

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
 Data File : BF087411.D
 Acq On : 26 May 2016 16:37
 Operator : UM/SJ
 Sample : H3191-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Manual Integrations
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 5/27/2016 7:37:38 PM

Quant Time: May 27 11:05:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	105219	20.00	ng	-0.01
21) Naphthalene-d8	9.54	136	426479	20.00	ng	-0.01
38) Acenaphthene-d10	12.36	164	198993	20.00	ng	-0.02
63) Phenanthrene-d10	14.77	188	378507	20.00	ng	-0.01
75) Chrysene-d12	18.47	240	295475	20.00	ng	-0.01
86) Perylene-d12	20.13	264	208394	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	888842	148.44	ng	0.03
7) Phenol-d6	7.07	99	1097095	135.59	ng	0.00
23) Nitrobenzene-d5	8.43	82	853951	100.91	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	278615	145.70	ng	-0.01
44) 2-Fluorobiphenyl	11.32	172	1378604	97.67	ng	-0.01
78) Terphenyl-d14	17.12	244	1228594	88.40	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.02	88	120831m	38.24	ng	
3) Pyridine	2.62	79	236838m	34.29	ng	
4) n-Nitrosodimethylamine	2.52	42	257864	48.45	ng	# 43
6) Aniline	7.03	93	188631	18.02	ng	91
8) 2-Chlorophenol	7.20	128	359448	48.13	ng	93
9) Benzaldehyde	6.87	77	17810	3.99	ng	98
10) Phenol	7.10	94	413718	46.83	ng	81
11) bis(2-Chloroethyl)ether	7.15	93	380995	53.28	ng	86
12) 1,3-Dichlorobenzene	7.40	146	334152	41.03	ng	# 92
13) 1,4-Dichlorobenzene	7.53	146	344493m	41.20	ng	
14) 1,2-Dichlorobenzene	7.77	146	335373	43.36	ng	99
15) Benzyl Alcohol	7.80	79	343029	58.15	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	8.01	45	690038	42.88	ng	87
17) 2-Methylphenol	8.03	107	293835	49.10	ng	# 90
18) Hexachloroethane	8.28	117	132169	42.37	ng	93
19) n-Nitroso-di-n-propylamine	8.23	70	300600	49.82	ng	# 68
20) 3+4-Methylphenols	8.30	107	382397	52.86	ng	# 60
22) Acetophenone	8.19	105	533250	52.34	ng	# 96
24) Nitrobenzene	8.46	77	434910	48.69	ng	99
25) Isophorone	8.86	82	738787	48.68	ng	98
26) 2-Nitrophenol	8.96	139	186647	51.12	ng	# 71
27) 2,4-Dimethylphenol	9.11	122	319165	50.35	ng	# 86
28) bis(2-Chloroethoxy)methane	9.23	93	441730	51.67	ng	98
29) 2,4-Dichlorophenol	9.38	162	292907	51.28	ng	97
30) 1,2,4-Trichlorobenzene	9.46	180	305533	46.72	ng	97
31) Naphthalene	9.58	128	1052411	49.25	ng	99
32) Benzoic acid	9.45	122	149407	46.04	ng	# 80
33) 4-Chloroaniline	9.74	127	83604	10.62	ng	# 92
34) Hexachlorobutadiene	9.78	225	172025	43.28	ng	99
35) Caprolactam	10.38	113	80646m	48.37	ng	
36) 4-Chloro-3-methylphenol	10.59	107	334959	51.87	ng	89
37) 2-Methylnaphthalene	10.70	142	670186	50.20	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	10.97	216	291242	45.72	ng	98
40) Hexachlorocyclopentadiene	10.95	237	205993	78.75	ng	96

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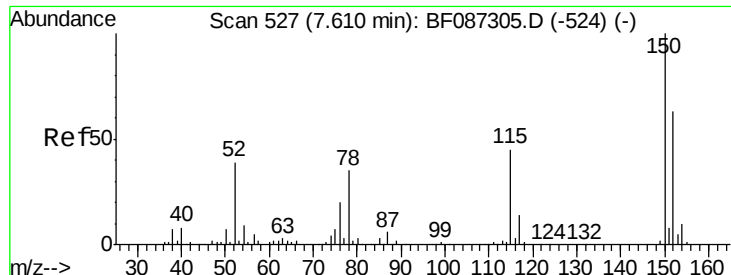
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.20	196	183893	50.02	nq	93
43) 2,4,5-Trichlorophenol	11.29	196	181881	48.58	nq	# 89
45) 1,1'-Biphenyl	11.47	154	838898	50.07	nq	98
46) 2-Chloronaphthalene	11.48	162	615081	47.99	nq	95
47) 2-Nitroaniline	11.70	65	250914	54.33	nq	# 75
48) Acenaphthylene	12.14	152	993941	48.98	nq	99
49) Dimethylphthalate	12.02	163	779369	48.89	nq	100
50) 2,6-Dinitrotoluene	12.12	165	169522	52.78	nq	86
51) Acenaphthene	12.42	154	615136	49.32	nq	99
52) 3-Nitroaniline	12.39	138	61791	18.74	nq	90
53) 2,4-Dinitrophenol	12.58	184	172533	102.91	nq	# 77
54) Dibenzofuran	12.71	168	901088	53.36	nq	94
55) 4-Nitrophenol	12.78	139	142235	90.45	nq	# 43
56) 2,4-Dinitrotoluene	12.78	165	220995	51.48	nq	# 81
57) Fluorene	13.27	166	745480	50.91	nq	99
58) 2,3,4,6-Tetrachlorophenol	12.95	232	164128	56.98	nq	98
59) Diethylphthalate	13.18	149	776686	50.11	nq	99
60) 4-Chlorophenyl-phenylether	13.29	204	335624	47.00	nq	95
61) 4-Nitroaniline	13.39	138	138563	45.04	nq	# 64
62) Azobenzene	13.54	77	901790	56.09	nq	84
64) 4,6-Dinitro-2-methylphenol	13.45	198	116952	48.59	nq	84
65) n-Nitrosodiphenylamine	13.51	169	589992	48.20	nq	99
66) 4-Bromophenyl-phenylether	14.08	248	200692	48.47	nq	# 88
67) Hexachlorobenzene	14.15	284	209293	48.33	nq	# 82
68) Atrazine	14.42	200	113884	29.19	nq	94
69) Pentachlorophenol	14.50	266	128186	94.06	nq	97
70) Phenanthrene	14.81	178	1084979	51.75	nq	100
71) Anthracene	14.89	178	1070142	50.53	nq	99
72) Carbazole	15.19	167	957194	52.99	nq	99
73) Di-n-butylphthalate	15.76	149	1100359	47.10	nq	# 98
74) Fluoranthene	16.57	202	1120932	53.32	nq	92
76) Benzydine	16.82	184	18264	2.40	nq	95
77) Pyrene	16.87	202	1064381	50.04	nq	99
79) Butylbenzylphthalate	17.78	149	460113	48.78	nq	# 68
80) Benzo(a)anthracene	18.46	228	896117	53.32	nq	99
81) 3,3'-Dichlorobenzidine	18.45	252	63107	6.80	nq	99
82) Chrysene	18.50	228	843100	50.54	nq	99
83) Bis(2-ethylhexyl)phthalate	18.53	149	604966	43.96	nq	# 95
84) Di-n-octyl phthalate	19.30	149	915237	43.61	nq	# 85
85) Indeno(1,2,3-cd)pyrene	21.35	276	647519	48.43	nq	94
87) Benzo(b)fluoranthene	19.73	252	697747	52.56	nq	# 95
88) Benzo(k)fluoranthene	19.75	252	665214m	58.22	nq	
89) Benzo(a)pyrene	20.08	252	631572	55.01	nq	# 97
90) Dibenzo(a,h)anthracene	21.36	278	548263	55.99	nq	# 94
91) Benzo(g,h,i)perylene	21.70	276	544723	56.38	nq	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

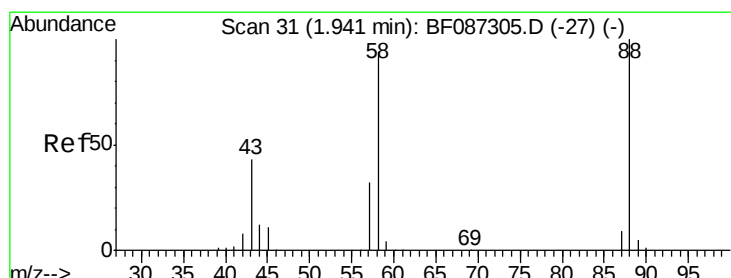
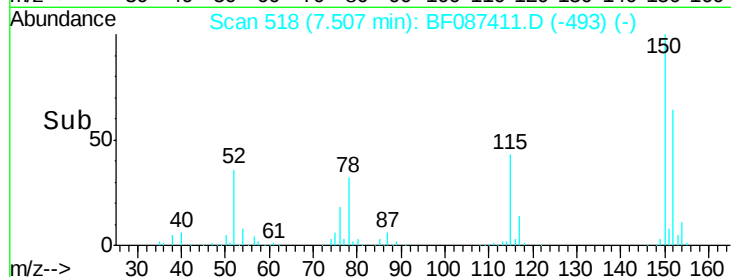
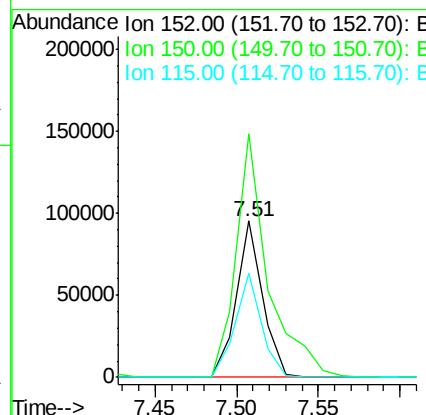
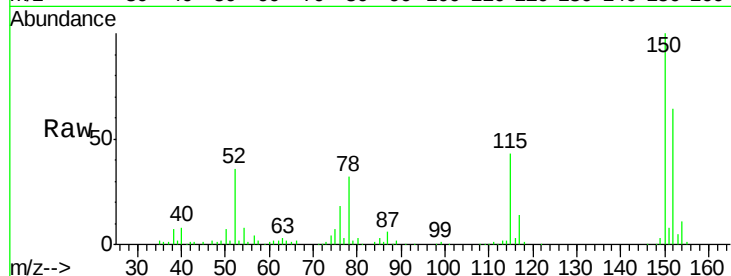
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.8	188.6
115	66.8	51.5	77.3

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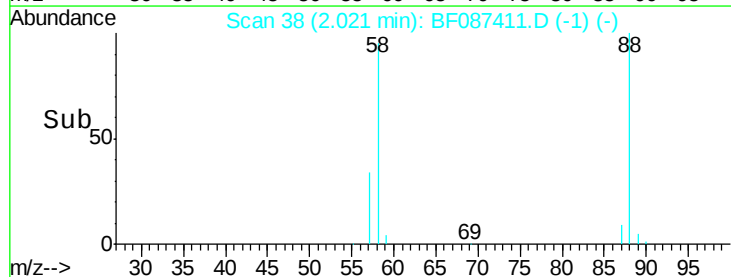
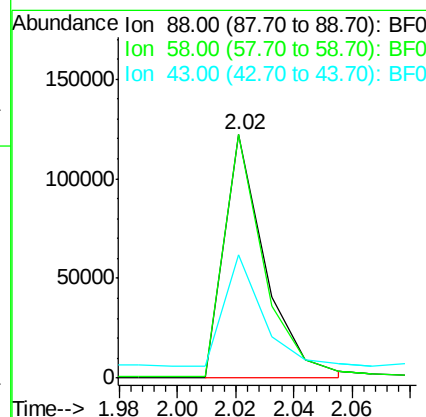
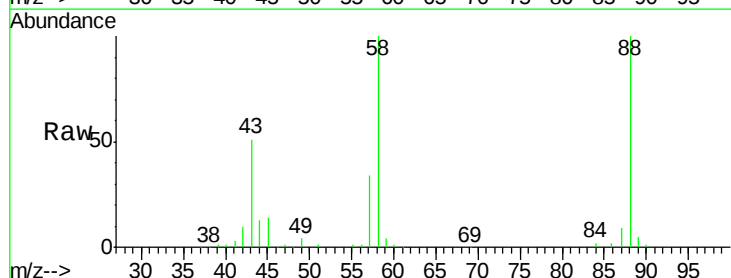
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#2

1,4-Dioxane
Concen: 38.24 ng m
RT: 2.02 min Scan# 38
Delta R.T. 0.21 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	59.6	89.4#
43	0.0	21.8	32.6#





#3

Pvridine

Concen: 34.29 ng/ml

RT: 2.62 min Scan# 90

Delta R.T. 0.21 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

ClientSampleId :

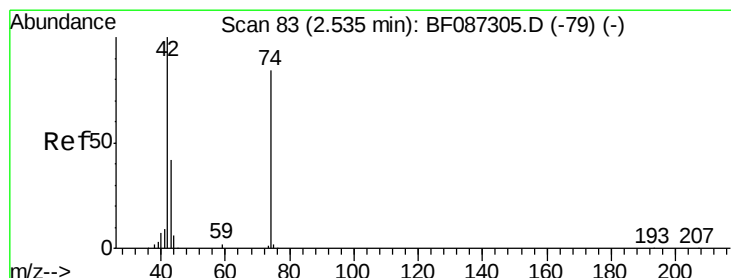
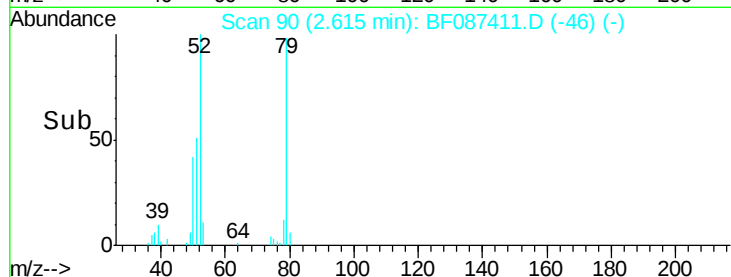
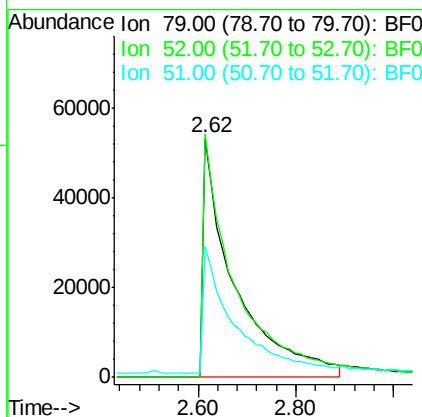
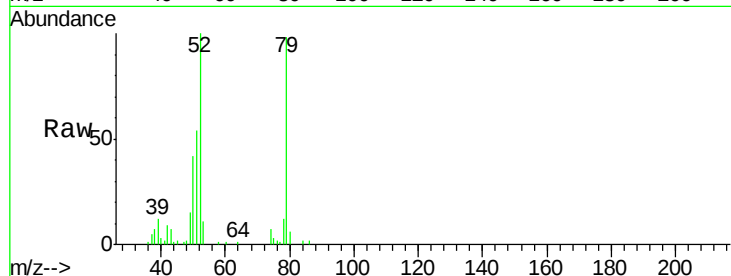
CHS-STA-1711(0-4)MSD

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	101.9	55.9	83.9#		
51	55.0	28.1	42.1#		



#4

n-Nitrosodimethylamine

Concen: 48.45 ng/ml

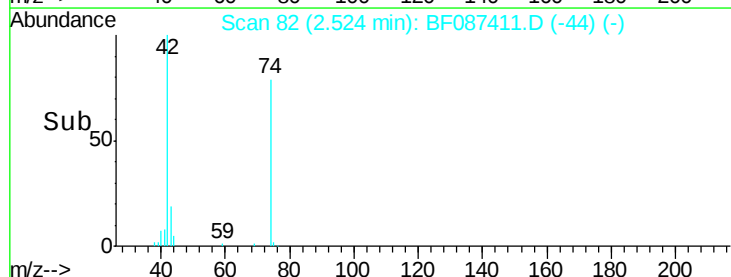
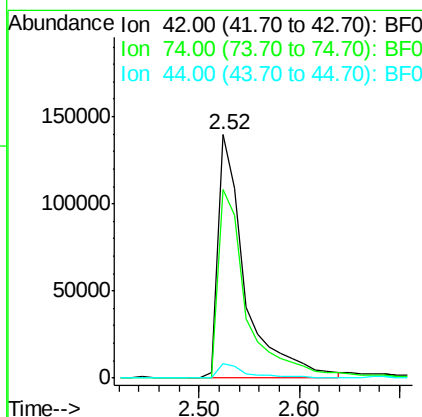
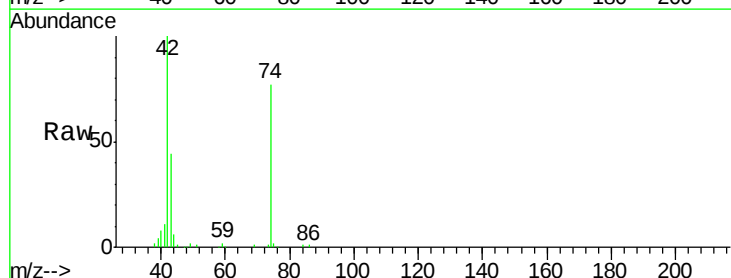
RT: 2.52 min Scan# 82

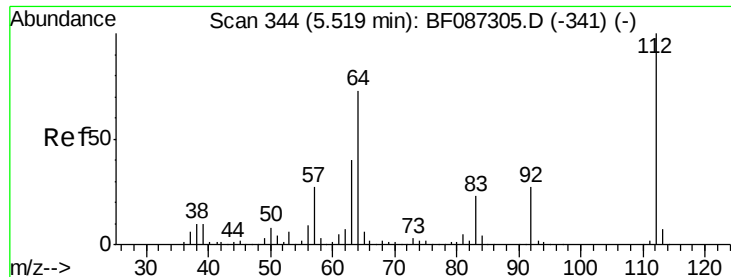
Delta R.T. 0.14 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	77.3	123.4	185.0#		
44	5.8	5.8	8.6		





#5

2-Fluorophenol

Concen: 148.44 ng

RT: 5.45 min Scan# 338

Delta R.T. 0.03 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

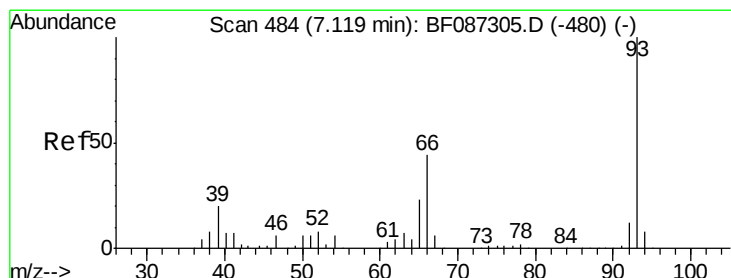
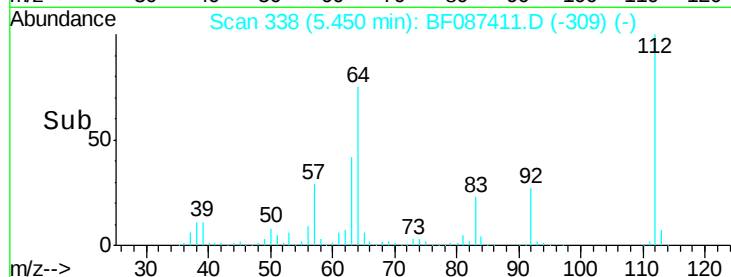
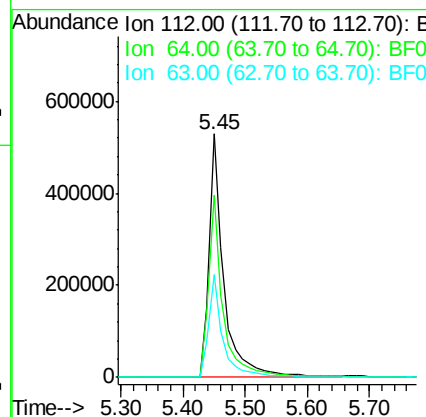
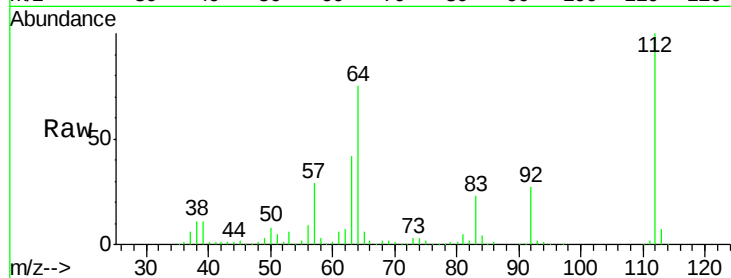
ClientSampleId :

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Tot Ion:	112	Resp:	888842
Ion Ratio	Lower	Upper	
112	100		
64	74.7	52.1	78.1
63	42.4	25.7	38.5#

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#6

Aniline

Concen: 18.02 ng

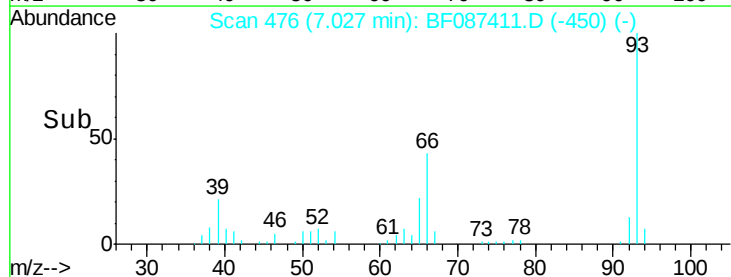
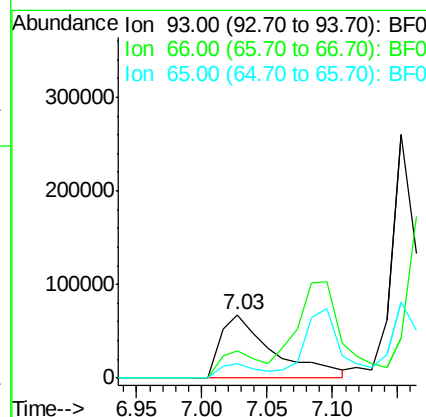
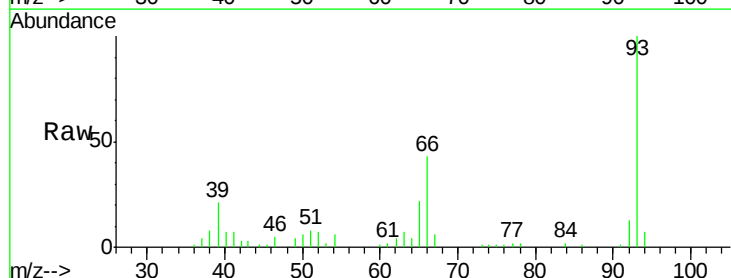
RT: 7.03 min Scan# 476

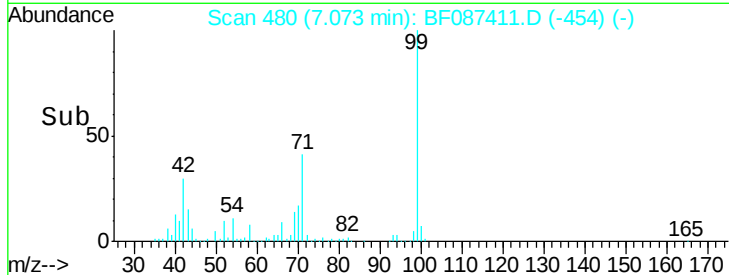
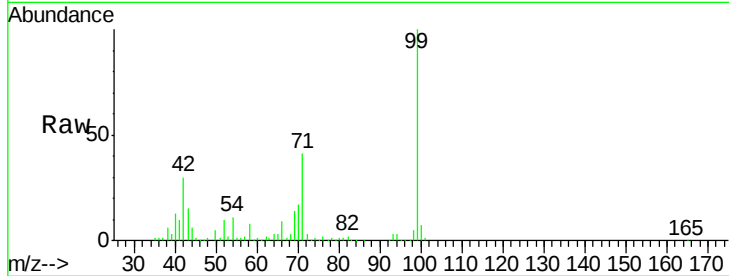
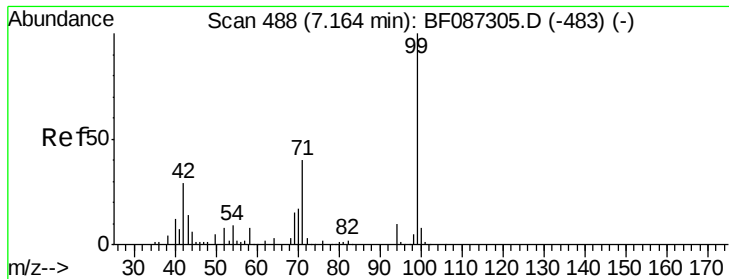
Delta R.T. -0.00 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion:	93	Resp:	188631
Ion Ratio	Lower	Upper	
93	100		
66	42.6	39.0	58.6
65	22.1	20.6	31.0





#7

Phenol-d6

Concen: 135.59 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tot Ion: 99 Resp: 1097095

Ion Ratio Lower Upper

99 100

42 30.4 13.6 20.4#

71 40.8 24.6 36.8#

Instrument :

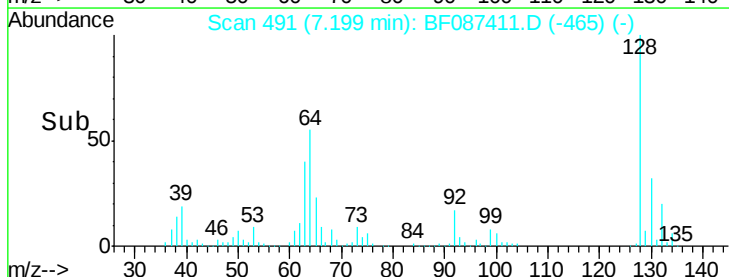
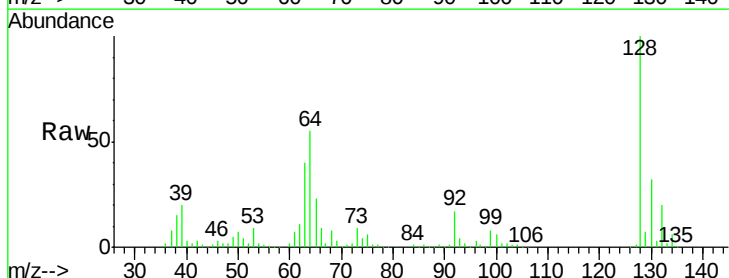
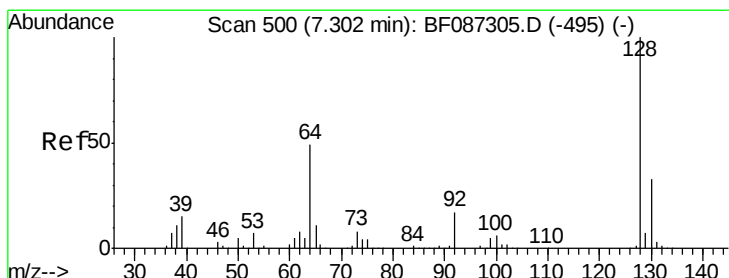
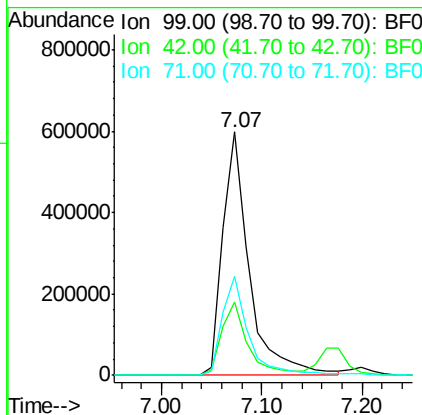
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#8

2-Chlorophenol

Concen: 48.13 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

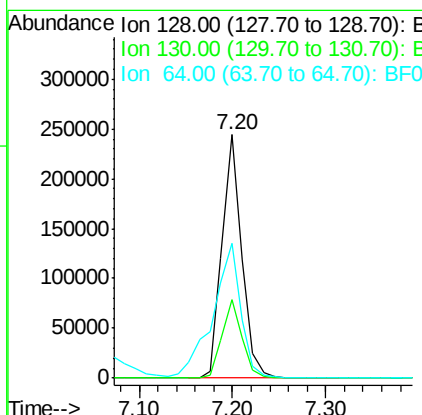
Tgt Ion: 128 Resp: 359448

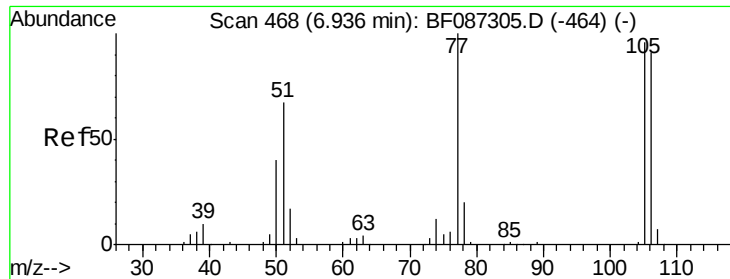
Ion Ratio Lower Upper

128 100

130 32.4 12.5 52.5

64 55.3 27.3 67.3





#9

Benzaldehyde

Concen: 3.99 ng

RT: 6.87 min Scan# 462

Delta R.T. 0.03 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

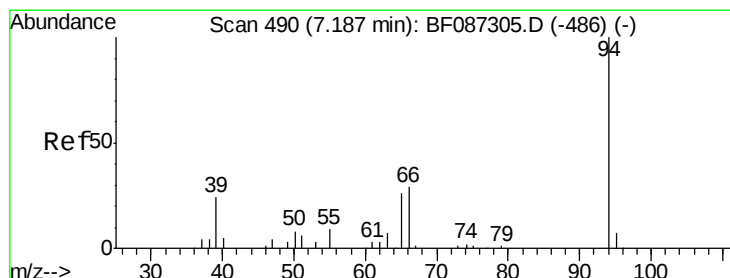
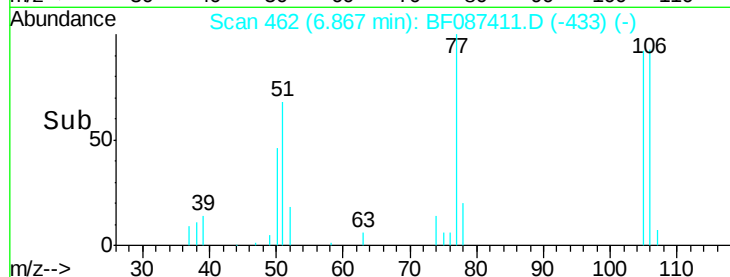
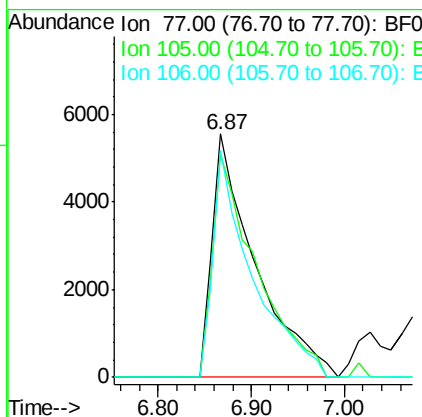
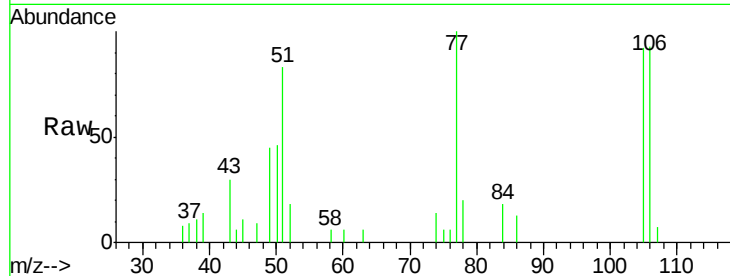
ClientSampleId :

CHS-STA-1711(0-4)MSD

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Tot Ion:	77	Resp:	17810
Ion	Ratio	Lower	Upper
77	100		
105	91.5	72.7	112.7
106	93.4	70.8	110.8



#10

Phenol

Concen: 46.83 ng

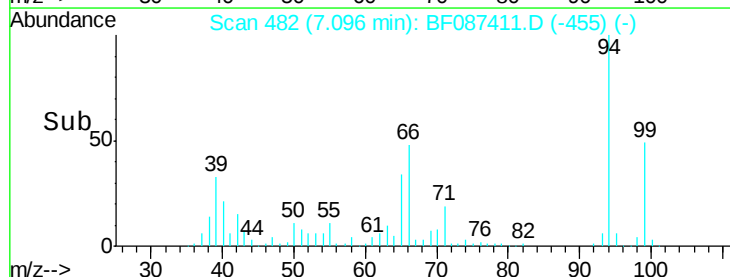
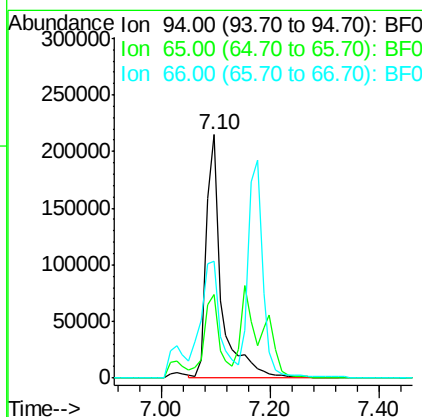
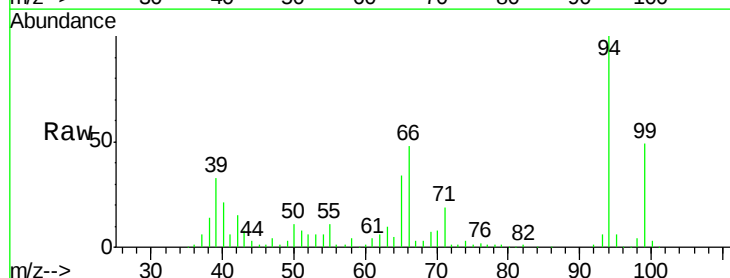
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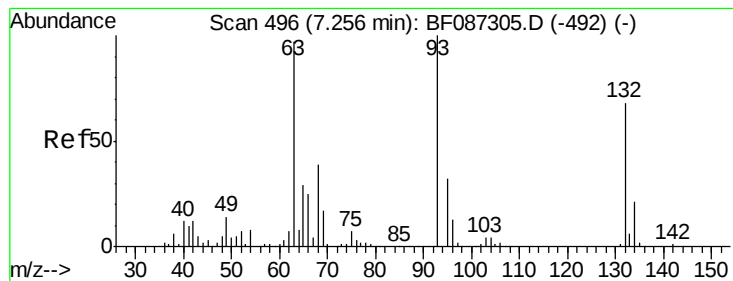
Delta R.T. 0.01 min

Lab File: BF087411.D

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Tgt Ion:	94	Resp:	413718
Ion	Ratio	Lower	Upper
94	100		
65	34.3	7.2	47.2
66	48.0	14.9	54.9





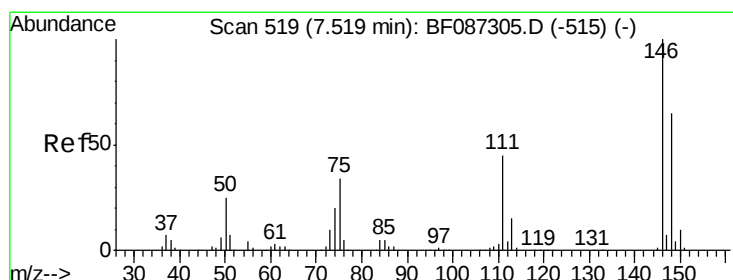
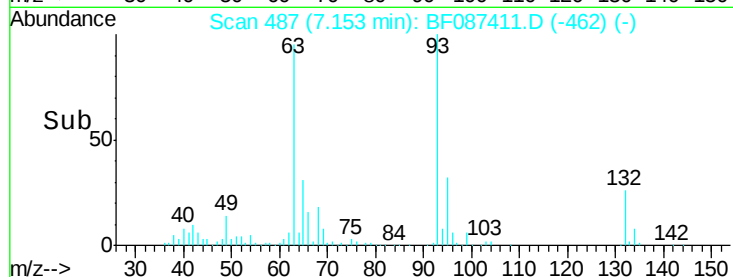
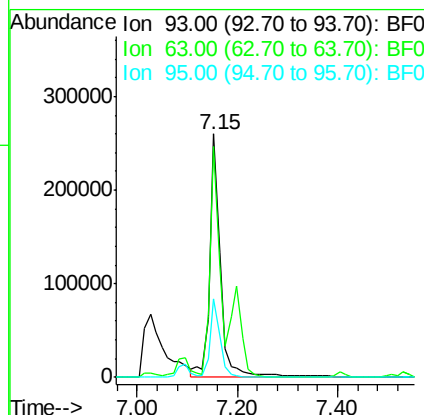
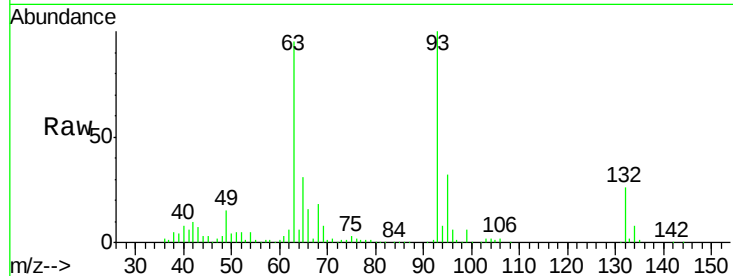
#11
bis(2-Chloroethyl)ether
Concen: 53.28 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	94.8	58.0	98.0	
95	32.3	11.9	51.9	

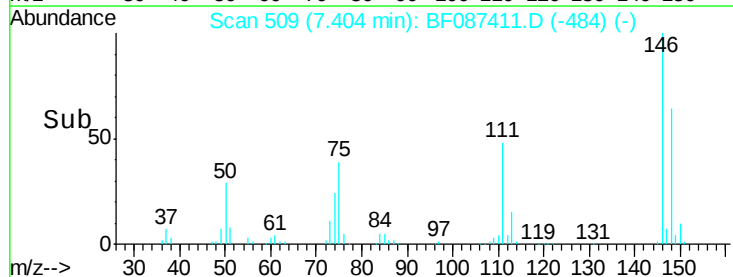
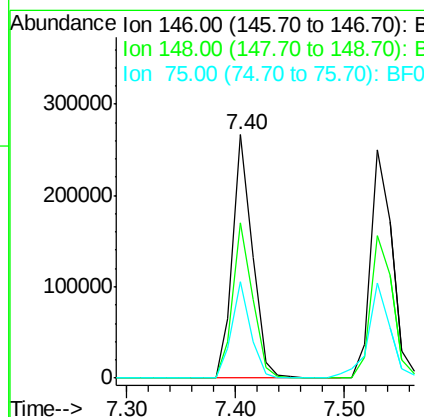
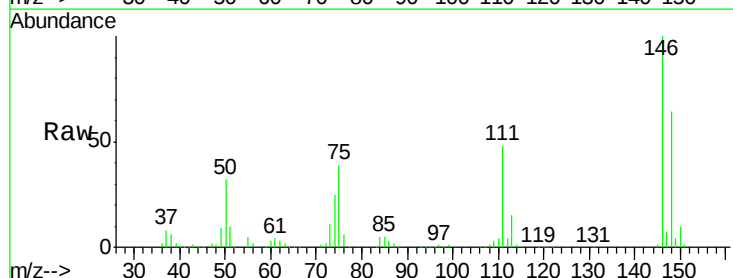
Manual Integrations
APPROVED

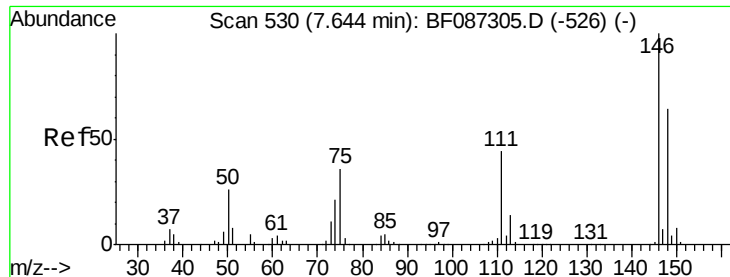
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#12
1,3-Dichlorobenzene
Concen: 41.03 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	63.6	52.4	78.6	
75	39.4	22.8	34.2	





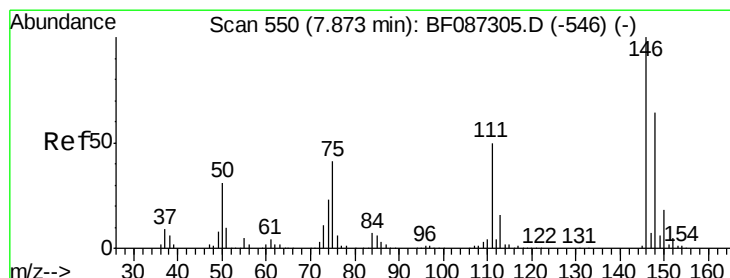
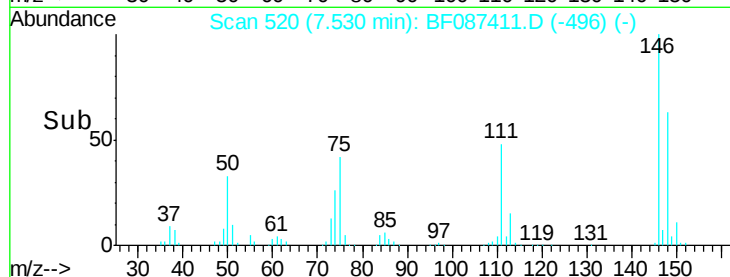
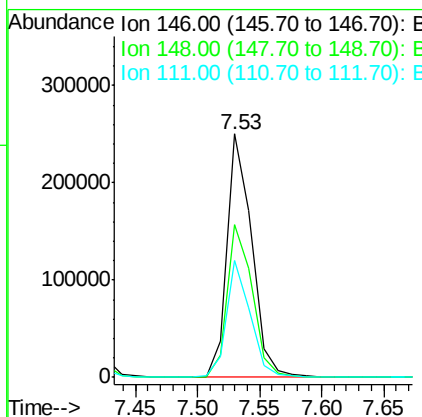
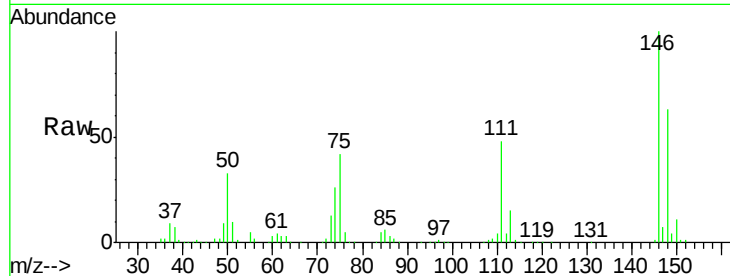
#13
 1,4-Dichlorobenzene
 Concen: 41.20 ng/ml
 RT: 7.53 min Scan# 520
 Delta R.T. -0.02 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		344493		
148	62.6	52.2	78.4		
111	48.1	30.7	46.1		

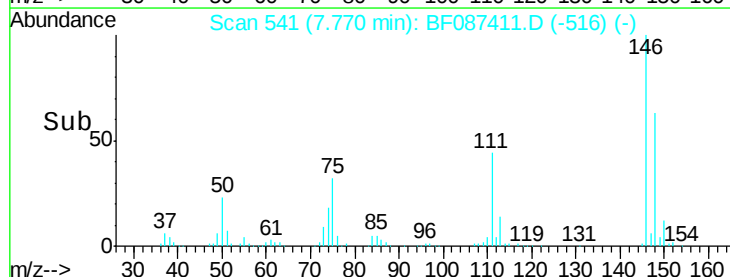
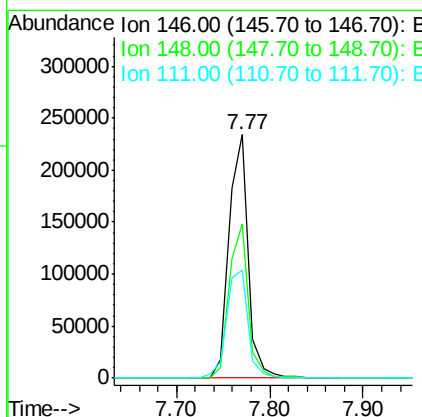
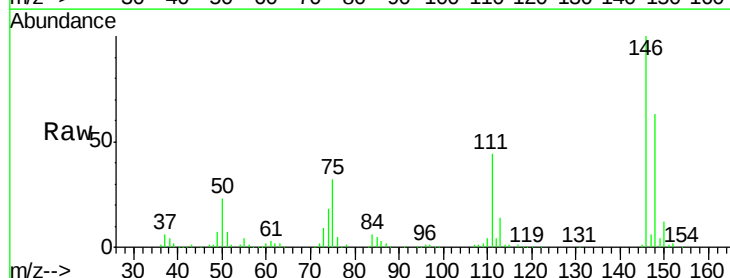
Manual Integrations
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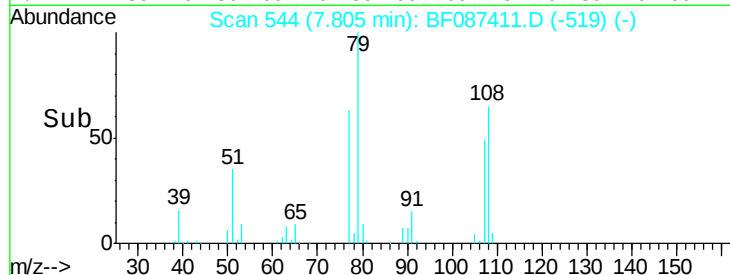
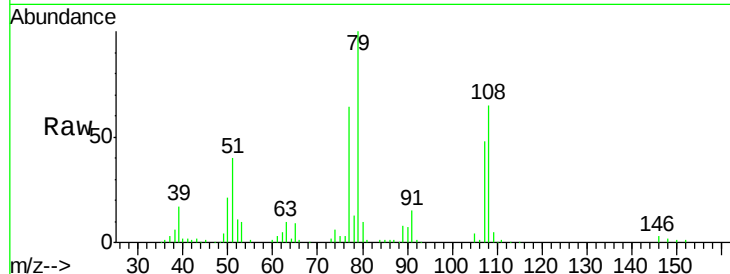
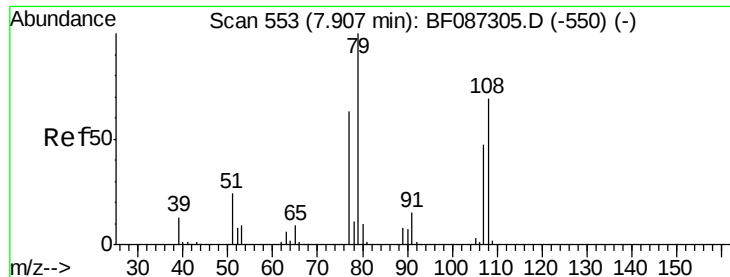
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#14
 1,2-Dichlorobenzene
 Concen: 43.36 ng/ml
 RT: 7.77 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		335373		
148	63.1	51.0	76.6		
111	44.3	36.2	54.4		





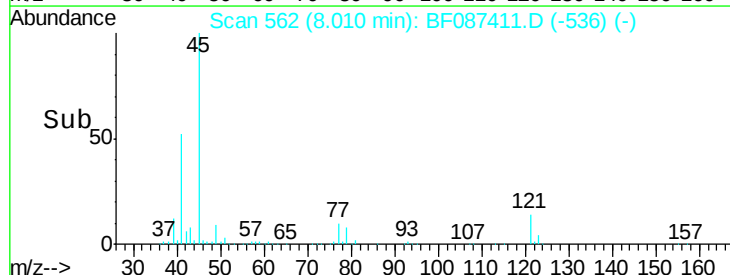
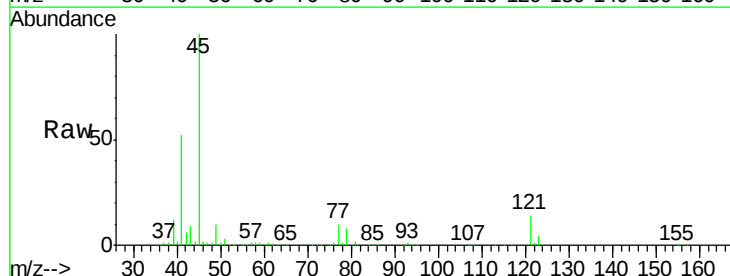
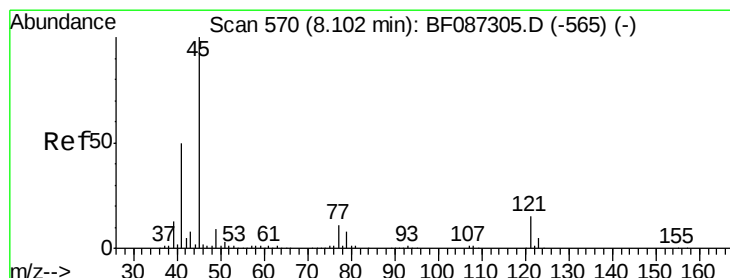
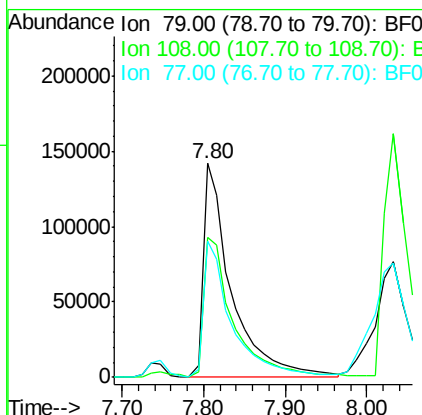
#15
Benzyl Alcohol
Concen: 58.15 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tot Ion	Ratio	Lower	Upper
79	100		
108	65.2	68.4	102.6#
77	64.0	50.6	76.0

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

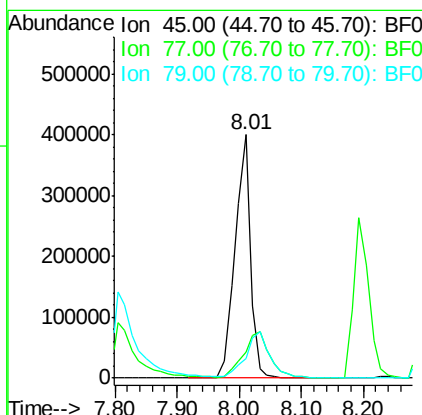
Manual Integrations
APPROVED

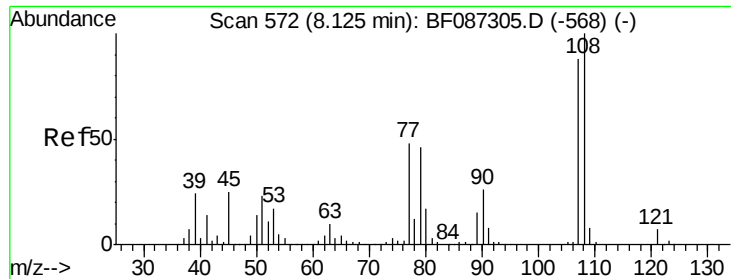
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.88 ng
RT: 8.01 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.4	0.0	36.4
79	8.3	0.0	33.4





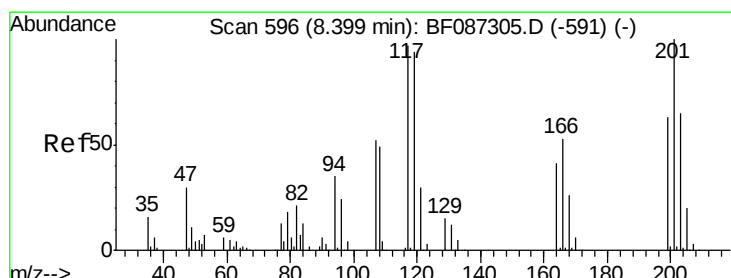
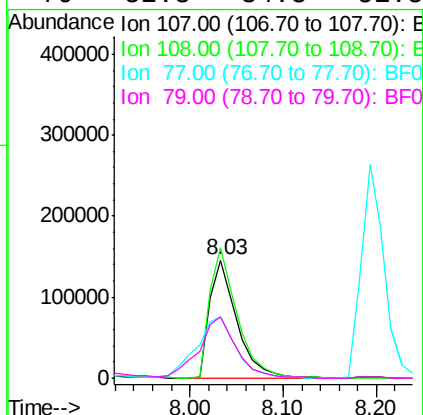
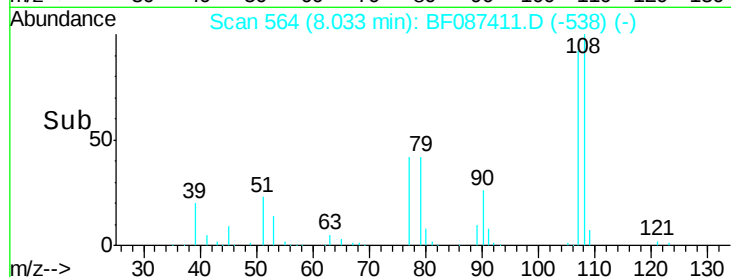
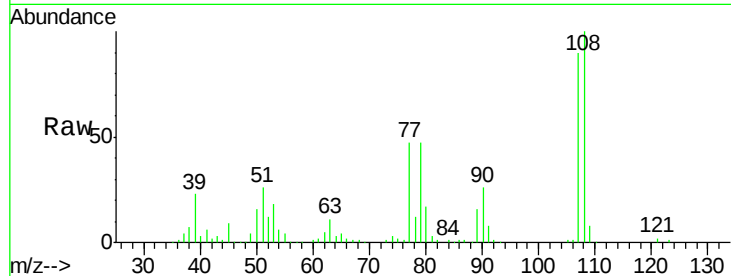
#17
2-Methylphenol
Concen: 49.10 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	110.8	93.7	140.5		
77	52.3	33.4	50.0#		
79	52.3	34.3	51.5#		

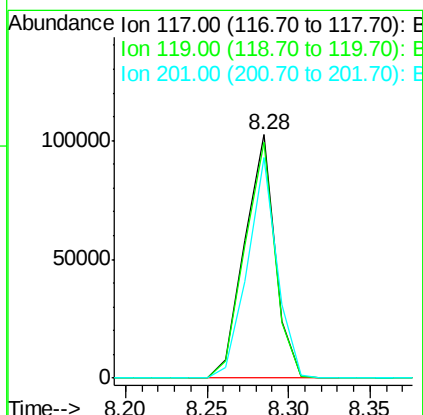
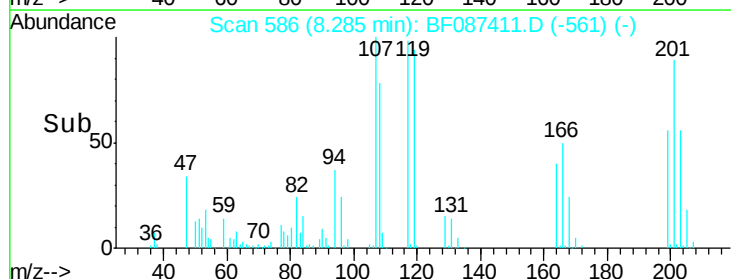
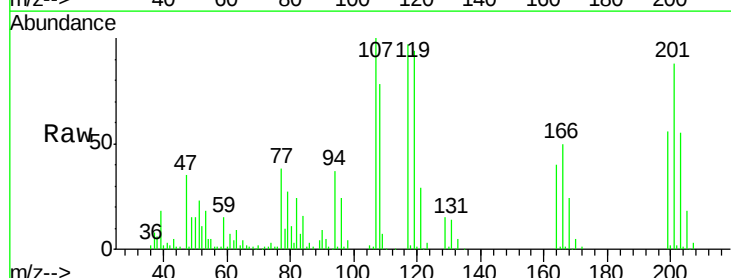
Manual Integrations
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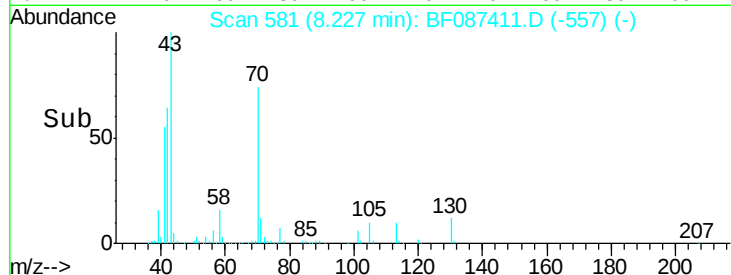
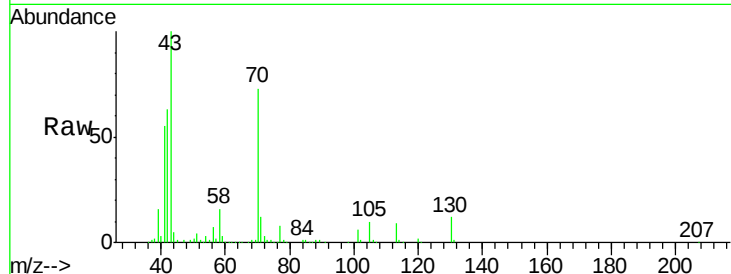
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#18
Hexachloroethane
Concen: 42.37 ng
RT: 8.28 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	96.8	76.5	114.7		
201	90.9	63.0	94.6		





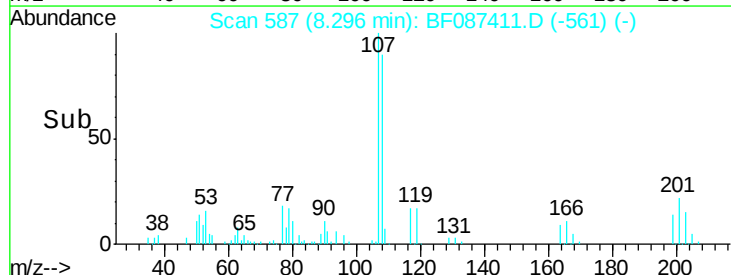
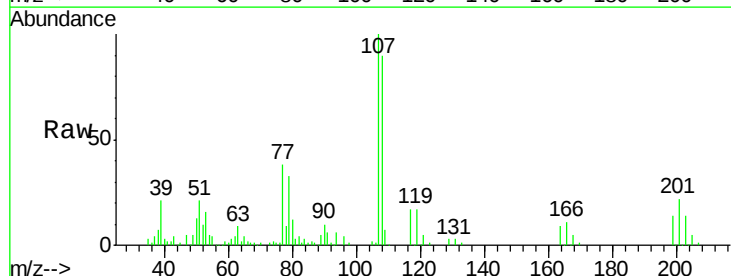
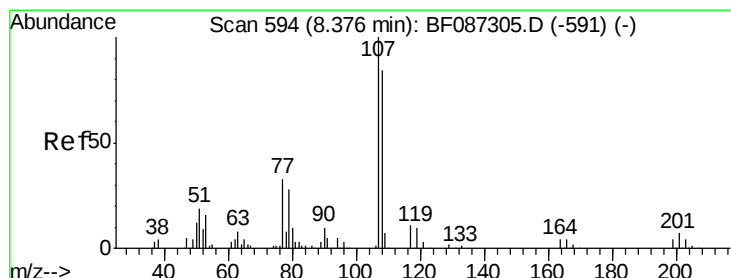
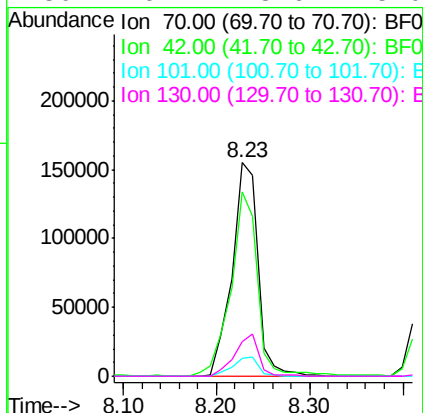
#19
n-Nitroso-di-n-propylamine
Concen: 49.82 ng
RT: 8.23 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Manual Integrations
APPROVED

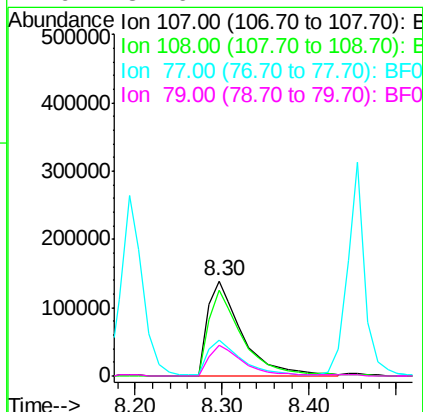
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	86.6	43.1	64.7#		
101	8.5	8.1	12.1		
130	16.4	18.6	28.0#		



#20
3+4-Methylphenols
Concen: 52.86 ng
RT: 8.30 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.3	68.5	108.5		
77	38.3	101.6	141.6#		
79	32.6	7.4	47.4		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

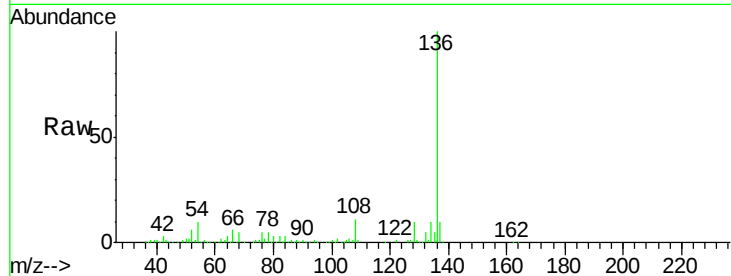
ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	426479		
137	10.3	8.8	13.2	
54	9.7	5.0	7.4	
68	4.7	4.4	6.6	

Manual Integrations
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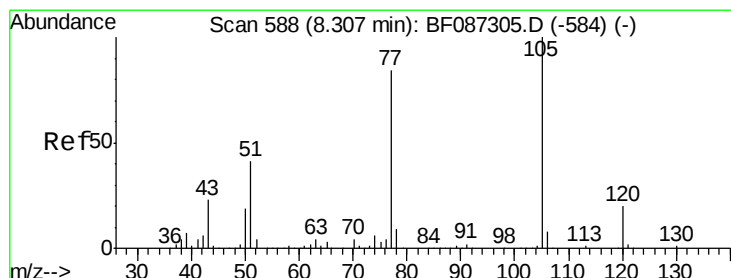
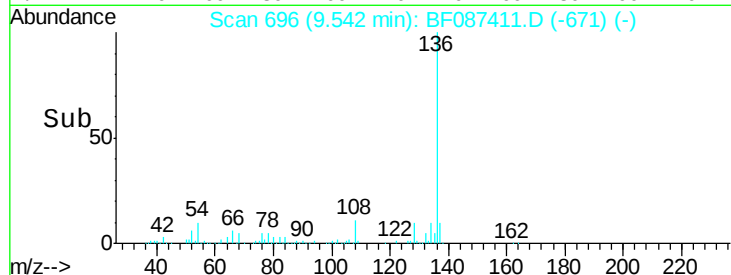
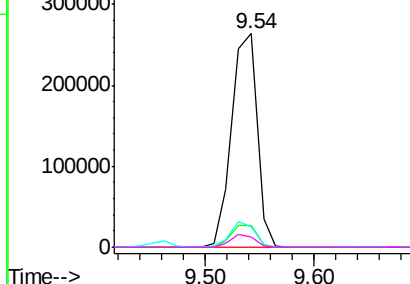
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 52.34 ng

RT: 8.19 min Scan# 578

Delta R.T. -0.02 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	533250		
71	0.1	4.8	7.2	
51	42.9	32.6	49.0	
120	19.8	16.5	24.7	

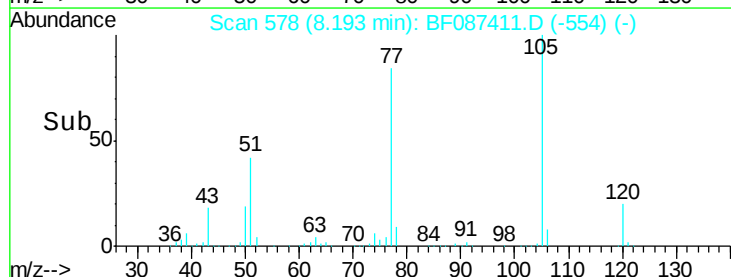
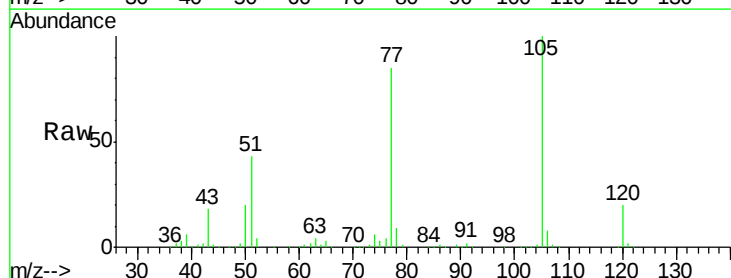
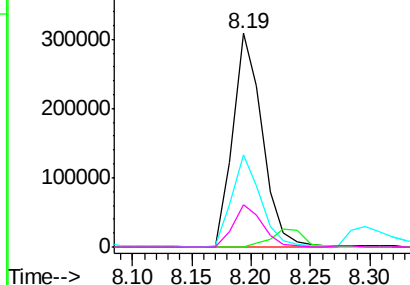
Abundance

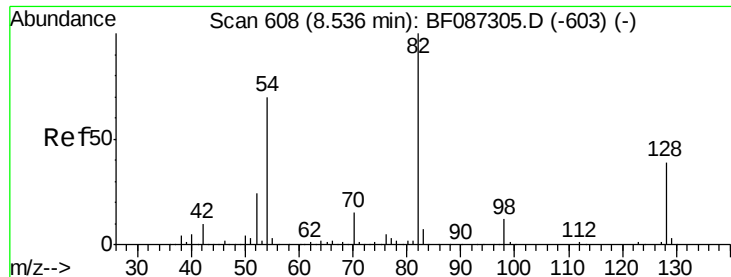
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





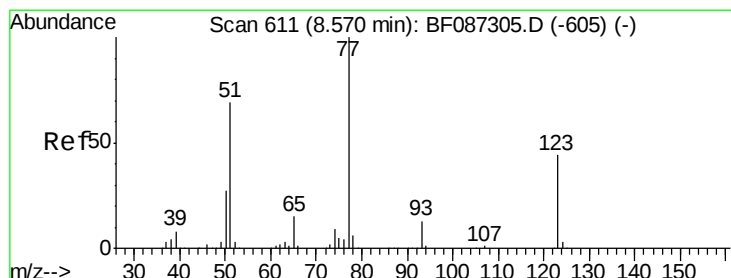
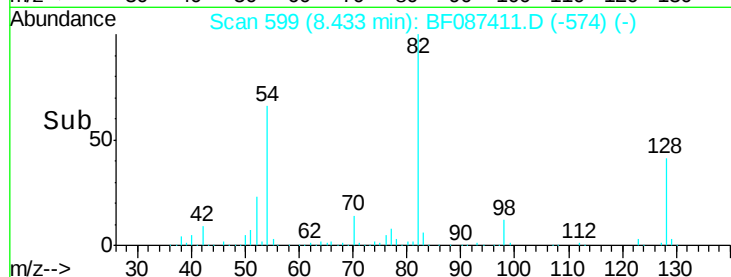
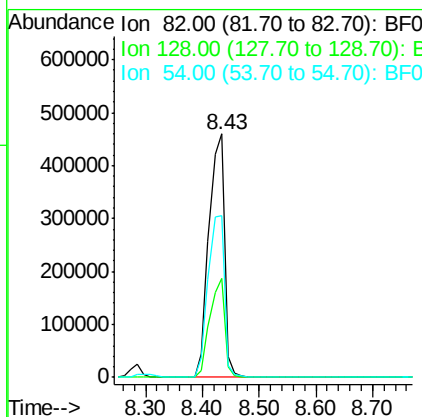
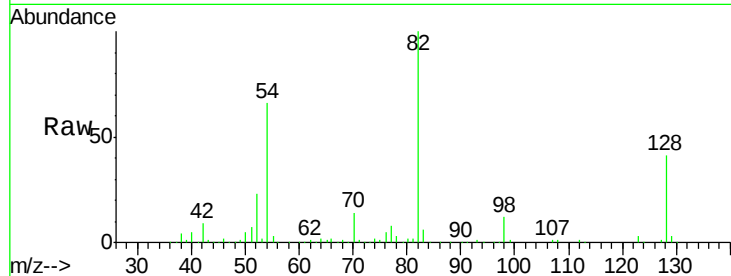
#23
 Nitrobenzene-d5
 Concen: 100.91 ng
 RT: 8.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	853951		
128	40.9		40.6	61.0
54	66.2		38.1	57.1#

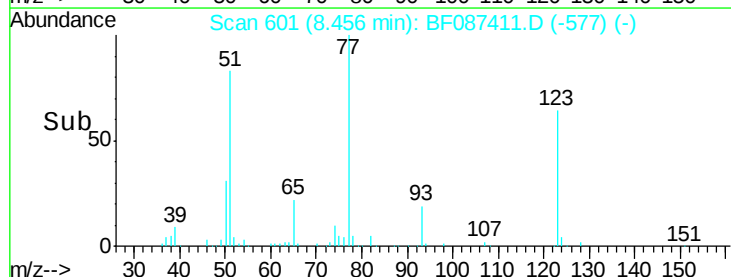
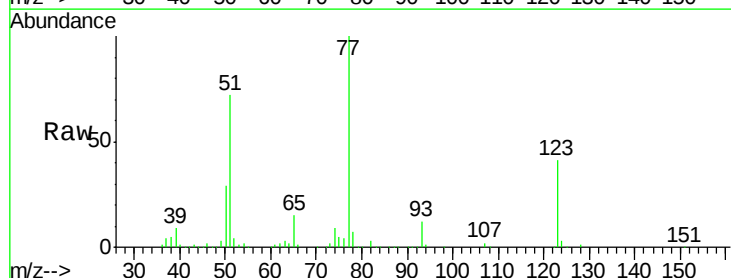
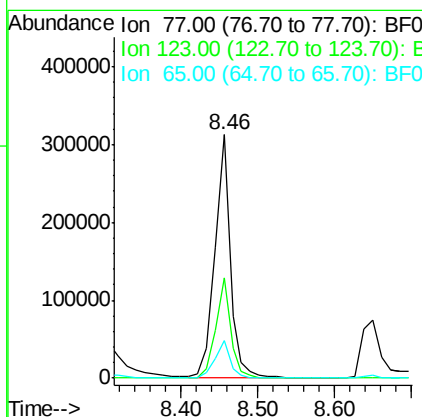
Manual Integrations
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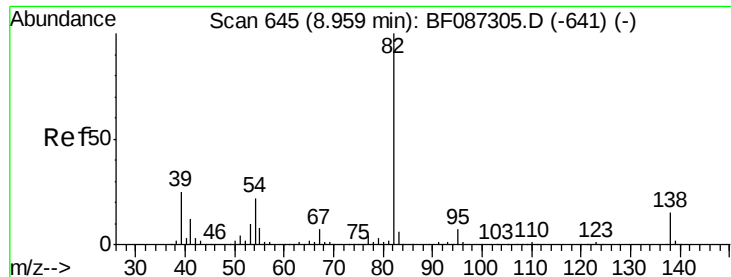
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#24
 Nitrobenzene
 Concen: 48.69 ng
 RT: 8.46 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	434910		
123	41.0		33.0	49.4
65	15.4		10.8	16.2





#25

Isophorone

Concen: 48.68 ng

RT: 8.86 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

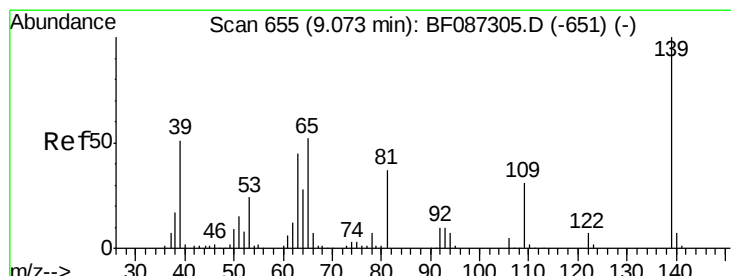
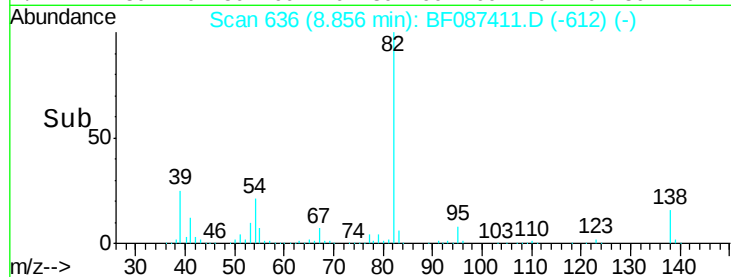
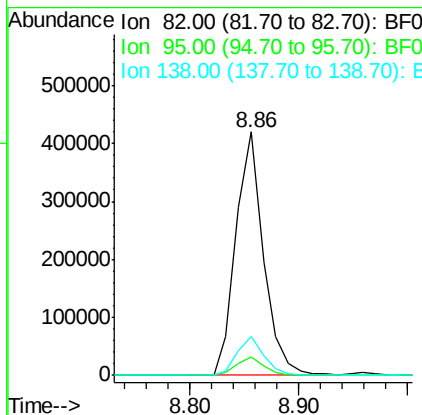
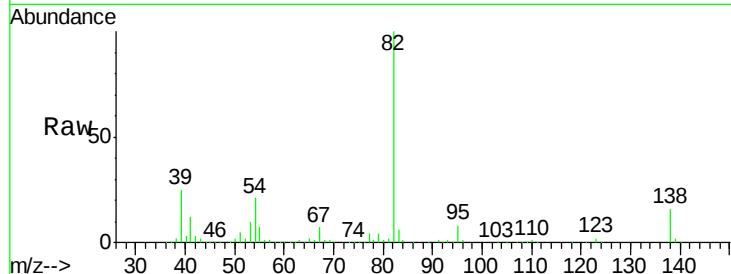
ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion:	82	Resp:	738787
Ion Ratio		Lower	Upper
82	100		
95	7.5	5.1	7.7
138	15.9	12.4	18.6

Manual Integrations
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#26

2-Nitrophenol

Concen: 51.12 ng

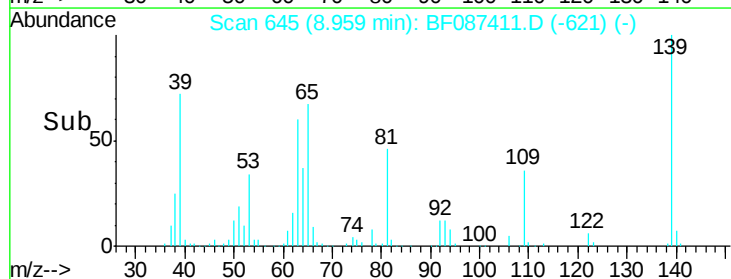
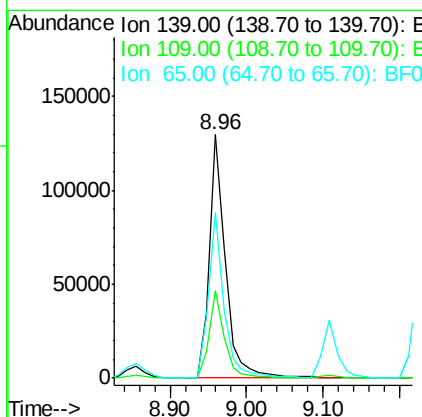
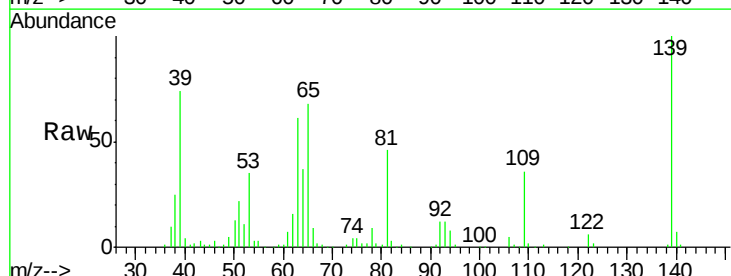
RT: 8.96 min Scan# 645

Delta R.T. -0.02 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion:	139	Resp:	186647
Ion Ratio		Lower	Upper
139	100		
109	35.9	19.5	29.3#
65	67.9	37.5	56.3#





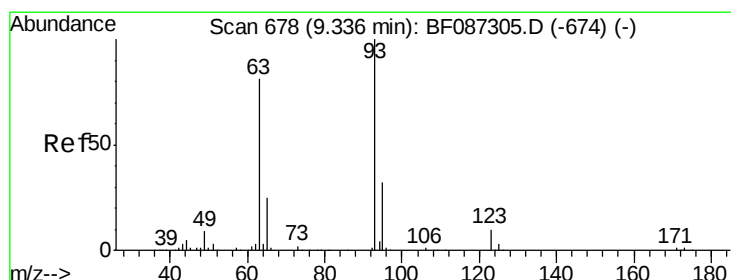
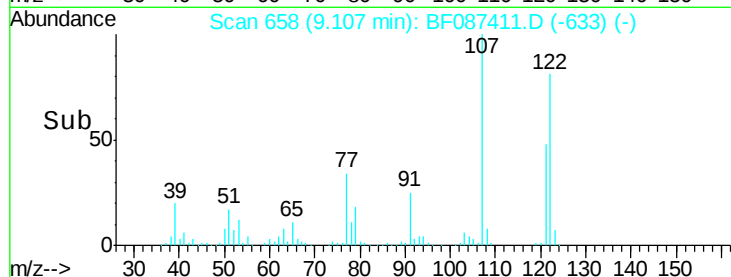
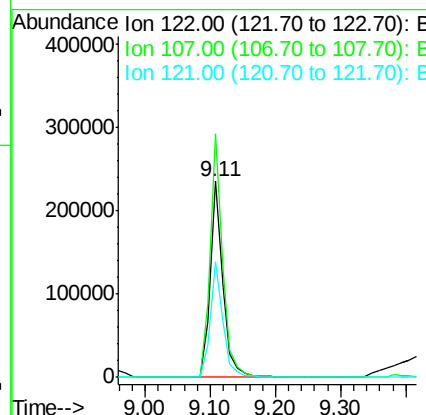
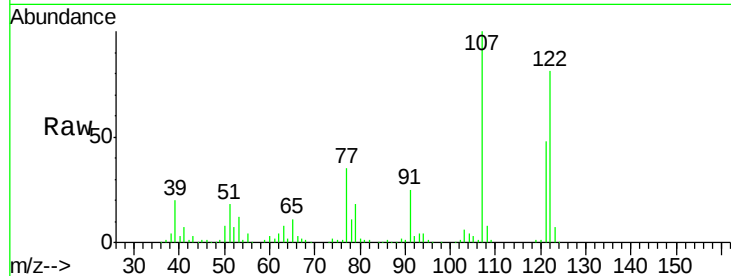
#27
 2,4-Dimethylphenol
 Concen: 50.35 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	319165		
107	124.2	82.0	123.0#	
121	59.1	46.1	69.1	

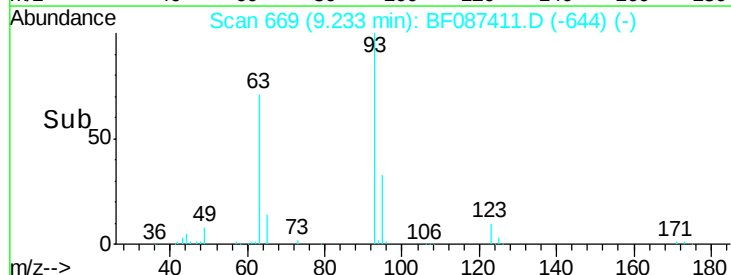
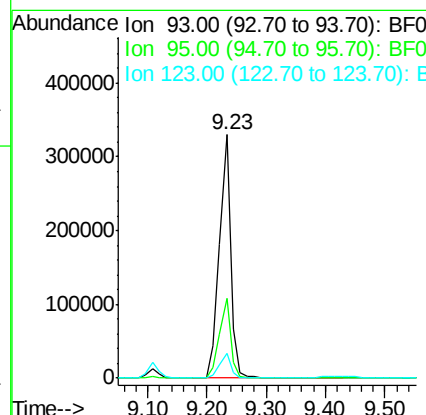
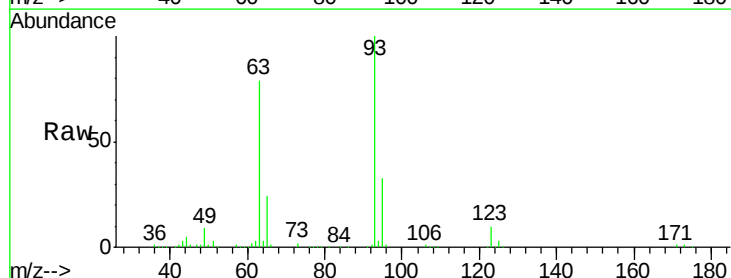
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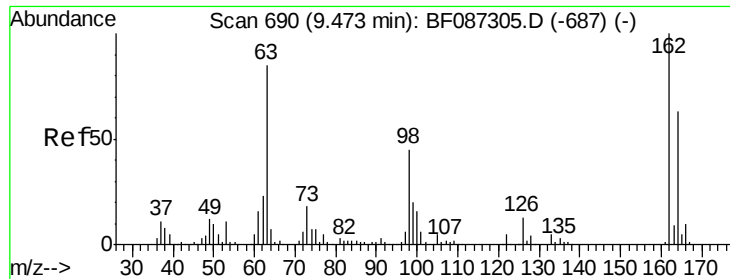
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#28
 bis(2-Chloroethoxy)methane
 Concen: 51.67 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	441730		
95	32.7	26.0	39.0	
123	10.1	9.5	14.3	





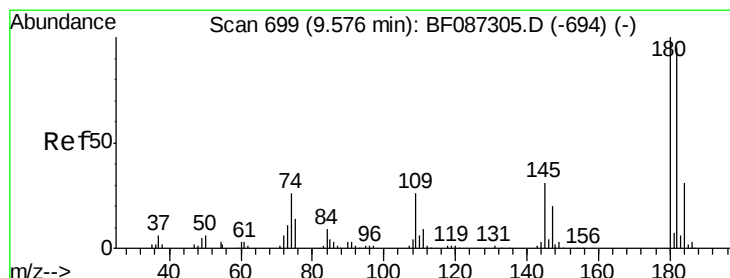
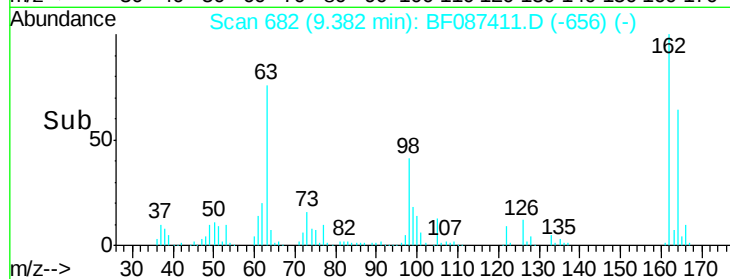
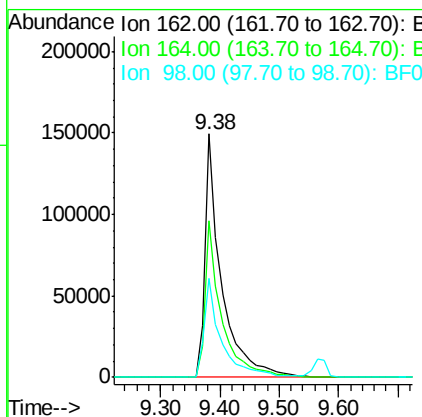
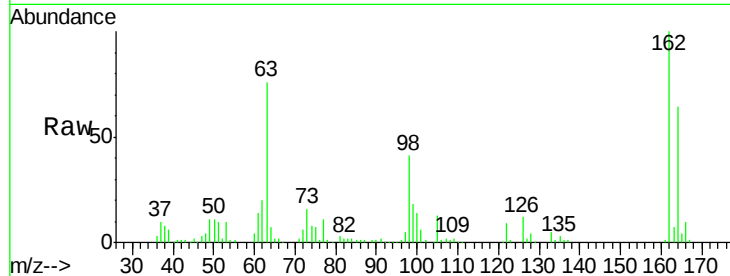
#29
 2,4-Dichlorophenol
 Concen: 51.28 ng
 RT: 9.38 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion:	162	Resp:	292907
Ion Ratio	Lower	Upper	
162	100		
164	64.2	42.2	82.2
98	40.5	19.0	59.0

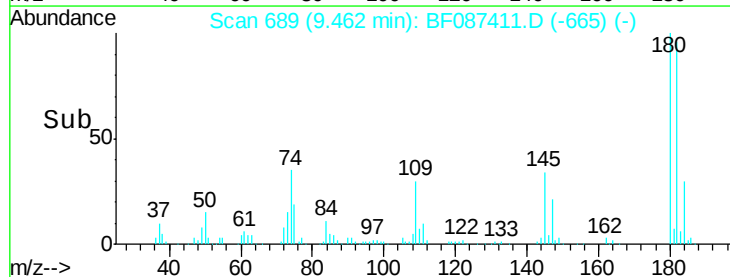
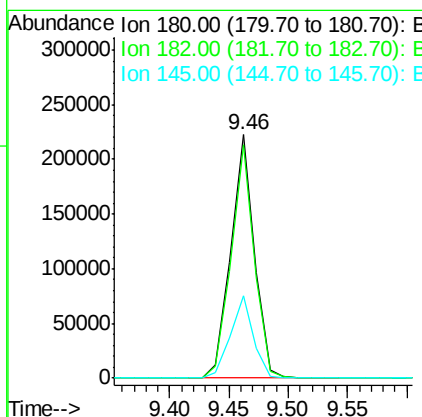
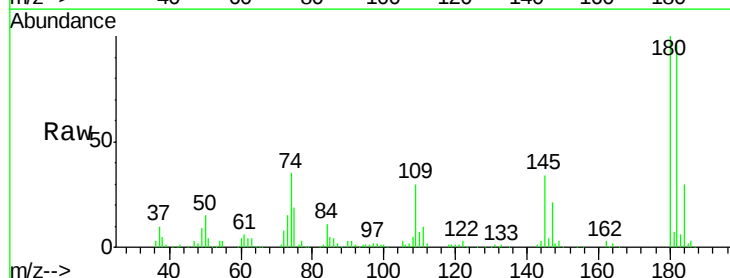
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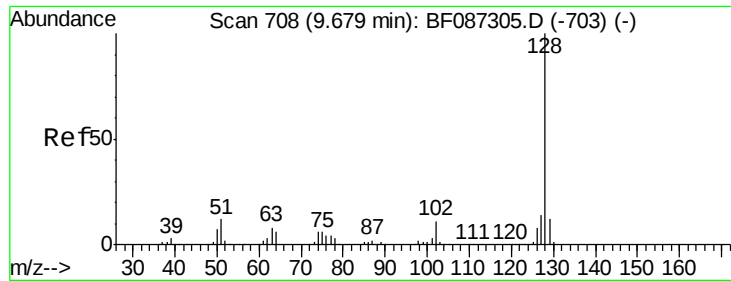
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#30
 1,2,4-Trichlorobenzene
 Concen: 46.72 ng
 RT: 9.46 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion:	180	Resp:	305533
Ion Ratio	Lower	Upper	
180	100		
182	95.9	78.0	117.0
145	33.9	24.2	36.2





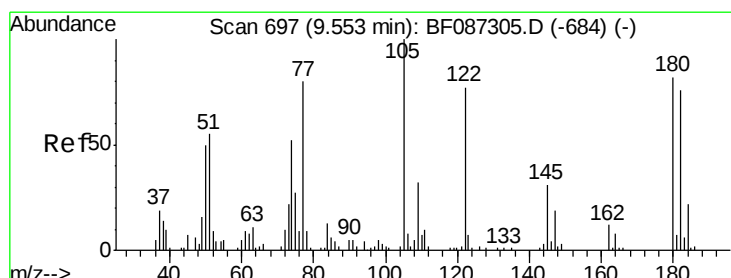
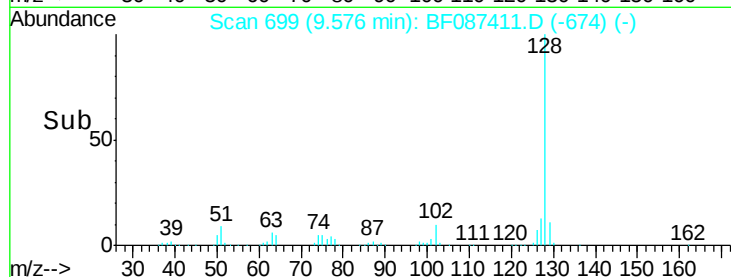
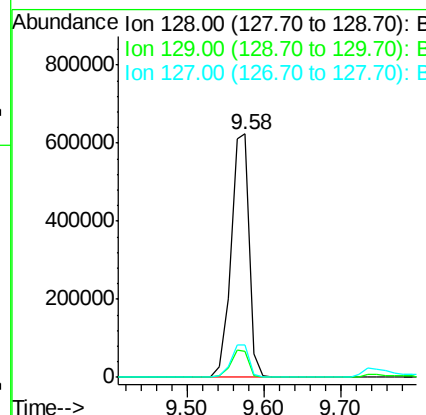
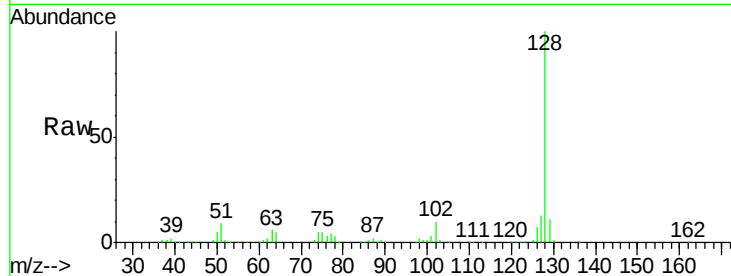
#31
Naphthalene
Concen: 49.25 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.1	10.8	16.2

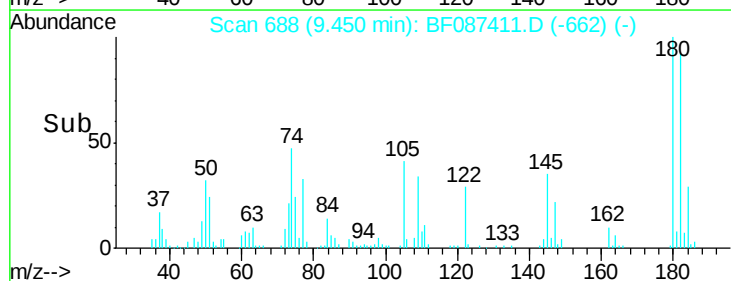
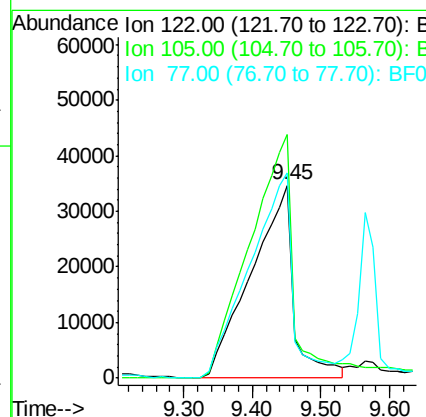
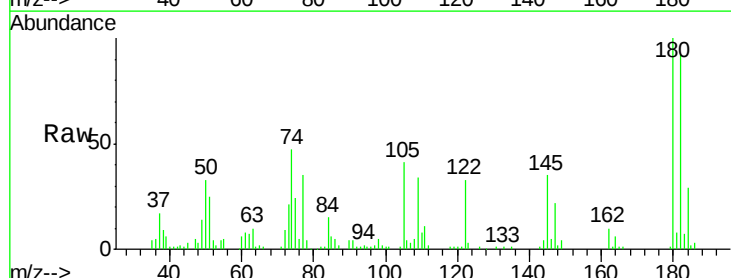
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#32
Benzoic acid
Concen: 46.04 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.1	92.6	132.6
77	106.4	60.0	100.0





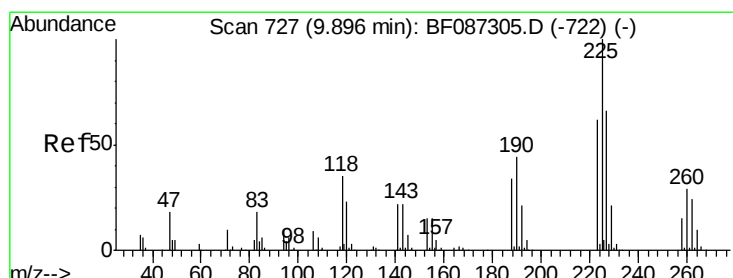
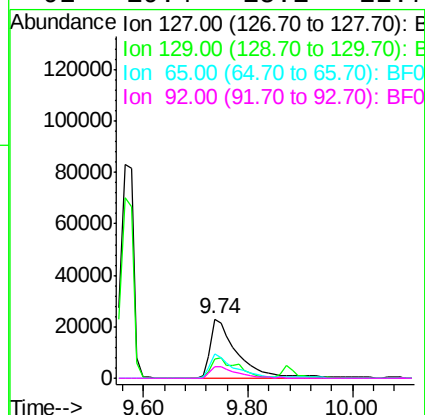
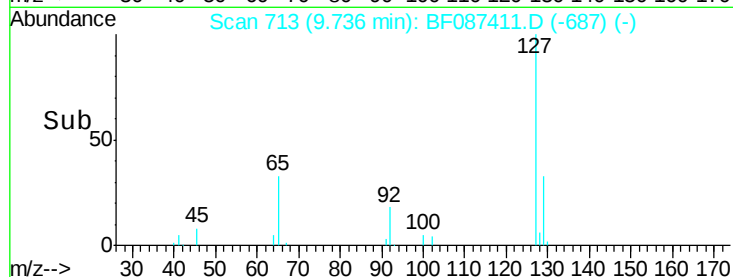
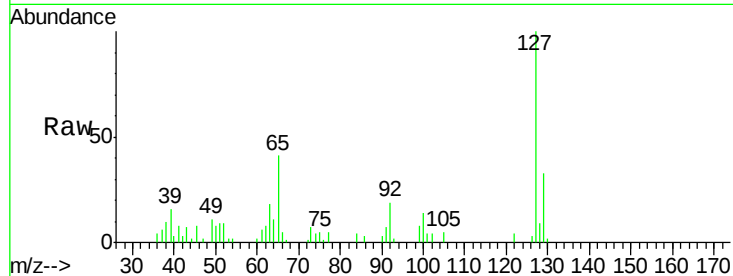
#33
4-Chloroaniline
Concen: 10.62 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.6	26.2	39.4		
65	40.5	23.0	34.4		
92	19.4	15.1	22.7		

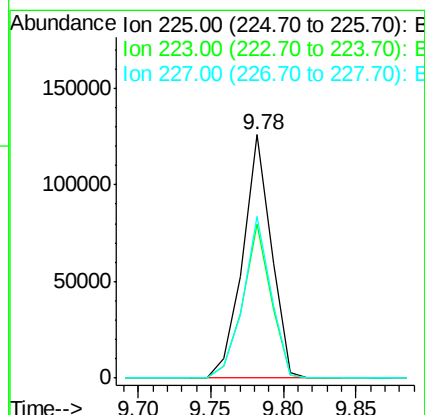
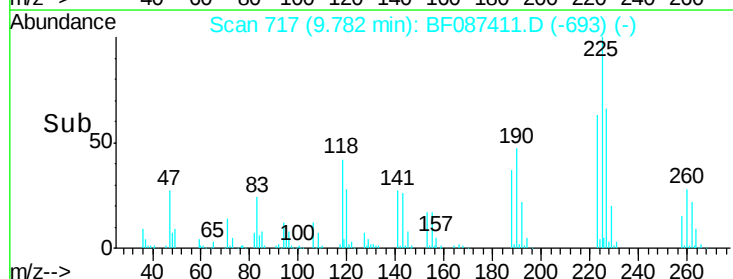
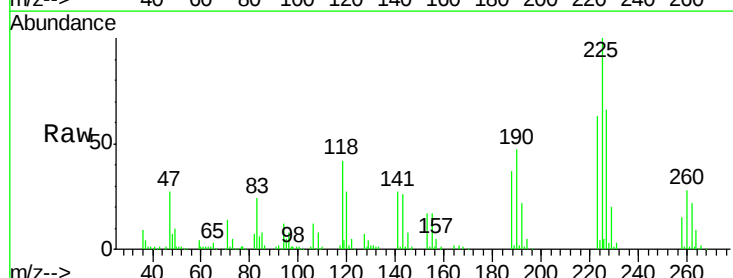
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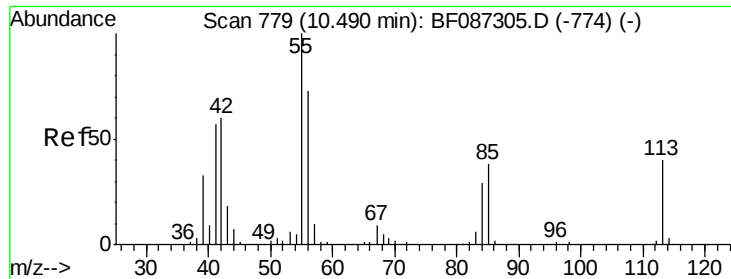
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#34
Hexachlorobutadiene
Concen: 43.28 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.3	51.5	77.3		
227	66.2	52.2	78.2		





#35

Caprolactam

Concen: 48.37 ng/mL

RT: 10.38 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion:113 Resp: 80646

Ion Ratio Lower Upper

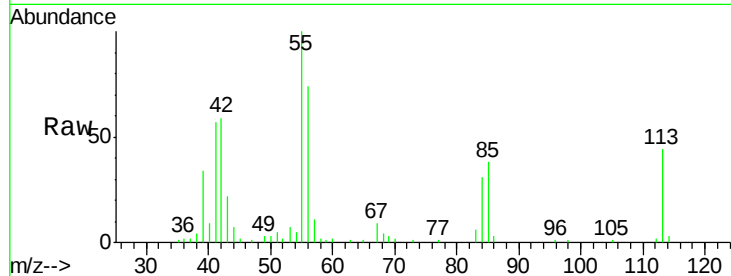
113 100

55 229.4 162.0 202.0#

56 168.7 115.3 155.3#

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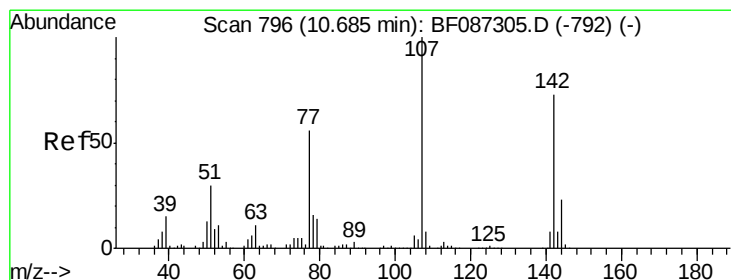
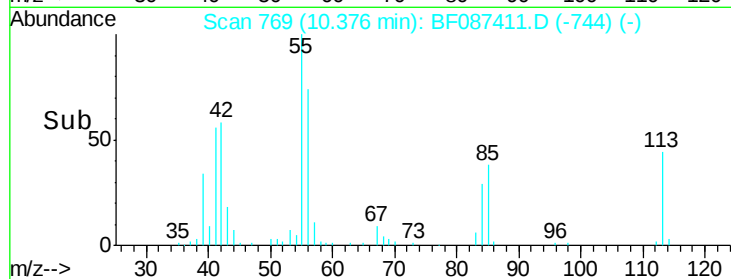
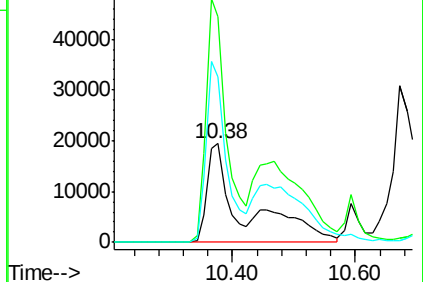
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 51.87 ng/mL

RT: 10.59 min Scan# 788

Delta R.T. 0.00 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

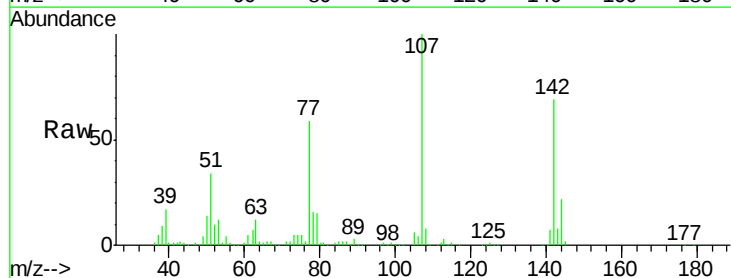
Tgt Ion:107 Resp: 334959

Ion Ratio Lower Upper

107 100

144 22.4 20.7 31.1

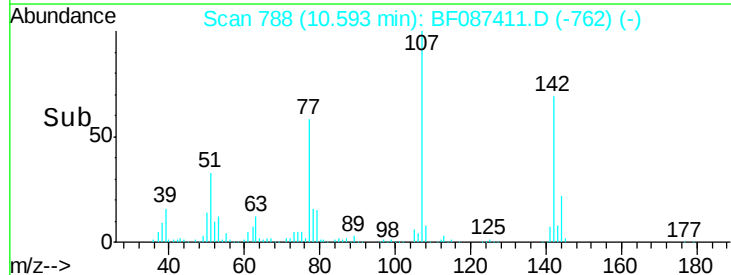
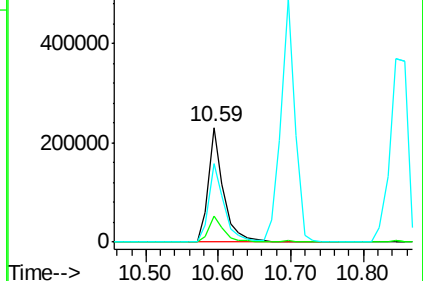
142 68.7 63.2 94.8

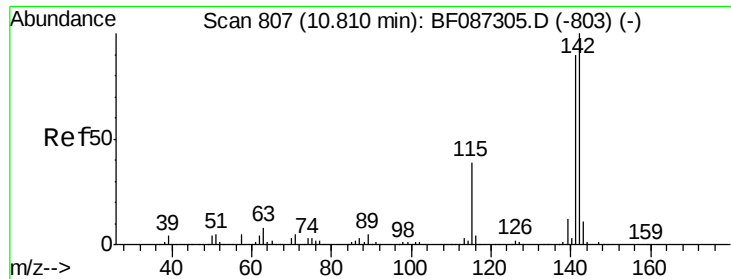


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 50.20 ng

RT: 10.70 min Scan# 797

Delta R.T. -0.02 min

Lab File: BF087411.D

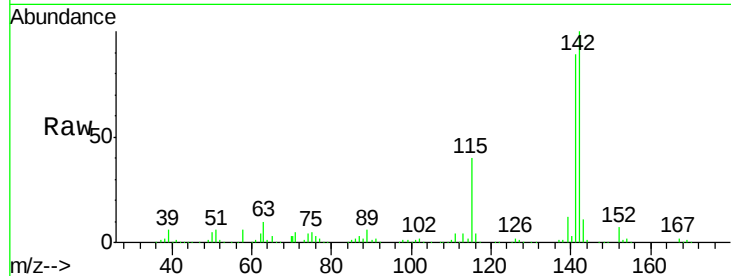
Acq: 26 May 2016 16:37

Instrument :

BNA_F

ClientSampleId :

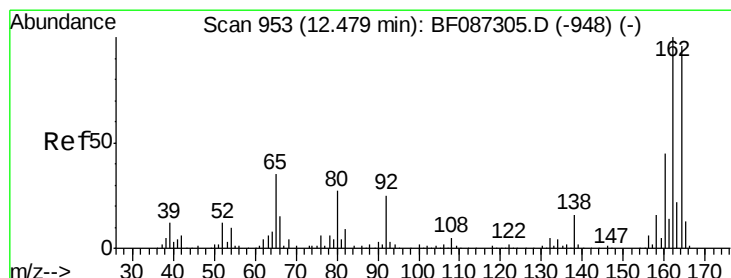
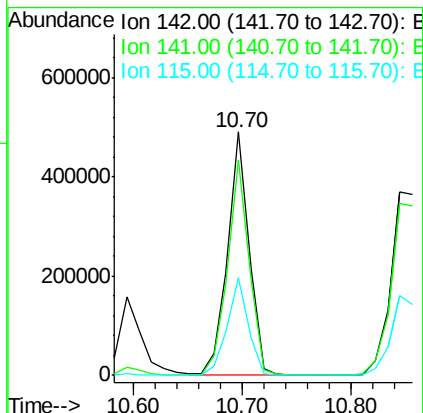
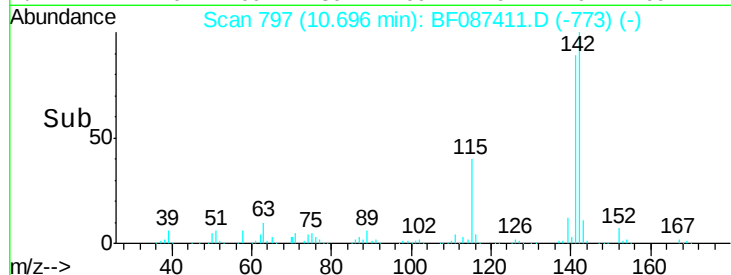
CHS-STA-1711(0-4)MSD



Tot Ion:	142	Resp:	670186
Ion Ratio	Lower	Upper	
142	100		
141	88.6	71.0	106.6
115	40.4	26.6	39.8

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#38

Acenaphthene-d10

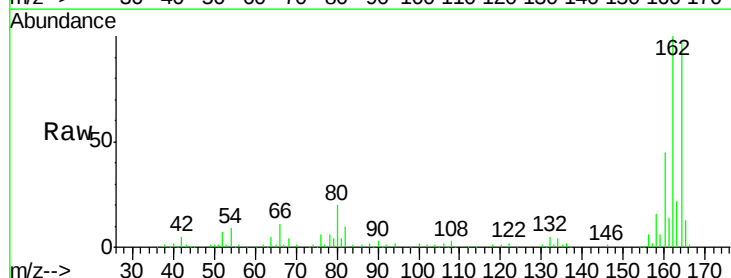
Concen: 20.00 ng

RT: 12.36 min Scan# 943

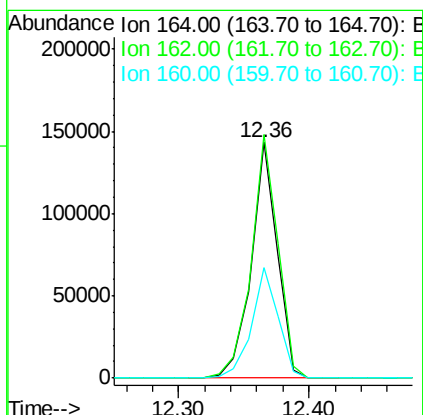
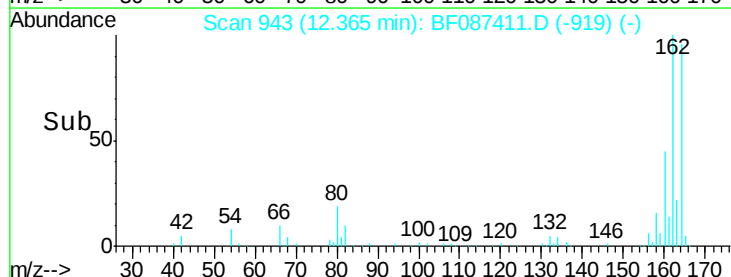
Delta R.T. -0.02 min

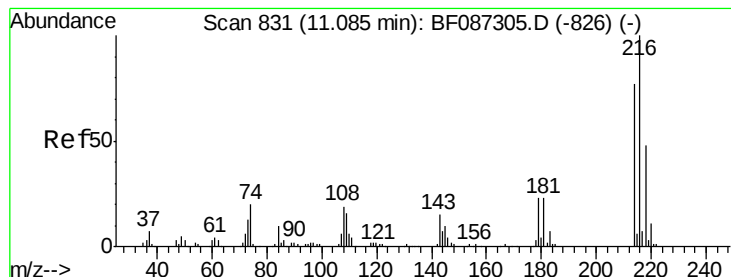
Lab File: BF087411.D

Acq: 26 May 2016 16:37



Tgt Ion:	164	Resp:	198993
Ion Ratio	Lower	Upper	
164	100		
162	103.4	82.8	124.2
160	46.7	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.72 ng

RT: 10.97 min Scan# 821

Delta R.T. -0.02 min

Lab File: BF087411.D

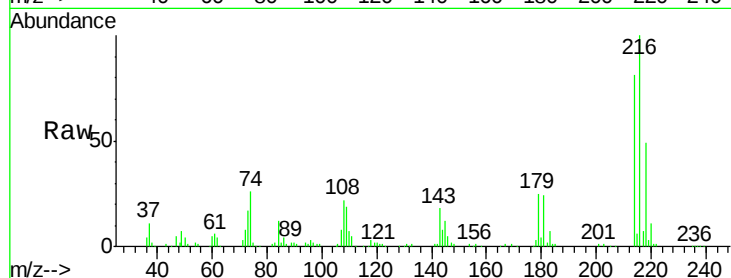
Acq: 26 May 2016 16:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)MSD



Tot Ion:216 Resp: 291242

Ion Ratio Lower Upper

216 100

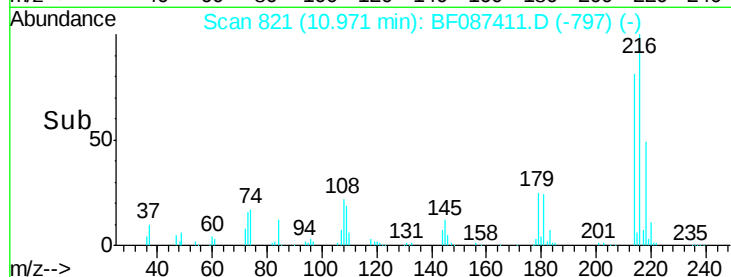
214 79.6 62.6 93.8

179 23.6 18.2 27.4

108 24.5 17.5 26.3

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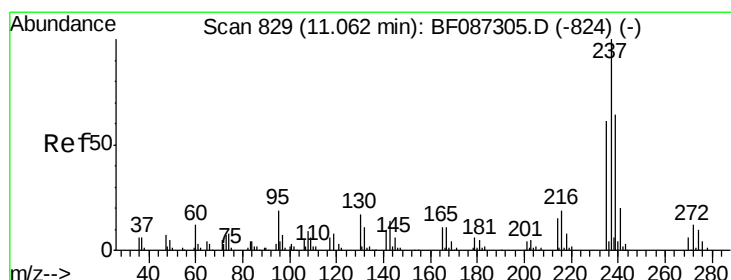
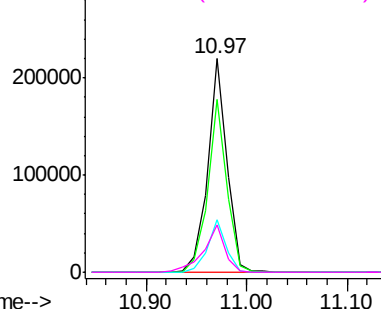


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 78.75 ng

RT: 10.95 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

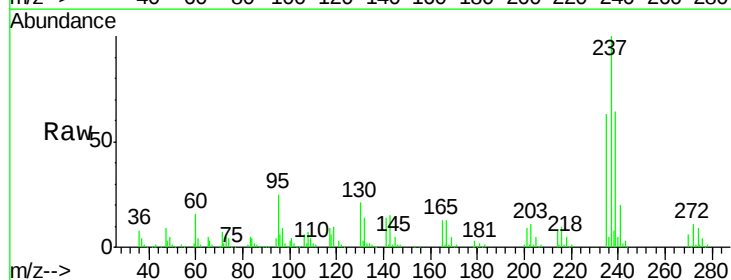
Tgt Ion:237 Resp: 205993

Ion Ratio Lower Upper

237 100

235 63.4 47.2 87.2

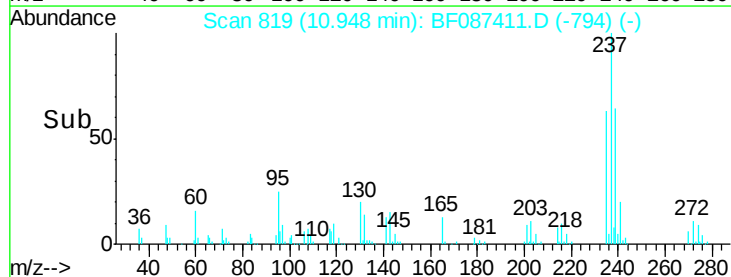
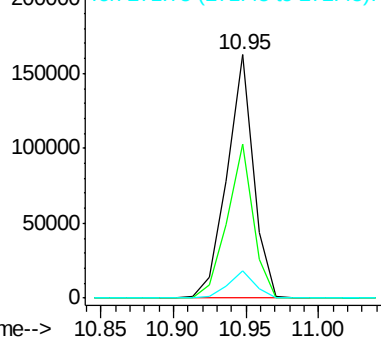
272 11.1 0.0 31.1

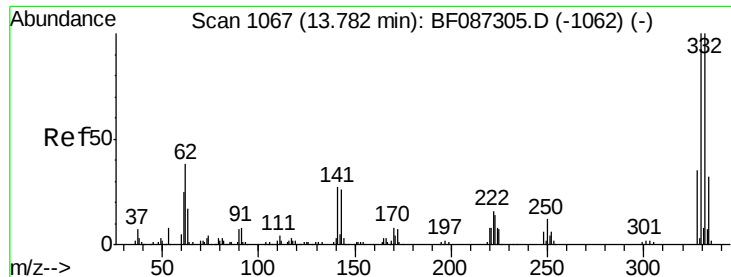


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 145.70 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

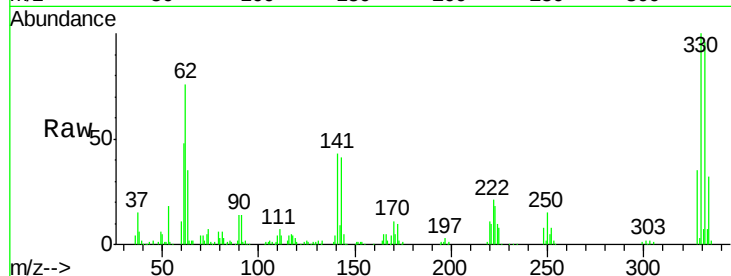
ClientSampleId :

CHS-STA-1711(0-4)MSD

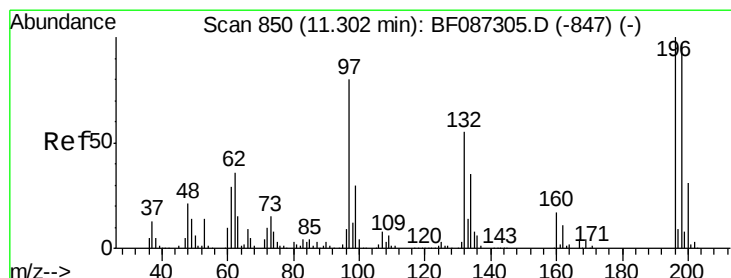
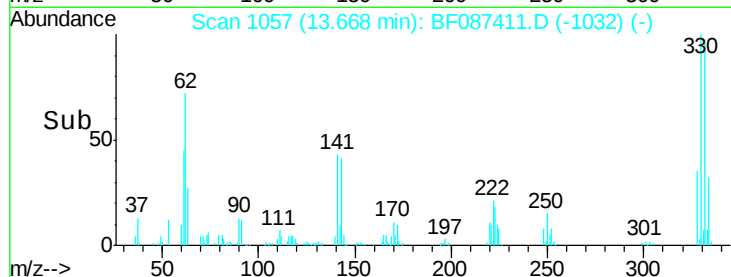
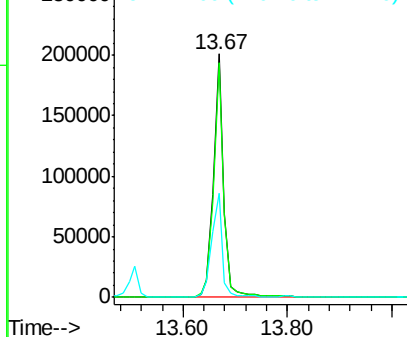
Tot Ion:	330	Resp:	278615
Ion Ratio	Lower	Upper	
330	100		
332	96.4	79.0	118.4
141	44.3	31.2	46.8

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 50.02 ng

RT: 11.20 min Scan# 841

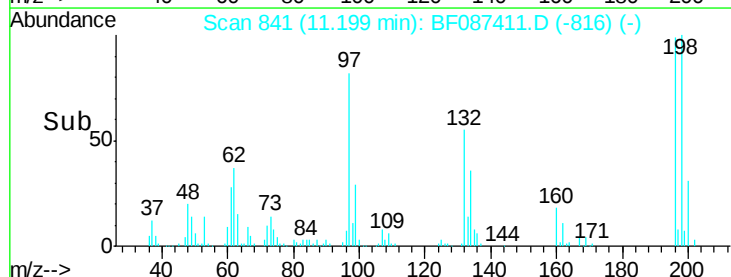
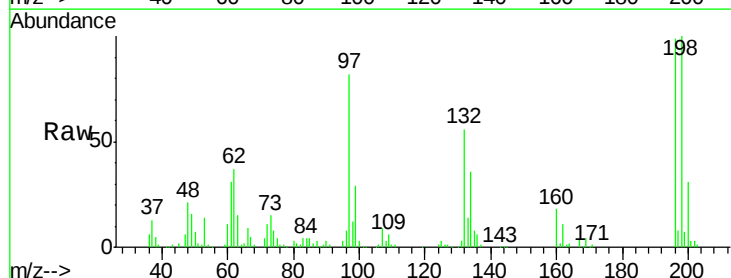
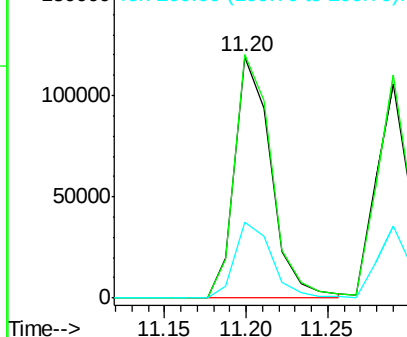
Delta R.T. -0.01 min

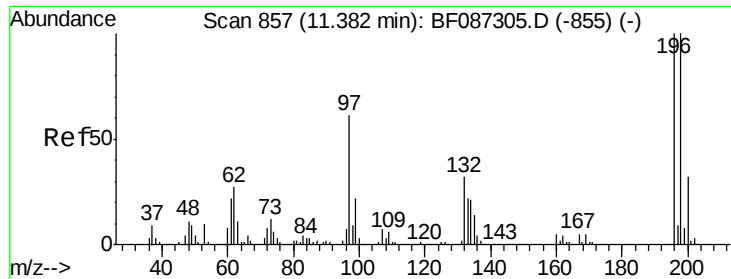
Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion:	196	Resp:	183893
Ion Ratio	Lower	Upper	
196	100		
198	101.0	74.7	112.1
200	31.6	23.8	35.6

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





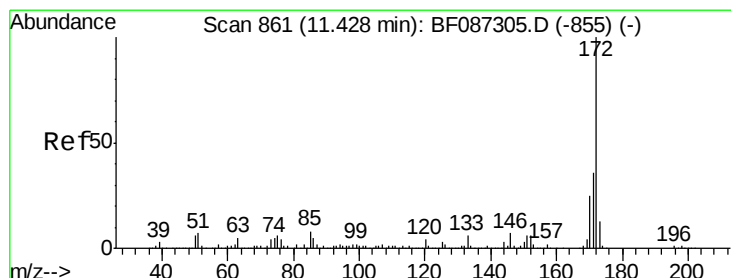
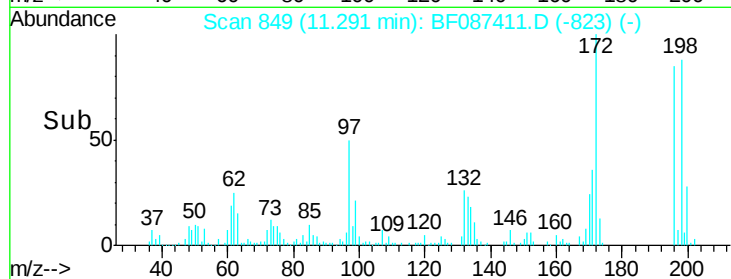
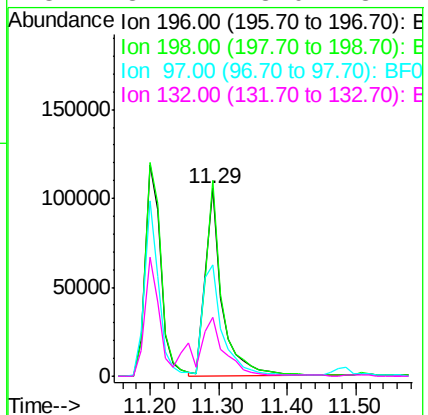
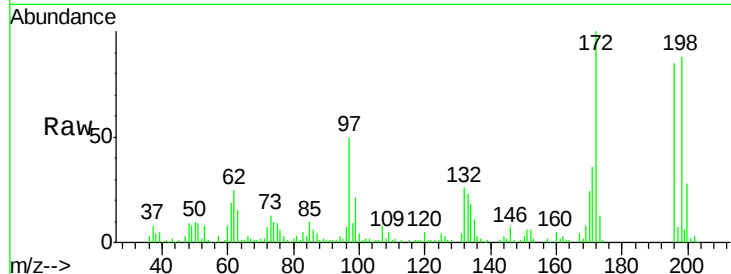
#43
 2,4,5-Trichlorophenol
 Concen: 48.58 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	181881		
198	104.3	77.5	116.3	
97	59.1	34.8	52.2	
132	31.1	23.0	34.4	

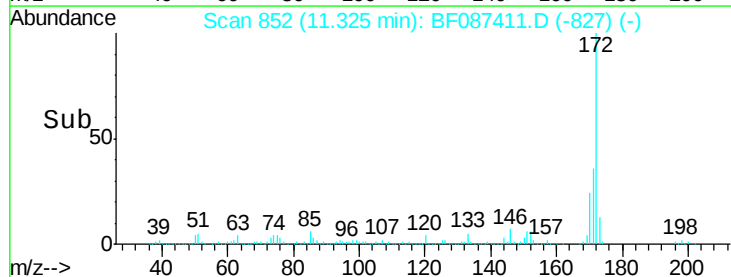
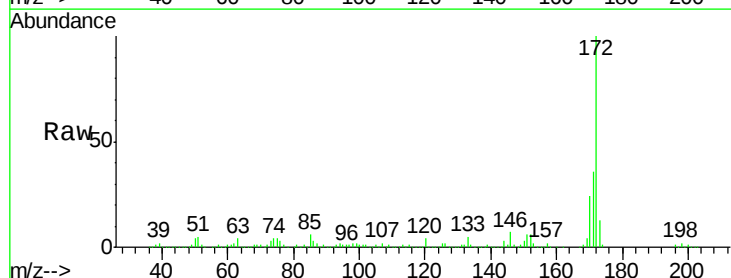
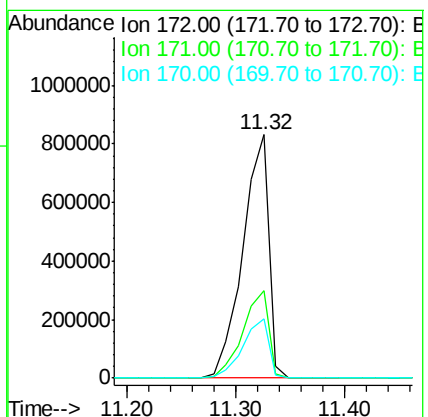
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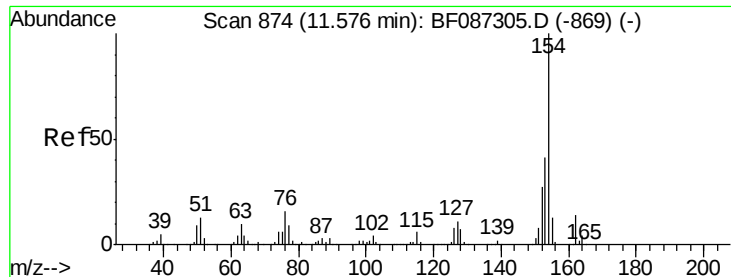
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#44
 2-Fluorobiphenyl
 Concen: 97.67 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1378604		
171	36.0	29.0	43.6	
170	24.2	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 50.07 ng

RT: 11.47 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

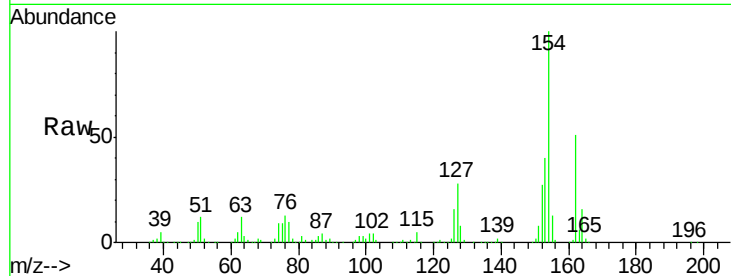
ClientSampleId :

CHS-STA-1711(0-4)MSD

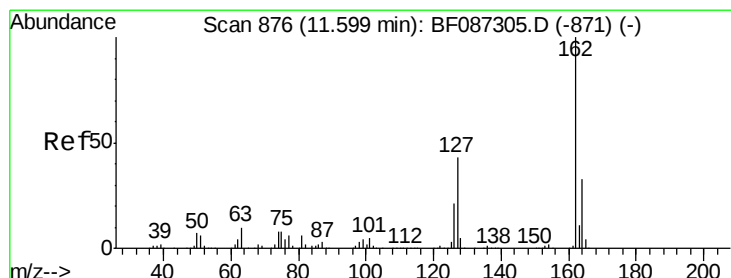
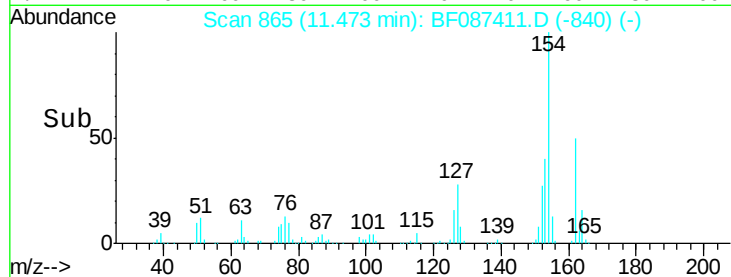
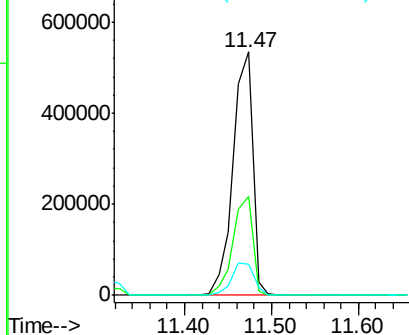
Tot Ion:	154	Resp:	838898
Ion Ratio	Lower	Upper	
154	100		
153	40.5	20.3	60.3
76	12.6	0.0	30.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 47.99 ng

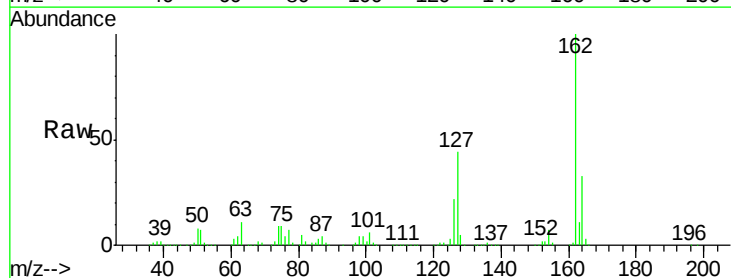
RT: 11.48 min Scan# 866

Delta R.T. -0.01 min

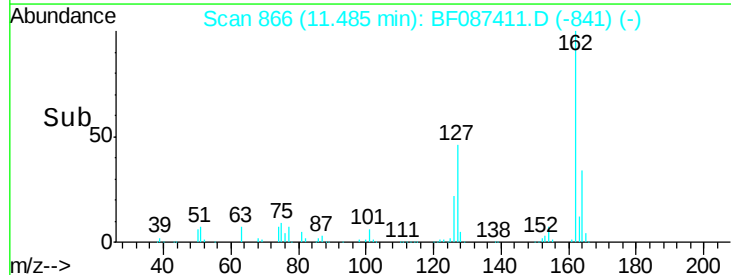
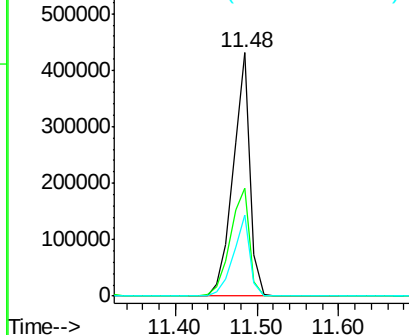
Lab File: BF087411.D

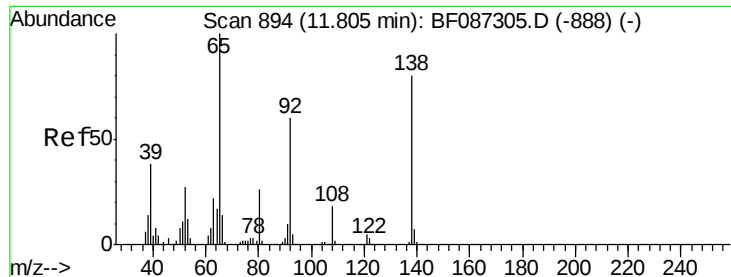
Acq: 26 May 2016 16:37

Tgt Ion:	162	Resp:	615081
Ion Ratio	Lower	Upper	
162	100		
127	44.4	31.8	47.6
164	33.3	27.0	40.6



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





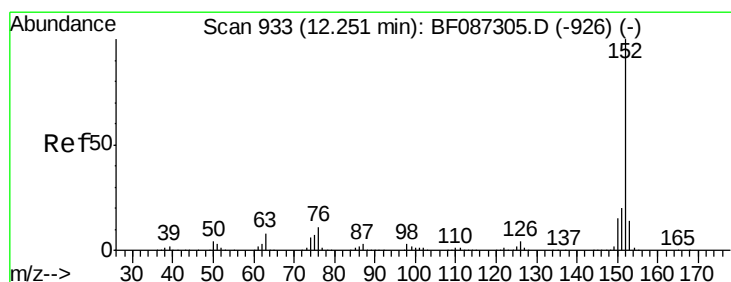
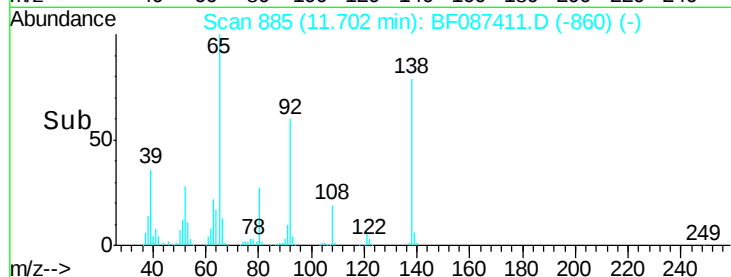
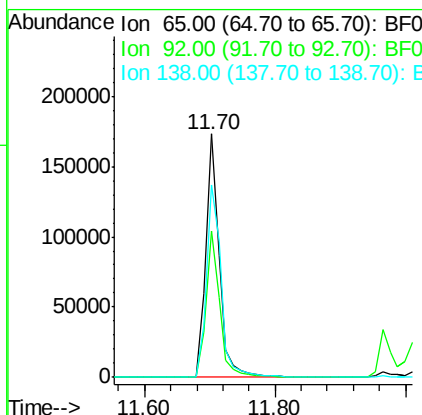
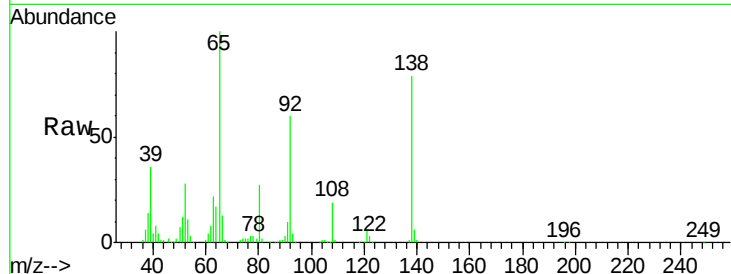
#47
2-Nitroaniline
Concen: 54.33 ng
RT: 11.70 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.0	57.4	86.2
138	79.0	90.1	135.1#

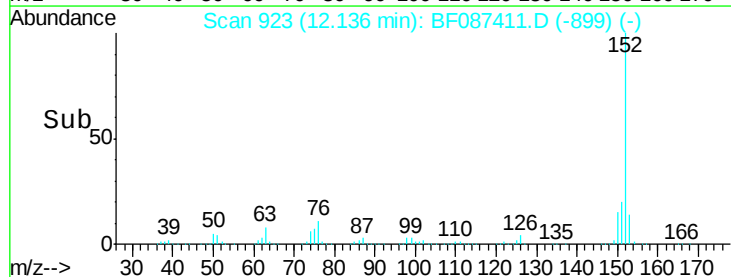
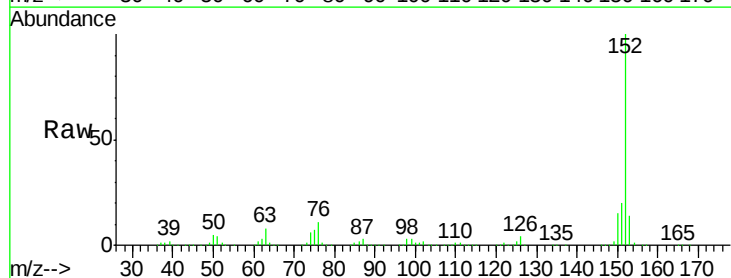
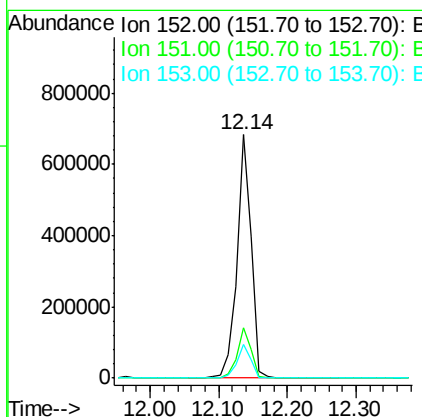
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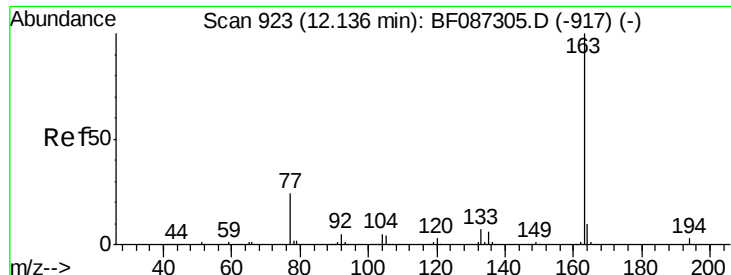
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#48
Acenaphthylene
Concen: 48.98 ng
RT: 12.14 min Scan# 923
Delta R.T. -0.02 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	13.9	10.9	16.3





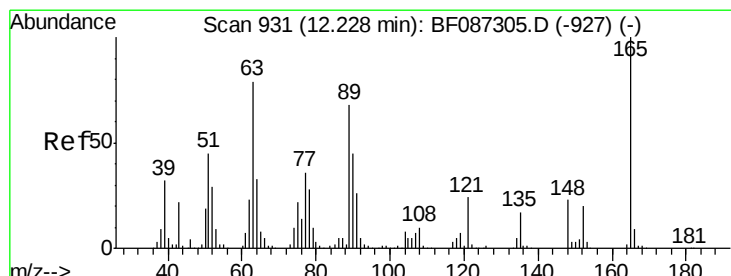
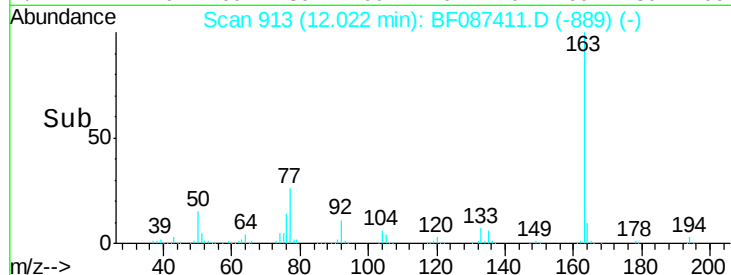
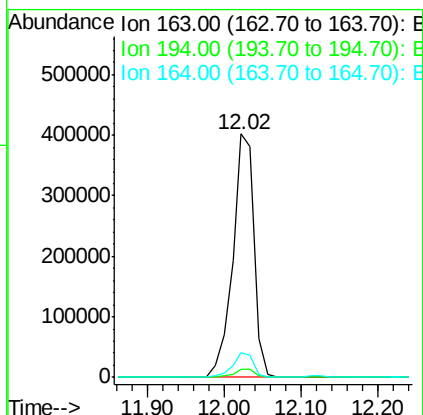
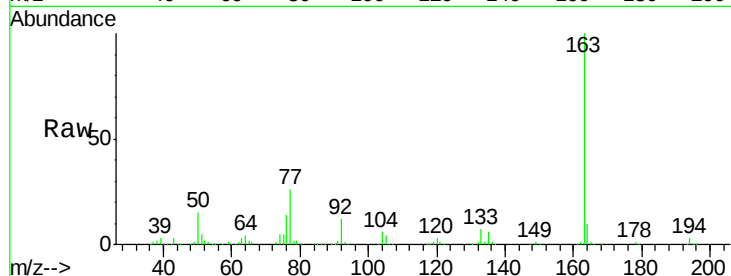
#49
Dimethylphthalate
Concen: 48.89 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	779369		
194	3.1	2.6	4.0	
164	10.2	8.2	12.4	

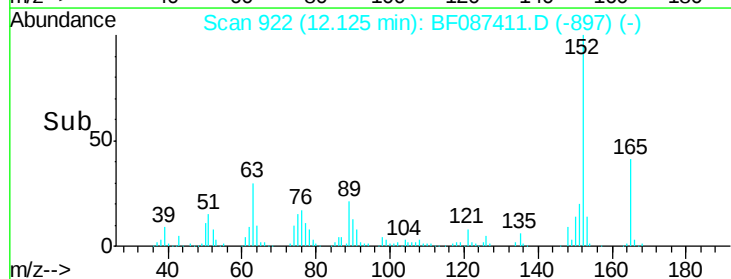
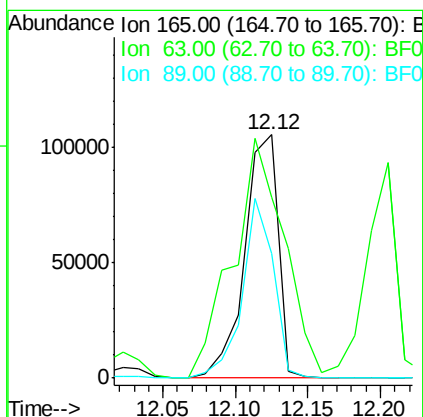
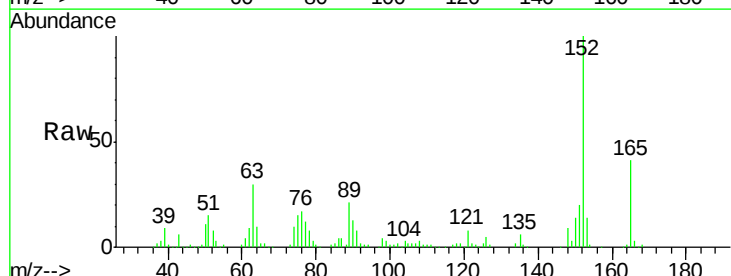
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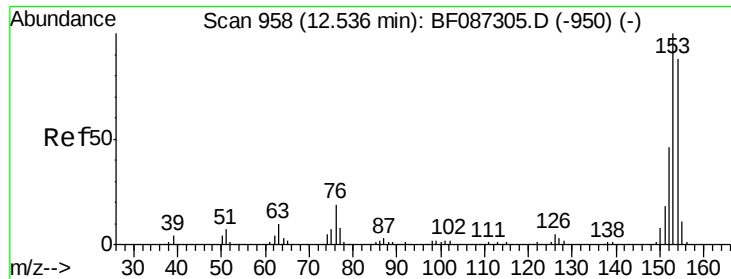
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#50
2,6-Dinitrotoluene
Concen: 52.78 ng
RT: 12.12 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	169522		
63	74.2	51.8	77.8	
89	51.0	50.7	76.1	





#51

Acenaphthene

Concen: 49.32 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF087411.D

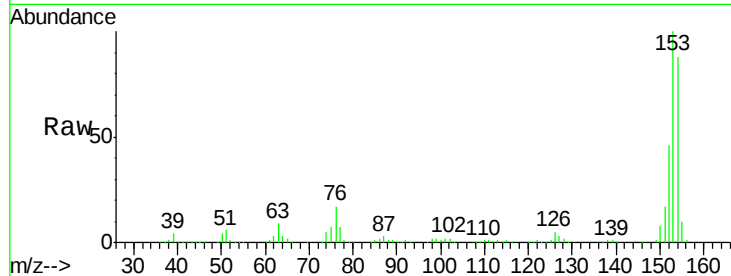
Acq: 26 May 2016 16:37

Instrument :

BNA_F

ClientSampleId :

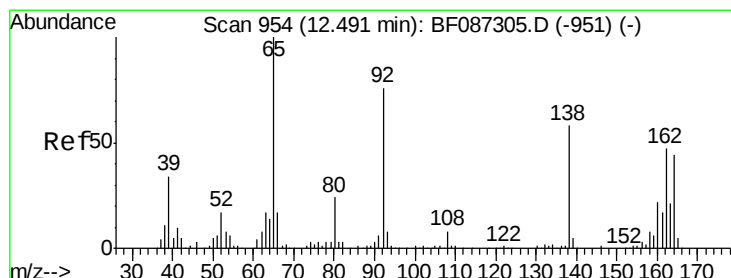
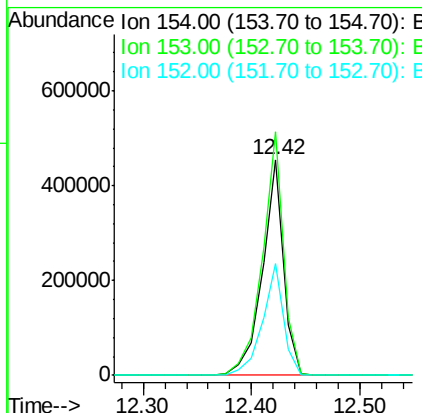
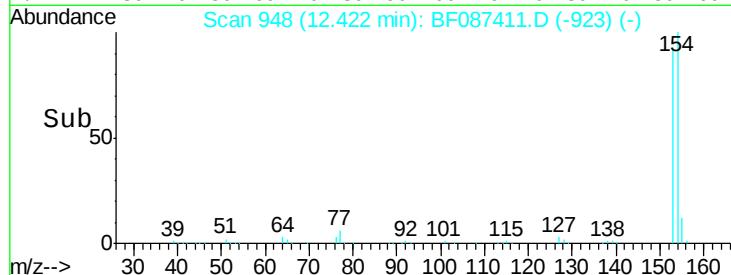
CHS-STA-1711(0-4)MSD



Tot Ion	154	Resp	615136
Ion Ratio	Lower	Upper	
154	100		
153	113.0	89.8	134.6
152	52.2	43.4	65.0

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#52

3-Nitroaniline

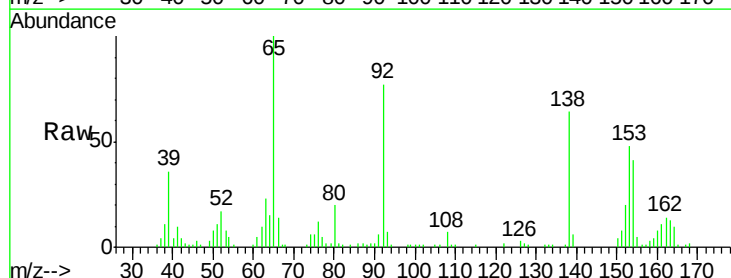
Concen: 18.74 ng

RT: 12.39 min Scan# 945

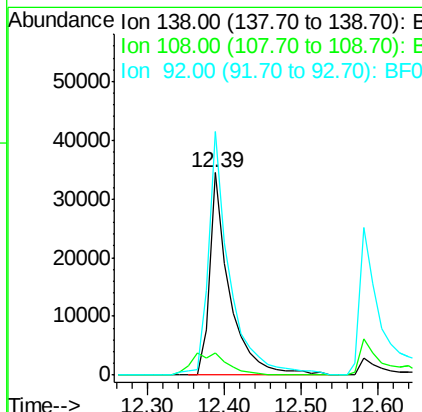
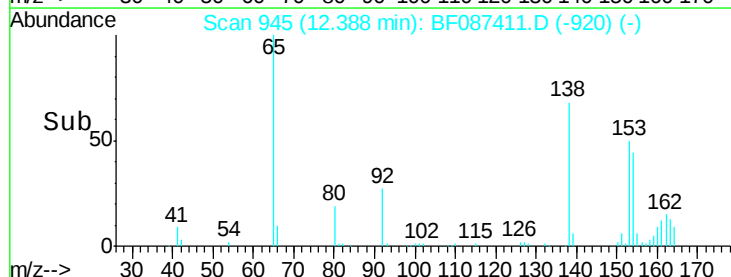
Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37



Tgt Ion	138	Resp	61791
Ion Ratio	Lower	Upper	
138	100		
108	11.0	7.8	11.6
92	120.4	87.8	131.8





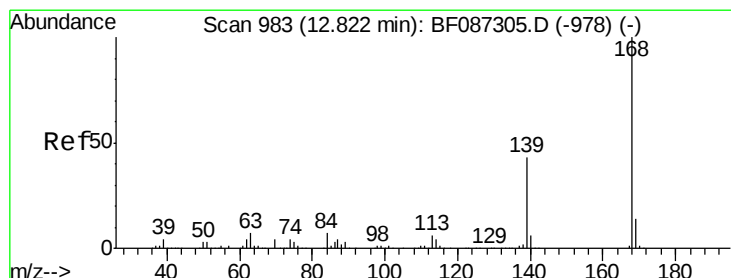
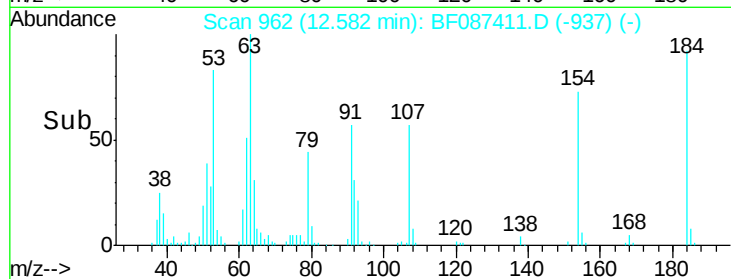
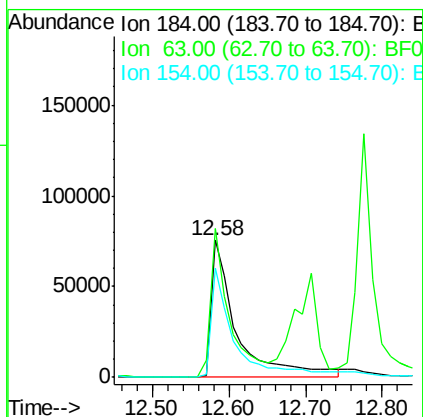
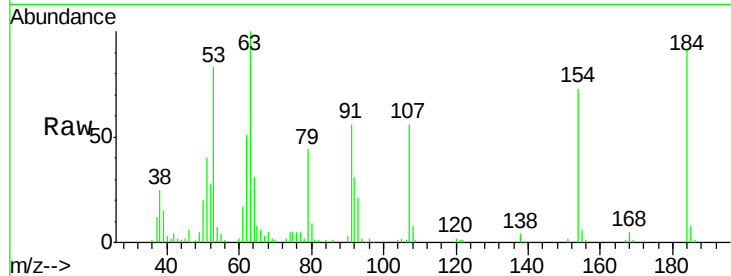
#53
2,4-Dinitrophenol
Concen: 102.91 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	172533		
63	108.8	55.8	83.8#	
154	79.4	62.4	93.6	

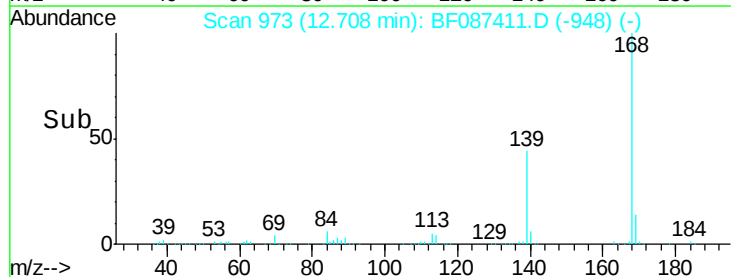
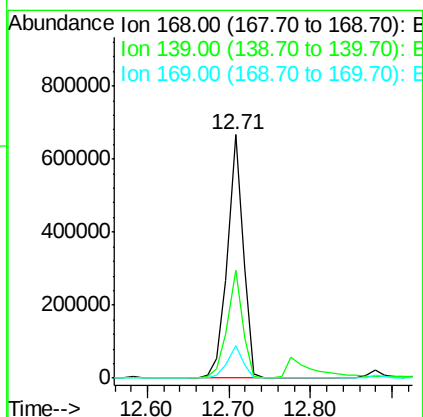
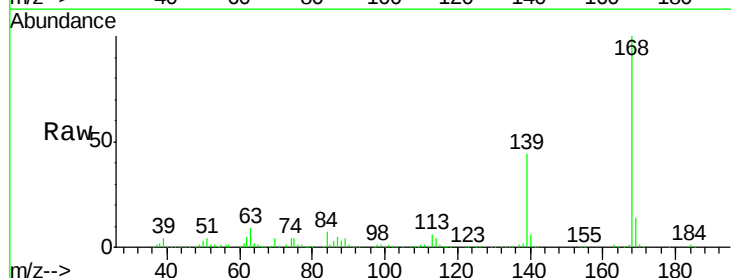
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#54
Dibenzofuran
Concen: 53.36 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	901088		
139	44.2	31.4	47.0	
169	13.6	10.7	16.1	





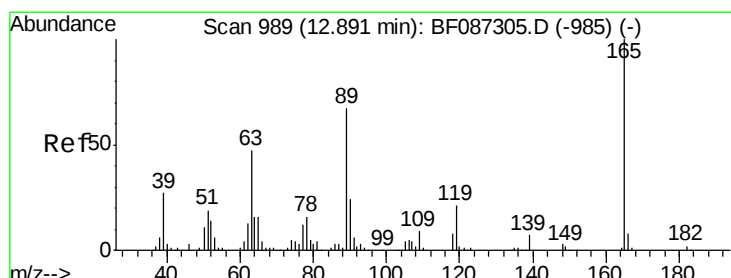
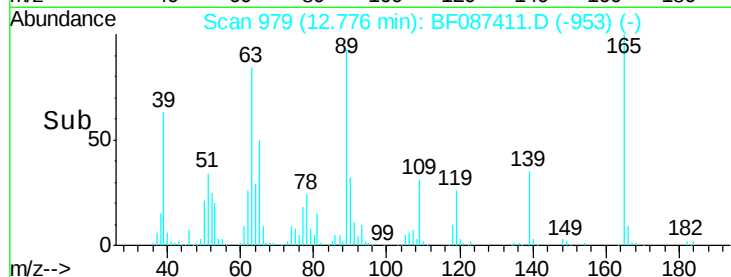
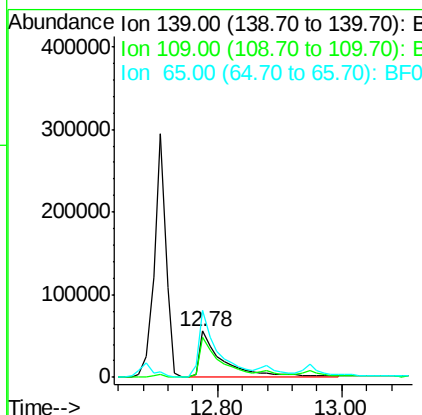
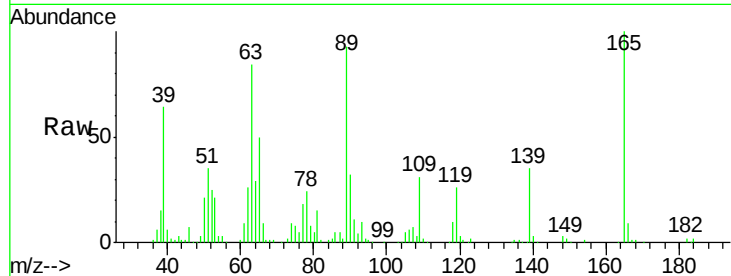
#55
4-Nitrophenol
Concen: 90.45 ng
RT: 12.78 min Scan# 979
Delta R.T. 0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	142235		
109	88.0	36.9	76.9#	
65	144.4	64.0	104.0#	

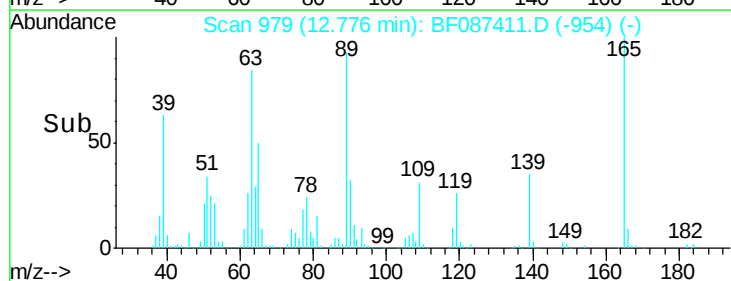
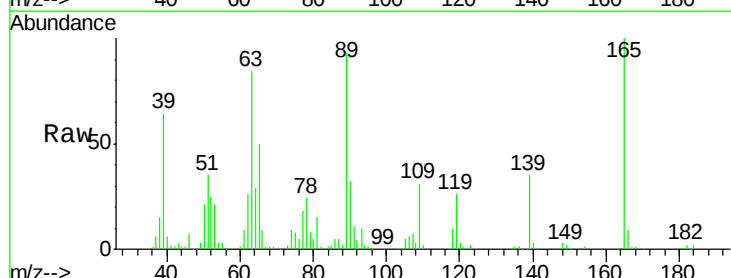
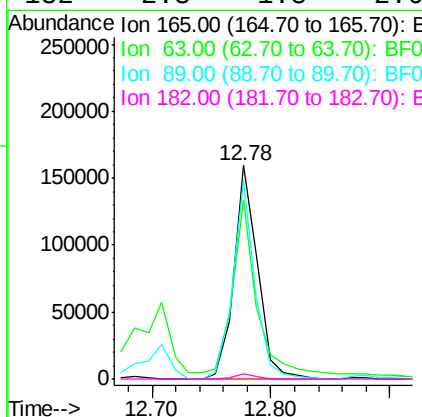
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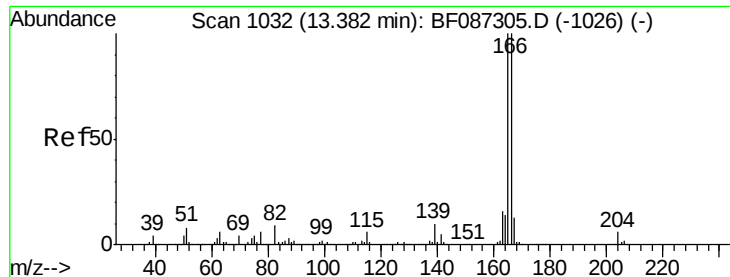
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#56
2,4-Dinitrotoluene
Concen: 51.48 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	220995		
63	84.1	44.3	66.5#	
89	92.8	70.0	105.0	
182	2.3	1.8	2.6	





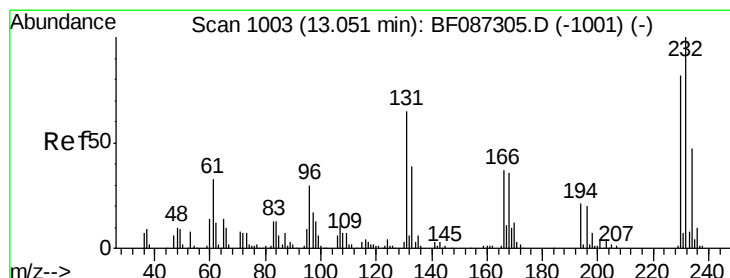
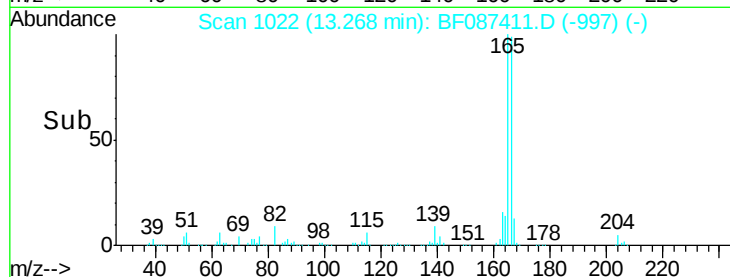
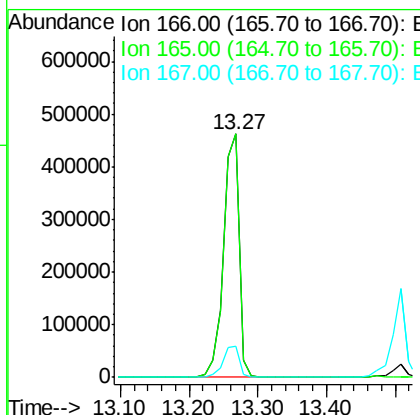
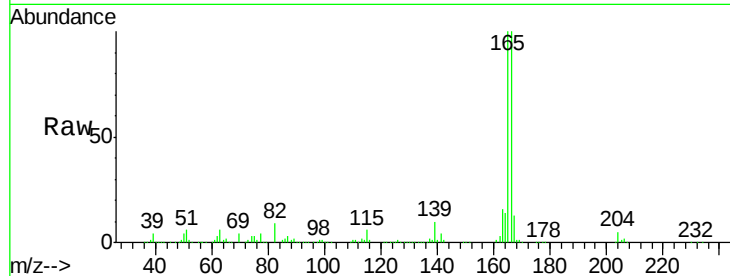
#57
 Fluorene
 Concen: 50.91 ng
 RT: 13.27 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	99.9	79.0	118.6		
167	12.9	10.6	15.8		

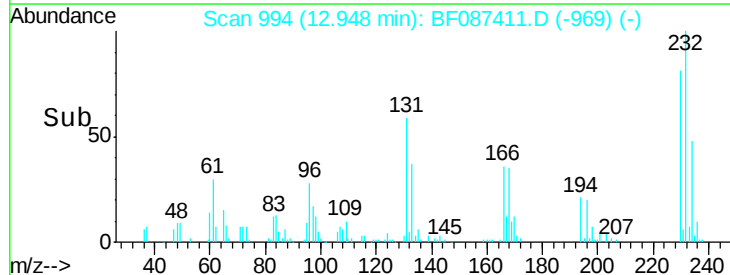
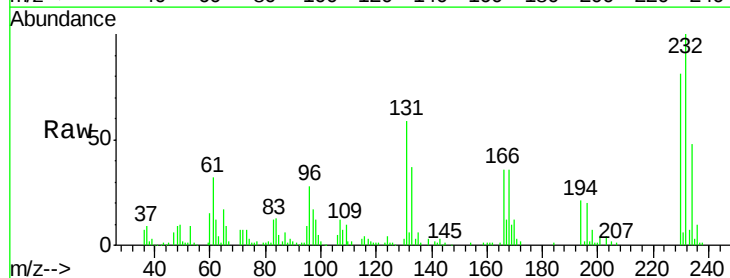
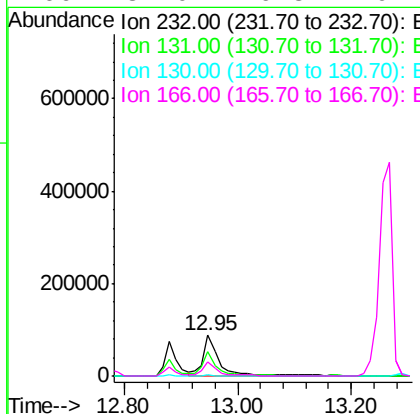
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 56.98 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
232	100				
131	54.0	41.9	62.9		
130	2.6	2.2	3.4		
166	32.0	26.8	40.2		





#59

Diethylphthalate

Concen: 50.11 ng

RT: 13.18 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

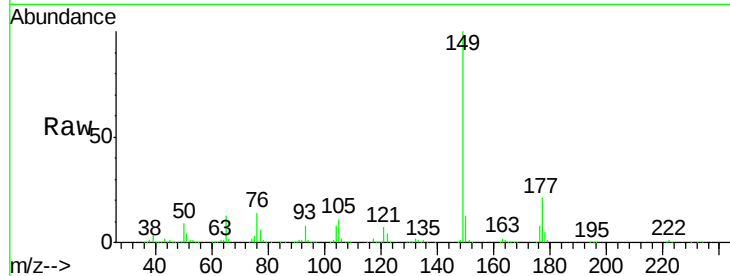
ClientSampleId :

CHS-STA-1711(0-4)MSD

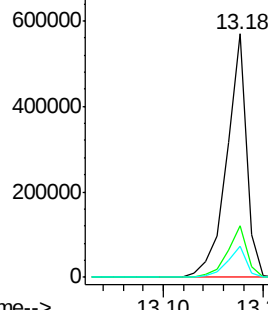
Tot Ion:	149	Resp:	776686
Ion Ratio	Lower	Upper	
149	100		
177	21.2	16.6	24.8
150	12.7	10.0	15.0

Manual Integrations
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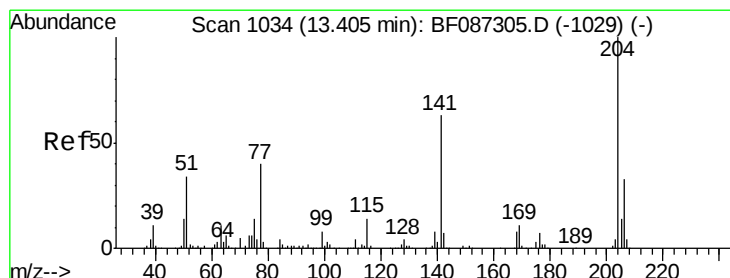
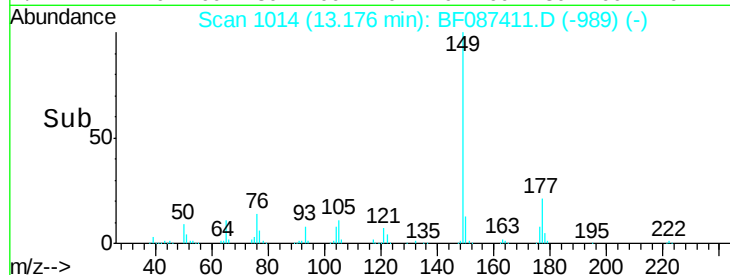
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



Time-->



#60

4-Chlorophenyl-phenylether

Concen: 47.00 ng

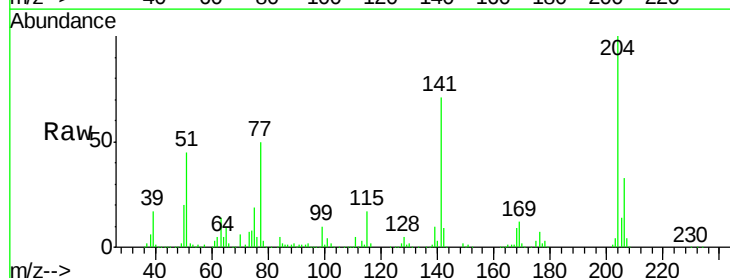
RT: 13.29 min Scan# 1024

Delta R.T. -0.01 min

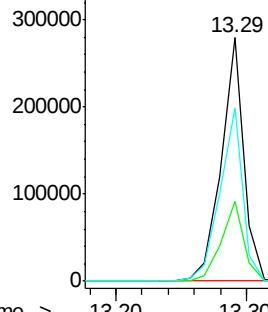
Lab File: BF087411.D

Acq: 26 May 2016 16:37

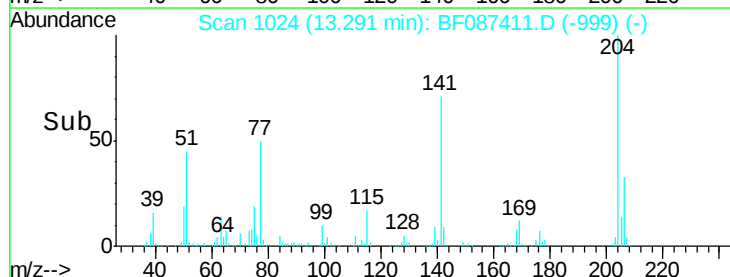
Tgt Ion:	204	Resp:	335624
Ion Ratio	Lower	Upper	
204	100		
206	32.9	25.4	38.0
141	71.3	61.6	92.4

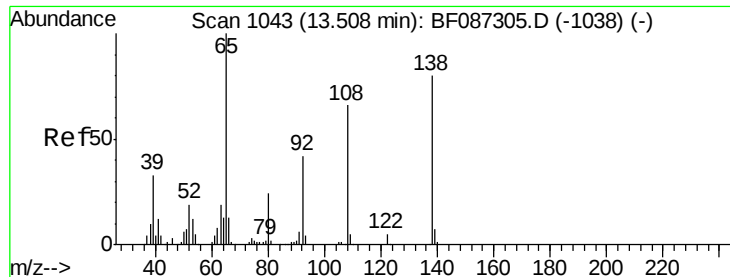


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#61

4-Nitroaniline

Concen: 45.04 ng

RT: 13.39 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

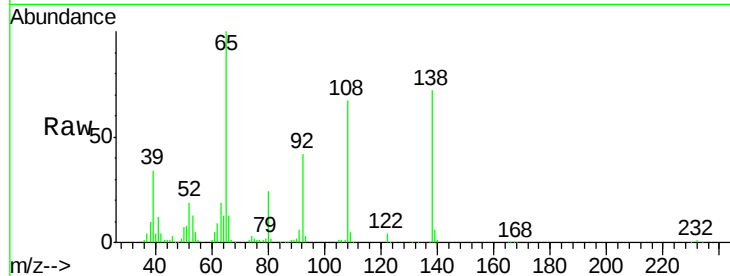
ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion:	138	Resp:	138563
Ion Ratio	Lower	Upper	
138	100		
92	58.2	24.7	64.7
108	93.4	37.4	77.4#

Manual Integrations
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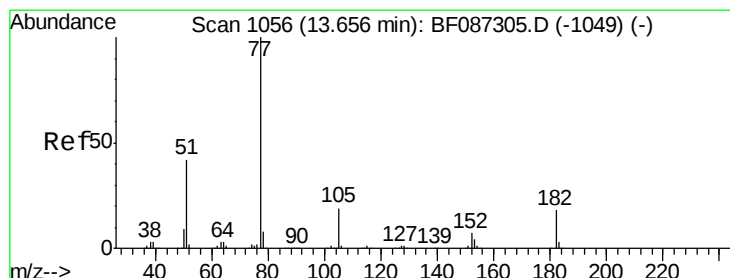
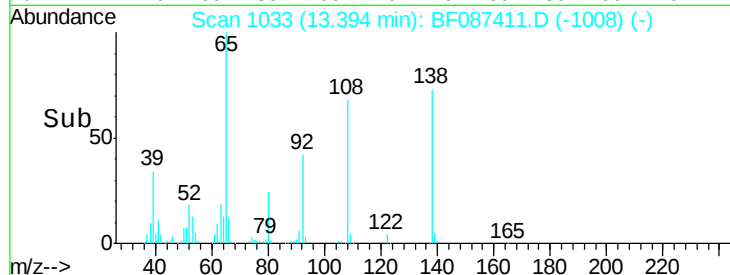
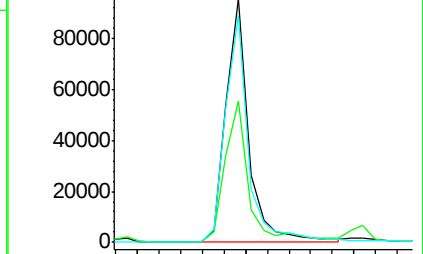
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 56.09 ng

RT: 13.54 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

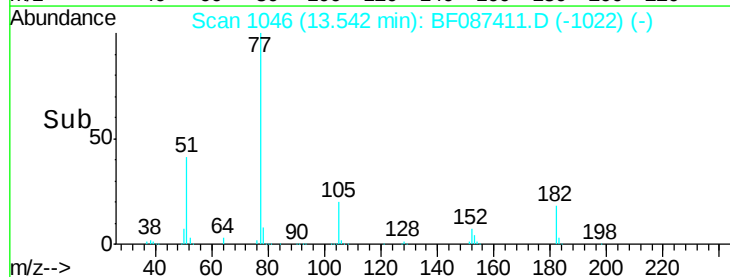
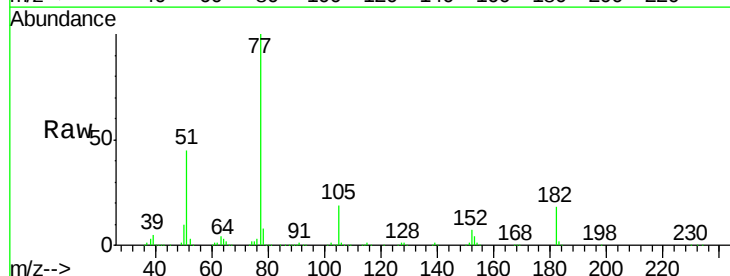
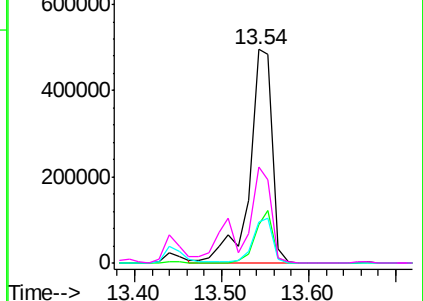
Tgt Ion:	77	Resp:	901790
Ion Ratio	Lower	Upper	
77	100		
182	17.8	0.0	38.8
105	19.4	3.2	43.2
51	45.2	8.8	48.8

Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





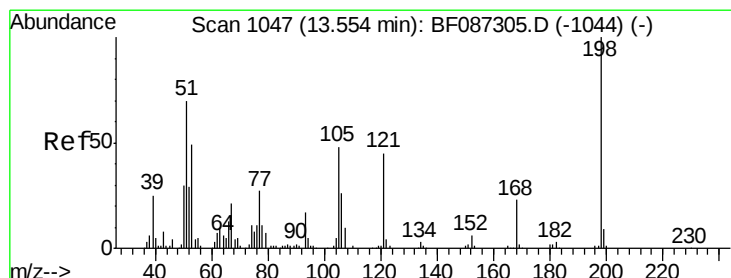
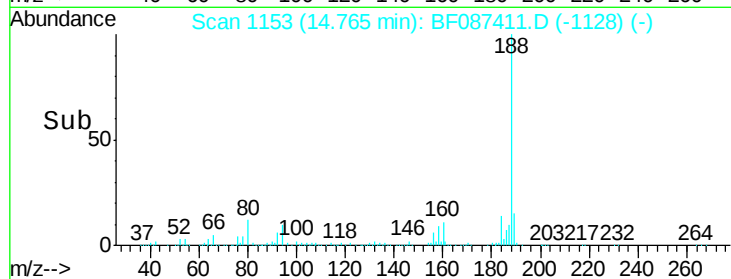
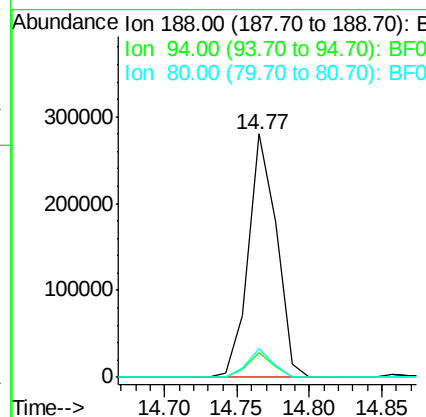
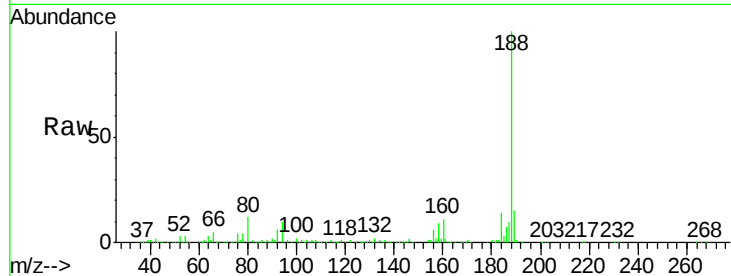
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	6.8	10.2
80	11.7	7.1	10.7#

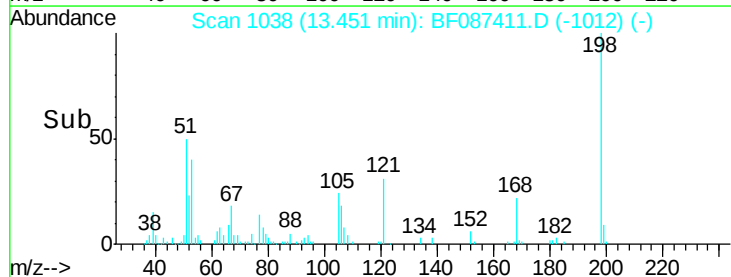
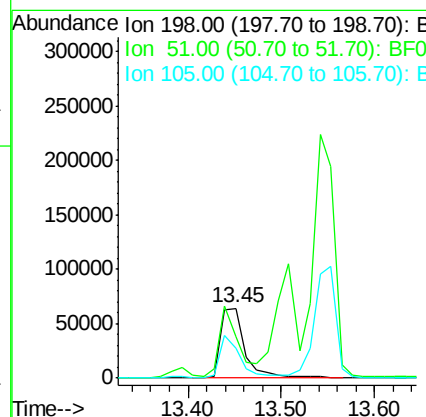
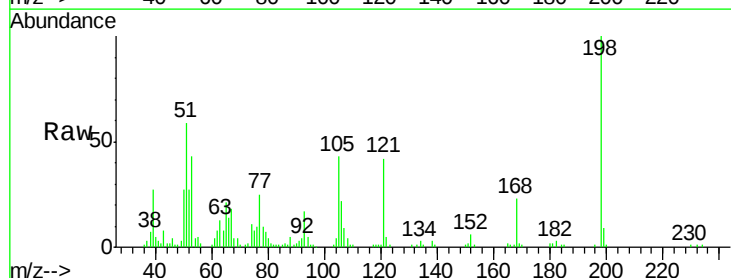
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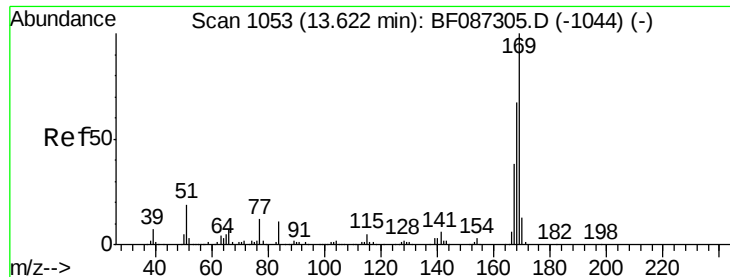
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#64
4,6-Dinitro-2-methylphenol
Concen: 48.59 ng
RT: 13.45 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	59.3	20.5	60.5
105	43.1	24.5	64.5





#65

n-Nitrosodiphenylamine

Concen: 48.20 ng

RT: 13.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

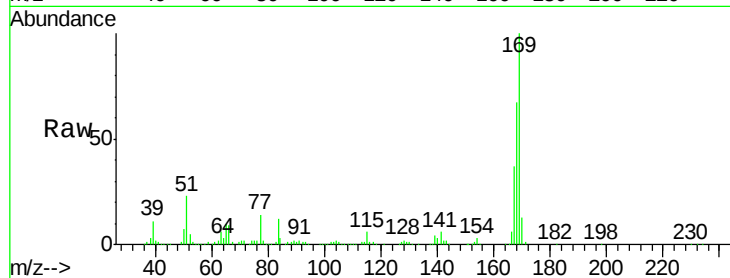
ClientSampleId :

CHS-STA-1711(0-4)MSD

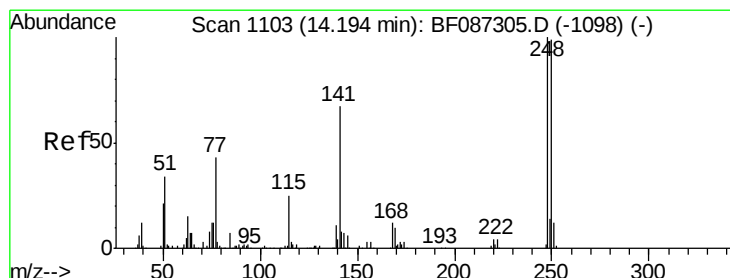
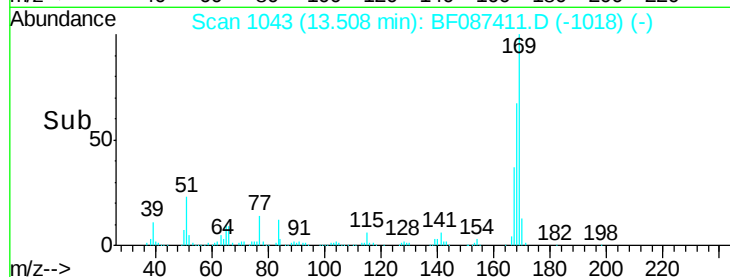
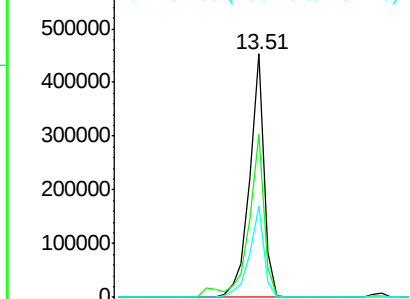
Tot Ion:	169	Resp:	589992
Ion Ratio	Lower	Upper	
169	100		
168	66.7	53.8	80.6
167	37.3	29.5	44.3

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 48.47 ng

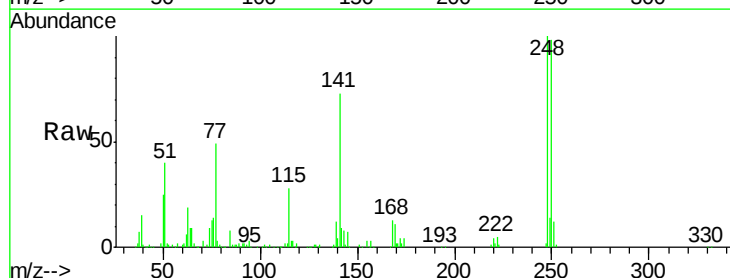
RT: 14.08 min Scan# 1093

Delta R.T. -0.01 min

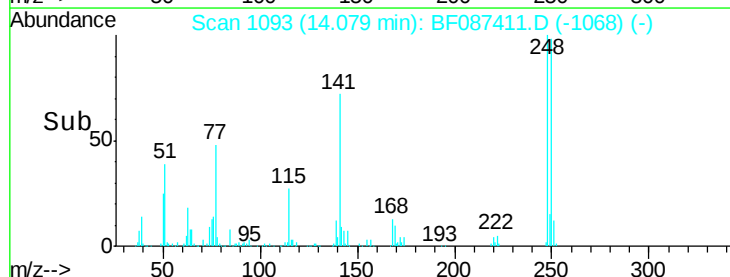
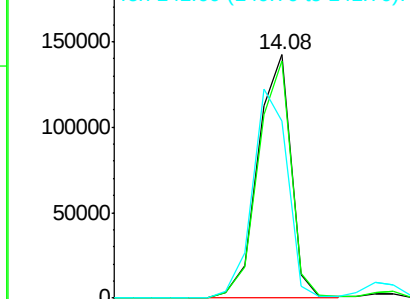
Lab File: BF087411.D

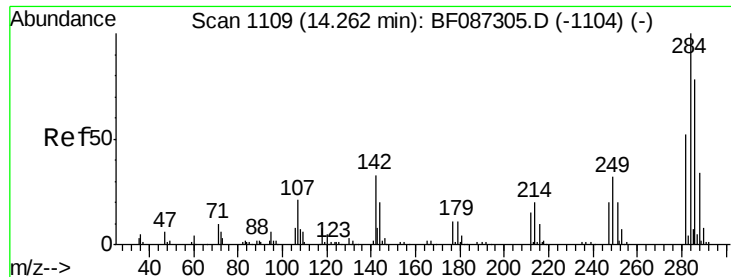
Acq: 26 May 2016 16:37

Tgt Ion:	248	Resp:	200692
Ion Ratio	Lower	Upper	
248	100		
250	97.5	78.6	117.8
141	72.9	76.0	114.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





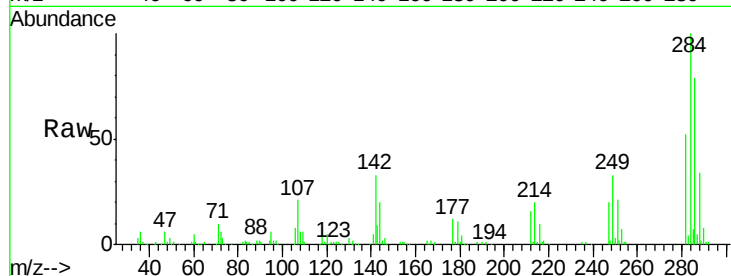
#67
Hexachlorobenzene
Concen: 48.33 ng
RT: 14.15 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

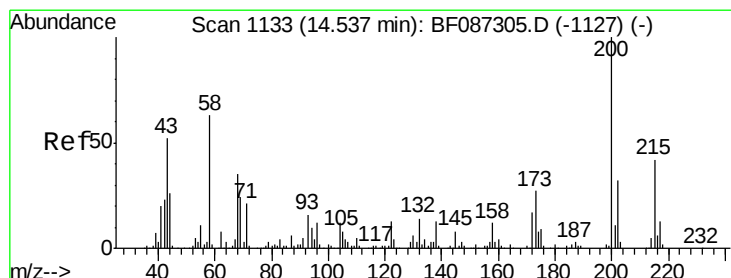
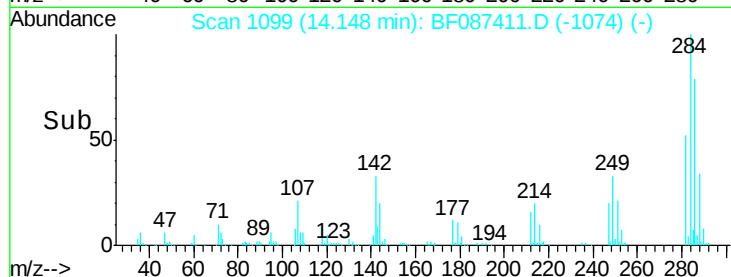
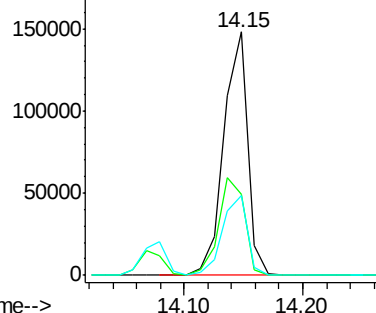
Tot Ion	Ratio	Resp	Lower	Upper
284	100	209293		
142	33.4	16.7	25.1#	
249	32.7	21.3	31.9#	

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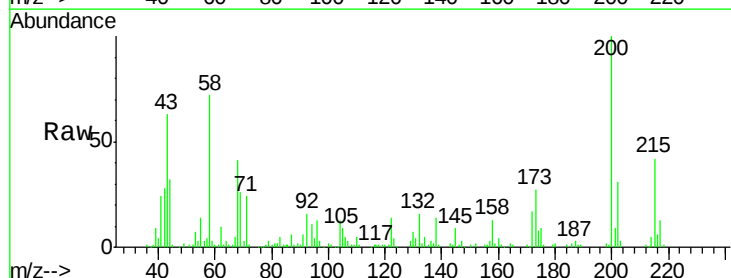


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

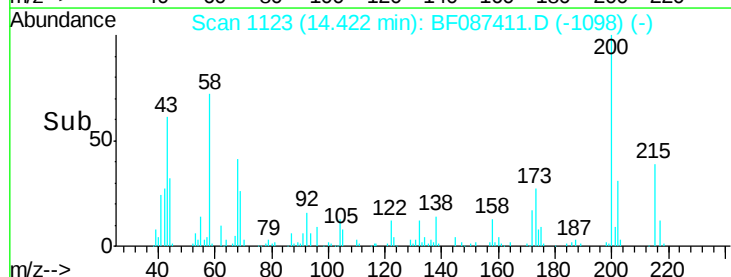
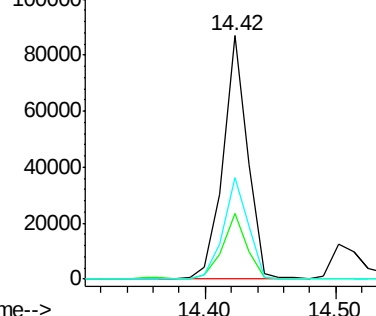


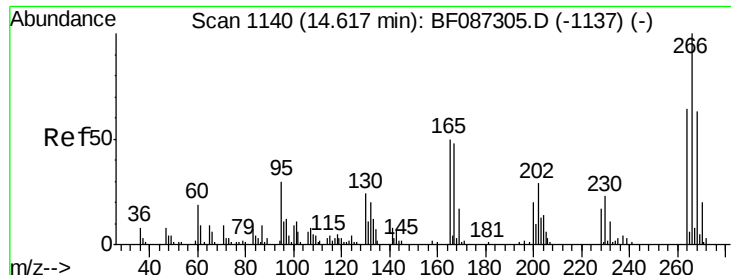
#68
Atrazine
Concen: 29.19 ng
RT: 14.42 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	113884		
173	26.7	8.5	48.5	
215	41.8	27.2	67.2	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





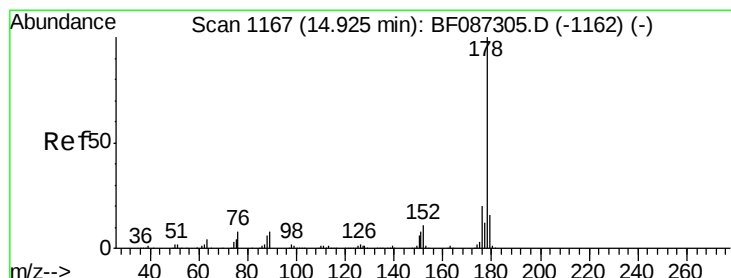
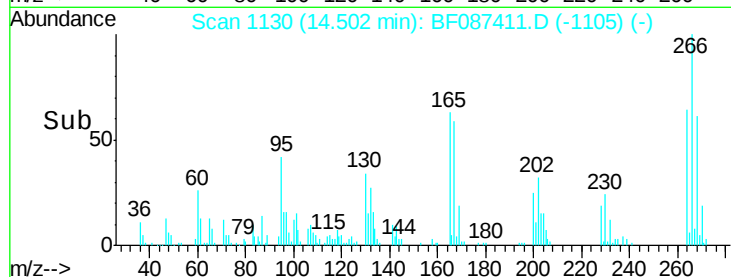
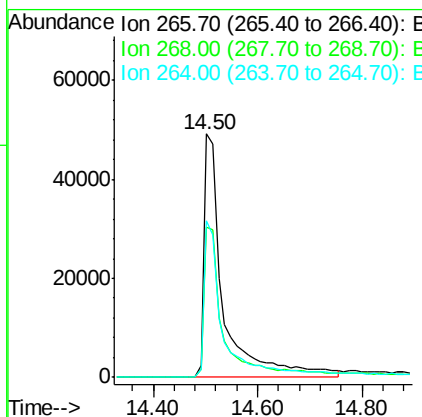
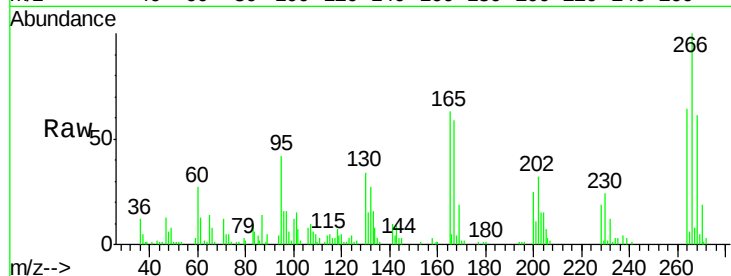
#69
 Pentachlorophenol
 Concen: 94.06 ng
 RT: 14.50 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	128186		
268	61.5	51.5	77.3	
264	64.3	52.9	79.3	

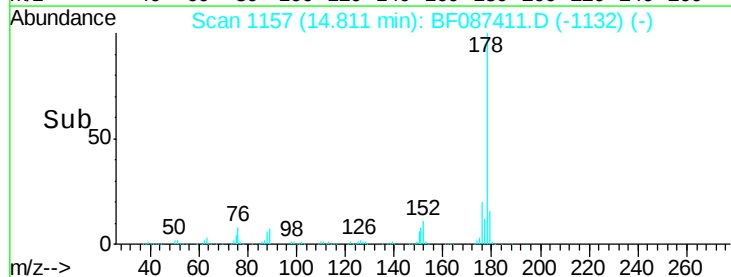
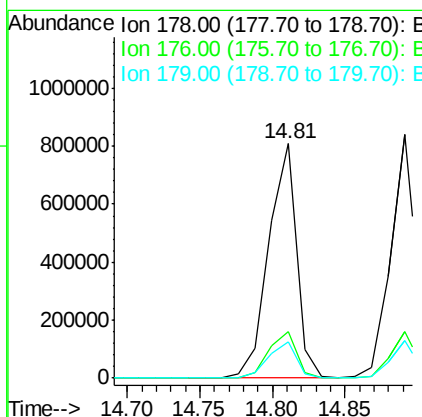
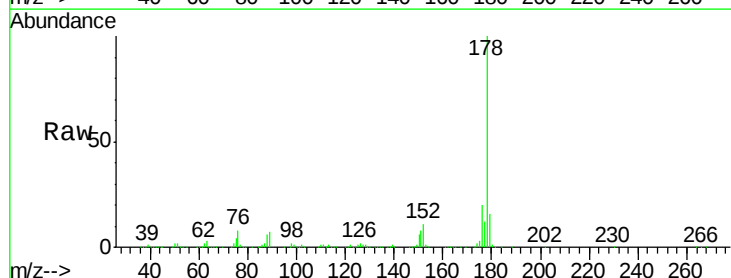
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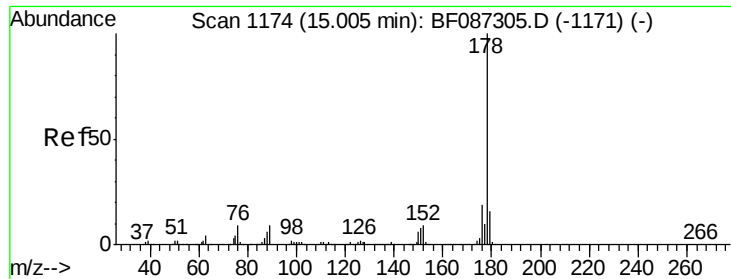
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#70
 Phenanthrene
 Concen: 51.75 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1084979		
176	19.9	16.0	24.0	
179	15.5	12.6	18.8	





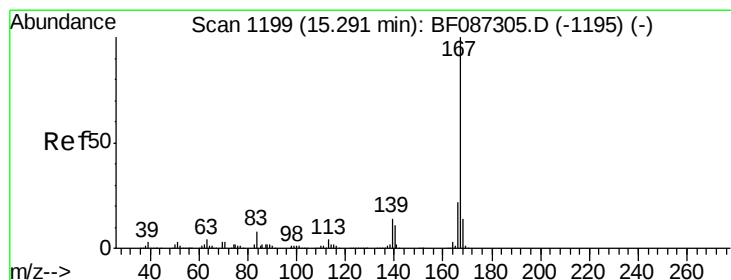
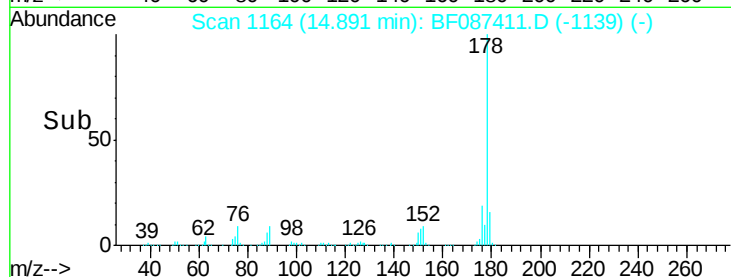
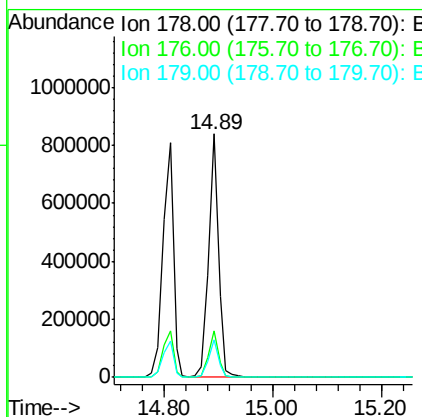
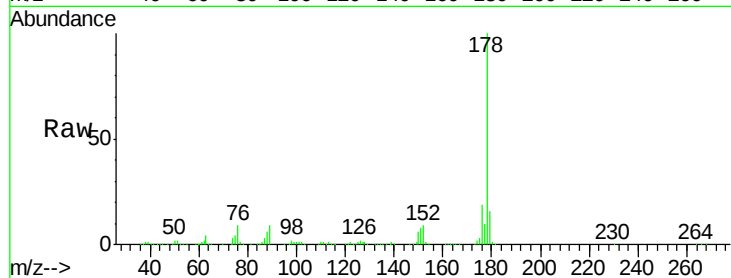
#71
 Anthracene
 Concen: 50.53 ng
 RT: 14.89 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.6	12.7	19.1

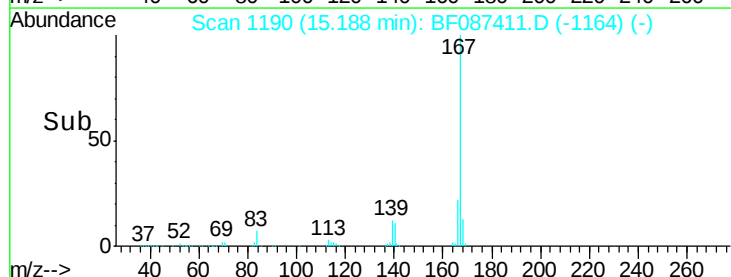
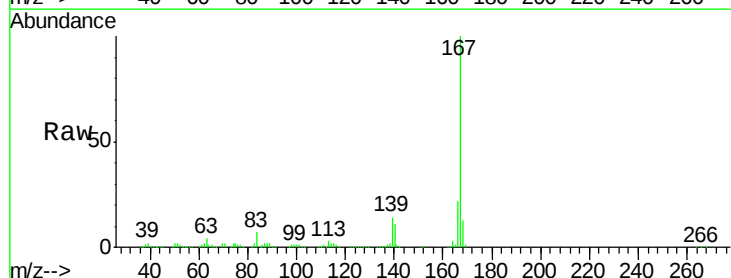
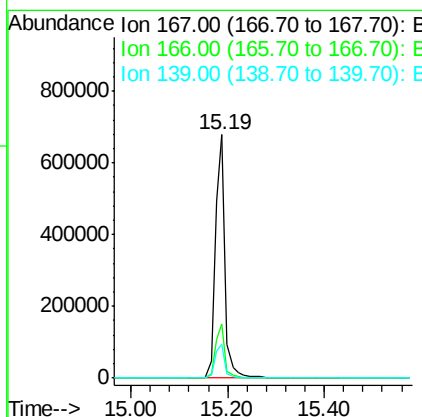
Manual Integrations
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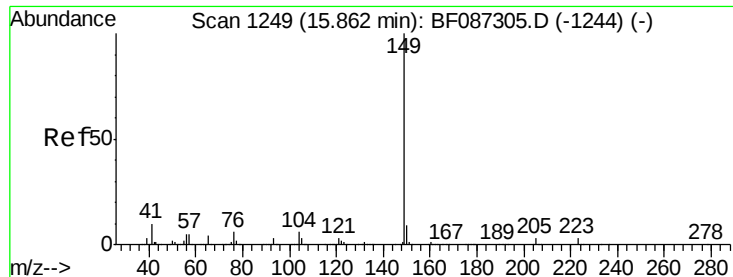
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#72
 Carbazole
 Concen: 52.99 ng
 RT: 15.19 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.7	26.5
139	13.9	10.8	16.2





#73

Di-n-butylphthalate

Concen: 47.10 ng

RT: 15.76 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion:149 Resp: 1100359

Ion Ratio Lower Upper

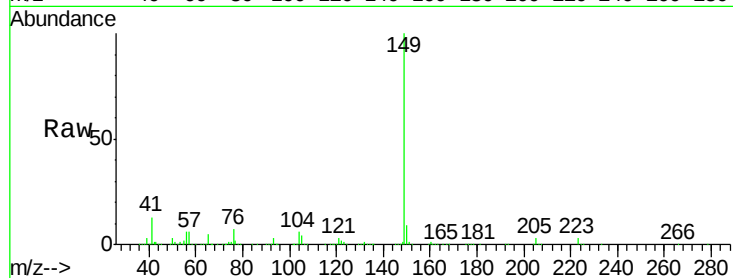
149 100

150 9.4 7.6 11.4

104 6.3 3.8 5.6#

Manual Integrations
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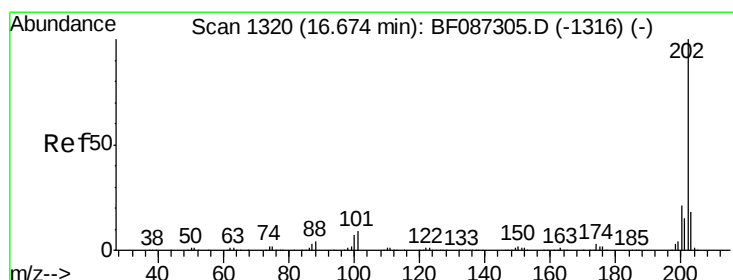
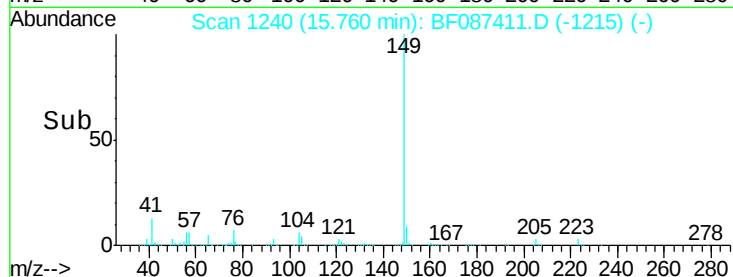
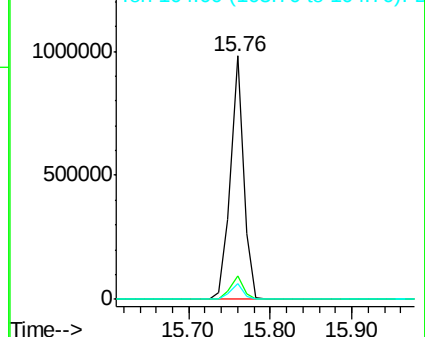
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 53.32 ng

RT: 16.57 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

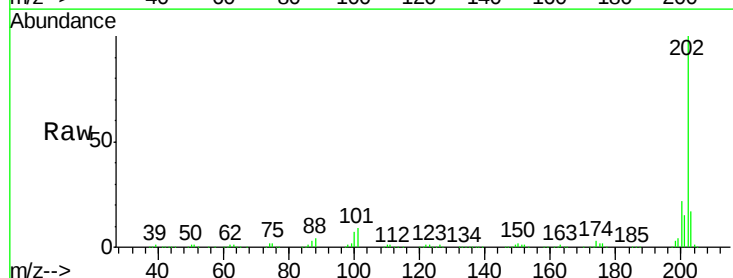
Tgt Ion:202 Resp: 1120932

Ion Ratio Lower Upper

202 100

101 8.5 0.0 35.4

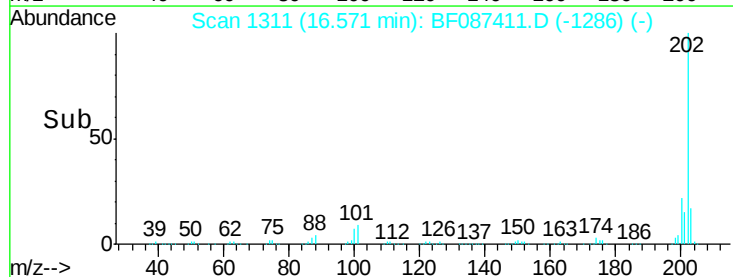
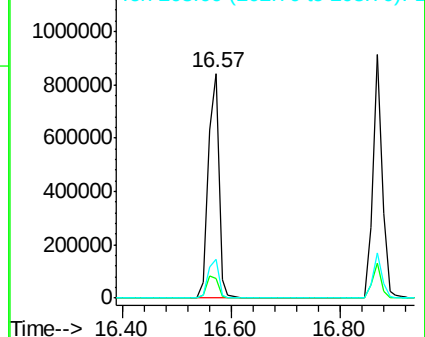
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

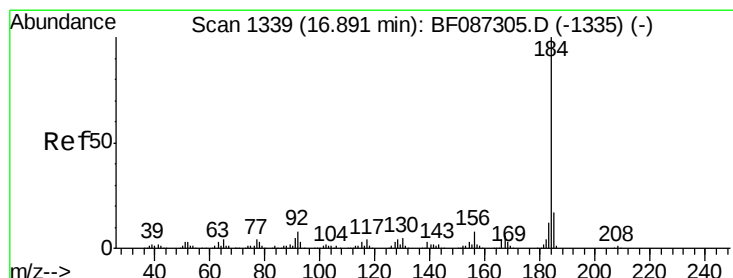
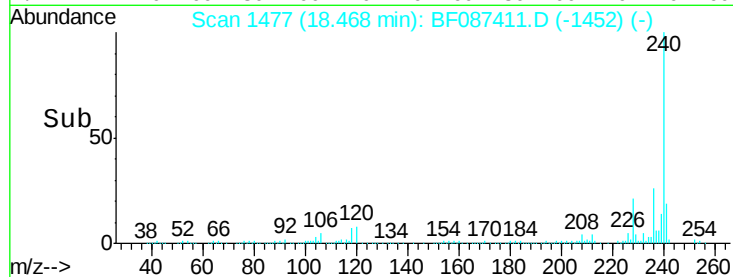
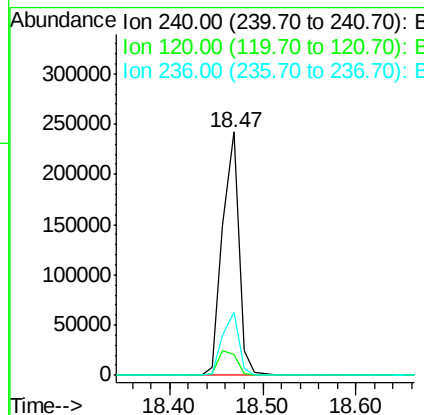
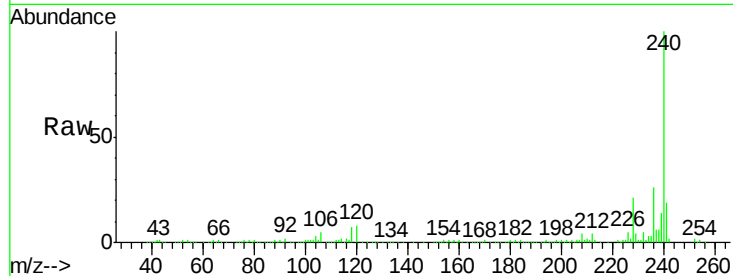
ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion:	240	Resp:	295475
Ion Ratio	Lower	Upper	
240	100		
120	8.3	11.2	16.8#
236	26.0	21.2	31.8

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#76

Benzidine

Concen: 2.40 ng

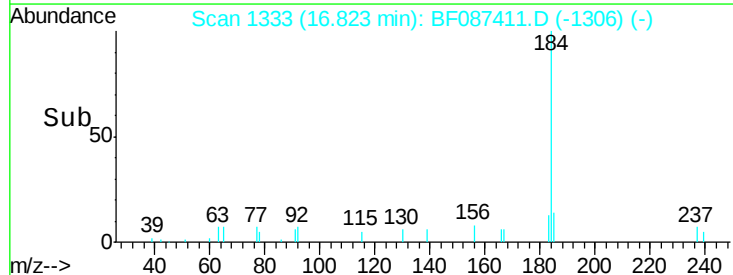
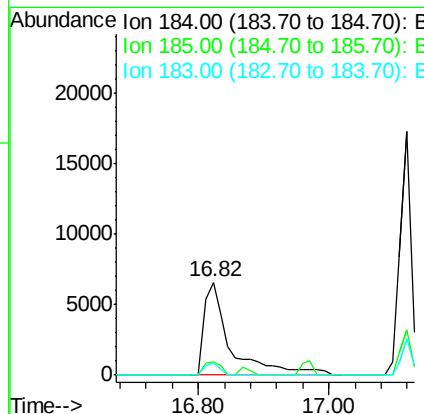
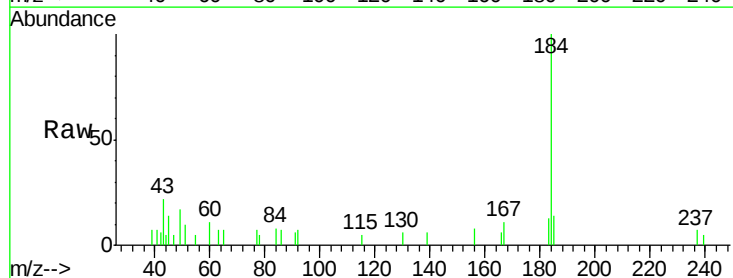
RT: 16.82 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion:	184	Resp:	18264
Ion Ratio	Lower	Upper	
184	100		
185	13.7	13.6	20.4
183	12.5	9.8	14.6





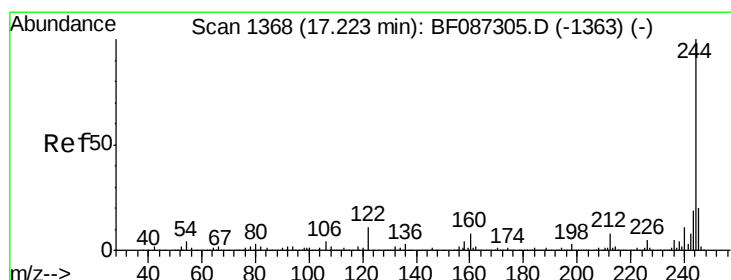
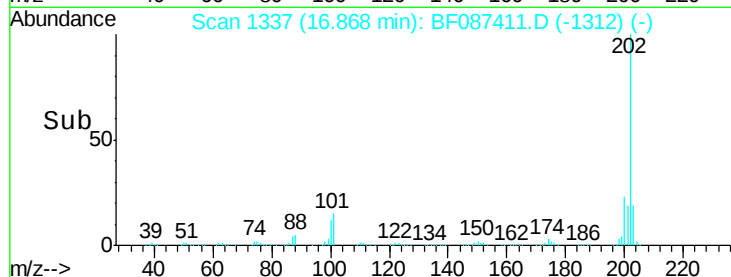
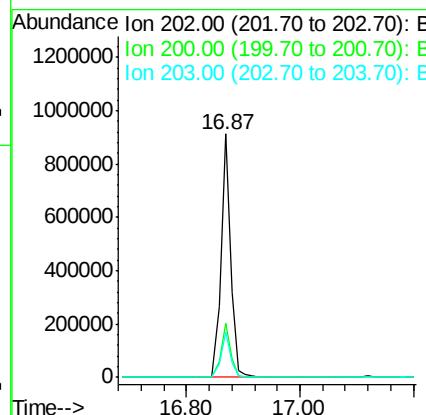
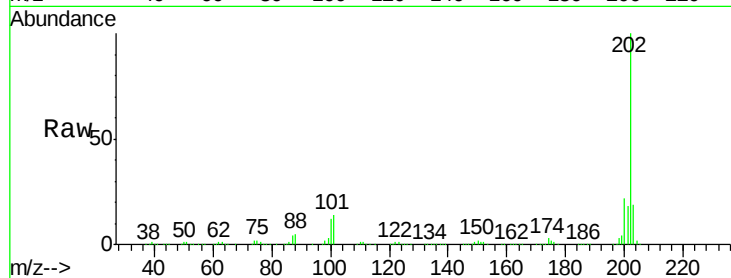
#77
Pvrene
Concen: 50.04 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.7	26.5
203	18.5	14.2	21.4

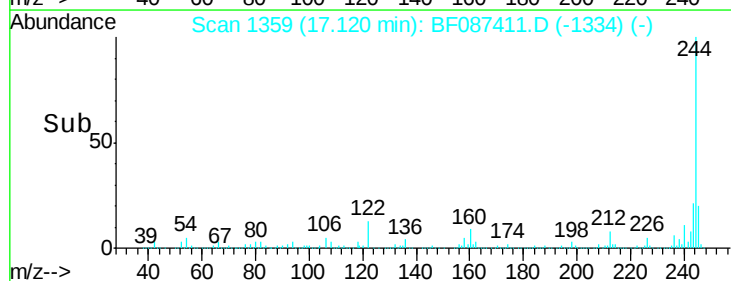
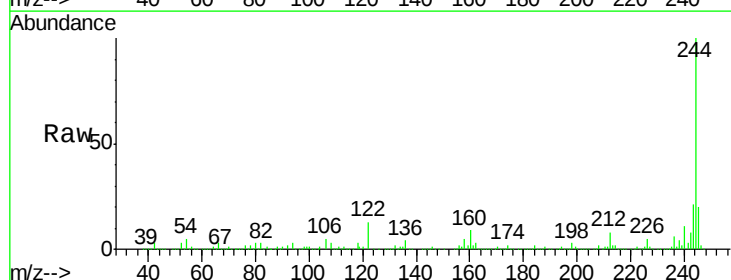
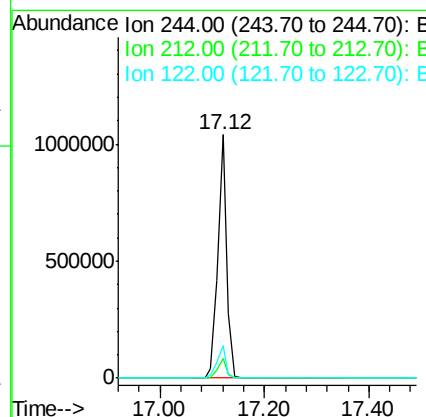
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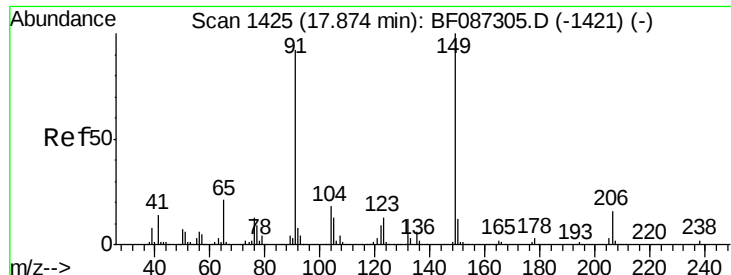
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#78
Terphenyl-d14
Concen: 88.40 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	13.2	12.0	18.0





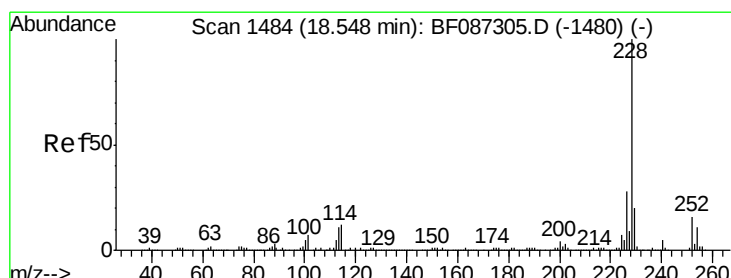
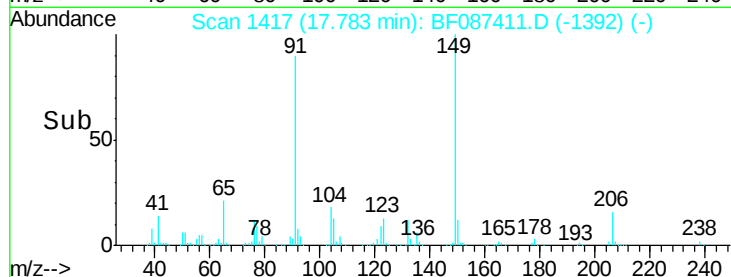
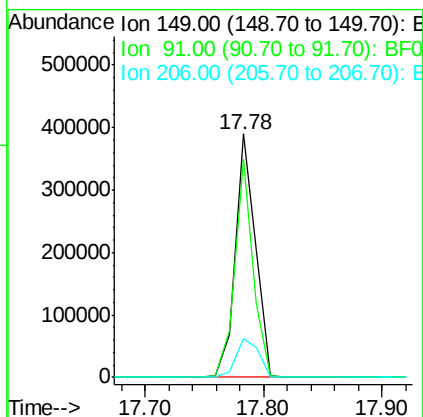
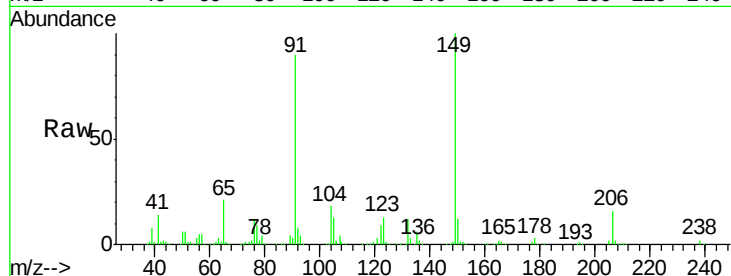
#79
Butylbenzylphthalate
Concen: 48.78 ng
RT: 17.78 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		460113		
91	89.7	48.0	72.0#		
206	16.1	15.8	23.6		

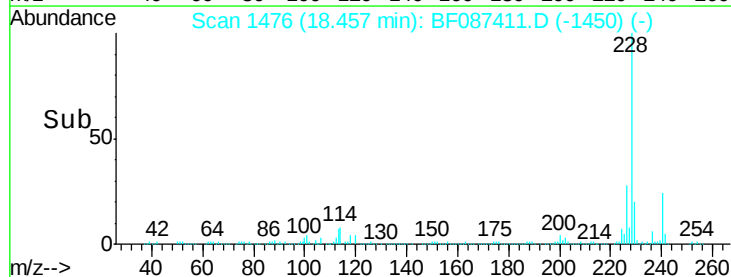
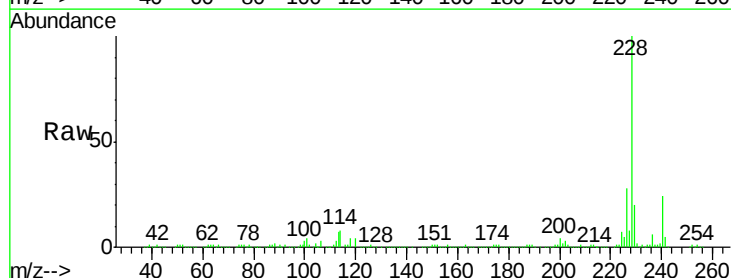
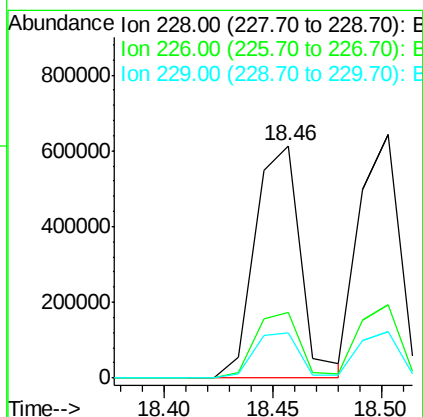
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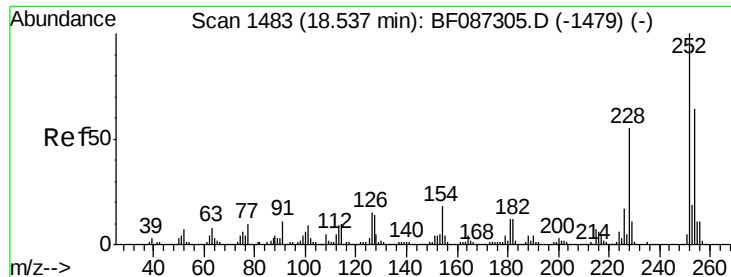
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#80
Benzo(a)anthracene
Concen: 53.32 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		896117		
226	28.1	22.5	33.7		
229	19.7	16.6	25.0		





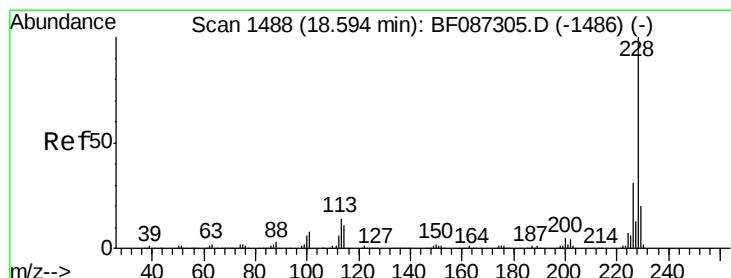
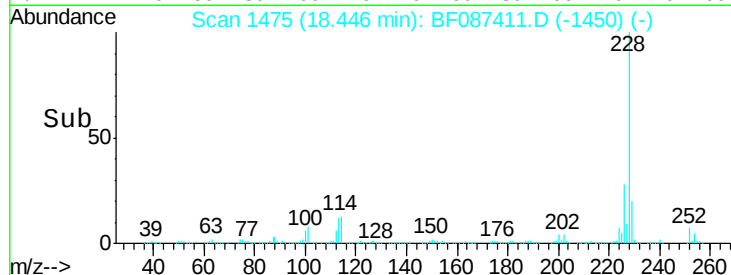
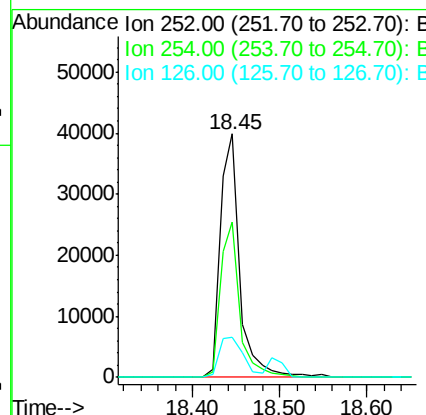
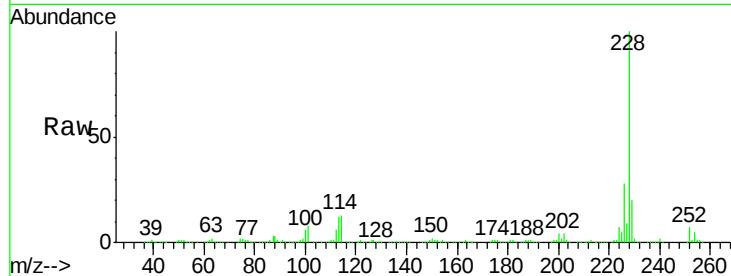
#81
 3,3'-Dichlorobenzidine
 Concen: 6.80 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.7	76.1
126	16.5	12.7	19.1

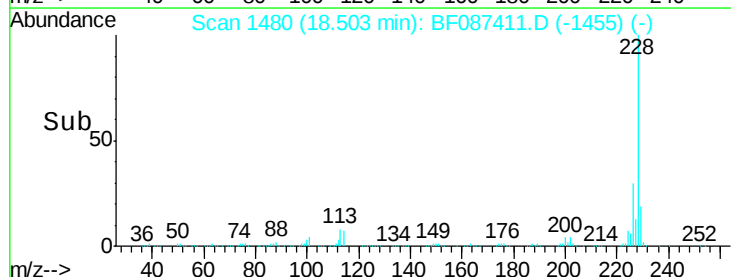
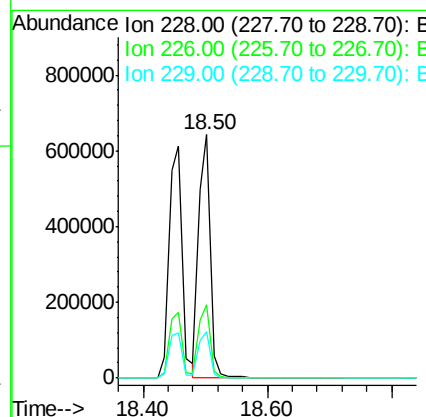
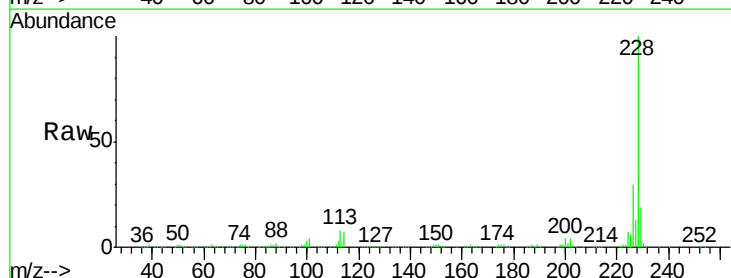
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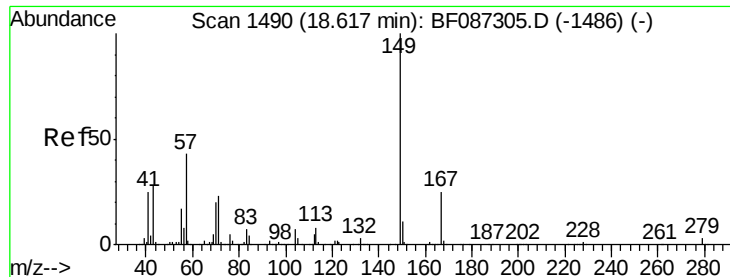
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#82
 Chrysene
 Concen: 50.54 ng
 RT: 18.50 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	19.3	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.96 ng

RT: 18.53 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Instrument :

BNA_F

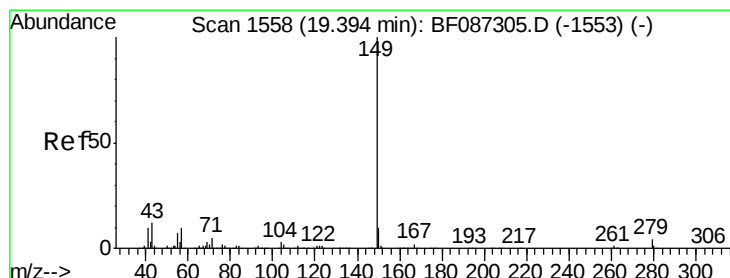
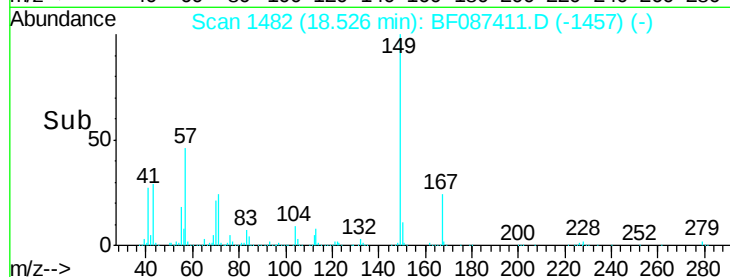
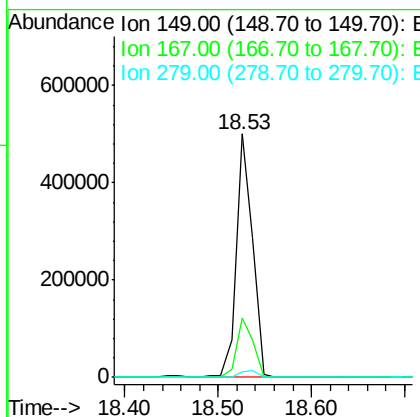
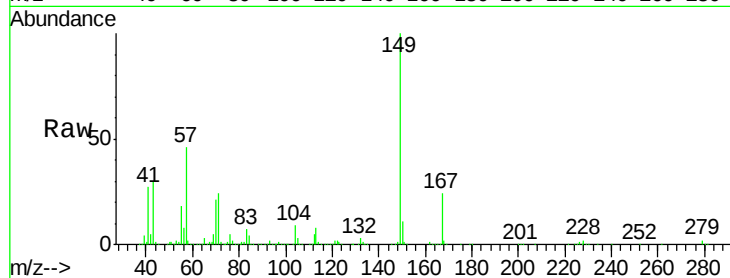
ClientSampleId :

CHS-STA-1711(0-4)MSD

Tot Ion:	149	Resp:	604966
Ion Ratio	Lower	Upper	
149	100		
167	24.3	21.8	32.6
279	2.4	2.6	4.0#

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 43.61 ng

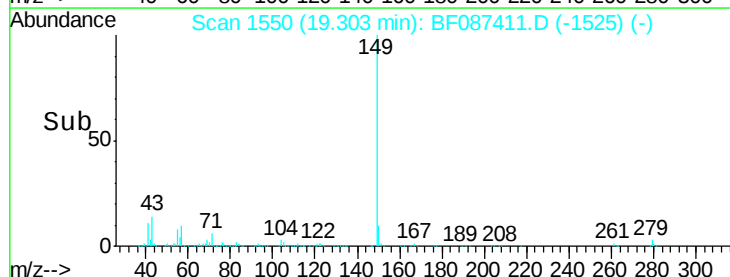
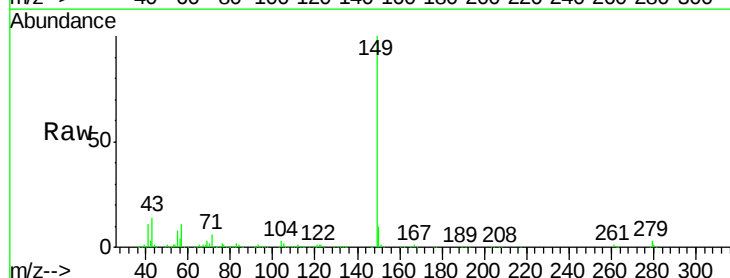
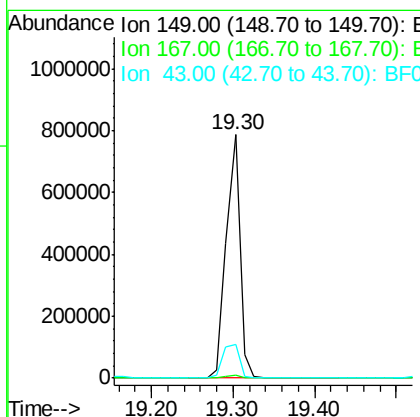
RT: 19.30 min Scan# 1550

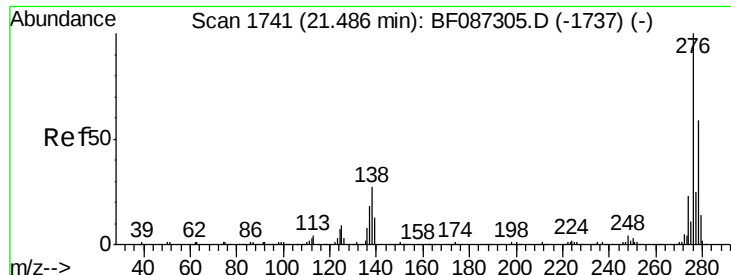
Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion:	149	Resp:	915237
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	16.7	8.2	12.4#





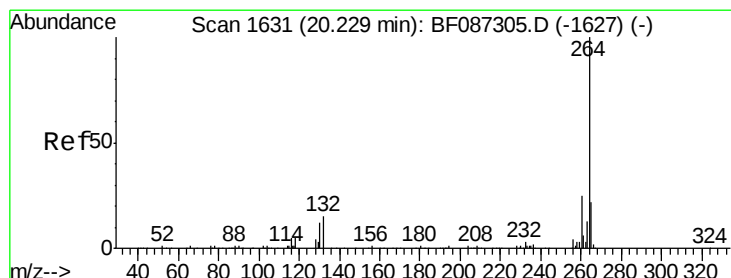
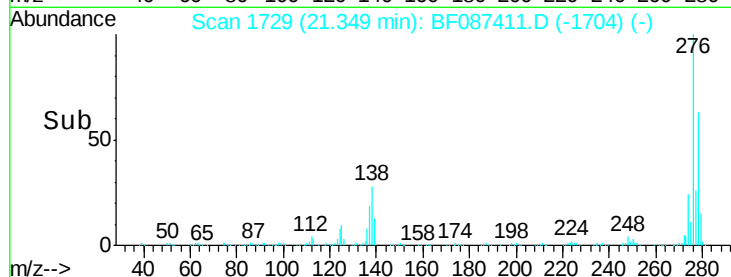
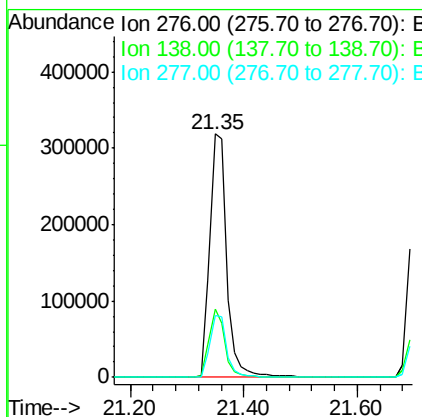
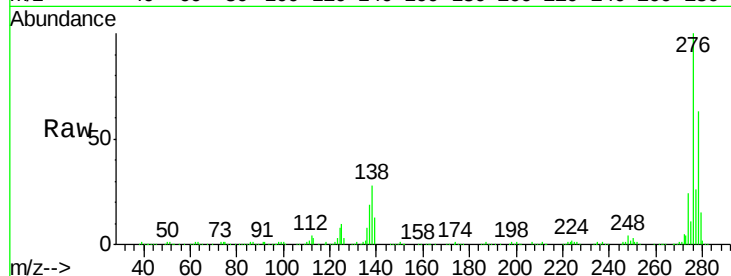
#85
Indeno(1,2,3-cd)pyrene
Concen: 48.43 ng
RT: 21.35 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.6	38.4
277	25.4	20.5	30.7

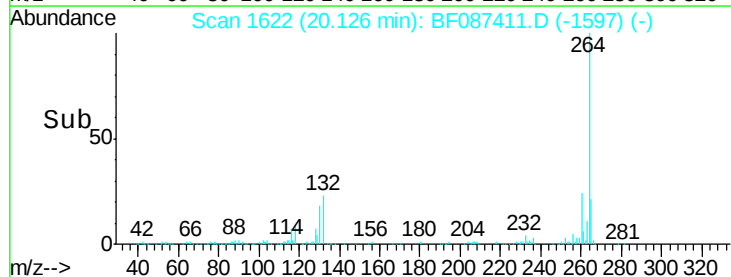
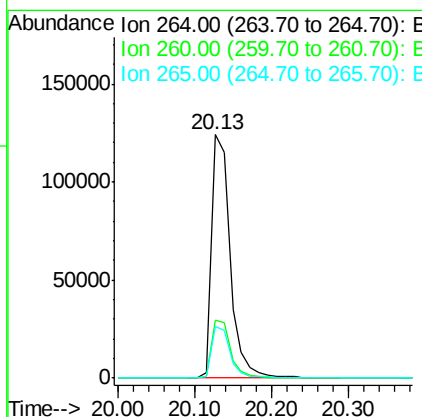
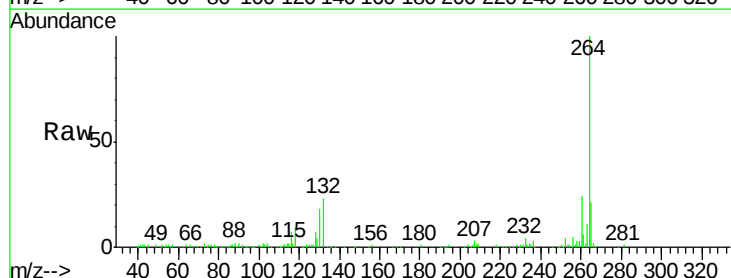
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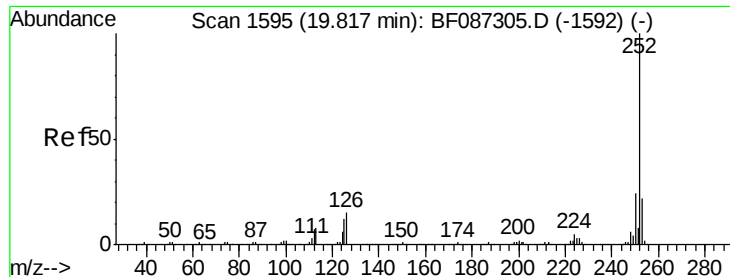
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.13 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 52.56 ng

RT: 19.73 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF087411.D

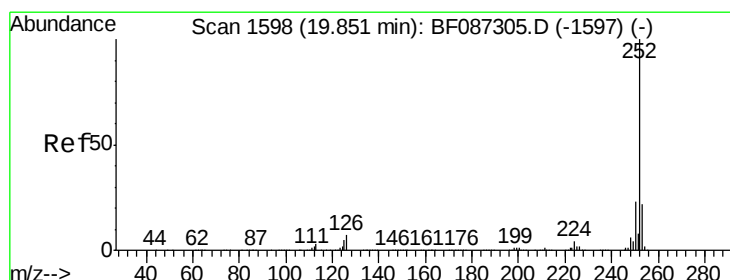
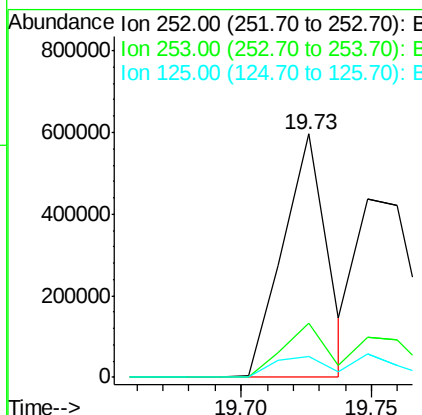
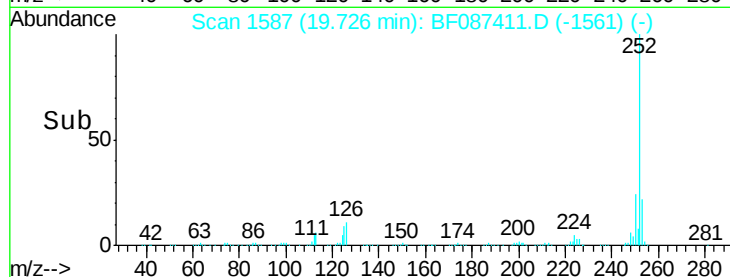
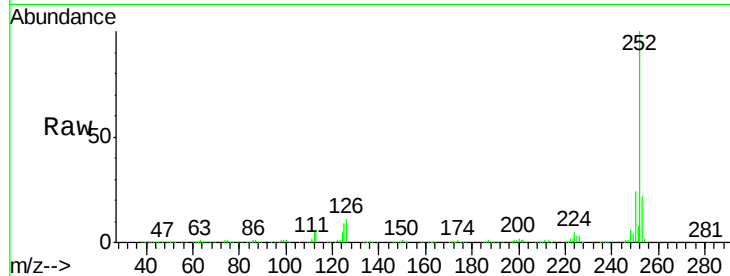
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.8	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 58.22 ng m

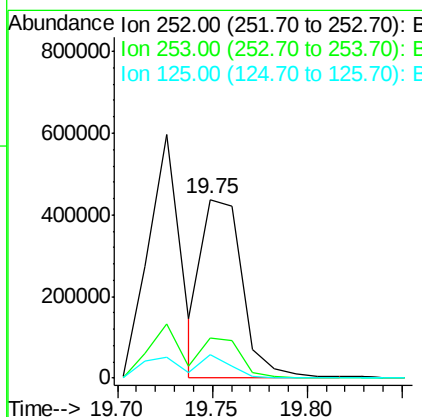
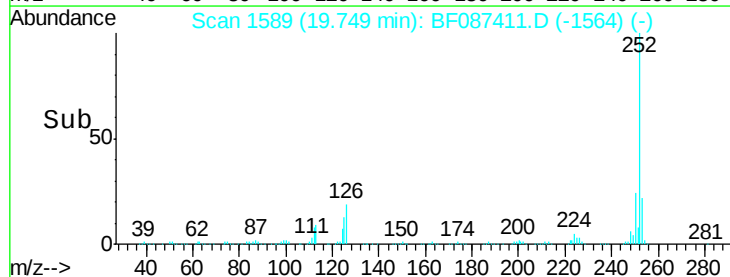
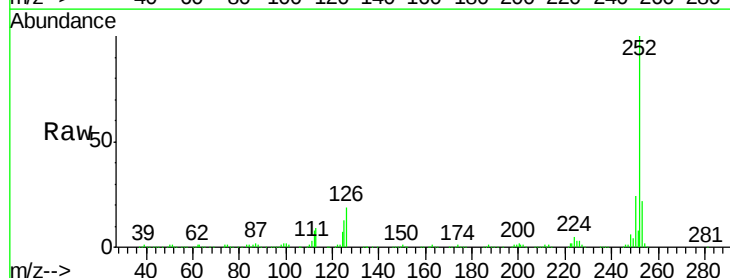
RT: 19.75 min Scan# 1589

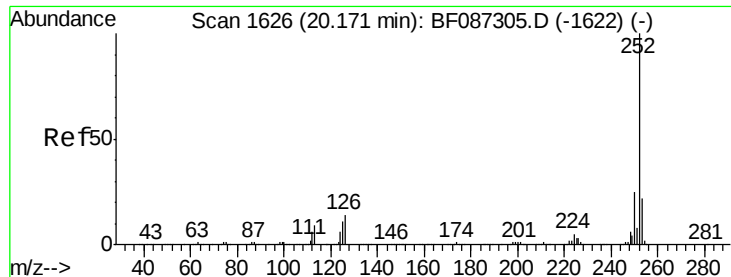
Delta R.T. -0.01 min

Lab File: BF087411.D

Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	13.5	9.1	13.7





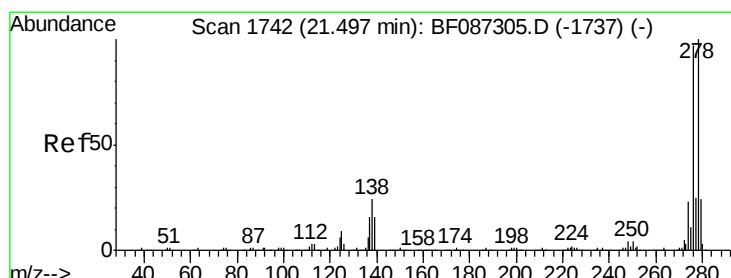
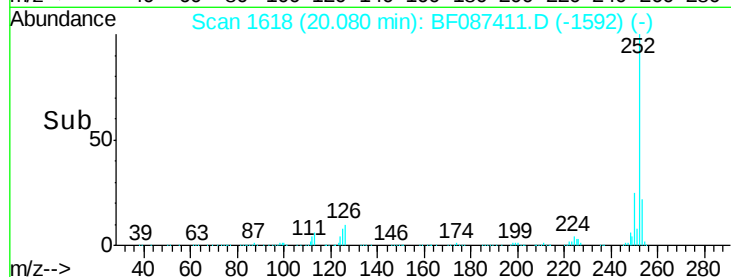
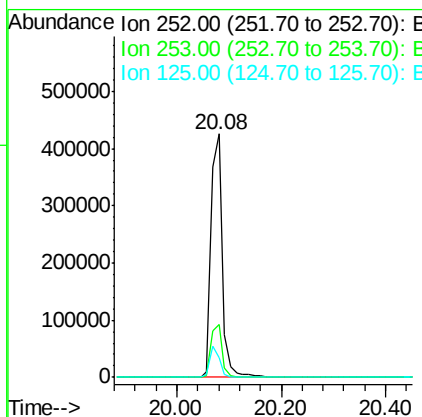
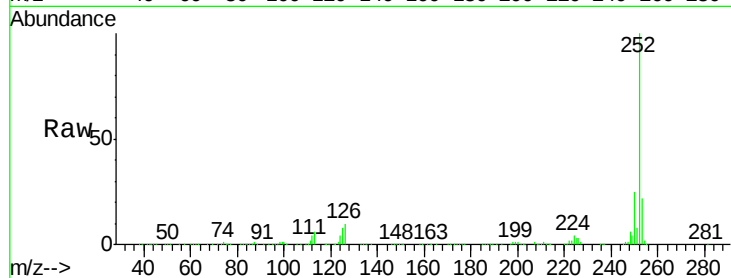
#89
Benzo(a)pyrene
Concen: 55.01 ng
RT: 20.08 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.1	9.0	13.6

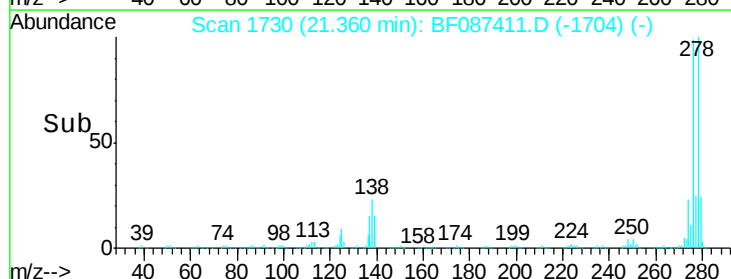
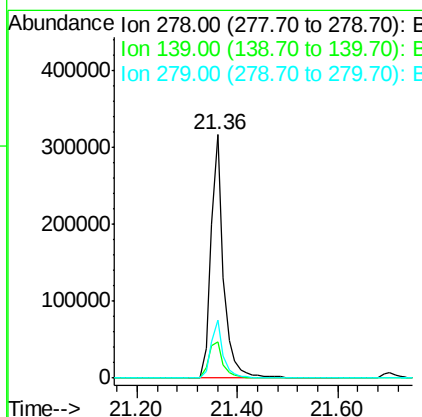
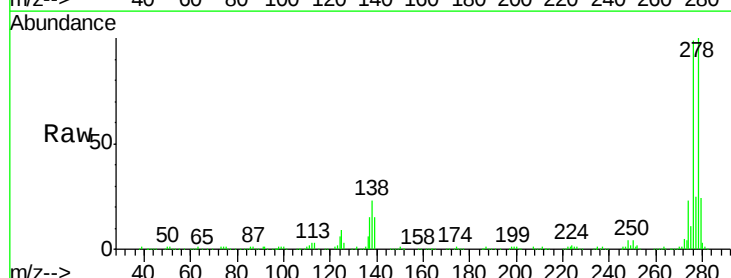
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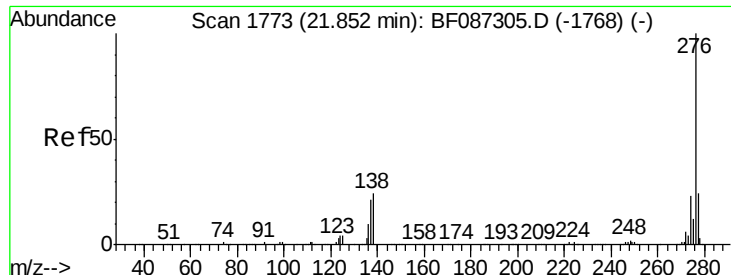
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#90
Dibenzo(a,h)anthracene
Concen: 55.99 ng
RT: 21.36 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BF087411.D
Acq: 26 May 2016 16:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.0	16.6	24.8
279	24.0	19.6	29.4





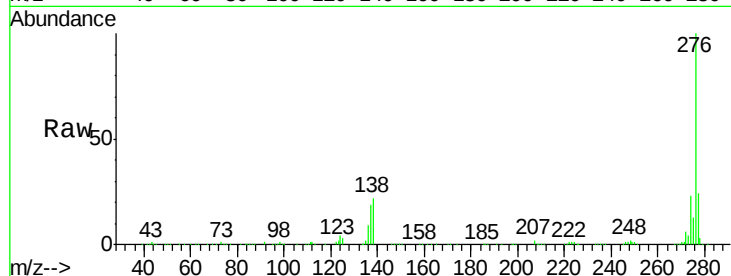
#91
 Benzo(a,h,i)perylene
 Concen: 56.38 ng
 RT: 21.70 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF087411.D
 Acq: 26 May 2016 16:37

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1711(0-4)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.6	29.4
138	21.6	23.6	35.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

