

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088363.D
 Acq On : 25 Jun 2016 7:15
 Operator : UM/SJ
 Sample : H3731-01MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Manual Integrations
 APPROVED

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 6/27/2016 8:13:42 PM

Quant Time: Jun 27 02:14:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	68380	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	267311	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	114525	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	180912	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	140199	20.00	ng	-0.03
86) Perylene-d12	15.07	264	111458	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	470095	117.53	ng	0.01
7) Phenol-d6	6.25	99	546486	112.73	ng	-0.01
23) Nitrobenzene-d5	7.16	82	382615	83.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	130983	108.32	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	706341	97.72	ng	-0.02
78) Terphenyl-d14	12.67	244	529791	85.99	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.15	88	59792	30.76	ng	# 87
3) Pyridine	2.84	79	27599	6.01	ng	95
4) n-Nitrosodimethylamine	2.73	42	26960	13.87	ng	# 80
6) Aniline	6.28	93	30545	4.43	ng	# 1
8) 2-Chlorophenol	6.38	128	99471	21.01	ng	91
9) Benzaldehyde	6.14	77	48736	12.40	ng	98
10) Phenol	6.27	94	106884	19.97	ng	92
11) bis(2-Chloroethyl)ether	6.33	93	99269	23.35	ng	86
12) 1,3-Dichlorobenzene	6.52	146	93543m	18.42	ng	
13) 1,4-Dichlorobenzene	6.60	146	102985	20.13	ng	97
14) 1,2-Dichlorobenzene	6.75	146	102528	22.03	ng	96
15) Benzyl Alcohol	6.75	79	71022	18.73	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.88	45	104771	18.24	ng	# 27
17) 2-Methylphenol	6.88	107	69377	18.07	ng	# 85
18) Hexachloroethane	7.08	117	32343	17.81	ng	# 83
19) n-Nitroso-di-n-propylamine	7.02	70	69199	22.31	ng	# 81
20) 3+4-Methylphenols	7.04	107	89812	20.05	ng	# 82
22) Acetophenone	7.00	105	143925	24.09	ng	# 97
24) Nitrobenzene	7.18	77	93671	21.12	ng	89
25) Isophorone	7.42	82	176470	20.81	ng	100
26) 2-Nitrophenol	7.50	139	51431	21.65	ng	# 87
27) 2,4-Dimethylphenol	7.55	122	88514	20.24	ng	96
28) bis(2-Chloroethoxy)methane	7.63	93	121859	23.17	ng	# 95
29) 2,4-Dichlorophenol	7.76	162	83267	22.80	ng	95
30) 1,2,4-Trichlorobenzene	7.82	180	84004	21.13	ng	98
31) Naphthalene	7.90	128	322428	24.37	ng	98
32) Benzoic acid	7.70	122	34914	14.50	ng	86
33) 4-Chloroaniline	7.98	127	38616	6.54	ng	99
34) Hexachlorobutadiene	8.01	225	45672	21.78	ng	97
35) Caprolactam	8.32	113	19508	16.13	ng	93
36) 4-Chloro-3-methylphenol	8.46	107	86593	22.17	ng	91
37) 2-Methylnaphthalene	8.58	142	197543	22.66	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	76209	21.54	ng	# 1
42) 2,4,6-Trichlorophenol	8.88	196	48327	21.10	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.92	196	55338	23.22	ng	95
45) 1,1'-Biphenyl	9.05	154	235007	24.51	ng	96
46) 2-Chloronaphthalene	9.07	162	175106	23.63	ng	93
47) 2-Nitroaniline	9.18	65	49194	22.50	ng	94
48) Acenaphthylene	9.47	152	266115	22.57	ng	99
49) Dimethylphthalate	9.36	163	213455	25.73	ng	98
50) 2,6-Dinitrotoluene	9.42	165	43106	22.69	ng	# 65
51) Acenaphthene	9.64	154	161767	22.00	ng	99
52) 3-Nitroaniline	9.60	138	25436	11.60	ng	87
53) 2,4-Dinitrophenol	9.72	184	15672	20.41	ng	88
54) Dibenzofuran	9.82	168	240729	23.77	ng	# 82
55) 4-Nitrophenol	9.82	139	159386	93.67	ng	# 18
56) 2,4-Dinitrotoluene	9.83	165	55997	22.93	ng	# 78
57) Fluorene	10.16	166	182476	24.46	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.95	232	43625	23.30	ng	# 62
59) Diethylphthalate	10.04	149	200640	23.89	ng	96
60) 4-Chlorophenyl-phenylether	10.16	204	85248	25.31	ng	95
61) 4-Nitroaniline	10.20	138	38340	18.44	ng	97
62) Azobenzene	10.32	77	191345	23.04	ng	91
64) 4,6-Dinitro-2-methylphenol	10.24	198	8373	9.24	ng	83
65) n-Nitrosodiphenylamine	10.28	169	162388	27.05	ng	100
66) 4-Bromophenyl-phenylether	10.64	248	49428	25.47	ng	# 78
67) Hexachlorobenzene	10.71	284	48290	23.95	ng	# 78
68) Atrazine	10.81	200	40057	22.04	ng	92
69) Pentachlorophenol	10.91	266	53790	50.60	ng	98
70) Phenanthrene	11.12	178	223403	23.53	ng	98
71) Anthracene	11.16	178	254771	26.61	ng	98
72) Carbazole	11.34	167	215550	24.05	ng	97
73) Di-n-butylphthalate	11.67	149	291883	25.73	ng	# 97
74) Fluoranthene	12.30	202	228910	22.85	ng	97
76) Benzidine	12.43	184	54622	14.07	ng	99
77) Pyrene	12.53	202	223457	21.48	ng	97
79) Butylbenzylphthalate	13.14	149	105880	23.02	ng	# 78
80) Benzo(a)anthracene	13.70	228	189913	23.77	ng	98
81) 3,3'-Dichlorobenzidine	13.68	252	51587	24.01	ng	# 99
82) Chrysene	13.75	228	196347	26.12	ng	97
83) Bis(2-ethylhexyl)phthalate	13.71	149	145911	26.06	ng	# 97
84) Di-n-octyl phthalate	14.32	149	265876	29.22	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.32	276	135829	19.45	ng	# 100
87) Benzo(b)fluoranthene	14.71	252	166585m	21.44	ng	
88) Benzo(k)fluoranthene	14.73	252	168692m	28.79	ng	
89) Benzo(a)pyrene	15.02	252	150678	23.97	ng	99
90) Dibenzo(a,h)anthracene	16.32	278	115896	19.85	ng	96
91) Benzo(g,h,i)perylene	16.70	276	109787	18.28	ng	97

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

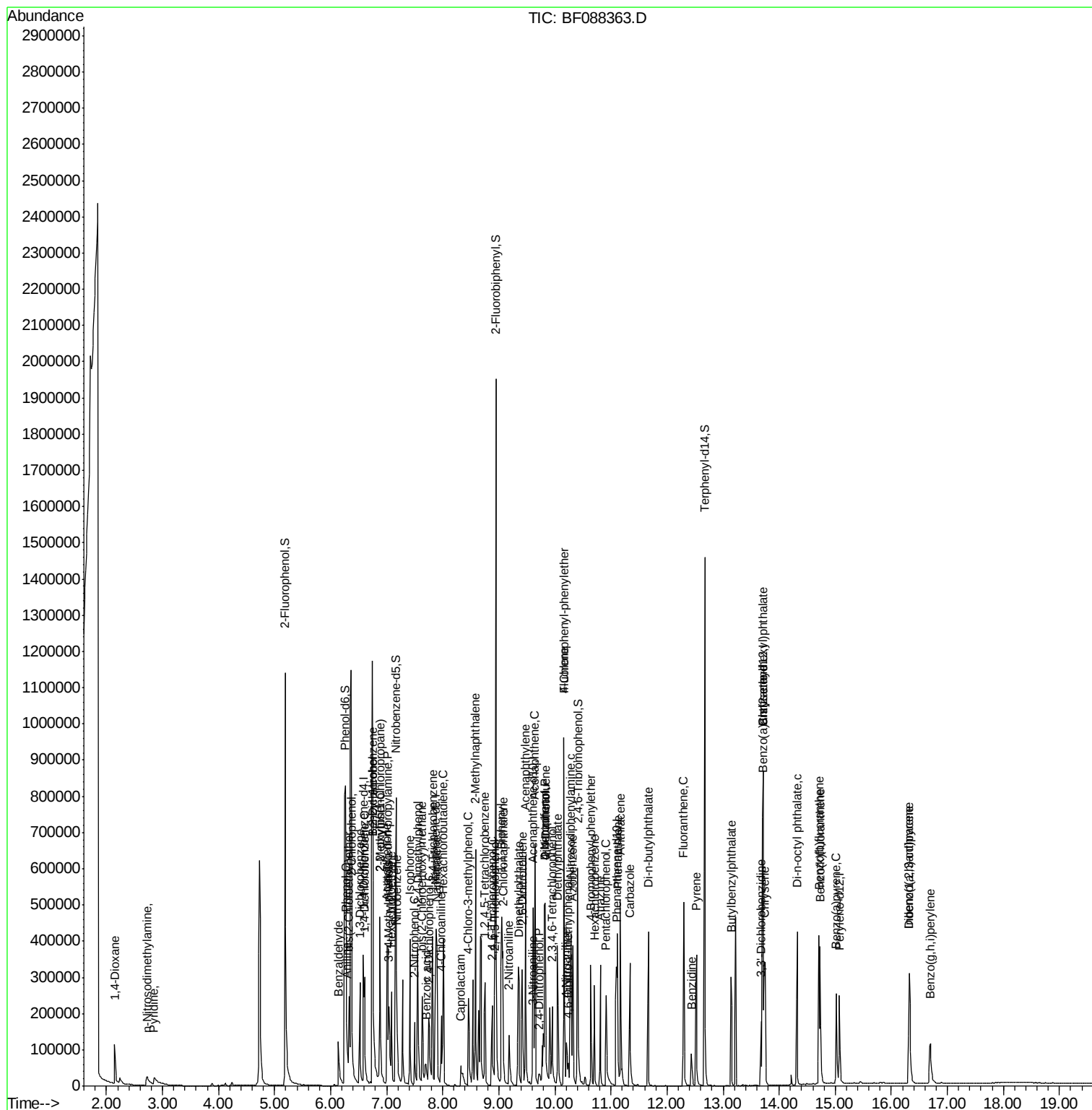
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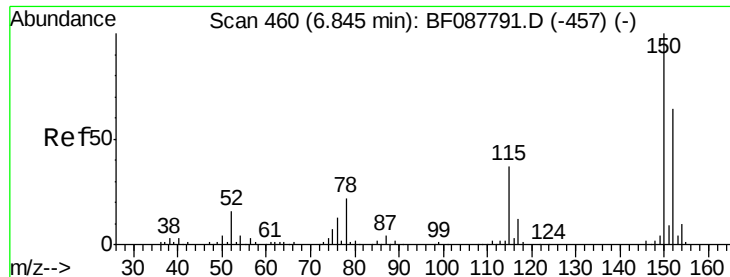
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#1

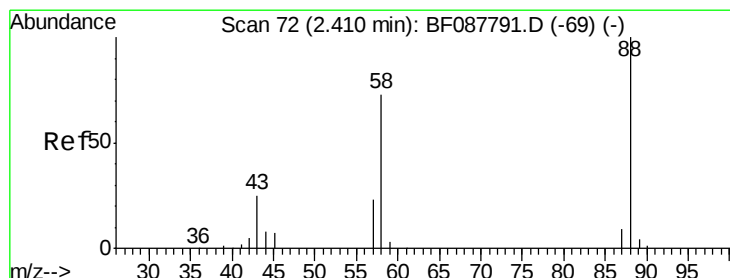
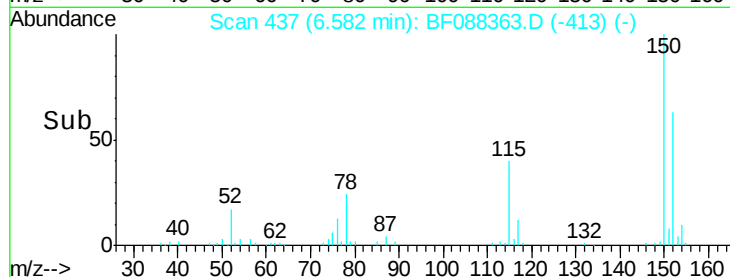
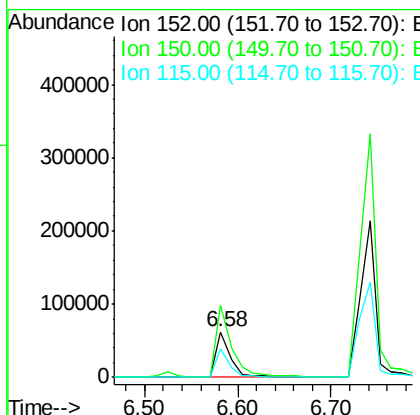
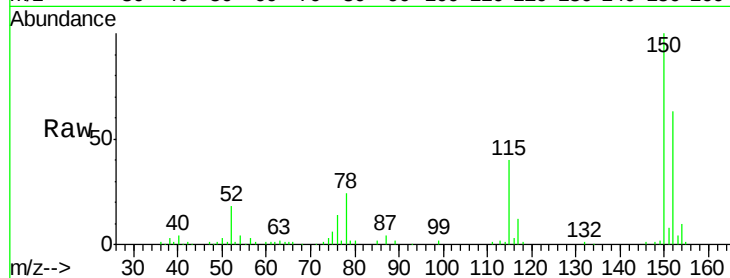
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.8	185.6
115	63.2	39.6	59.4

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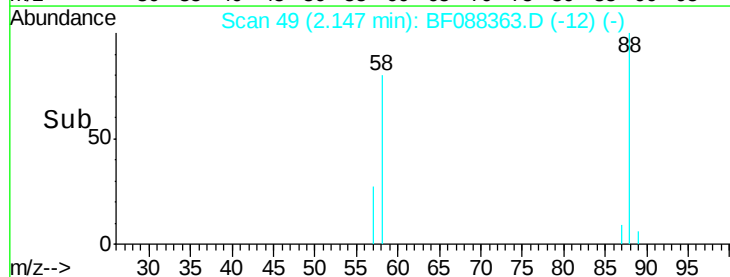
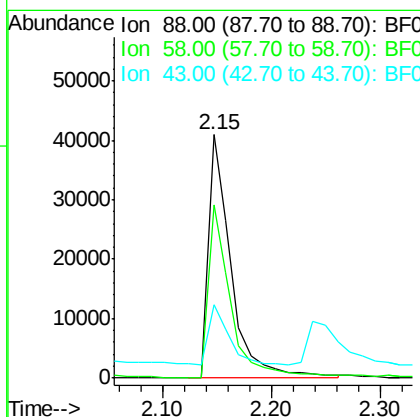
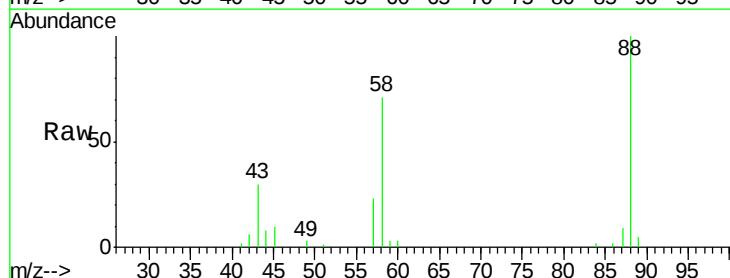
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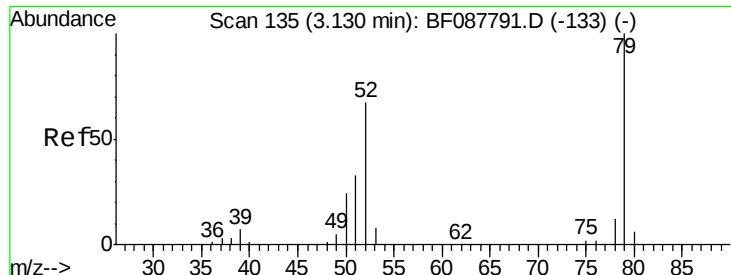


#2

1,4-Dioxane
Concen: 30.76 ng
RT: 2.15 min Scan# 49
Delta R.T. 0.13 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.1	0.0	0.0
43	0.0	3.4	5.2





#3

Pyridine

Concen: 6.01 ng

RT: 2.84 min Scan# 110

Delta R.T. 0.17 min

Lab File: BF088363.D

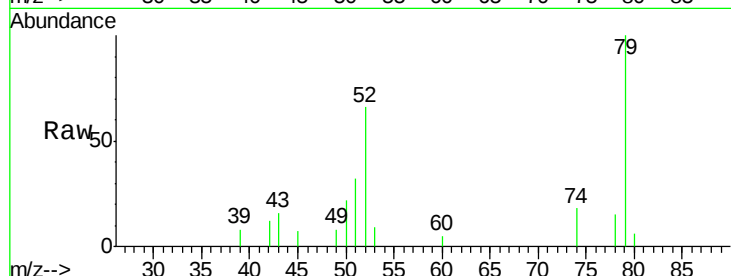
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

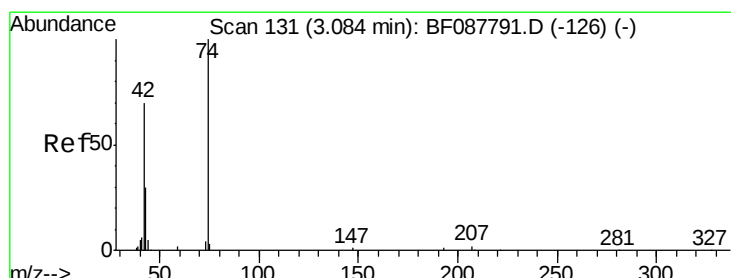
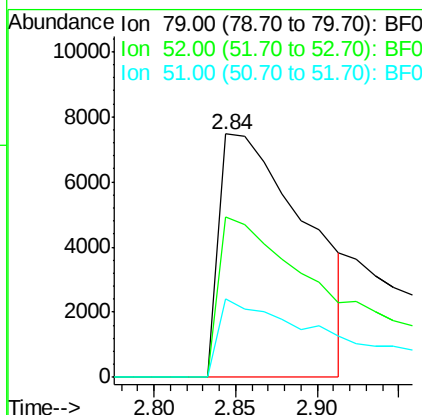
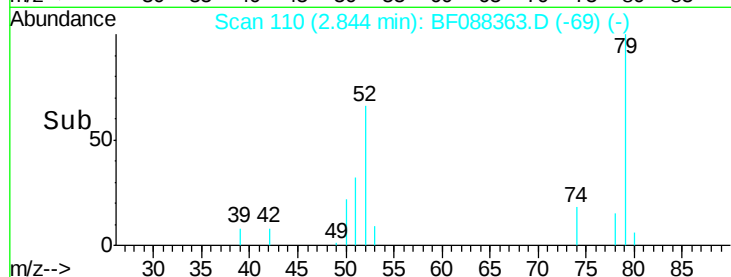
HSR-WC-55-062216MSD



Tgt Ion:	79	Resp:	27599
Ion	Ratio	Lower	Upper
79	100		
52	65.8	56.3	84.5
51	32.4	27.4	41.2

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#4

n-Nitrosodimethylamine

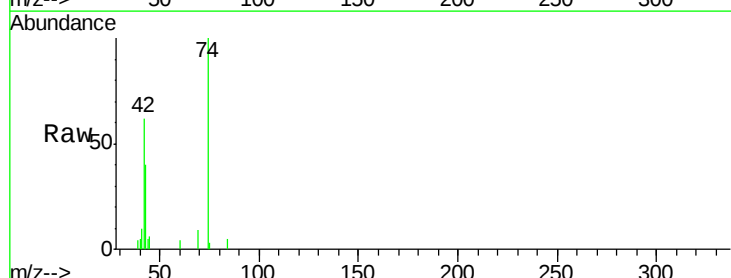
Concen: 13.87 ng

RT: 2.73 min Scan# 100

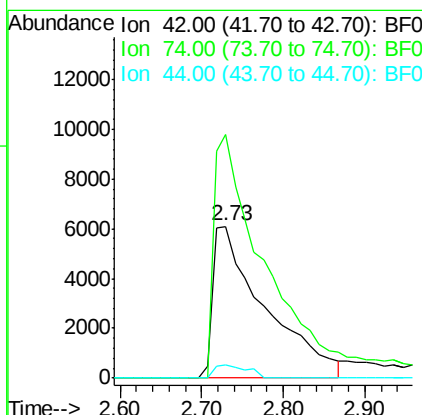
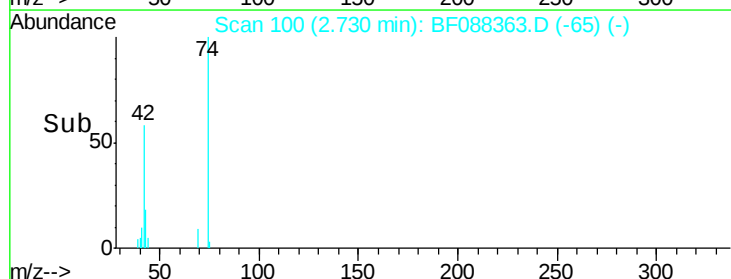
Delta R.T. 0.10 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15



Tgt Ion:	42	Resp:	26960
Ion	Ratio	Lower	Upper
42	100		
74	160.5	108.6	163.0
44	8.5	5.5	8.3#





#5

2-Fluorophenol

Concen: 117.53 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

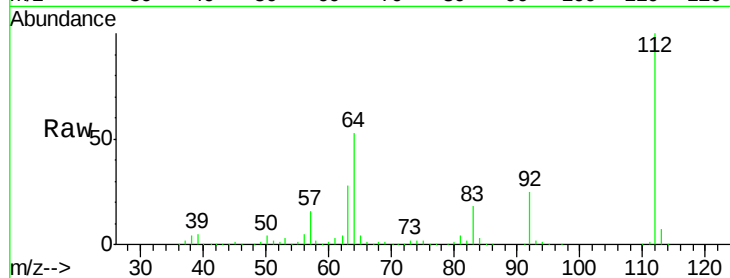
ClientSampleId :

HSR-WC-55-062216MSD

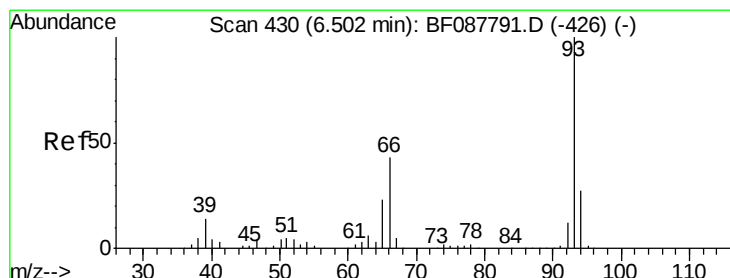
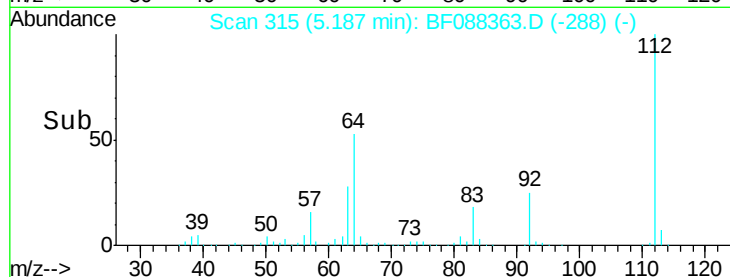
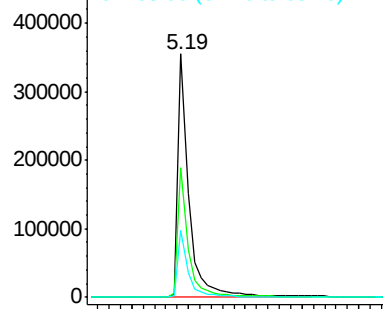
Tgt Ion:	112	Resp:	470095
Ion Ratio	Lower	Upper	
112	100		
64	53.3	42.2	63.2
63	27.6	21.8	32.8

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Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 4.43 ng

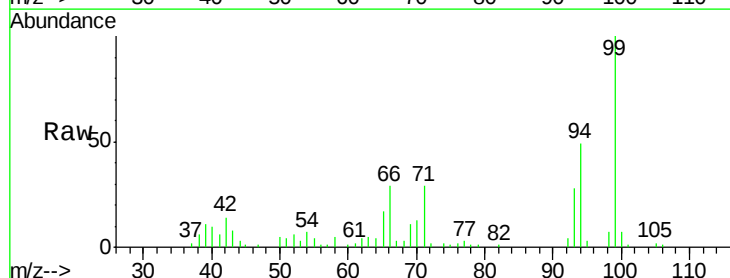
RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

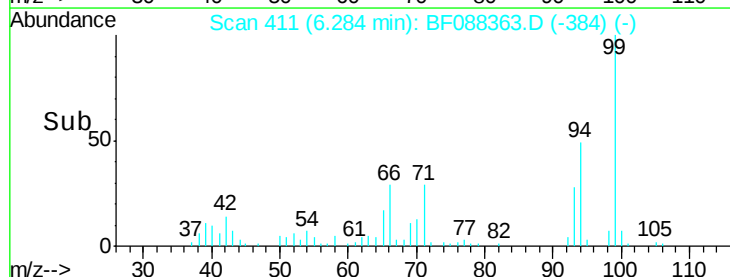
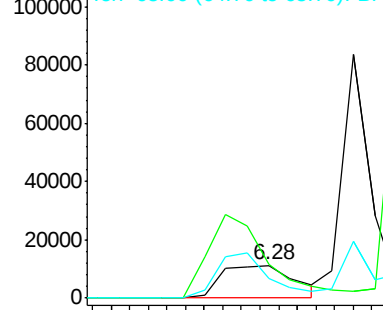
Lab File: BF088363.D

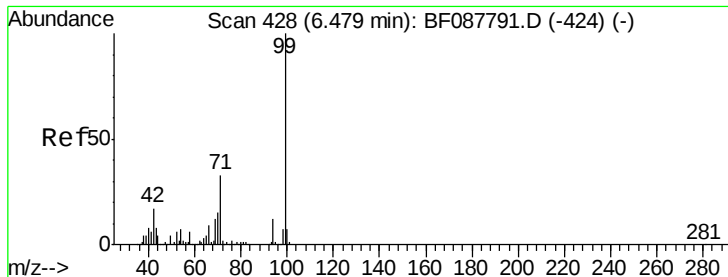
Acq: 25 Jun 2016 7:15

Tgt Ion:	93	Resp:	30545
Ion Ratio	Lower	Upper	
93	100		
66	103.0	29.8	44.8#
65	59.7	14.9	22.3#



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 112.73 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

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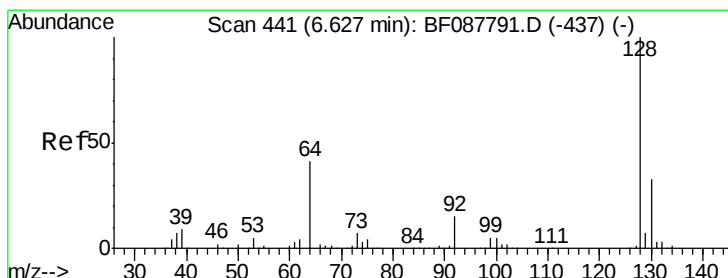
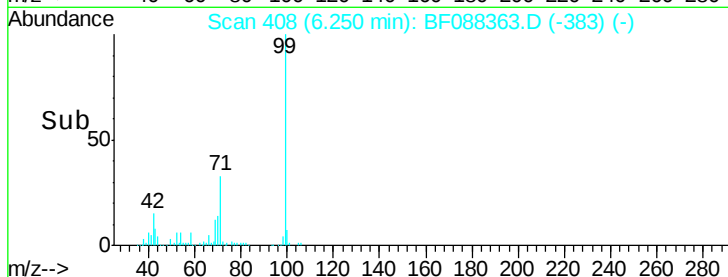
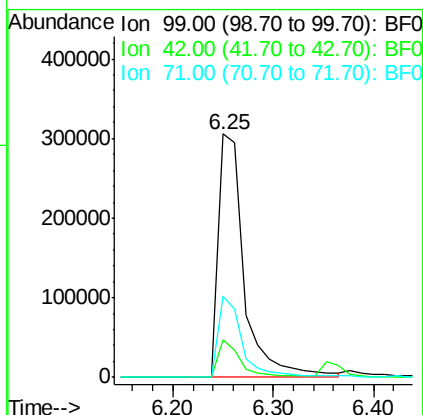
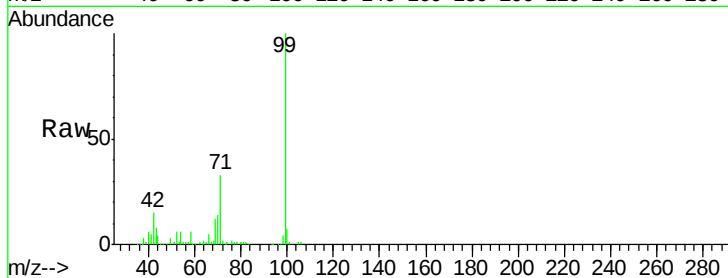
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Tgt Ion	Ratio	Resp	Lower	Upper
99	100	546486		
42	15.4	12.2	18.2	
71	33.4	23.4	35.0	



#8

2-Chlorophenol

Concen: 21.01 ng

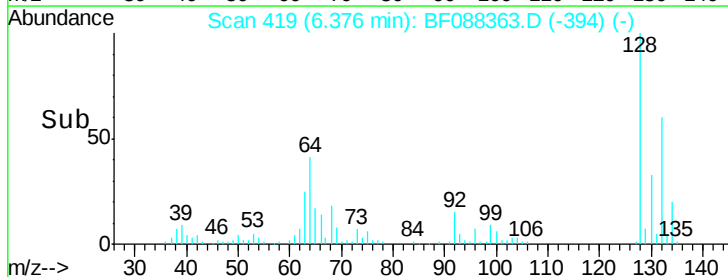
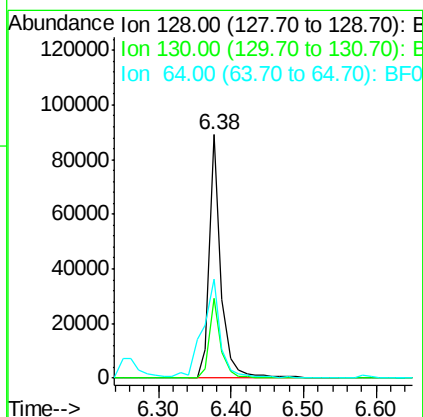
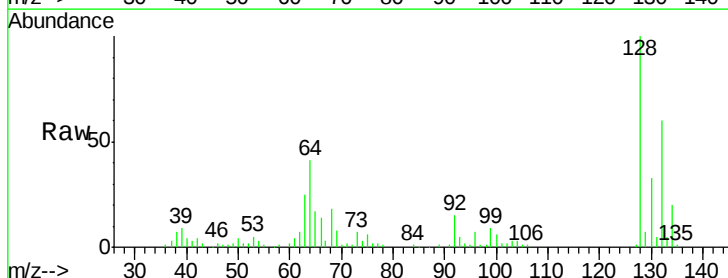
RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088363.D

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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	99471		
130	32.7	12.0	52.0	
64	40.7	30.8	70.8	





#9

Benzaldehyde

Concen: 12.40 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

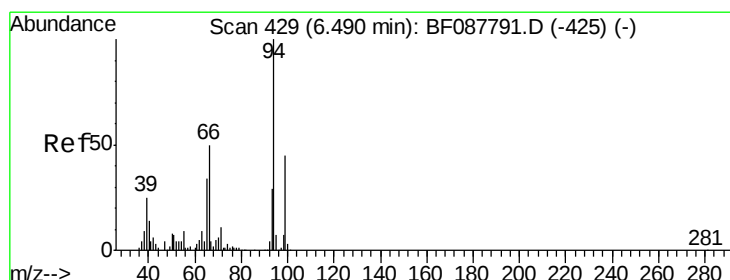
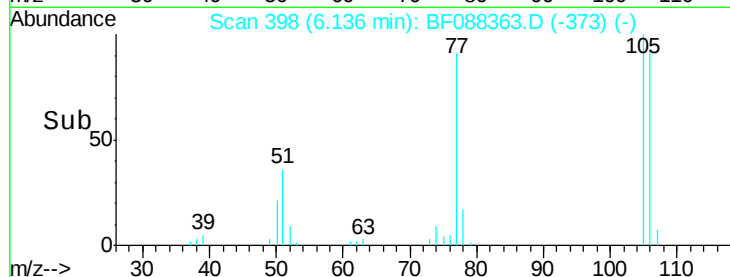
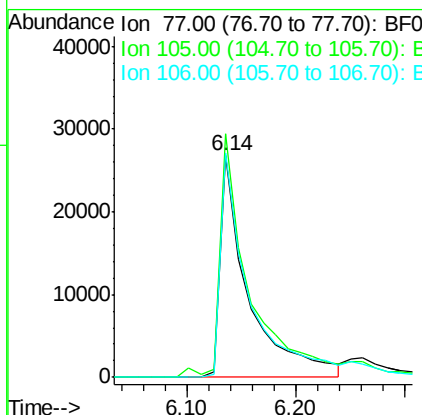
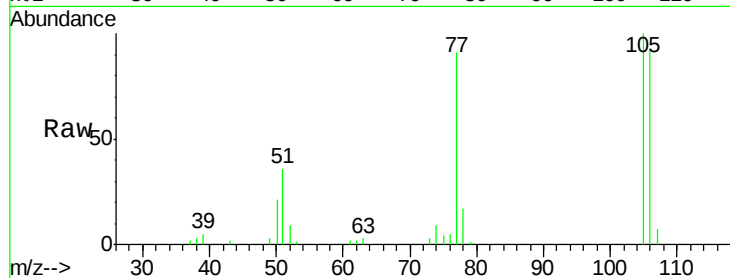
ClientSampleId :

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Tgt Ion:	77	Resp:	48736
Ion Ratio	Lower	Upper	
77	100		
105	109.8	90.6	130.6
106	101.3	85.3	125.3

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#10

Phenol

Concen: 19.97 ng

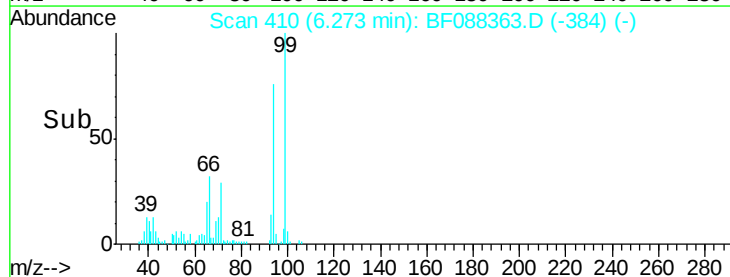
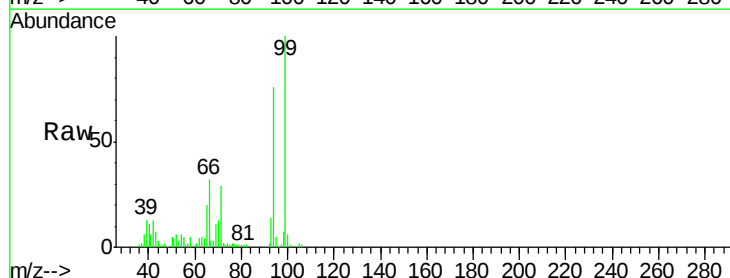
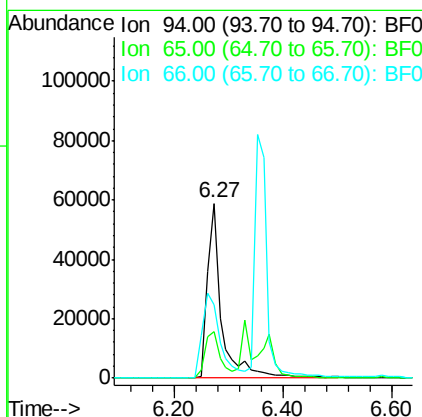
RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion:	94	Resp:	106884
Ion Ratio	Lower	Upper	
94	100		
65	26.6	5.9	45.9
66	41.8	14.0	54.0





#11

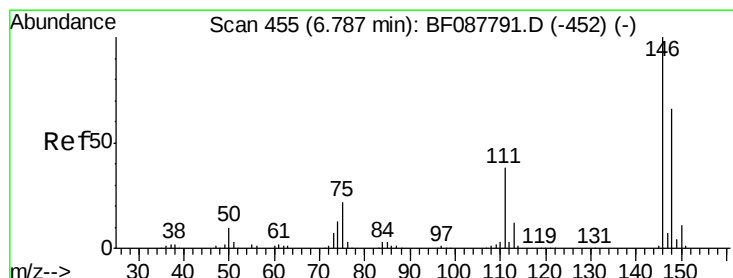
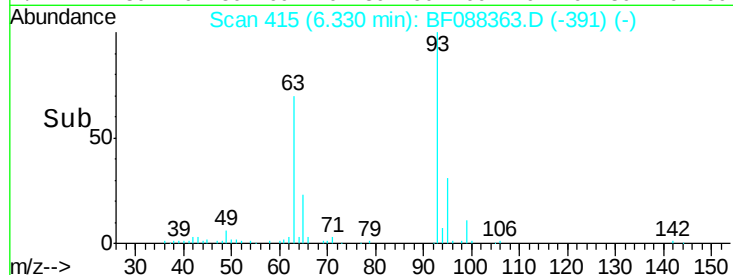
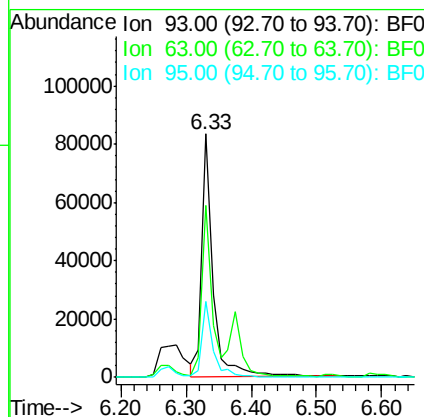
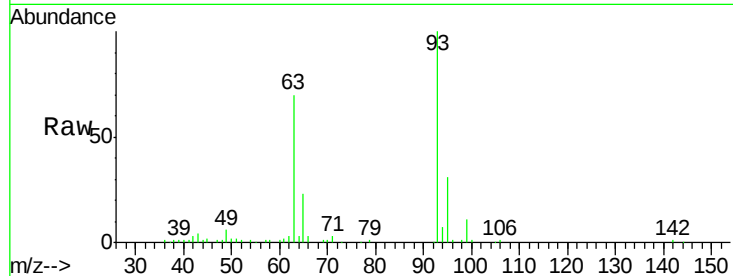
bis(2-Chloroethyl)ether
 Concen: 23.35 ng
 RT: 6.33 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion:	93	Resp:	99269
Ion Ratio	Lower	Upper	
93	100		
63	70.4	67.6	107.6
95	31.0	12.5	52.5

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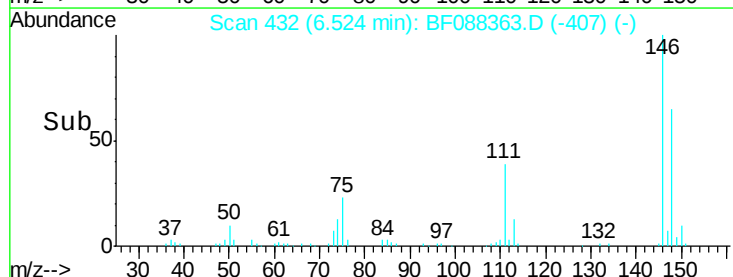
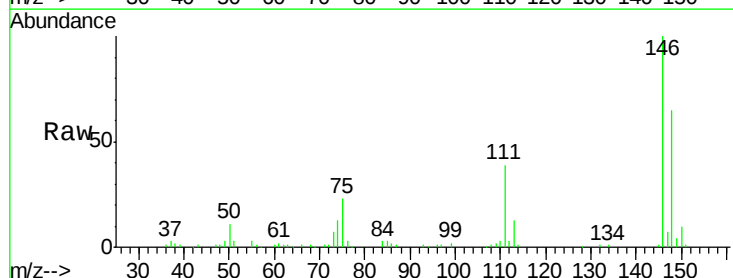
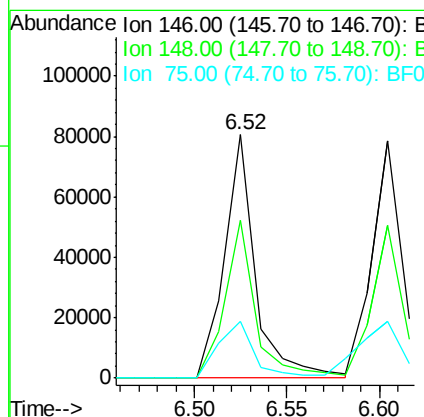
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#12

1,3-Dichlorobenzene
 Concen: 18.42 ng m
 RT: 6.52 min Scan# 432
 Delta R.T. -0.01 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion:	146	Resp:	93543
Ion Ratio	Lower	Upper	
146	100		
148	65.0	50.9	76.3
75	23.4	25.6	38.4#





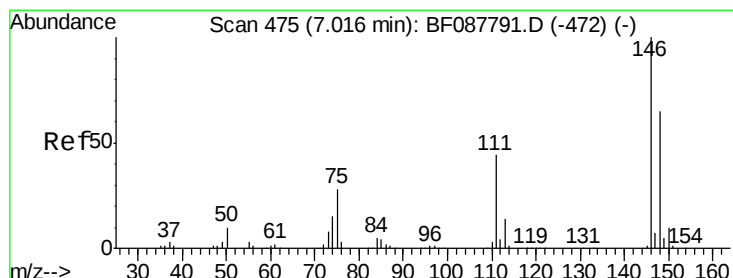
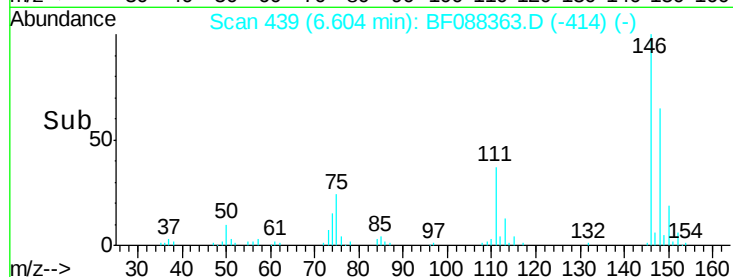
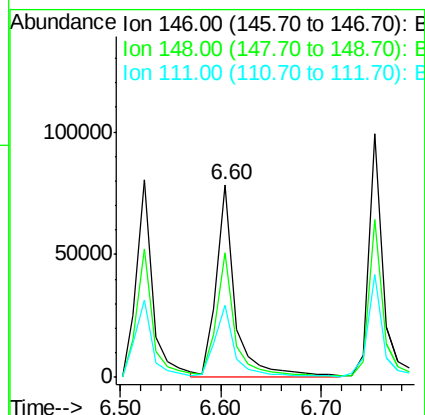
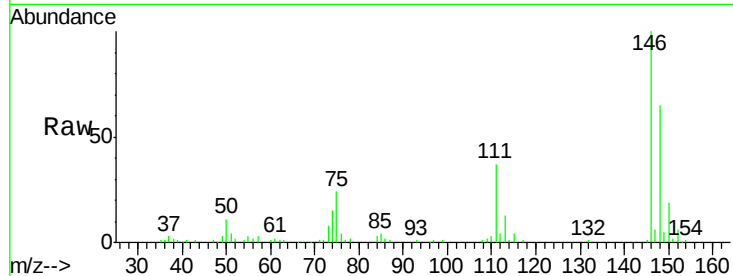
#13
1,4-Dichlorobenzene
Concen: 20.13 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.0	78.0
111	37.2	33.8	50.8

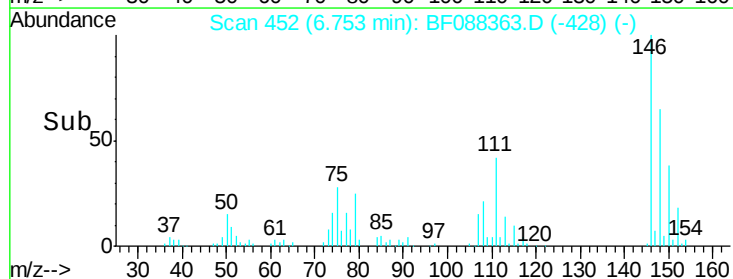
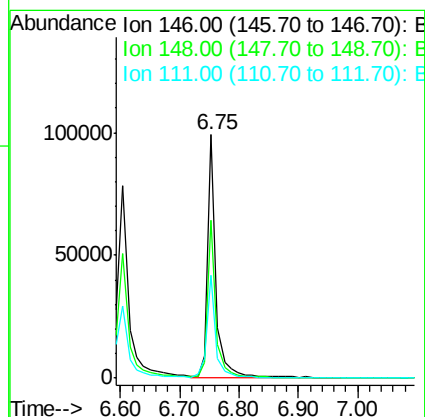
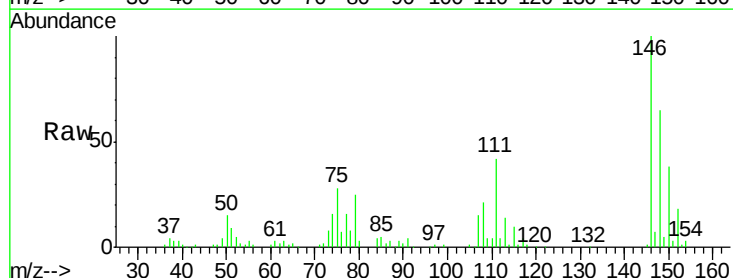
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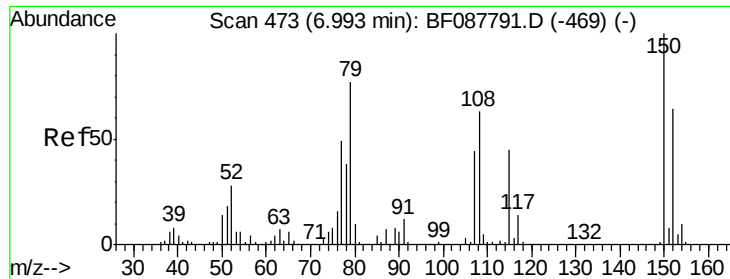
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#14
1,2-Dichlorobenzene
Concen: 22.03 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.3	78.5
111	42.5	28.7	43.1





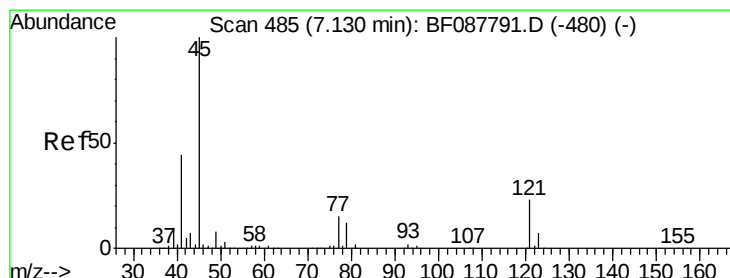
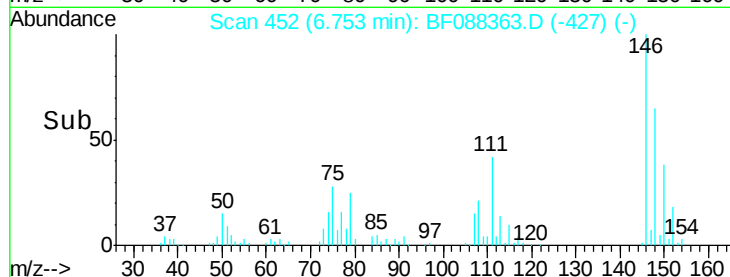
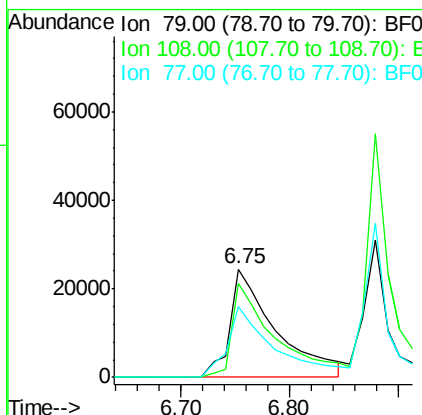
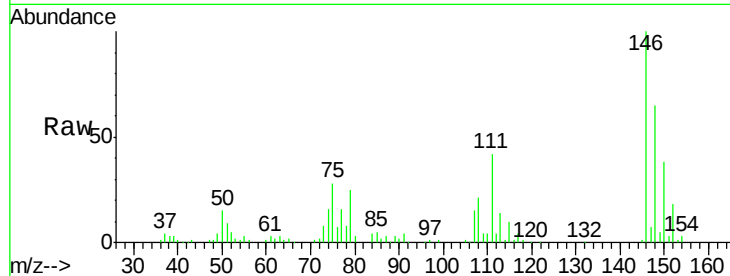
#15
Benzyl Alcohol
Concen: 18.73 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
108	86.4	65.0	97.6
77	65.3	50.3	75.5

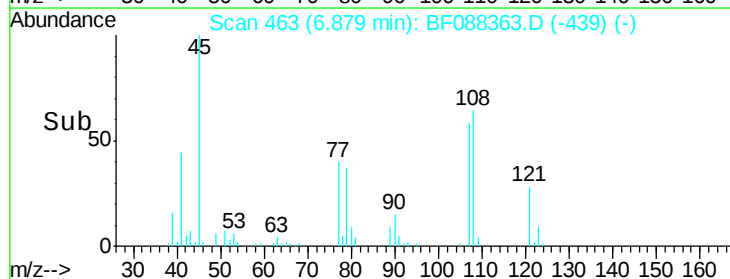
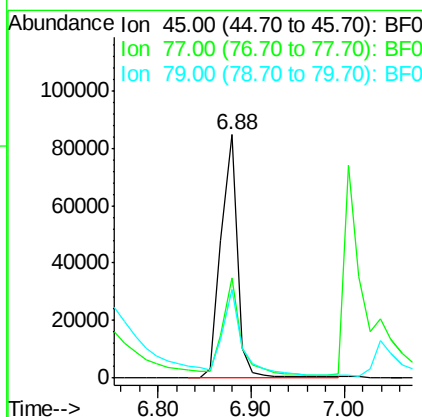
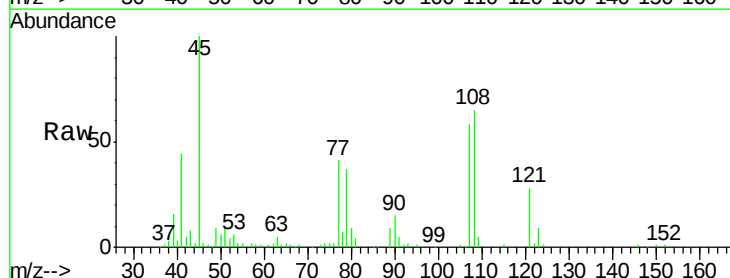
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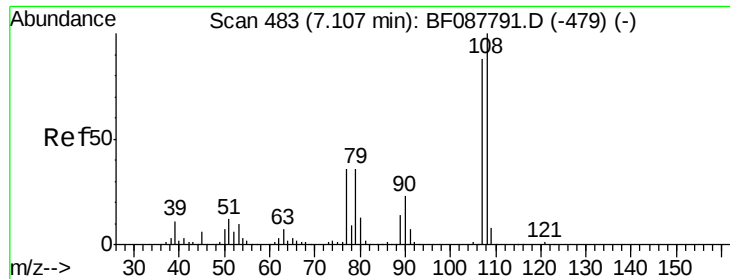
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 18.24 ng
RT: 6.88 min Scan# 463
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
45	100		
77	41.0	0.0	32.5#
79	36.7	0.0	29.5#





#17

2-Methylphenol

Concen: 18.07 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.01 min

Lab File: BF088363.D

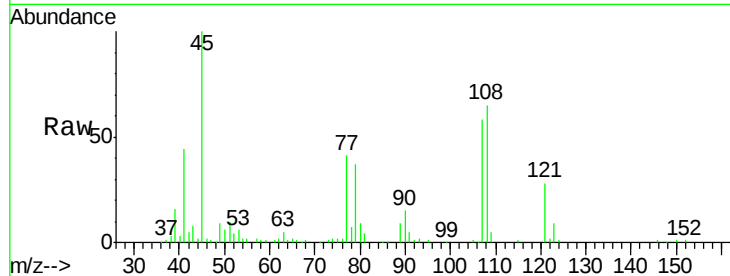
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD



Tgt Ion:107 Resp: 69377

Ion Ratio Lower Upper

107 100

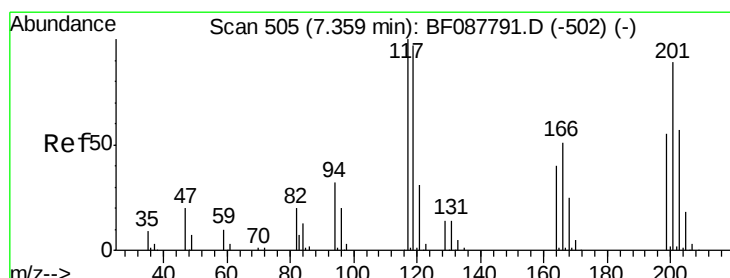
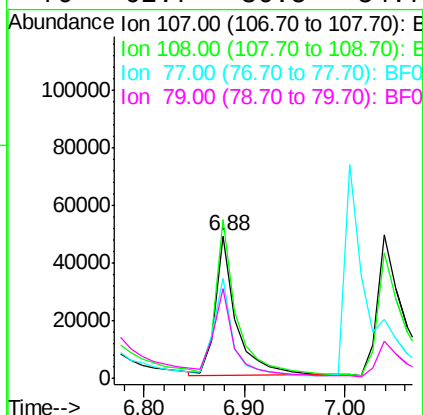
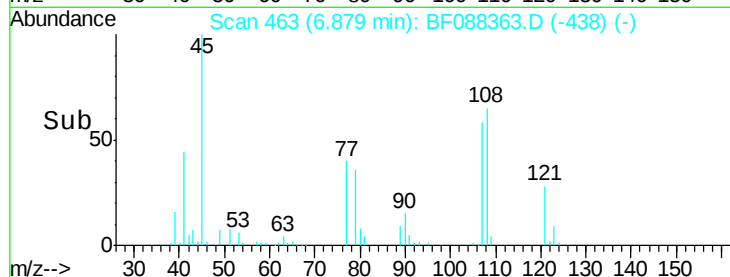
108 111.1 90.9 136.3

77 70.1 36.6 55.0

79 62.7 36.5 54.7

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#18

Hexachloroethane

Concen: 17.81 ng

RT: 7.08 min Scan# 481

Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

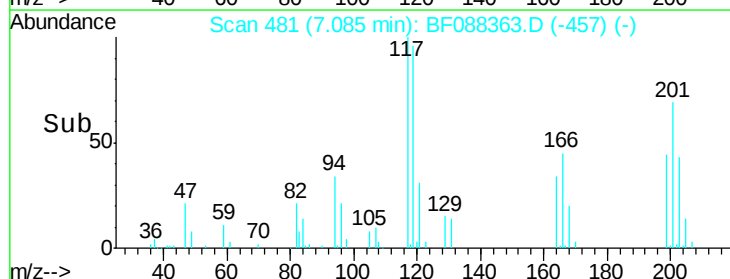
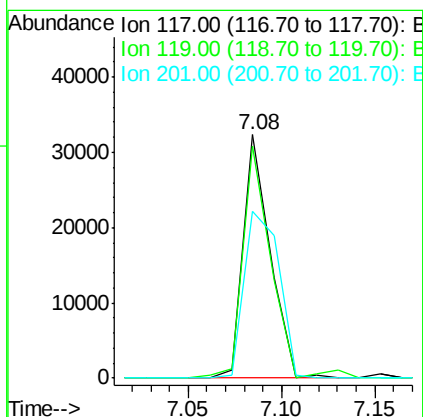
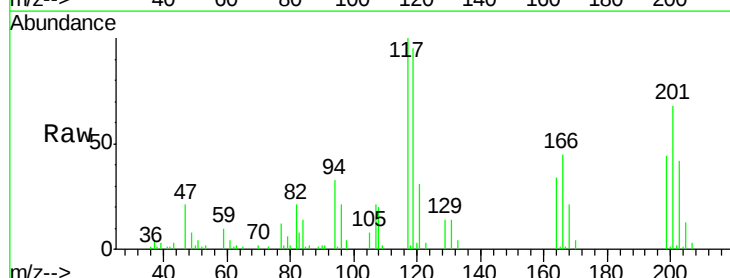
Tgt Ion:117 Resp: 32343

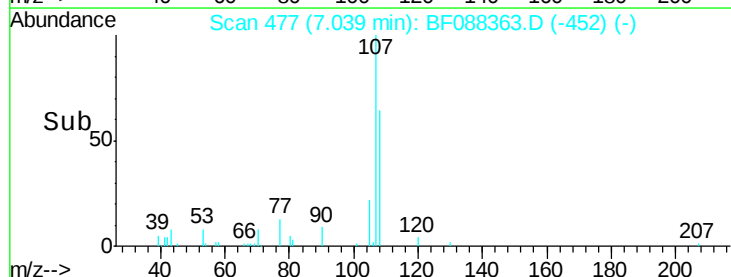
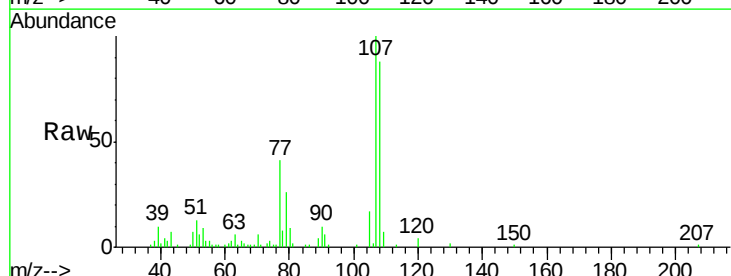
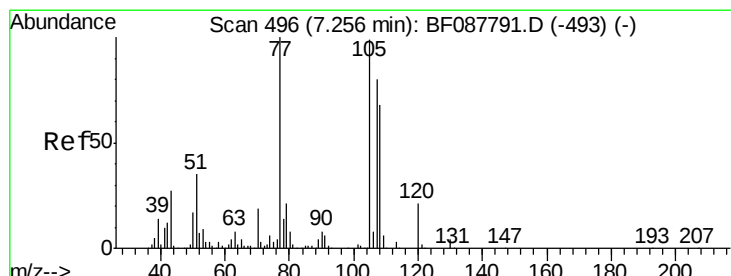
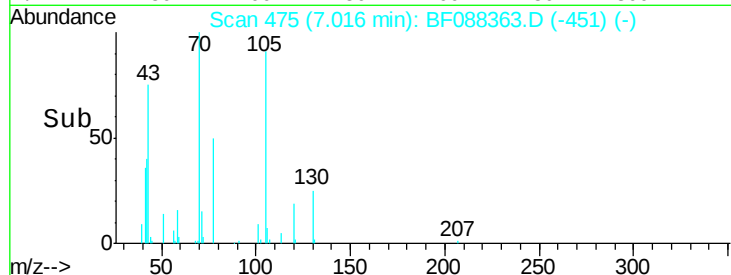
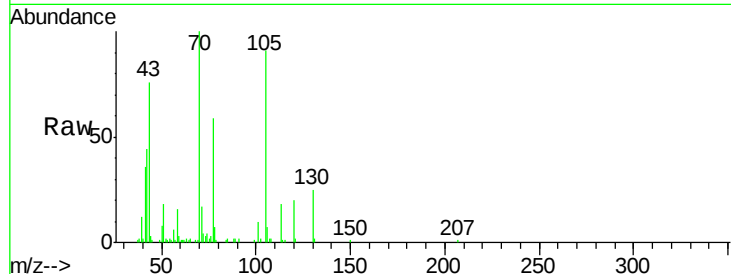
Ion Ratio Lower Upper

117 100

119 95.2 77.4 116.2

201 68.4 80.4 120.6

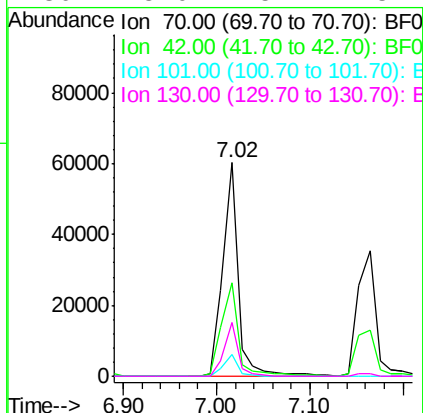




#19
n-Nitroso-di-n-propylamine
Concen: 22.31 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	43.8	49.6	74.4#
101	10.4	7.1	10.7
130	25.0	15.4	23.2#

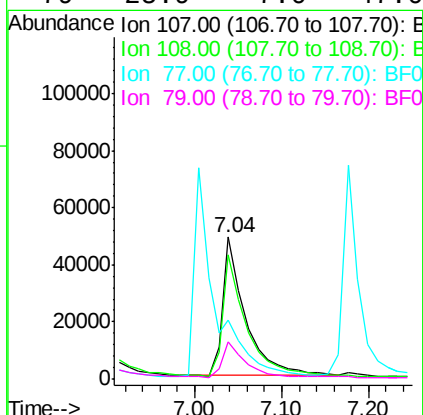


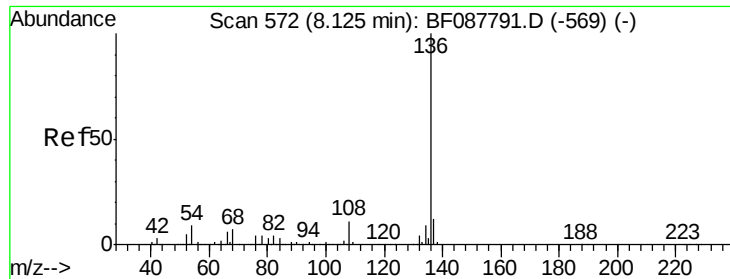
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#20
3+4-Methylphenols
Concen: 20.05 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.6	67.8	107.8
77	41.2	59.3	99.3#
79	25.9	7.0	47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088363.D

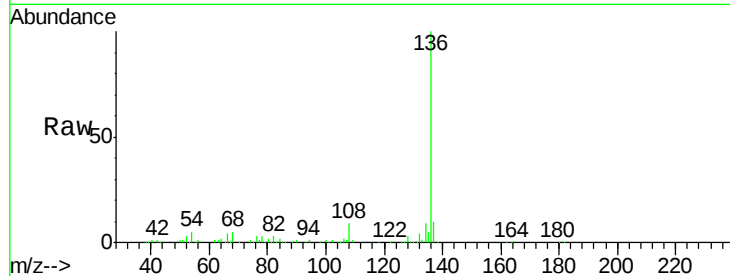
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

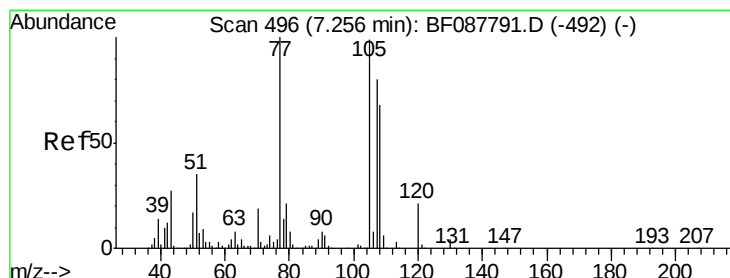
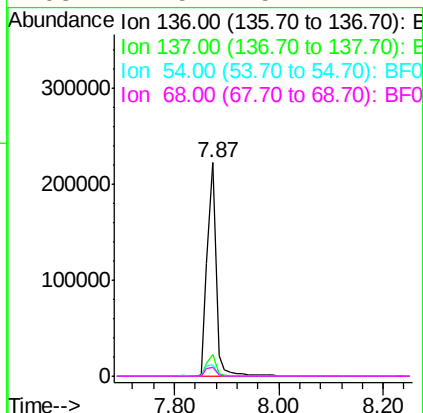
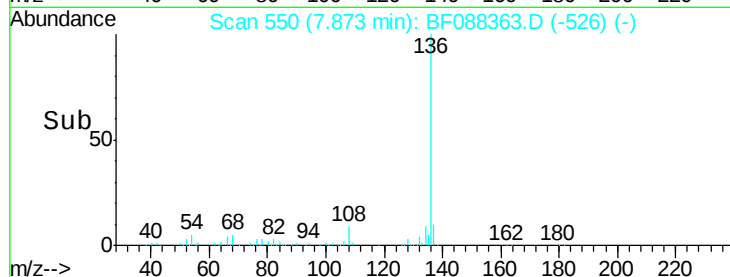
HSR-WC-55-062216MSD



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	267311		
137	10.4	9.1	13.7	
54	5.1	6.6	10.0	
68	4.5	5.1	7.7	

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#22

Acetophenone

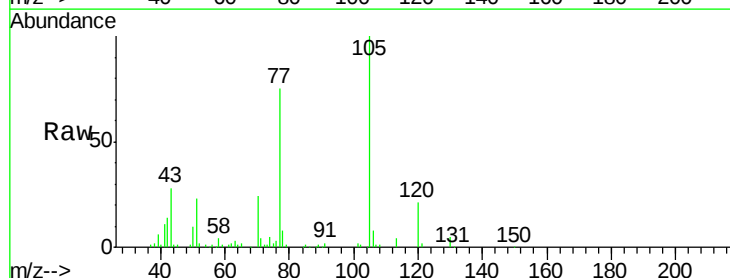
Concen: 24.09 ng

RT: 7.00 min Scan# 474

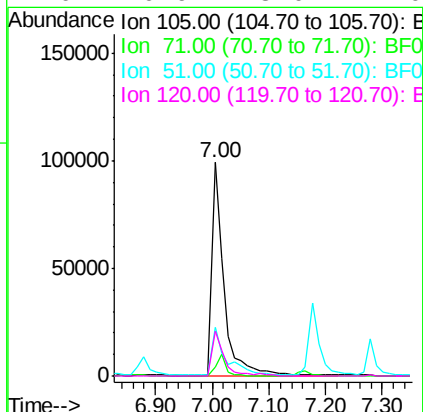
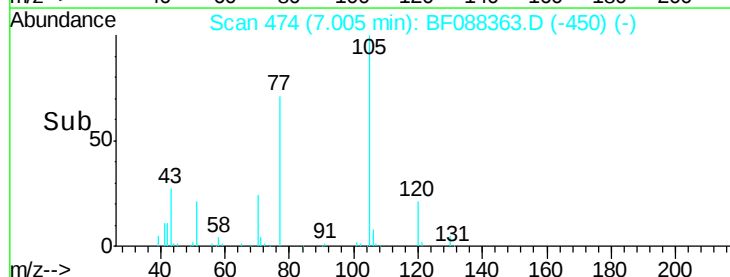
Delta R.T. -0.02 min

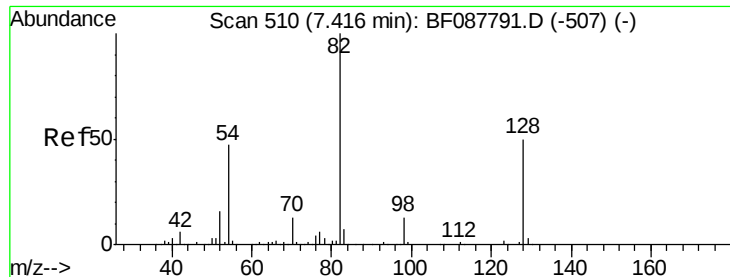
Lab File: BF088363.D

Acq: 25 Jun 2016 7:15



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143925		
71	4.2	5.3	7.9	
51	22.6	18.2	27.4	
120	20.9	18.0	27.0	





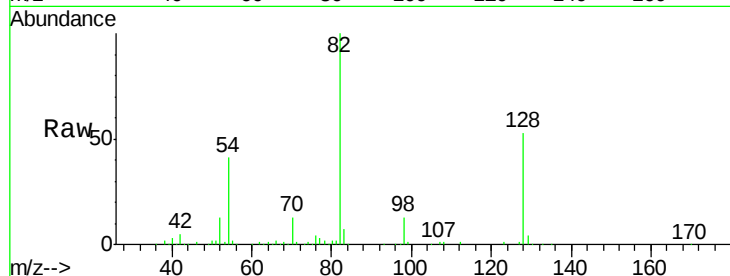
#23
 Nitrobenzene-d5
 Concen: 83.58 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

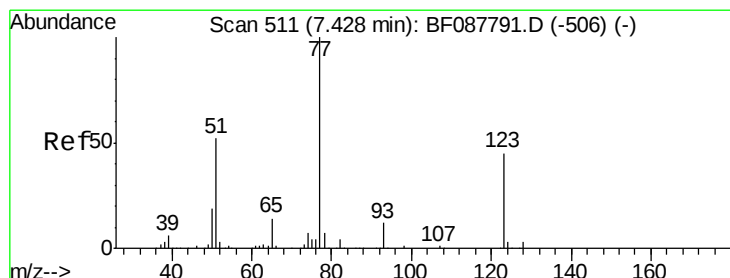
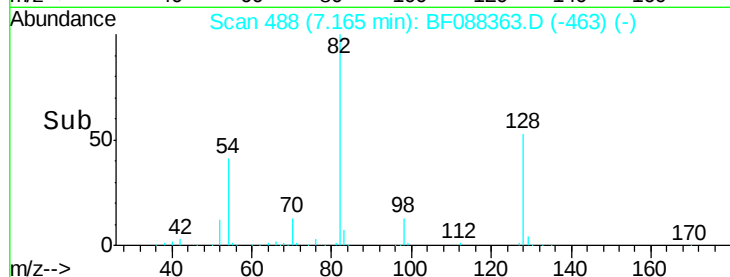
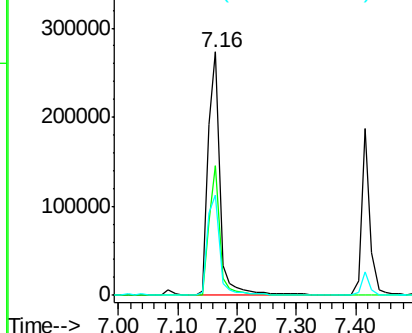
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	382615		
128	53.4	35.9	53.9	
54	41.3	40.9	61.3	

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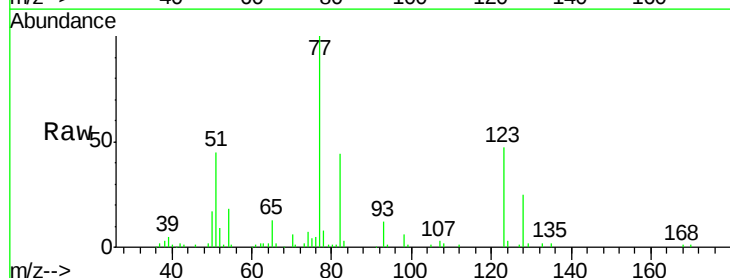


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

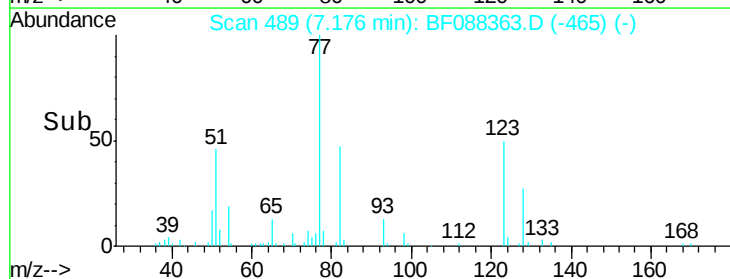
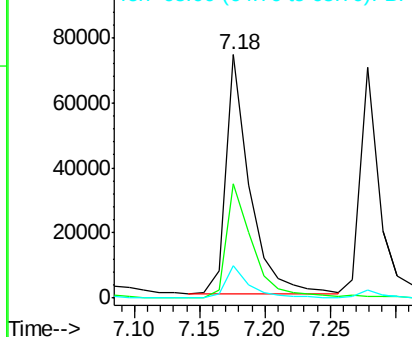


#24
 Nitrobenzene
 Concen: 21.12 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	93671		
123	47.0	45.0	67.4	
65	13.3	10.2	15.2	



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 20.81 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF088363.D

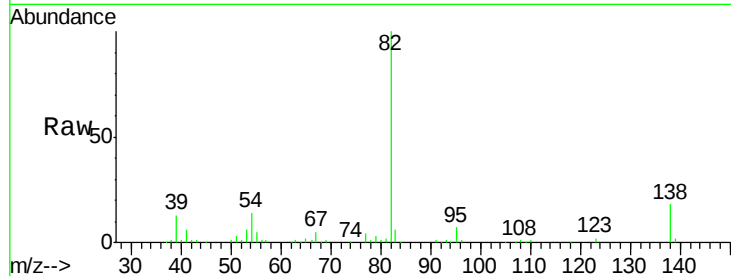
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

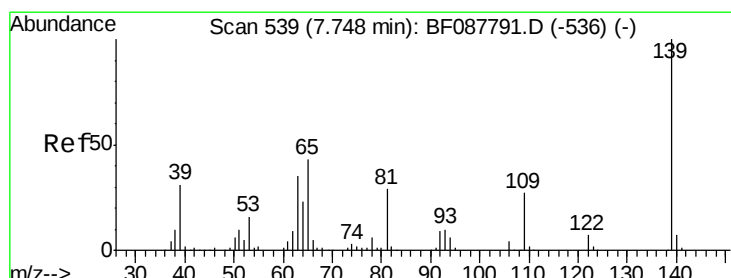
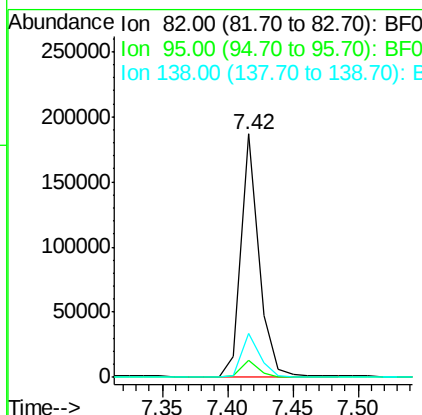
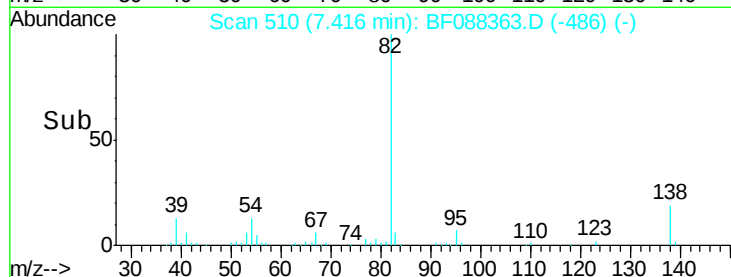
HSR-WC-55-062216MSD



Tgt Ion:	82	Resp:	176470
Ion Ratio		Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.1	14.6	21.8

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#26

2-Nitrophenol

Concen: 21.65 ng

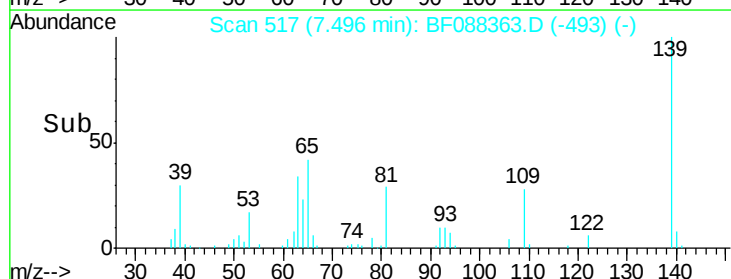
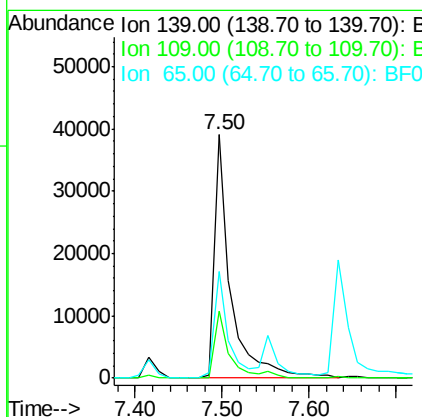
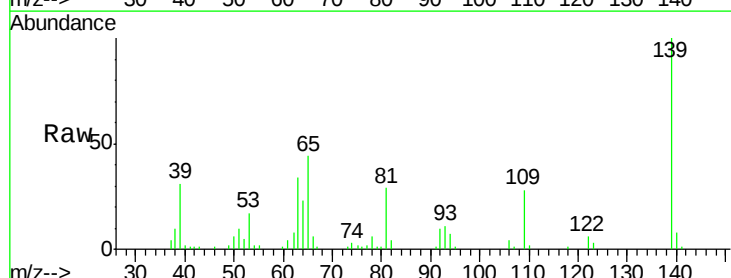
RT: 7.50 min Scan# 517

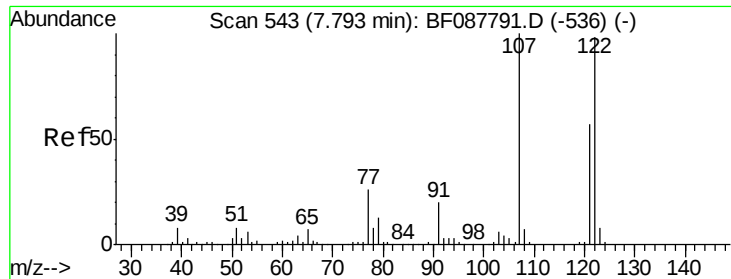
Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion:	139	Resp:	51431
Ion Ratio		Lower	Upper
139	100		
109	27.6	23.0	34.4
65	43.6	45.8	68.8#





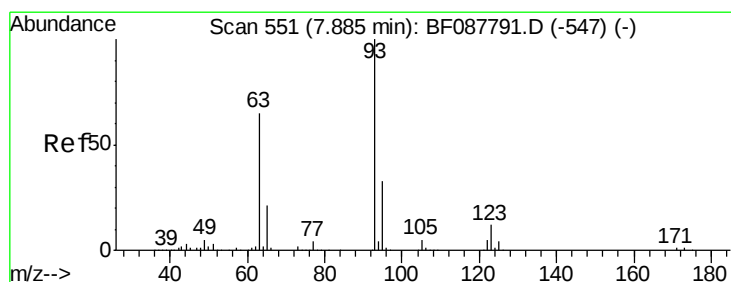
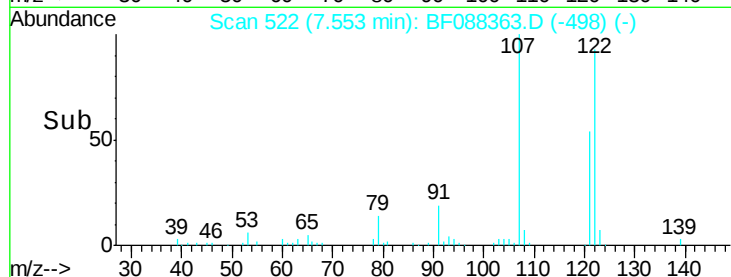
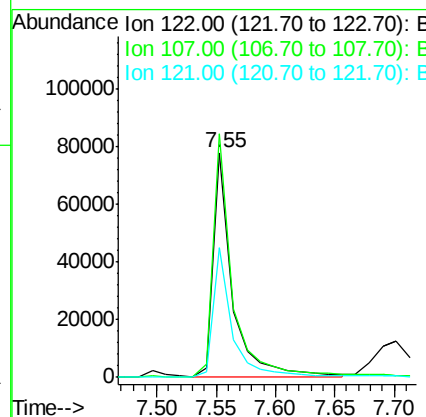
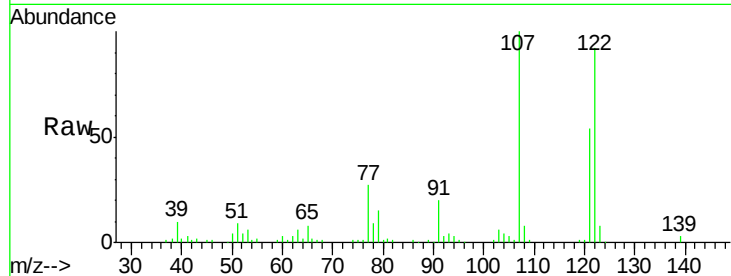
#27
2,4-Dimethylphenol
Concen: 20.24 ng
RT: 7.55 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	88514		
107	108.5	82.4	123.6	
121	58.0	46.3	69.5	

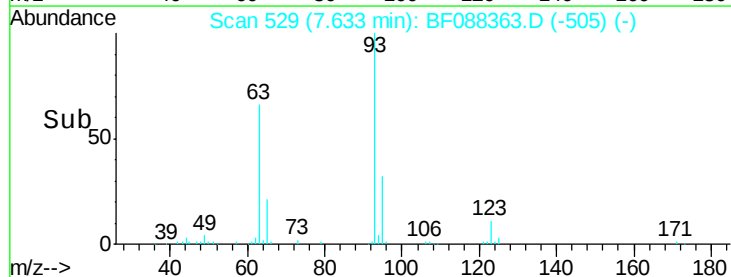
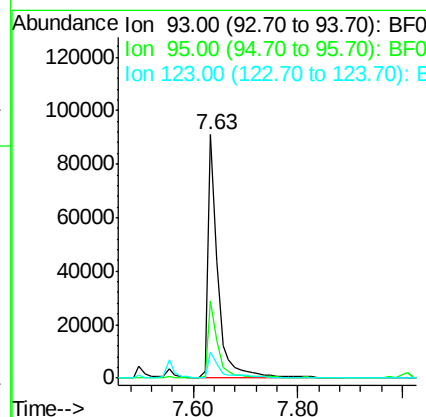
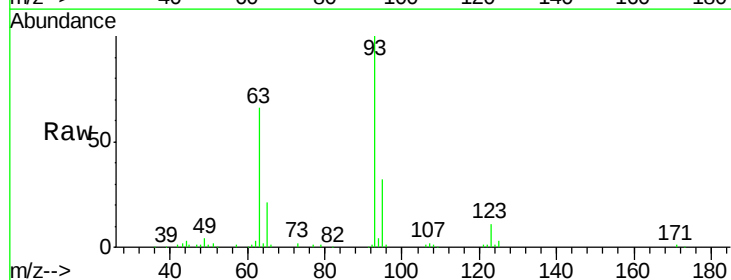
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#28
bis(2-Chloroethoxy)methane
Concen: 23.17 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	121859		
95	31.7	26.5	39.7	
123	10.6	11.6	17.4	





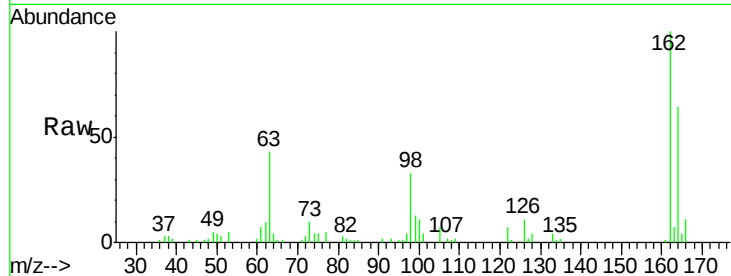
#29
 2,4-Dichlorophenol
 Concen: 22.80 ng
 RT: 7.76 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

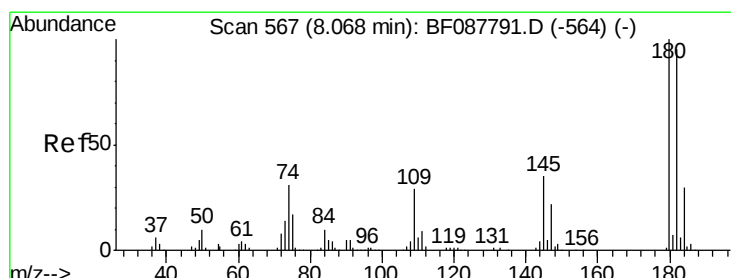
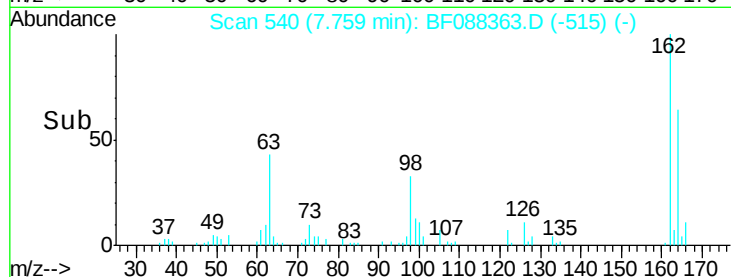
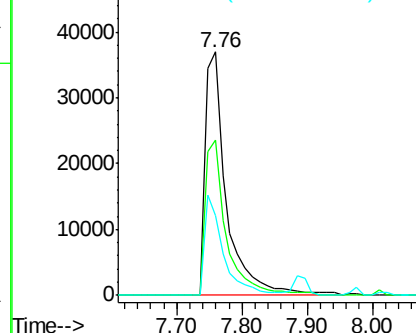
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	83267		
164	63.7	43.8	83.8	
98	32.9	21.3	61.3	

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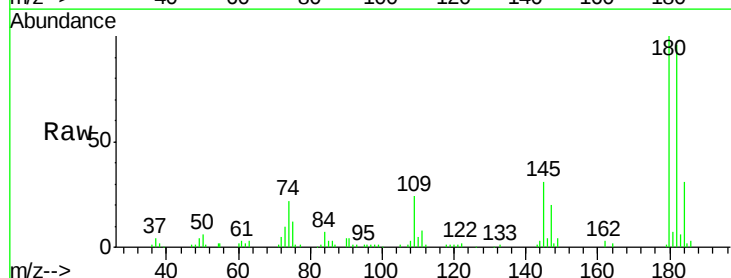


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

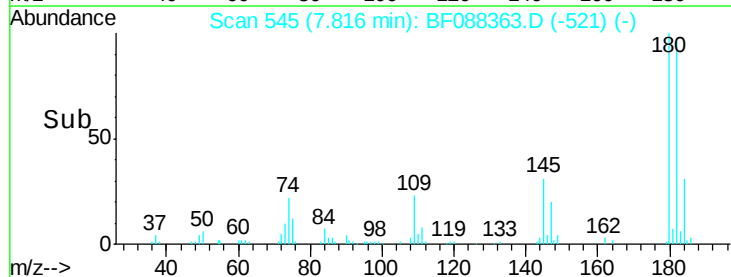
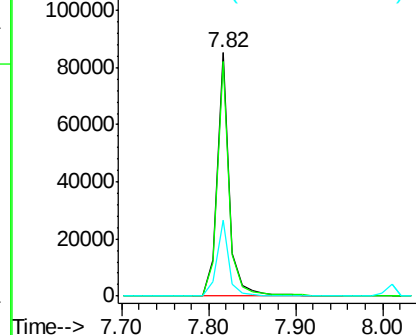


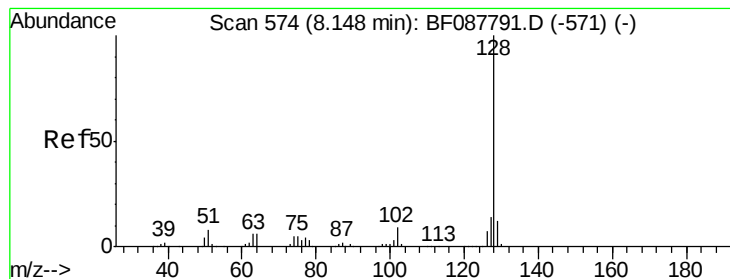
#30
 1,2,4-Trichlorobenzene
 Concen: 21.13 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84004		
182	96.4	76.0	114.0	
145	31.3	26.5	39.7	



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 24.37 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

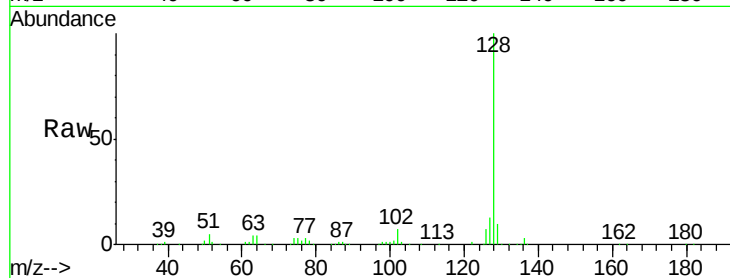
ClientSampleId :

HSR-WC-55-062216MSD

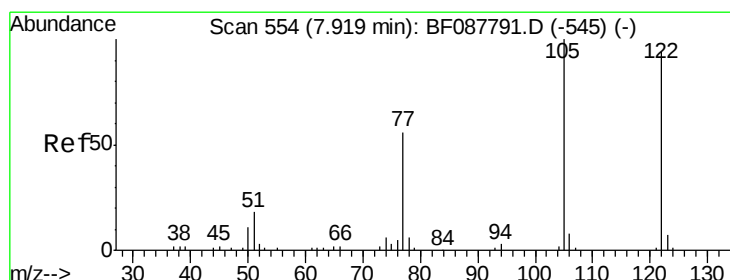
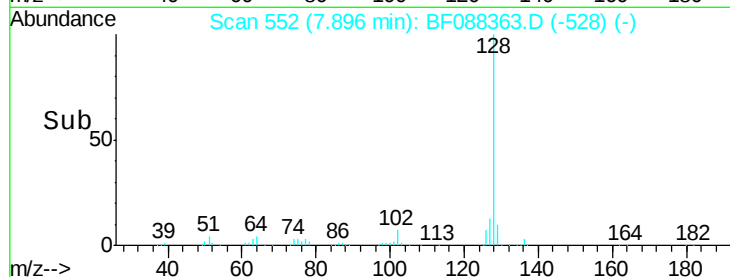
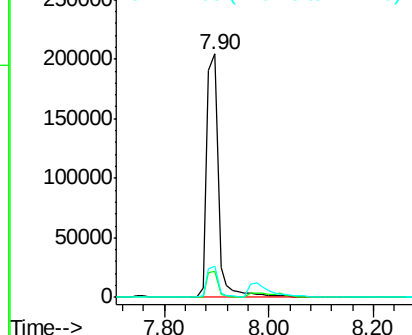
Tgt Ion:	128	Resp:	322428
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.4	14.2
127	13.0	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.50 ng

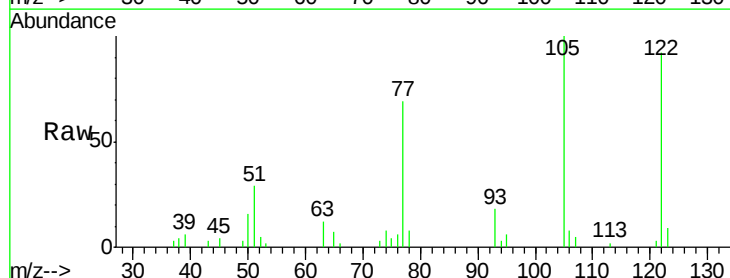
RT: 7.70 min Scan# 535

Delta R.T. -0.02 min

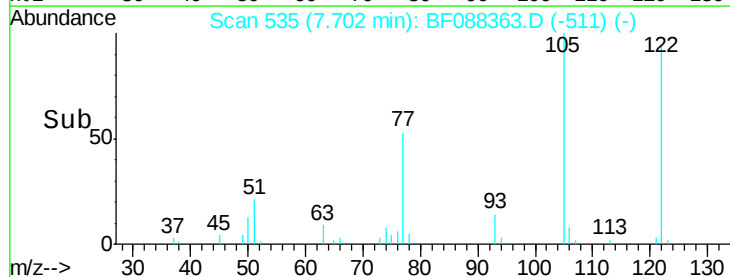
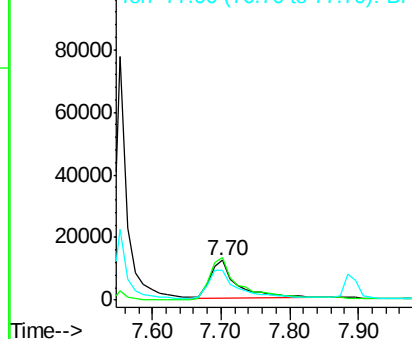
Lab File: BF088363.D

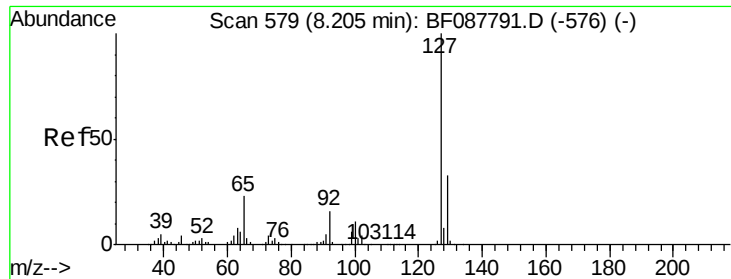
Acq: 25 Jun 2016 7:15

Tgt Ion:	122	Resp:	34914
Ion Ratio	Lower	Upper	
122	100		
105	108.6	101.6	141.6
77	74.9	70.6	110.6



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





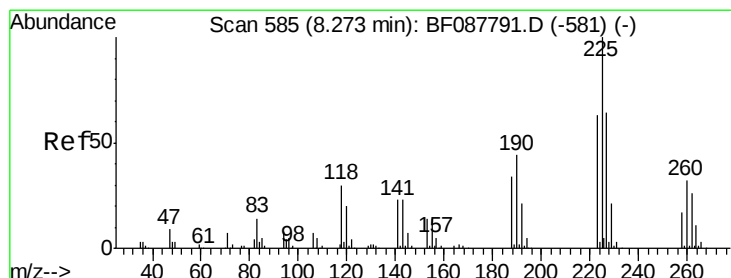
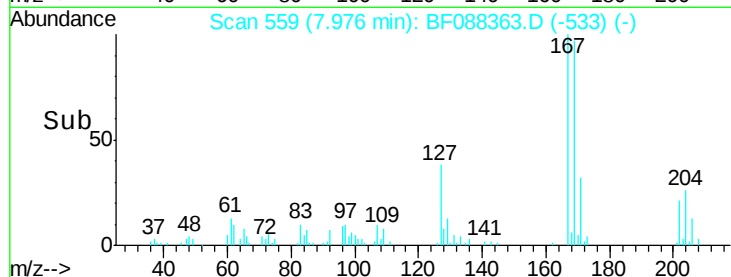
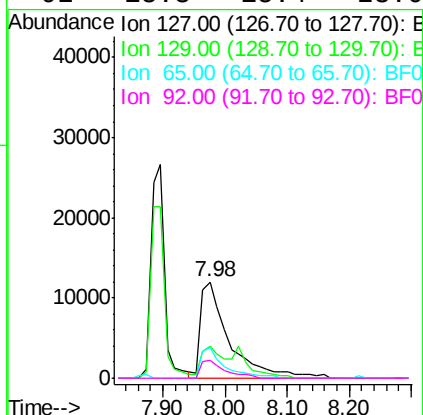
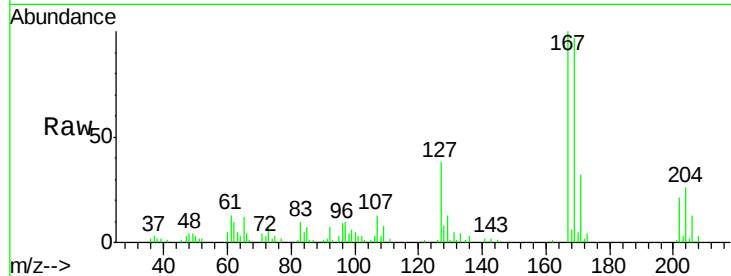
#33
4-Chloroaniline
Concen: 6.54 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	38616		
129	33.0	26.3	39.5	
65	31.7	24.7	37.1	
92	18.3	15.4	23.0	

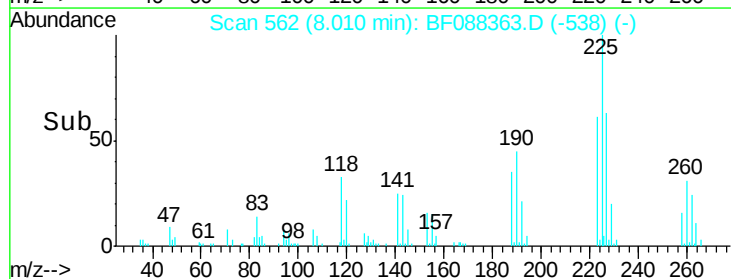
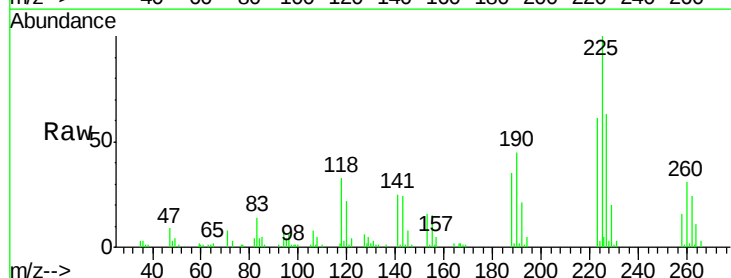
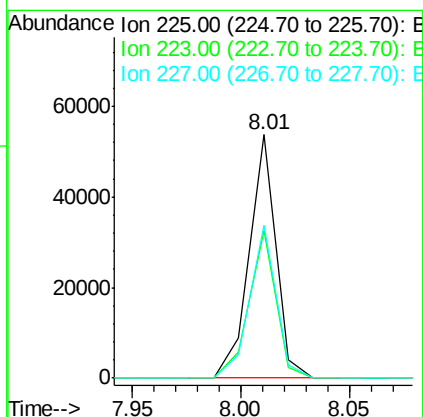
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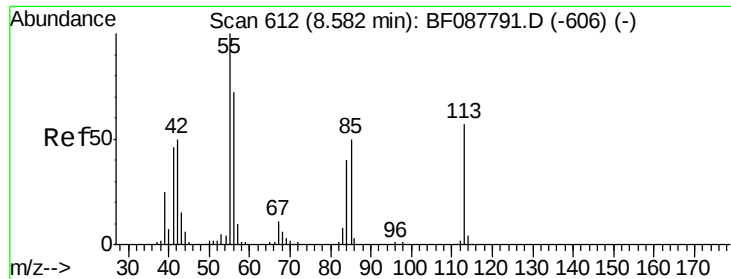
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#34
Hexachlorobutadiene
Concen: 21.78 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45672		
223	60.7	50.9	76.3	
227	62.9	51.9	77.9	





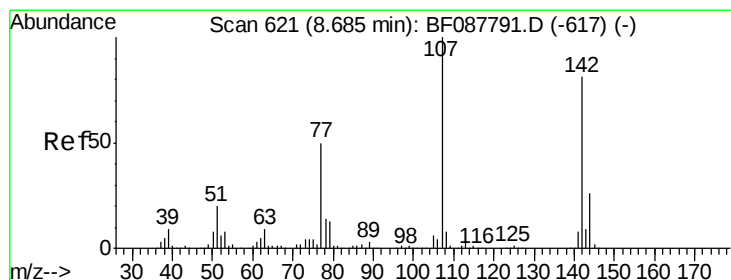
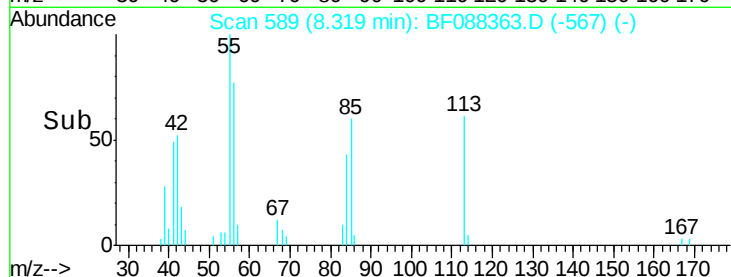
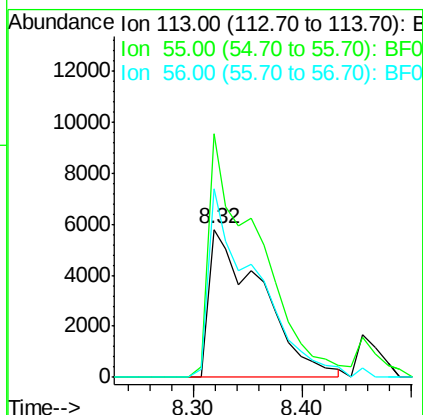
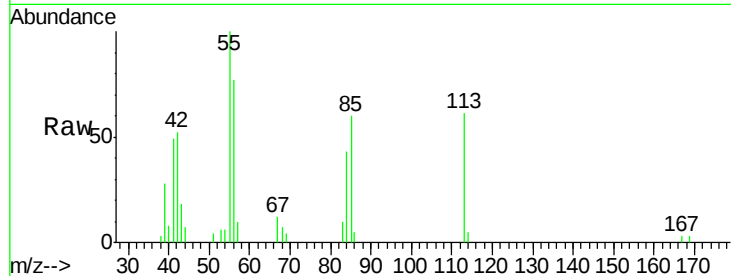
#35
 Caprolactam
 Concen: 16.13 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.05 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion:113 Resp: 19508
 Ion Ratio Lower Upper
 113 100
 55 164.3 158.6 198.6
 56 127.2 110.6 150.6

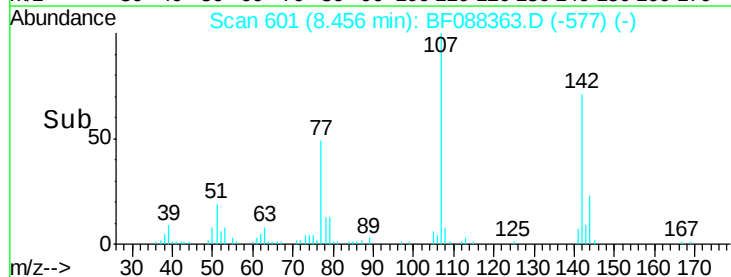
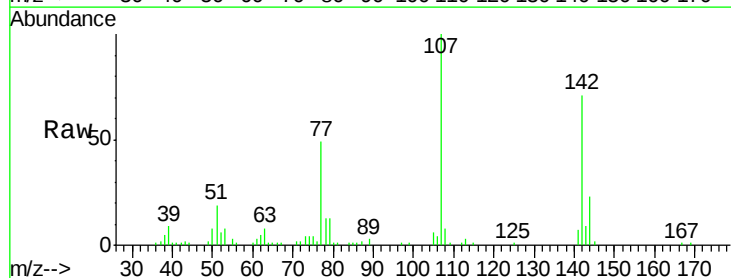
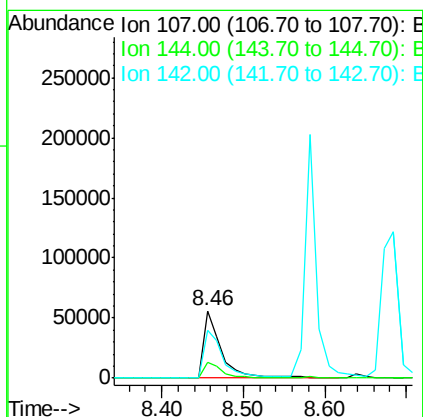
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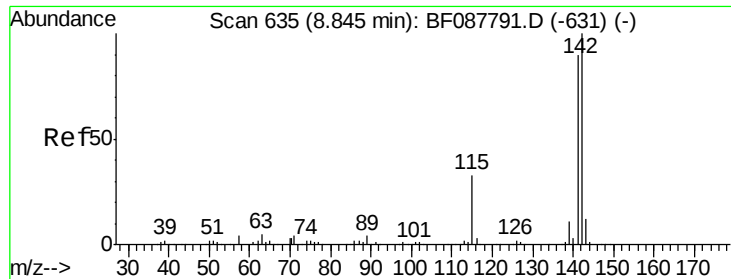
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#36
 4-Chloro-3-methylphenol
 Concen: 22.17 ng
 RT: 8.46 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion:107 Resp: 86593
 Ion Ratio Lower Upper
 107 100
 144 23.0 20.8 31.2
 142 70.9 63.4 95.2





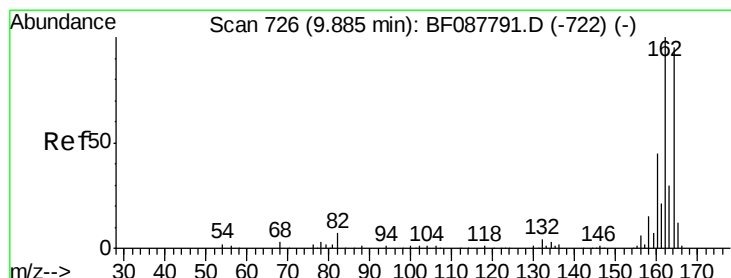
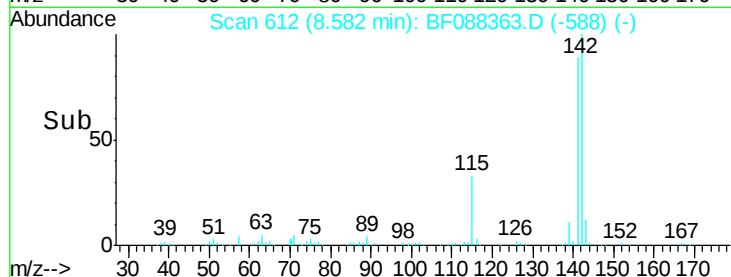
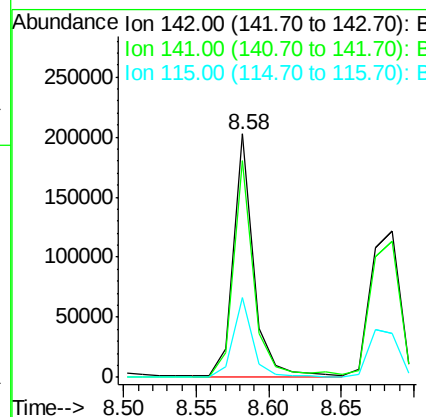
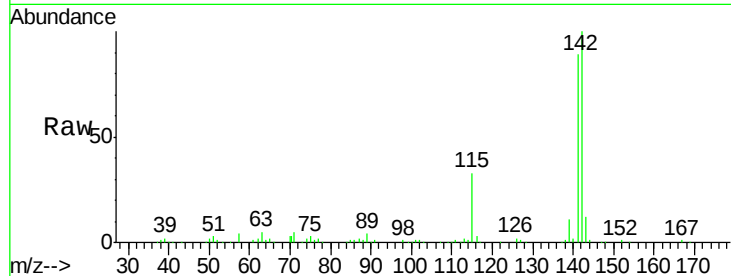
#37
 2-Methylnaphthalene
 Concen: 22.66 ng
 RT: 8.58 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	197543		
141	89.2	71.0	106.6	
115	33.0	22.6	33.8	

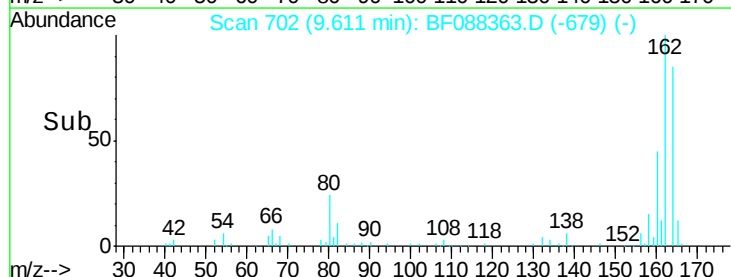
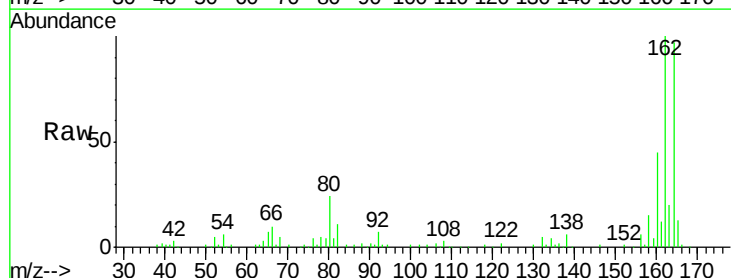
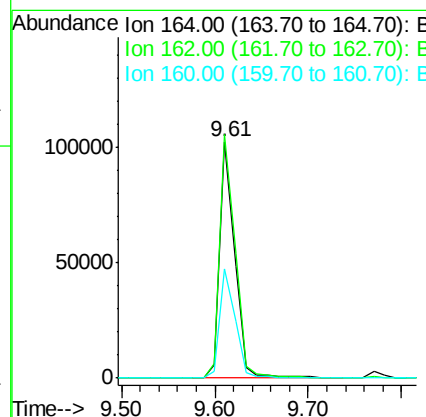
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114525		
162	103.2	85.4	128.2	
160	46.5	39.5	59.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 21.54 ng

RT: 8.75 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

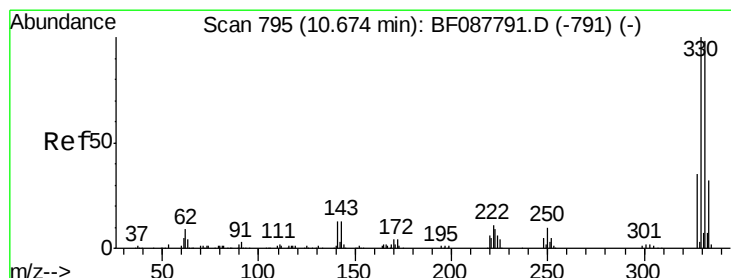
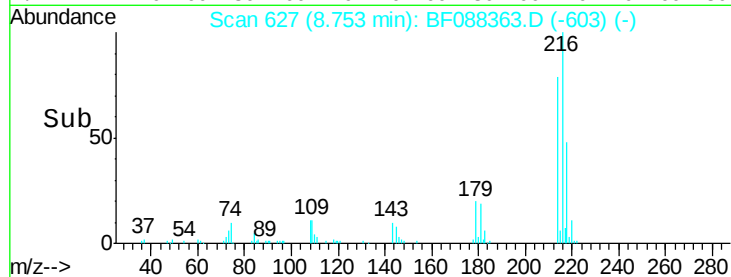
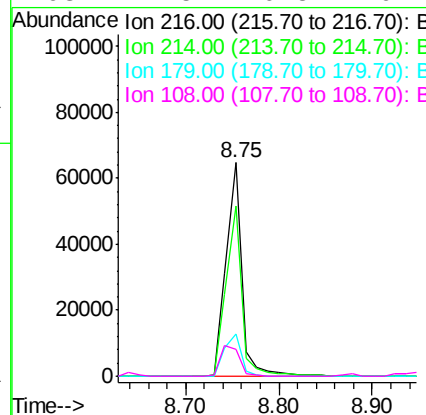
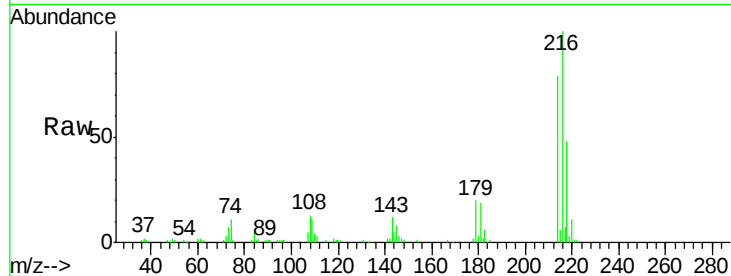
ClientSampleId :

HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	76209		
214	79.3	2.9	4.3#	
179	21.0	0.0	0.0#	
108	17.5	0.5	0.7#	

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#41

2,4,6-Tribromophenol

Concen: 108.32 ng

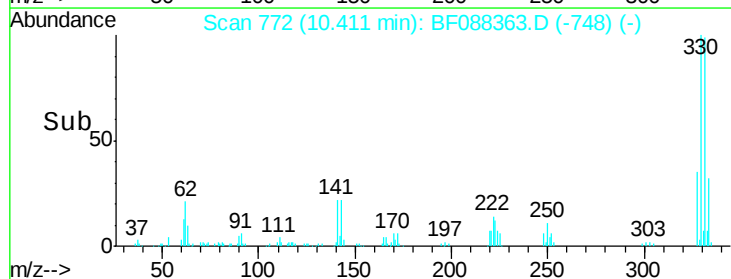
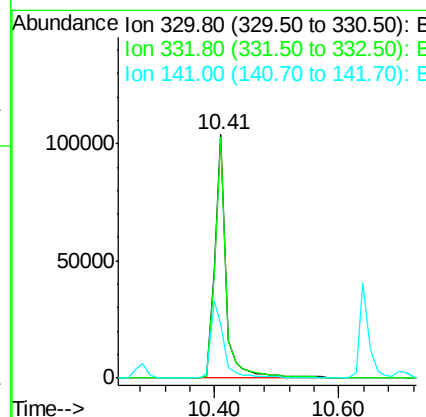
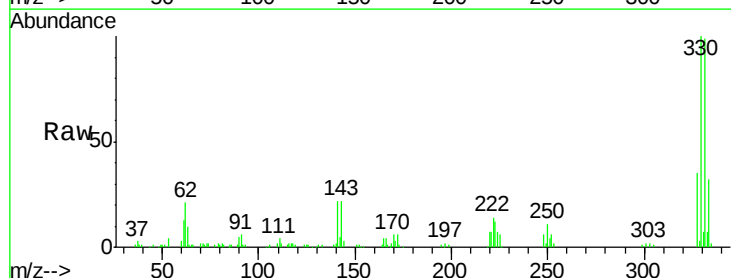
RT: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	130983		
332	98.5	0.0	0.0#	
141	37.0	0.0	0.0#	





#42

2,4,6-Trichlorophenol

Concen: 21.10 ng

RT: 8.88 min Scan# 638

Delta R.T. -0.01 min

Lab File: BF088363.D

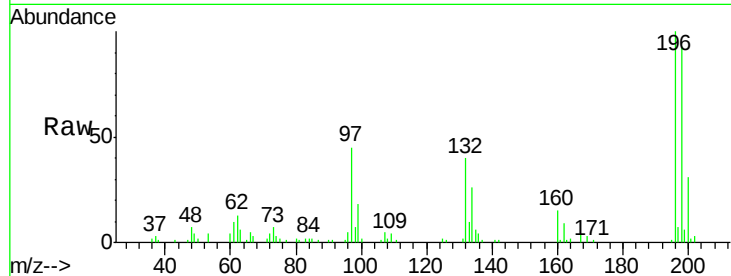
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

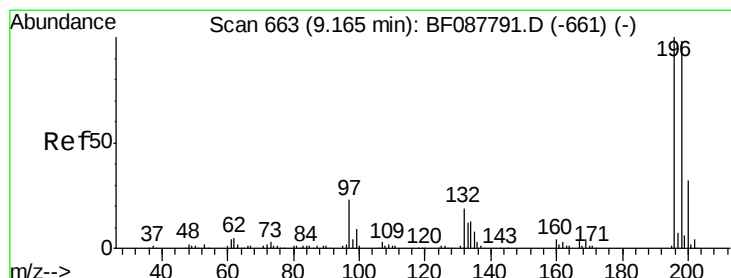
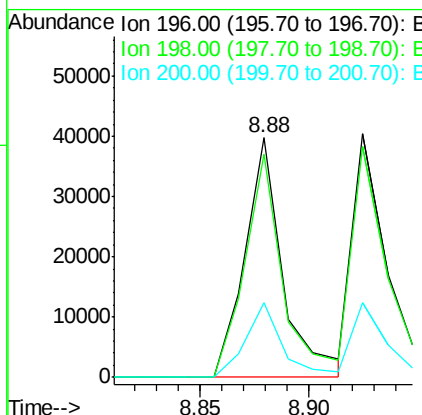
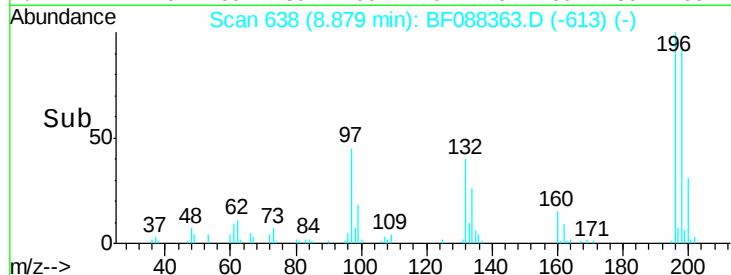
HSR-WC-55-062216MSD



Tgt Ion:	196	Resp:	48327
Ion Ratio	Lower	Upper	
196	100		
198	93.2	78.0	117.0
200	31.3	25.4	38.2

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#43

2,4,5-Trichlorophenol

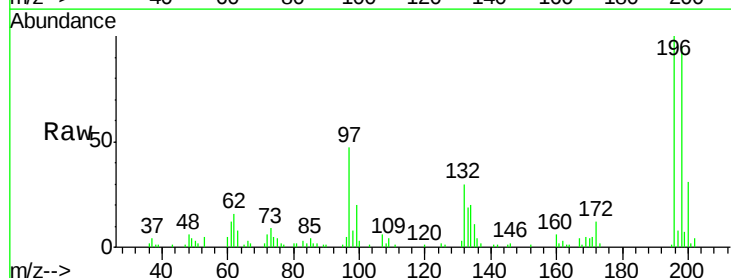
Concen: 23.22 ng

RT: 8.92 min Scan# 642

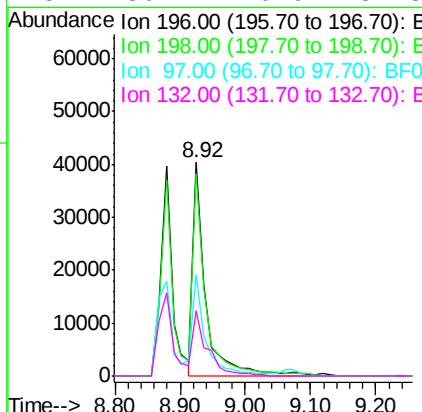
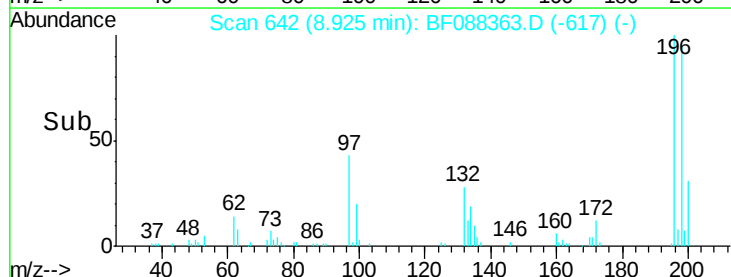
Delta R.T. -0.01 min

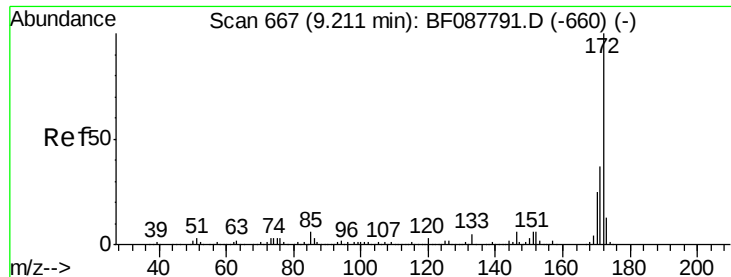
Lab File: BF088363.D

Acq: 25 Jun 2016 7:15



Tgt Ion:	196	Resp:	55338
Ion Ratio	Lower	Upper	
196	100		
198	94.9	77.5	116.3
97	47.1	32.0	48.0
132	30.4	20.9	31.3





#44

2-Fluorobiphenyl

Concen: 97.72 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF088363.D

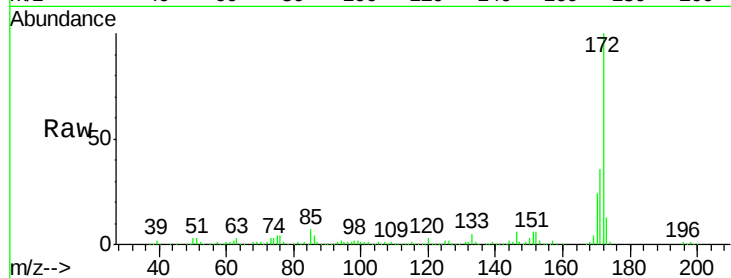
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

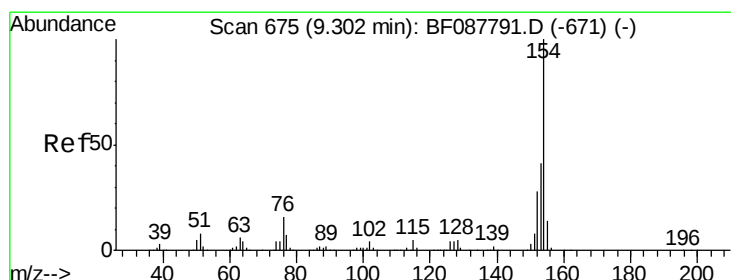
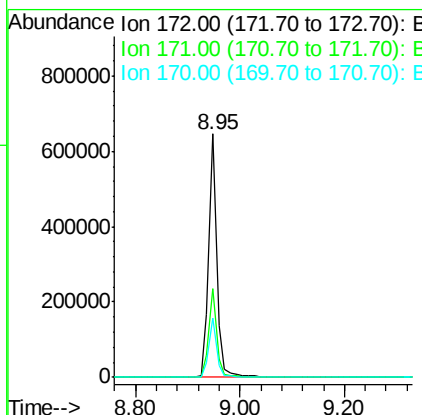
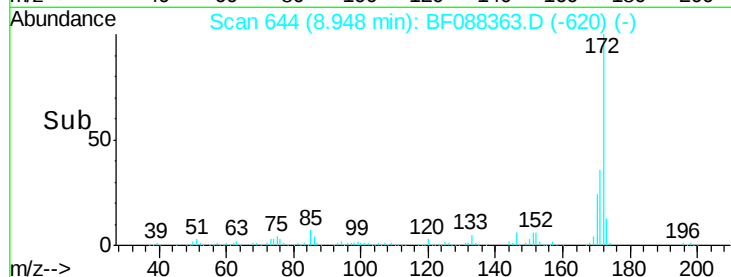
HSR-WC-55-062216MSD



Tgt Ion:	172	Resp:	706341
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.6	43.0
170	24.1	19.2	28.8

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#45

1,1'-Biphenyl

Concen: 24.51 ng

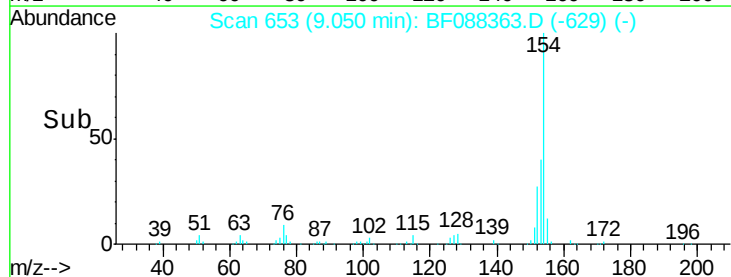
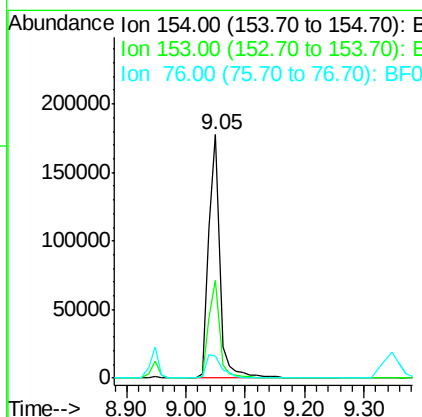
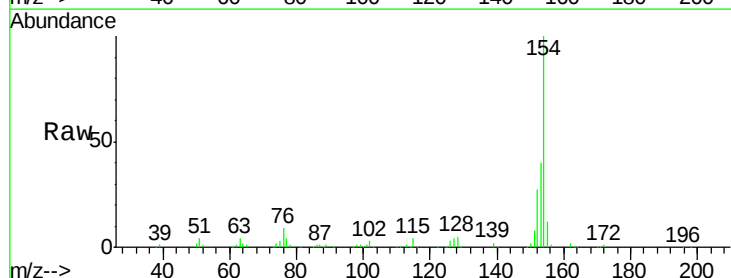
RT: 9.05 min Scan# 653

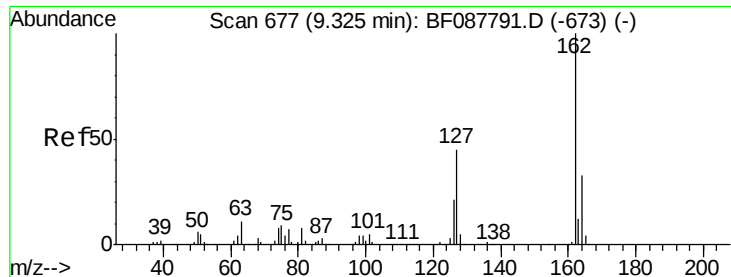
Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion:	154	Resp:	235007
Ion Ratio	Lower	Upper	
154	100		
153	40.1	20.6	60.6
76	9.3	0.0	35.1





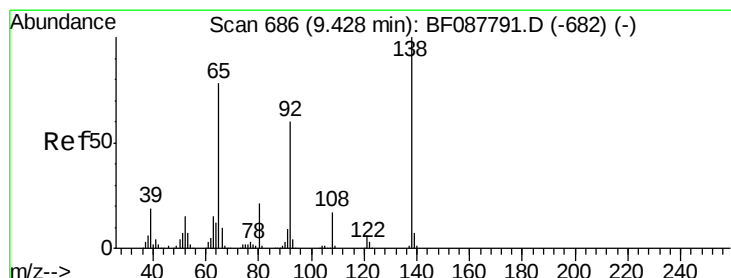
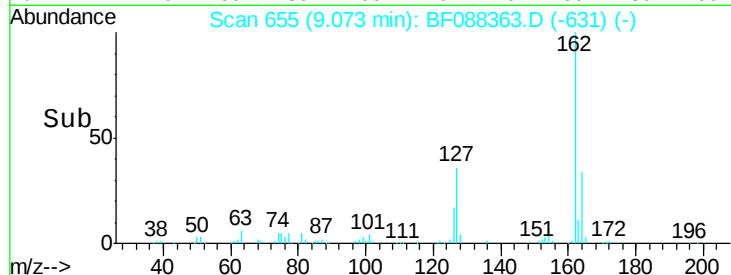
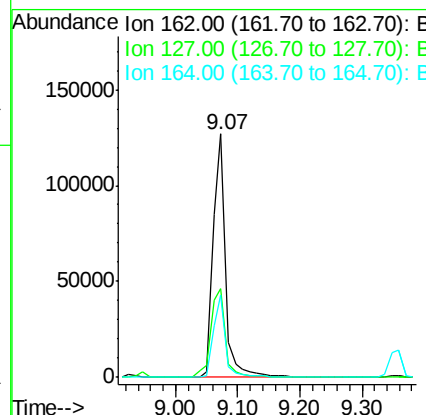
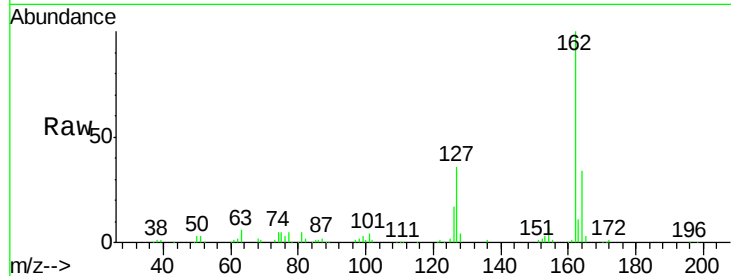
#46
 2-Chloronaphthalene
 Concen: 23.63 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	36.4	35.2	52.8
164	33.9	26.6	39.8

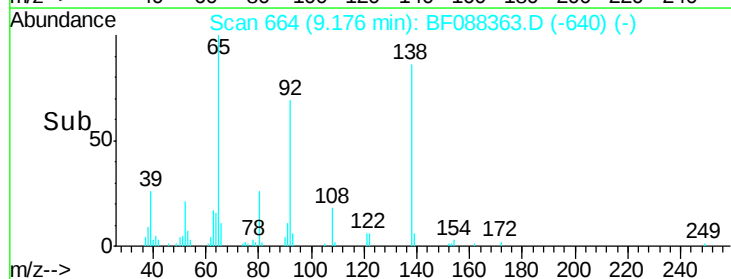
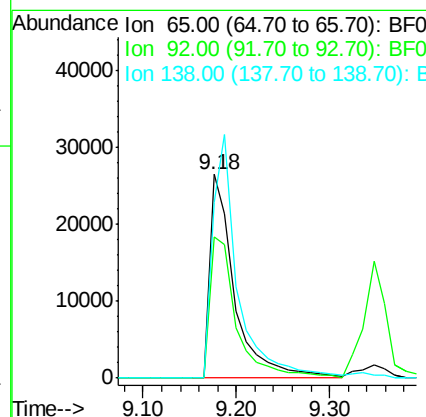
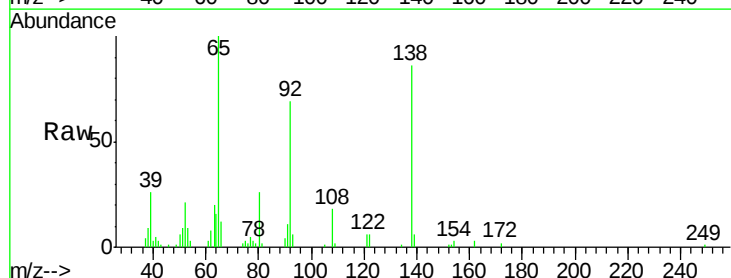
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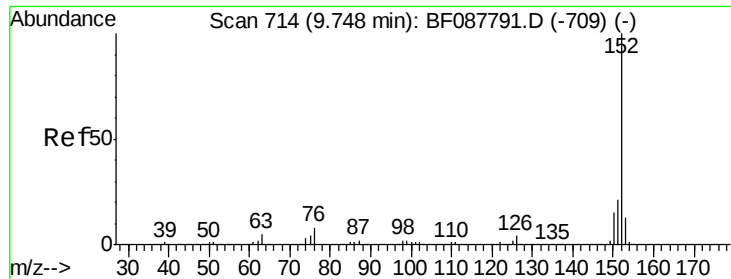
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#47
 2-Nitroaniline
 Concen: 22.50 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	69.1	54.6	82.0
138	86.5	77.0	115.4





#48

Acenaphthylene

Concen: 22.57 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF088363.D

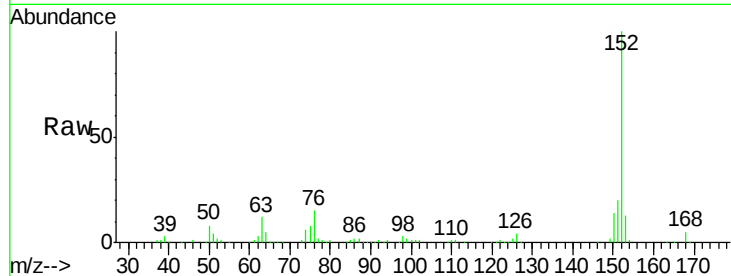
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

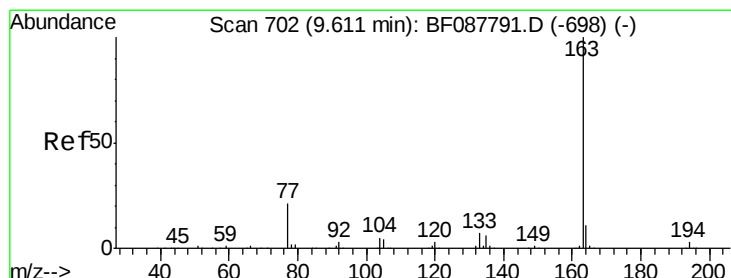
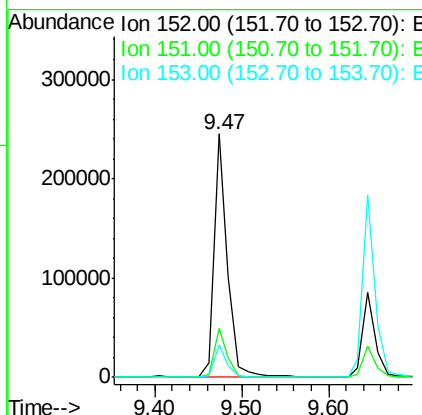
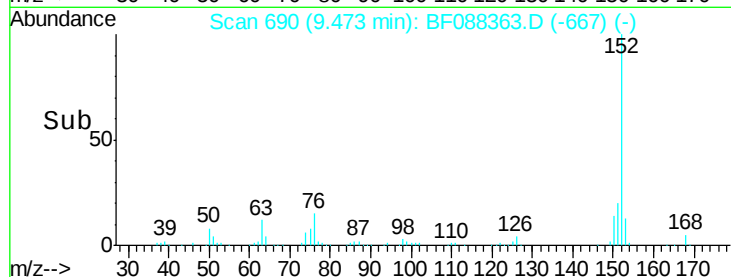
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	266115		
151	20.0	16.2	24.4	
153	13.5	11.0	16.6	

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#49

Dimethylphthalate

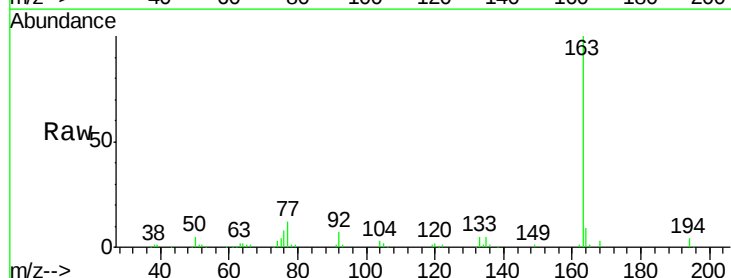
Concen: 25.73 ng

RT: 9.36 min Scan# 680

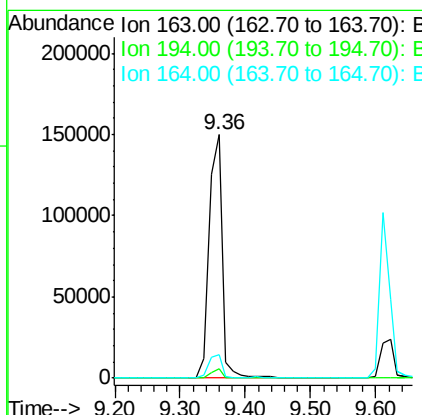
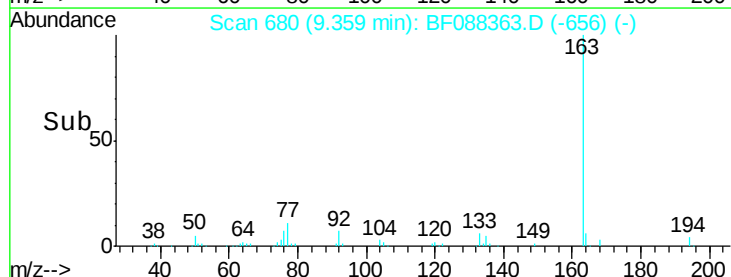
Delta R.T. -0.02 min

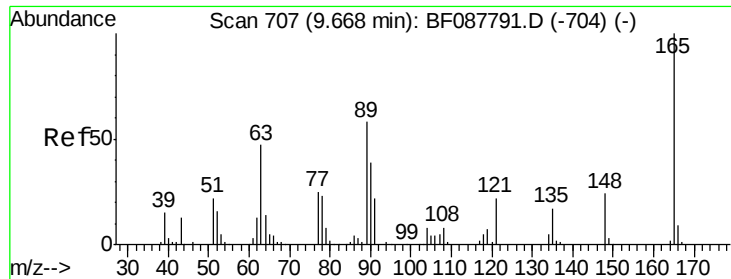
Lab File: BF088363.D

Acq: 25 Jun 2016 7:15



Tgt Ion	Ratio	Resp	Lower	Upper
163	100	213455		
194	3.7	2.8	4.2	
164	9.4	8.3	12.5	





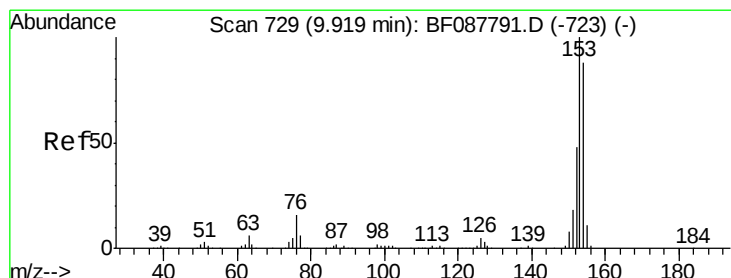
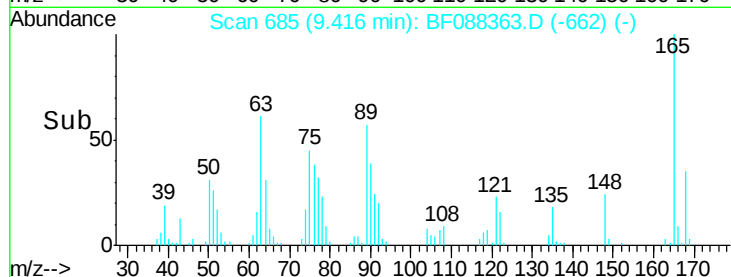
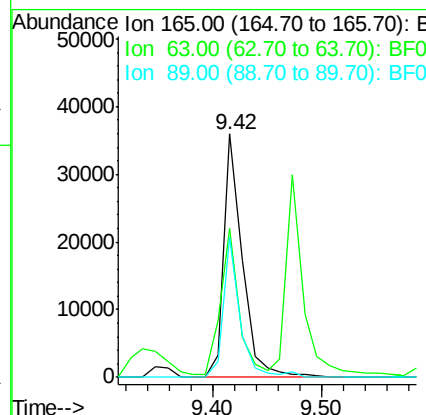
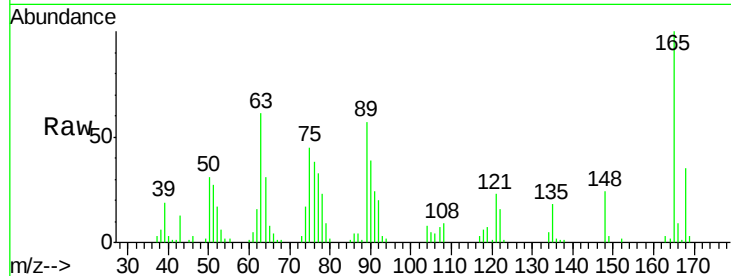
#50
2,6-Dinitrotoluene
Concen: 22.69 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	61.0	28.1	42.1#
89	57.2	32.2	48.2#

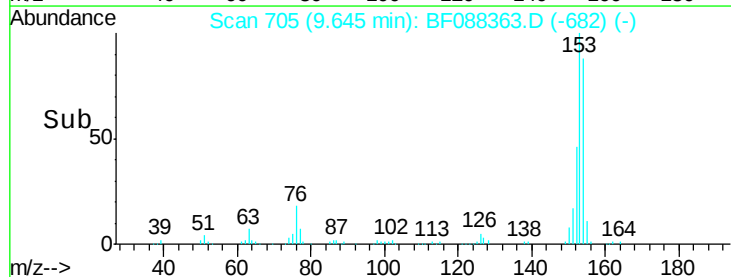
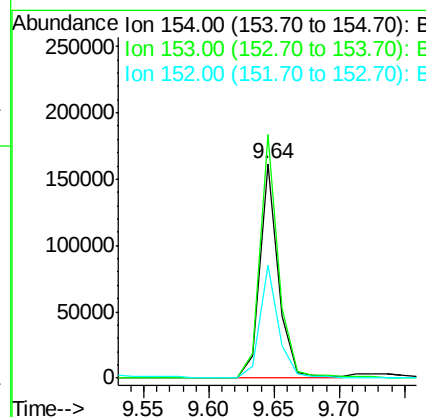
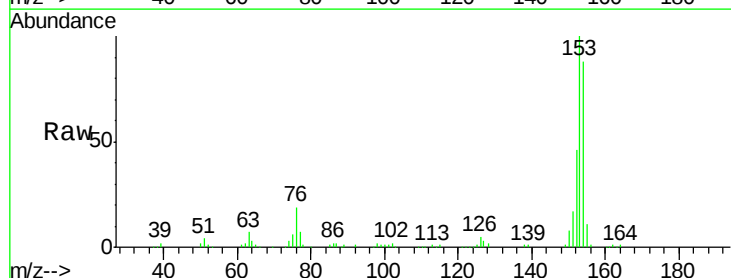
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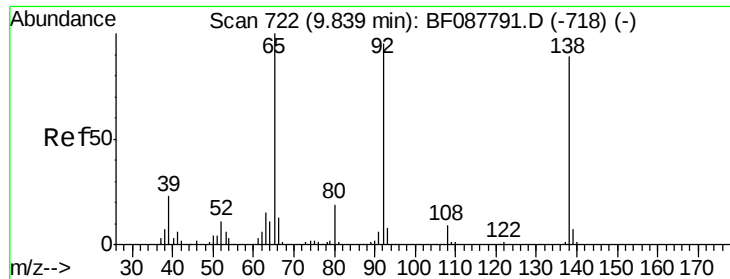
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#51
Acenaphthene
Concen: 22.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.4	89.5	134.3
152	52.6	42.7	64.1





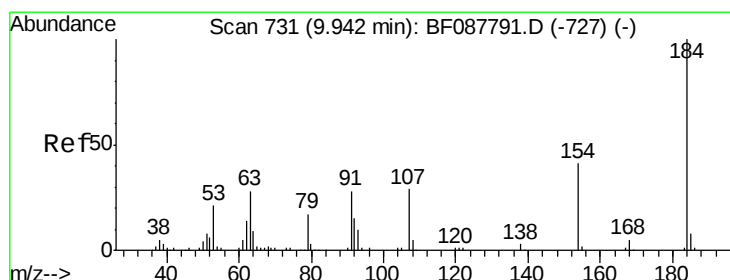
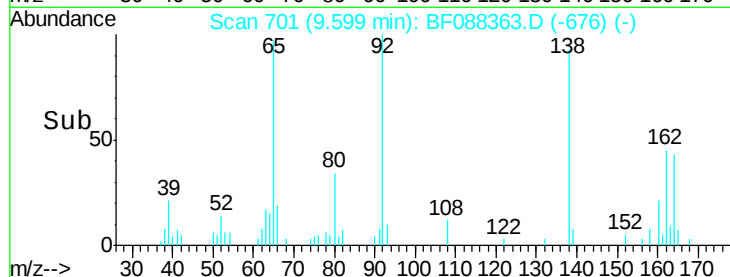
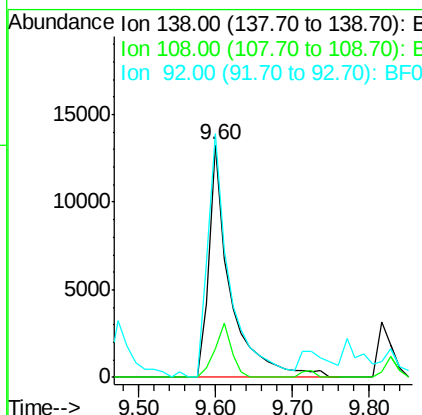
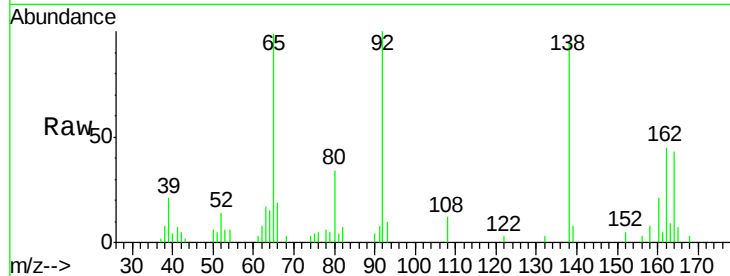
#52
 3-Nitroaniline
 Concen: 11.60 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	25436		
108	12.1	8.5	12.7	
92	104.7	95.7	143.5	

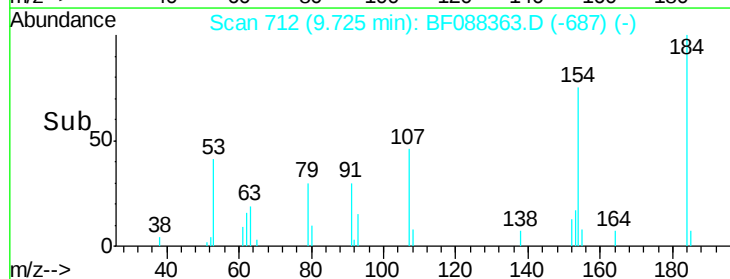
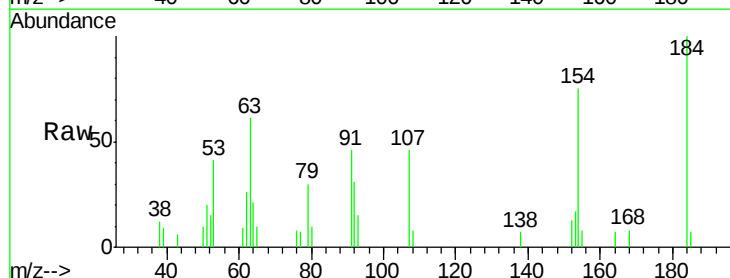
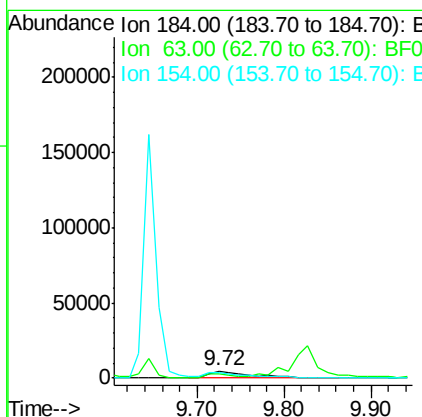
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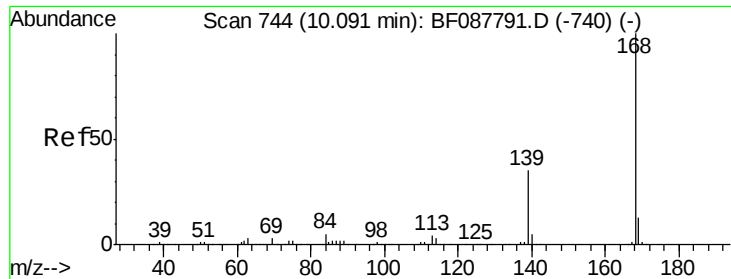
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#53
 2,4-Dinitrophenol
 Concen: 20.41 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	15672		
63	60.9	57.6	86.4	
154	75.0	53.5	80.3	





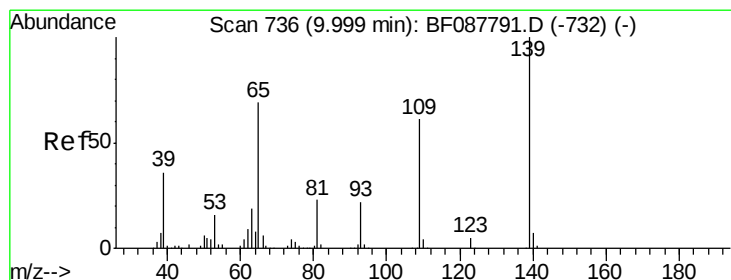
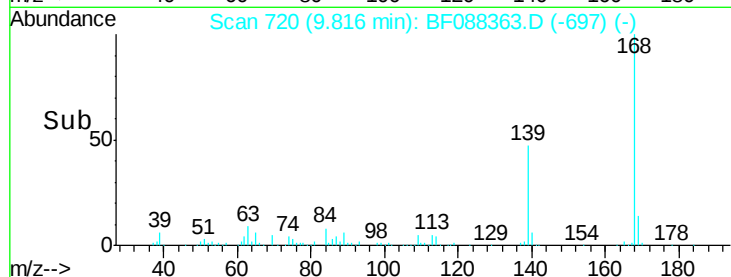
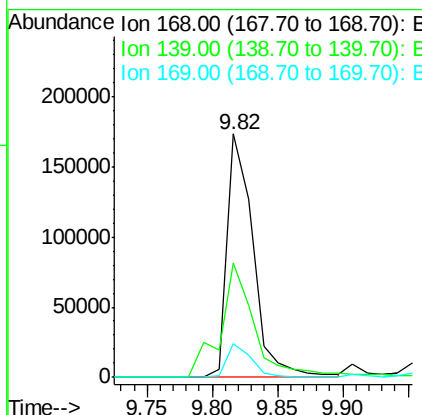
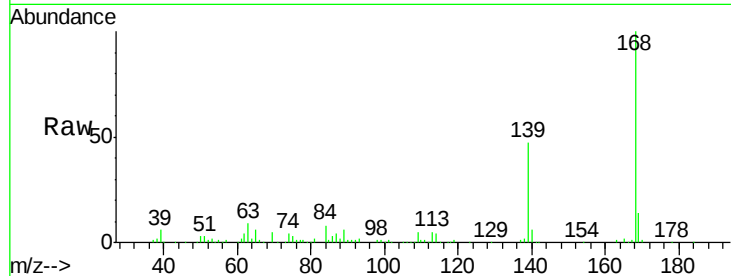
#54
Dibenzofuran
Concen: 23.77 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	240729		
139	47.1	26.4	39.6#	
169	13.8	10.4	15.6	

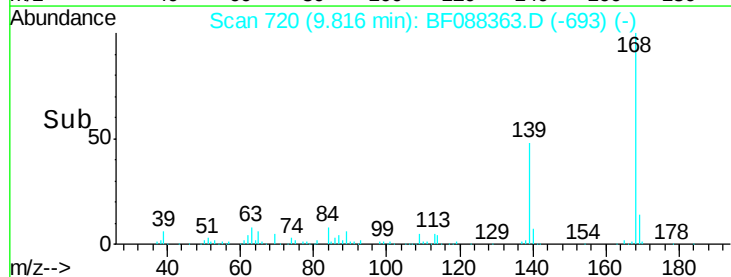
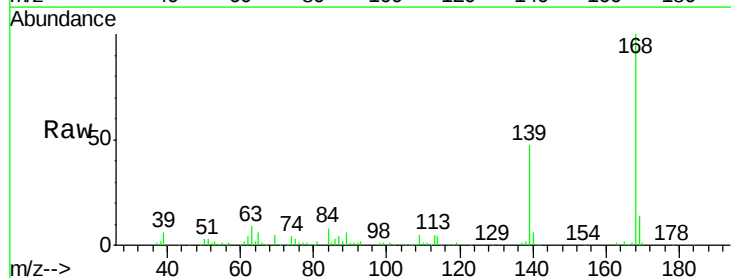
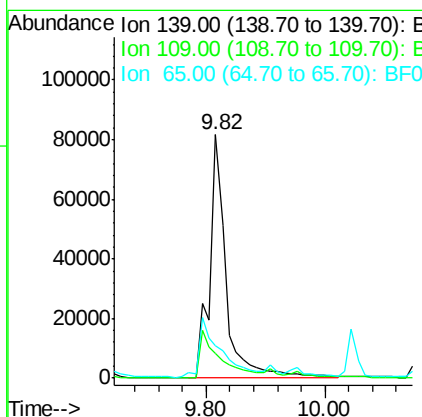
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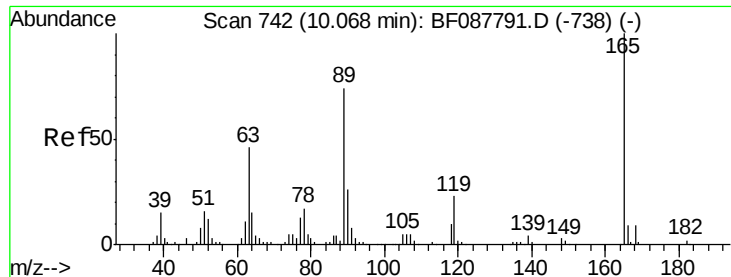
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#55
4-Nitrophenol
Concen: 93.67 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.01 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	159386		
109	10.3	48.9	88.9#	
65	13.3	84.9	124.9#	





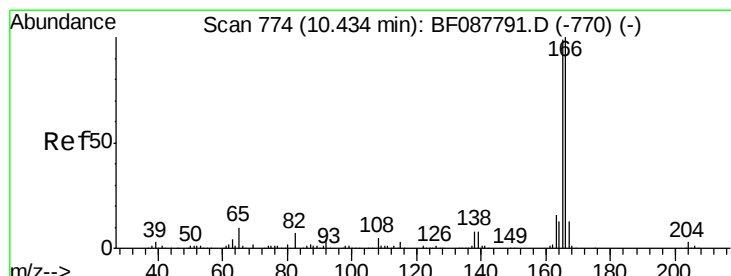
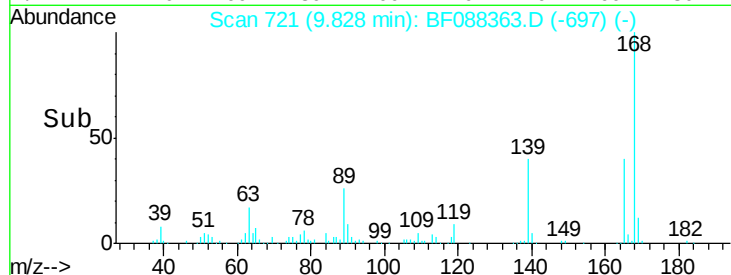
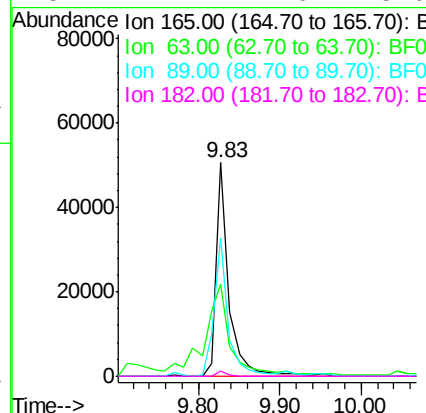
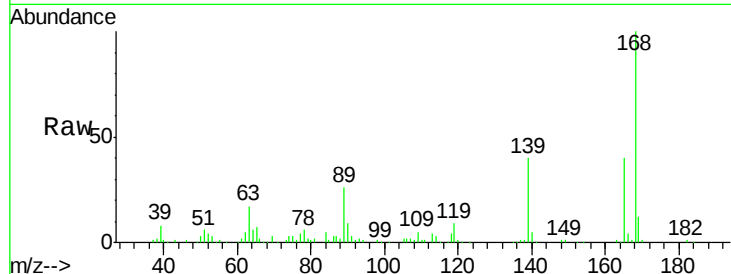
#56
2,4-Dinitrotoluene
Concen: 22.93 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	55997		
63	43.2	22.0	33.0#	
89	64.7	41.1	61.7#	
182	2.4	2.0	3.0	

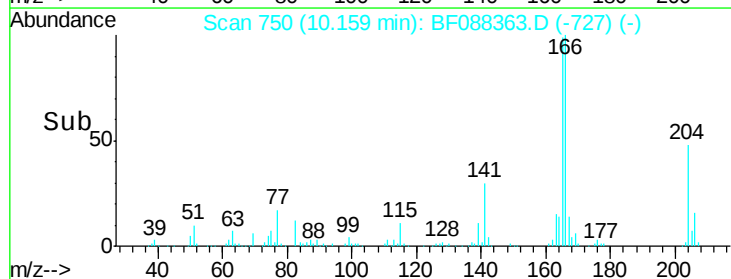
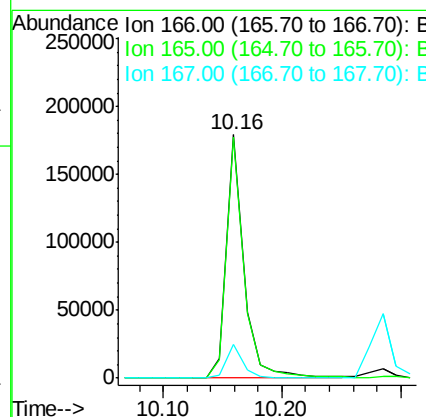
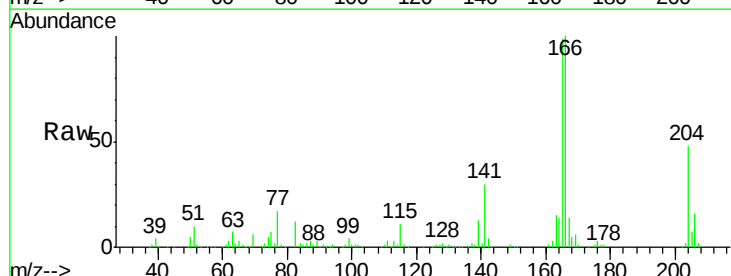
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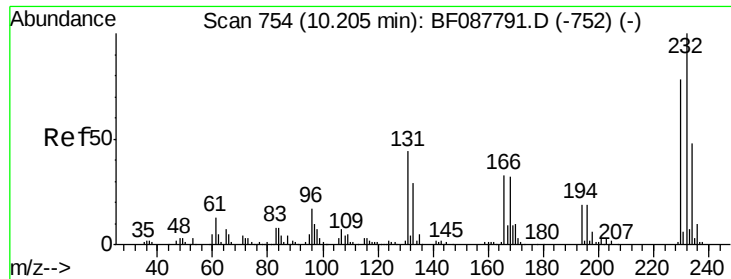
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#57
Fluorene
Concen: 24.46 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	182476		
165	99.2	77.8	116.8	
167	13.7	11.2	16.8	





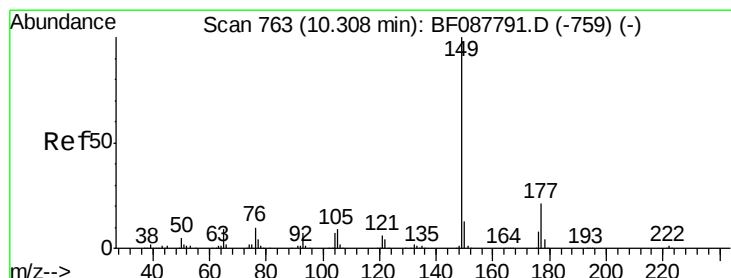
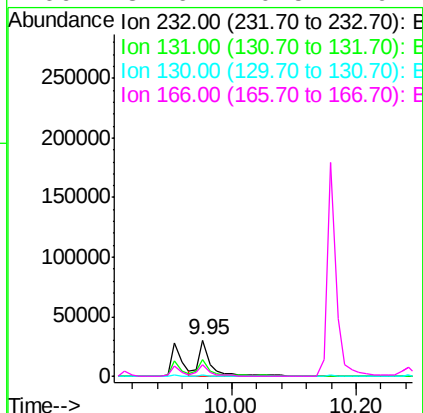
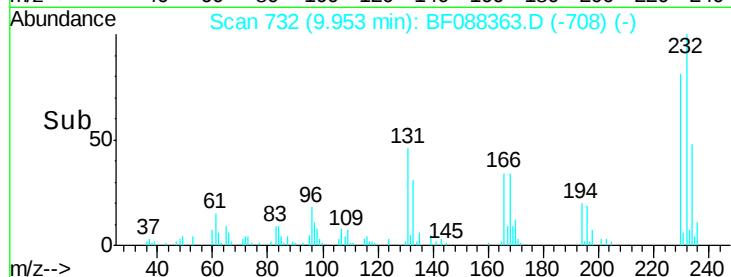
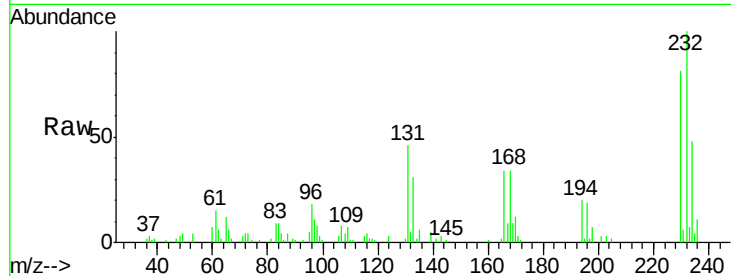
#58
2,3,4,6-Tetrachlorophenol
Concen: 23.30 ng
RT: 9.95 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
232	100		
131	40.4	0.9	1.3#
130	1.6	1.5	2.3
166	32.6	0.5	0.7#

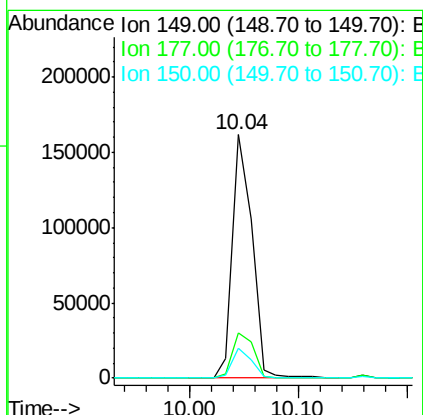
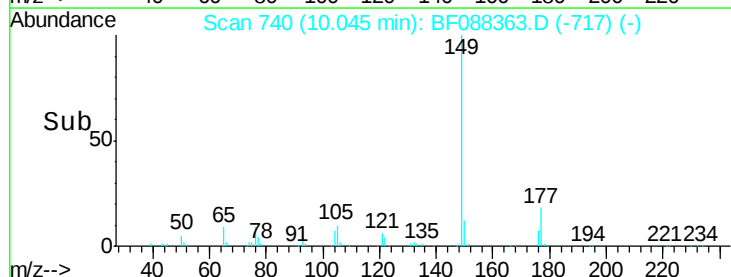
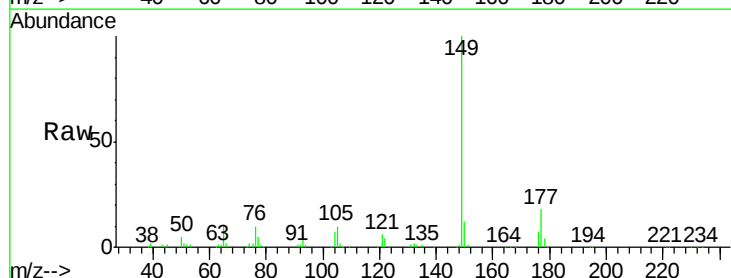
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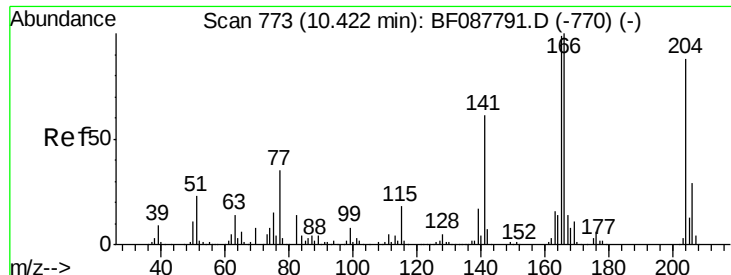
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#59
Diethylphthalate
Concen: 23.89 ng
RT: 10.04 min Scan# 740
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	18.5	16.9	25.3
150	12.5	10.1	15.1





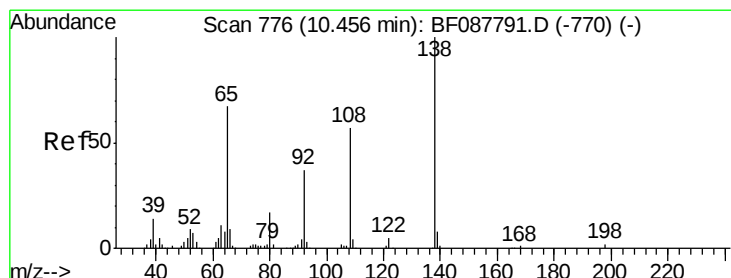
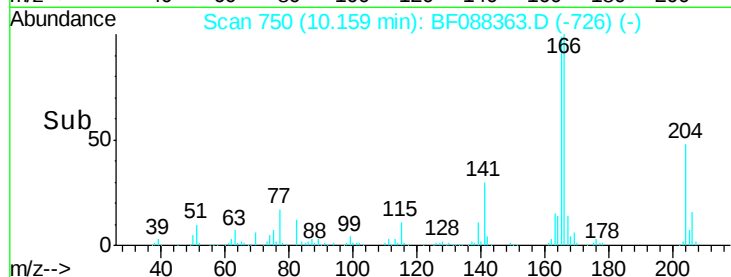
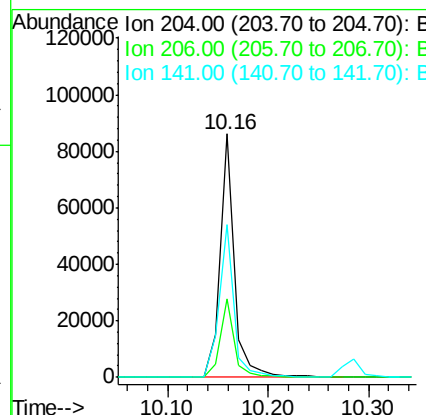
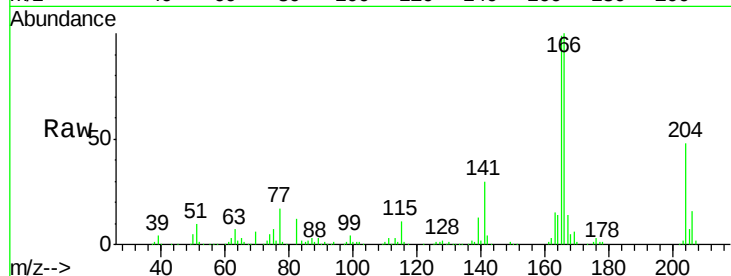
#60
 4-Chlorophenyl-phenylether
 Concen: 25.31 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.3	39.5
141	62.6	55.0	82.6

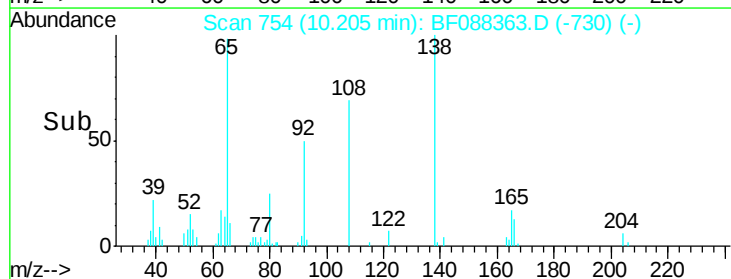
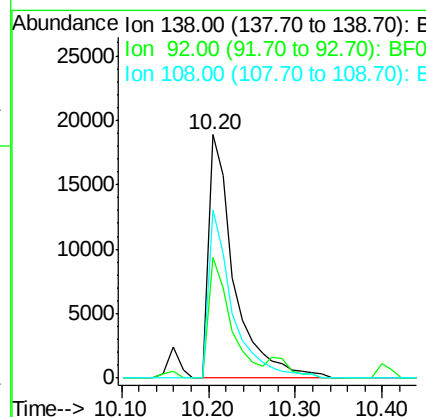
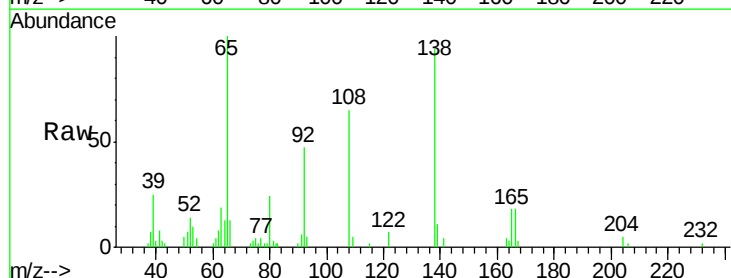
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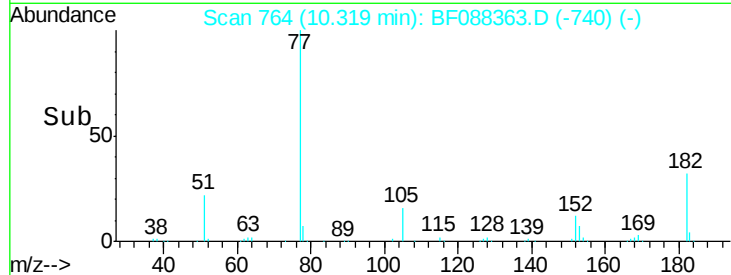
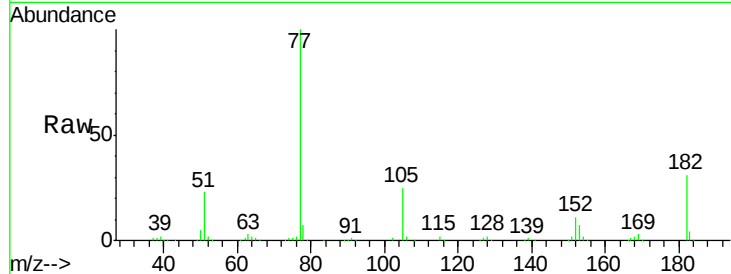
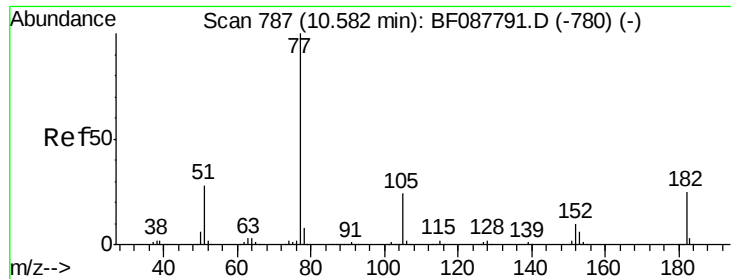
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#61
 4-Nitroaniline
 Concen: 18.44 ng
 RT: 10.20 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.5	27.3	67.3
108	69.2	46.7	86.7





#62

Azobenzene

Concen: 23.04 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
77	100		191345		
182	30.6	4.4	44.4		
105	25.0	3.8	43.8		
51	23.2	9.3	49.3		

Instrument :

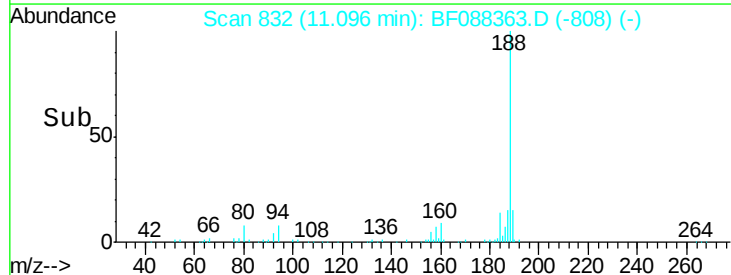
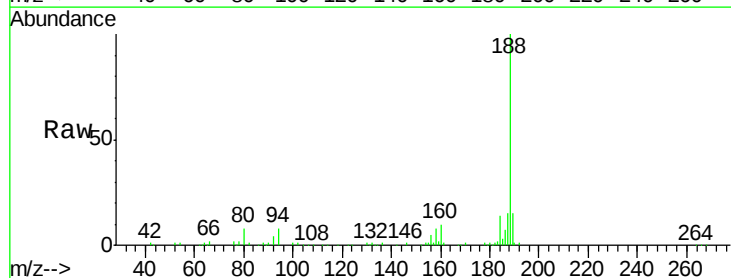
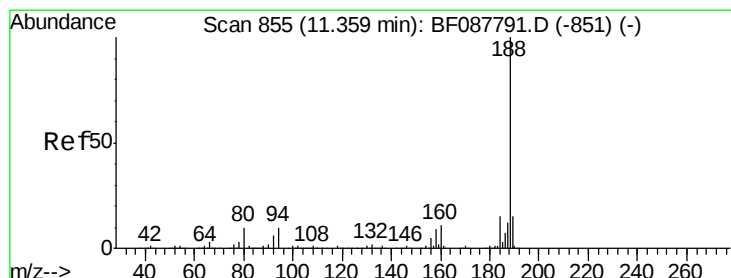
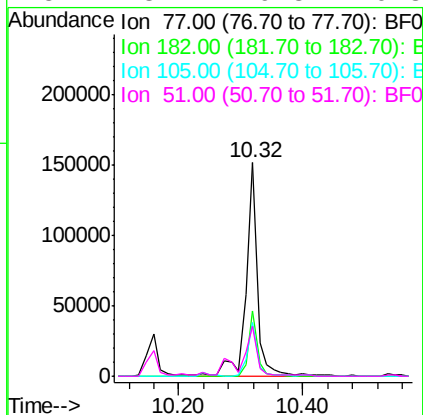
BNA_F

ClientSampleId :

HSR-WC-55-062216MSD

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#63

Phenanthrene-d10

Concen: 20.00 ng

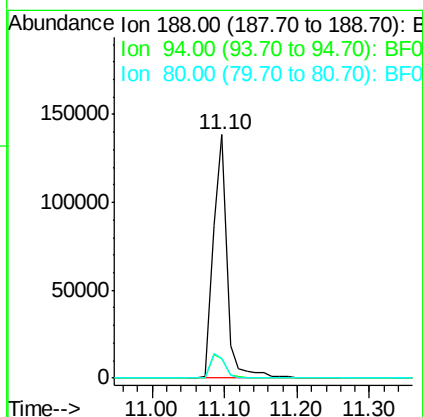
RT: 11.10 min Scan# 832

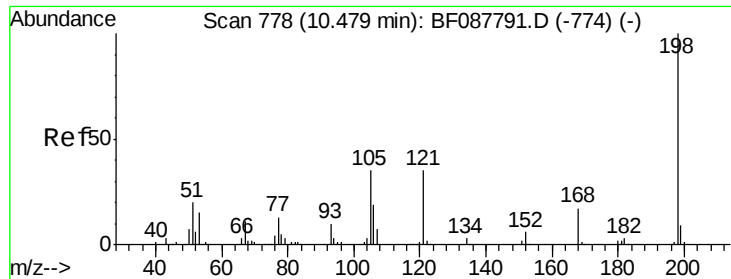
Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

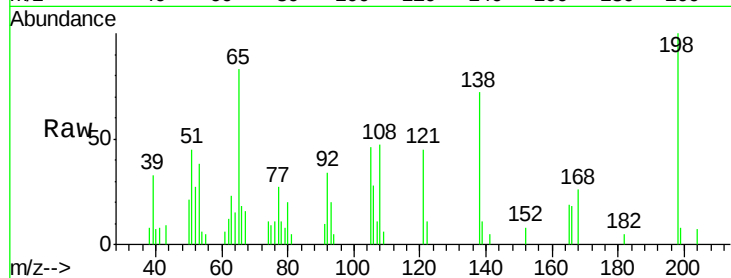
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		180912		
94	8.0	9.0	13.6#		
80	7.9	10.0	15.0#		





#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.24 ng
 RT: 10.24 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

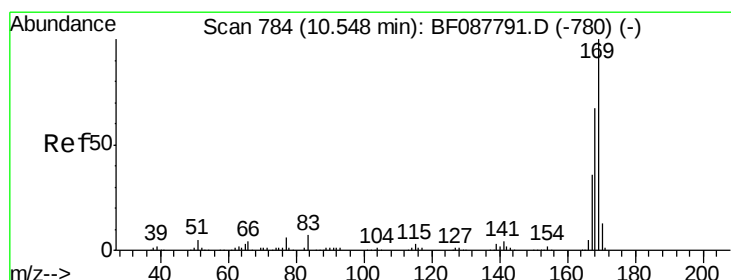
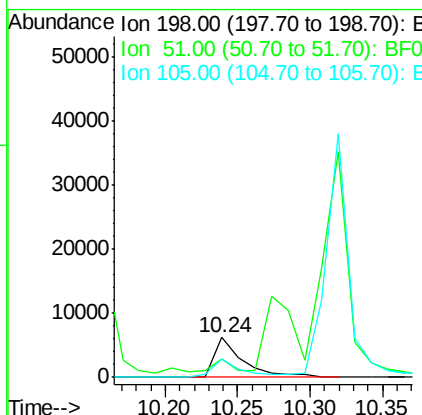
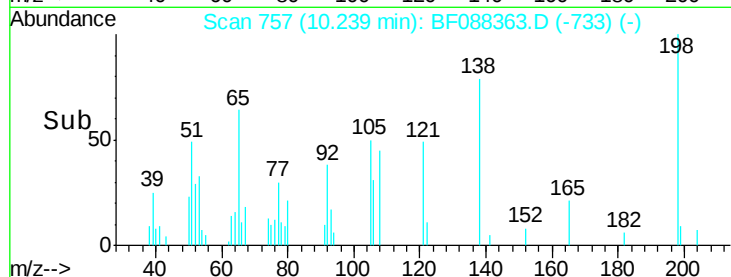
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD



Tgt Ion	Ratio	Resp	Lower	Upper
198	100	8373		
51	45.0	39.6	79.6	
105	45.5	36.6	76.6	

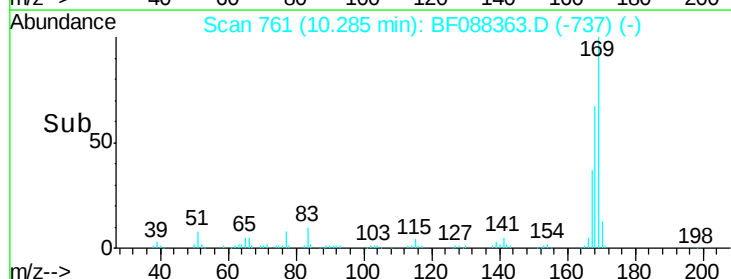
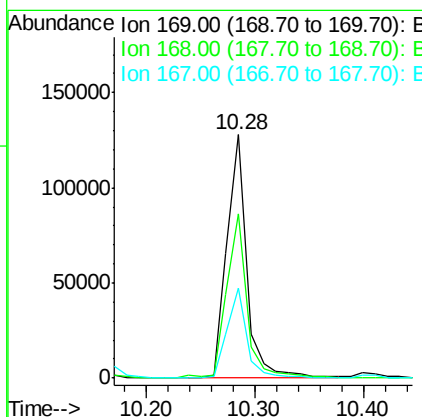
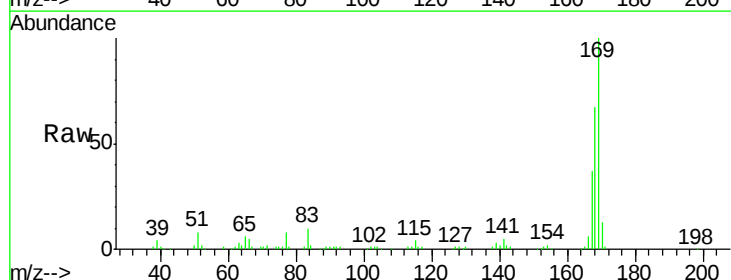
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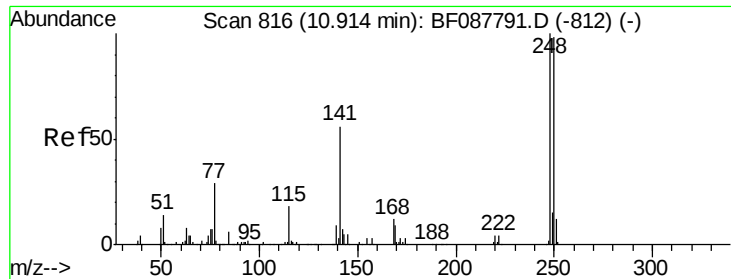
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#65
 n-Nitrosodiphenylamine
 Concen: 27.05 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	162388		
168	67.2	53.4	80.0	
167	36.8	29.4	44.0	





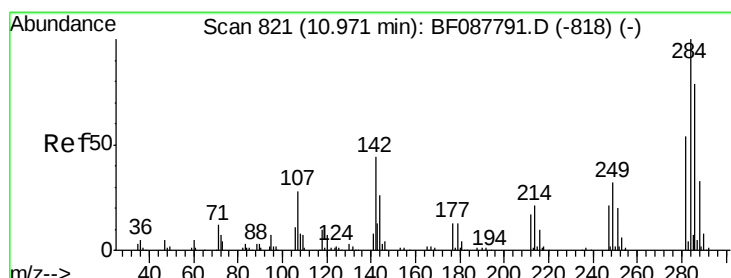
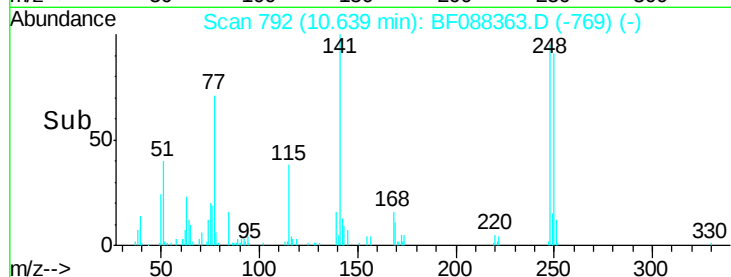
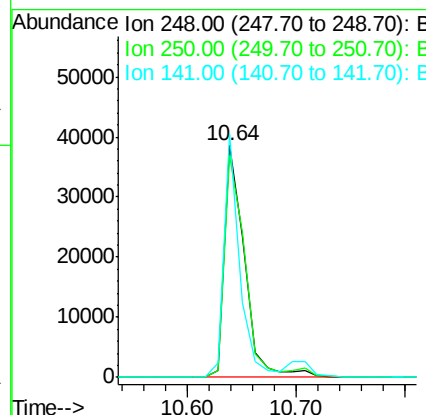
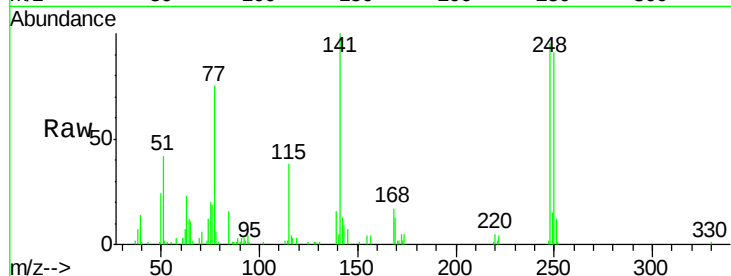
#66
4-Bromophenyl-phenylether
Concen: 25.47 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.9	77.1	115.7
141	105.0	50.6	76.0

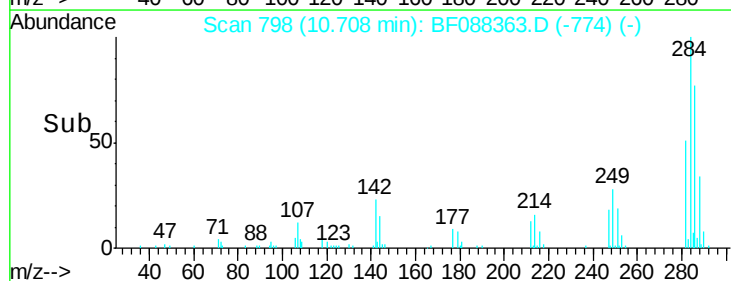
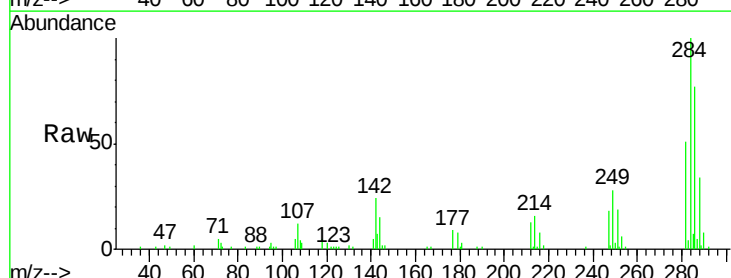
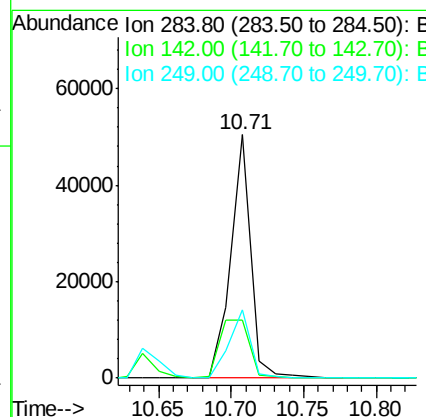
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#67
Hexachlorobenzene
Concen: 23.95 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
284	100		
142	23.6	35.8	53.8
249	28.0	25.8	38.6





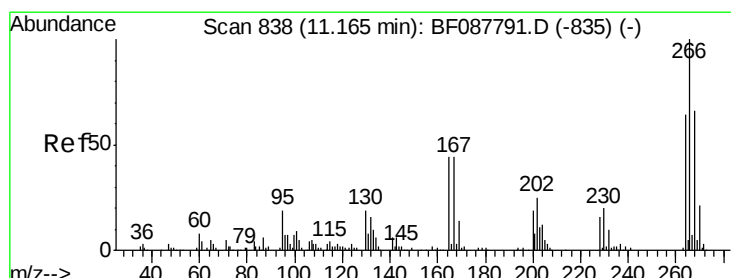
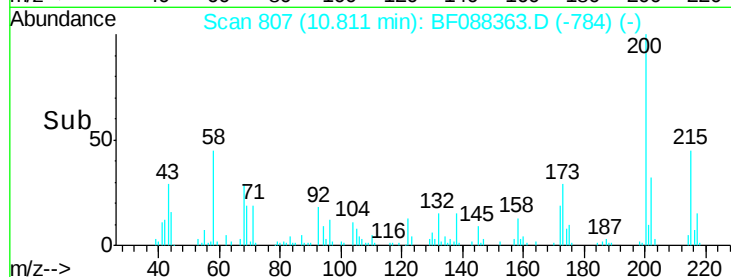
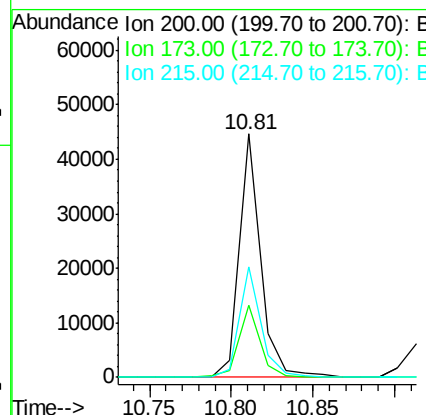
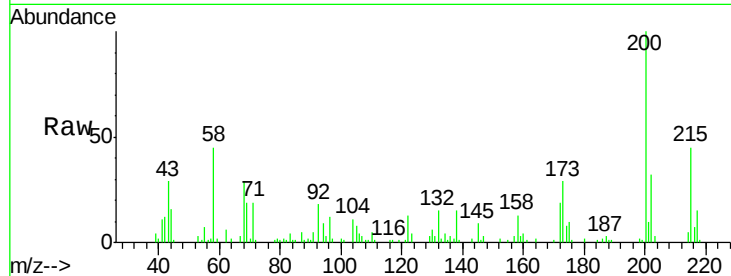
#68
Atrazine
Concen: 22.04 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	29.5	4.0	44.0
215	45.3	29.3	69.3

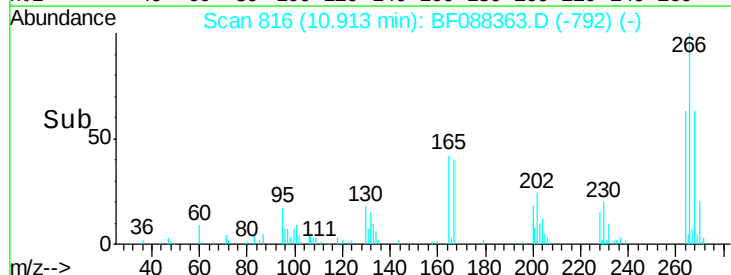
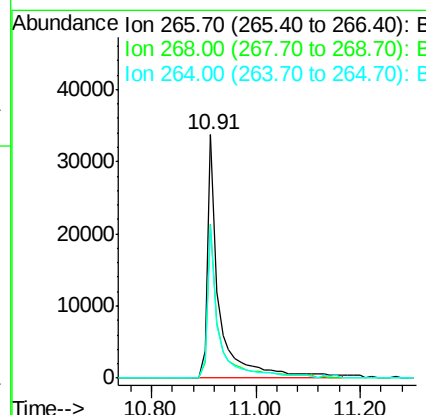
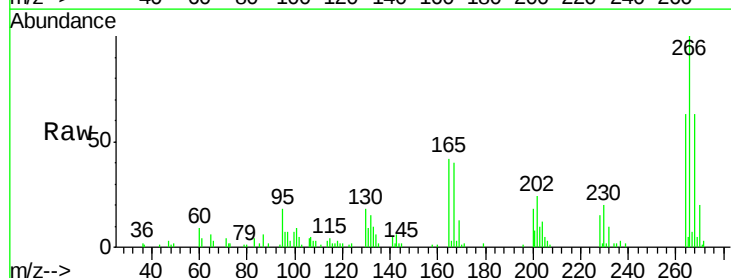
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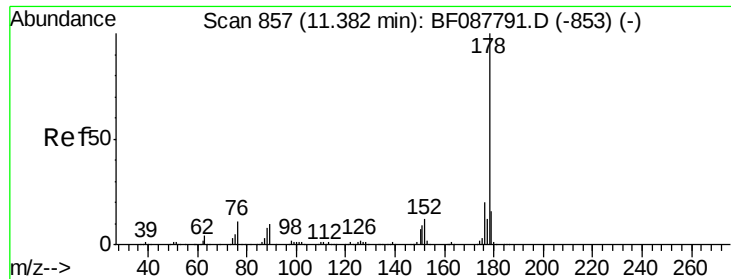
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#69
Pentachlorophenol
Concen: 50.60 ng
RT: 10.91 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.2	52.8	79.2
264	62.5	49.6	74.4





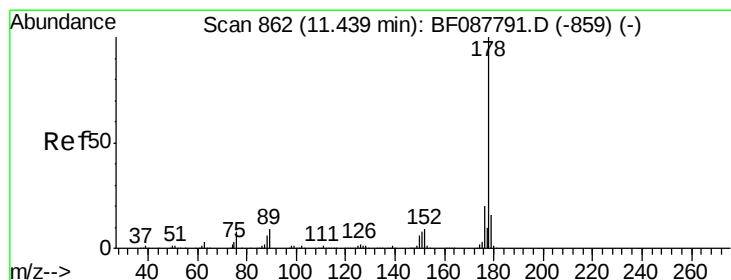
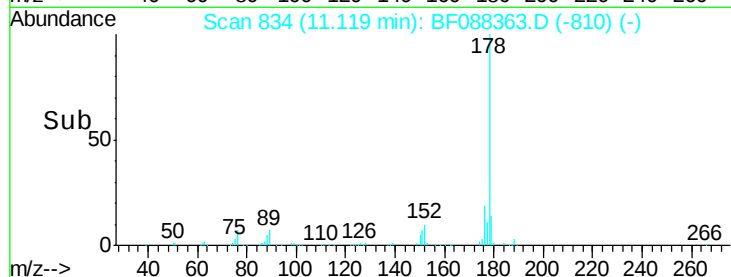
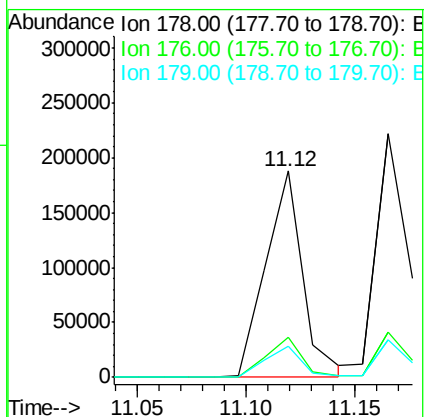
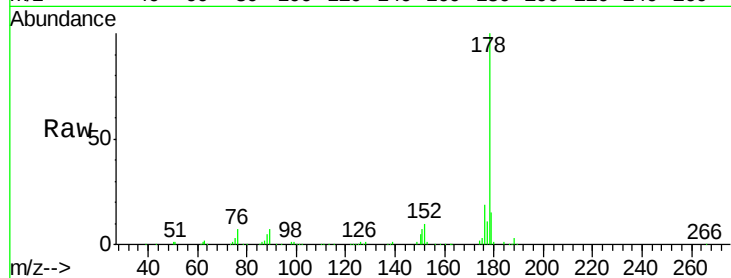
#70
Phenanthrene
Concen: 23.53 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	14.9	13.0	19.4

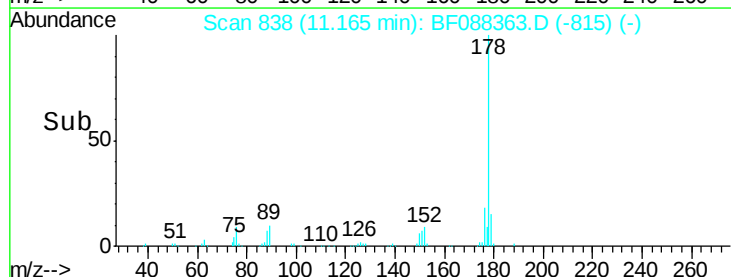
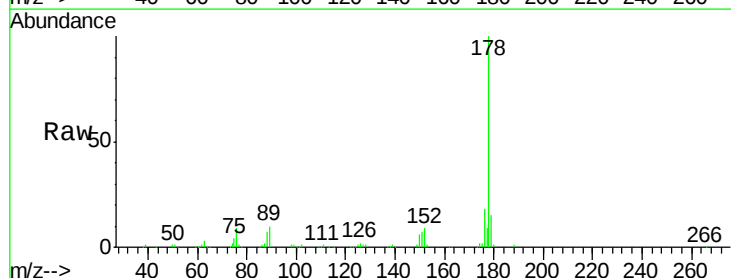
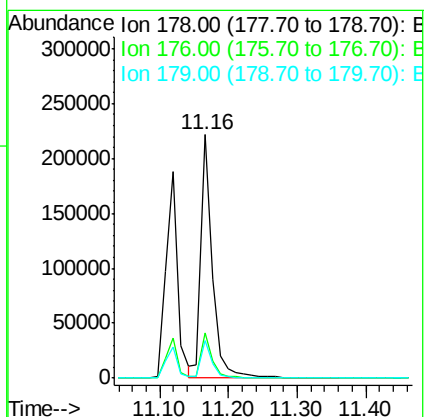
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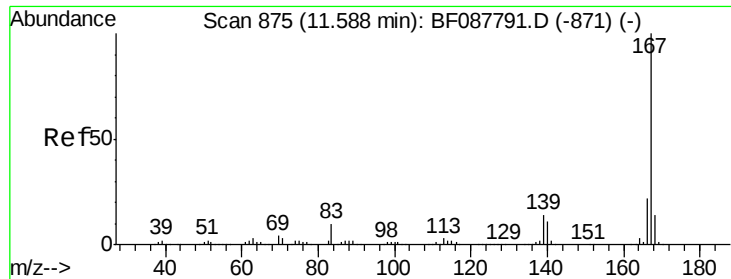
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#71
Anthracene
Concen: 26.61 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.5	12.8	19.2





#72

Carbazole

Concen: 24.05 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF088363.D

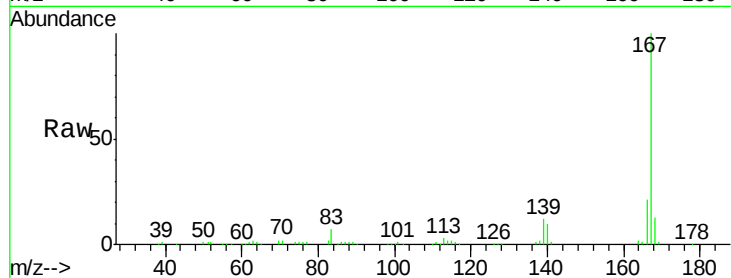
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

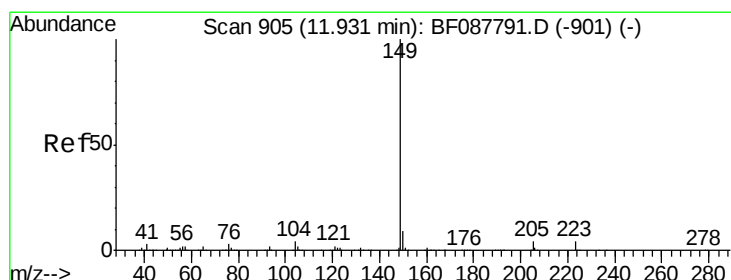
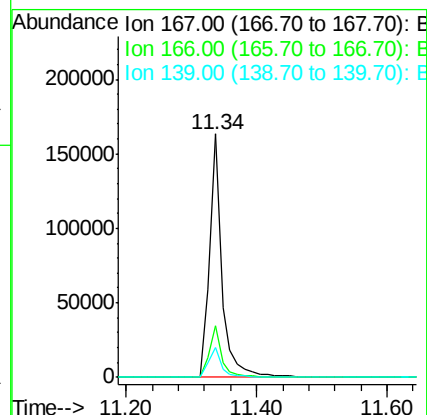
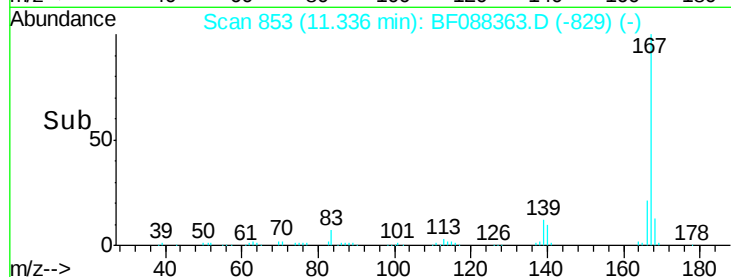
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Tgt Ion:	167	Resp:	215550
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.8	26.6
139	12.0	11.2	16.8

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#73

Di-n-butylphthalate

Concen: 25.73 ng

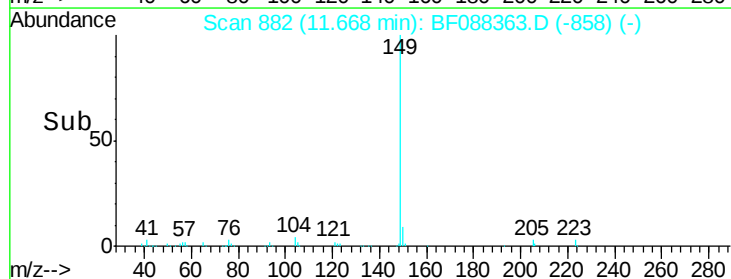
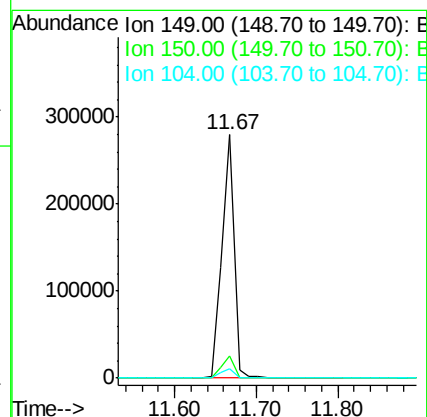
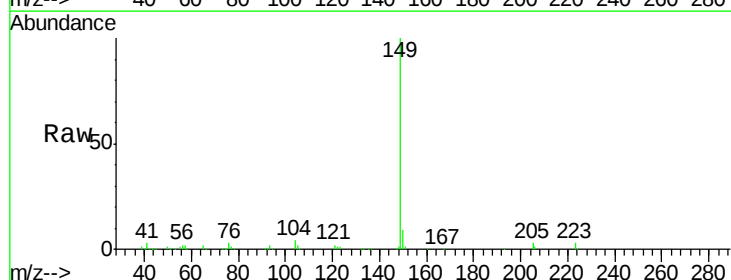
RT: 11.67 min Scan# 882

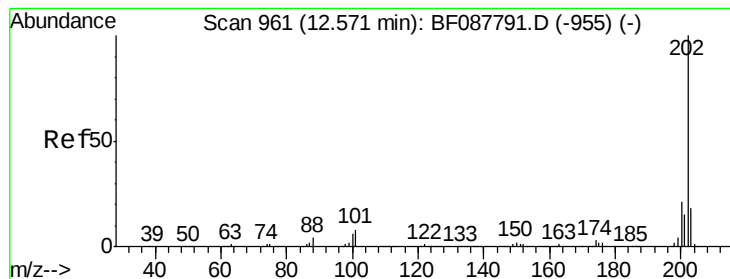
Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion:	149	Resp:	291883
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.8	11.6
104	3.7	4.0	6.0#





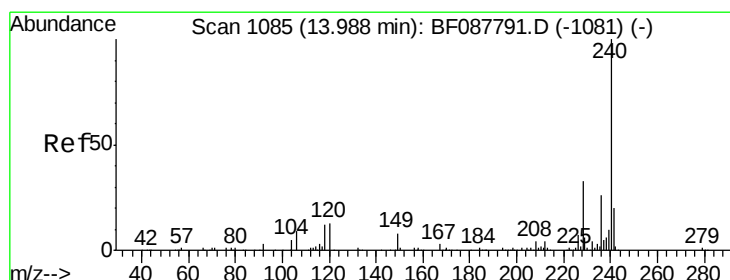
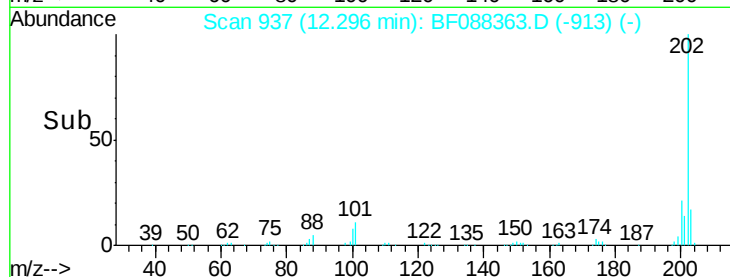
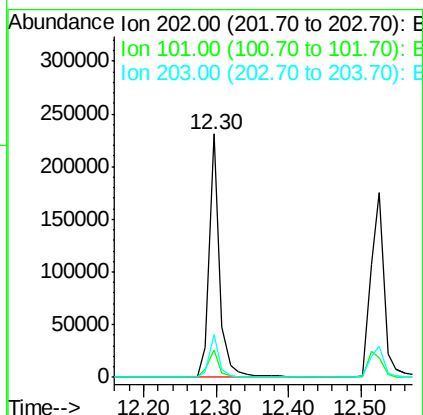
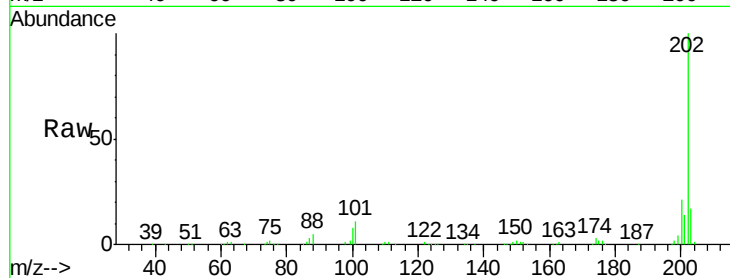
#74
Fluoranthene
 Concen: 22.85 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.2	0.0	33.1
203	17.3	0.0	38.1

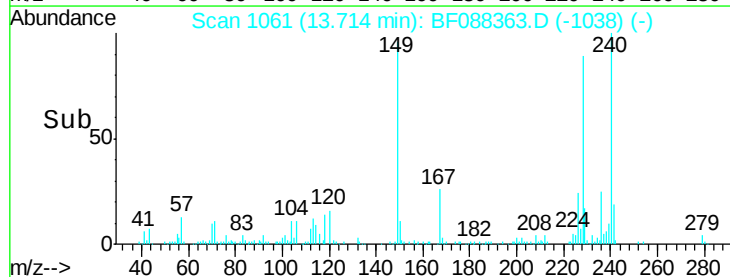
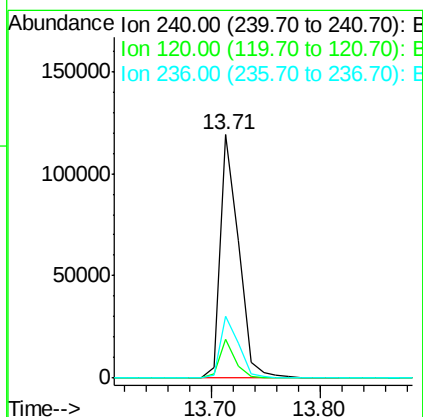
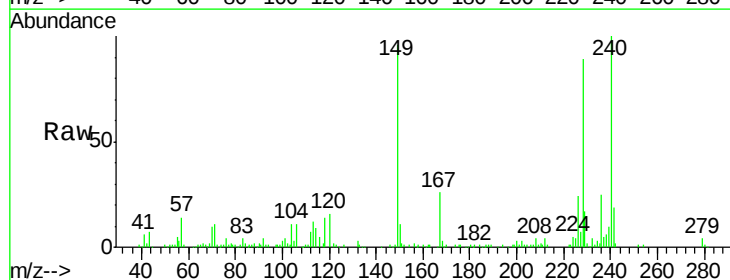
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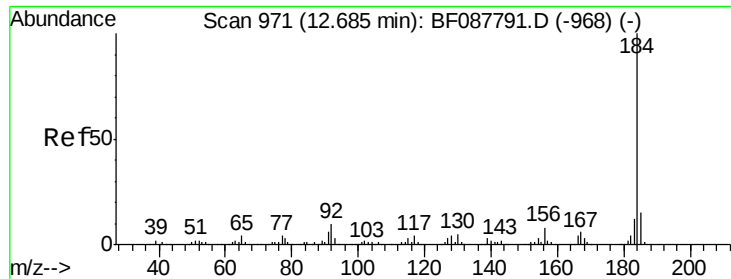
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.8	6.8	10.2#
236	25.2	20.2	30.2





#76

Benzidine

Concen: 14.07 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

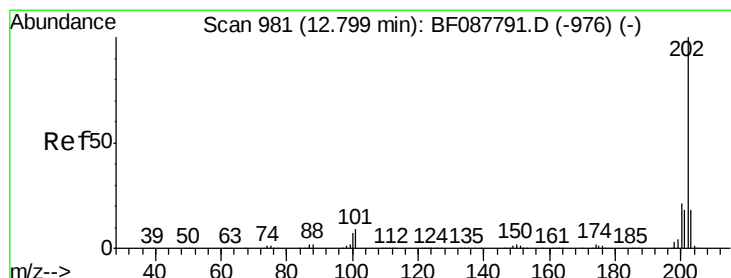
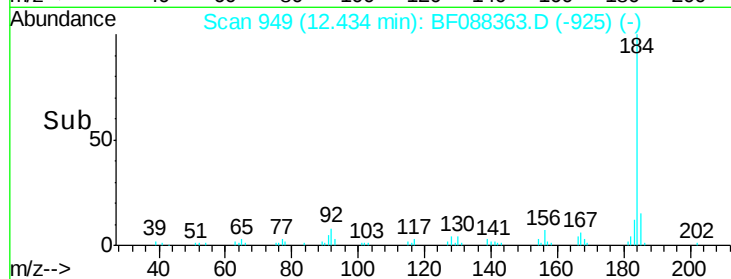
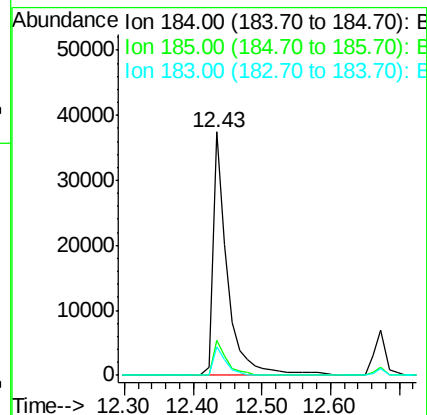
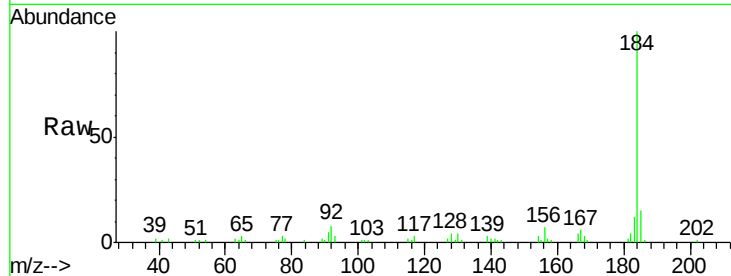
ClientSampleId :

HSR-WC-55-062216MSD

Tgt Ion:	184	Resp:	54622
Ion Ratio	Lower	Upper	
184	100		
185	14.5	12.5	18.7
183	11.6	9.3	13.9

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#77

Pyrene

Concen: 21.48 ng

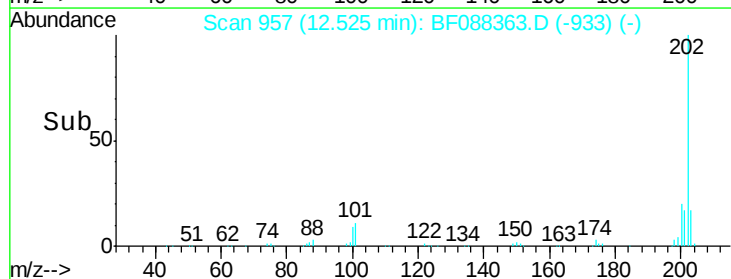
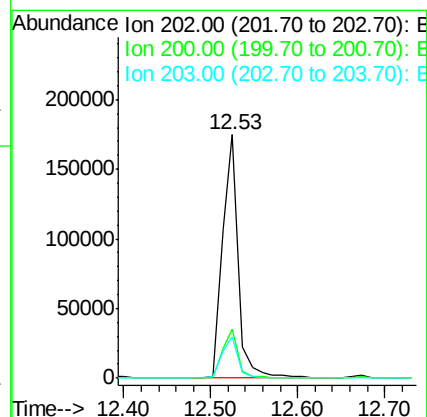
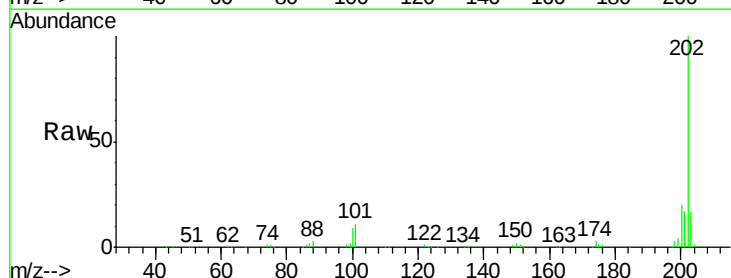
RT: 12.53 min Scan# 957

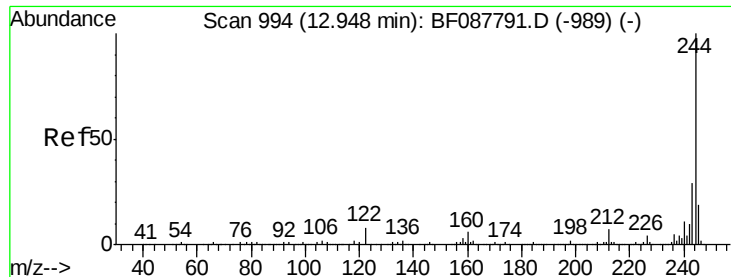
Delta R.T. -0.02 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

Tgt Ion:	202	Resp:	223457
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.4	26.2
203	16.9	14.5	21.7





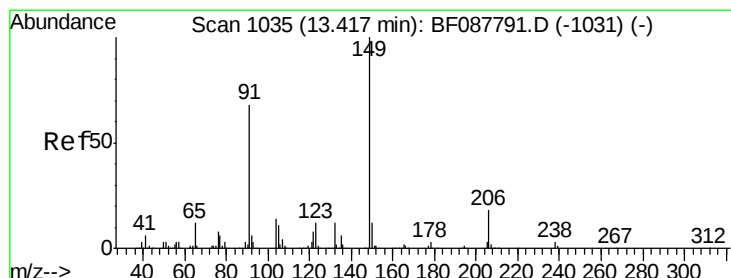
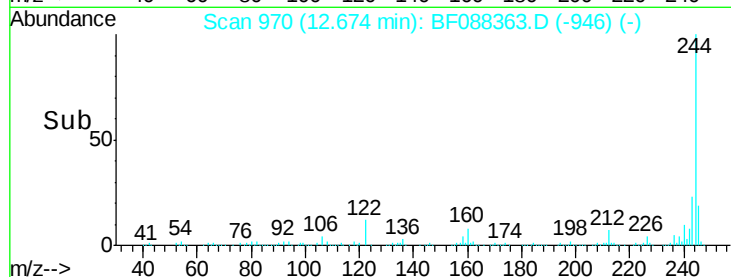
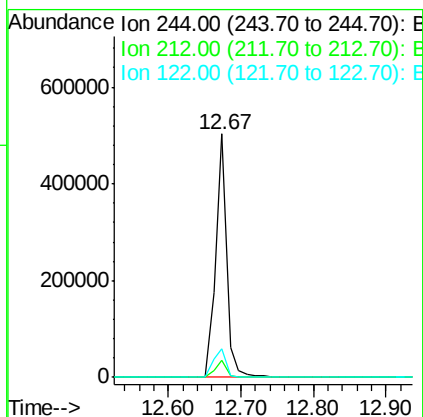
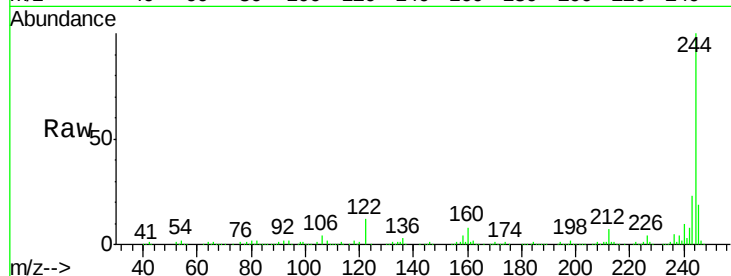
#78
 Terphenyl-d14
 Concen: 85.99 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	6.0	9.0
122	11.8	11.2	16.8

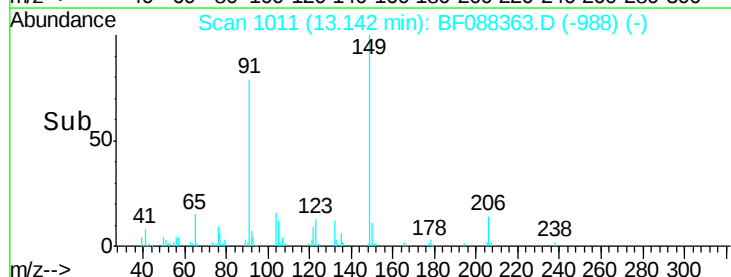
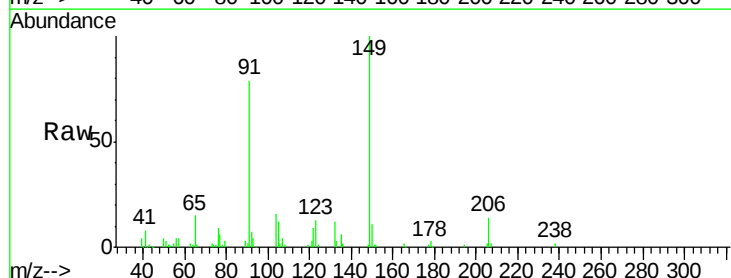
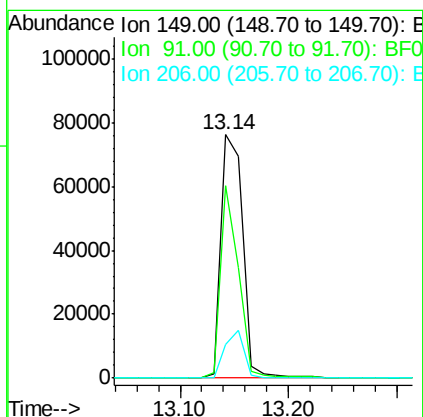
Manual Integrations
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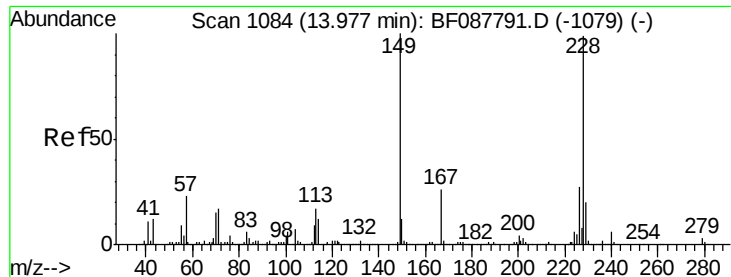
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#79
 Butylbenzylphthalate
 Concen: 23.02 ng
 RT: 13.14 min Scan# 1011
 Delta R.T. -0.03 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	79.0	48.0	72.0#
206	13.7	16.0	24.0#





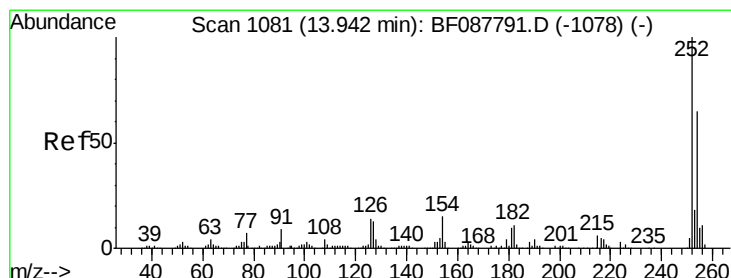
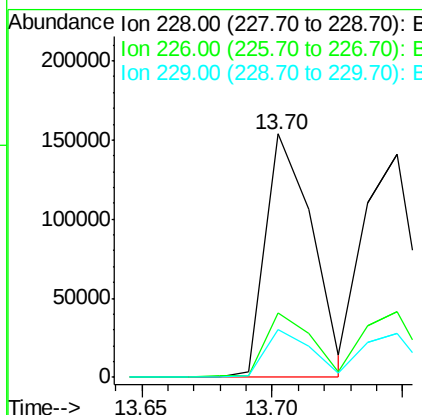
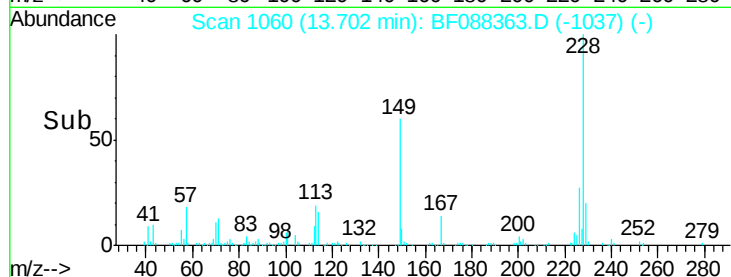
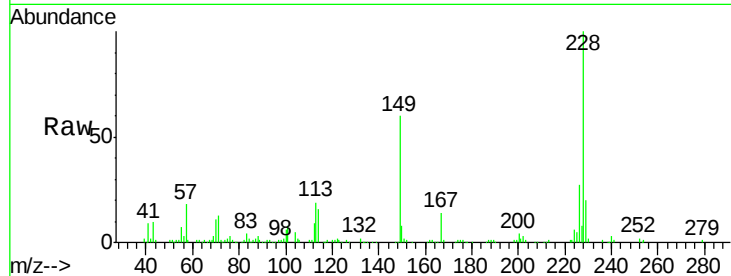
#80
Benzo(a)anthracene
Concen: 23.77 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	189913		
226	26.7	22.3	33.5	
229	19.8	16.0	24.0	

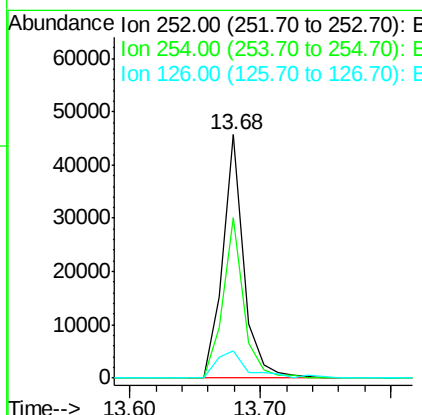
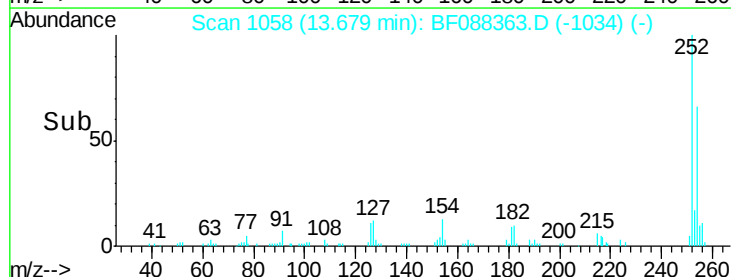
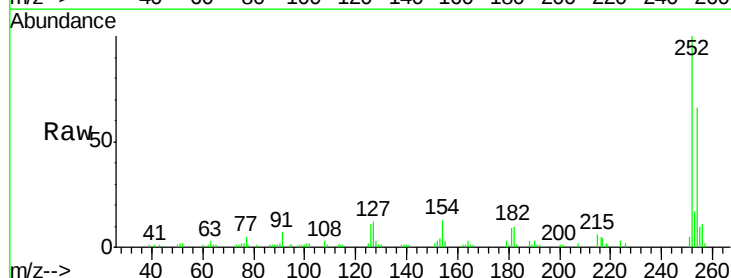
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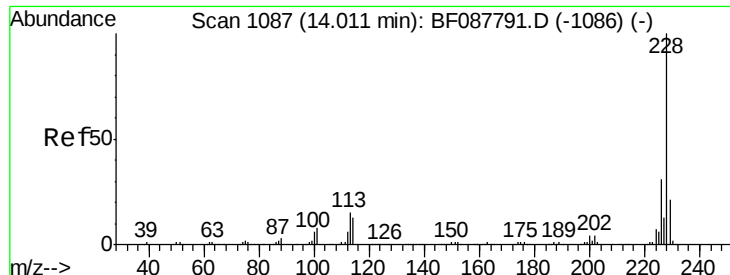
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#81
3,3'-Dichlorobenzidine
Concen: 24.01 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	51587		
254	65.6	52.6	78.8	
126	11.0	6.2	9.2	





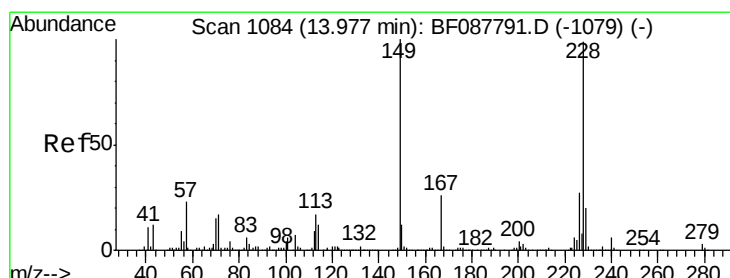
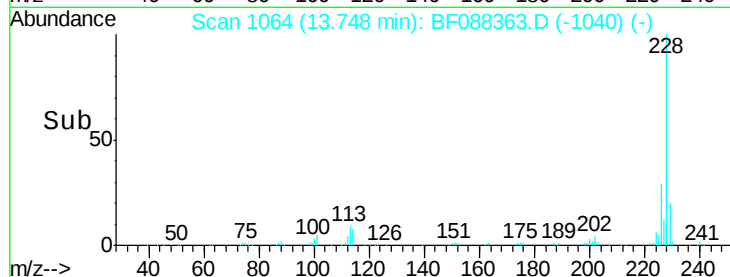
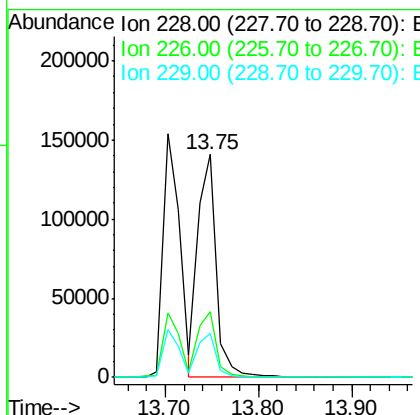
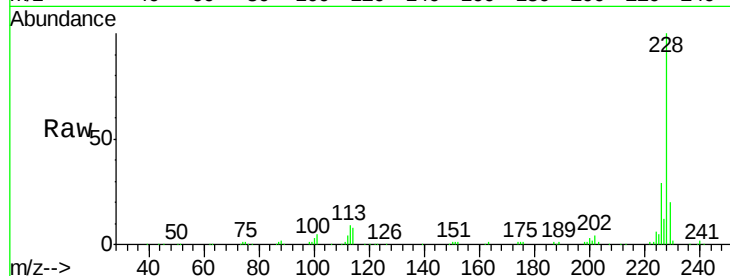
#82
Chrysene
Concen: 26.12 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	196347		
226	29.3	25.4	38.2	
229	19.7	16.3	24.5	

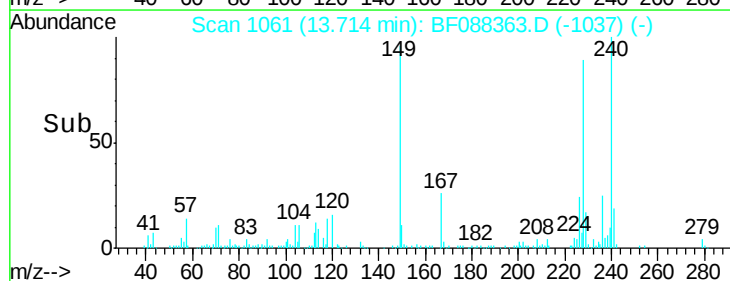
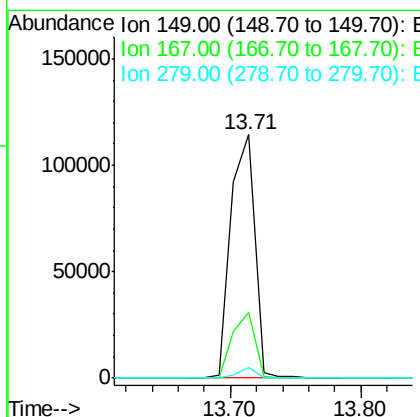
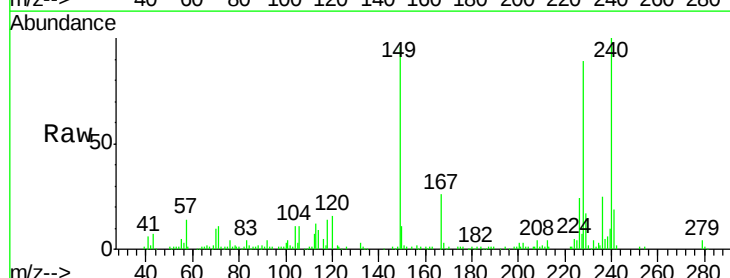
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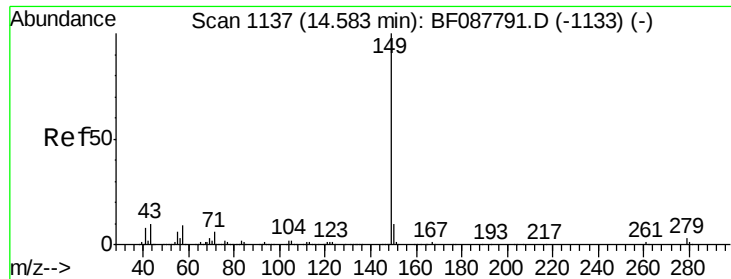
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#83
Bis(2-ethylhexyl)phthalate
Concen: 26.06 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	145911		
167	26.8	20.5	30.7	
279	4.2	2.0	3.0	





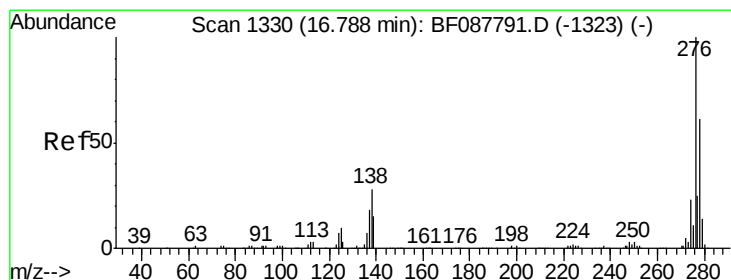
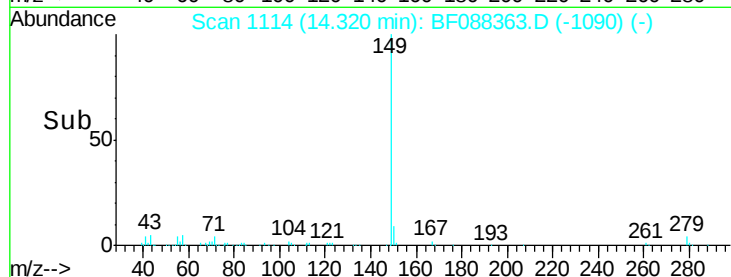
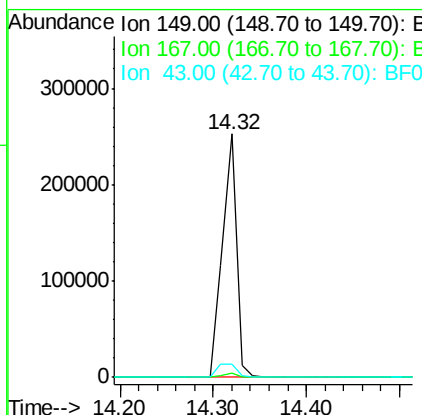
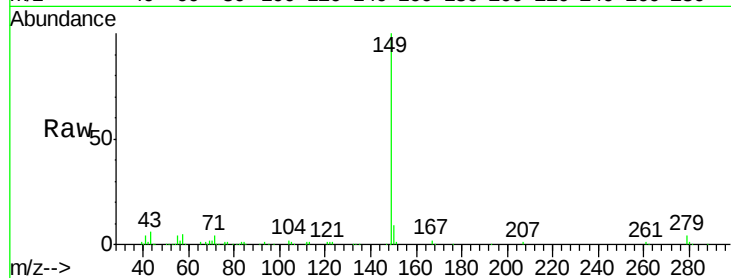
#84
Di-n-octyl phthalate
Concen: 29.22 ng
RT: 14.32 min Scan# 1114
Delta R.T. -0.02 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.4	0.0	0.0#
43	7.6	0.0	0.0#

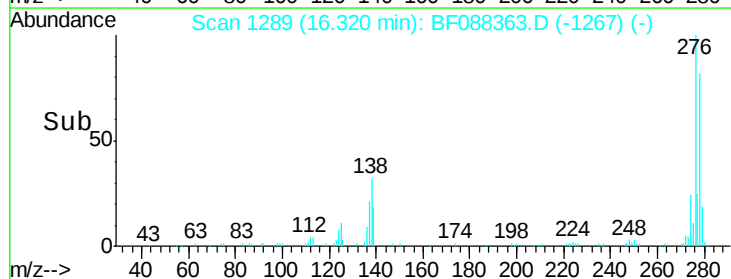
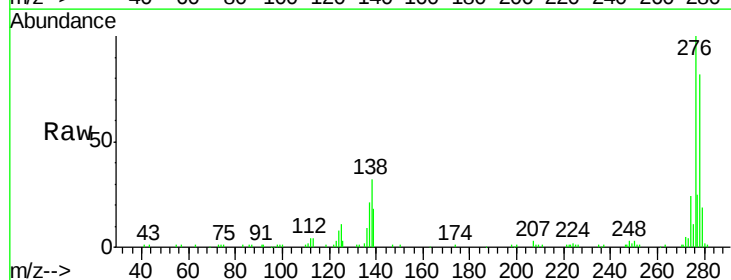
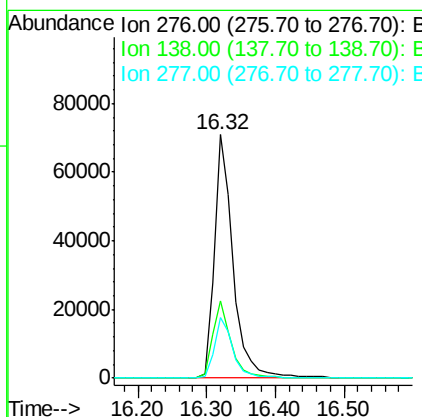
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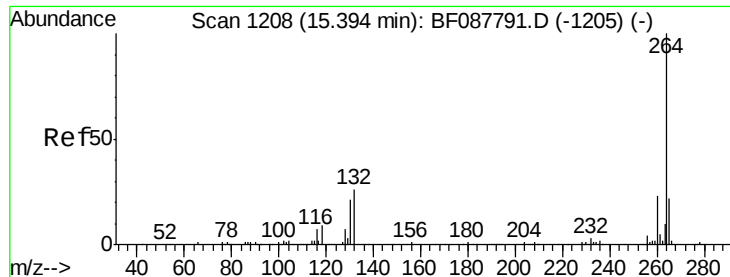
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#85
Indeno(1,2,3-cd)pyrene
Concen: 19.45 ng
RT: 16.32 min Scan# 1289
Delta R.T. -0.05 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	31.0	0.0	0.0#
277	24.6	0.0	0.0#





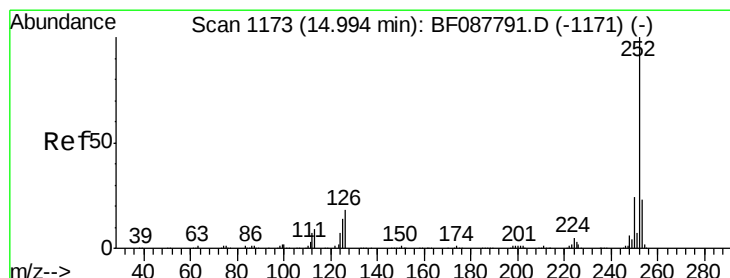
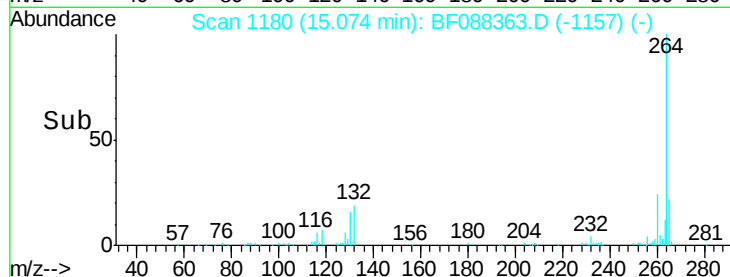
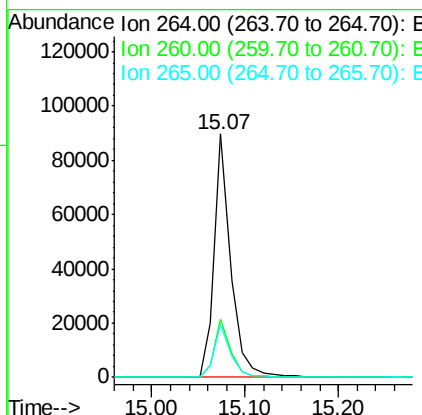
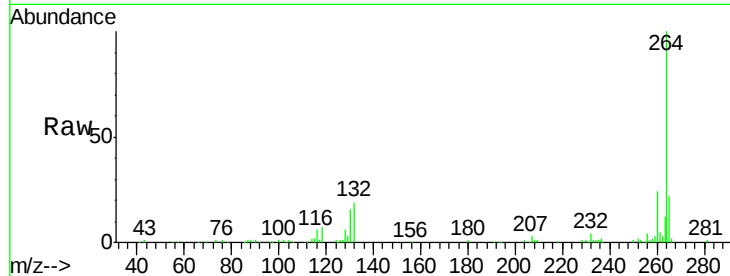
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	16.9	25.3

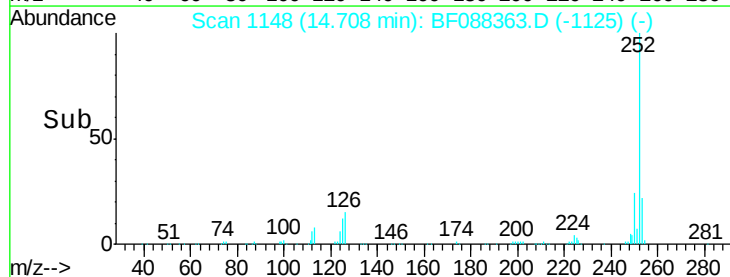
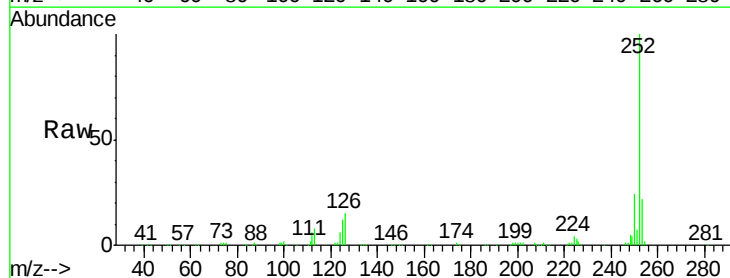
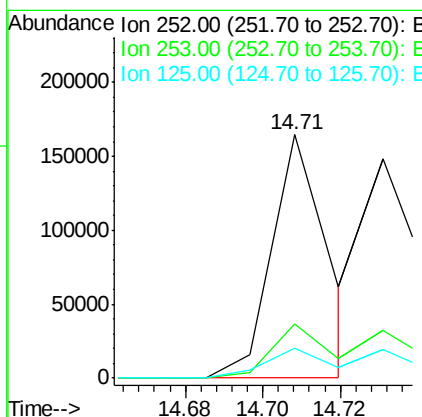
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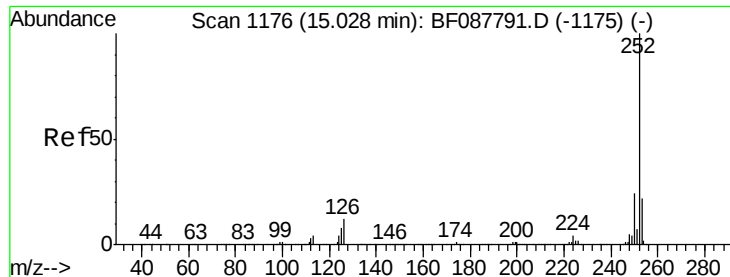
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#87
Benzo(b)fluoranthene
Concen: 21.44 ng m
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF088363.D
Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	12.1	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 28.79 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF088363.D

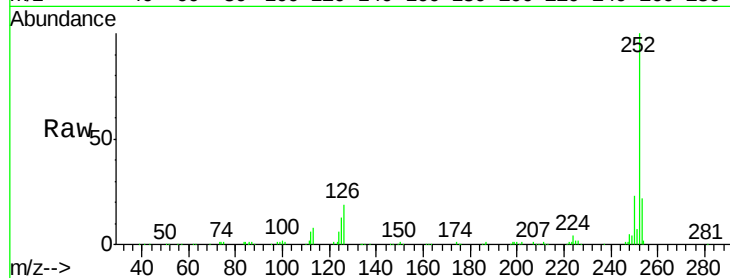
Acq: 25 Jun 2016 7:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-55-062216MSD



Tgt Ion: 252 Resp: 168692

Ion Ratio Lower Upper

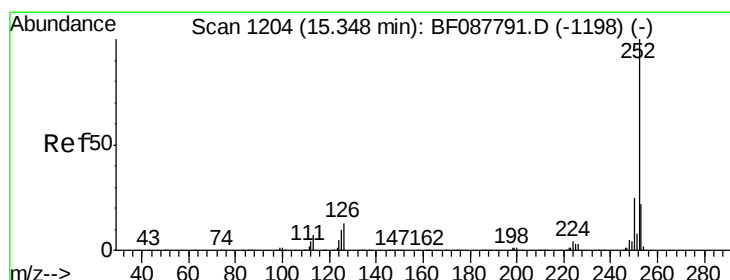
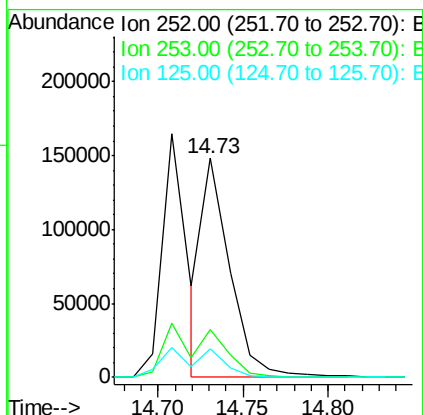
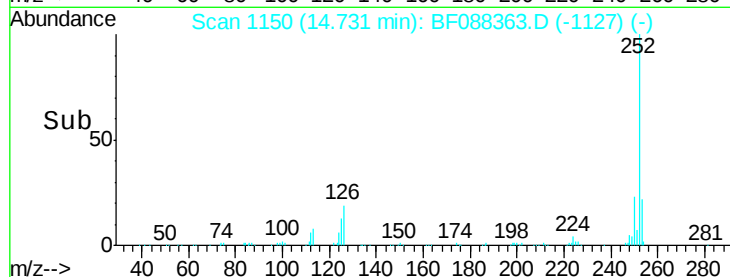
252 100

253 21.8 18.0 27.0

125 13.1 11.2 16.8

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#89

Benzo(a)pyrene

Concen: 23.97 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.03 min

Lab File: BF088363.D

Acq: 25 Jun 2016 7:15

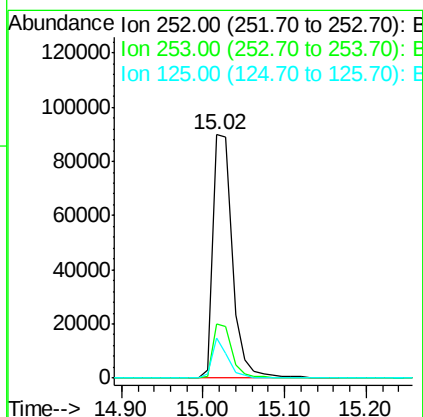
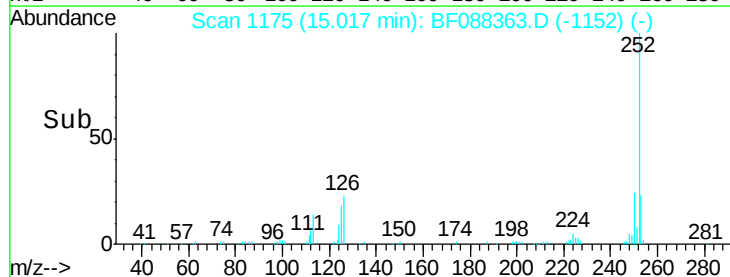
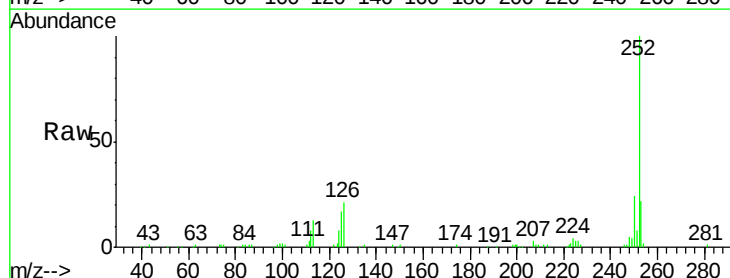
Tgt Ion: 252 Resp: 150678

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 16.6 12.5 18.7





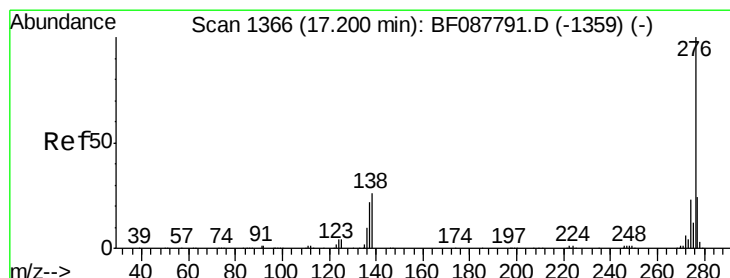
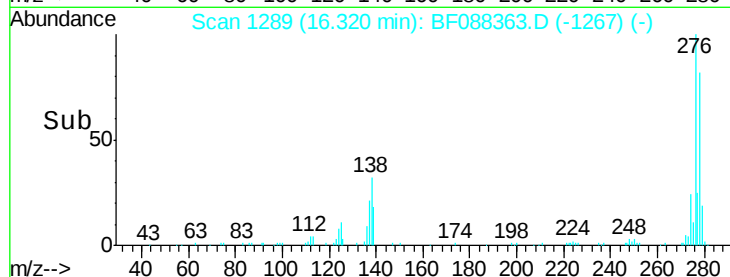
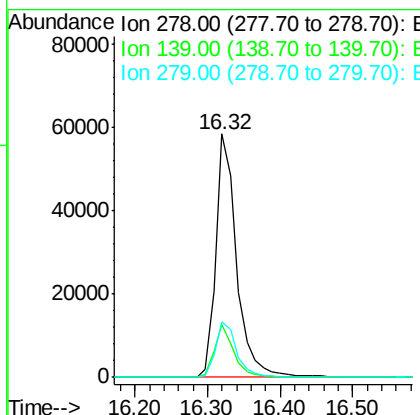
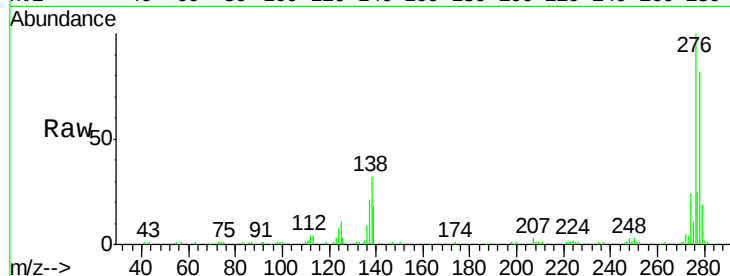
#90
 Dibenzo(a,h)anthracene
 Concen: 19.85 ng
 RT: 16.32 min Scan# 1289
 Delta R.T. -0.05 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-55-062216MSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	15.7	23.5
279	22.9	19.4	29.2

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#91
 Benzo(g,h,i)perylene
 Concen: 18.28 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. -0.05 min
 Lab File: BF088363.D
 Acq: 25 Jun 2016 7:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.9	28.3
138	24.6	21.4	32.2

