

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
 Data File : BF107348.D
 Acq On : 12 Jul 2018 19:20
 Operator : JU/SJ
 Sample : J3918-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204-255-ETS

Quant Time: Jul 13 02:31:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	68979	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	237510	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	100825	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	184029	20.00	ng	0.00
75) Chrysene-d12	14.14	240	192609	20.00	ng	0.00
86) Perylene-d12	15.67	264	136410	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	512211	125.74	ng	0.01
7) Phenol-d6	6.58	99	630108	123.86	ng	0.00
23) Nitrobenzene-d5	7.50	82	393050	91.97	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	154722	132.40	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	636901	111.52	ng	0.00
78) Terphenyl-d14	13.07	244	710439	89.35	ng	0.00

Target Compounds

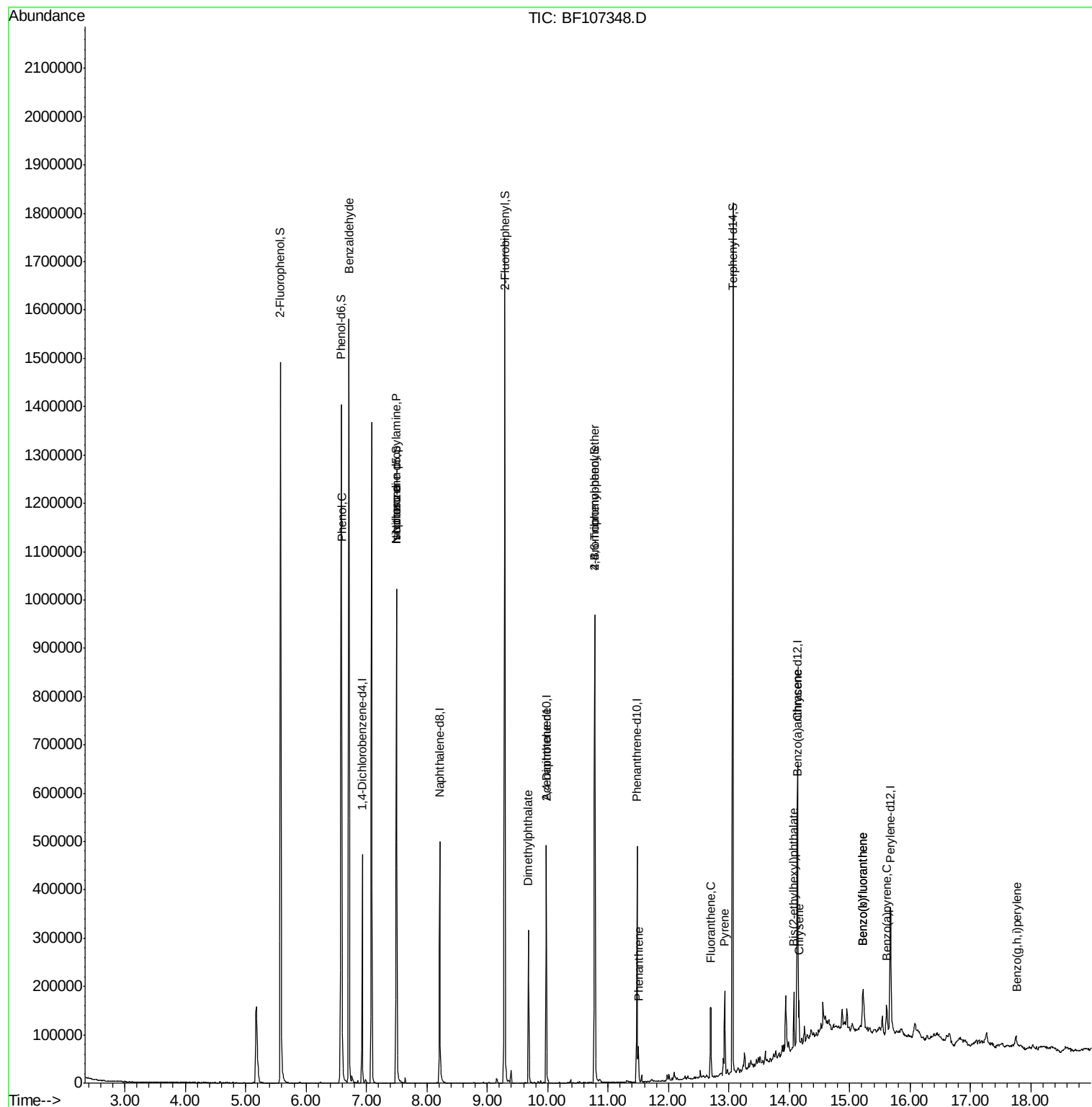
						Qvalue
9) Benzaldehyde	6.71	77	10243	2.391	ng	89
10) Phenol	6.60	94	37307	6.426	ng	99
19) n-Nitroso-di-n-propylamine	7.50	70	51239	15.280	ng	# 72
25) Isophorone	7.50	82	393050	52.191	ng	# 64
49) Dimethylphthalate	9.68	163	133452	17.648	ng	98
56) 2,4-Dinitrotoluene	9.98	165	12547	6.003	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	9200	4.189	ng	# 1
70) Phenanthrene	11.50	178	27439	3.091	ng	99
74) Fluoranthene	12.70	202	64534	6.596	ng	93
77) Pyrene	12.93	202	65483	5.156	ng	98
80) Benzo(a)anthracene	14.12	228	39028	3.325	ng	98
82) Chrysene	14.16	228	34295	3.176	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	34430	5.157	ng	# 94
87) Benzo(b)fluoranthene	15.21	252	51114	6.032	ng	94
88) Benzo(k)fluoranthene	15.21	252	51114	6.334	ng	97
89) Benzo(a)pyrene	15.61	252	26707	3.545	ng	96
91) Benzo(g,h,i)perylene	17.75	276	16113	2.582	ng	# 89

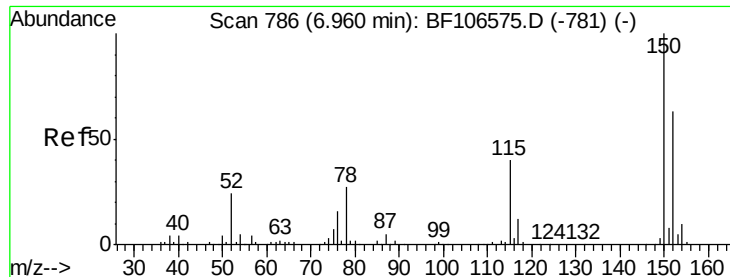
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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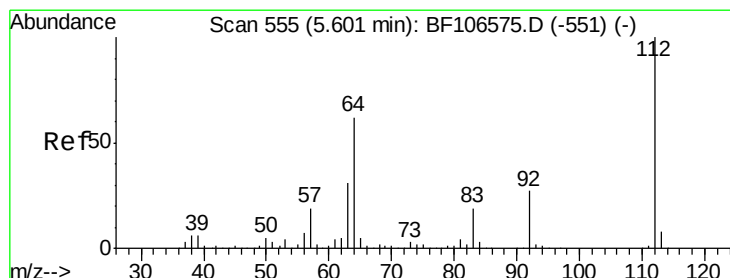
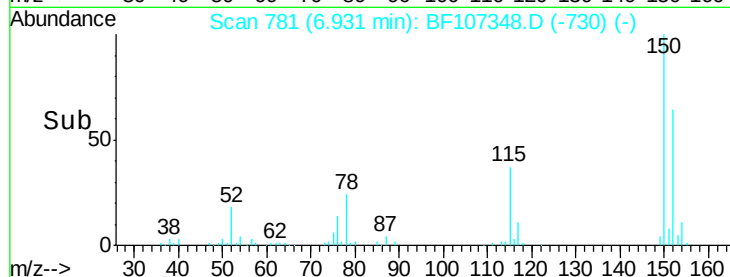
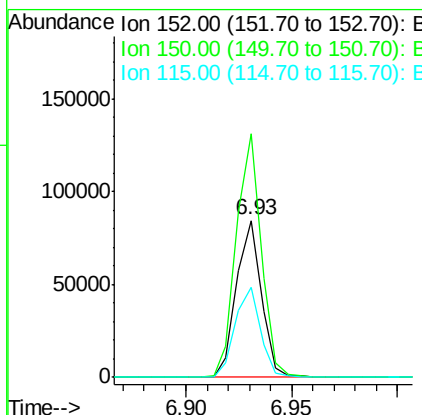
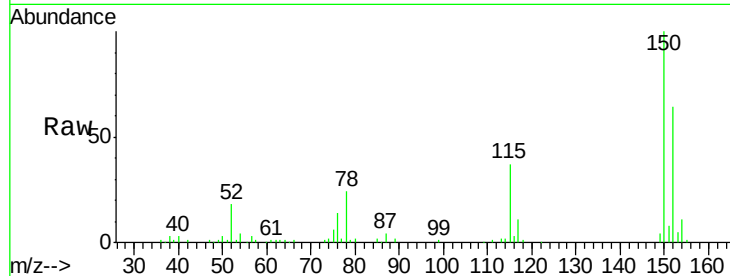


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Instrument :
BNA_F
ClientSampleId :
VNJ-204-255-ETS

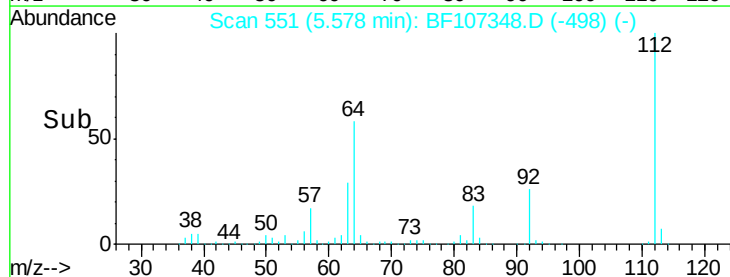
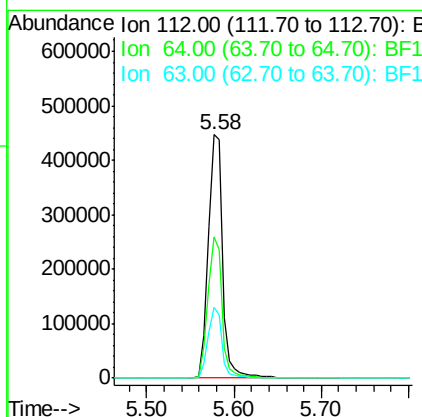
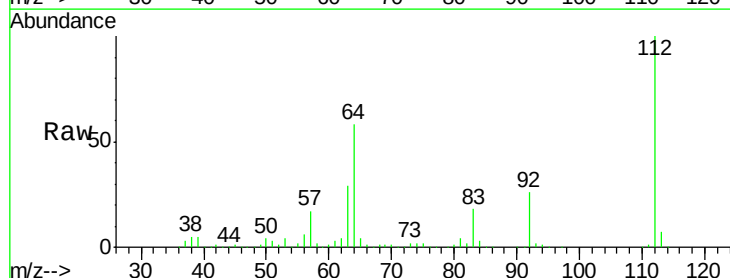
Tgt Ion:152 Resp: 68979
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 57.4 50.1 75.1

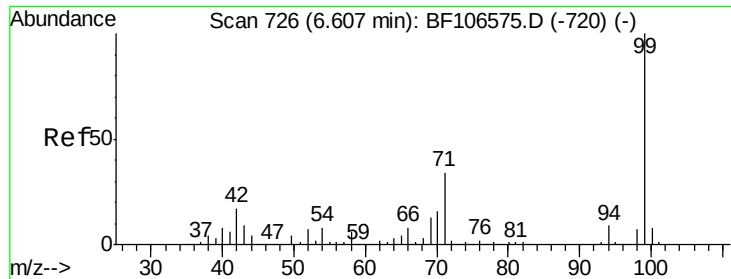


#5

2-Fluorophenol
Concen: 125.739 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Tgt Ion:112 Resp: 512211
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 28.9 23.7 35.5





#7

Phenol-d6

Concen: 123.863 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS

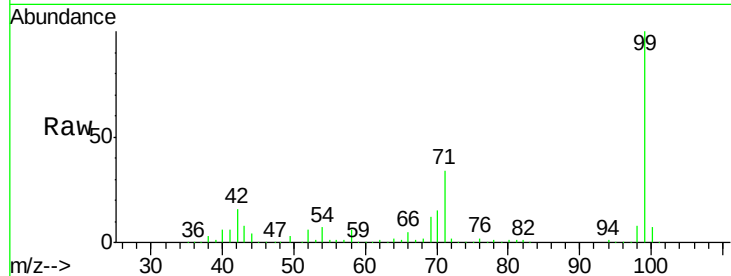
Tgt Ion: 99 Resp: 630108

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

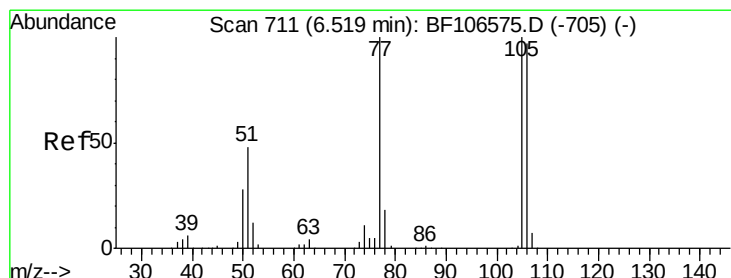
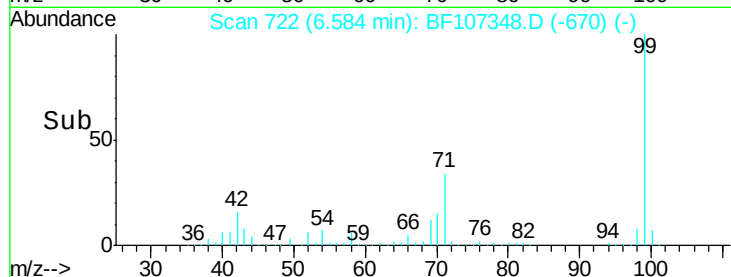
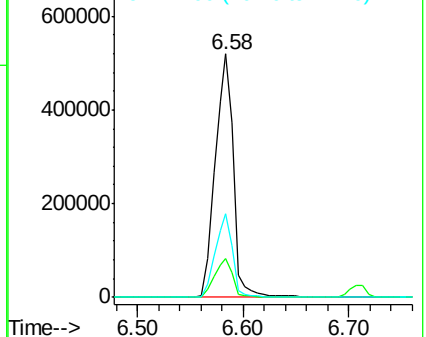
71 34.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.391 ng

RT: 6.71 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

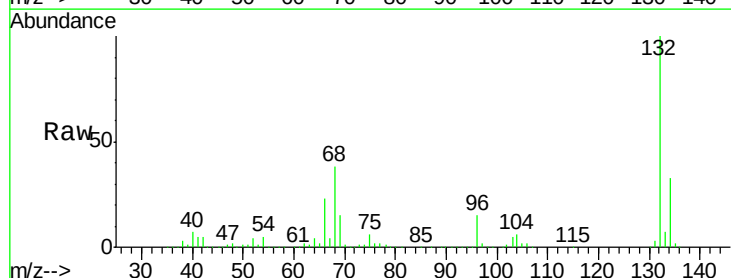
Tgt Ion: 77 Resp: 10243

Ion Ratio Lower Upper

77 100

105 90.5 81.1 121.1

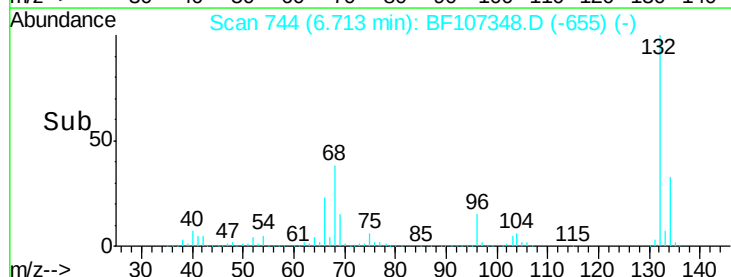
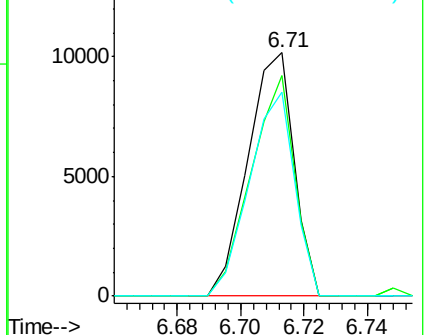
106 83.6 74.5 114.5

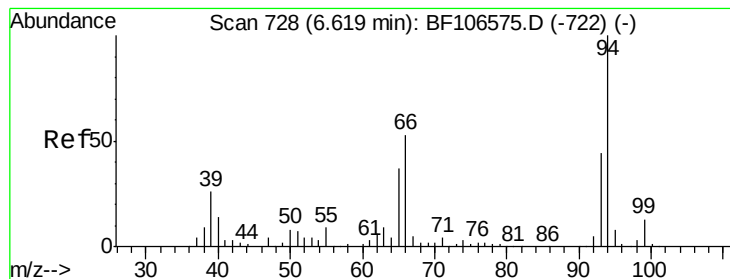


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 6.426 ng

RT: 6.60 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS

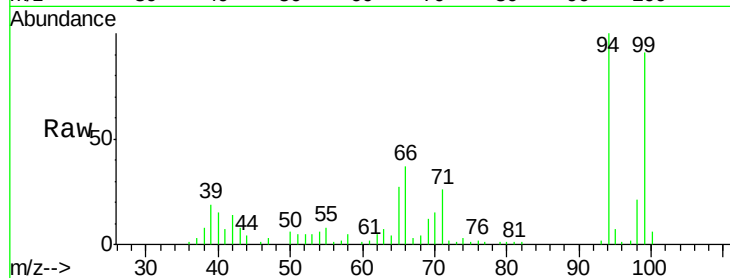
Tgt Ion: 94 Resp: 37307

Ion Ratio Lower Upper

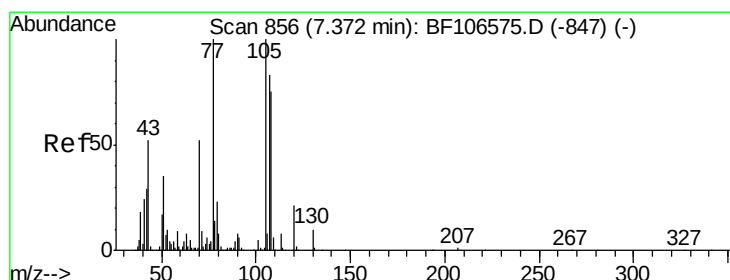
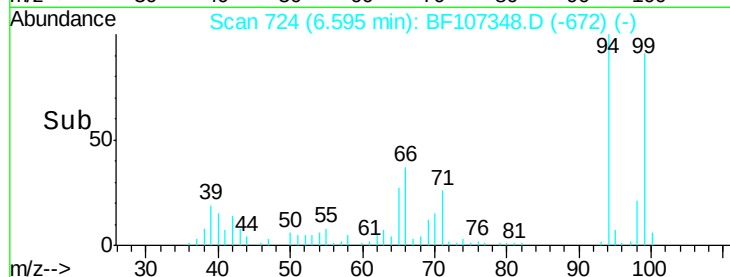
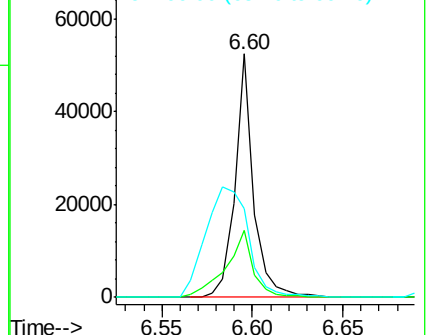
94 100

65 27.4 7.9 47.9

66 36.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 15.280 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.16 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Tgt Ion: 70 Resp: 51239

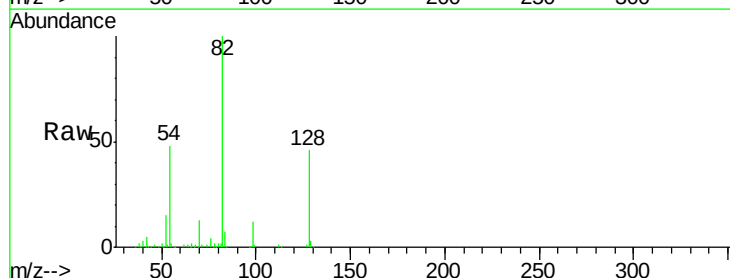
Ion Ratio Lower Upper

70 100

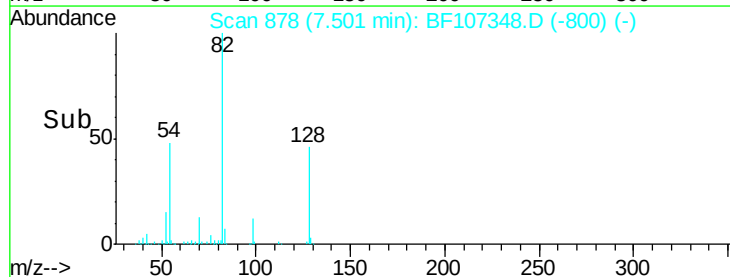
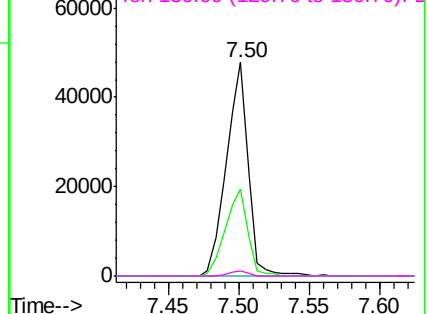
42 41.0 47.5 71.3#

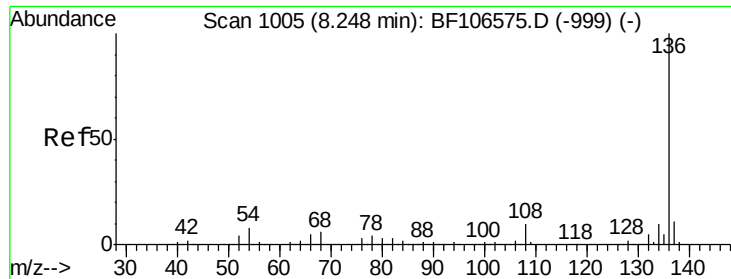
101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

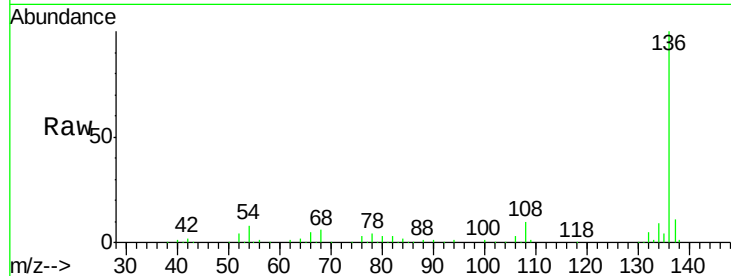




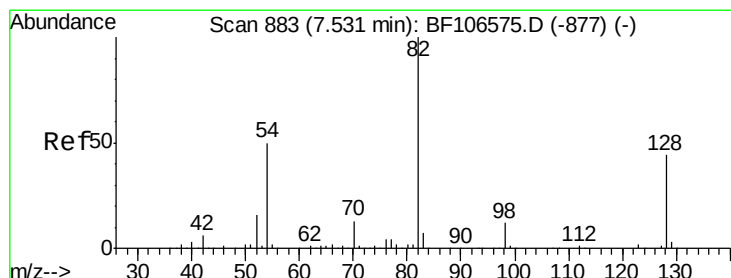
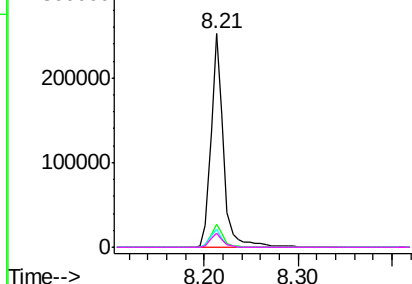
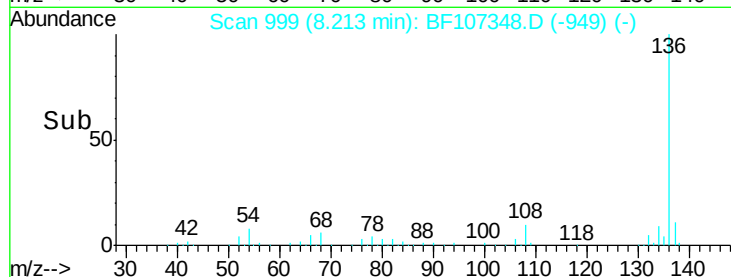
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Instrument :
BNA_F
ClientSampleId :
VNJ-204-255-ETS

Tgt Ion:	136	Resp:	237510
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.3	6.6	9.8
68	6.5	5.0	7.4

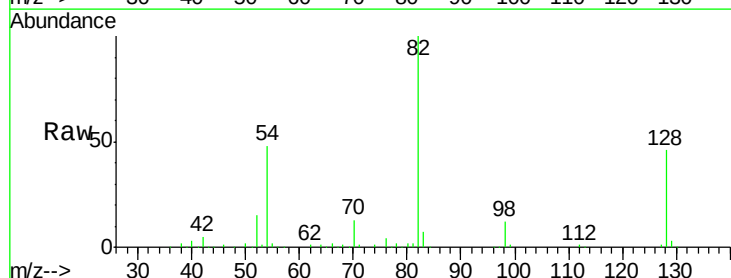


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

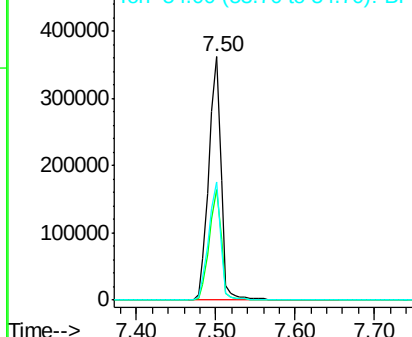
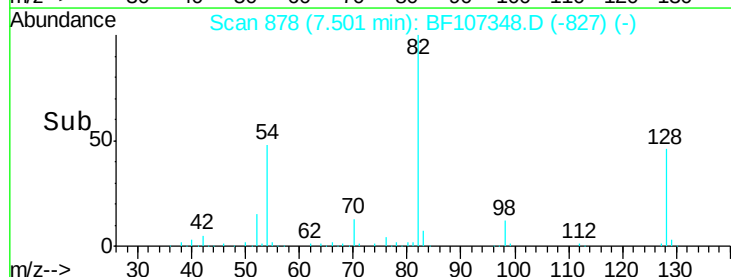


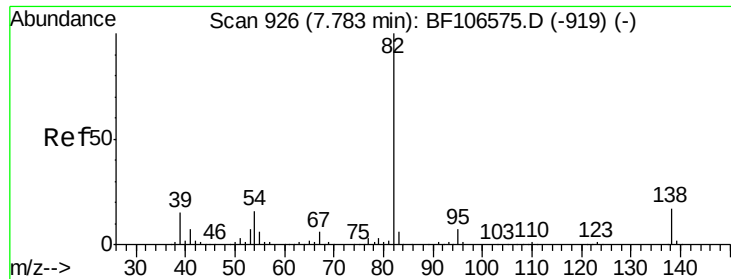
#23
Nitrobenzene-d5
Concen: 91.967 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Tgt Ion:	82	Resp:	393050
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	48.4	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

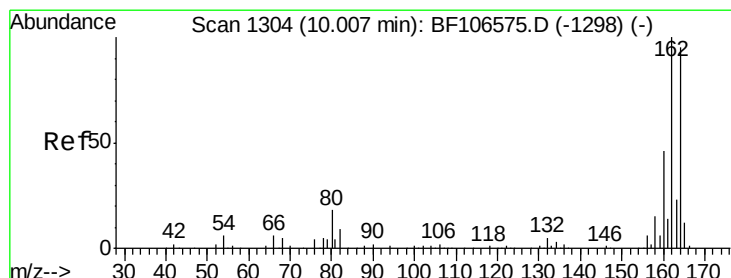
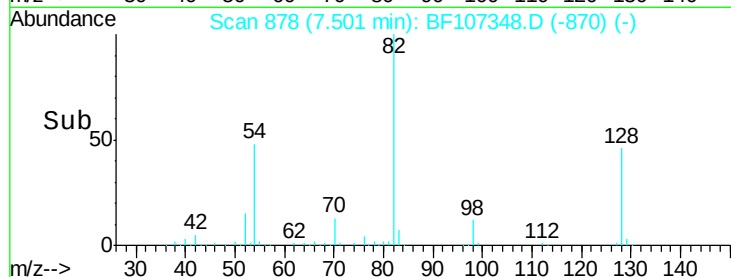
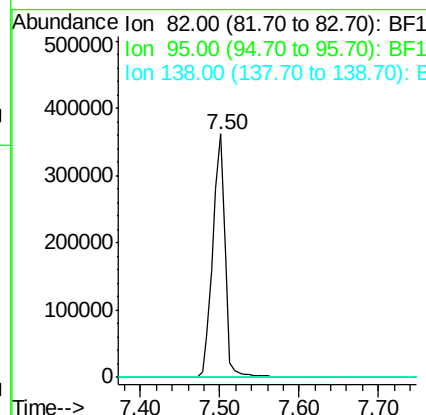
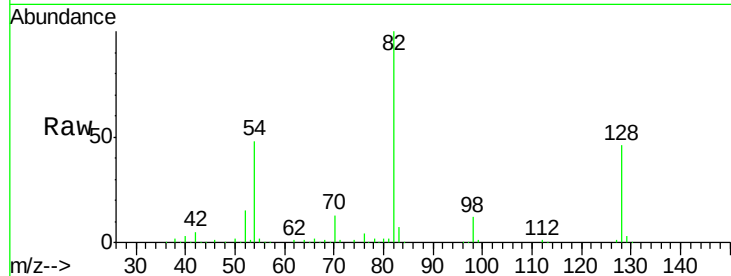




#25
Isophorone
Concen: 52.191 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.25 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

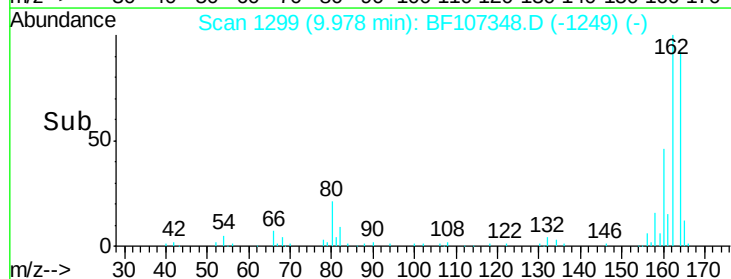
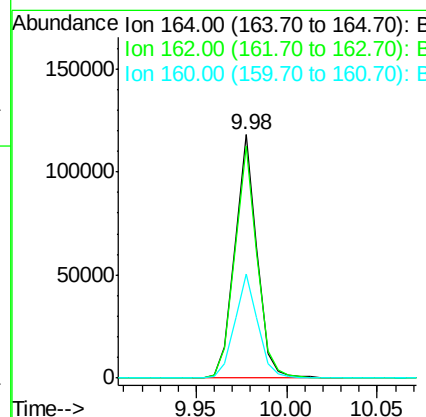
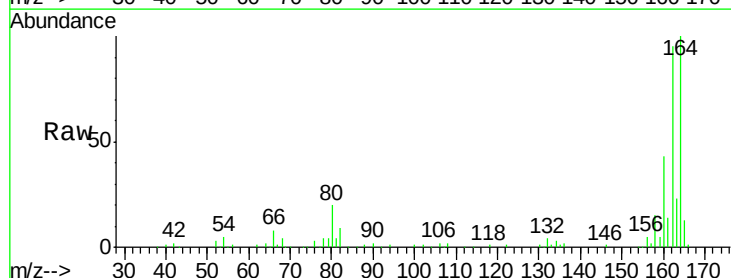
Instrument :
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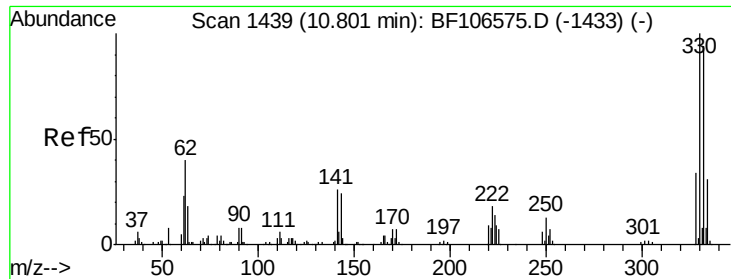
Tgt Ion: 82 Resp: 393050
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Tgt Ion: 164 Resp: 100825
Ion Ratio Lower Upper
164 100
162 95.1 86.1 129.1
160 42.9 38.3 57.5

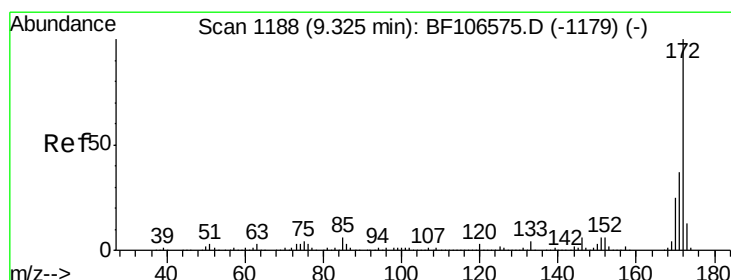
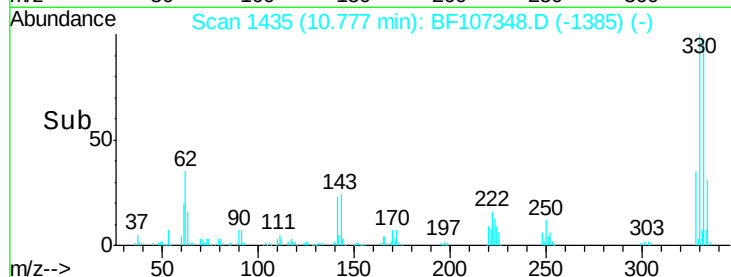
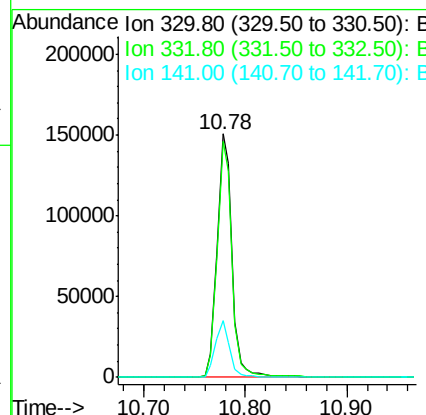
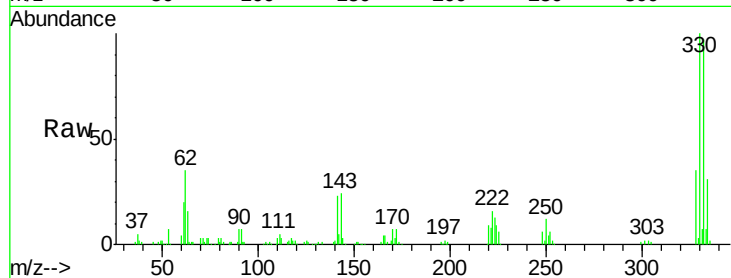




#41
 2,4,6-Tribromophenol
 Concen: 132.401 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107348.D
 Acq: 12 Jul 2018 19:20

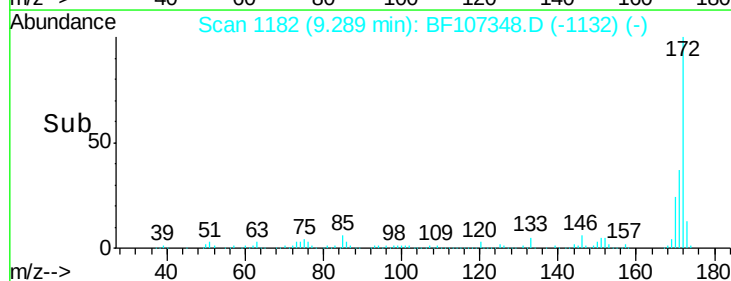
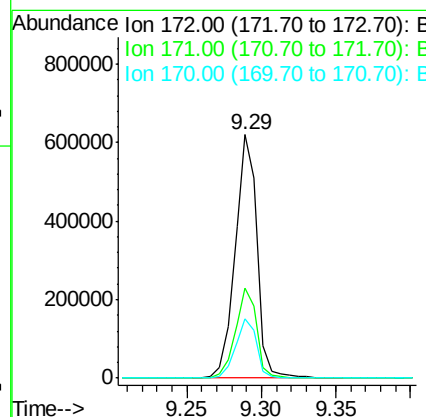
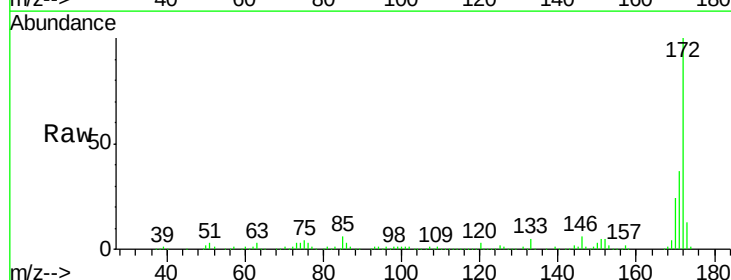
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 VNJ-204-255-ETS

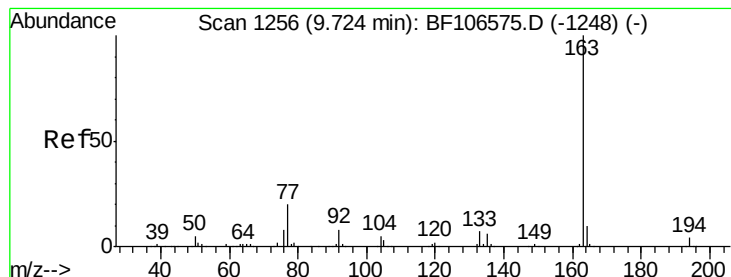
Tgt Ion:330 Resp: 154722
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 22.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 111.525 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107348.D
 Acq: 12 Jul 2018 19:20

Tgt Ion:172 Resp: 636901
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.4 19.6 29.4





#49

Dimethylphthalate

Concen: 17.648 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS

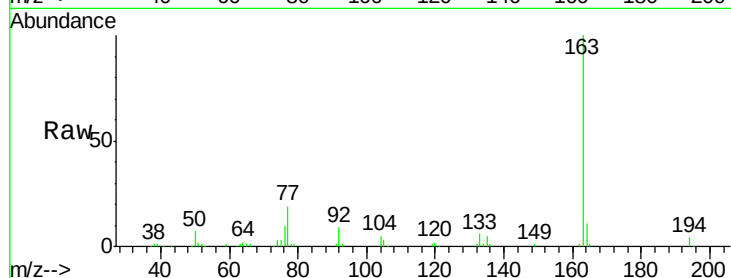
Tgt Ion:163 Resp: 133452

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

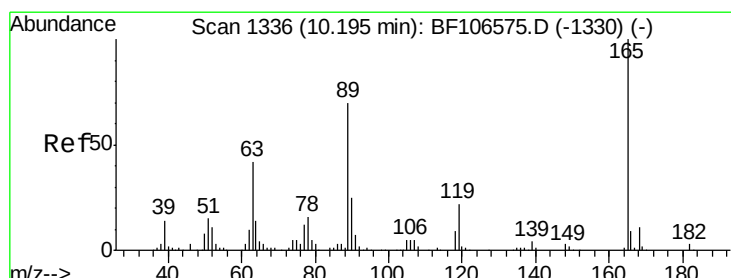
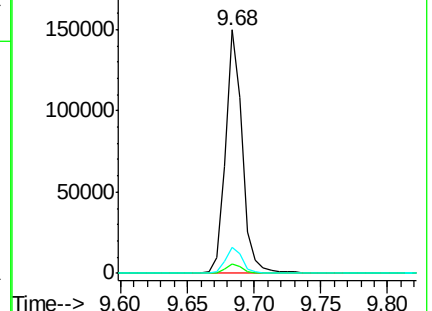
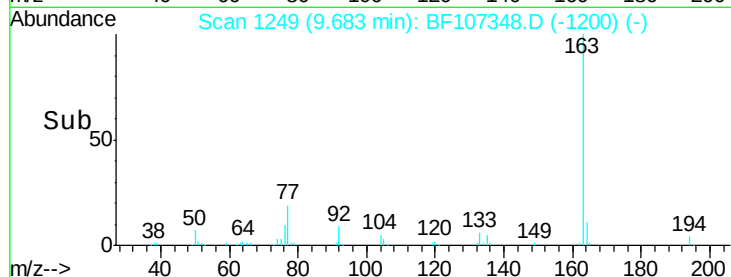
164 10.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.003 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Tgt Ion:165 Resp: 12547

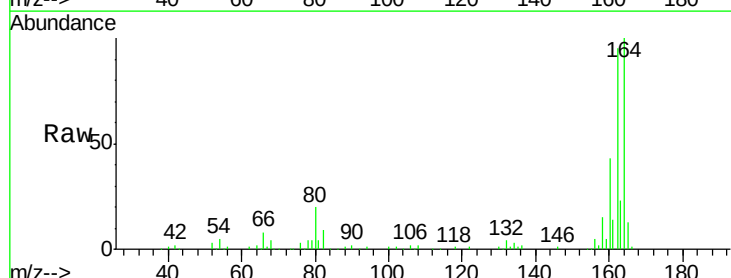
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

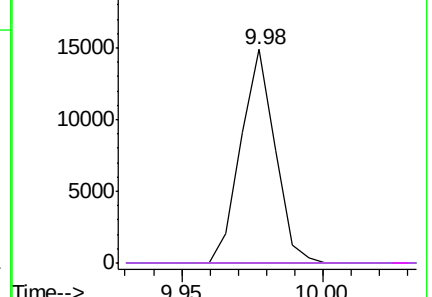
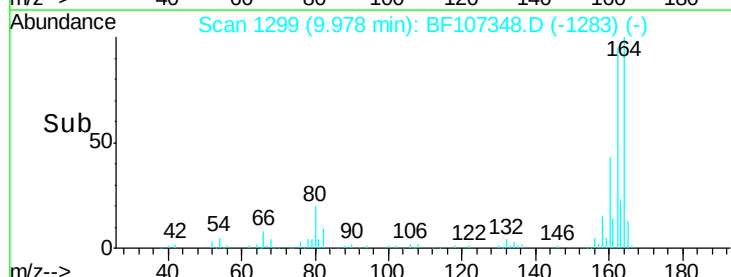


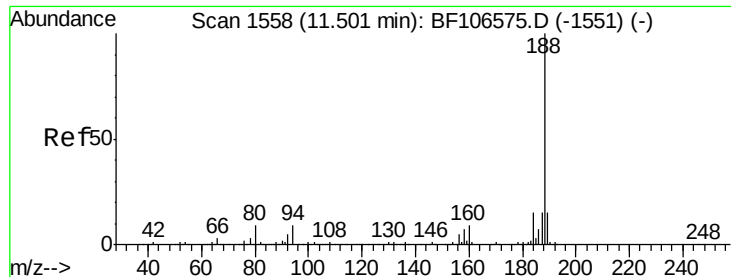
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

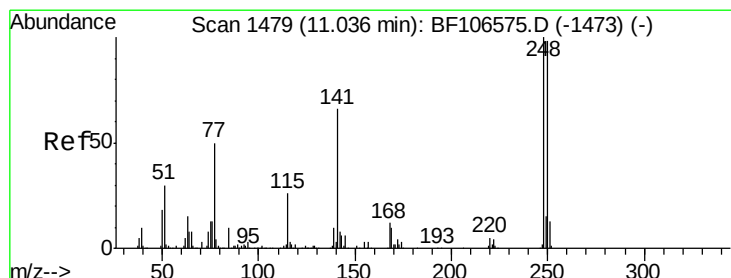
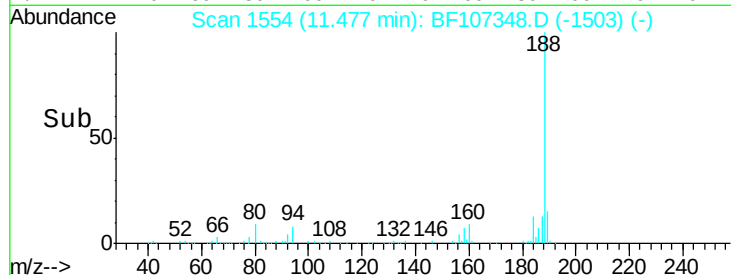
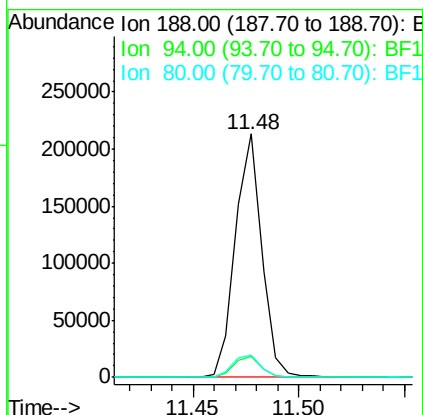
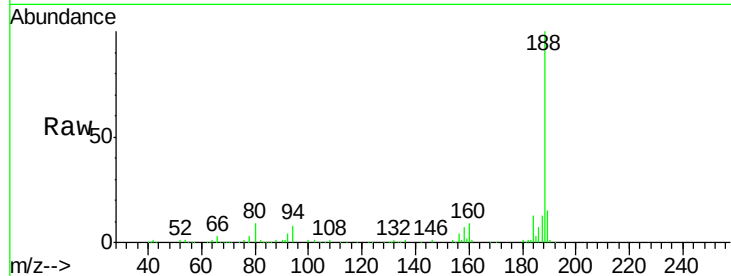




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

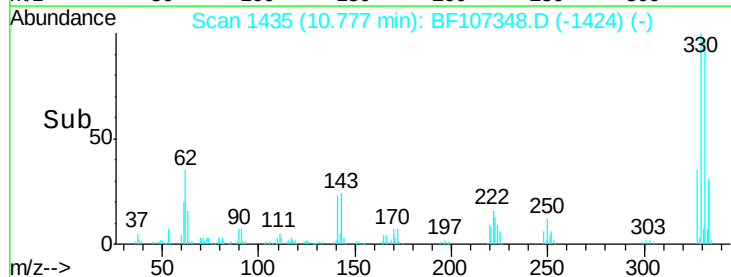
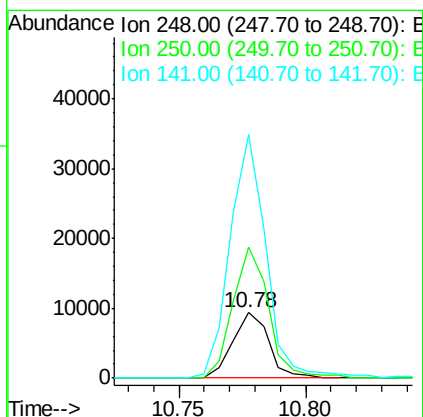
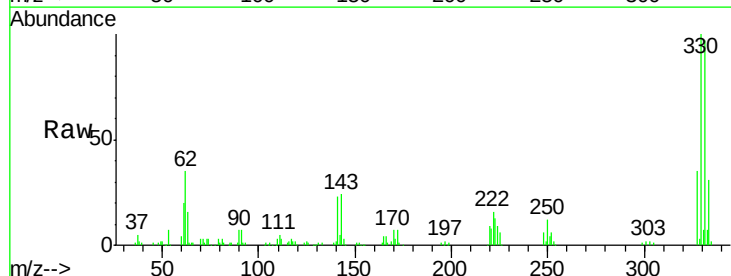
Instrument :
BNA_F
ClientSampleId :
VNJ-204-255-ETS

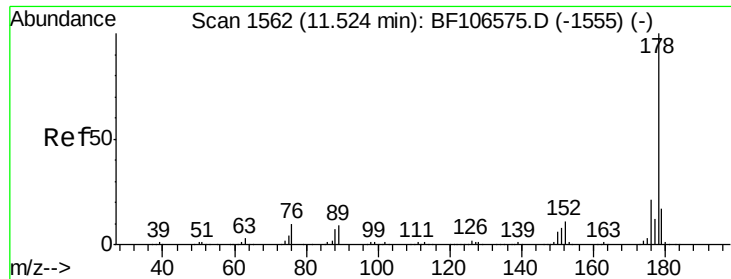
Tgt Ion:188 Resp: 184029
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.189 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.24 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Tgt Ion:248 Resp: 9200
Ion Ratio Lower Upper
248 100
250 200.3 76.9 115.3#
141 372.6 74.4 111.6#





#70

Phenanthrene

Concen: 3.091 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS

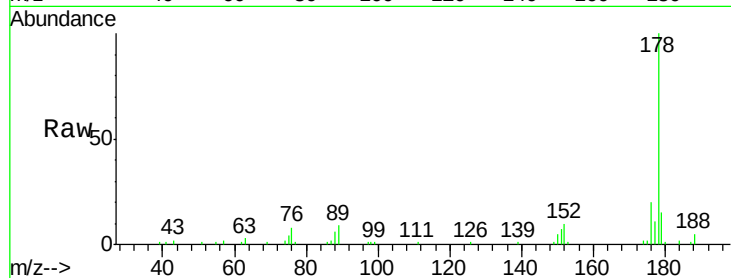
Tgt Ion:178 Resp: 27439

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

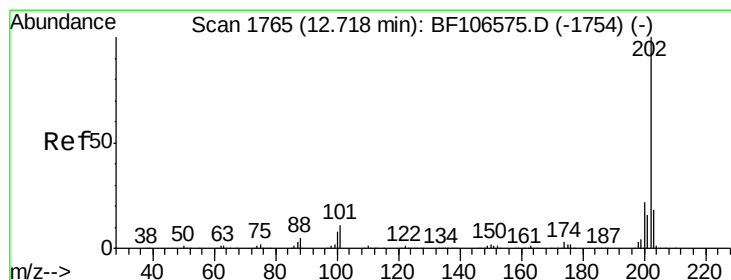
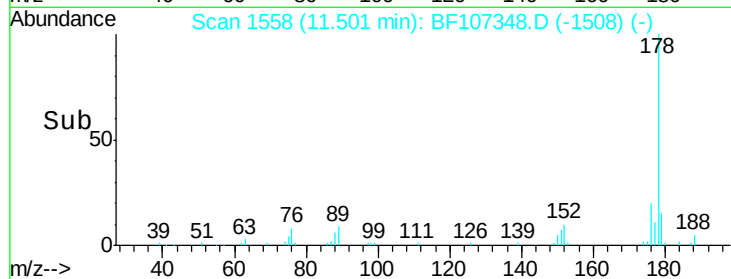
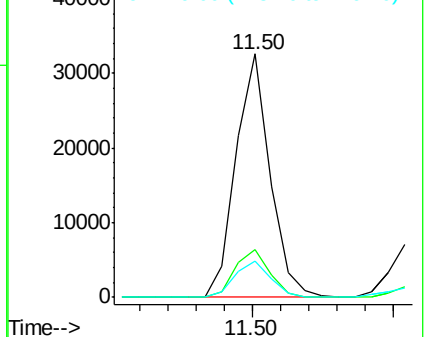
179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.596 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

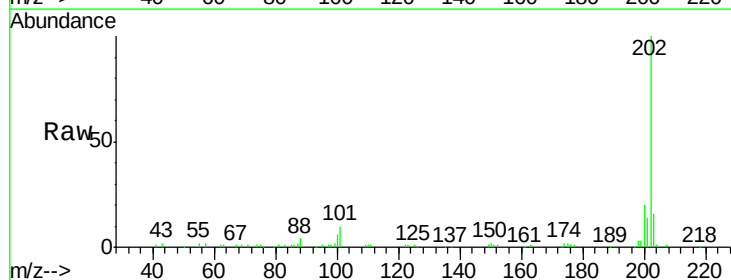
Tgt Ion:202 Resp: 64534

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

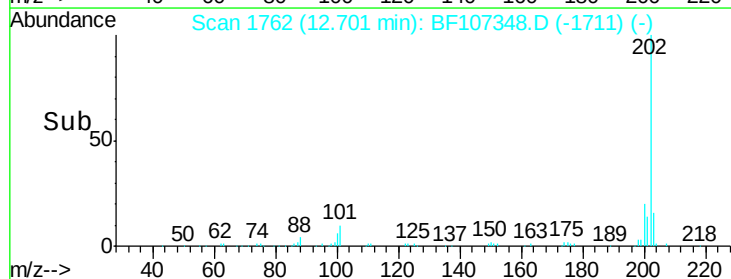
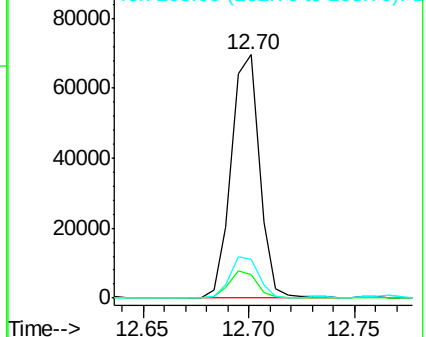
203 16.1 0.0 38.1

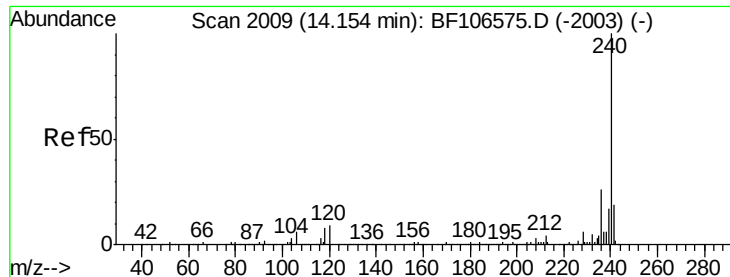


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS

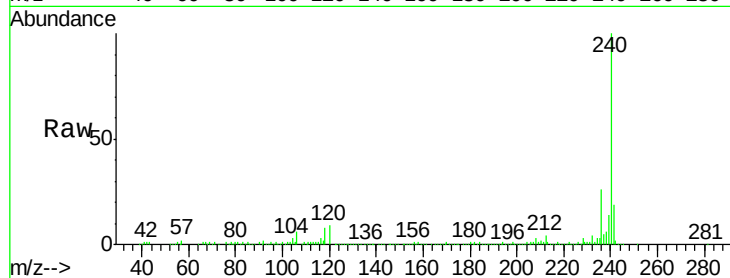
Tgt Ion:240 Resp: 192609

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

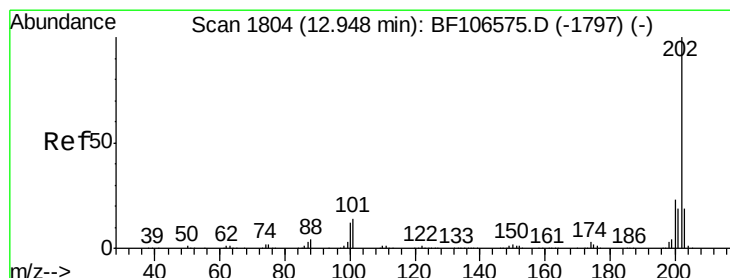
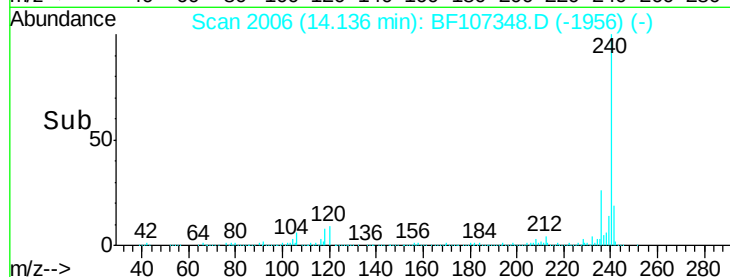
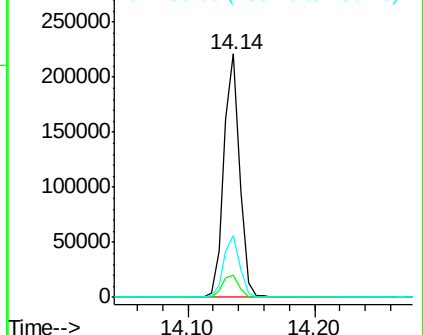
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.156 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

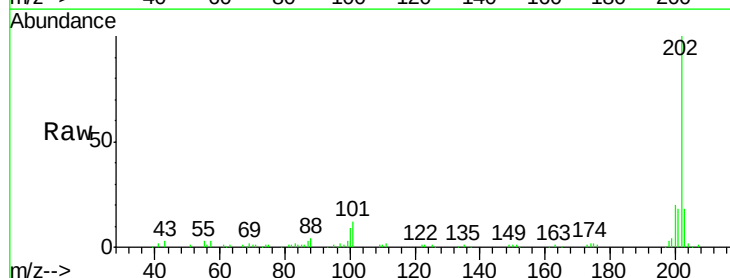
Tgt Ion:202 Resp: 65483

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

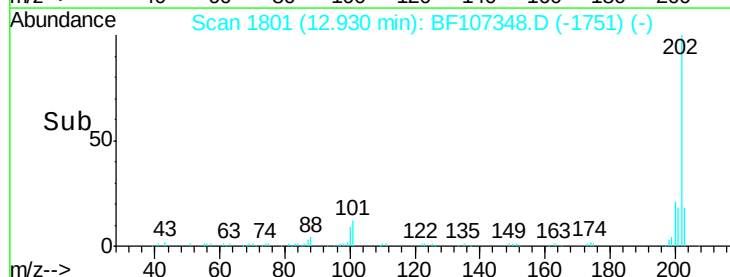
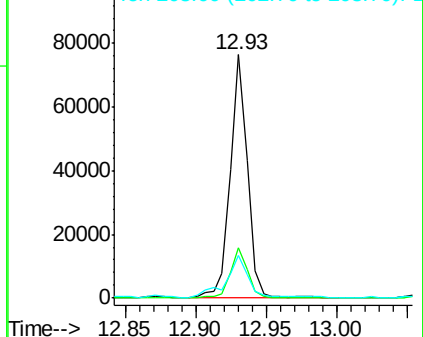
203 17.6 14.3 21.5

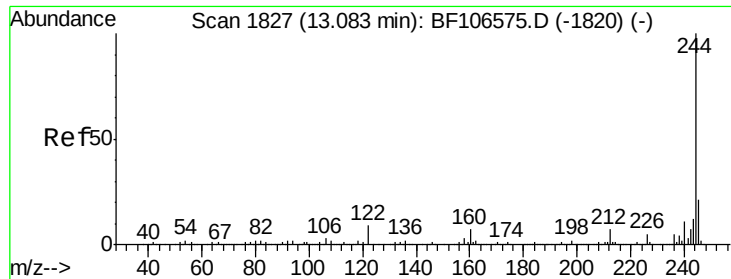


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

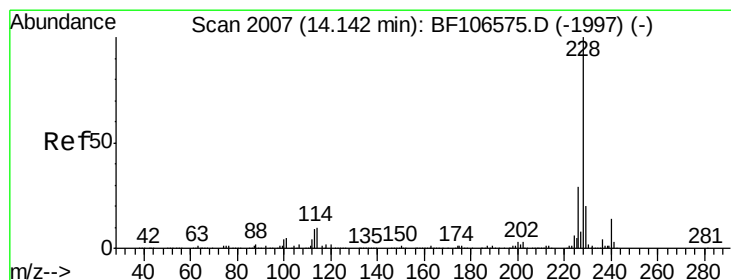
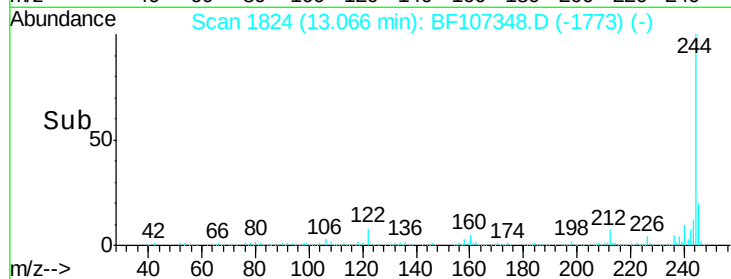
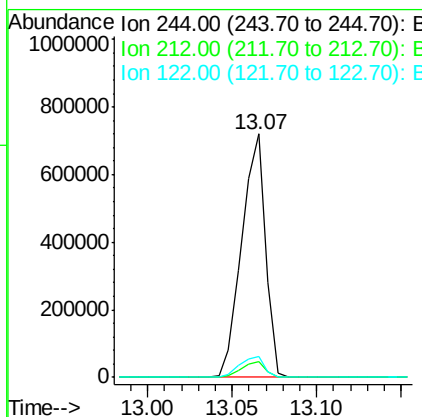
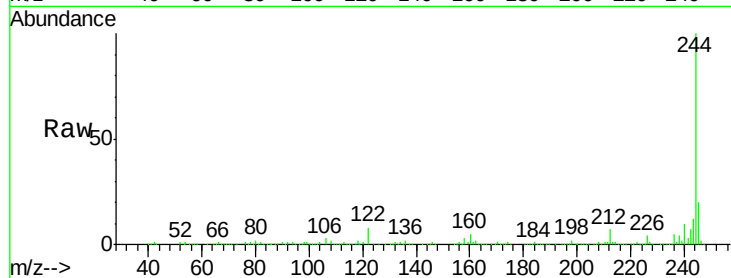




#78
 Terphenyl-d14
 Concen: 89.347 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF107348.D
 Acq: 12 Jul 2018 19:20

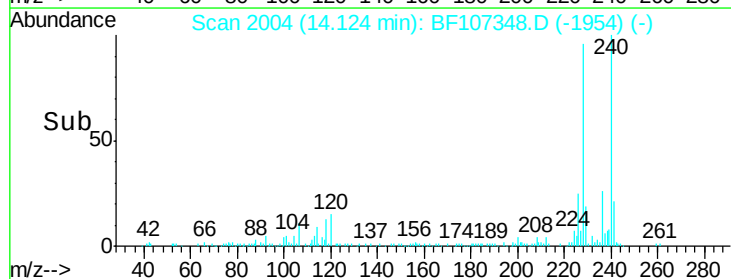
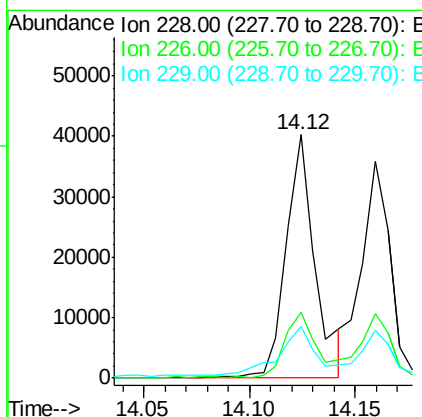
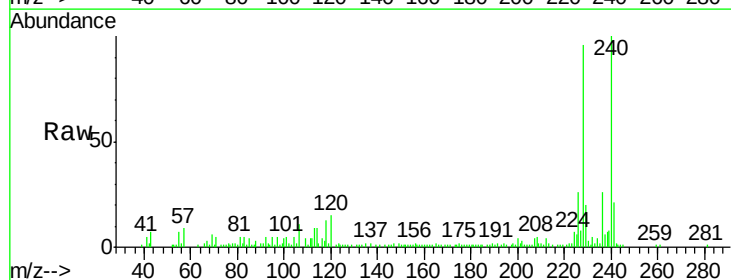
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204-255-ETS

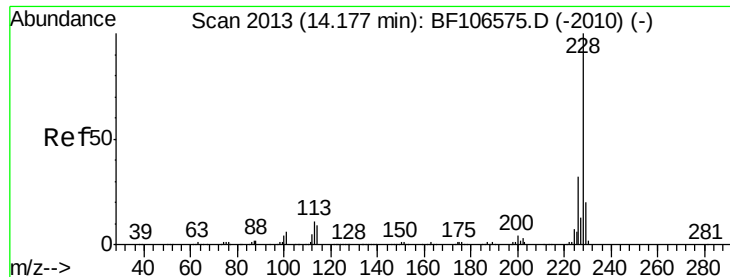
Tgt Ion: 244 Resp: 710439
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 8.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.325 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF107348.D
 Acq: 12 Jul 2018 19:20

Tgt Ion: 228 Resp: 39028
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.6 33.8
 229 21.1 15.8 23.6





#82

Chrysene

Concen: 3.176 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS

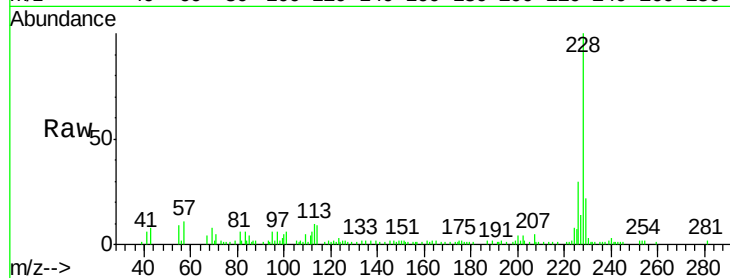
Tgt Ion:228 Resp: 34295

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

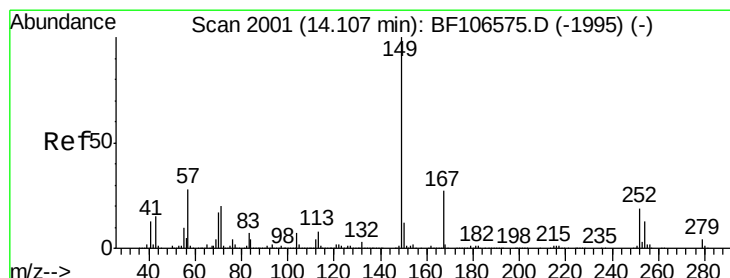
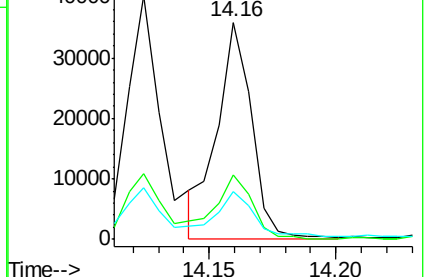
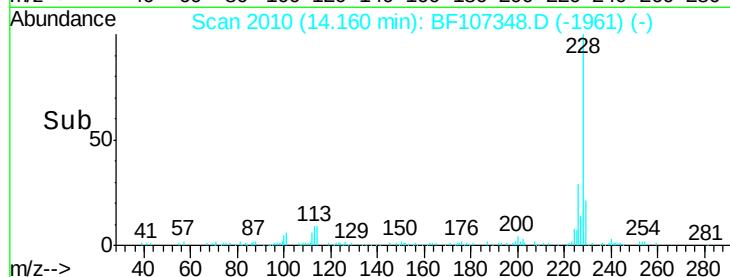
229 22.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.157 ng

RT: 14.08 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF107348.D

Acq: 12 Jul 2018 19:20

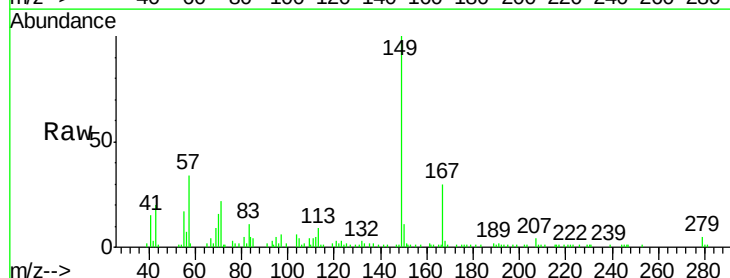
Tgt Ion:149 Resp: 34430

Ion Ratio Lower Upper

149 100

167 29.9 21.3 31.9

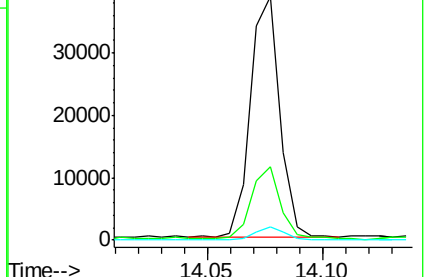
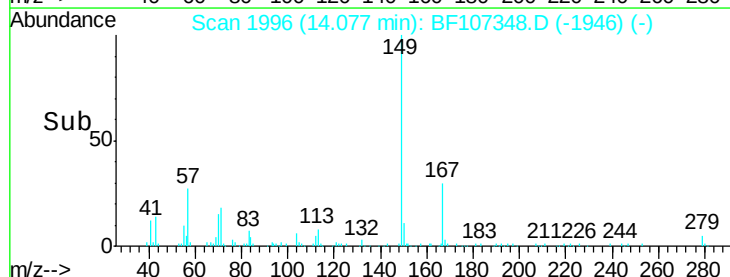
279 5.3 3.0 4.4#

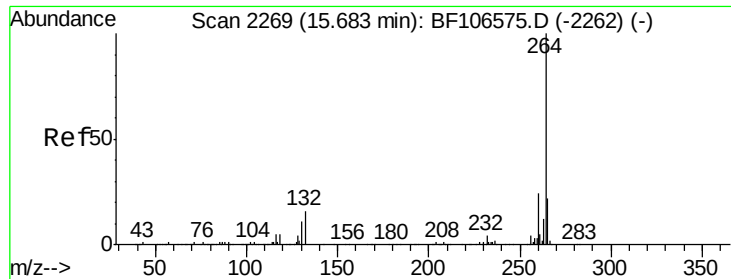


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

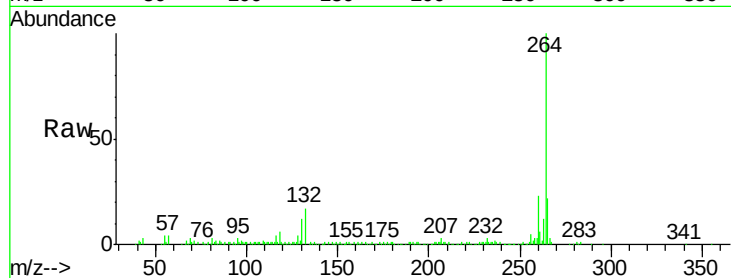




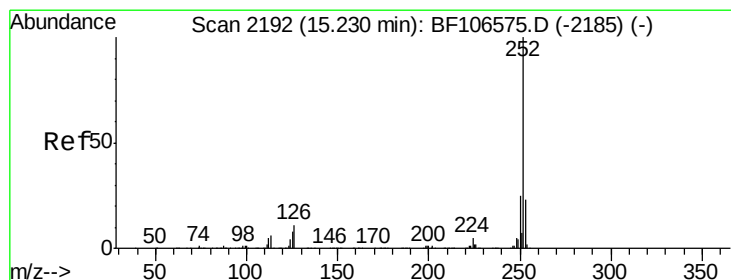
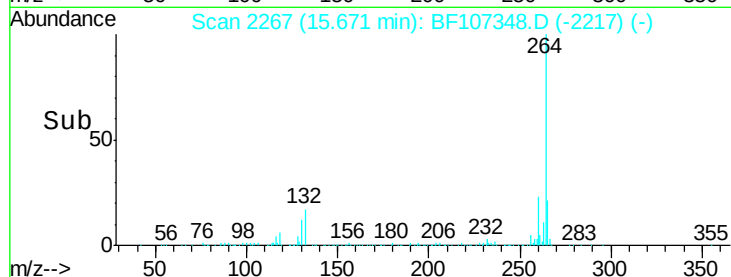
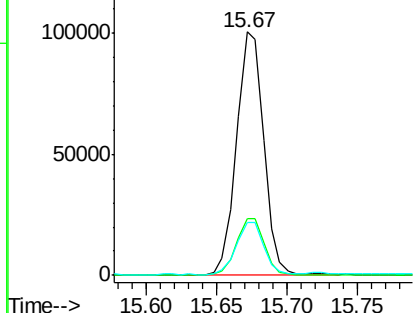
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Instrument :
BNA_F
ClientSampleId :
VNJ-204-255-ETS

Tgt Ion:264 Resp: 136410
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.7 17.5 26.3

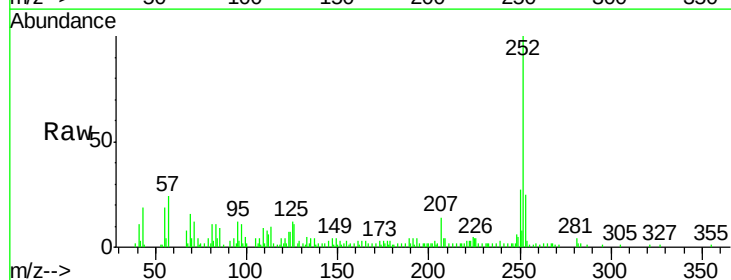


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

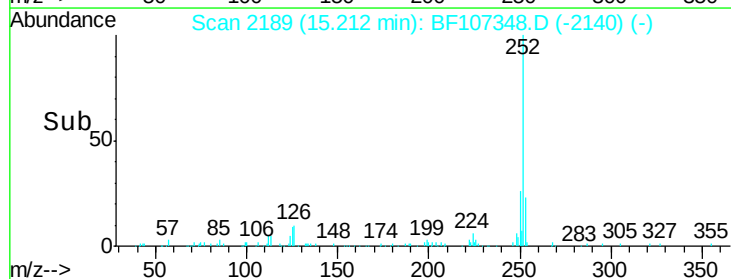
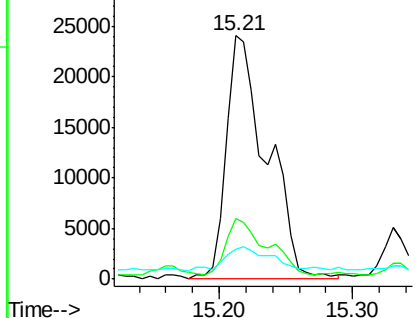


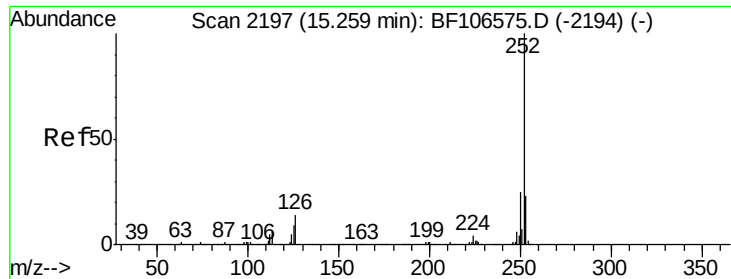
#87
Benzo(b)fluoranthene
Concen: 6.032 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Tgt Ion:252 Resp: 51114
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 12.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

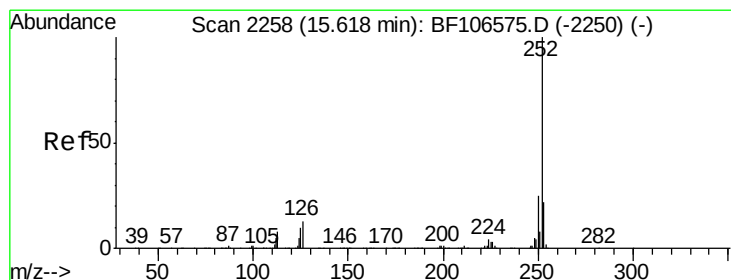
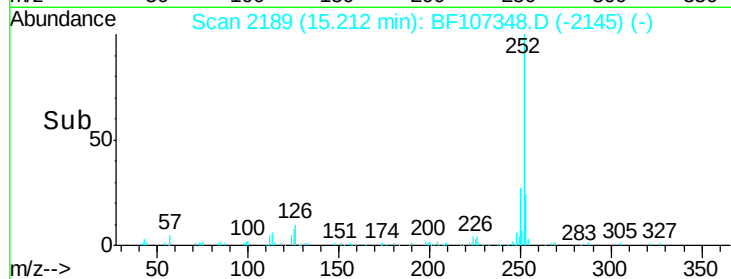
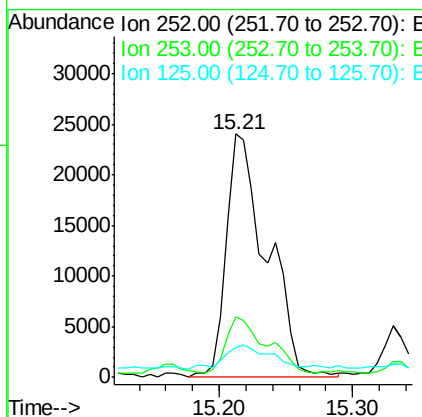
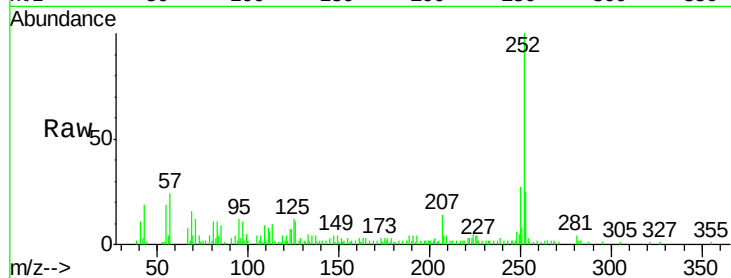




#88
Benzo(k)fluoranthene
Concen: 6.334 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.04 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

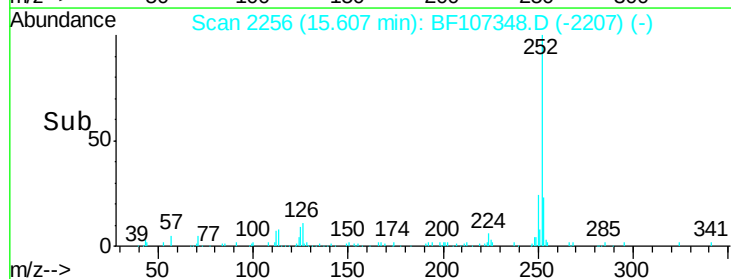
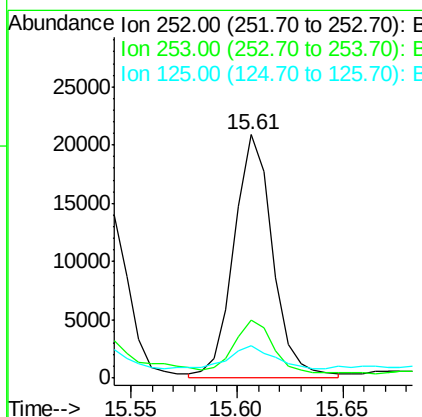
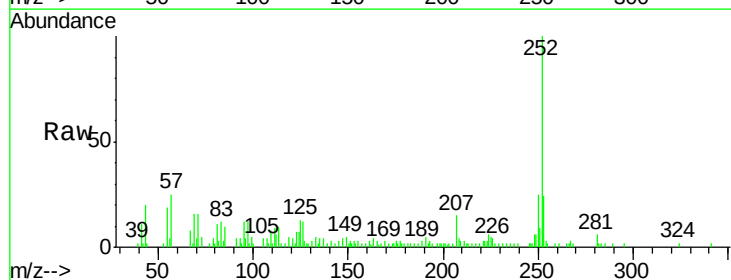
Instrument :
BNA_F
ClientSampleId :
VNJ-204-255-ETS

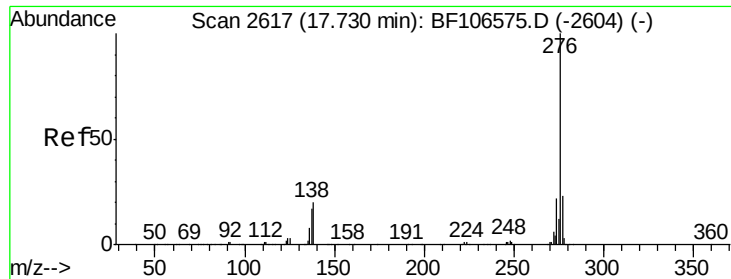
Tgt Ion:252 Resp: 51114
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 12.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.545 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF107348.D
Acq: 12 Jul 2018 19:20

Tgt Ion:252 Resp: 26707
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 13.2 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 2.582 ng

RT: 17.75 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF107348.D

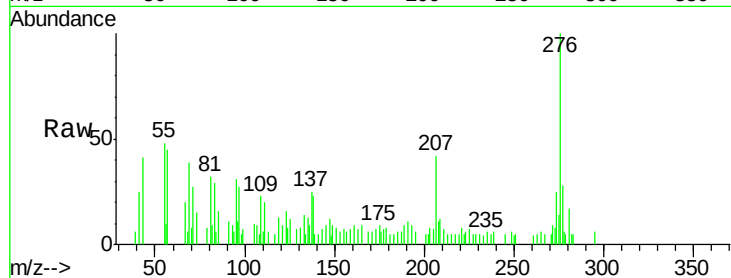
Acq: 12 Jul 2018 19:20

Instrument :

BNA_F

ClientSampleId :

VNJ-204-255-ETS



Tgt Ion:	276	Resp:	16113
Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9#
138	22.7	21.8	32.8

