

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086885.D
 Acq On : 11 May 2016 7:07
 Operator : UM/SJ
 Sample : H2916-07MSD
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Manual Integrations
 APPROVED

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 5/11/2016 8:19:12 PM

Quant Time: May 11 08:39:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	140073	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	542663	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	220833	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	344268	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	256474	20.00	ng	-0.01
86) Perylene-d12	15.20	264	230601	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1070480	129.42	ng	0.00
7) Phenol-d6	6.35	99	1411603	127.70	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1012970	93.73	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	251231	107.46	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1278336	97.29	ng	0.00
78) Terphenyl-d14	12.79	244	938744	77.66	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	149213	36.75	ng	# 68
3) Pyridine	2.90	79	452917	45.63	ng	# 62
4) n-Nitrosodimethylamine	2.86	42	343917	47.78	ng	# 51
6) Aniline	6.36	93	203955	15.26	ng	# 1
8) 2-Chlorophenol	6.48	128	416947	41.78	ng	83
9) Benzaldehyde	6.24	77	42623	6.66	ng	98
10) Phenol	6.37	94	447277	34.04	ng	92
11) bis(2-Chloroethyl)ether	6.43	93	450060	43.93	ng	88
12) 1,3-Dichlorobenzene	6.62	146	470304	43.54	ng	97
13) 1,4-Dichlorobenzene	6.70	146	479038	43.49	ng	97
14) 1,2-Dichlorobenzene	6.85	146	395471	41.20	ng	95
15) Benzyl Alcohol	6.85	79	362112	47.44	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	960225	43.11	ng	70
17) 2-Methylphenol	6.98	107	331736	41.77	ng	# 77
18) Hexachloroethane	7.20	117	177370	42.80	ng	# 92
19) n-Nitroso-di-n-propylamine	7.12	70	329884	42.70	ng	# 65
20) 3+4-Methylphenols	7.14	107	448051	43.20	ng	# 60
22) Acetophenone	7.10	105	614191	47.92	ng	# 96
24) Nitrobenzene	7.28	77	454501	40.88	ng	93
25) Isophorone	7.53	82	861380	42.96	ng	# 89
26) 2-Nitrophenol	7.60	139	224033	45.84	ng	# 79
27) 2,4-Dimethylphenol	7.65	122	346469	41.62	ng	89
28) bis(2-Chloroethoxy)methane	7.73	93	494094	45.68	ng	# 98
29) 2,4-Dichlorophenol	7.86	162	310005	42.31	ng	93
30) 1,2,4-Trichlorobenzene	7.92	180	365987	44.67	ng	97
31) Naphthalene	8.00	128	1219958	44.88	ng	99
33) 4-Chloroaniline	8.06	127	88380	8.37	ng	# 94
34) Hexachlorobutadiene	8.11	225	201811	42.46	ng	98
35) Caprolactam	8.43	113	90918	36.47	ng	# 59
36) 4-Chloro-3-methylphenol	8.56	107	307684	34.63	ng	85
37) 2-Methylnaphthalene	8.68	142	698480	43.96	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	332508	51.79	ng	98
40) Hexachlorocyclopentadiene	8.84	237	177104	58.11	ng	93
42) 2,4,6-Trichlorophenol	8.98	196	194146	45.22	ng	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.02	196	198043	44.60	nq	# 91
45) 1,1'-Biphenyl	9.15	154	855714	48.72	nq	97
46) 2-Chloronaphthalene	9.17	162	644361	46.82	nq	95
47) 2-Nitroaniline	9.29	65	210296	41.81	nq	94
48) Acenaphthylene	9.58	152	939945	46.44	nq	99
49) Dimethylphthalate	9.46	163	903269	53.61	nq	99
50) 2,6-Dinitrotoluene	9.53	165	162071	45.71	nq	# 72
51) Acenaphthene	9.76	154	600581	47.70	nq	99
52) 3-Nitroaniline	9.70	138	88047	23.59	nq	93
53) 2,4-Dinitrophenol	9.80	184	42701	28.99	nq	# 79
54) Dibenzofuran	9.93	168	789125	48.82	nq	94
55) 4-Nitrophenol	9.88	139	154392	63.05	nq	# 63
56) 2,4-Dinitrotoluene	9.93	165	197394	44.99	nq	# 87
57) Fluorene	10.27	166	652540	47.34	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.05	232	151063	45.19	nq	98
59) Diethylphthalate	10.16	149	725751	44.20	nq	98
60) 4-Chlorophenyl-phenylether	10.26	204	280264	47.34	nq	94
61) 4-Nitroaniline	10.30	138	121920	34.01	nq	# 69
62) Azobenzene	10.42	77	778230	43.94	nq	83
64) 4,6-Dinitro-2-methylphenol	10.33	198	63012	29.46	nq	# 29
65) n-Nitrosodiphenylamine	10.38	169	514376	48.63	nq	100
66) 4-Bromophenyl-phenylether	10.75	248	173416	49.68	nq	95
67) Hexachlorobenzene	10.81	284	201622	49.43	nq	# 59
68) Atrazine	10.92	200	177391	50.21	nq	95
69) Pentachlorophenol	11.01	266	170422	90.40	nq	97
70) Phenanthrene	11.22	178	838295	45.63	nq	100
71) Anthracene	11.28	178	879812	46.82	nq	100
72) Carbazole	11.44	167	714084	44.21	nq	99
73) Di-n-butylphthalate	11.77	149	933919	47.35	nq	# 98
74) Fluoranthene	12.41	202	858418	45.43	nq	92
76) Benzidine	12.53	184	217530	33.27	nq	97
77) Pyrene	12.63	202	820200	41.77	nq	99
79) Butylbenzylphthalate	13.25	149	365270	43.98	nq	# 64
80) Benzo(a)anthracene	13.81	228	650052	45.15	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	131475	14.37	nq	# 94
82) Chrysene	13.85	228	624160	42.62	nq	100
83) Bis(2-ethylhexyl)phthalate	13.81	149	498053	49.85	nq	# 94
84) Di-n-octyl phthalate	14.43	149	925989	55.95	nq	# 85
85) Indeno(1,2,3-cd)pyrene	16.49	276	592857	48.65	nq	95
87) Benzo(b)fluoranthene	14.82	252	609423m	40.66	nq	
88) Benzo(k)fluoranthene	14.84	252	632542m	51.55	nq	
89) Benzo(a)pyrene	15.14	252	600090	46.42	nq	# 96
90) Dibenzo(a,h)anthracene	16.50	278	503417	46.21	nq	# 95
91) Benzo(g,h,i)perylene	16.88	276	493807	44.61	nq	# 91

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

```

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Misc      :
ALS Vial  : 44    Sample Multiplier: 1

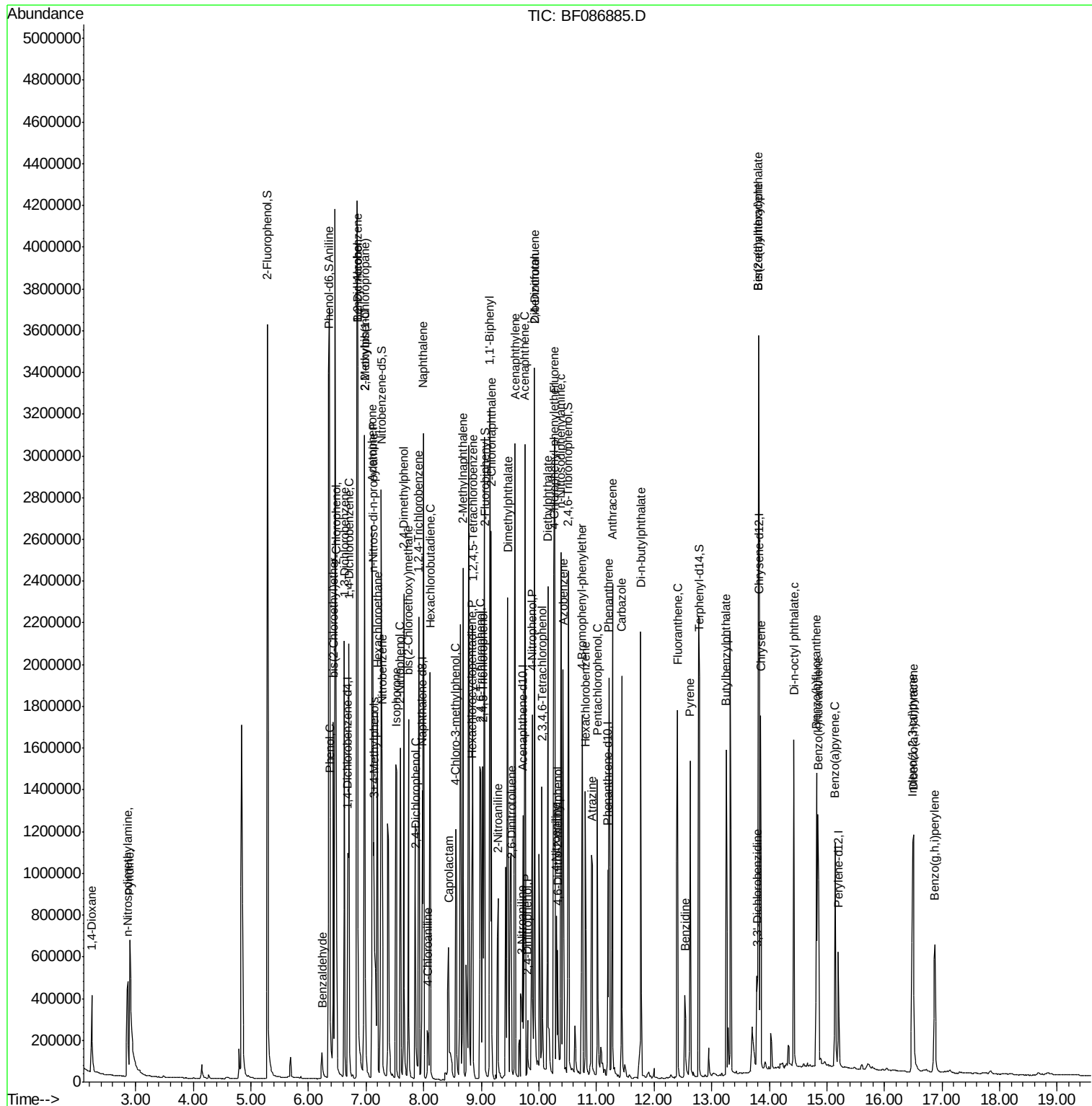
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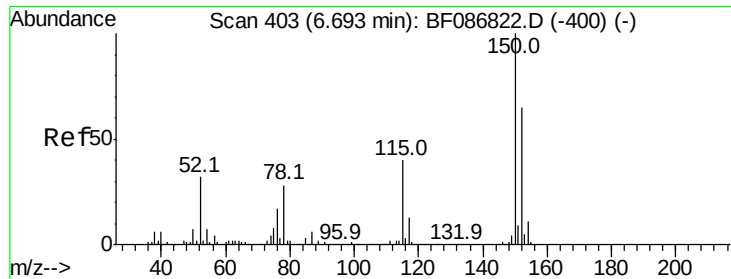
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

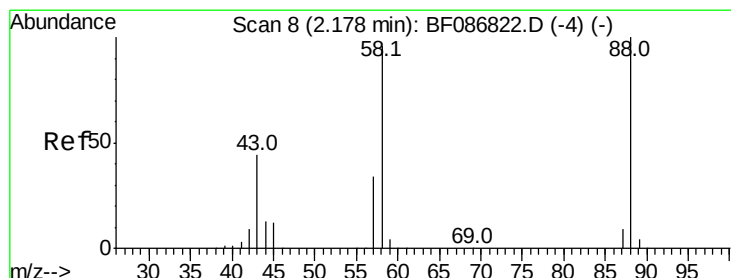
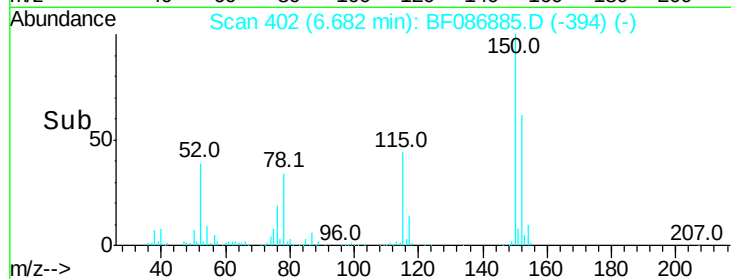
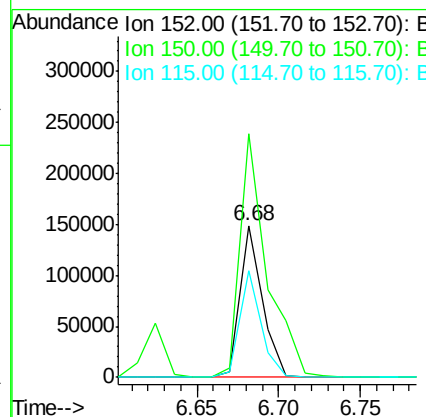
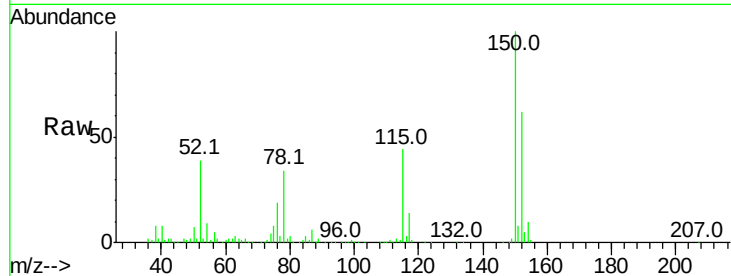
VITALE-FILL-CSPH3-7KMSD

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Tot Ion:	152	Resp:	140073
Ion Ratio	Lower	Upper	
152	100		
150	160.5	125.8	188.6
115	70.3	51.5	77.3



#2

1,4-Dioxane

Concen: 36.75 ng

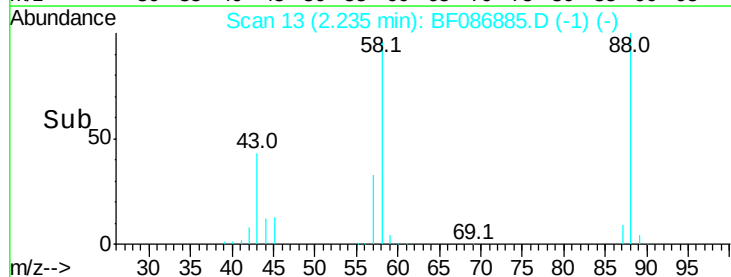
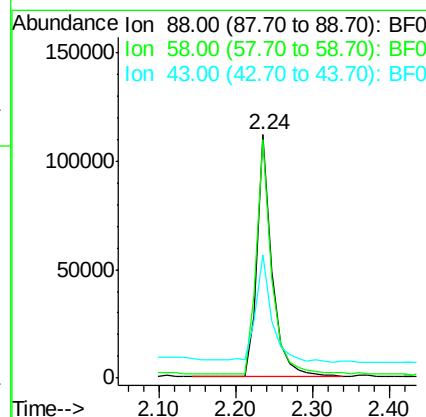
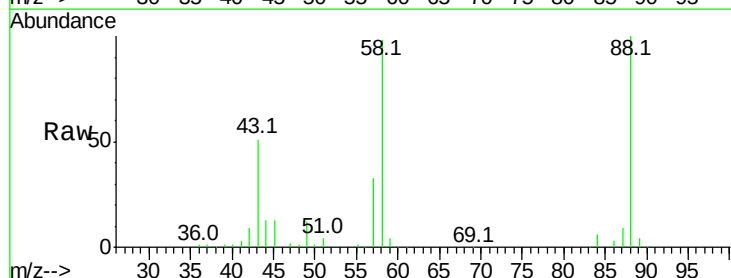
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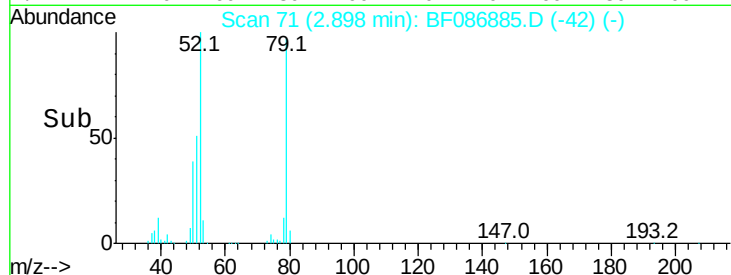
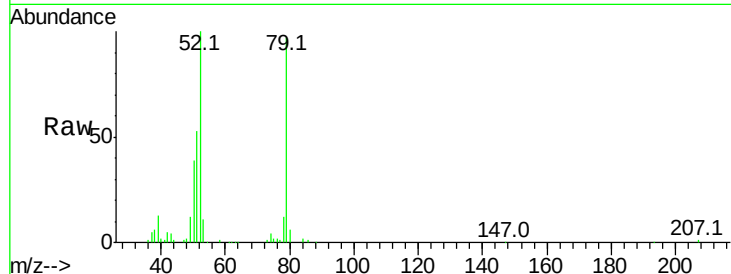
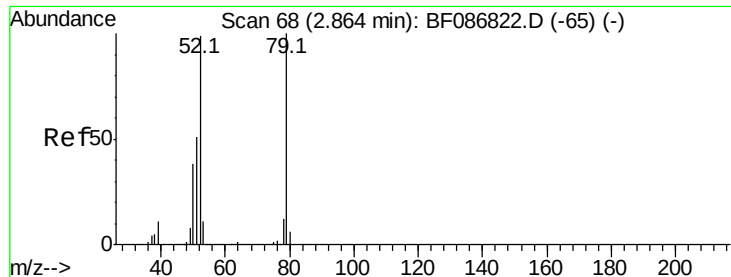
Delta R.T. 0.06 min

Lab File: BF086885.D

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Tgt Ion:	88	Resp:	149213
Ion Ratio	Lower	Upper	
88	100		
58	99.8	59.6	89.4#
43	48.0	21.8	32.6#





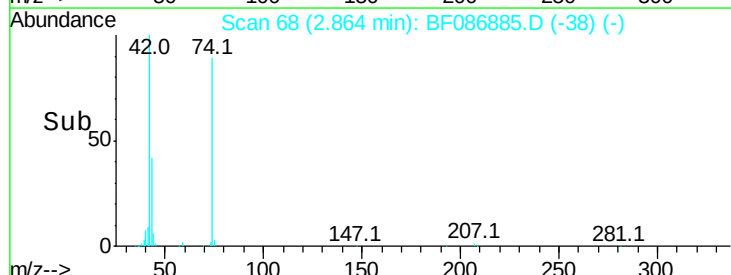
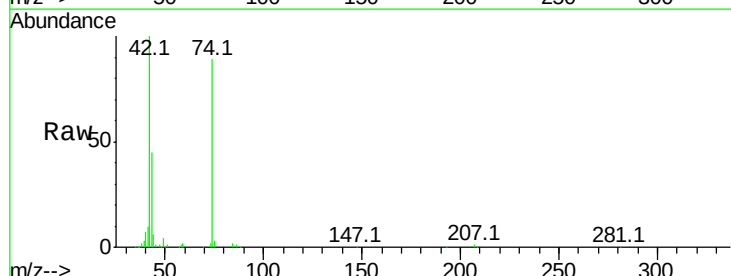
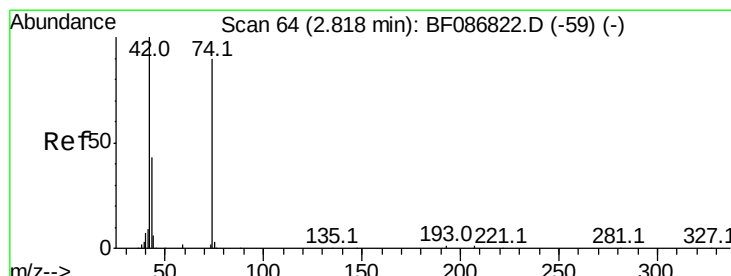
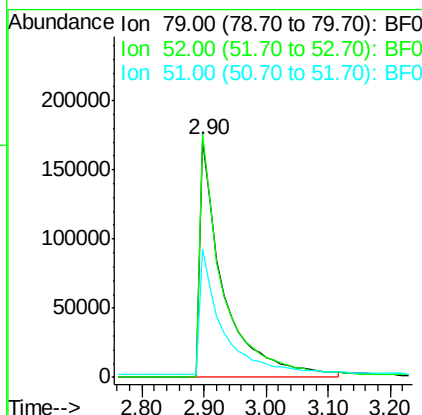
#3
Pvridine
Concen: 45.63 ng
RT: 2.90 min Scan# 71
Delta R.T. 0.03 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tot Ion	Ratio	Lower	Upper
79	100		
52	102.6	55.9	83.9#
51	54.1	28.1	42.1#

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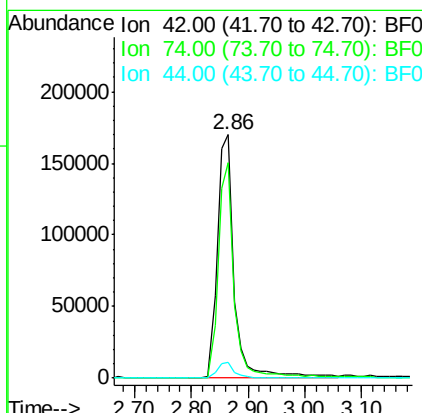
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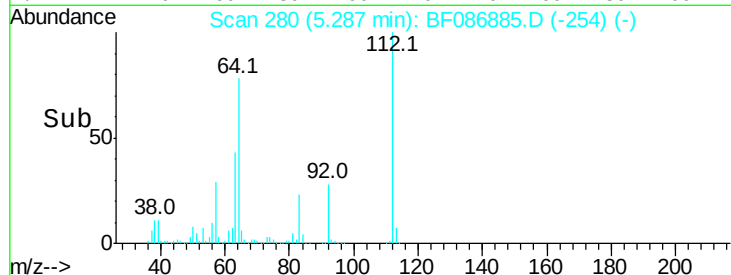
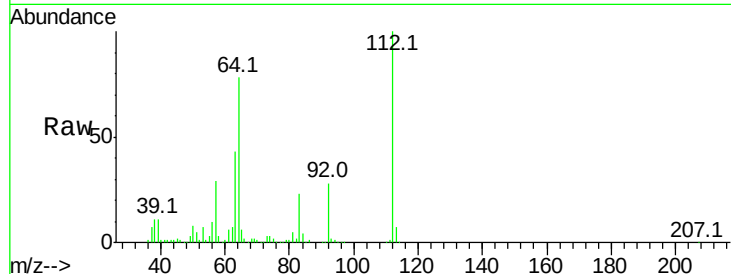
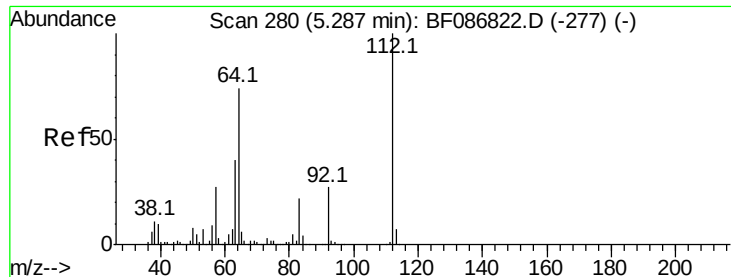
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#4
n-Nitrosodimethylamine
Concen: 47.78 ng
RT: 2.86 min Scan# 68
Delta R.T. 0.05 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
42	100		
74	88.7	123.4	185.0#
44	6.5	5.8	8.6





#5

2-Fluorophenol

Concen: 129.42 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tot Ion: 112 Resp: 1070480

Ion Ratio Lower Upper

112 100

64 78.0 52.1 78.1

63 42.7 25.7 38.5#

Instrument :

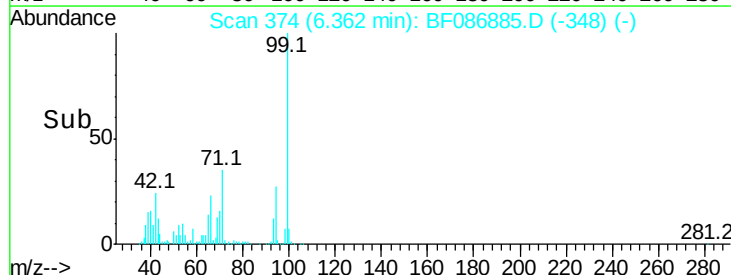
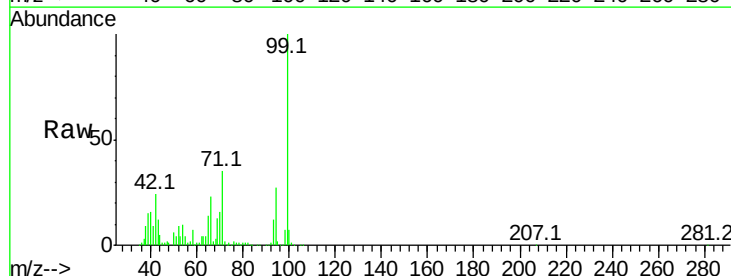
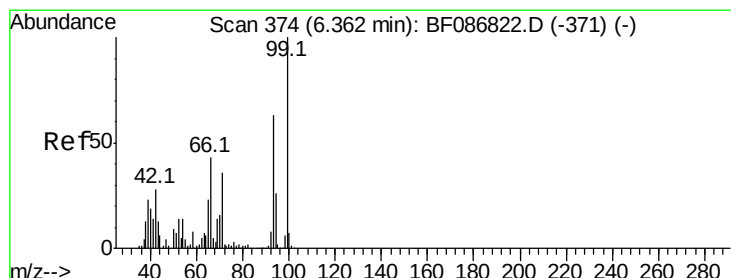
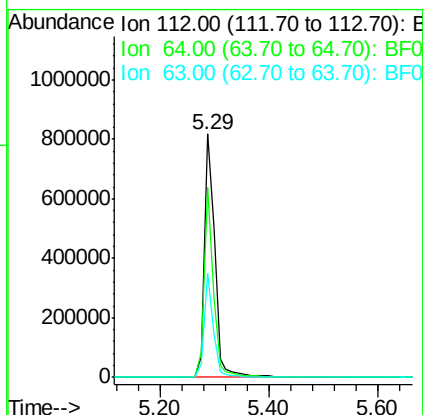
BNA_F

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#6

Aniline

Concen: 15.26 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

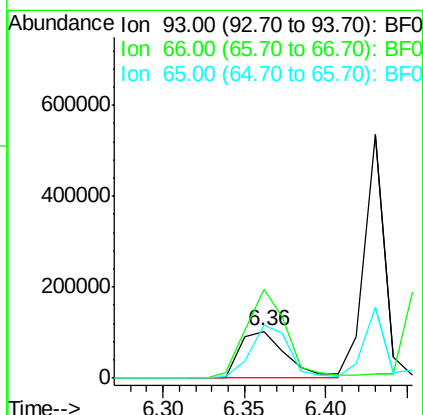
Tgt Ion: 93 Resp: 203955

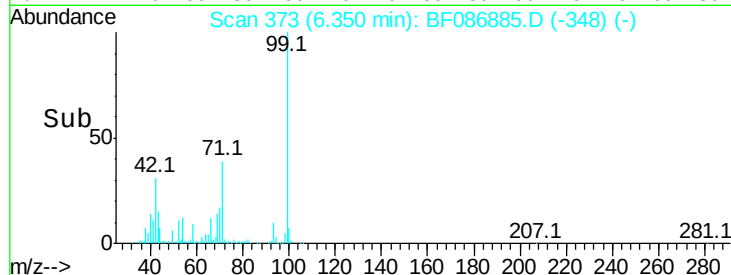
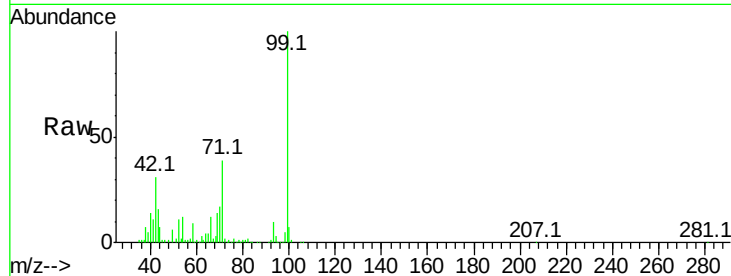
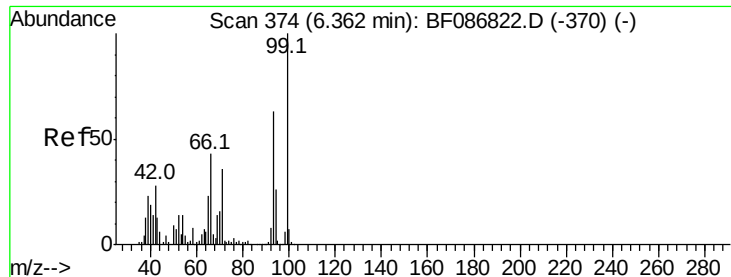
Ion Ratio Lower Upper

93 100

66 191.4 39.0 58.6#

65 113.6 20.6 31.0#





#7

Phenol-d6

Concen: 127.70 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tot Ion: 99 Resp: 1411603

Ion Ratio Lower Upper

99 100

42 31.4 13.6 20.4#

71 39.1 24.6 36.8#

Instrument :

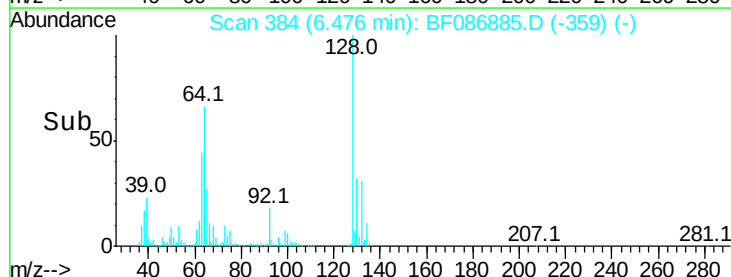
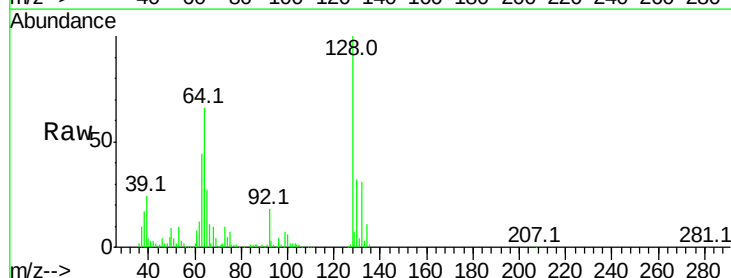
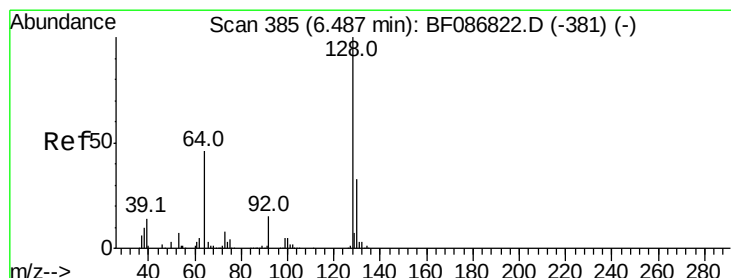
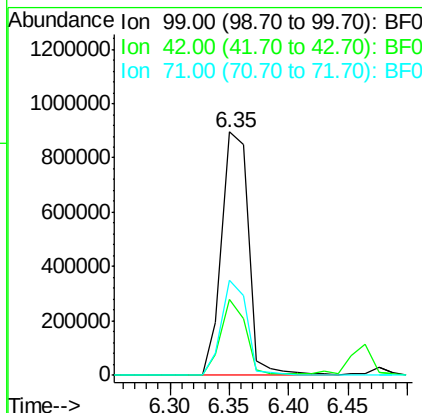
BNA_F

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#8

2-Chlorophenol

Concen: 41.78 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

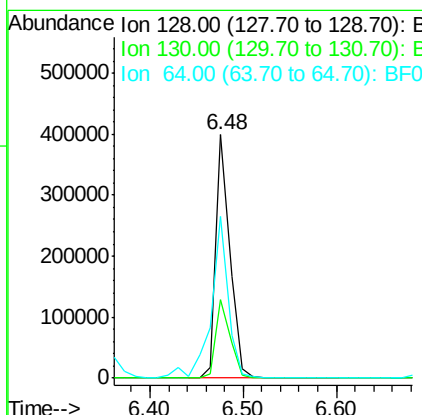
Tgt Ion: 128 Resp: 416947

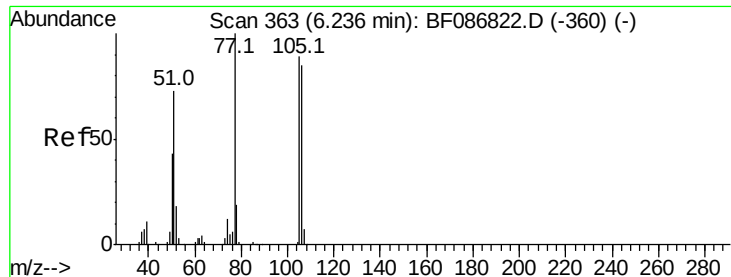
Ion Ratio Lower Upper

128 100

130 32.3 12.5 52.5

64 66.2 27.3 67.3





#9

Benzaldehyde

Concen: 6.66 ng

RT: 6.24 min Scan# 363

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

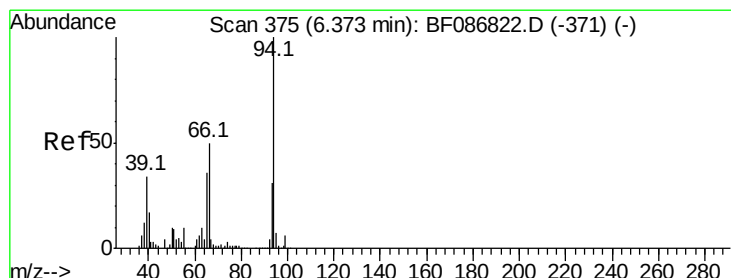
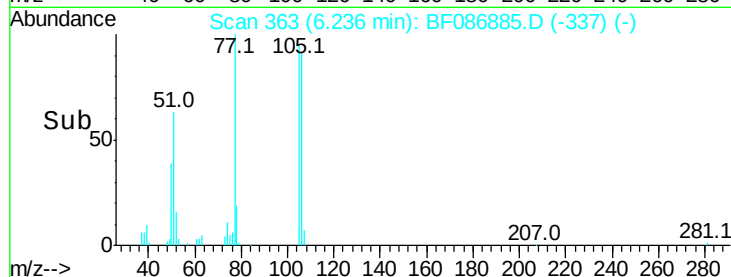
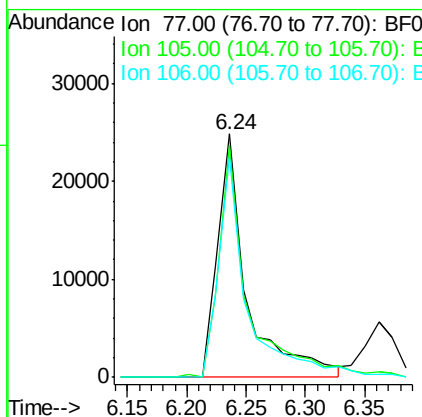
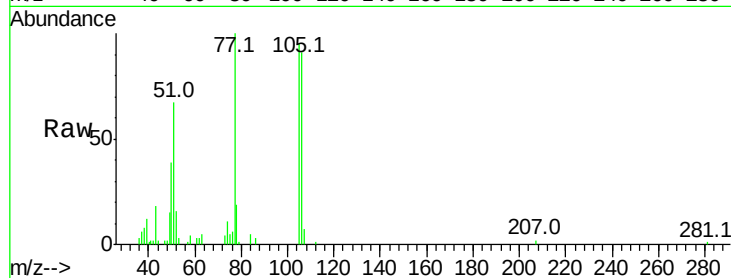
VITALE-FILL-CSPH3-7KMSD

Manual Integrations
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Tot Ion:	77	Resp:	42623
Ion	Ratio	Lower	Upper
77	100		
105	95.4	72.7	112.7
106	90.6	70.8	110.8



#10

Phenol

Concen: 34.04 ng

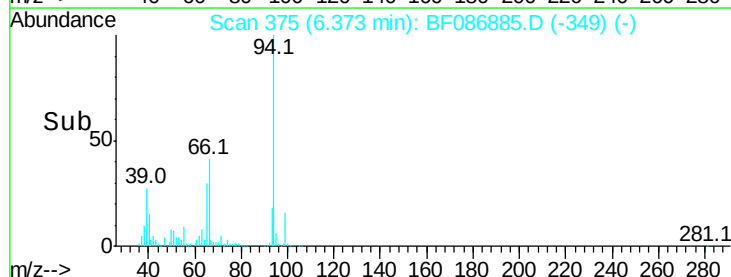
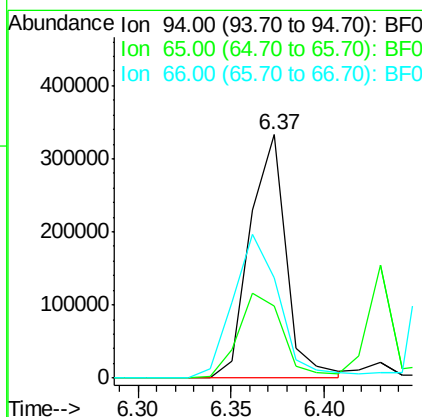
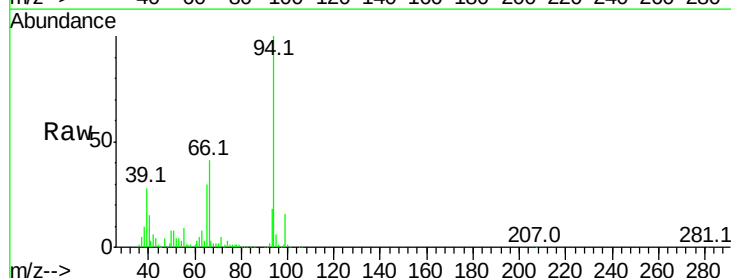
RT: 6.37 min Scan# 375

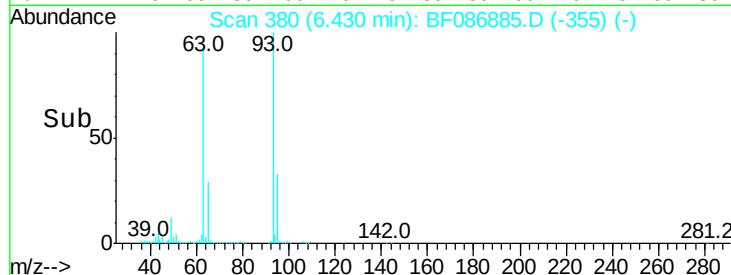
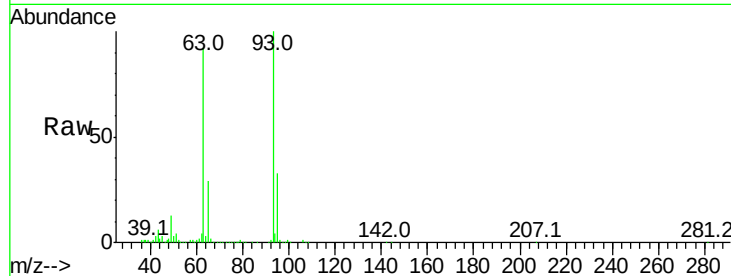
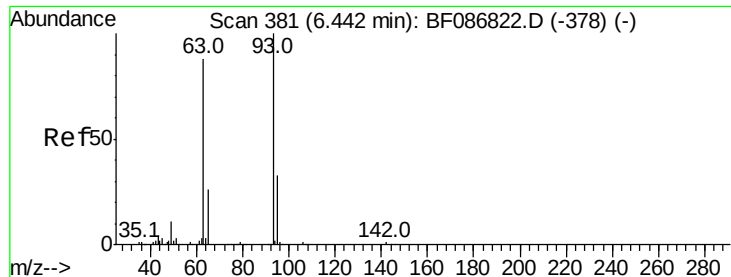
Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	94	Resp:	447277
Ion	Ratio	Lower	Upper
94	100		
65	29.5	7.2	47.2
66	41.1	14.9	54.9





#11

bis(2-Chloroethyl)ether

Concen: 43.93 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tot Ion	93	Resp	450060
Ion Ratio	100	Lower	Upper
93	100		
63	92.3	58.0	98.0
95	32.7	11.9	51.9

Instrument :

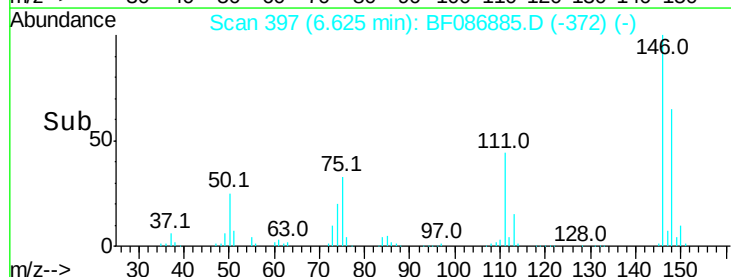
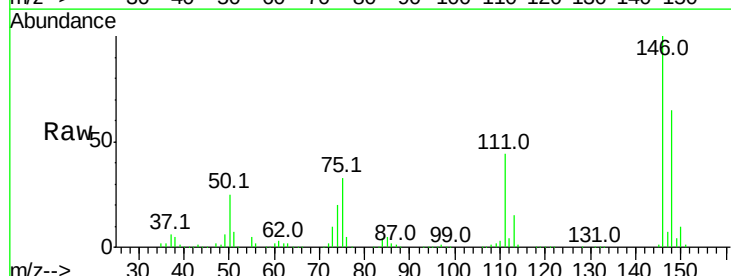
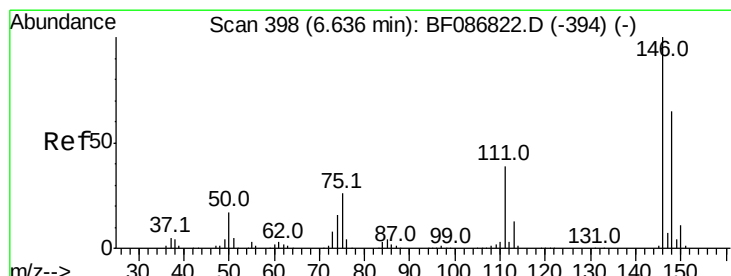
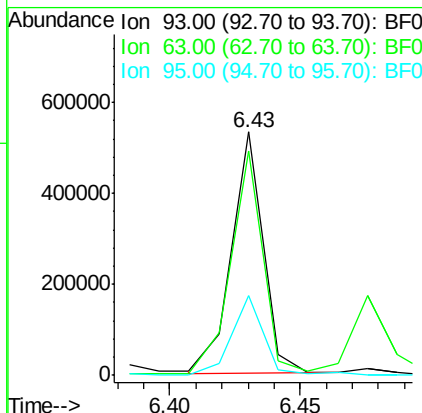
BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

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#12

1,3-Dichlorobenzene

Concen: 43.54 ng

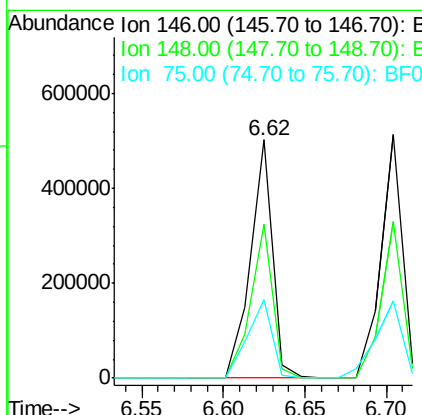
RT: 6.62 min Scan# 397

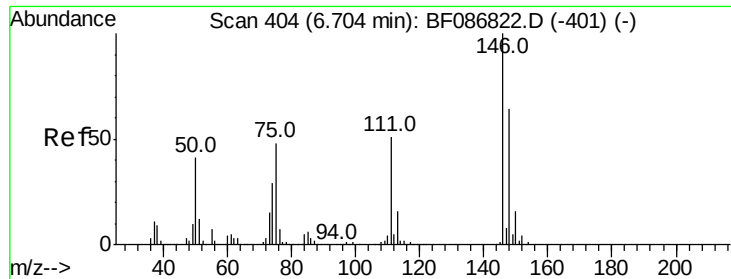
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	146	Resp	470304
Ion Ratio	100	Lower	Upper
146	100		
148	64.7	52.4	78.6
75	33.2	22.8	34.2





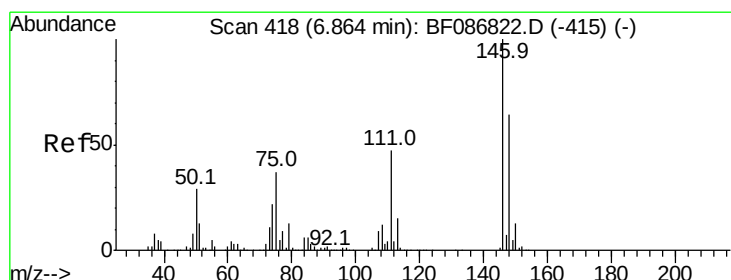
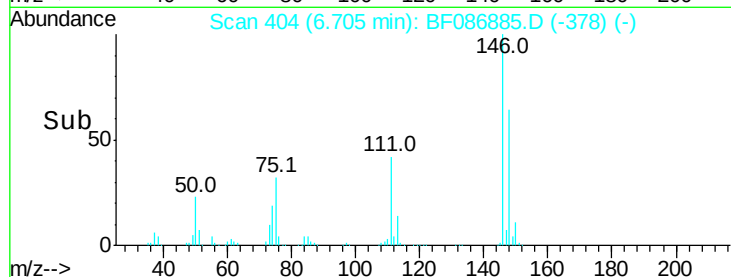
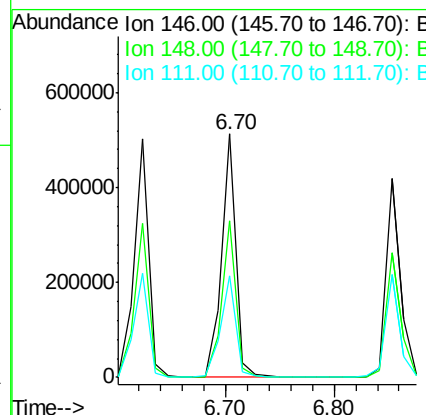
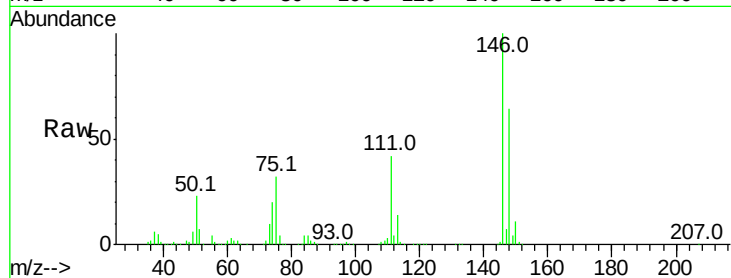
#13
 1,4-Dichlorobenzene
 Concen: 43.49 ng
 RT: 6.70 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.4
111	41.7	30.7	46.1

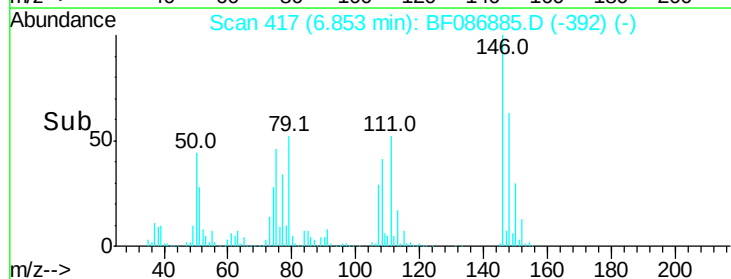
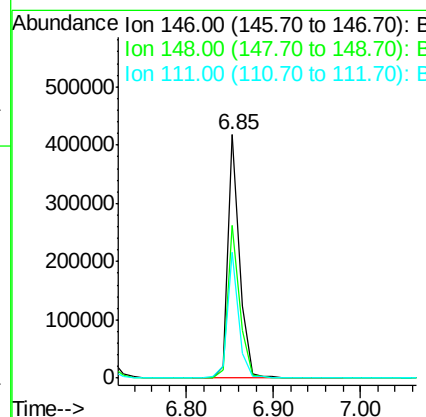
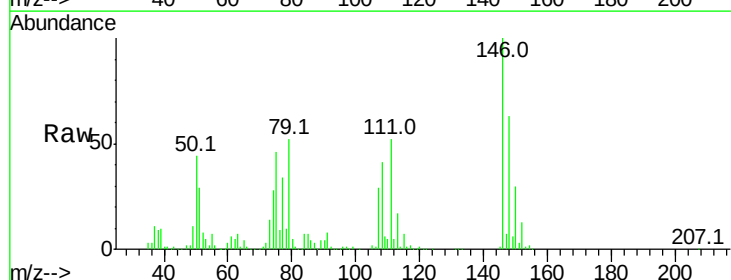
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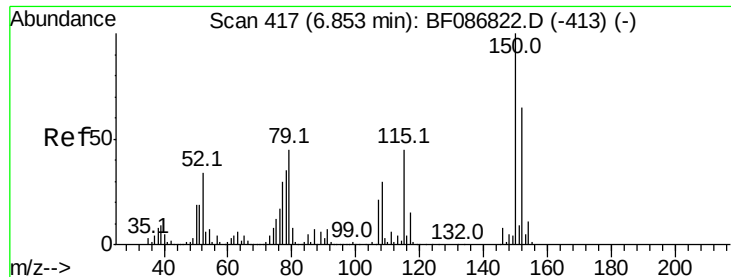
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#14
 1,2-Dichlorobenzene
 Concen: 41.20 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.0	76.6
111	51.6	36.2	54.4





#15

Benzyl Alcohol

Concen: 47.44 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion: 79 Resp: 362112

Ion Ratio Lower Upper

79 100

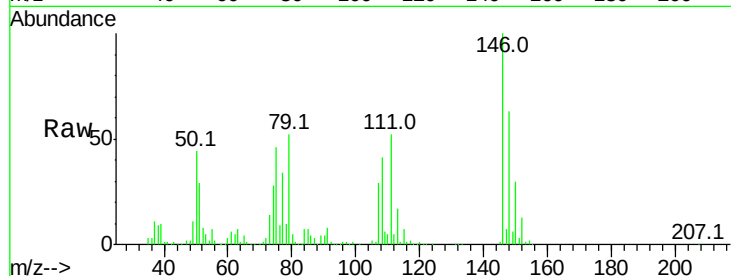
108 80.4 68.4 102.6

77 65.5 50.6 76.0

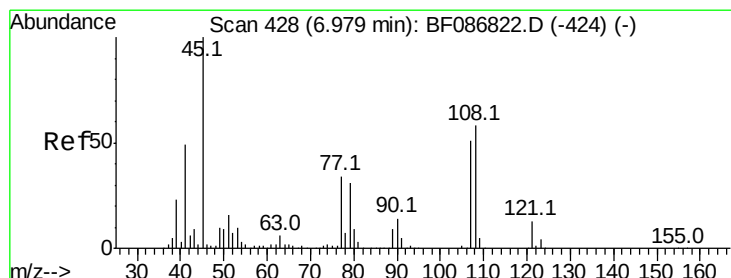
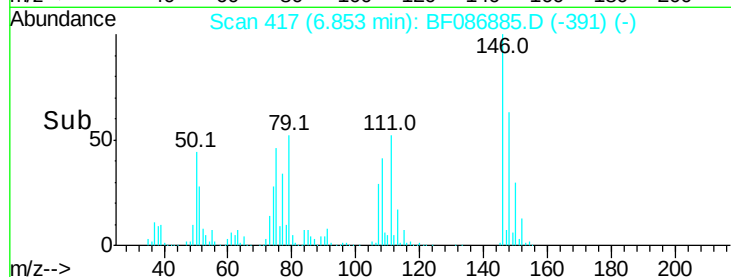
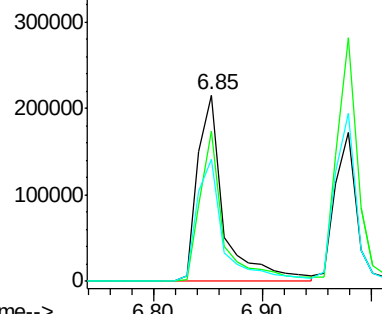
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Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.11 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

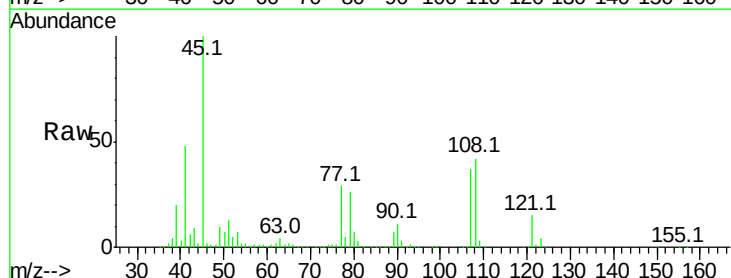
Tgt Ion: 45 Resp: 960225

Ion Ratio Lower Upper

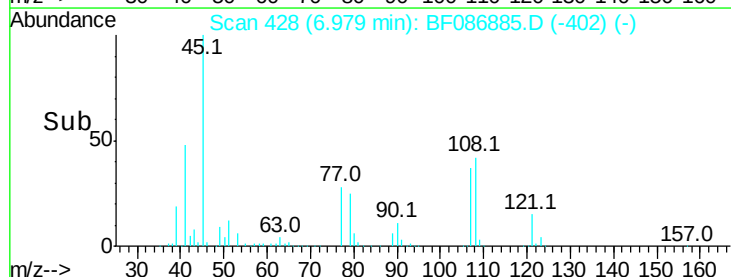
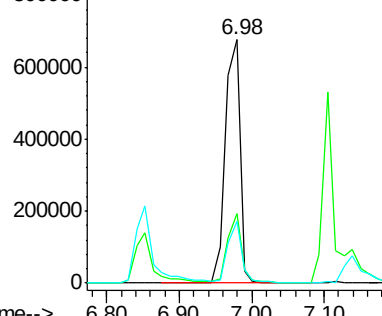
45 100

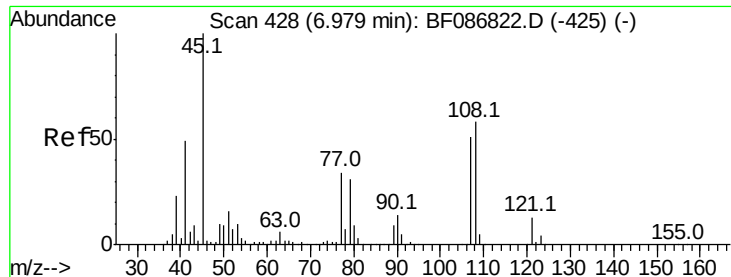
77 28.8 0.0 36.4

79 25.6 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 41.77 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

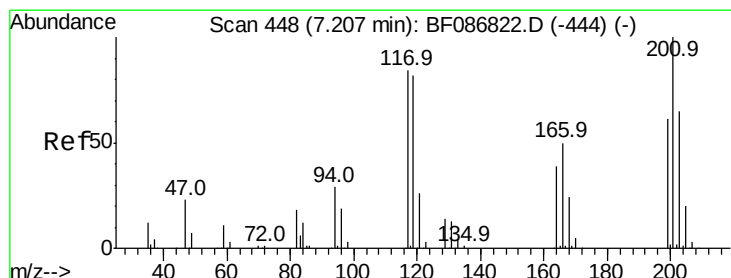
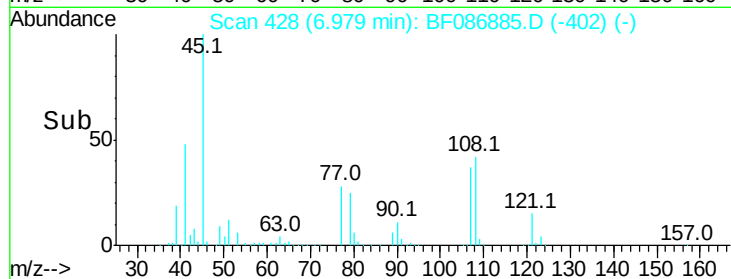
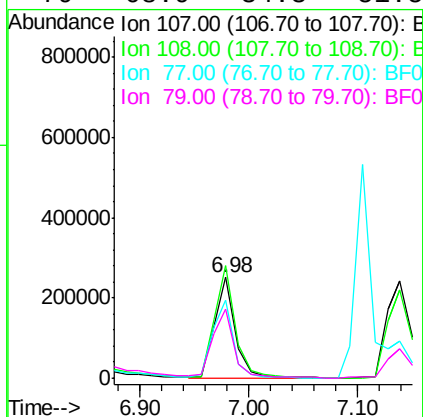
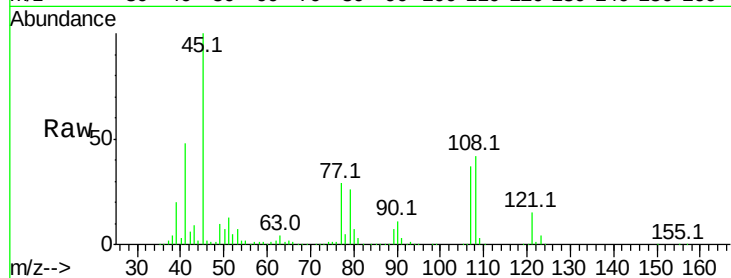
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

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Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	93.7	140.5	
77	77.5	33.4	50.0#	
79	68.9	34.3	51.5#	



#18

Hexachloroethane

Concen: 42.80 ng

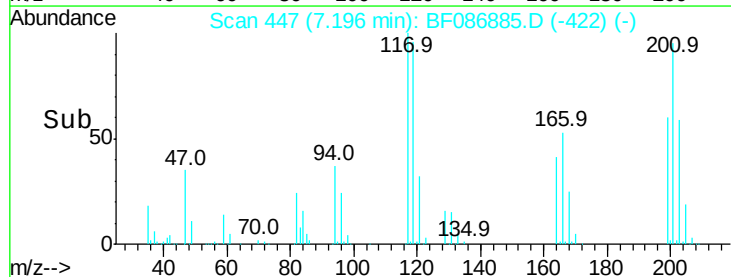
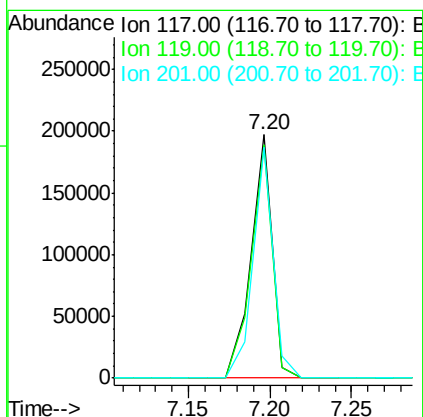
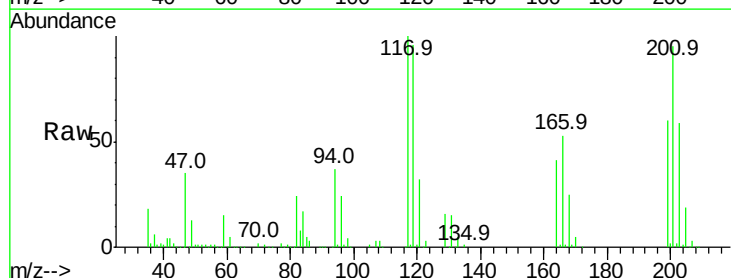
RT: 7.20 min Scan# 447

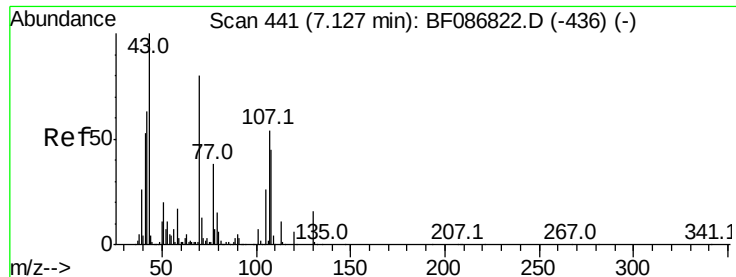
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.8	76.5	114.7	
201	94.6	63.0	94.6#	





#19

n-Nitroso-di-n-propylamine

Concen: 42.70 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

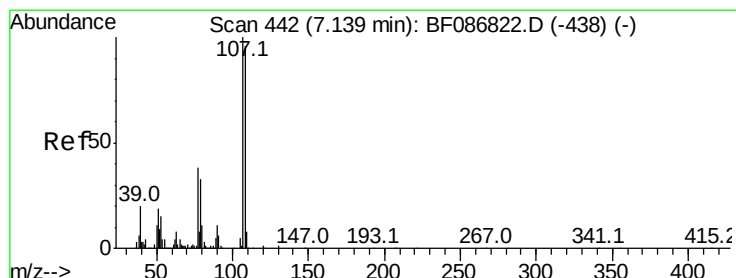
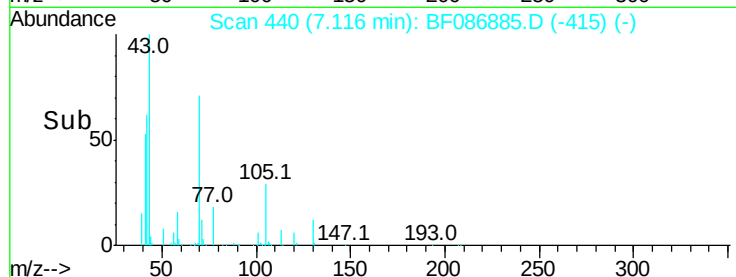
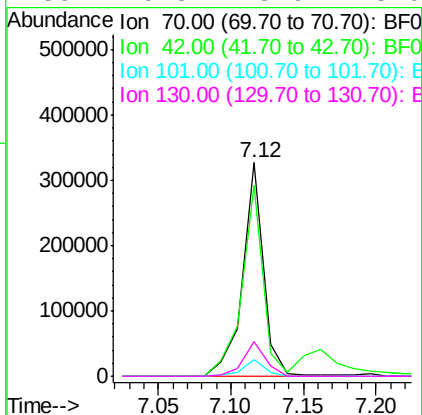
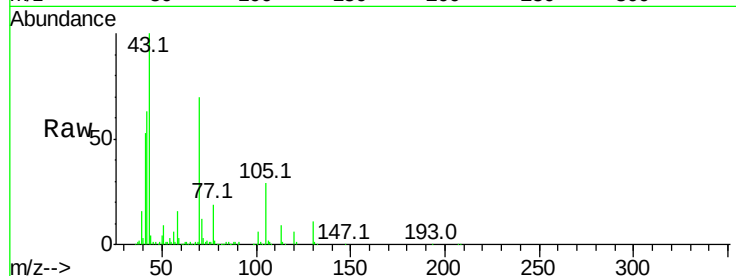
VITALE-FILL-CSPH3-7KMSD

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Tot Ion	Ratio	Lower	Upper
70	100		
42	89.5	43.1	64.7#
101	8.1	8.1	12.1#
130	16.3	18.6	28.0#



#20

3+4-Methylphenols

Concen: 43.20 ng

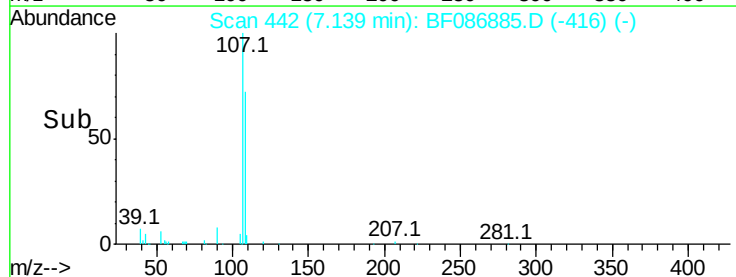
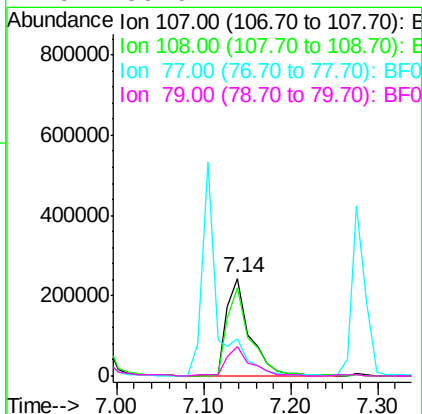
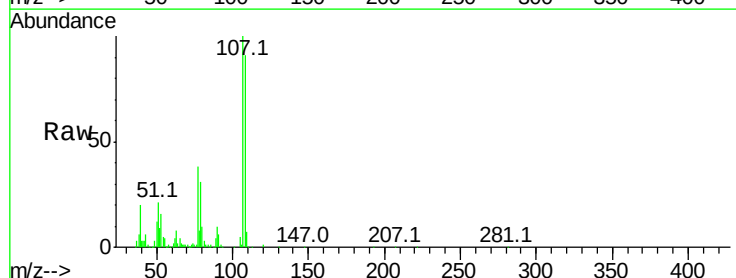
RT: 7.14 min Scan# 442

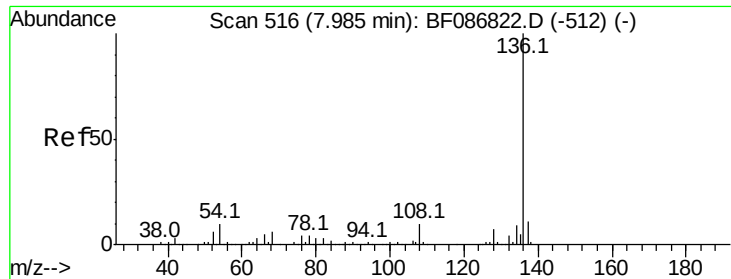
Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.6	68.5	108.5
77	38.2	101.6	141.6#
79	30.6	7.4	47.4





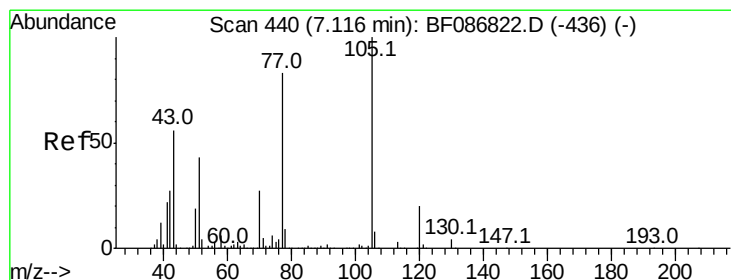
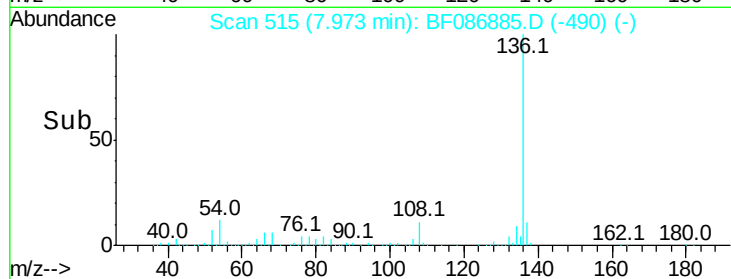
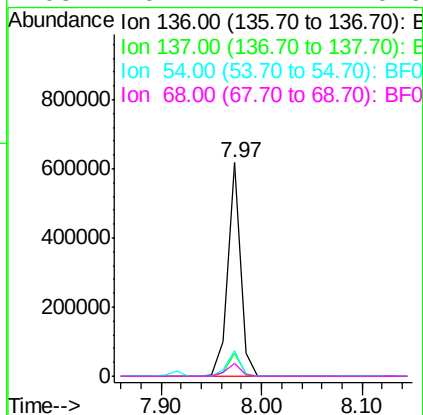
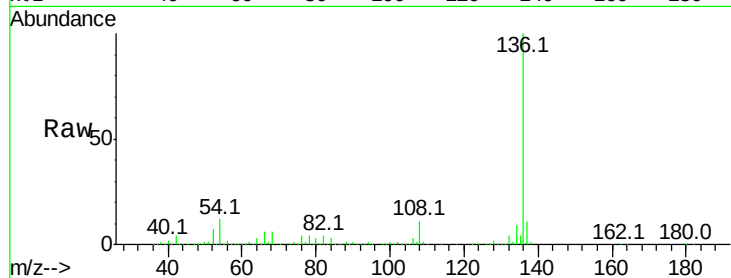
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	542663		
137	10.9	8.8	13.2	
54	11.9	5.0	7.4	
68	6.2	4.4	6.6	

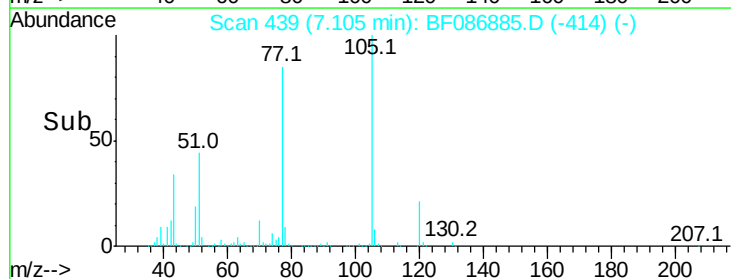
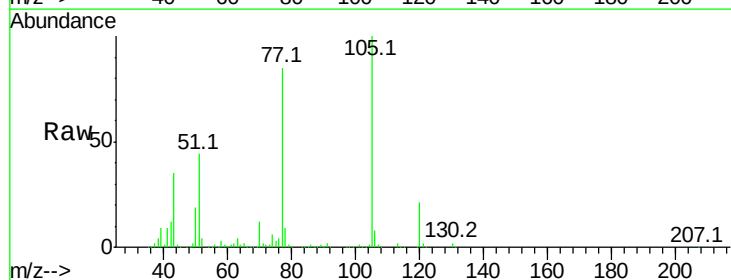
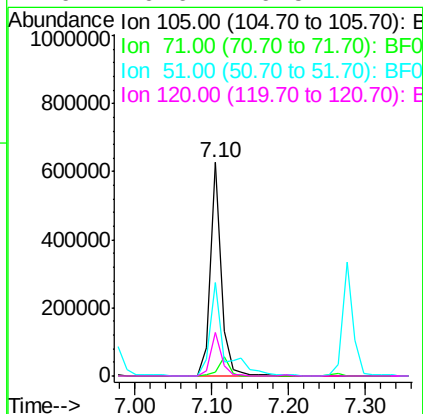
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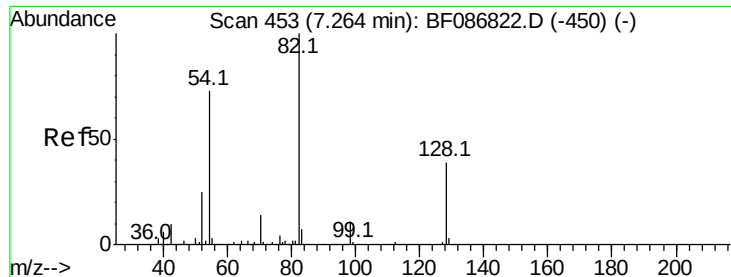
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#22
Acetophenone
Concen: 47.92 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	614191		
71	1.9	4.8	7.2	
51	43.7	32.6	49.0	
120	20.6	16.5	24.7	





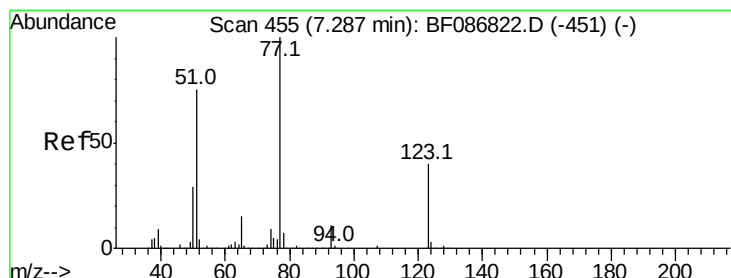
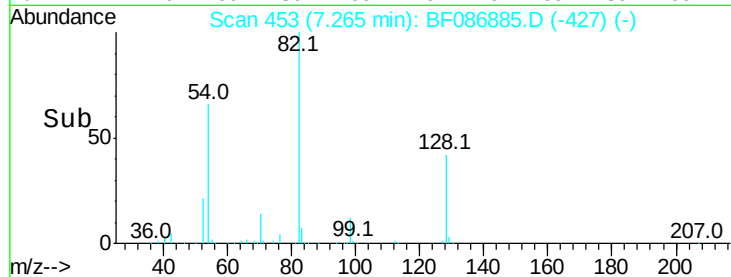
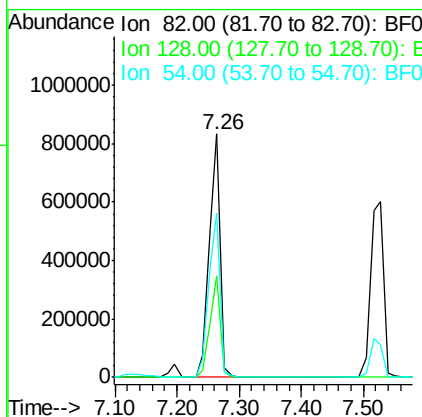
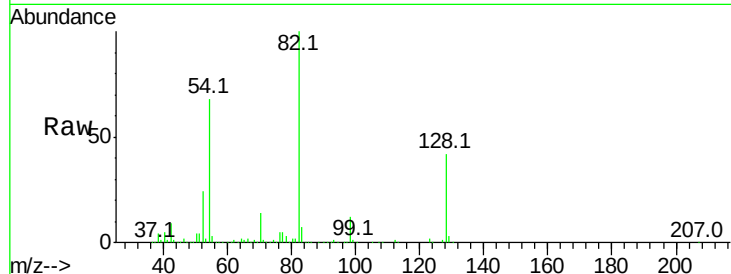
#23
 Nitrobenzene-d5
 Concen: 93.73 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion: 82 Resp: 1012970
 Ion Ratio Lower Upper
 82 100
 128 41.9 40.6 61.0
 54 67.6 38.1 57.1#

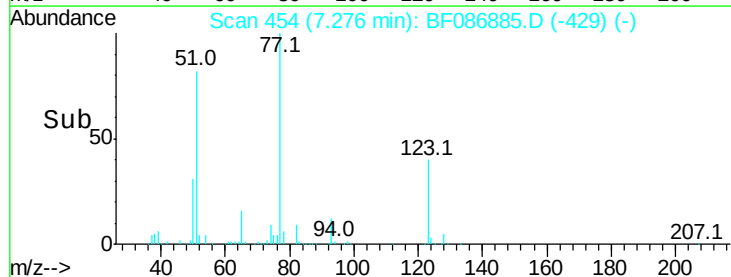
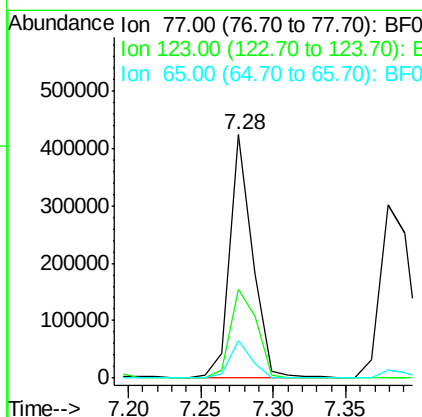
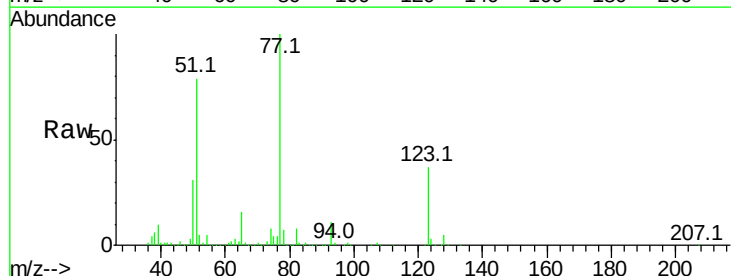
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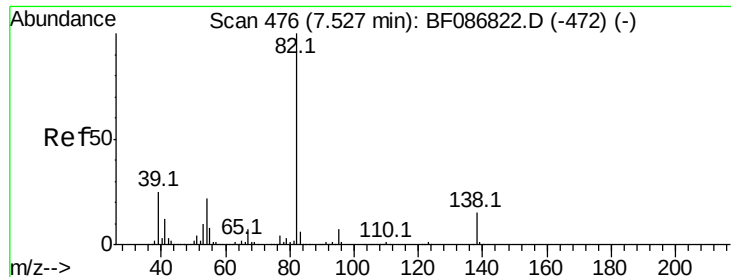
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#24
 Nitrobenzene
 Concen: 40.88 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion: 77 Resp: 454501
 Ion Ratio Lower Upper
 77 100
 123 36.7 33.0 49.4
 65 15.6 10.8 16.2





#25

Isophorone

Concen: 42.96 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

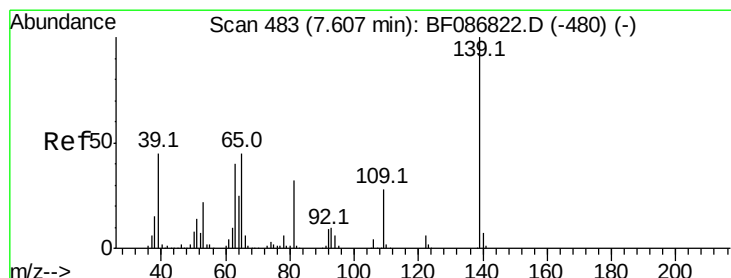
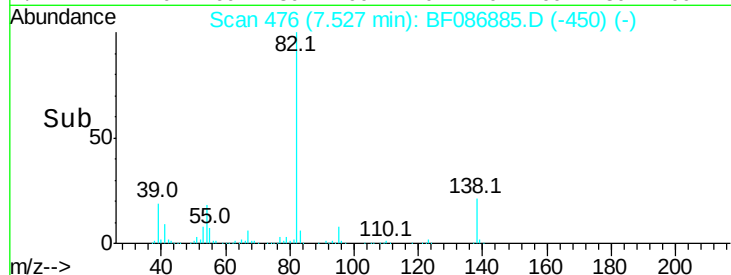
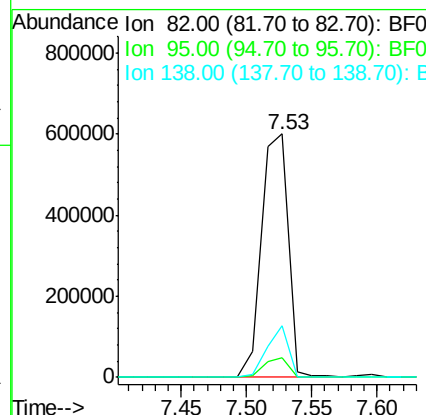
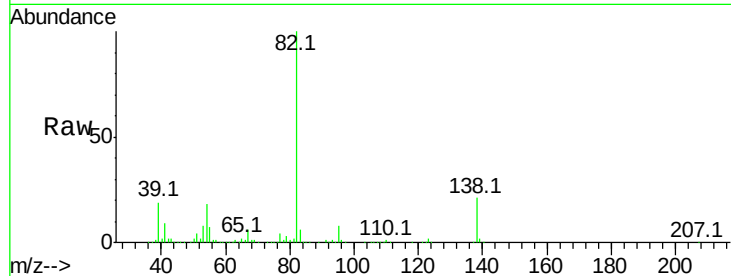
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:	82	Resp:	861380
Ion Ratio	Lower	Upper	
82	100		
95	7.9	5.1	7.7#
138	21.0	12.4	18.6#

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#26

2-Nitrophenol

Concen: 45.84 ng

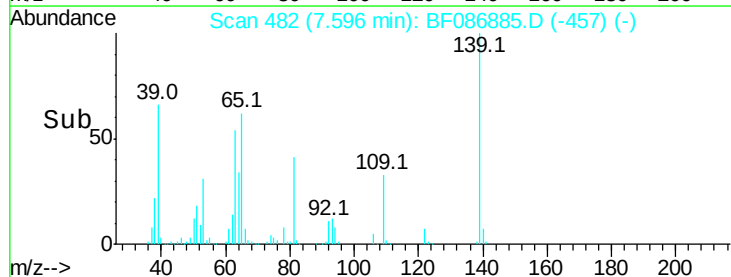
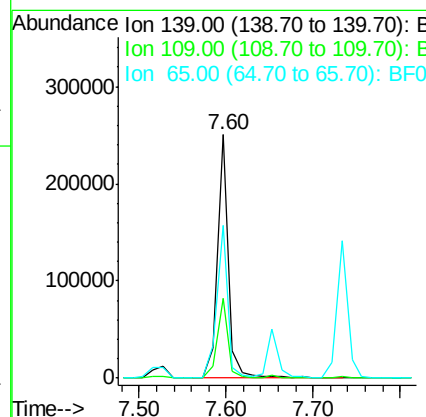
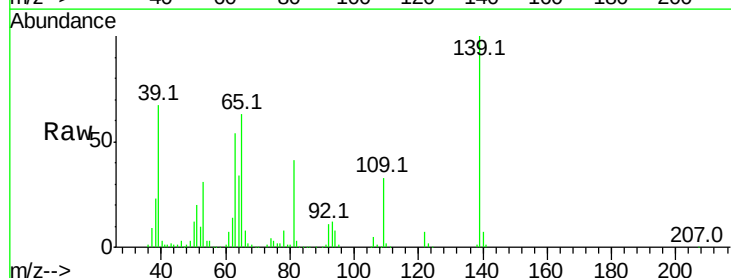
RT: 7.60 min Scan# 482

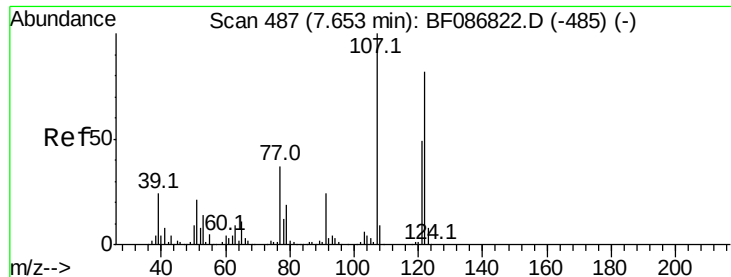
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	139	Resp:	224033
Ion Ratio	Lower	Upper	
139	100		
109	32.6	19.5	29.3#
65	62.7	37.5	56.3#





#27

2,4-Dimethylphenol

Concen: 41.62 ng

RT: 7.65 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

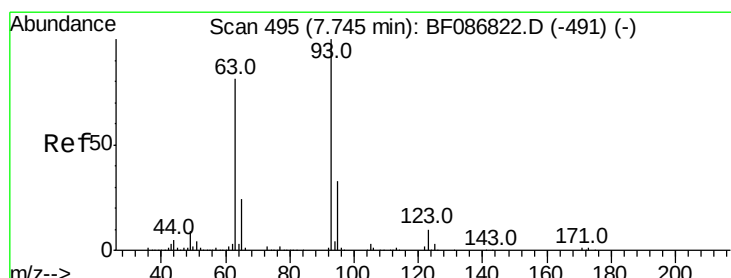
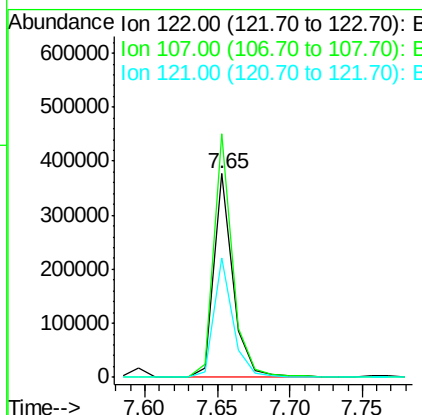
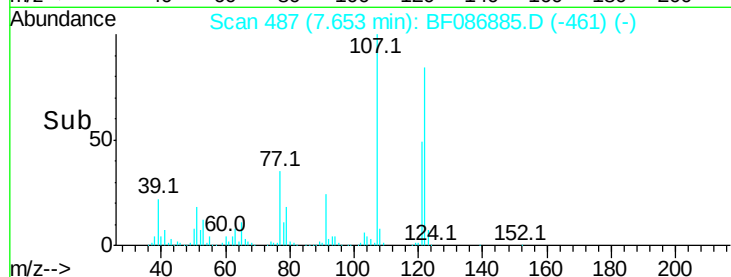
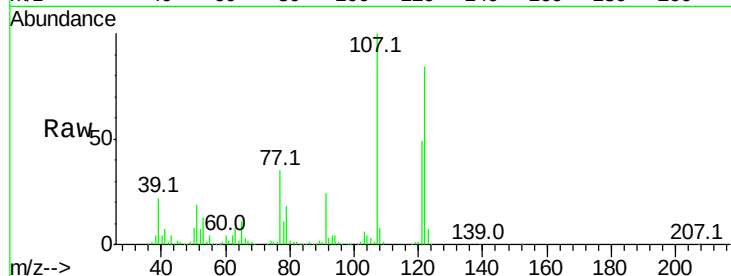
VITALE-FILL-CSPH3-7KMSD

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Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	119.7	82.0	123.0	
121	58.5	46.1	69.1	



#28

bis(2-Chloroethoxy)methane

Concen: 45.68 ng

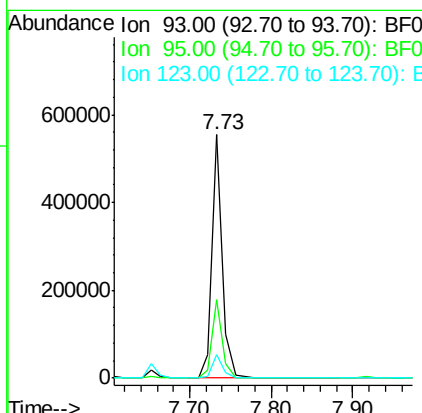
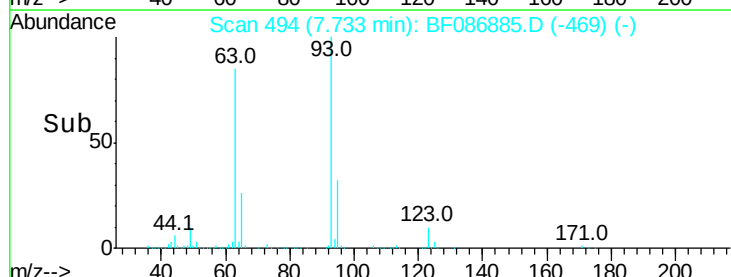
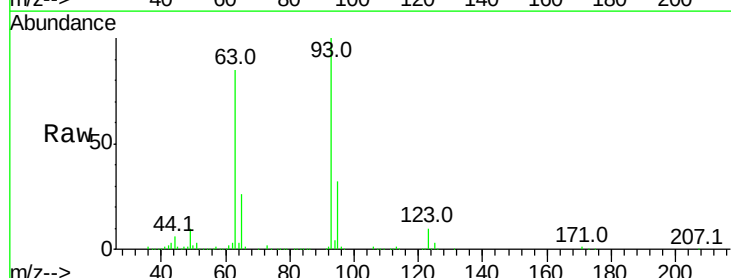
RT: 7.73 min Scan# 494

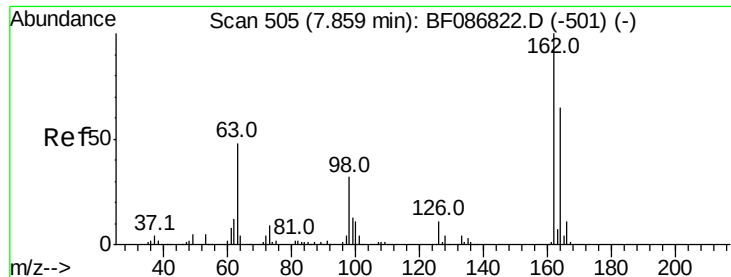
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.2	26.0	39.0	
123	9.5	9.5	14.3#	





#29

2,4-Dichlorophenol

Concen: 42.31 ng

RT: 7.86 min Scan# 505

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

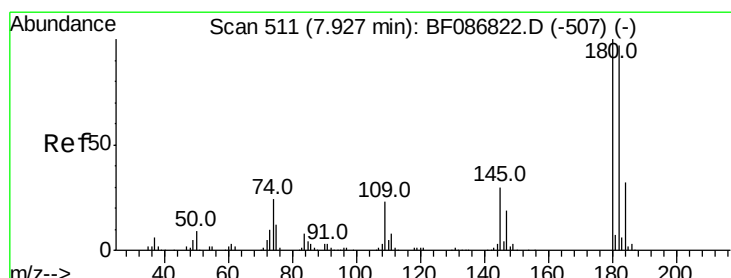
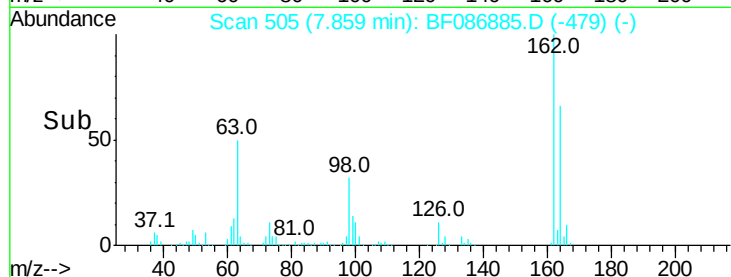
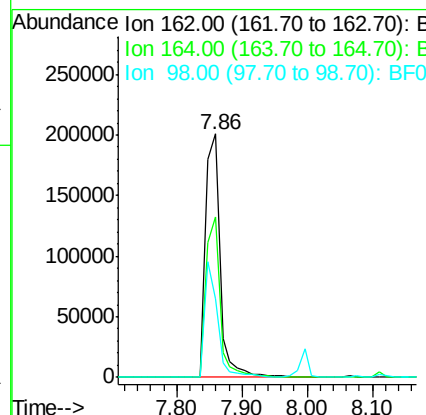
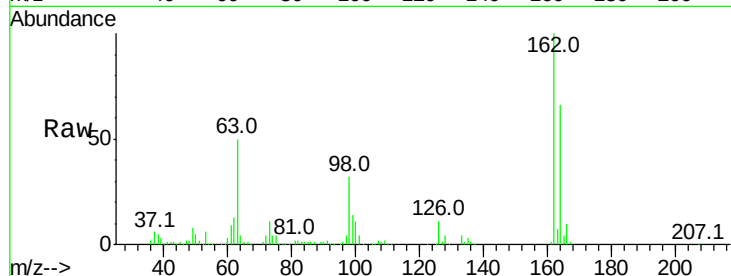
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:	162	Resp:	310005
Ion Ratio	Lower	Upper	
162	100		
164	65.7	42.2	82.2
98	32.2	19.0	59.0

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#30

1,2,4-Trichlorobenzene

Concen: 44.67 ng

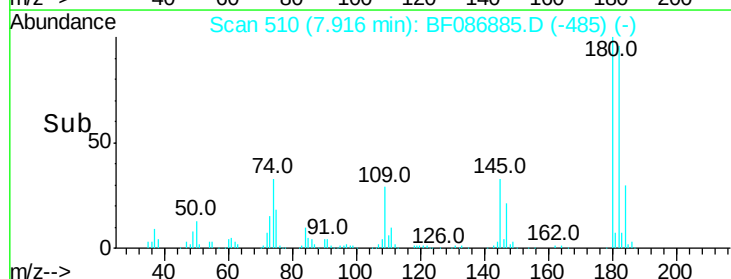
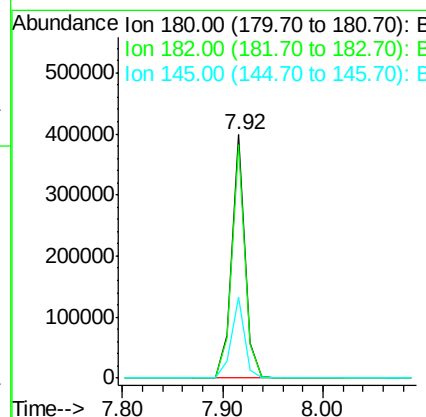
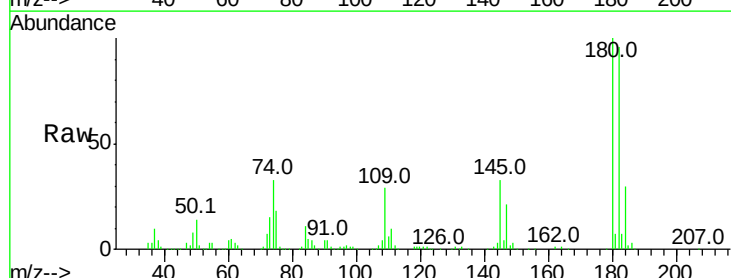
RT: 7.92 min Scan# 510

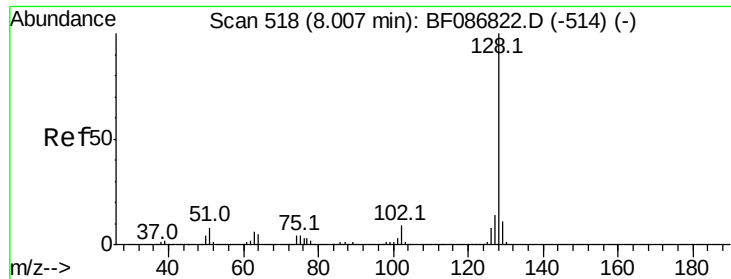
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	180	Resp:	365987
Ion Ratio	Lower	Upper	
180	100		
182	95.8	78.0	117.0
145	33.2	24.2	36.2





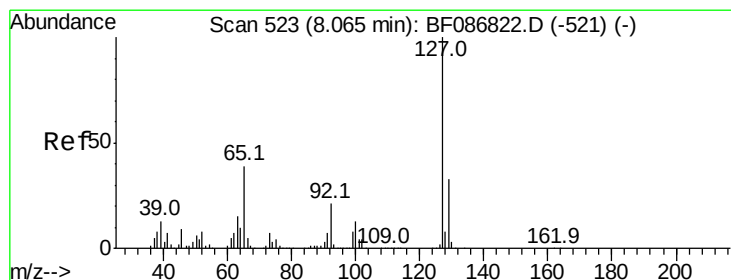
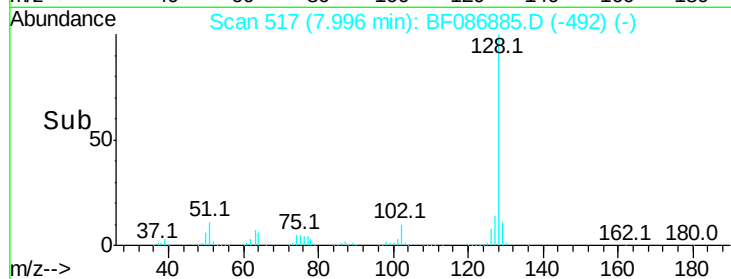
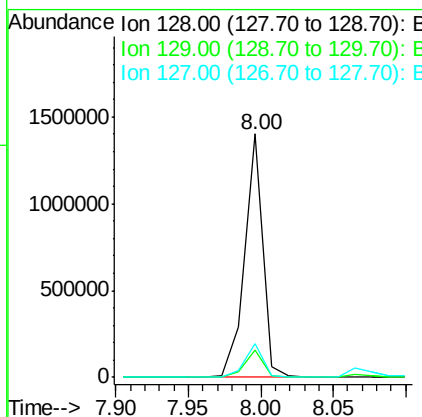
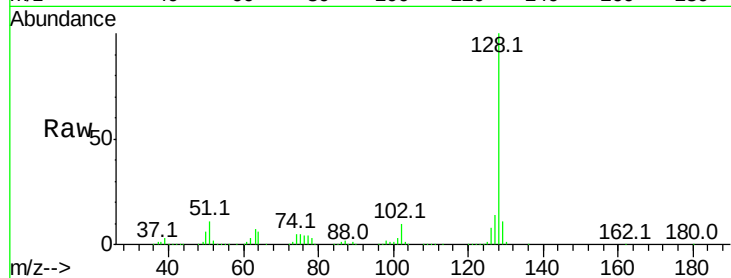
#31
Naphthalene
Concen: 44.88 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.7	10.8	16.2

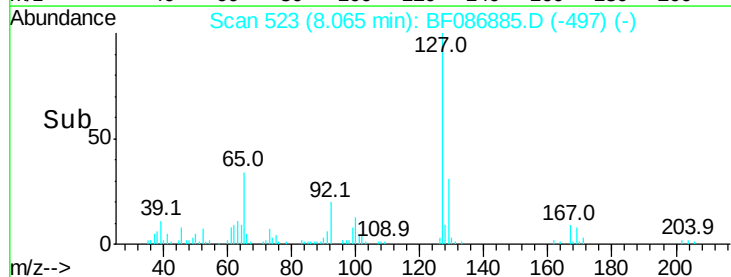
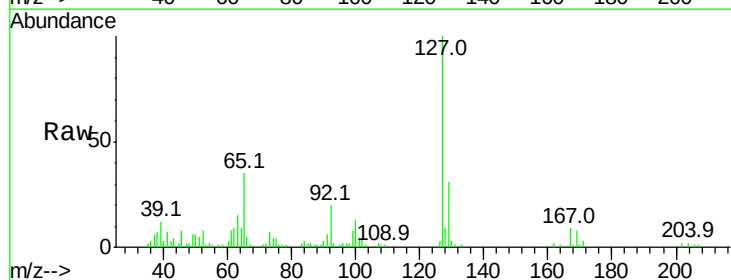
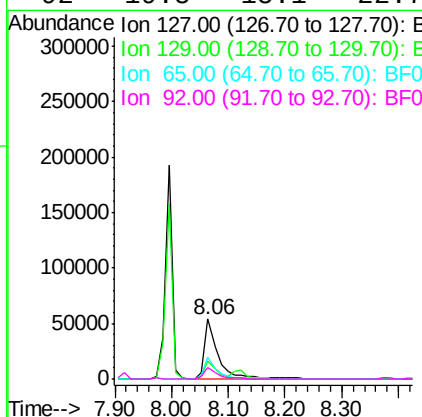
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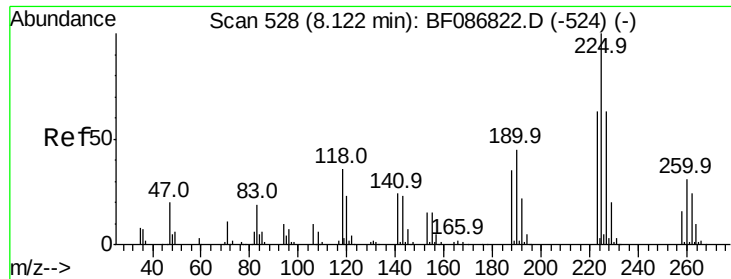
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#33
4-Chloroaniline
Concen: 8.37 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.2	39.4
65	35.4	23.0	34.4#
92	19.5	15.1	22.7





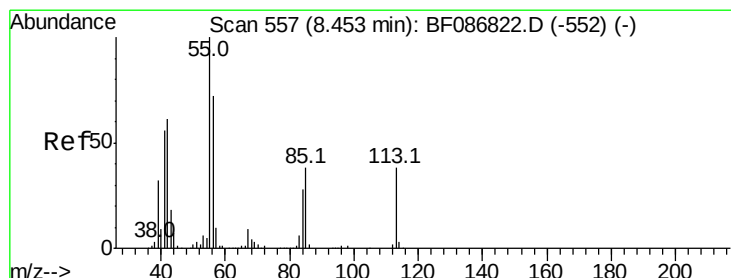
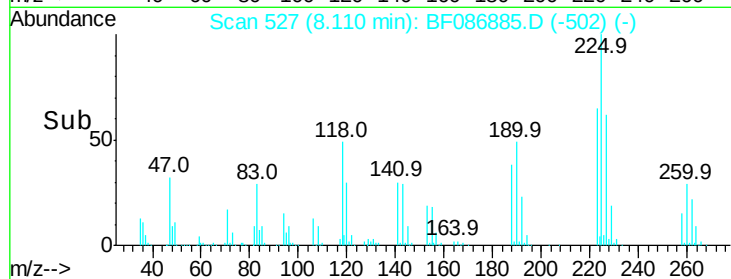
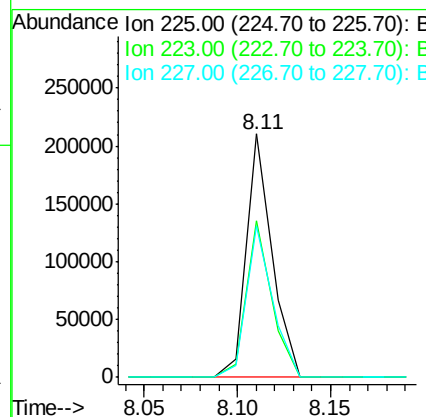
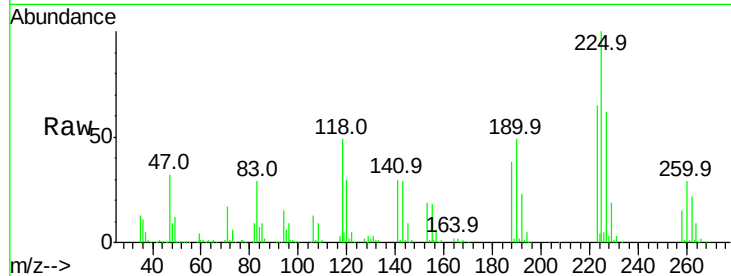
#34
Hexachlorobutadiene
Concen: 42.46 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	201811		
223	64.5		51.5	77.3
227	62.4		52.2	78.2

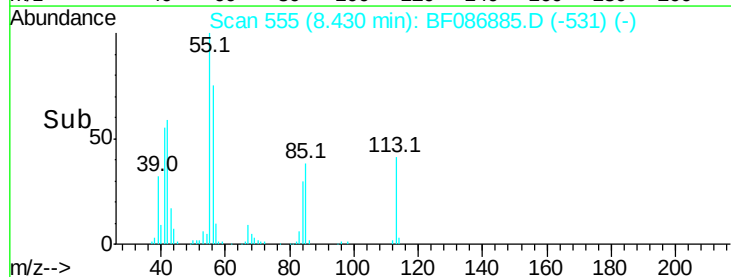
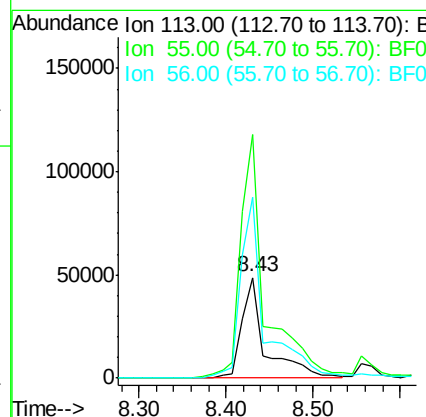
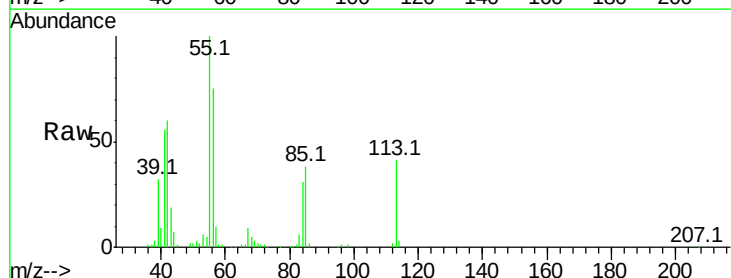
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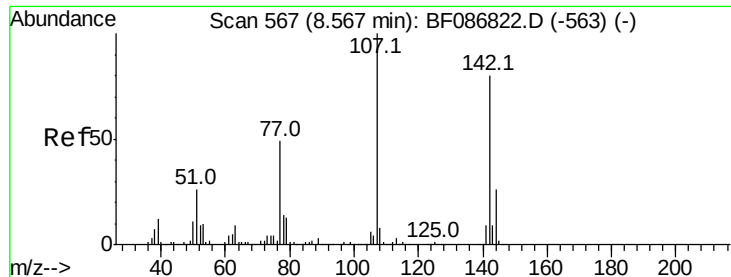
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#35
Caprolactam
Concen: 36.47 ng
RT: 8.43 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	90918		
55	242.6		162.0	202.0#
56	180.7		115.3	155.3#





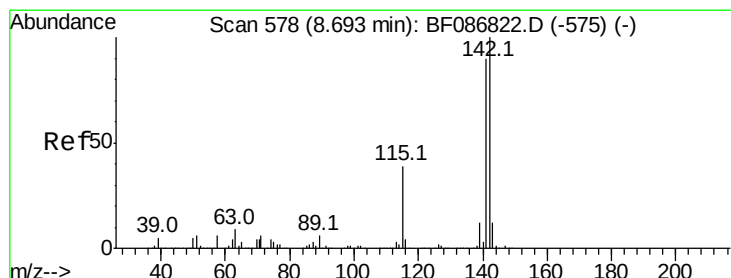
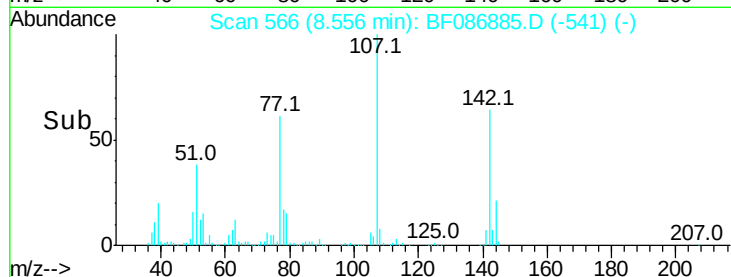
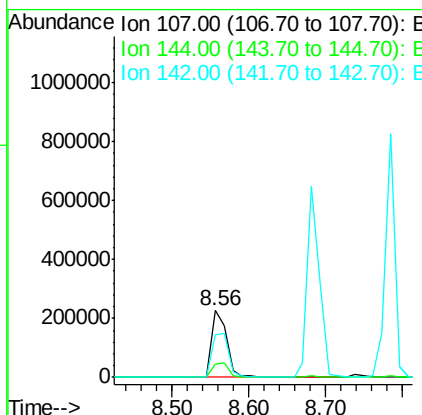
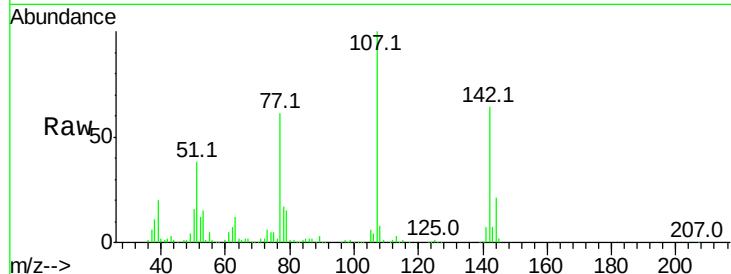
#36
4-Chloro-3-methylphenol
Concen: 34.63 ng
RT: 8.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	307684		
144	20.8		20.7	31.1
142	64.1		63.2	94.8

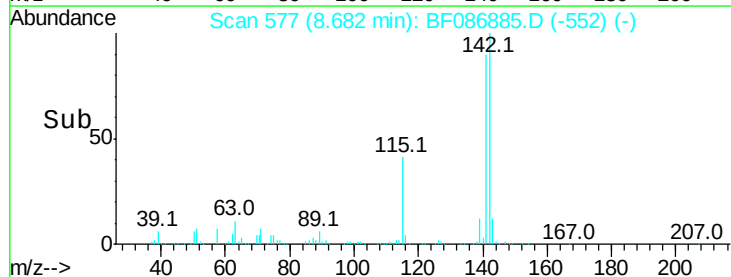
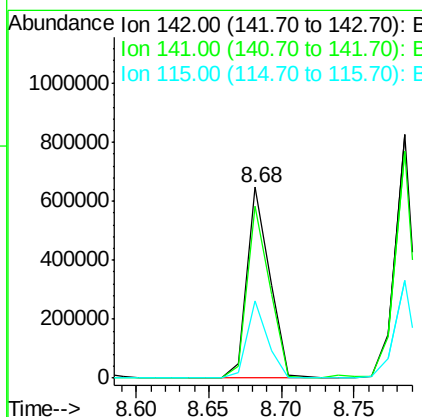
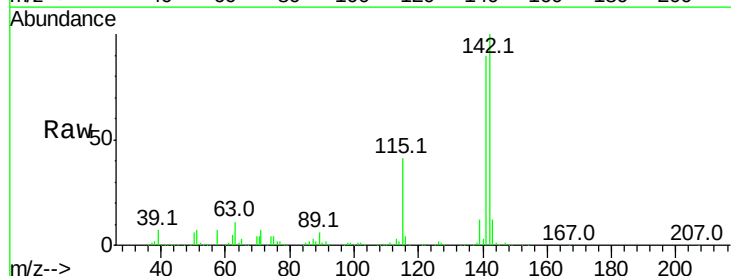
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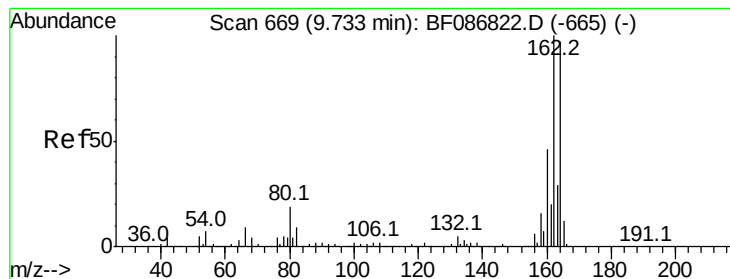
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#37
2-Methylnaphthalene
Concen: 43.96 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	698480		
141	90.0		71.0	106.6
115	40.8		26.6	39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

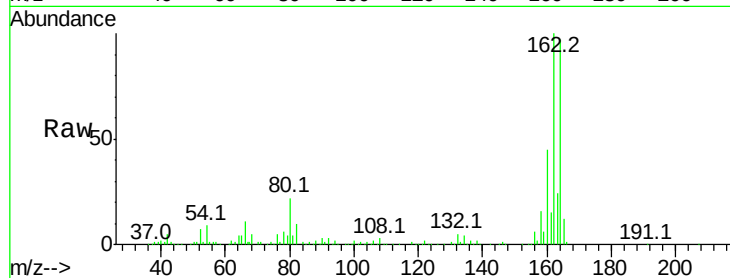
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Manual Integrations
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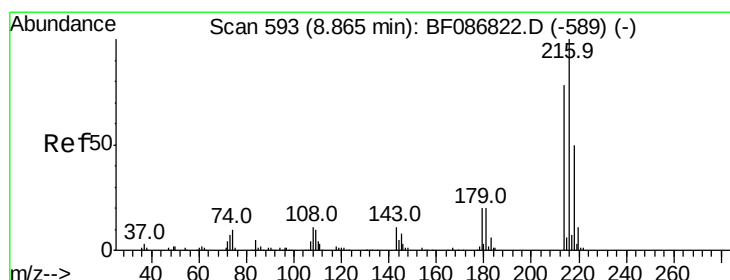
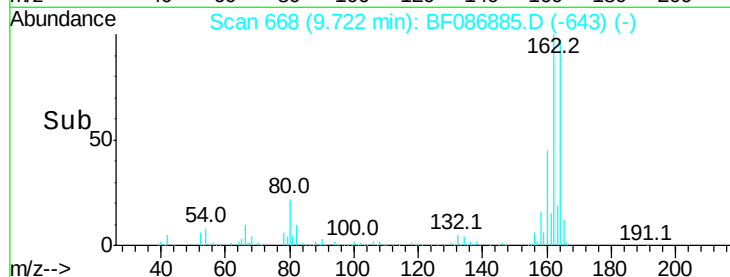
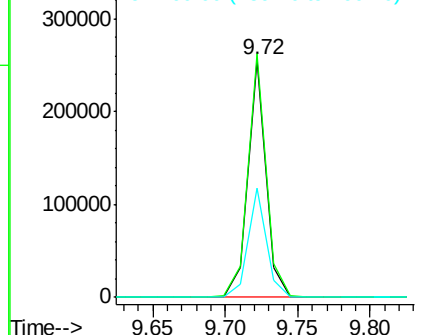
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	82.8	124.2	
160	46.3	36.9	55.3	



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 51.79 ng

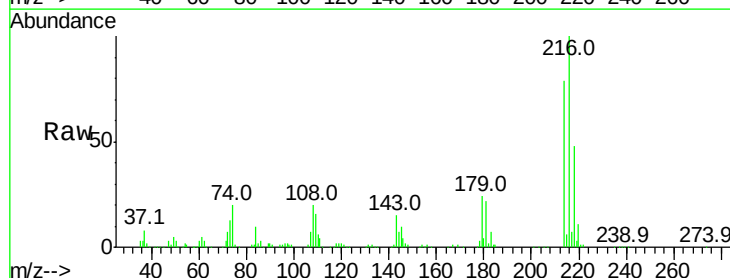
RT: 8.85 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.8	62.6	93.8	
179	23.9	18.2	27.4	
108	23.9	17.5	26.3	

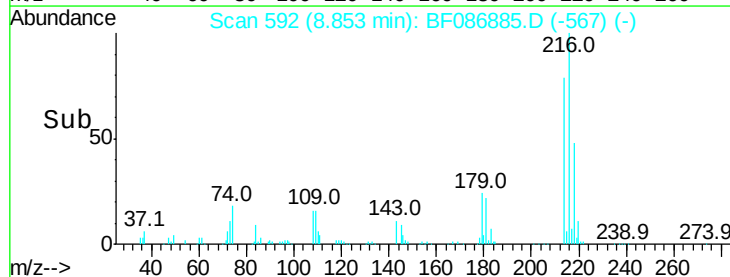
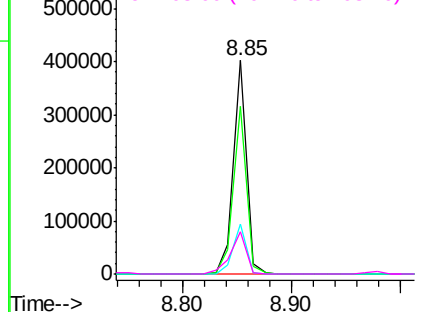


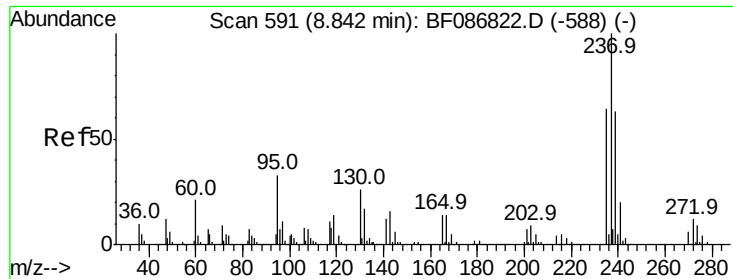
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 58.11 ng

RT: 8.84 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

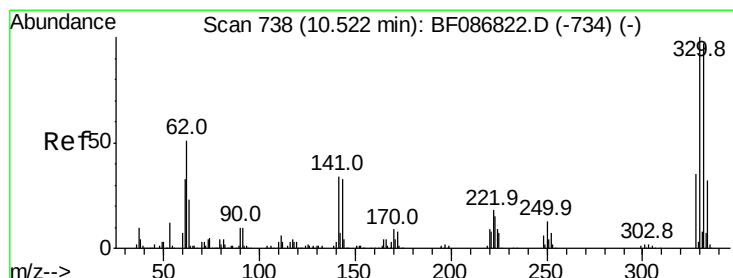
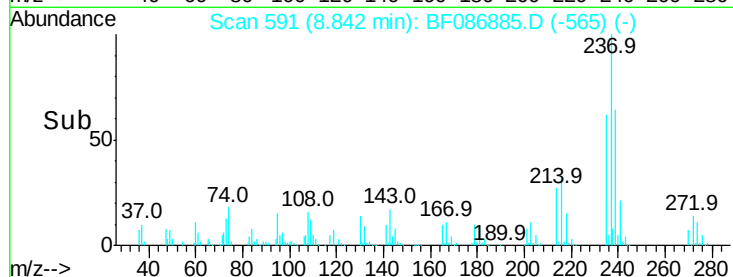
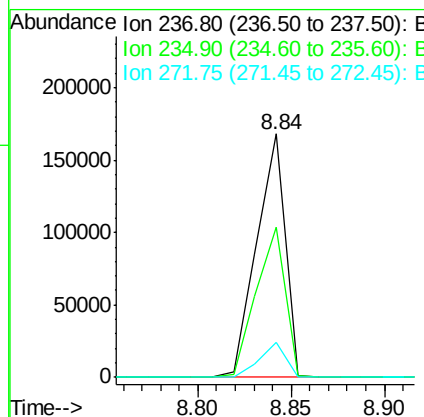
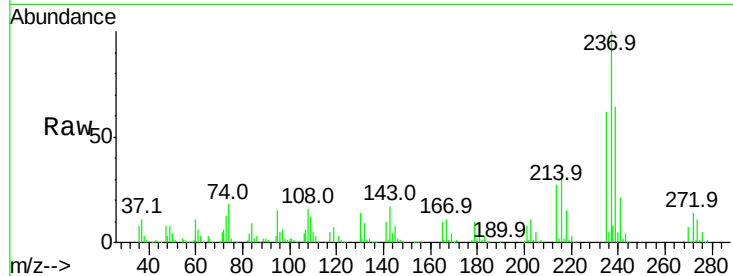
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:	237	Resp:	177104
Ion Ratio	Lower	Upper	
237	100		
235	61.9	47.2	87.2
272	14.3	0.0	31.1

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#41

2,4,6-Tribromophenol

Concen: 107.46 ng

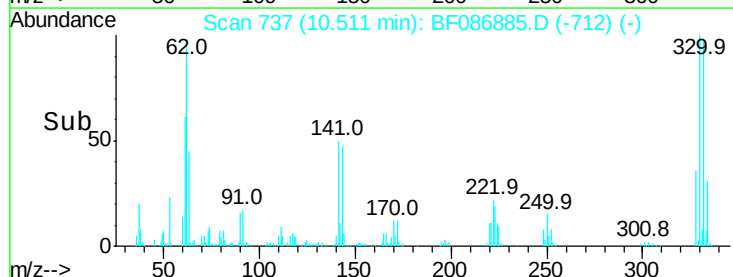
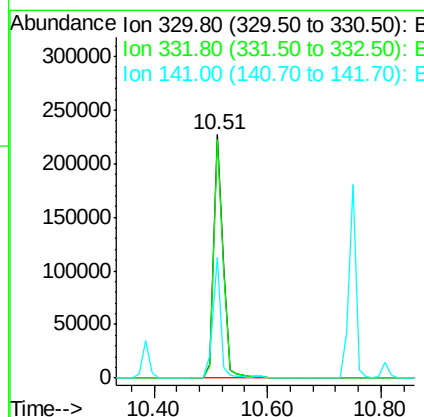
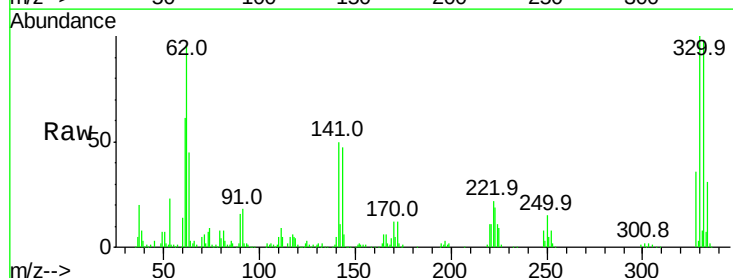
RT: 10.51 min Scan# 737

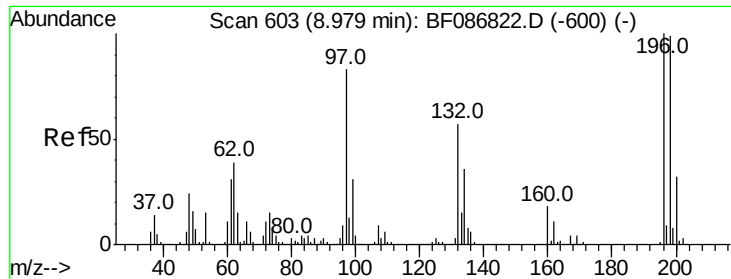
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	330	Resp:	251231
Ion Ratio	Lower	Upper	
330	100		
332	96.9	79.0	118.4
141	40.7	31.2	46.8





#42

2,4,6-Trichlorophenol

Concen: 45.22 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

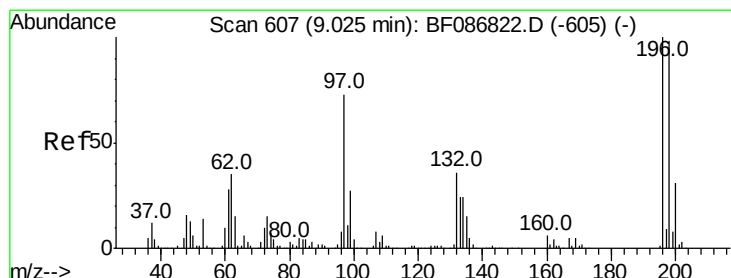
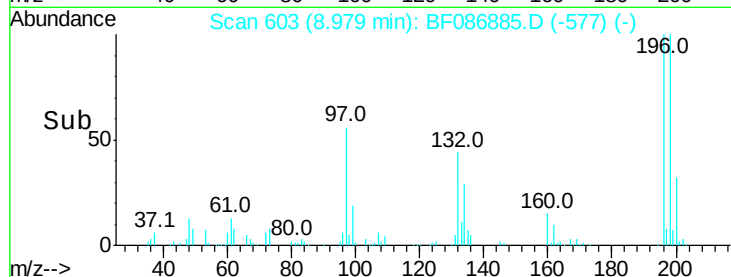
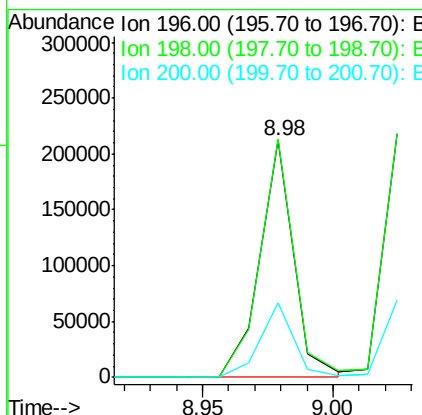
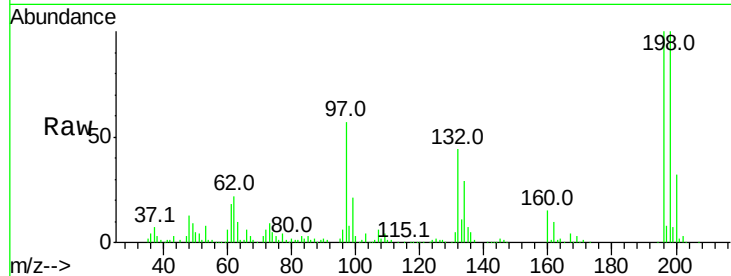
VITALE-FILL-CSPH3-7KMSD

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Tot Ion:	196	Resp:	194146
Ion Ratio	Lower	Upper	
196	100		
198	100.5	74.7	112.1
200	31.7	23.8	35.6



#43

2,4,5-Trichlorophenol

Concen: 44.60 ng

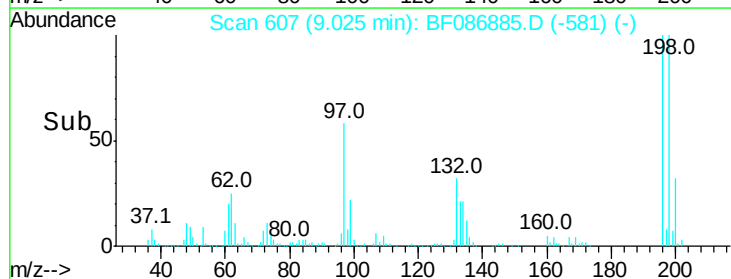
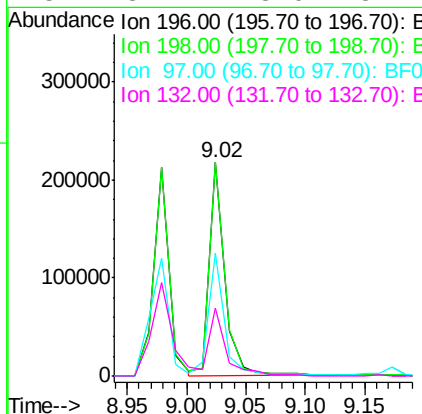
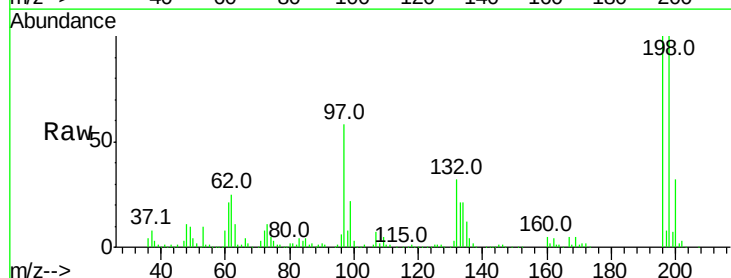
RT: 9.02 min Scan# 607

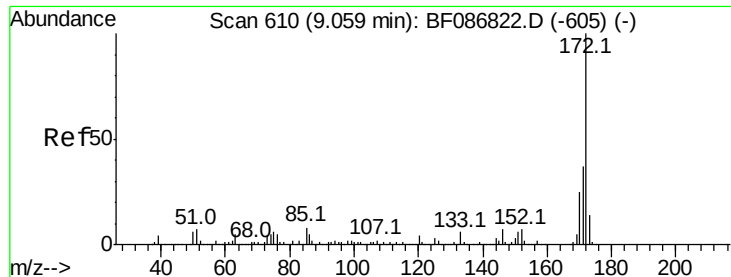
Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	196	Resp:	198043
Ion Ratio	Lower	Upper	
196	100		
198	100.1	77.5	116.3
97	57.8	34.8	52.2#
132	31.7	23.0	34.4





#44

2-Fluorobiphenyl

Concen: 97.29 ng

RT: 9.06 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

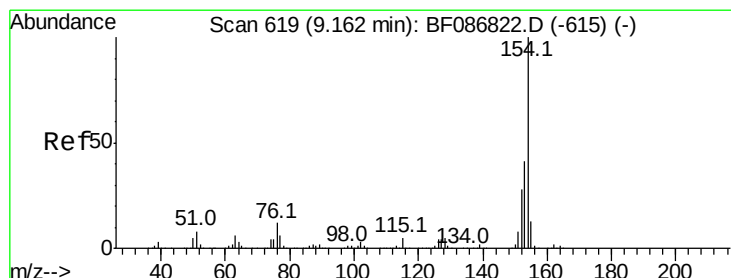
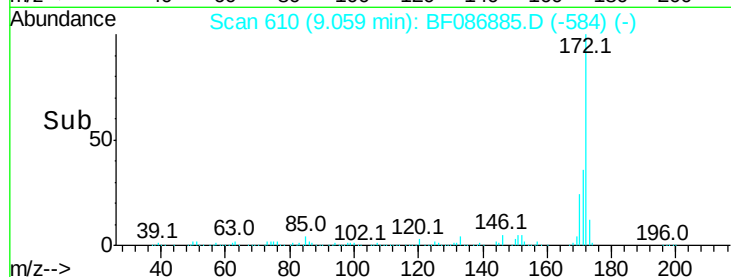
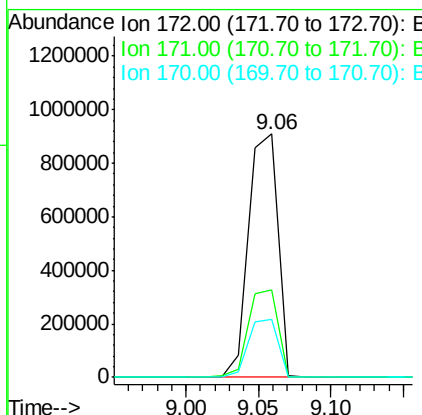
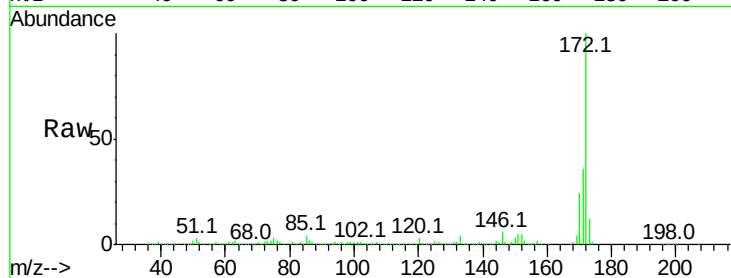
VITALE-FILL-CSPH3-7KMSD

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Tot Ion:172	Resp: 1278336		
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.0	43.6
170	23.9	19.8	29.8



#45

1,1'-Biphenyl

Concen: 48.72 ng

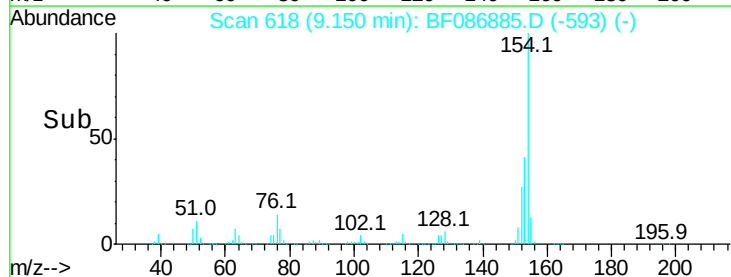
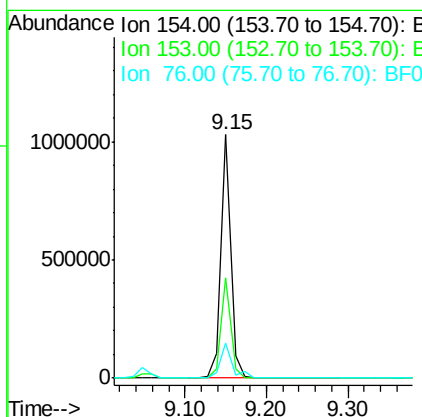
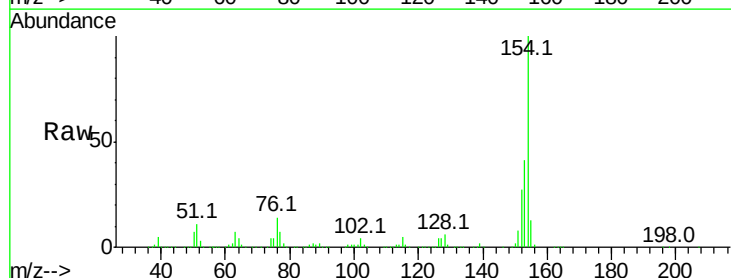
RT: 9.15 min Scan# 618

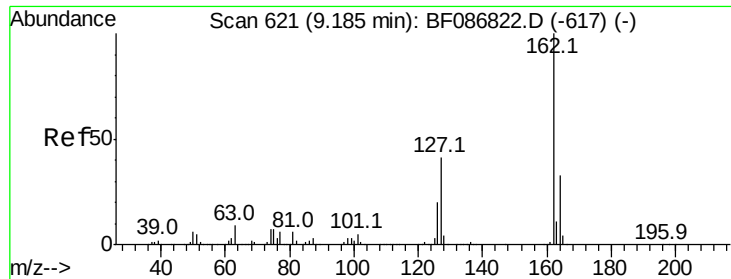
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ion:154	Resp: 855714	
	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	14.4	0.0	30.2





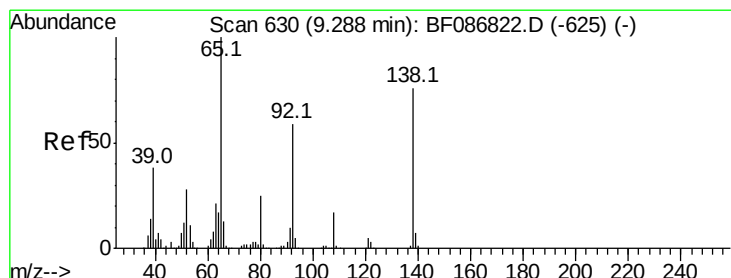
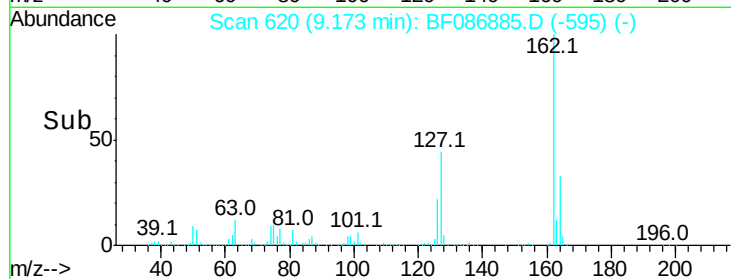
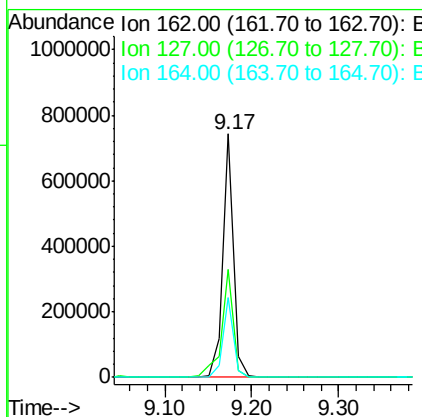
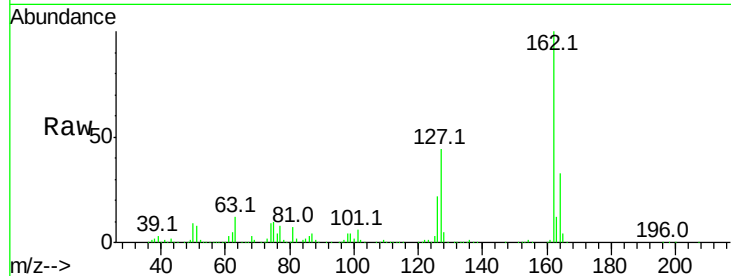
#46
 2-Chloronaphthalene
 Concen: 46.82 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	644361		
127	44.4	31.8	47.6	
164	32.7	27.0	40.6	

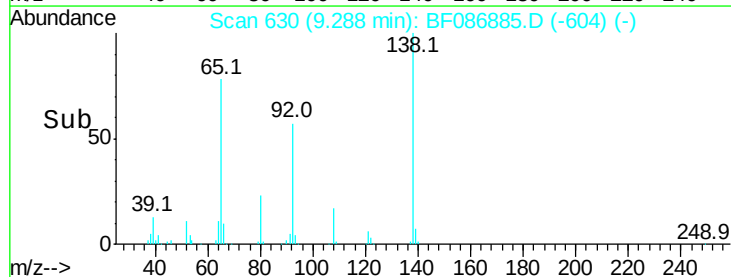
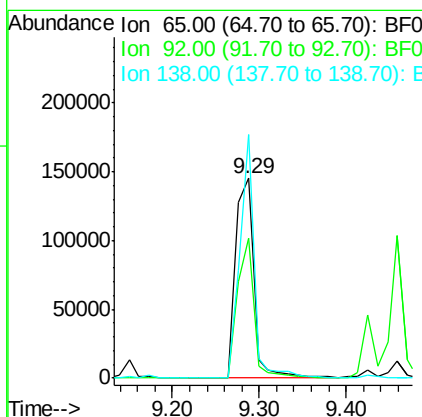
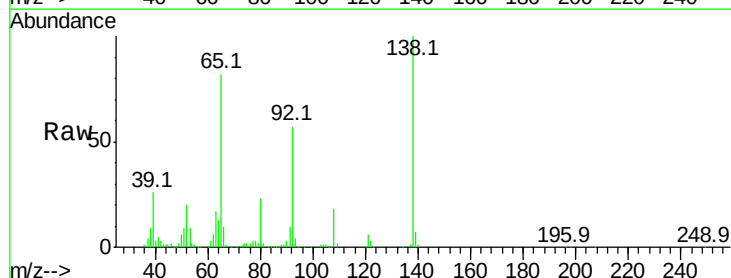
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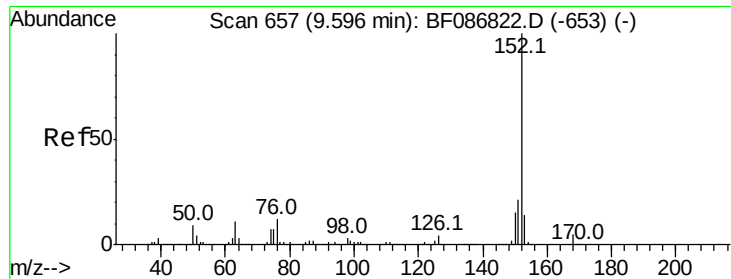
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#47
 2-Nitroaniline
 Concen: 41.81 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	210296		
92	70.0	57.4	86.2	
138	121.9	90.1	135.1	





#48

Acenaphthylene

Concen: 46.44 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

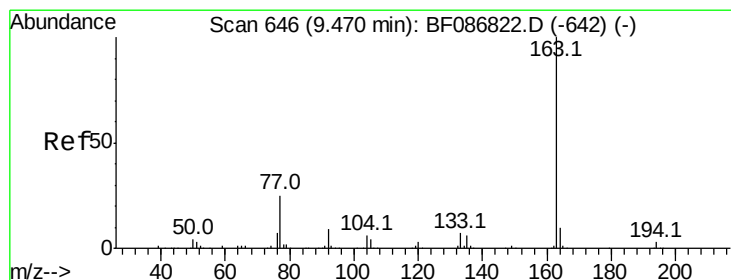
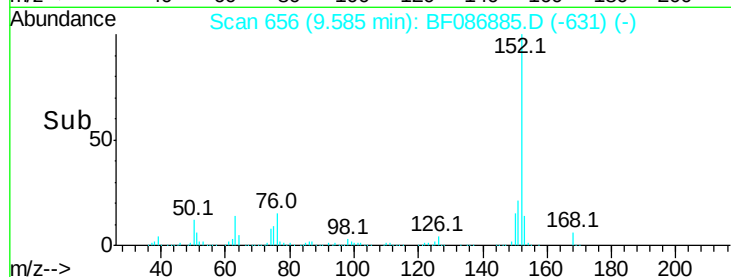
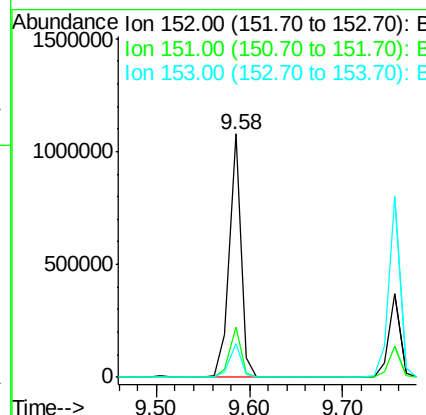
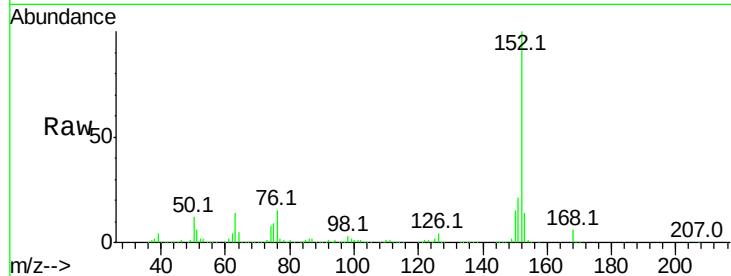
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		939945		
151	20.5	16.8	25.2		
153	14.1	10.9	16.3		



#49

Dimethylphthalate

Concen: 53.61 ng

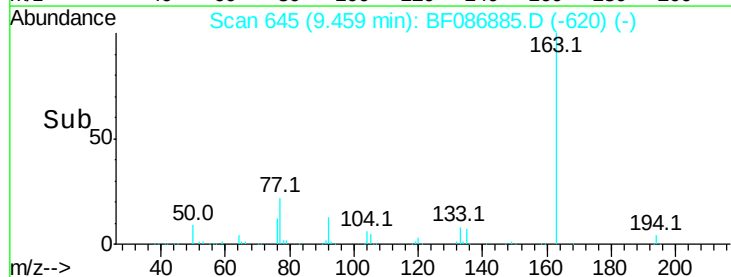
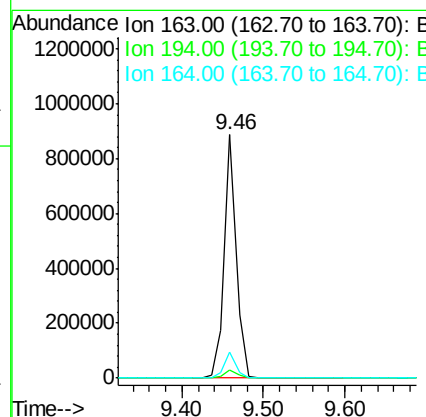
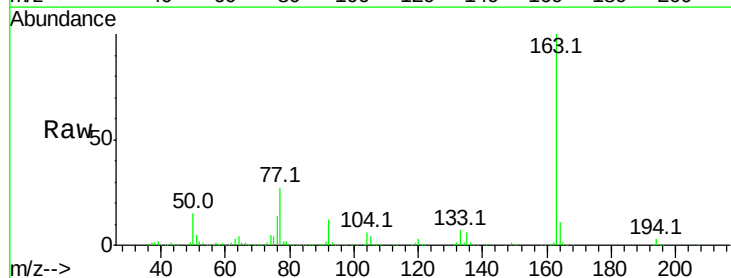
RT: 9.46 min Scan# 645

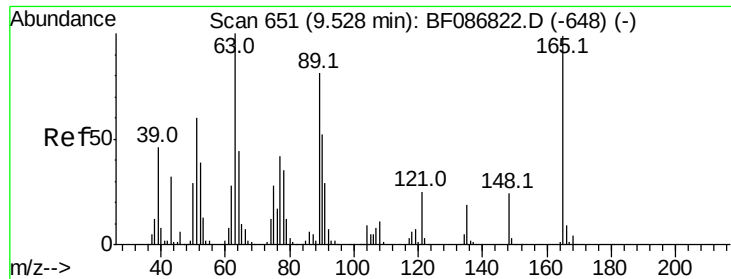
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		903269		
194	3.2	2.6	4.0		
164	10.6	8.2	12.4		





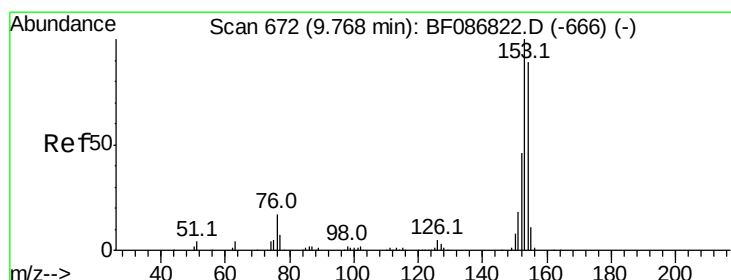
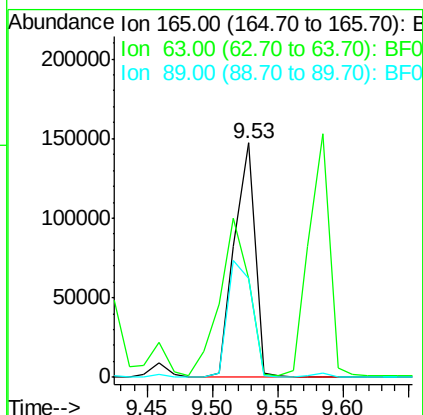
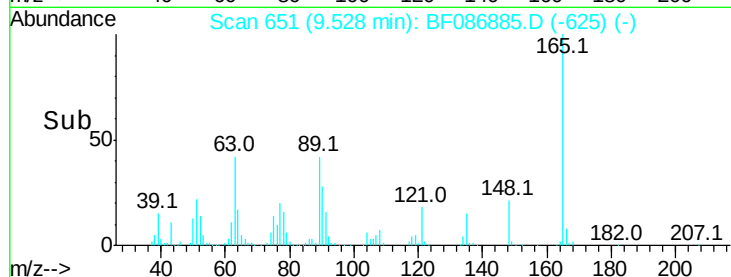
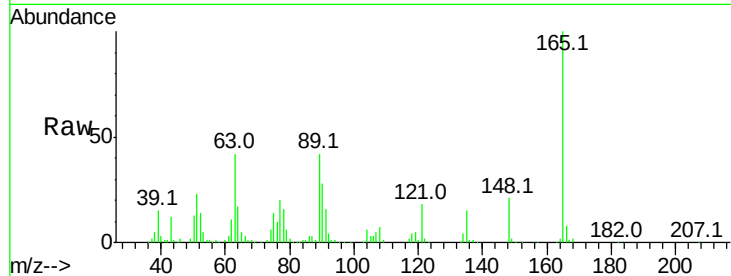
#50
2,6-Dinitrotoluene
Concen: 45.71 ng
RT: 9.53 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	42.0	51.8	77.8#	
89	42.4	50.7	76.1#	

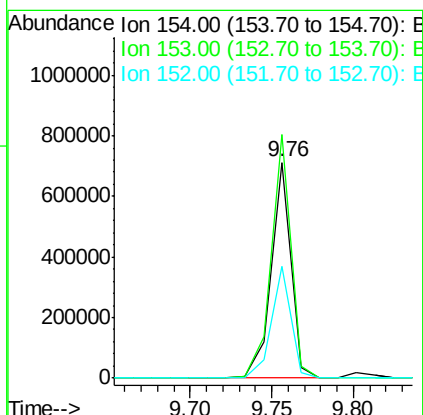
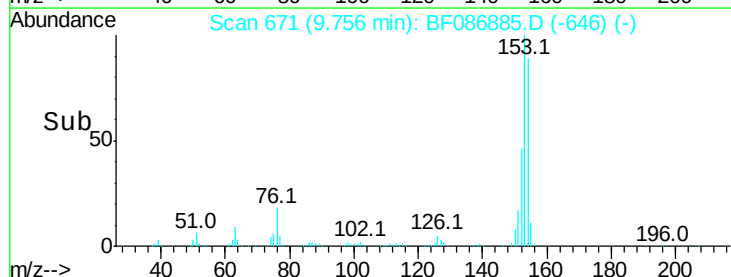
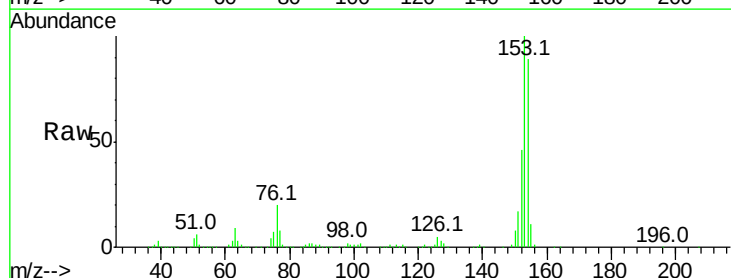
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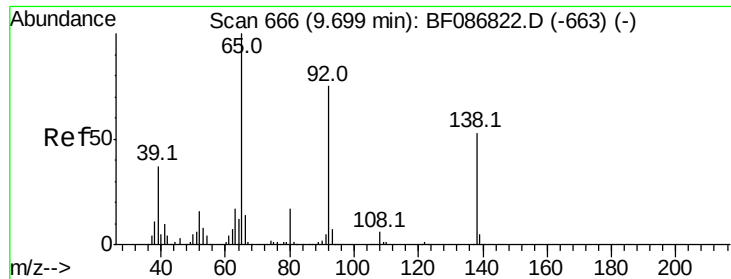
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#51
Acenaphthene
Concen: 47.70 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.8	89.8	134.6	
152	51.7	43.4	65.0	





#52

3-Nitroaniline

Concen: 23.59 ng

RT: 9.70 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

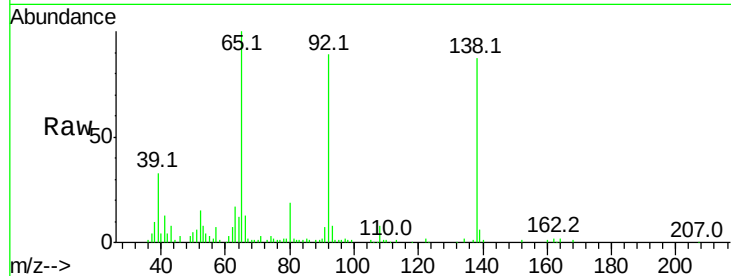
VITALE-FILL-CSPH3-7KMSD

Manual Integrations
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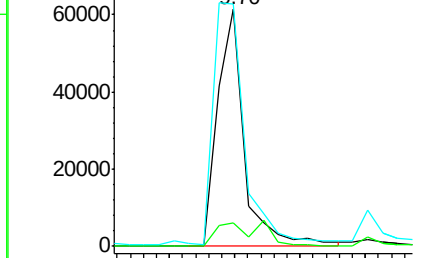
Tot Ion:138	Resp:	88047
Ion Ratio	Lower	Upper
138 100		
108 9.7	7.8	11.6
92 102.2	87.8	131.8



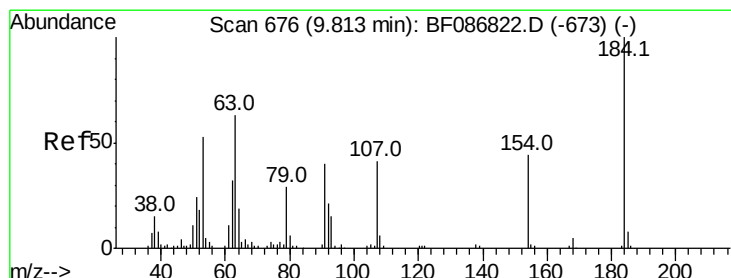
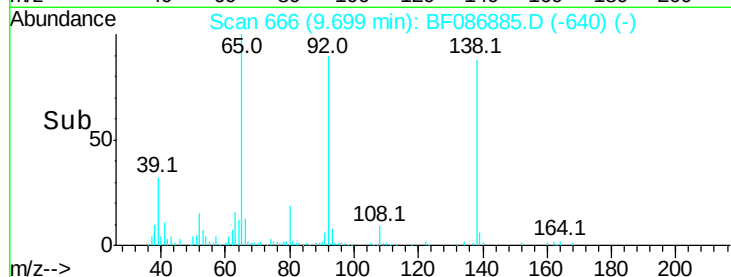
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



Time-->



#53

2,4-Dinitrophenol

Concen: 28.99 ng

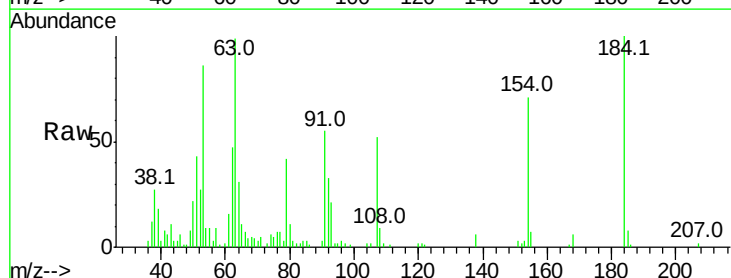
RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

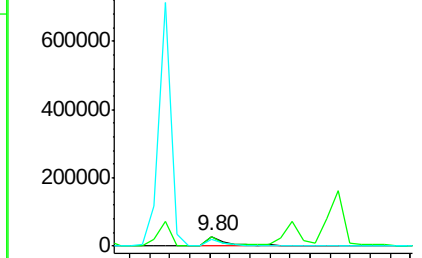
Tgt Ion:184	Resp:	42701
Ion Ratio	Lower	Upper
184 100		
63 98.6	55.8	83.8#
154 71.3	62.4	93.6



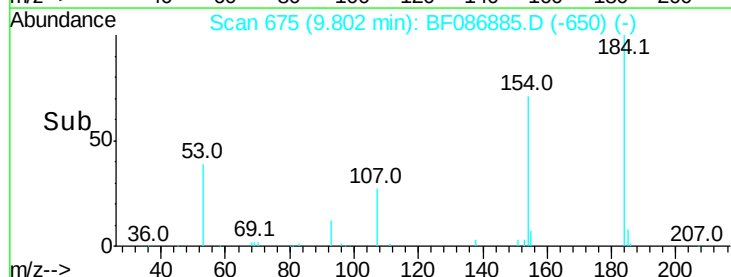
Abundance Ion 184.00 (183.70 to 184.70): E

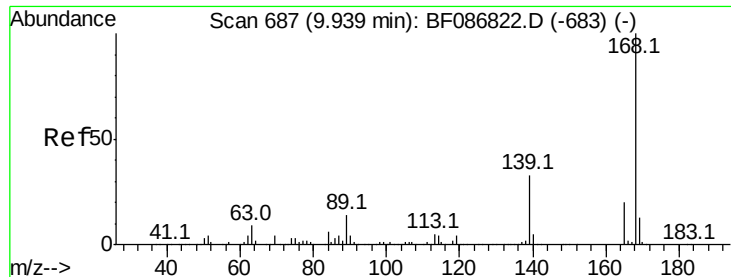
Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



Time-->





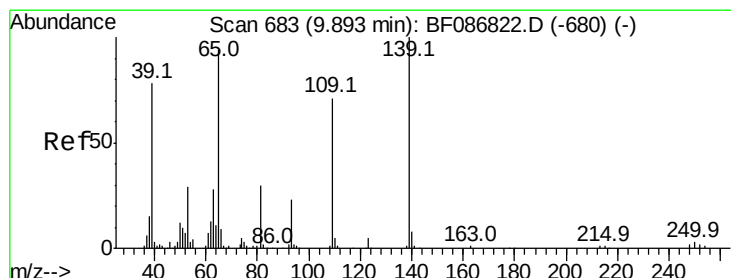
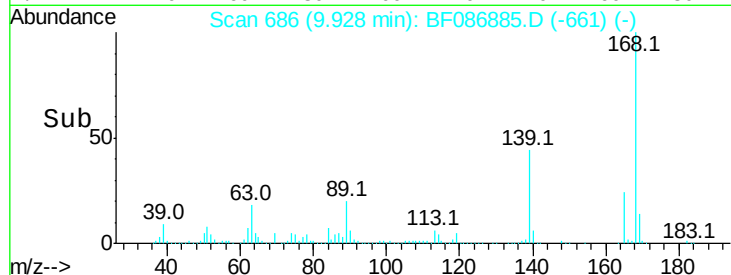
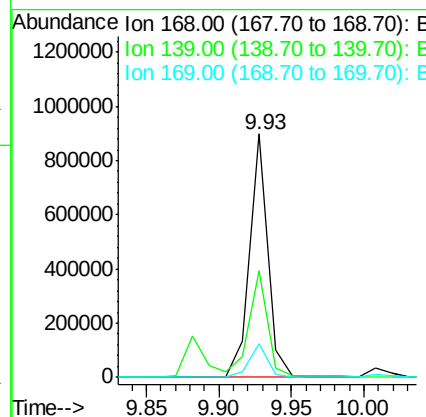
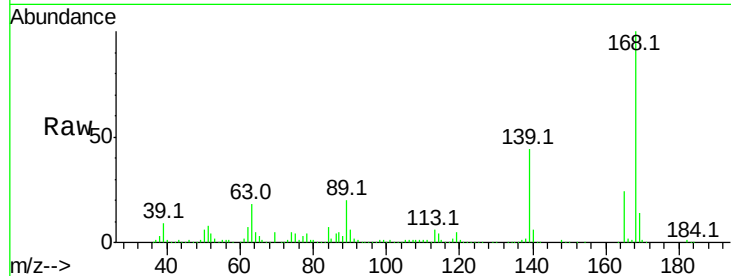
#54
Dibenzofuran
Concen: 48.82 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp Lower	Upper
168	100		
139	43.8	31.4	47.0
169	13.9	10.7	16.1

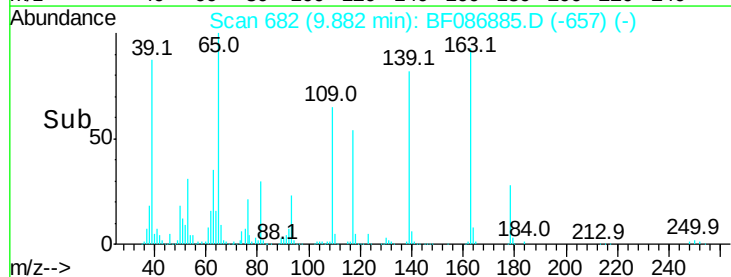
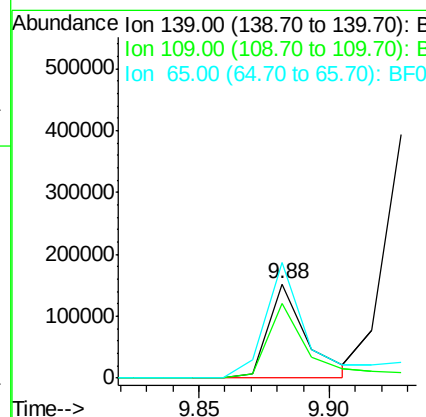
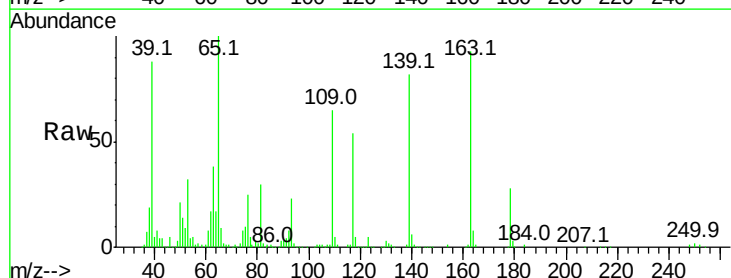
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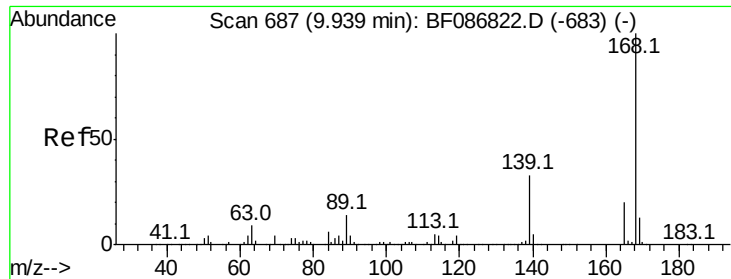
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#55
4-Nitrophenol
Concen: 63.05 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp Lower	Upper
139	100		
109	79.2	36.9	76.9#
65	122.2	64.0	104.0#





#56

2,4-Dinitrotoluene

Concen: 44.99 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

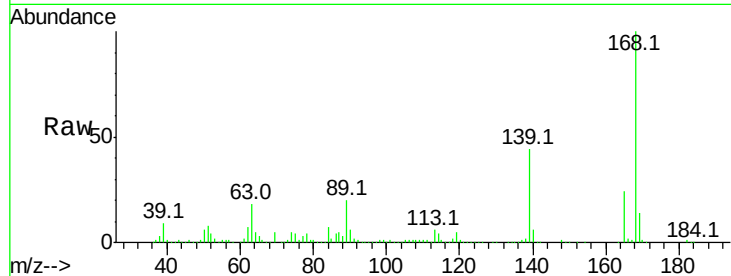
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

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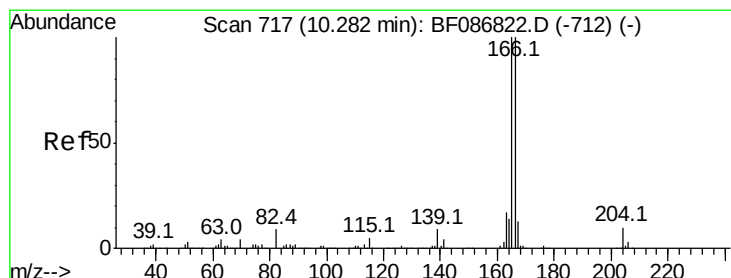
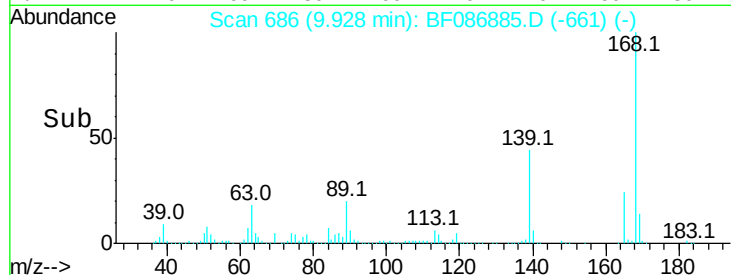
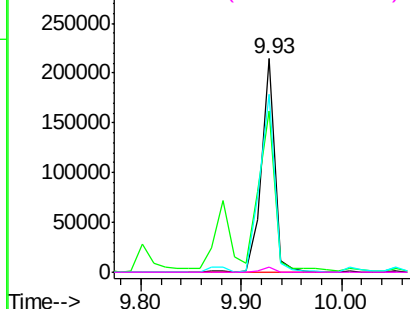
Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	75.4	44.3	66.5#	
89	83.4	70.0	105.0	
182	2.3	1.8	2.6	

Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 47.34 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086885.D

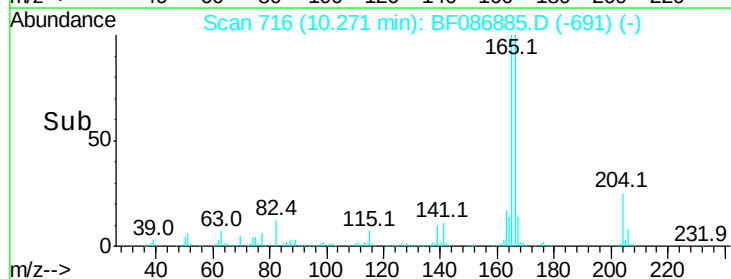
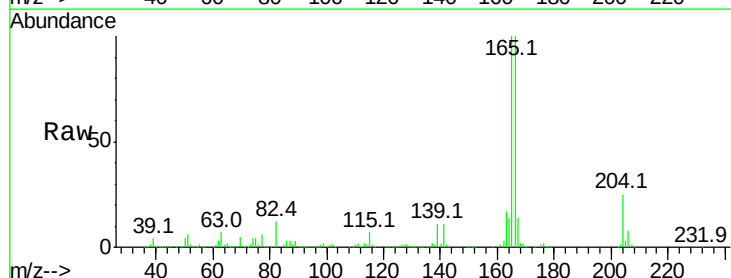
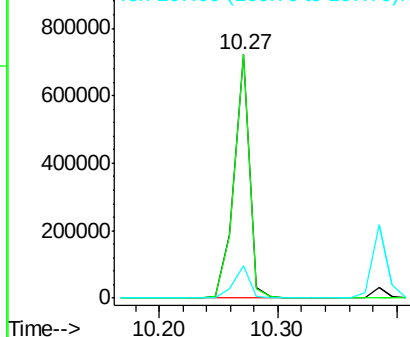
Acq: 11 May 2016 7:07

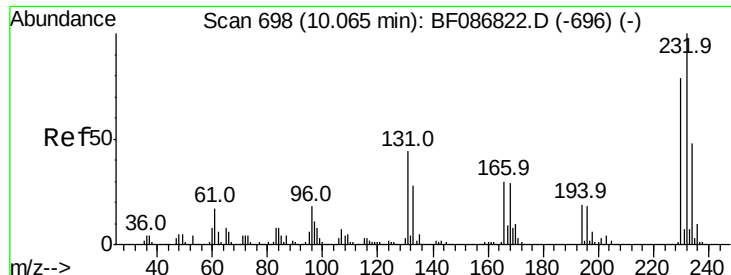
Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	79.0	118.6	
167	13.6	10.6	15.8	

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





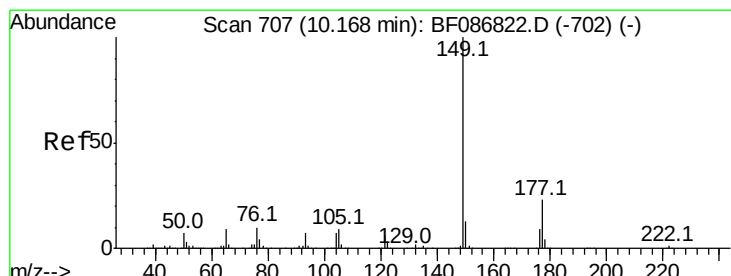
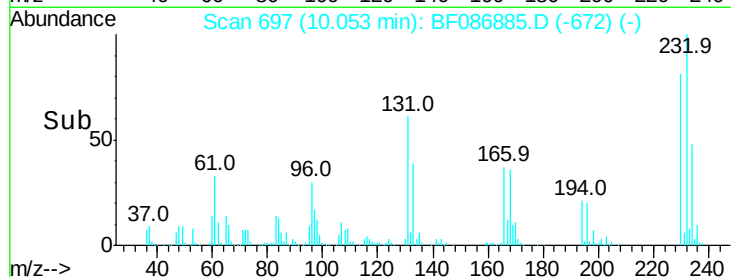
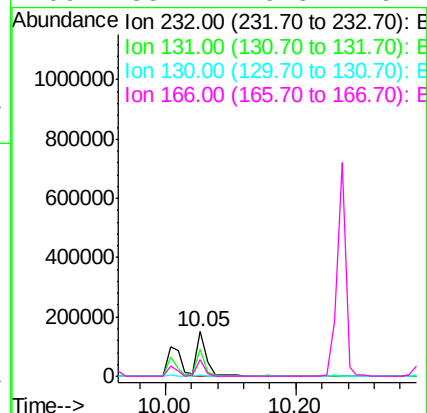
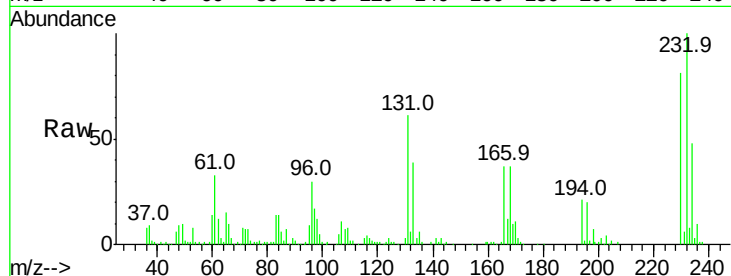
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 45.19 ng
 RT: 10.05 min Scan# 697
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	151063		
131	54.4	41.9	62.9	
130	3.0	2.2	3.4	
166	33.2	26.8	40.2	

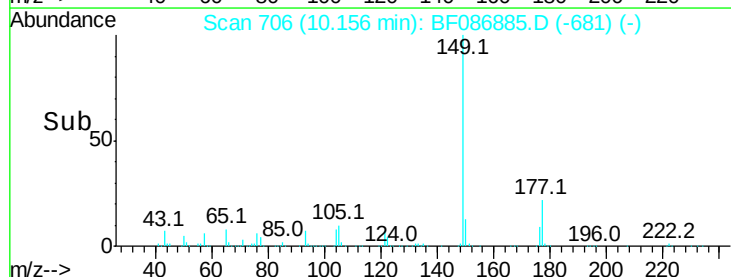
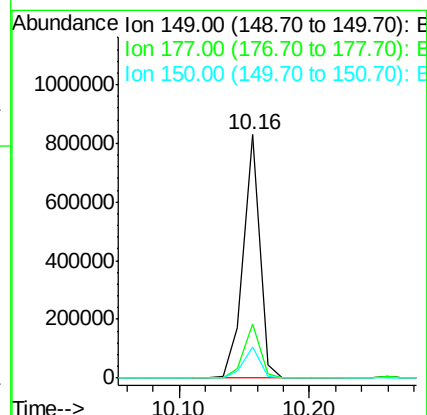
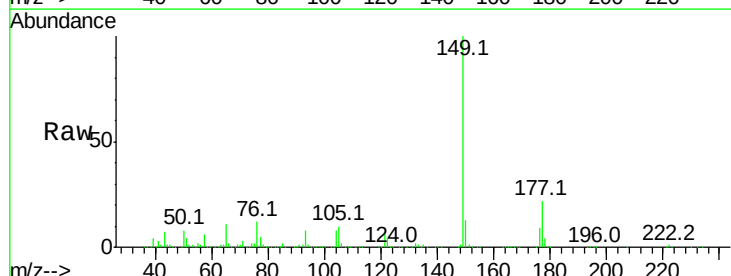
Manual Integrations
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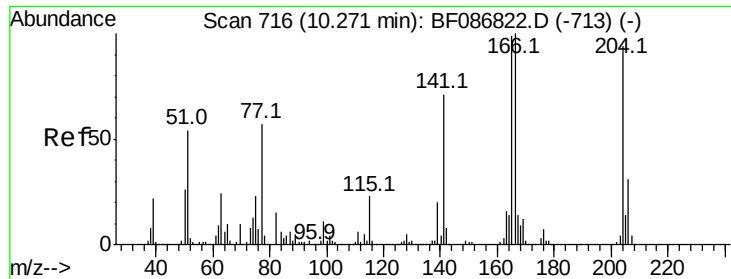
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#59
 Diethylphthalate
 Concen: 44.20 ng
 RT: 10.16 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	725751		
177	22.1	16.6	24.8	
150	12.9	10.0	15.0	





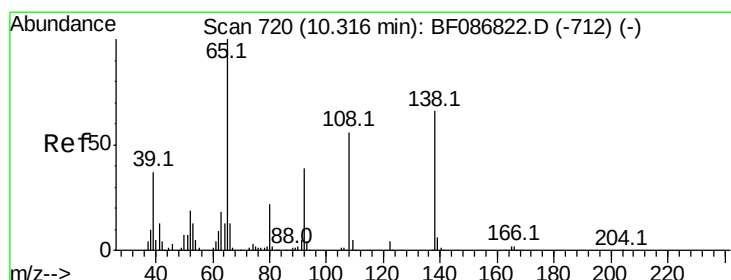
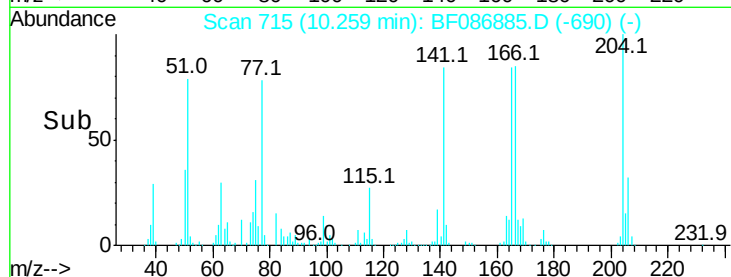
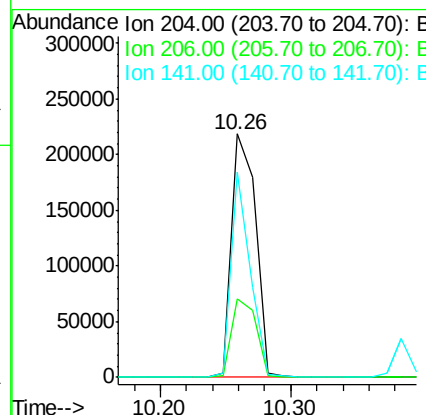
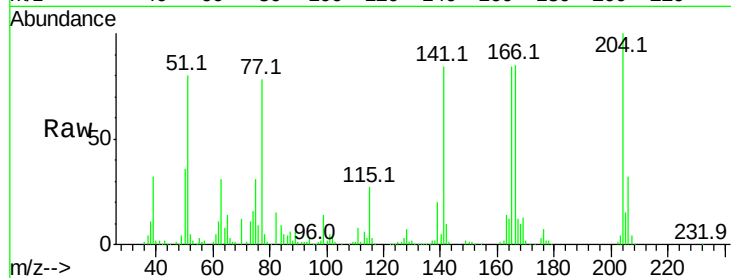
#60
4-Chlorophenyl-phenylether
Concen: 47.34 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.4	38.0
141	84.3	61.6	92.4

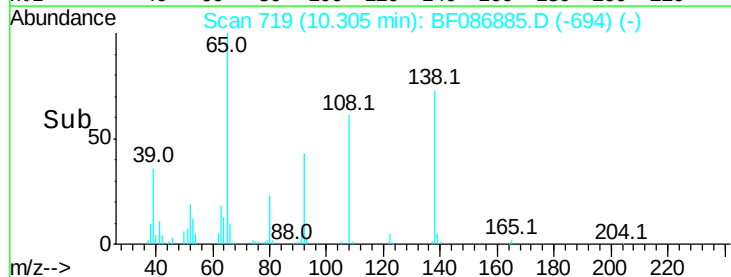
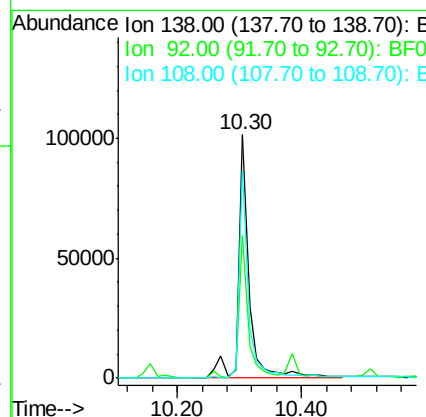
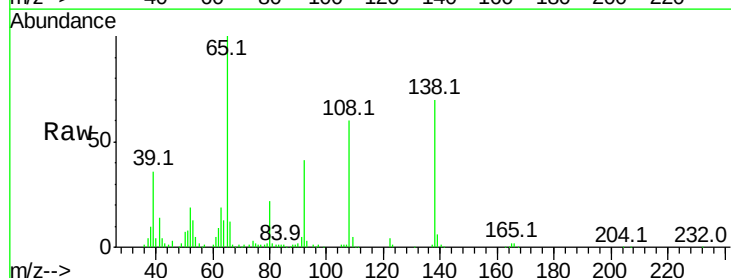
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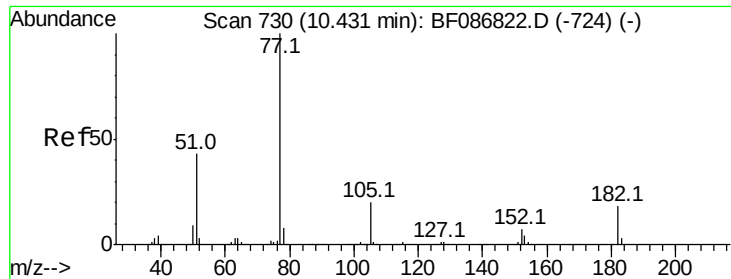
sohil
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#61
4-Nitroaniline
Concen: 34.01 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.5	24.7	64.7
108	85.5	37.4	77.4





#62

Azobenzene

Concen: 43.94 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF086885.D

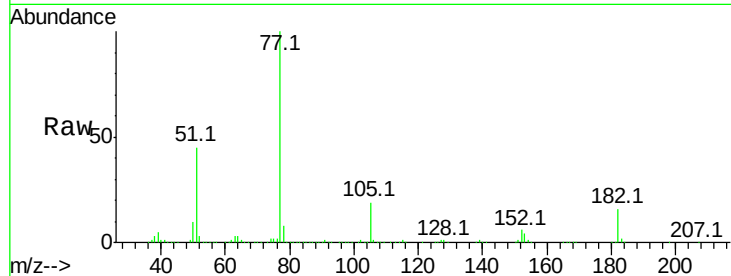
Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

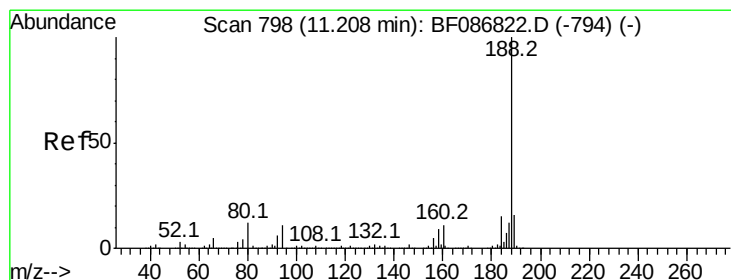
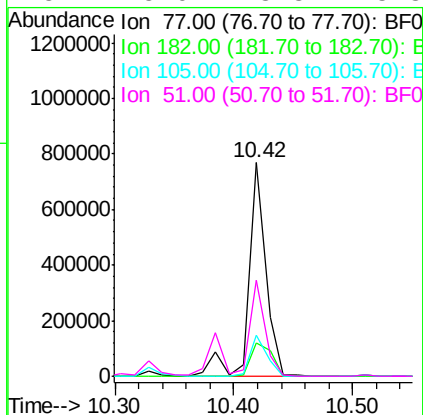
VITALE-FILL-CSPH3-7KMSD



Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	15.7	0.0	38.8	
105	19.4	3.2	43.2	
51	45.0	8.8	48.8	

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#63

Phenanthrene-d10

Concen: 20.00 ng

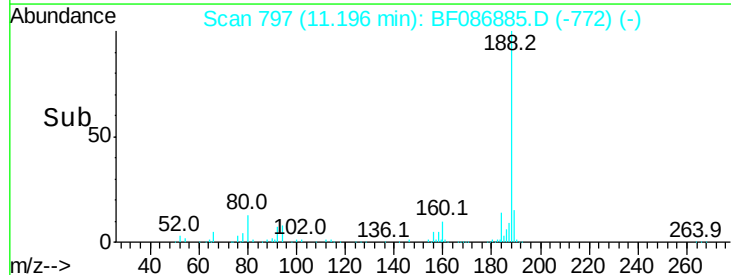
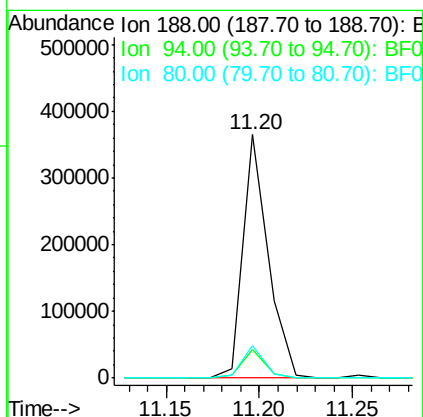
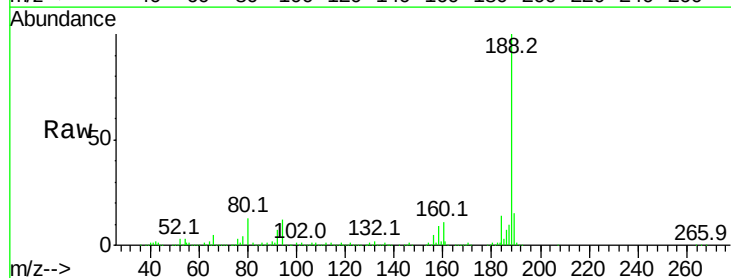
RT: 11.20 min Scan# 797

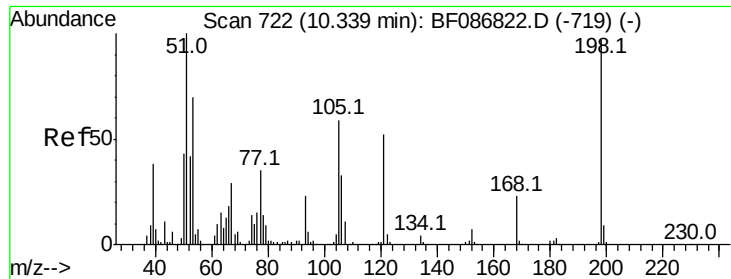
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.8	6.8	10.2#	
80	13.5	7.1	10.7#	





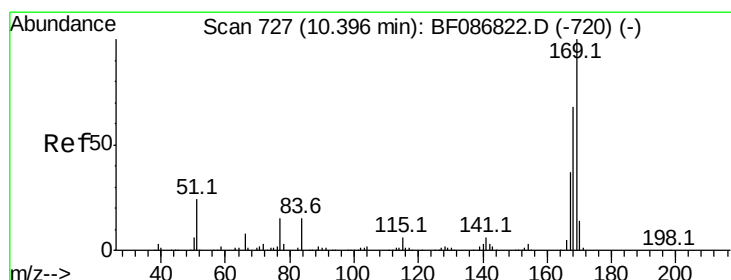
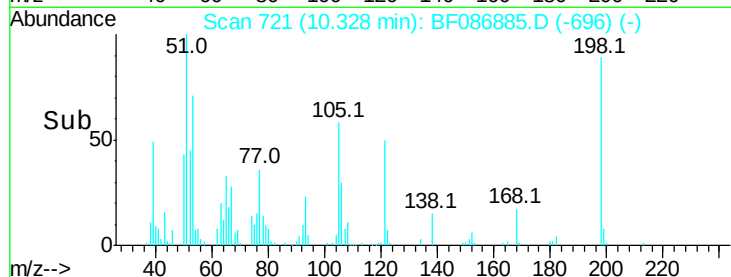
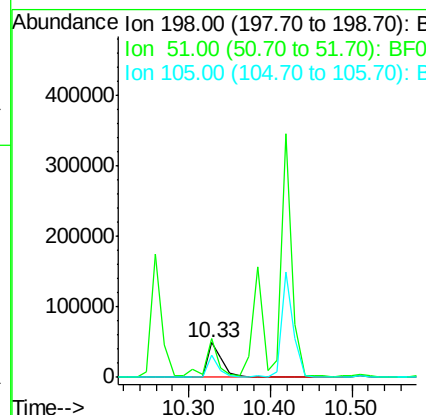
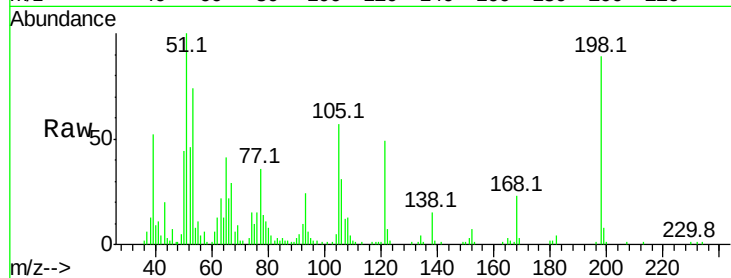
#64
4,6-Dinitro-2-methylphenol
Concen: 29.46 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	63012		
51	112.5	20.5	60.5#	
105	63.7	24.5	64.5	

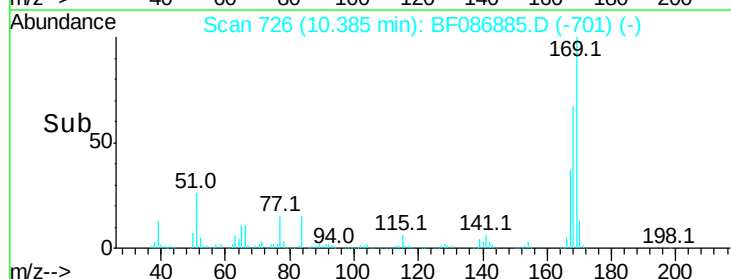
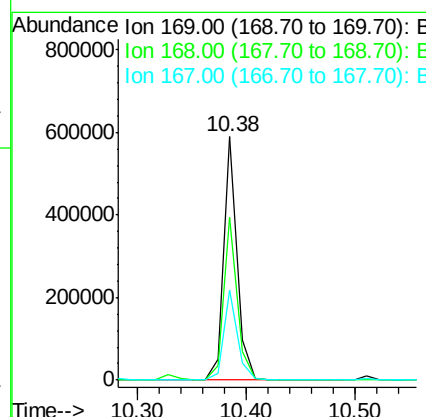
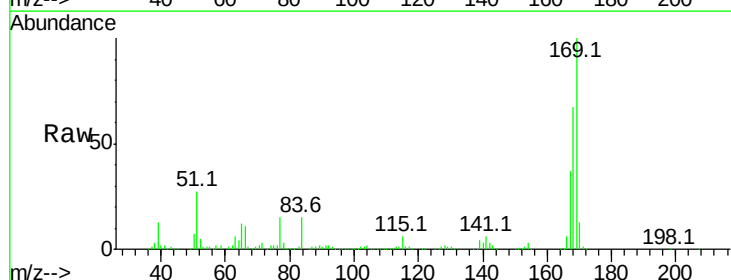
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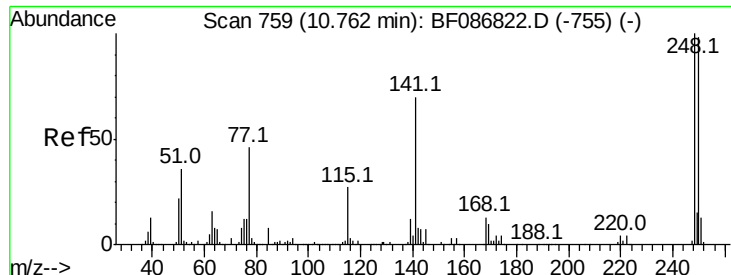
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#65
n-Nitrosodiphenylamine
Concen: 48.63 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	514376		
168	67.0	53.8	80.6	
167	36.9	29.5	44.3	





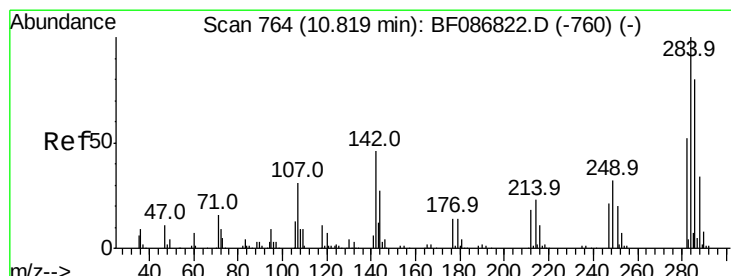
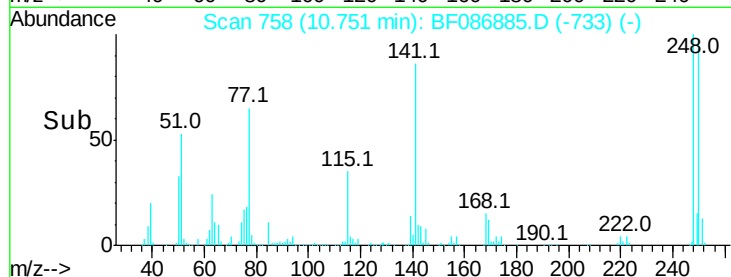
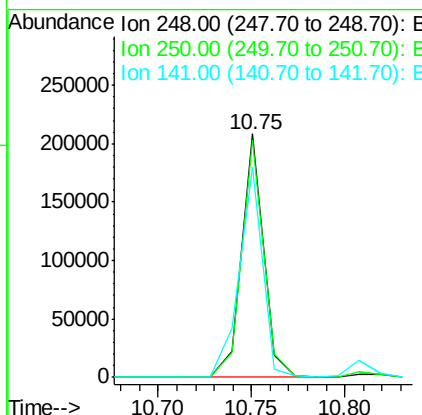
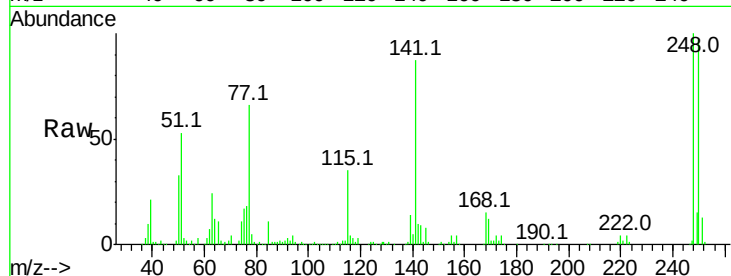
#66
 4-Bromophenyl-phenylether
 Concen: 49.68 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100			
250	97.2	78.6	117.8	
141	86.6	76.0	114.0	

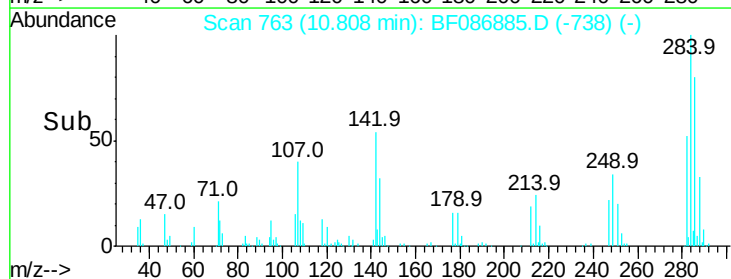
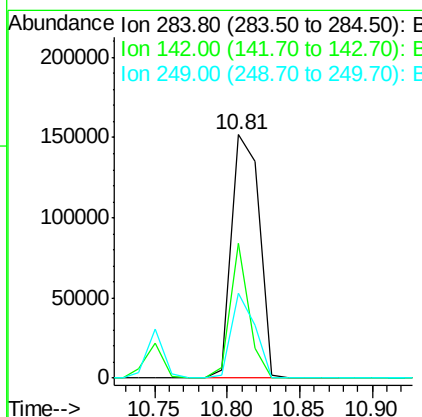
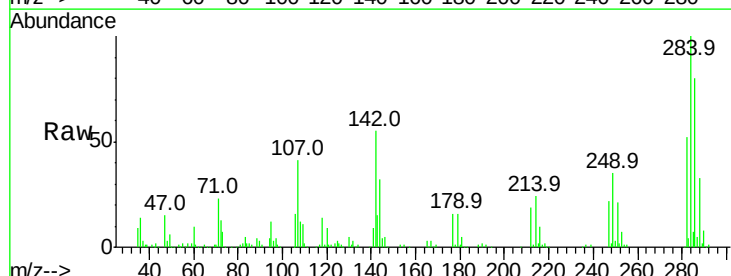
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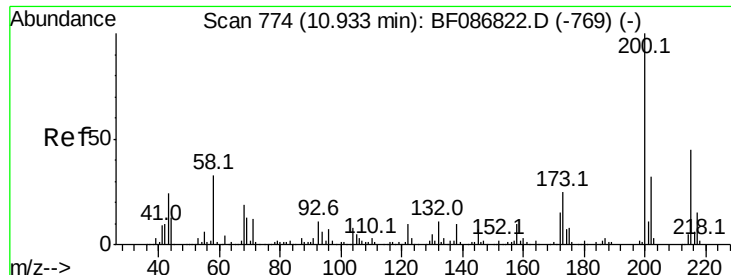
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#67
 Hexachlorobenzene
 Concen: 49.43 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	55.2	16.7	25.1#	
249	34.7	21.3	31.9#	





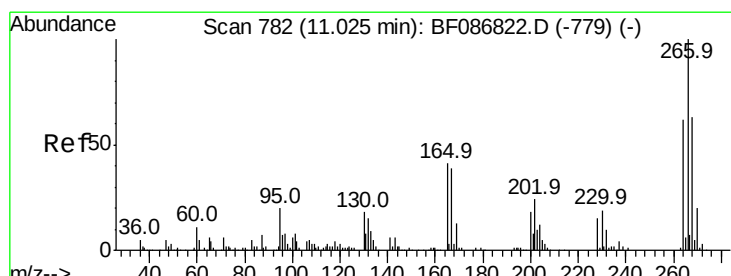
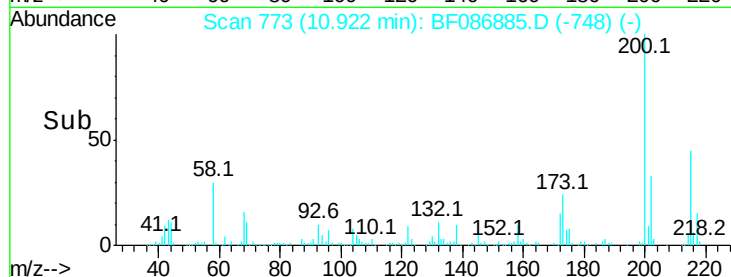
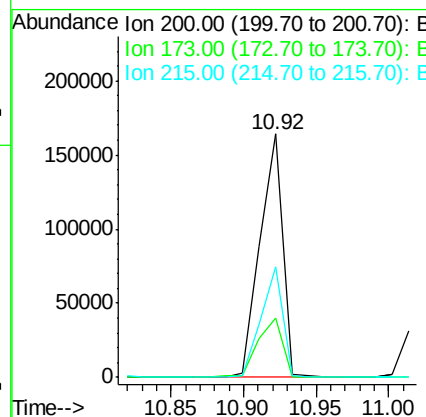
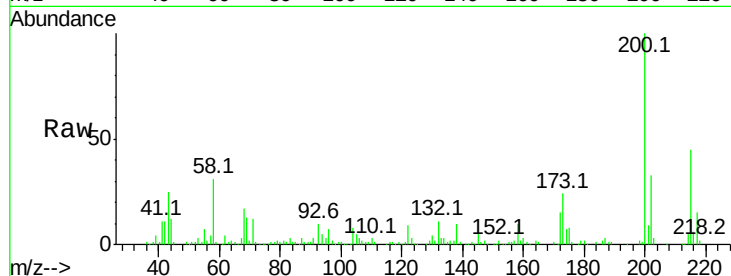
#68
Atrazine
Concen: 50.21 ng
RT: 10.92 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	24.1	8.5	48.5
215	45.5	27.2	67.2

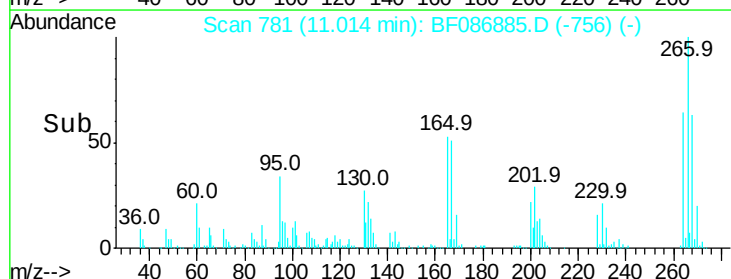
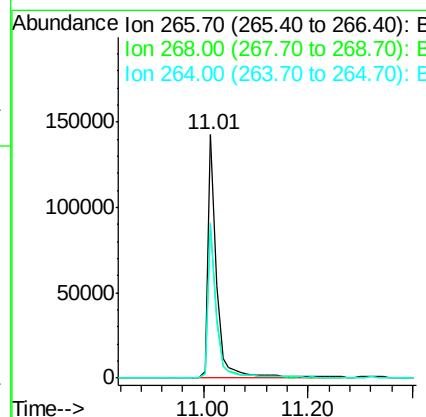
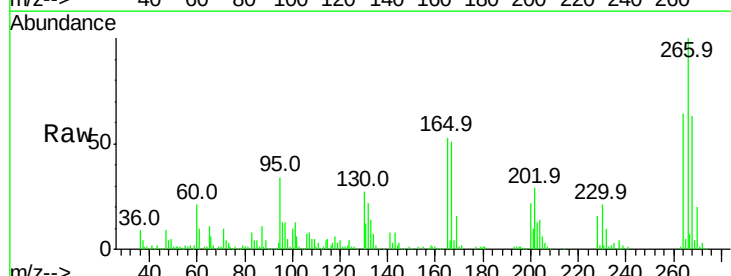
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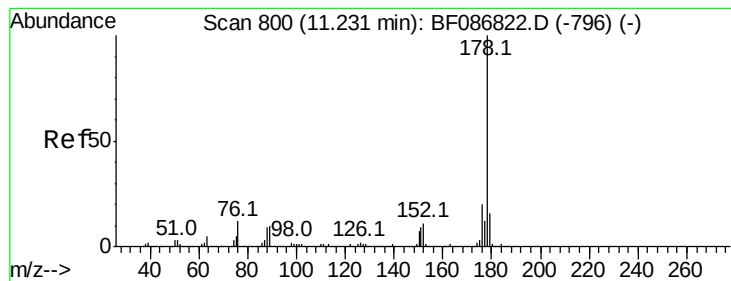
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#69
Pentachlorophenol
Concen: 90.40 ng
RT: 11.01 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.0	51.5	77.3
264	63.5	52.9	79.3





#70

Phenanthrene

Concen: 45.63 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

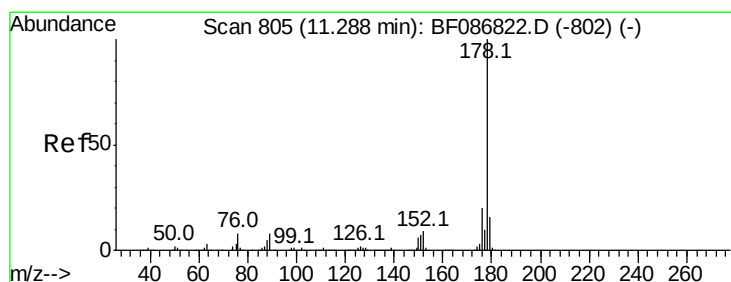
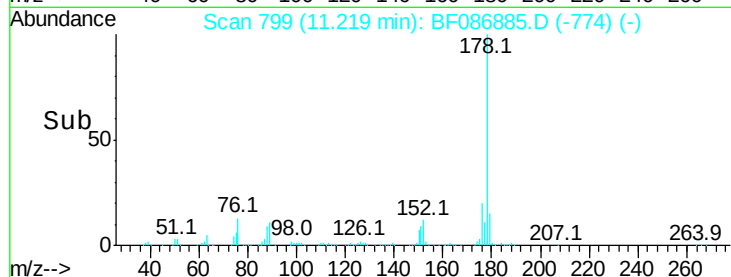
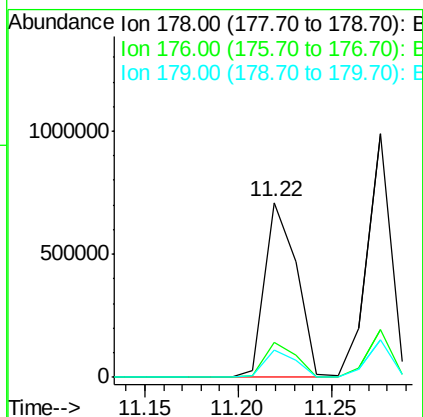
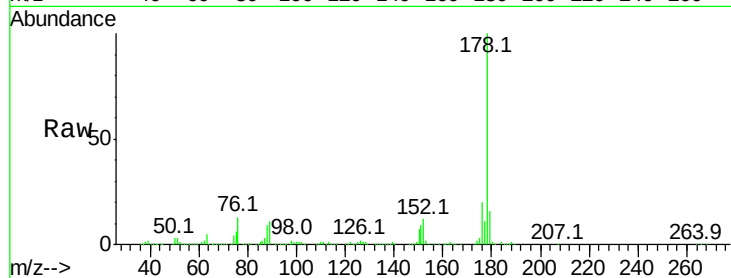
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:	178	Resp:	838295
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.0	24.0
179	15.8	12.6	18.8

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#71

Anthracene

Concen: 46.82 ng

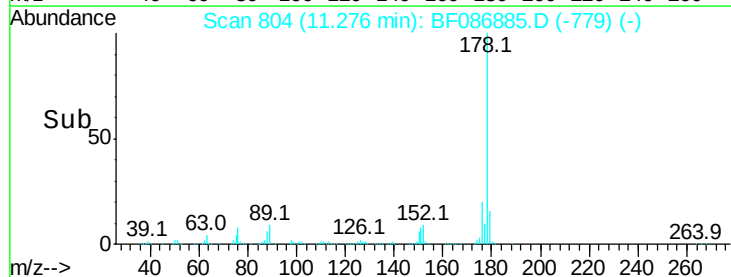
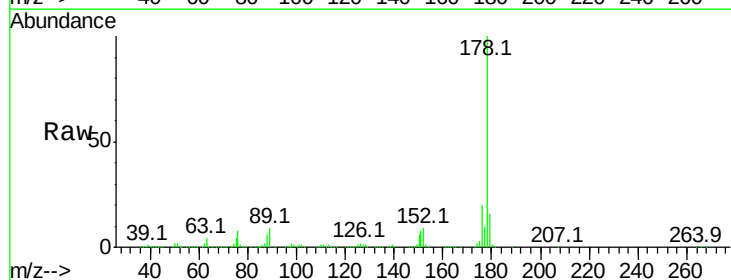
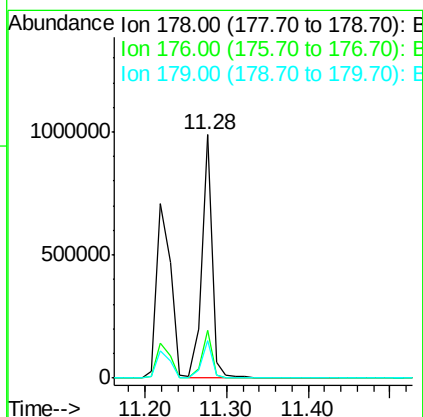
RT: 11.28 min Scan# 804

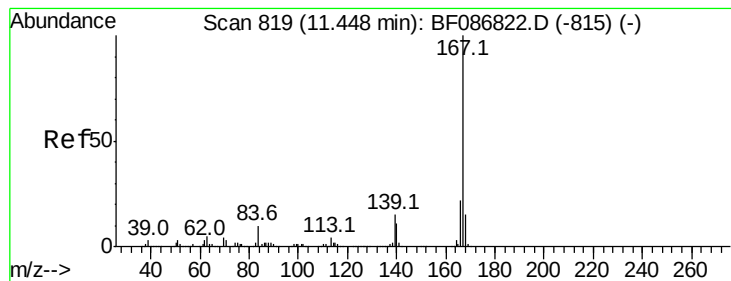
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	178	Resp:	879812
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.6	23.4
179	15.7	12.7	19.1





#72

Carbazole

Concen: 44.21 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

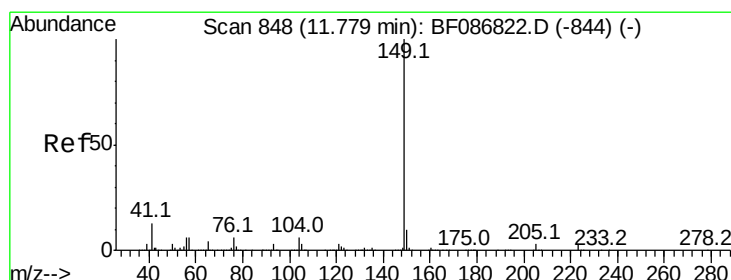
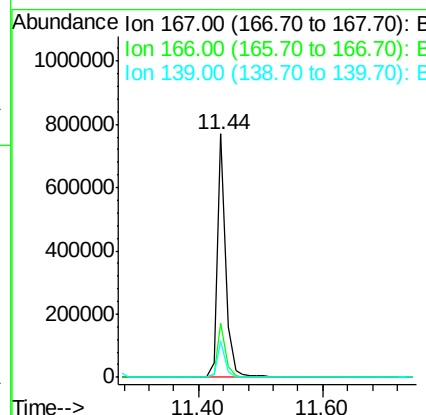
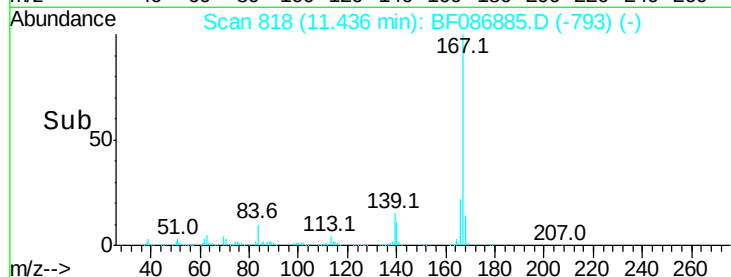
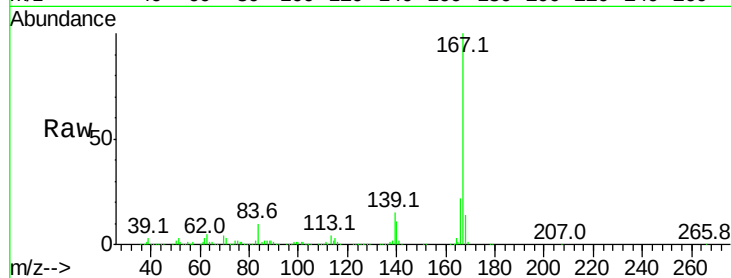
VITALE-FILL-CSPH3-7KMSD

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Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.7	26.5
139	14.7	10.8	16.2



#73

Di-n-butylphthalate

Concen: 47.35 ng

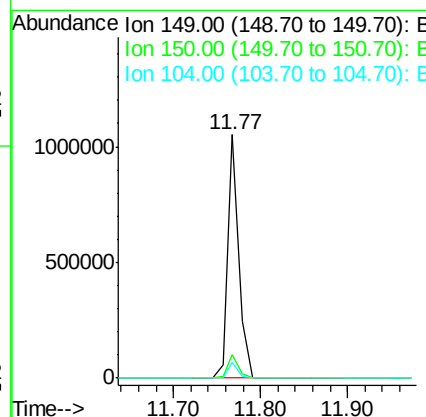
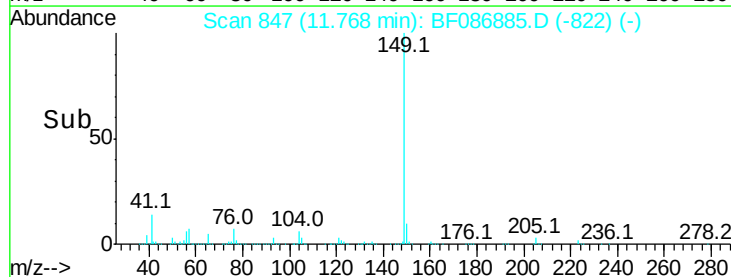
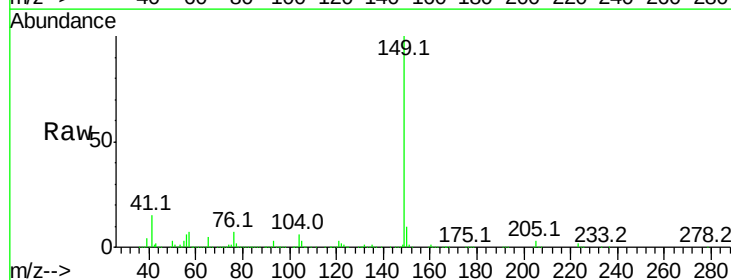
RT: 11.77 min Scan# 847

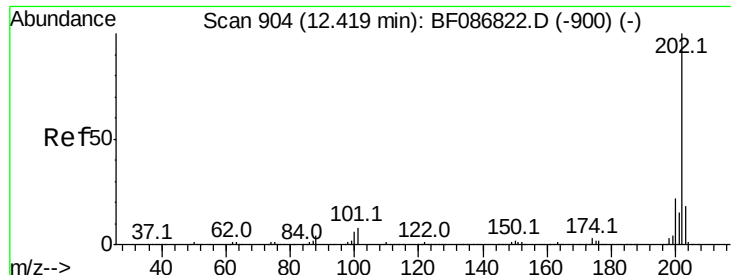
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	6.3	3.8	5.6





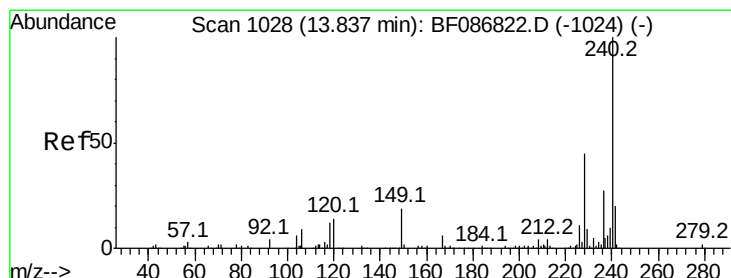
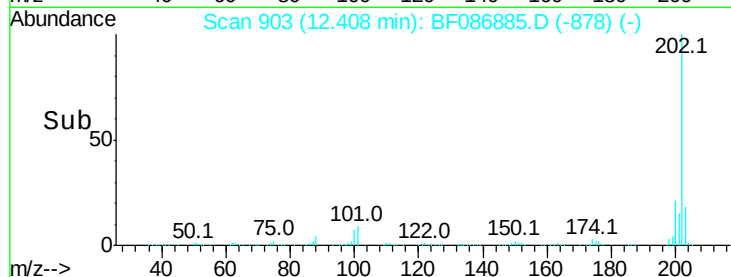
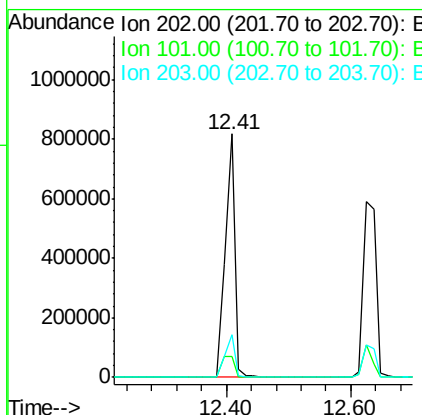
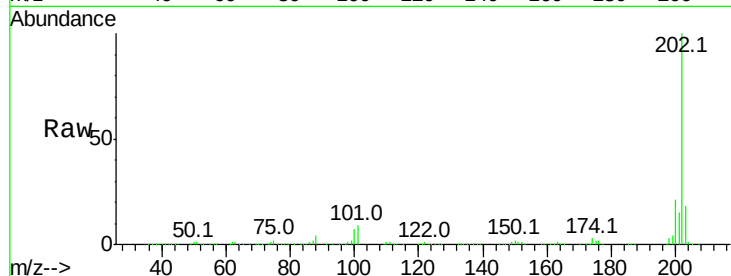
#74
Fluoranthene
 Concen: 45.43 ng
 RT: 12.41 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.7	0.0	35.4
203	17.5	0.0	38.1

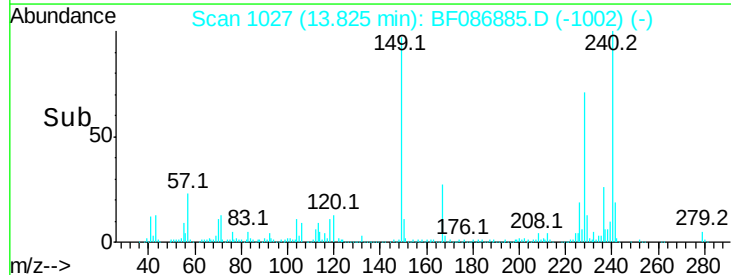
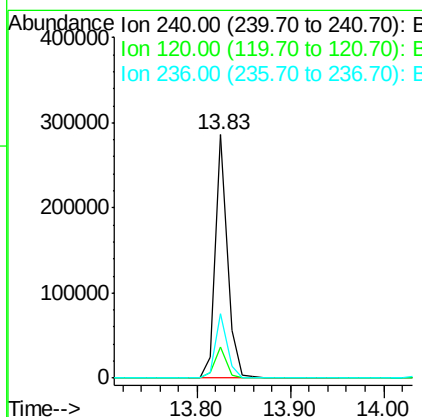
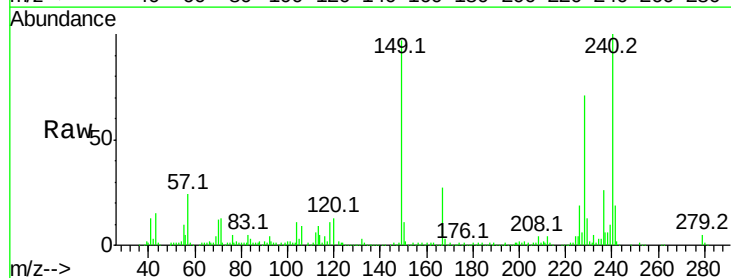
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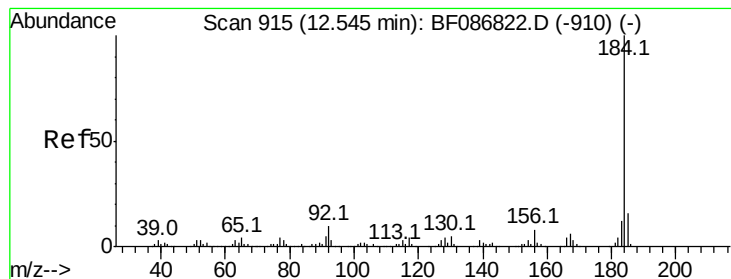
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	11.2	16.8
236	26.4	21.2	31.8





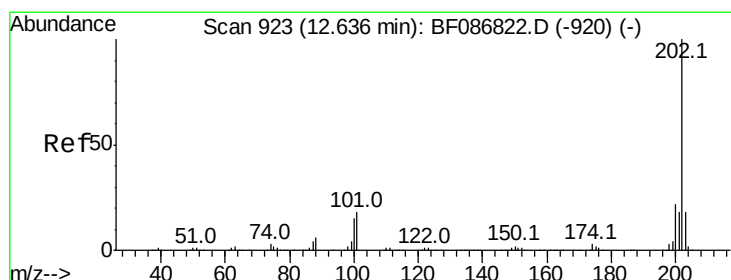
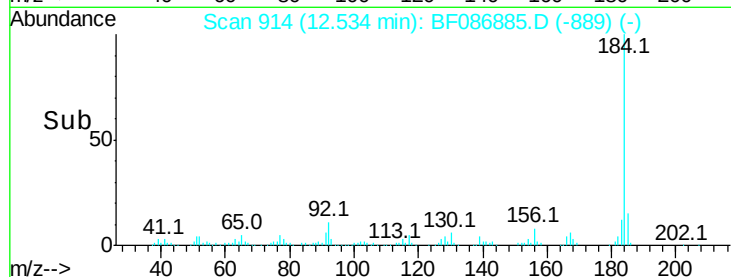
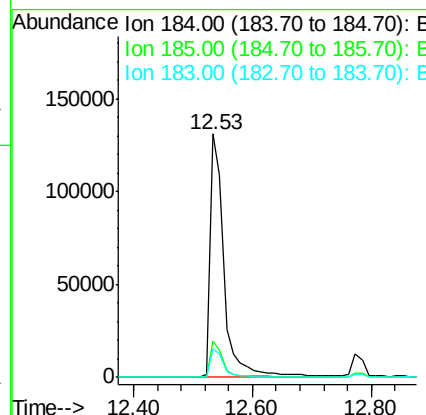
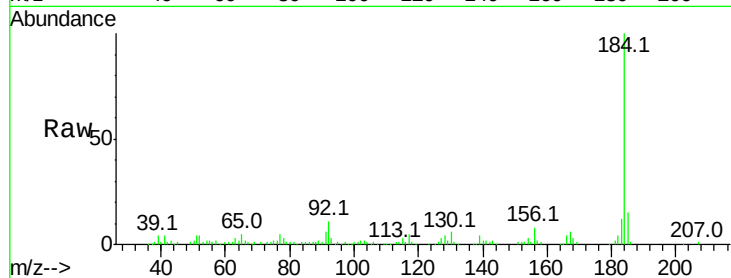
#76
Benzidine
Concen: 33.27 ng
RT: 12.53 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	217530		
185	14.8		13.6	20.4
183	11.8		9.8	14.6

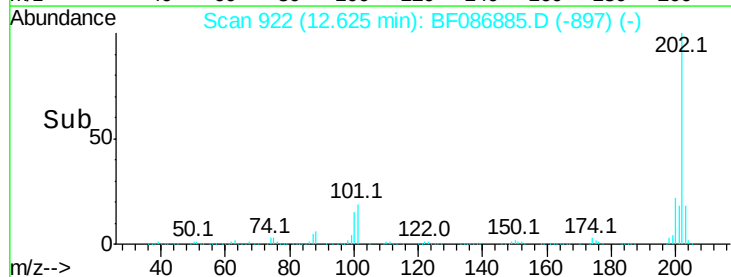
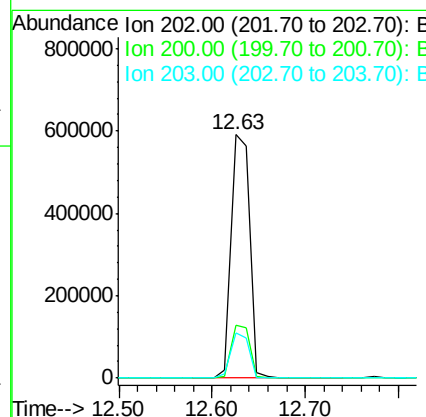
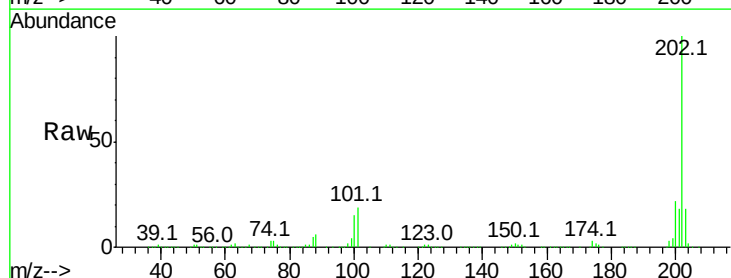
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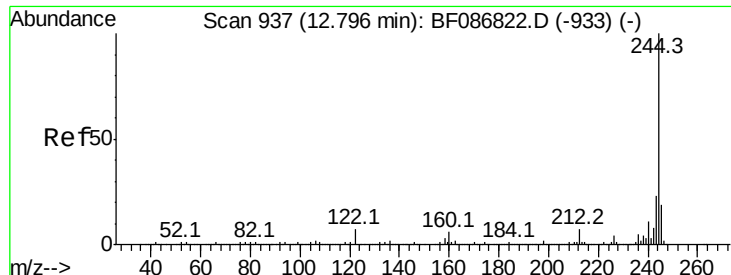
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#77
Pyrene
Concen: 41.77 ng
RT: 12.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	820200		
200	21.8		17.7	26.5
203	18.4		14.2	21.4





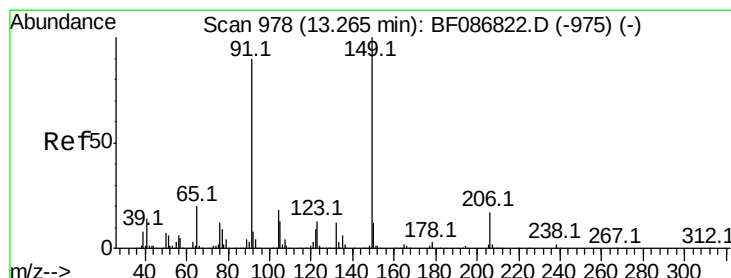
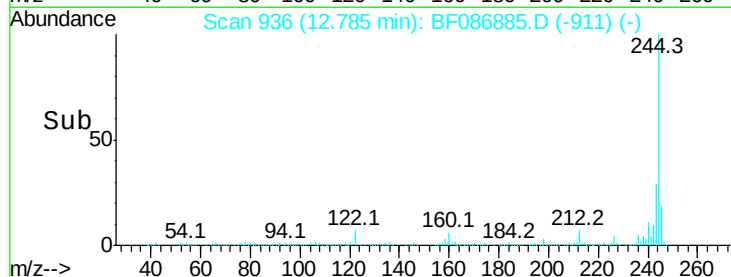
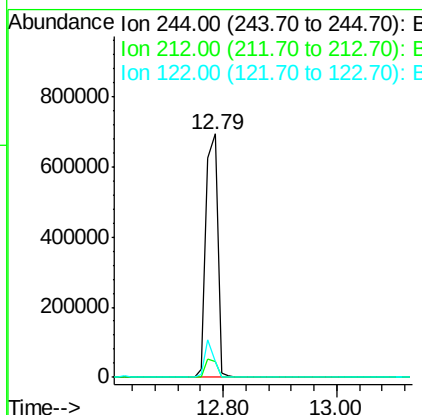
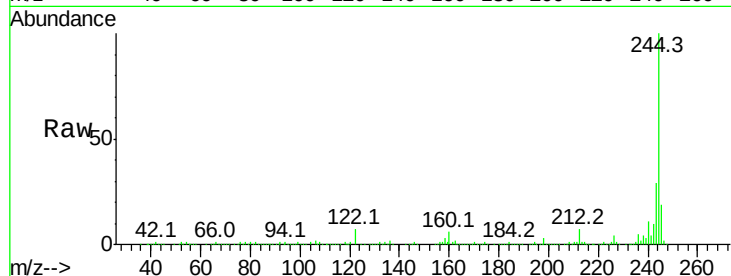
#78
 Terphenyl-d14
 Concen: 77.66 ng
 RT: 12.79 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	6.6	12.0	18.0#

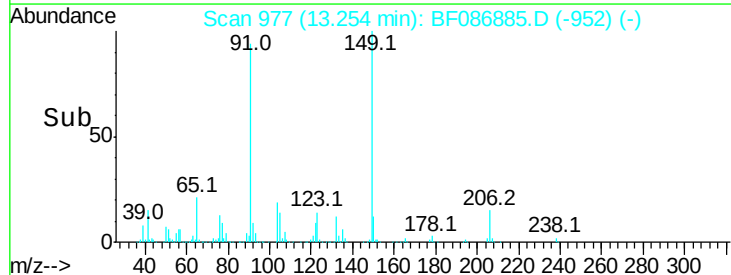
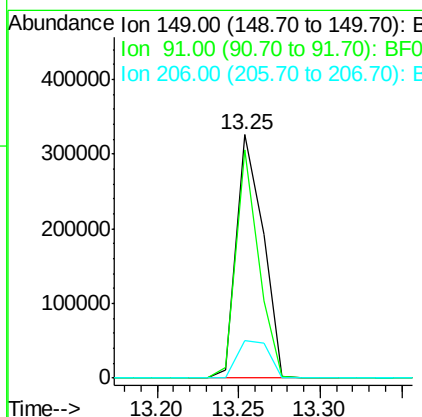
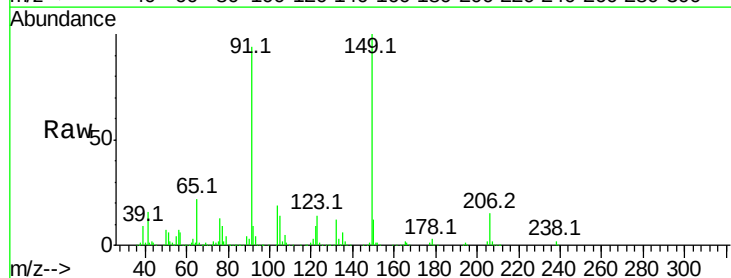
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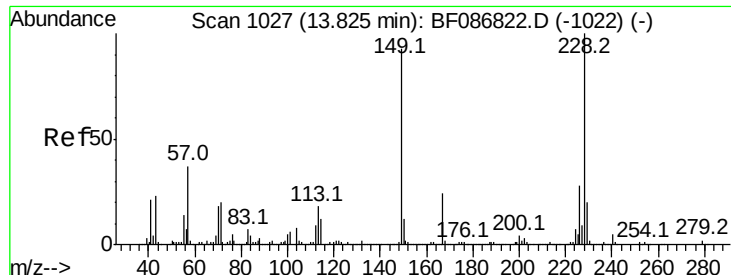
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#79
 Butylbenzylphthalate
 Concen: 43.98 ng
 RT: 13.25 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
149	100		
91	93.7	48.0	72.0#
206	15.4	15.8	23.6#





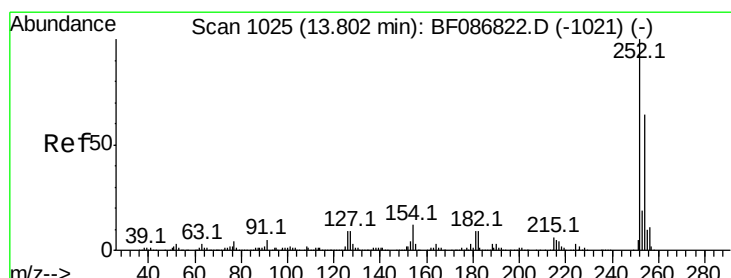
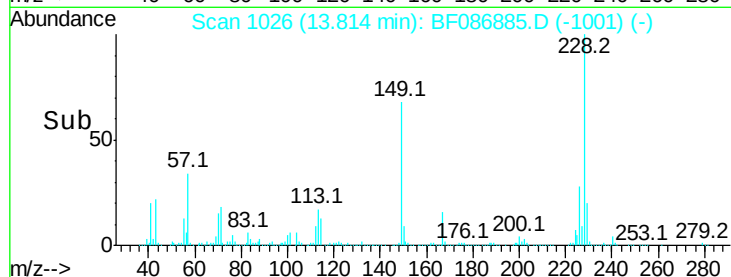
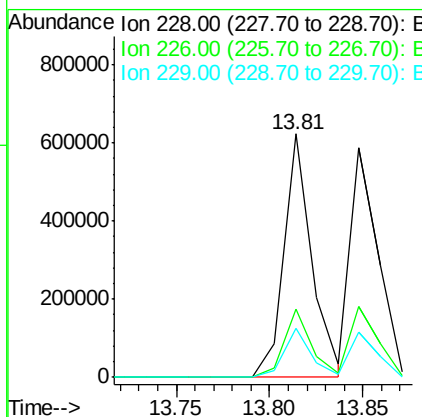
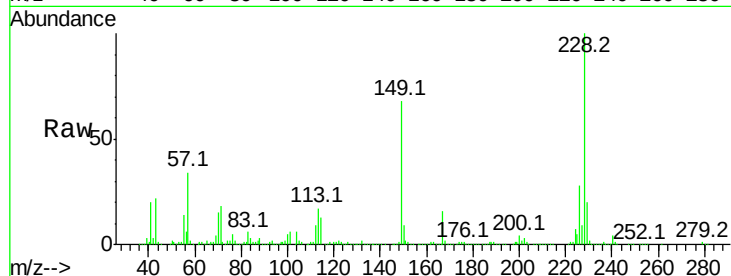
#80
Benzo(a)anthracene
Concen: 45.15 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.0	16.6	25.0

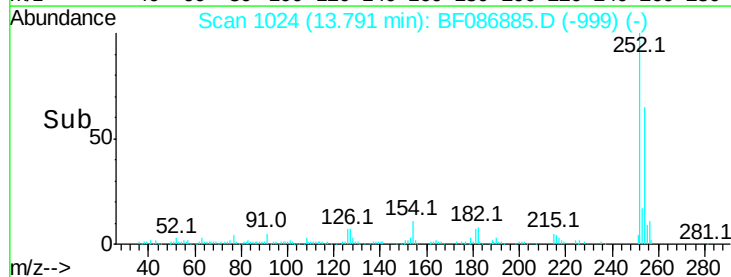
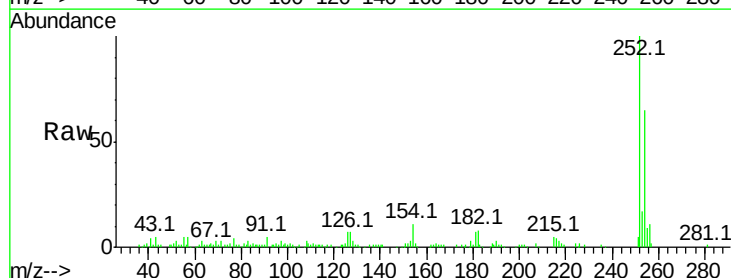
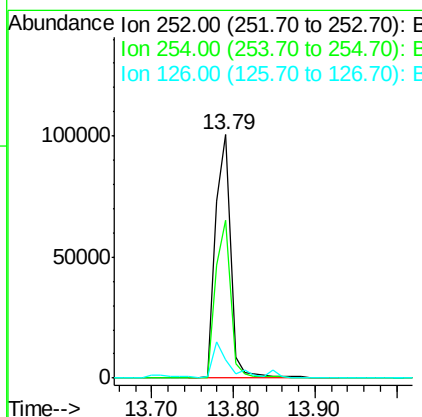
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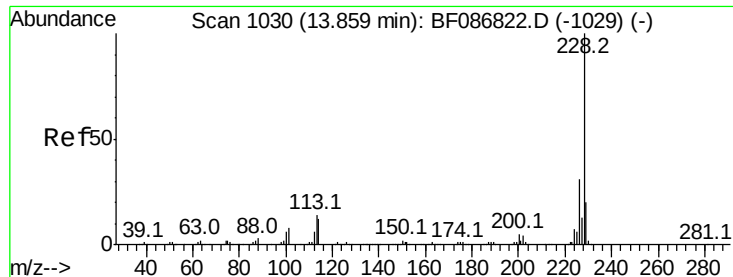
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#81
3,3'-Dichlorobenzidine
Concen: 14.37 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	65.0	50.7	76.1
126	7.4	12.7	19.1#





#82

Chrysene

Concen: 42.62 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

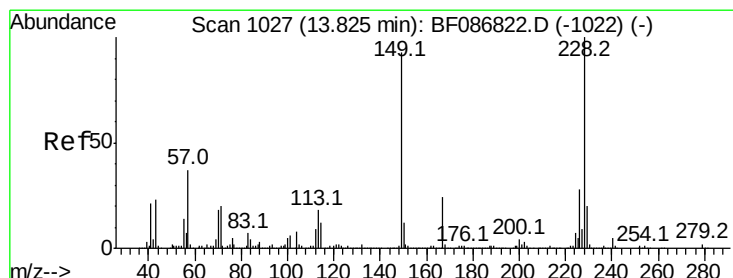
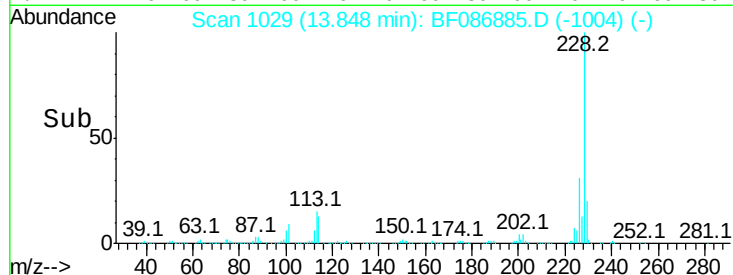
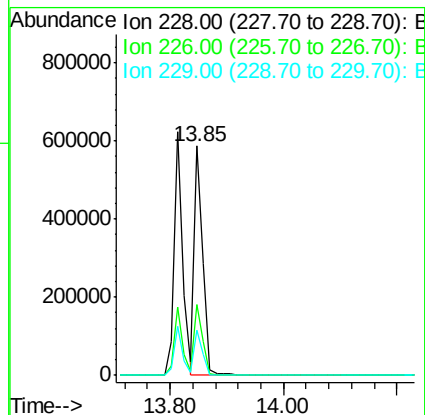
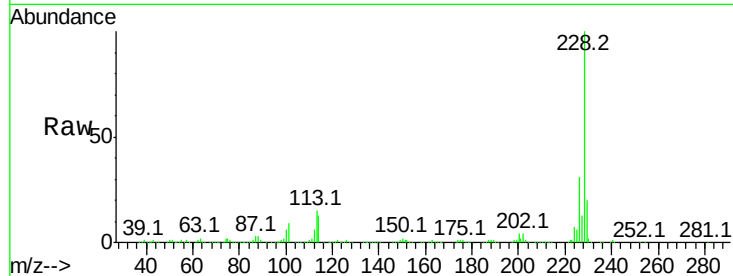
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:	228	Resp:	624160
Ion Ratio		Lower	Upper
228	100		
226	30.9	24.4	36.6
229	19.9	15.8	23.8

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#83

Bis(2-ethylhexyl)phthalate

Concen: 49.85 ng

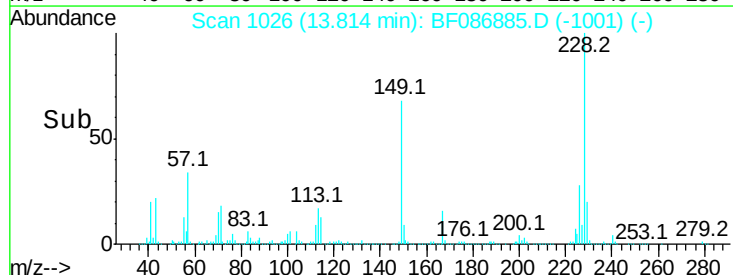
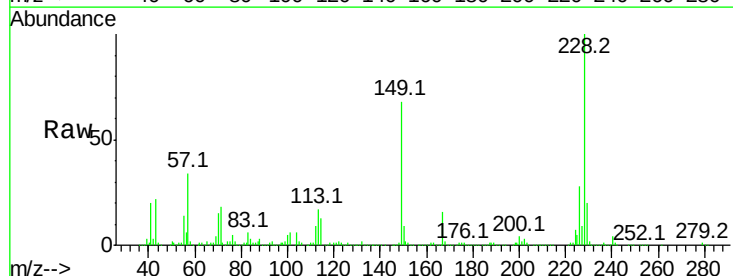
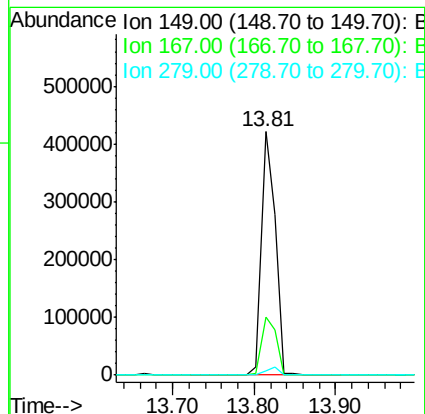
RT: 13.81 min Scan# 1026

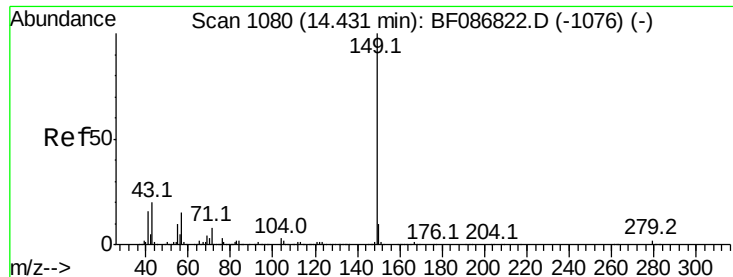
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	149	Resp:	498053
Ion Ratio		Lower	Upper
149	100		
167	24.1	21.8	32.6
279	1.9	2.6	4.0#





#84

Di-n-octyl phthalate

Concen: 55.95 ng

RT: 14.43 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

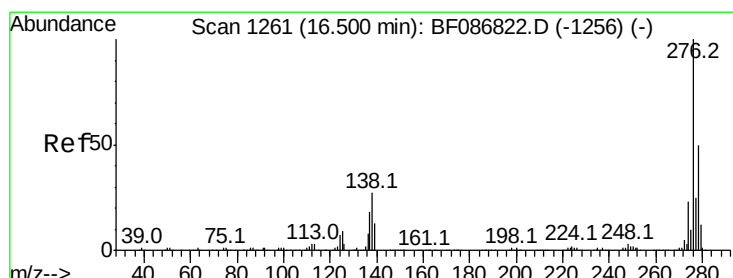
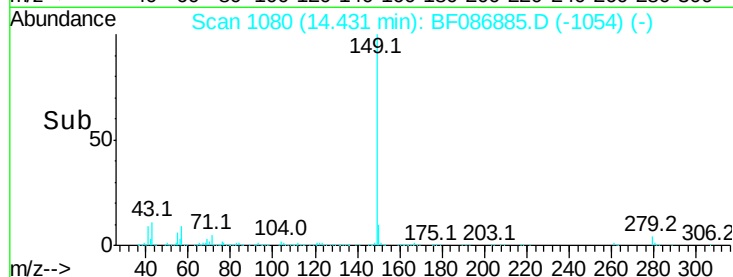
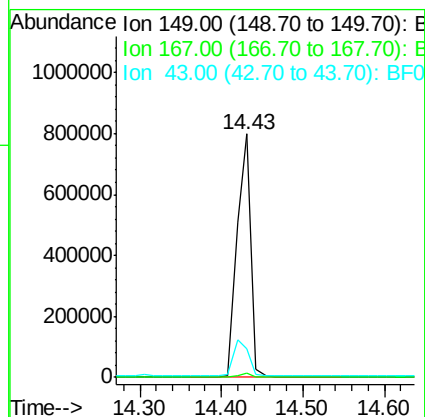
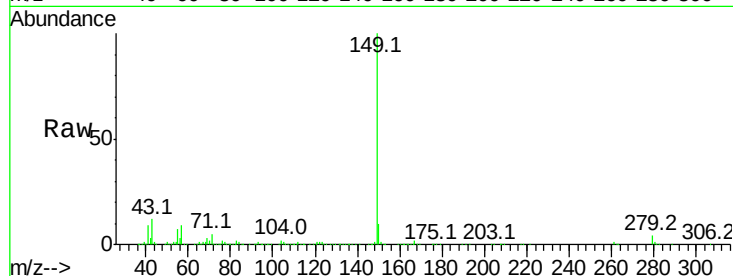
ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	925989		
167	1.6		1.2	1.8
43	16.6		8.2	12.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 48.65 ng

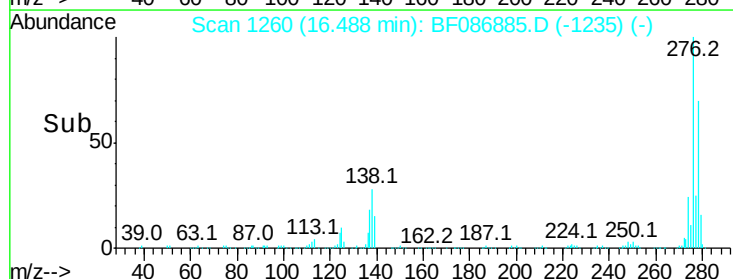
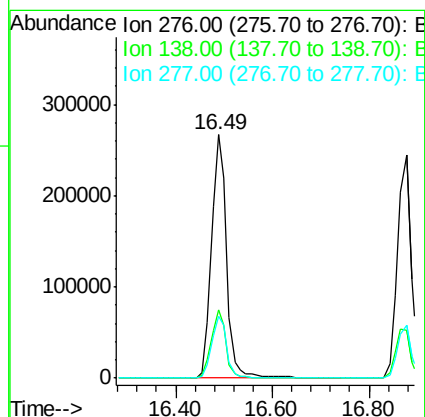
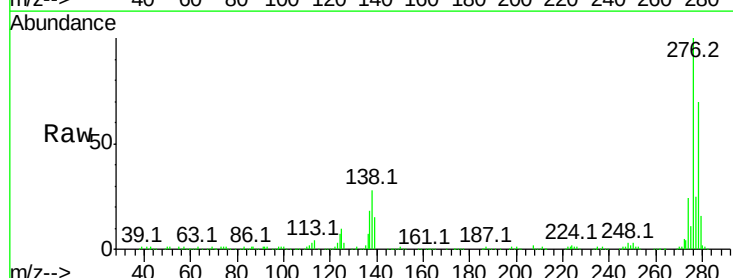
RT: 16.49 min Scan# 1260

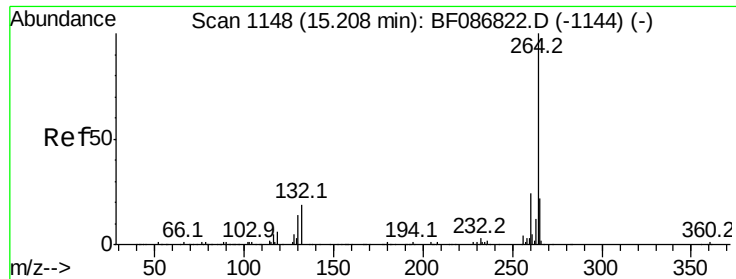
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	592857		
138	27.3		25.6	38.4
277	25.2		20.5	30.7





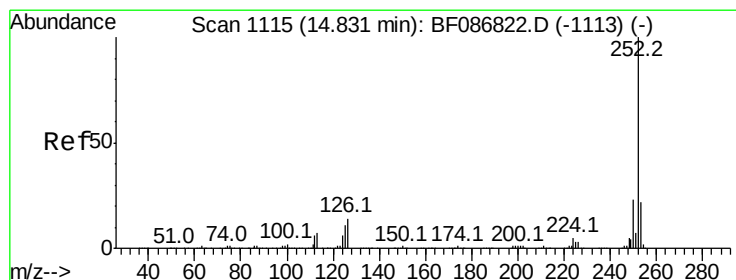
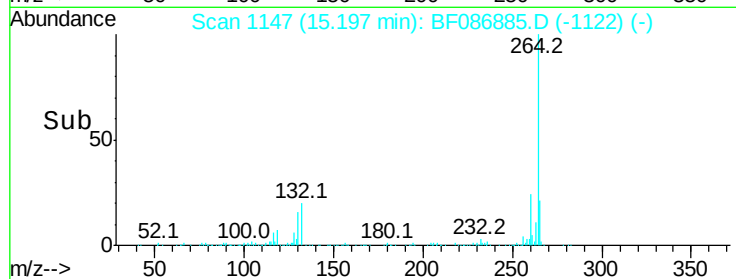
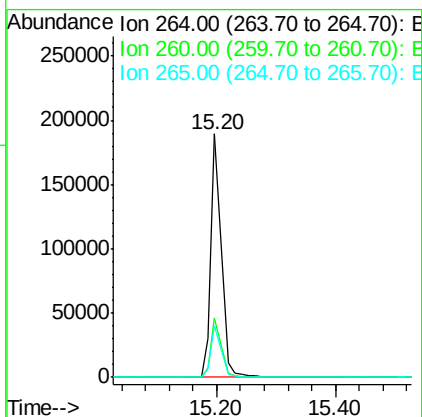
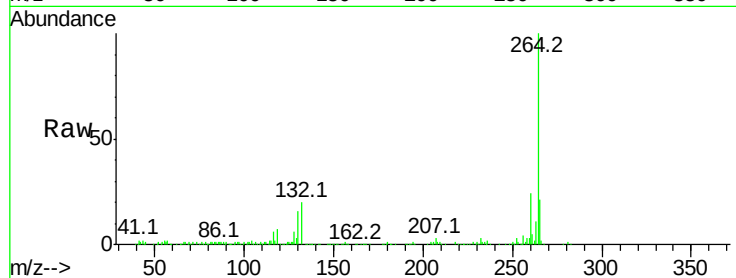
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp	Lower	Upper
264	100	230601		
260	24.4	19.5	29.3	
265	21.4	17.3	25.9	

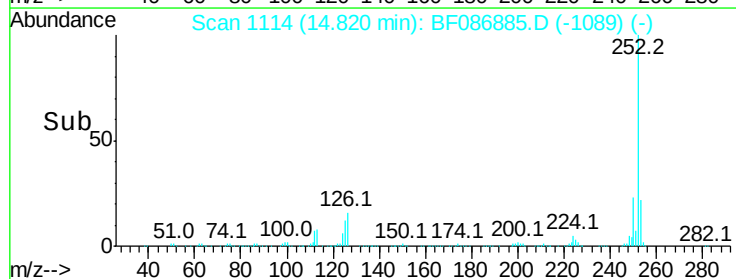
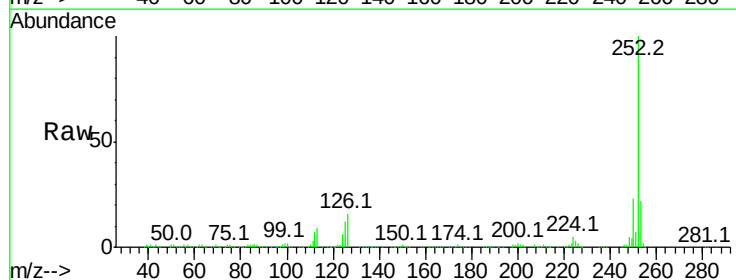
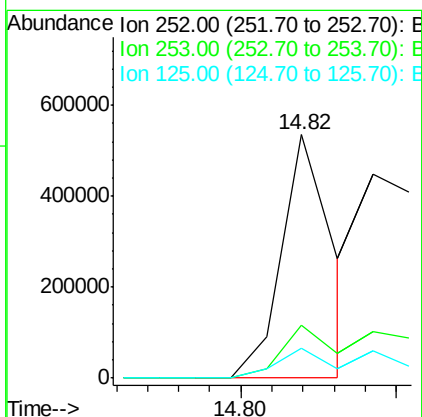
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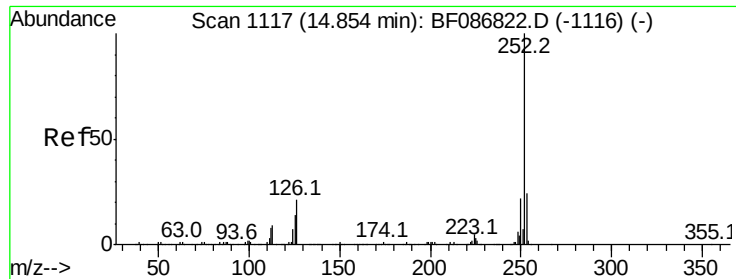
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#87
Benzo(b)fluoranthene
Concen: 40.66 ng m
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	609423		
253	21.9	17.8	26.6	
125	12.3	11.4	17.0	





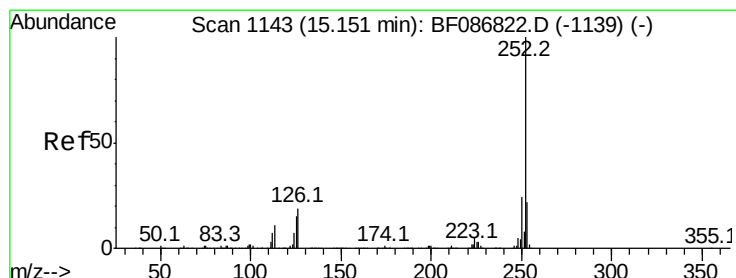
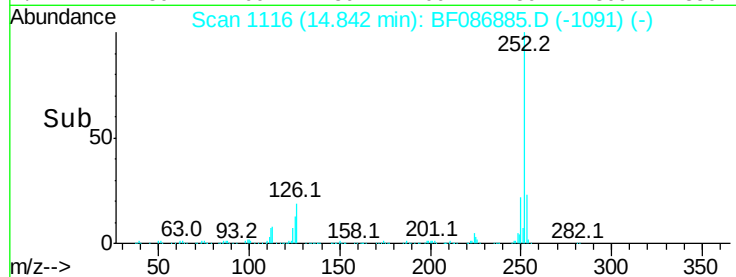
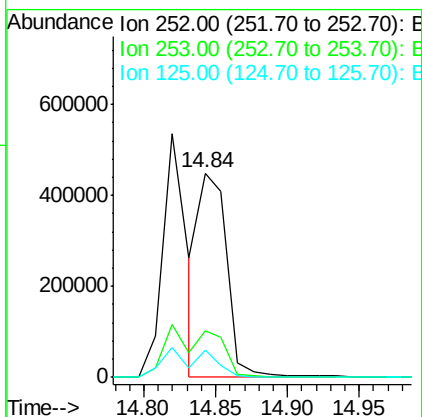
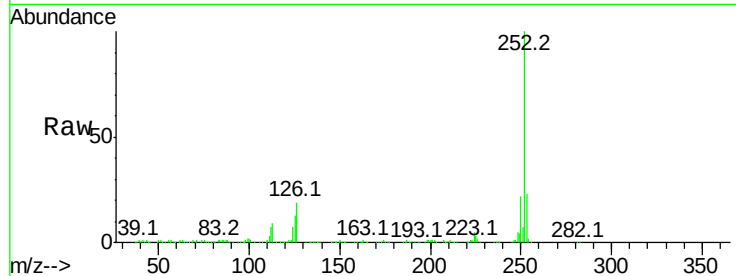
#88
Benzo(k)fluoranthene
Concen: 51.55 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	17.8	26.6
125	13.4	9.1	13.7

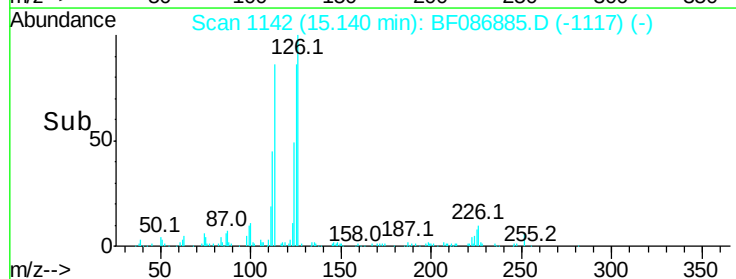
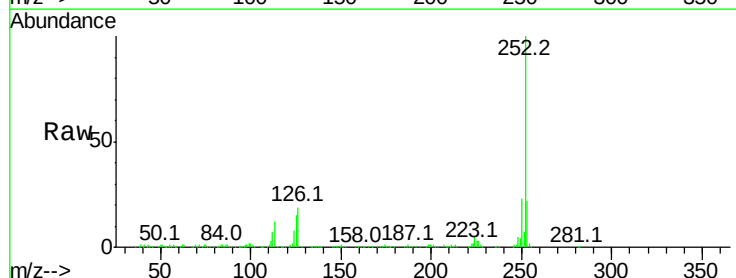
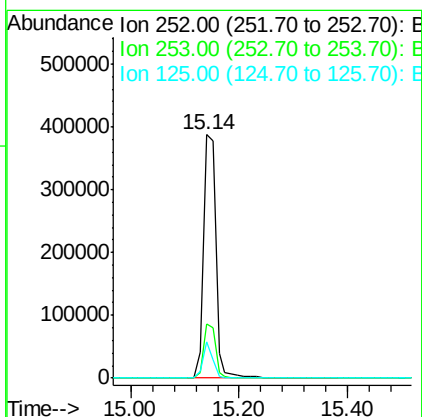
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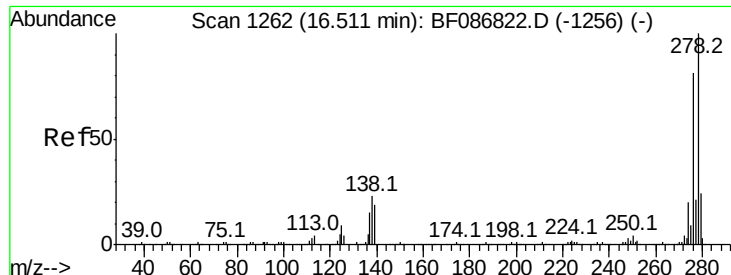
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#89
Benzo(a)pyrene
Concen: 46.42 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.2	25.8
125	14.9	9.0	13.6





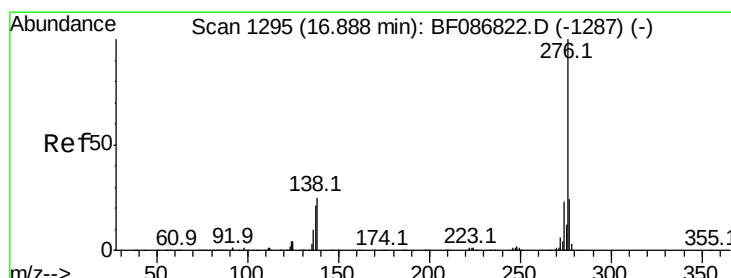
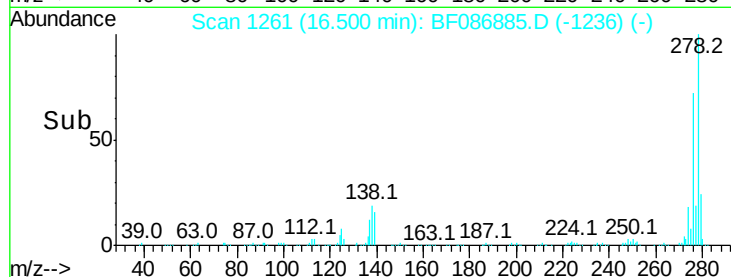
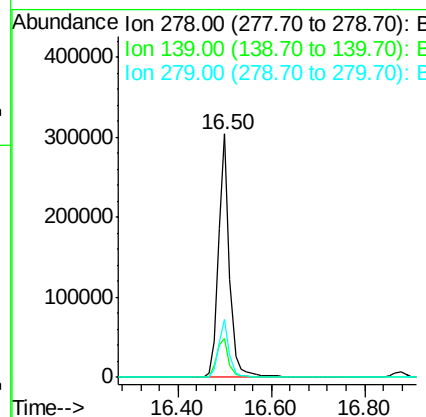
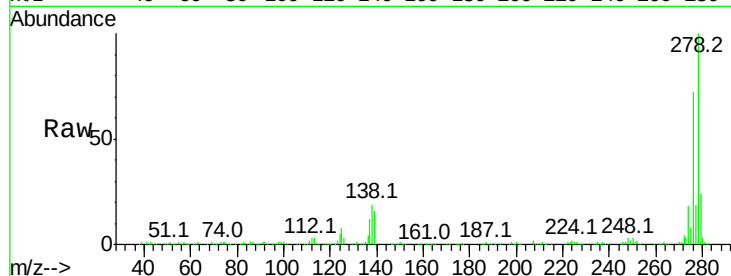
#90
 Dibenzo(a,h)anthracene
 Concen: 46.21 ng
 RT: 16.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	16.6	24.8#
279	24.1	19.6	29.4

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#91
 Benzo(g,h,i)perylene
 Concen: 44.61 ng
 RT: 16.88 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.6	29.4
138	21.4	23.6	35.4#

