

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111726.D
 Acq On : 26 Dec 2018 21:03
 Operator : JU/SJ
 Sample : J6501-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Quant Time: Dec 27 02:15:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	210077	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	763589	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	344036	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	566027	20.00	ng	0.00
76) Chrysene-d12	14.06	240	501304	20.00	ng	0.00
87) Perylene-d12	15.54	264	378775	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	751362	60.96	ng	0.02
7) Phenol-d6	6.53	99	946555	60.35	ng	0.01
23) Nitrobenzene-d5	7.46	82	587299	44.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	228370	56.18	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1002294	42.46	ng	0.00
79) Terphenyl-d14	13.00	244	874023	33.06	ng	0.00

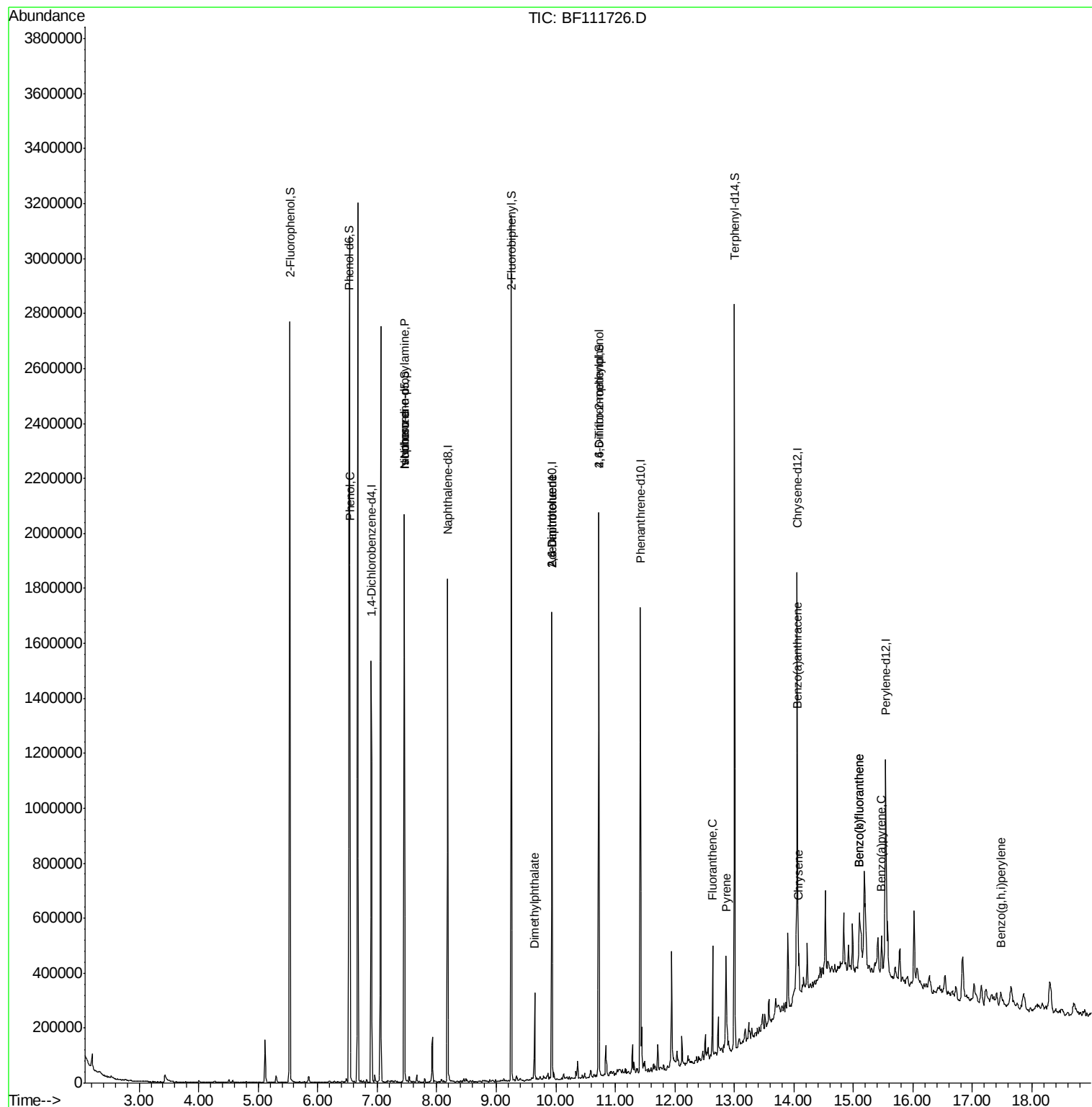
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	70123	3.962	ng	98
19) n-Nitroso-di-n-propylamine	7.46	70	81155	7.791	ng	# 77
25) Isophorone	7.46	82	585350	25.134	ng	# 64
50) Dimethylphthalate	9.65	163	124848	4.962	ng	97
51) 2,6-Dinitrotoluene	9.93	165	44517	8.874	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	44517	7.384	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	518	6.883	ng	# 1
75) Fluoranthene	12.63	202	152584	5.020	ng	92
78) Pyrene	12.86	202	138251	3.905	ng	95
81) Benzo(a)anthracene	14.04	228	77145	2.697	ng	96
83) Chrysene	14.08	228	80056	2.847	ng	97
88) Benzo(b)fluoranthene	15.10	252	130622	5.901	ng	97
89) Benzo(k)fluoranthene	15.10	252	130622	6.198	ng	97
90) Benzo(a)pyrene	15.47	252	63324	3.149	ng	95
92) Benzo(a,h,i)perylene	17.47	276	39713	2.309	ng	# 86

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

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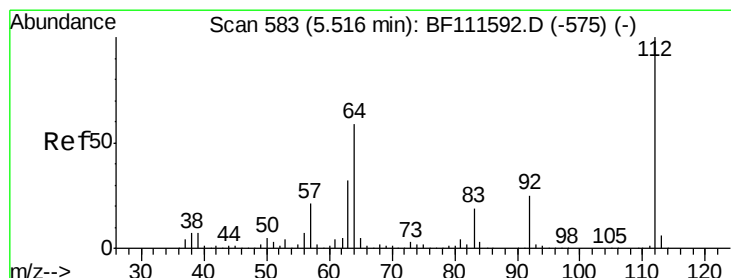
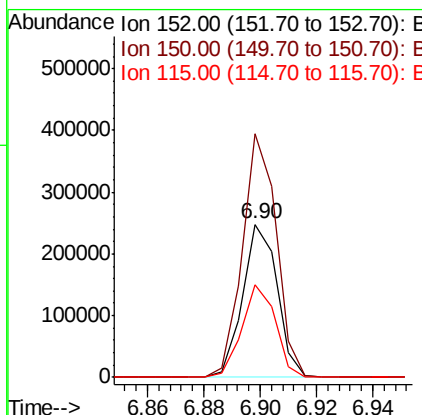
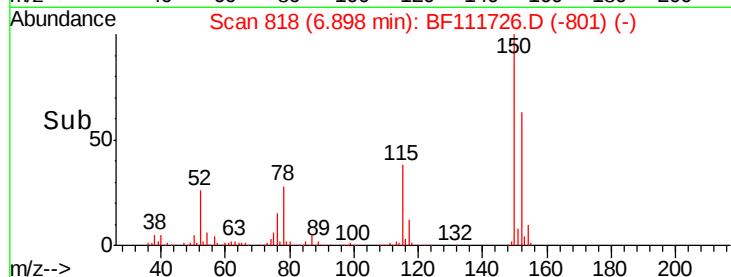
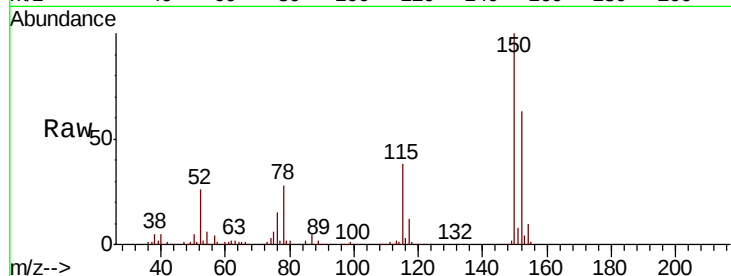


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF111726.D
 Acq: 26 Dec 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

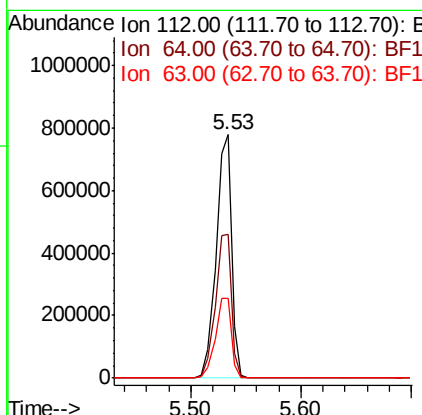
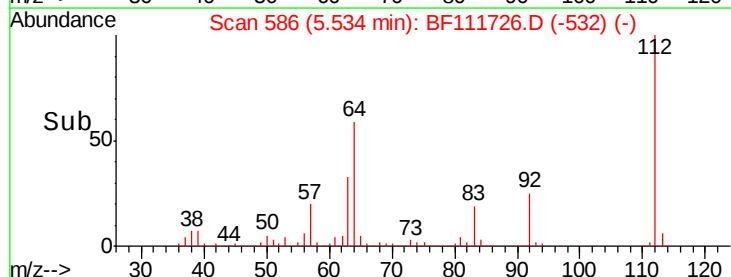
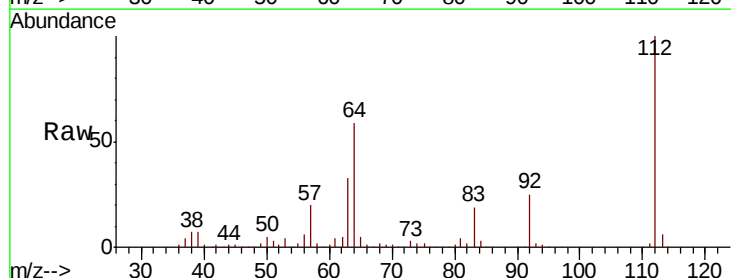
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.6	189.8
115	61.0	50.7	76.1

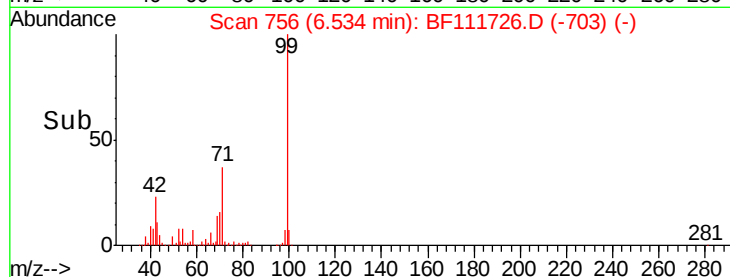
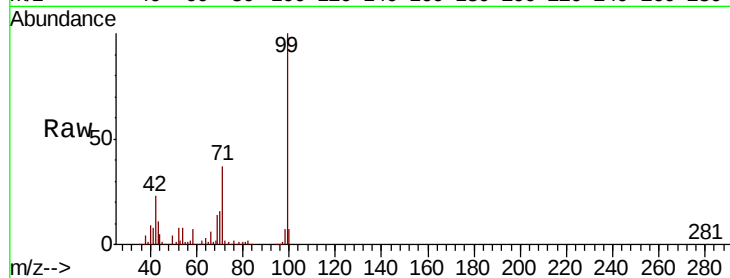
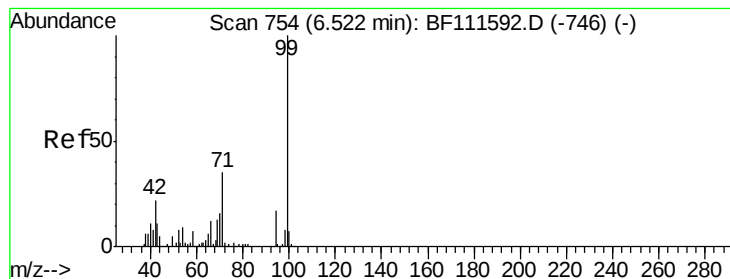


#5

2-Fluorophenol
 Concen: 60.964 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF111726.D
 Acq: 26 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	51.8	77.6
63	32.6	26.8	40.2





#7

Phenol-d6

Concen: 60.348 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

Instrument :

BNA_F

ClientSampleId :

VNJ-221

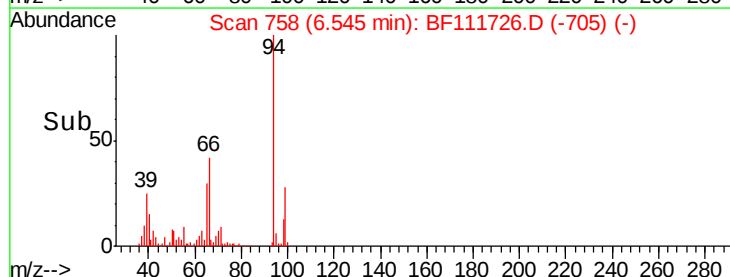
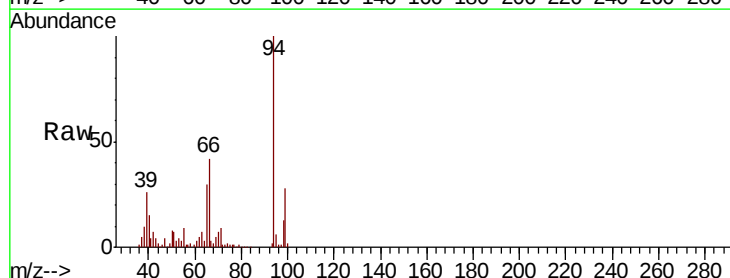
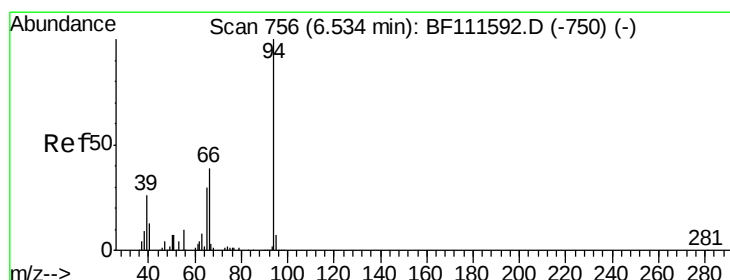
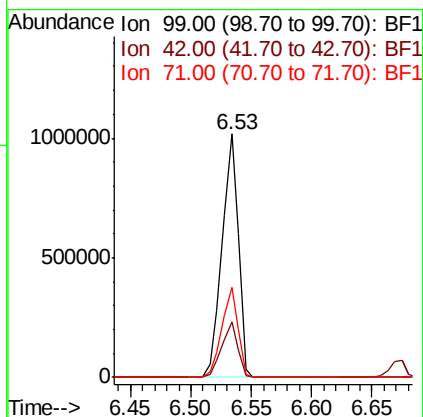
Tot Ion: 99 Resp: 946555

Ion Ratio Lower Upper

99 100

42 22.6 17.4 26.0

71 37.1 26.1 39.1



#10

Phenol

Concen: 3.962 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

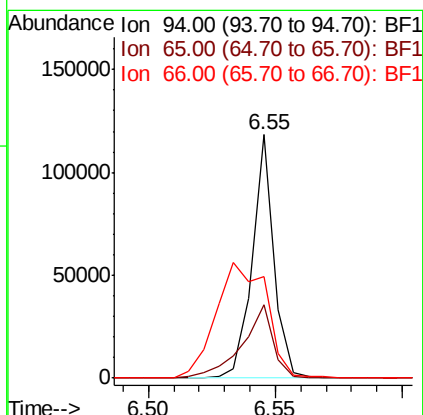
Tgt Ion: 94 Resp: 70123

Ion Ratio Lower Upper

94 100

65 30.3 11.7 51.7

66 41.8 21.0 61.0

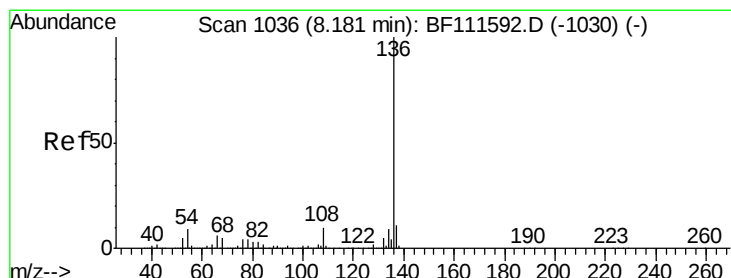
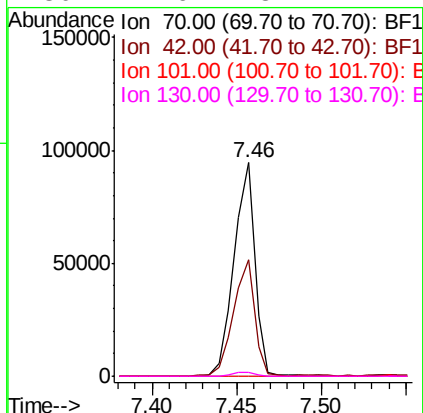
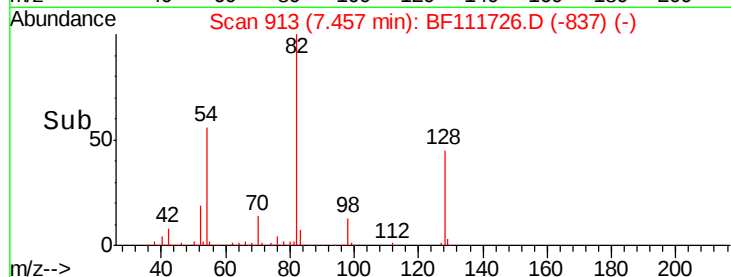
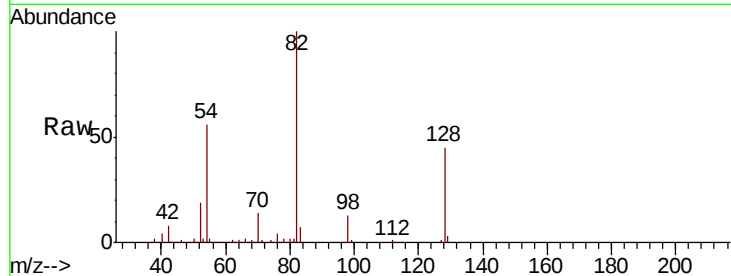




#19
n-Nitroso-di-n-propylamine
Concen: 7.791 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

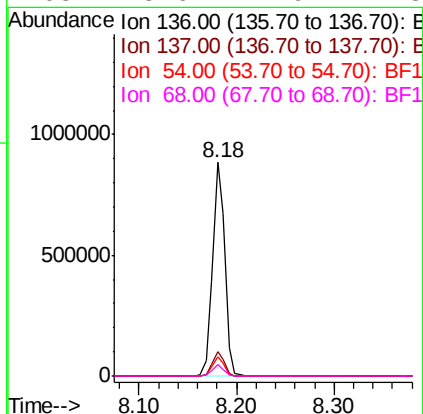
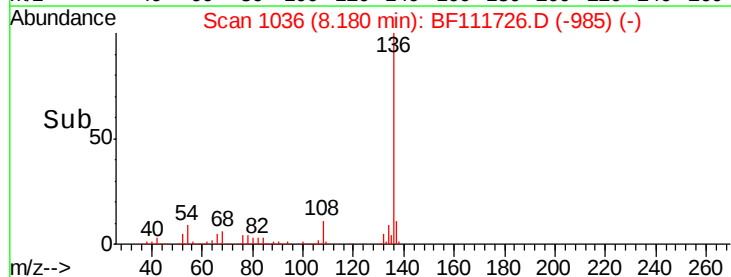
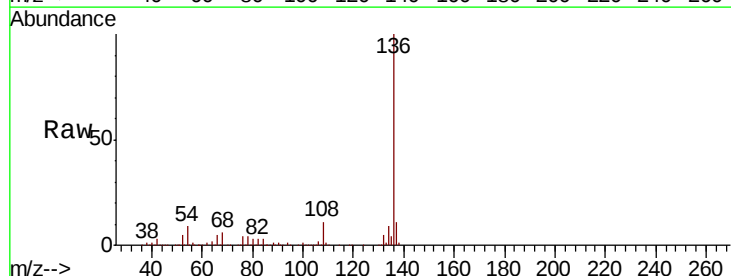
Instrument :
BNA_F
ClientSampled :
VNJ-221

Tot Ion: 70 Resp: 81155
Ion Ratio Lower Upper
70 100
42 54.5 53.2 79.8
101 0.0 8.2 12.4#
130 1.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion:136 Resp: 763589
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 9.1 7.7 11.5
68 5.6 4.9 7.3

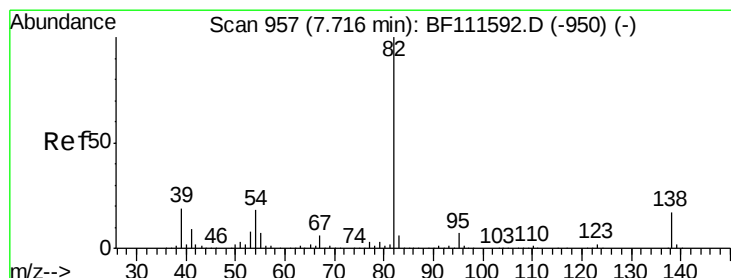
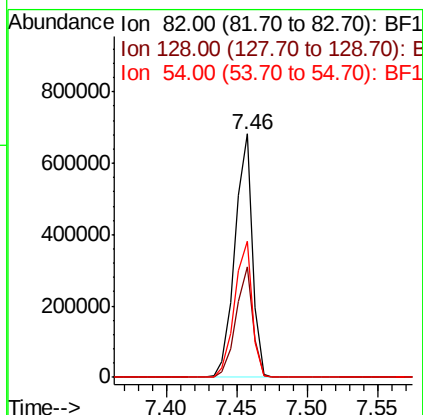
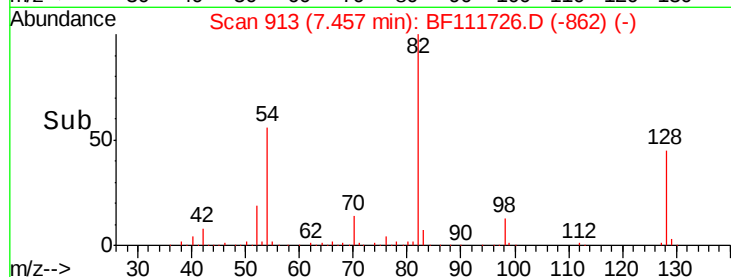
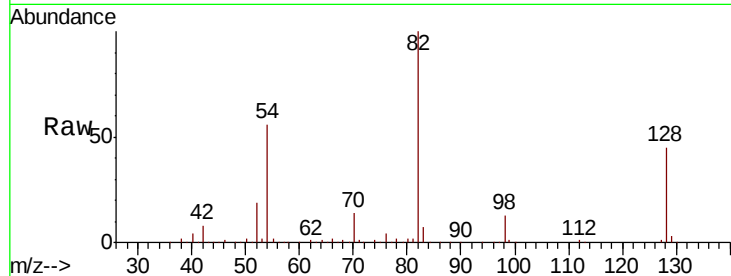




#23
Nitrobenzene-d5
Concen: 44.769 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

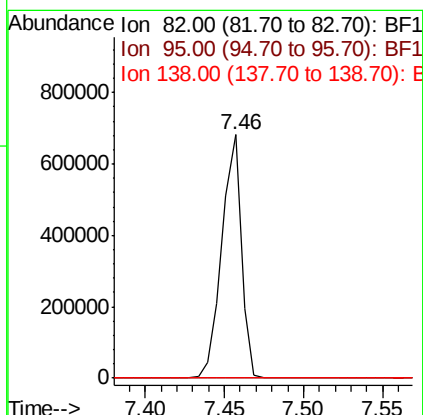
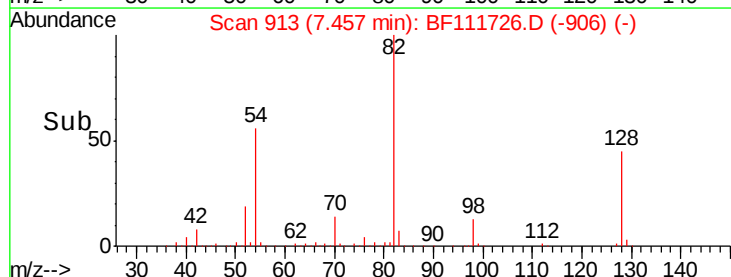
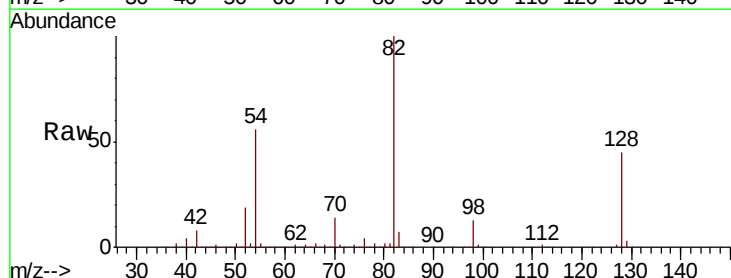
Instrument :
BNA_F
ClientSampleId :
VNJ-221

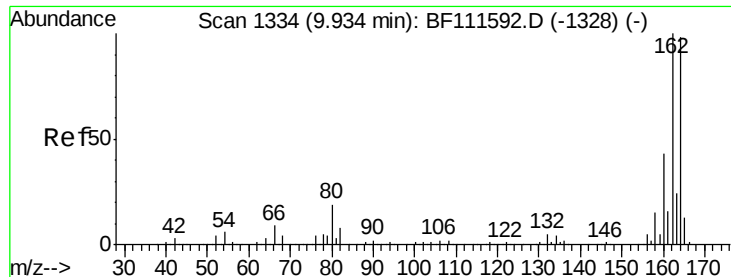
Tot Ion: 82 Resp: 587299
Ion Ratio Lower Upper
82 100
128 45.3 37.4 56.2
54 56.1 47.6 71.4



#25
Isophorone
Concen: 25.134 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion: 82 Resp: 585350
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

Instrument :

BNA_F

ClientSampleId :

VNJ-221

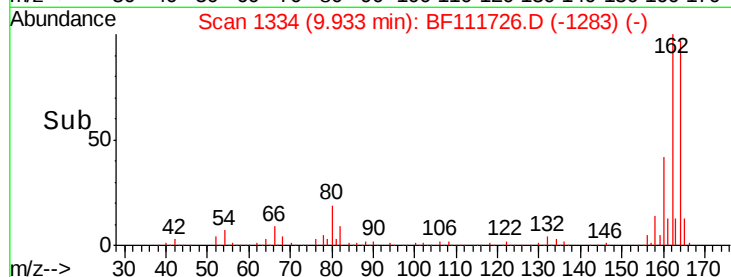
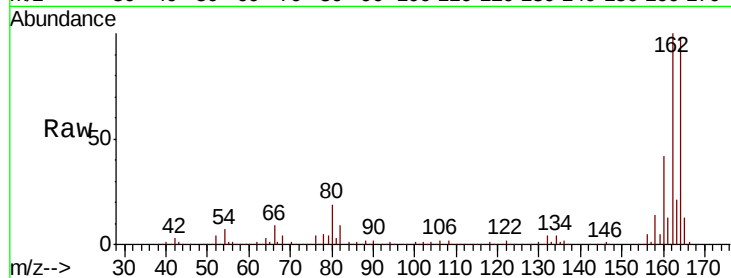
Tot Ion:164 Resp: 344036

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.0

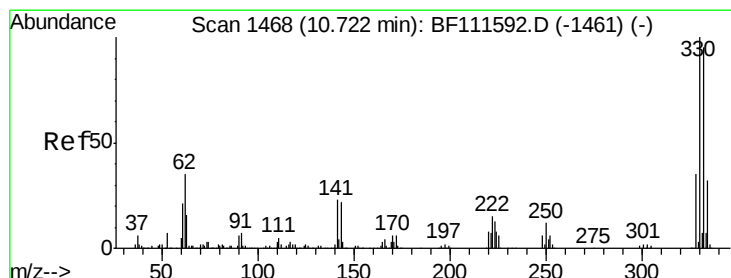
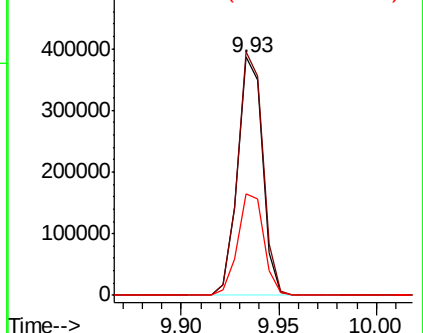
160 42.8 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 56.179 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

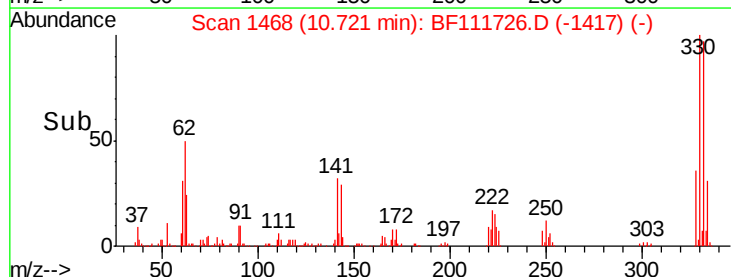
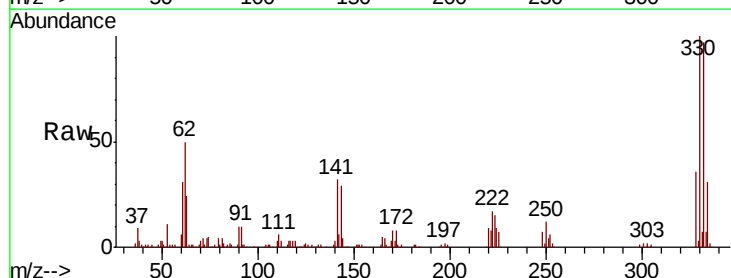
Tgt Ion:330 Resp: 228370

Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

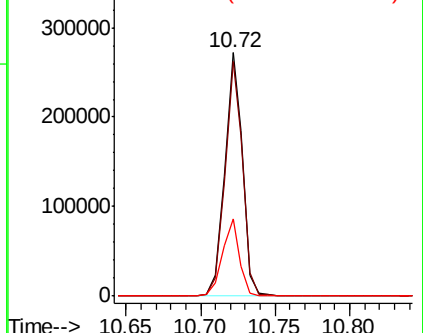
141 30.5 31.0 46.6#

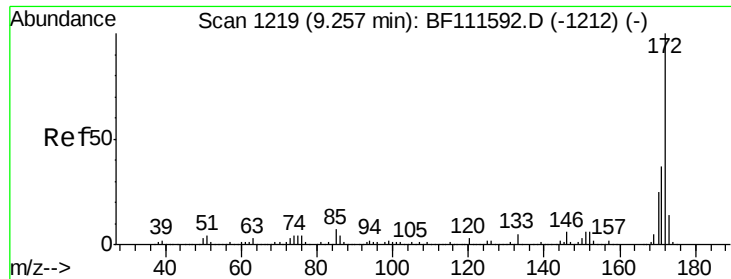


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

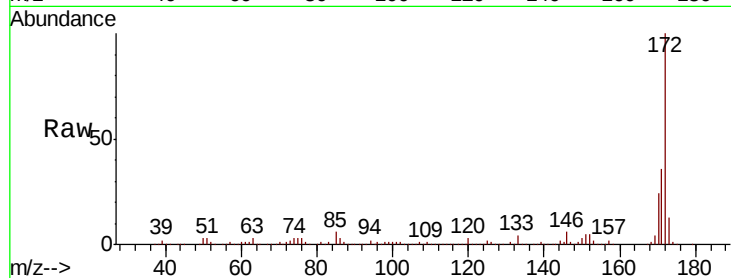




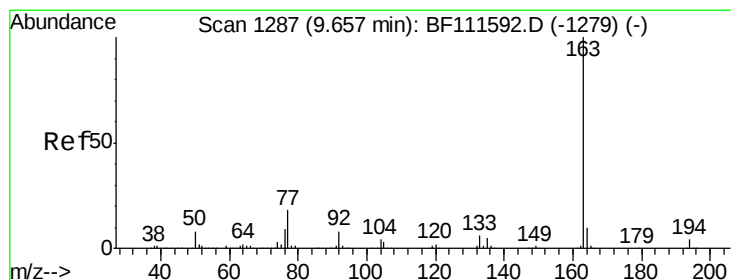
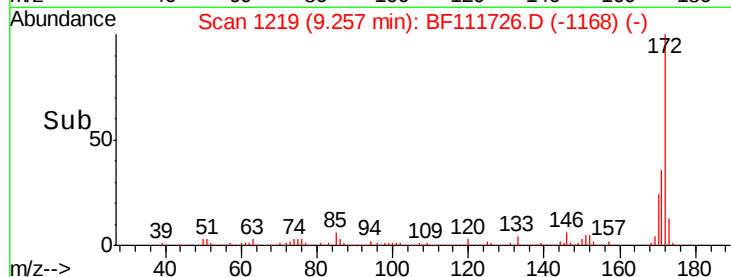
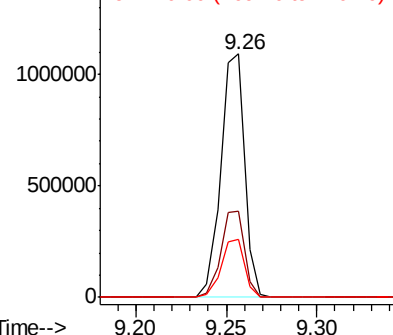
#45
2-Fluorobiphenyl
Concen: 42.464 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Instrument :
BNA_F
ClientSampled :
VNJ-221

Tot Ion:172 Resp: 1002294
Ion Ratio Lower Upper
172 100
171 35.5 33.0 49.4
170 23.8 22.3 33.5

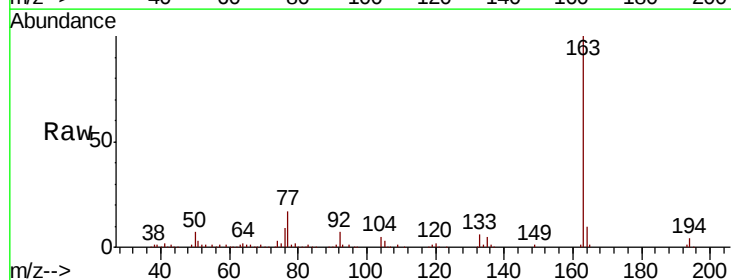


Abundance Ion 172.00 (171.70 to 172.70): E
1500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

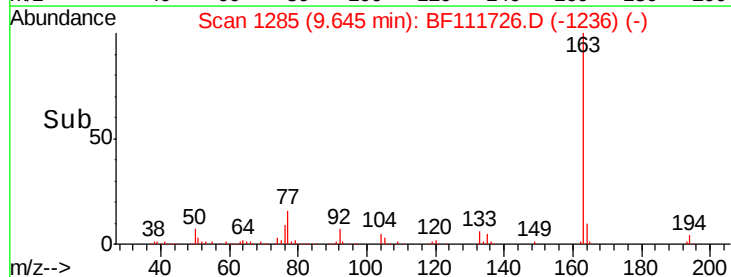
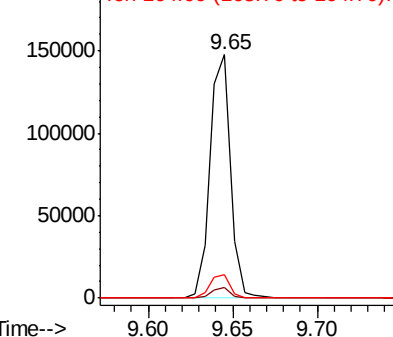


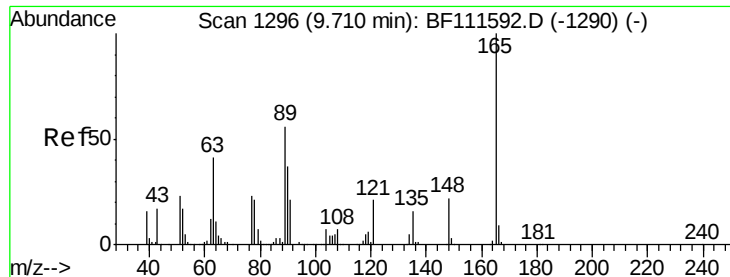
#50
Dimethylphthalate
Concen: 4.962 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion:163 Resp: 124848
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 9.7 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
200000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.874 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

Instrument :

BNA_F

ClientSampleId :

VNJ-221

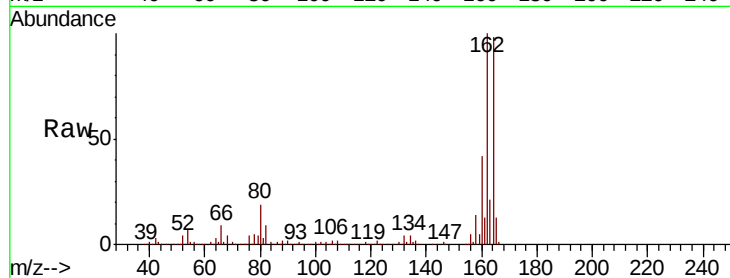
Tot Ion:165 Resp: 44517

Ion Ratio Lower Upper

165 100

63 1.8 40.5 60.7#

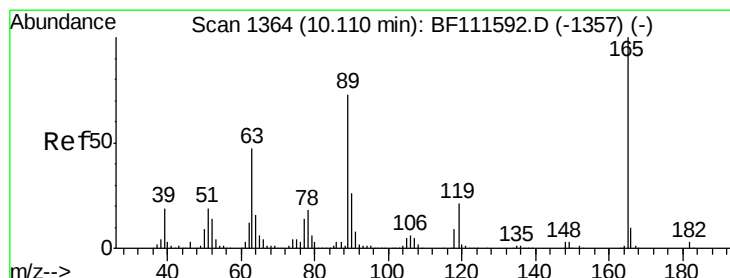
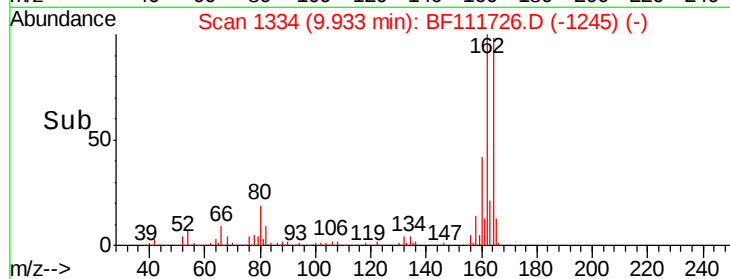
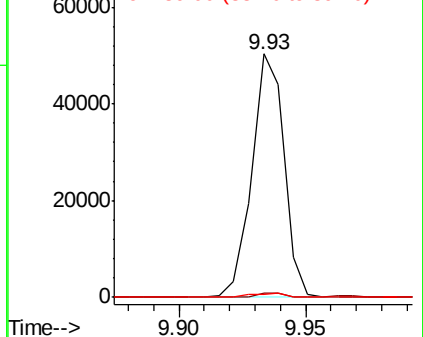
89 1.5 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 7.384 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

Tgt Ion:165 Resp: 44517

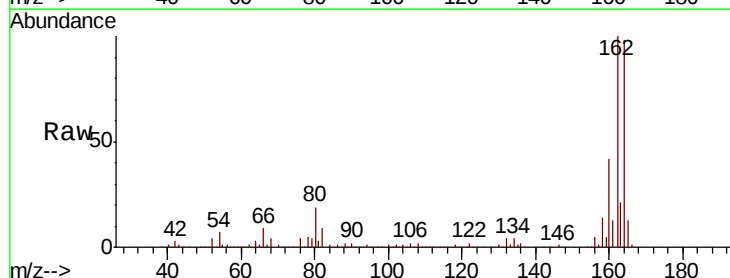
Ion Ratio Lower Upper

165 100

63 1.8 34.6 52.0#

89 1.5 56.2 84.4#

182 0.0 1.8 2.6#

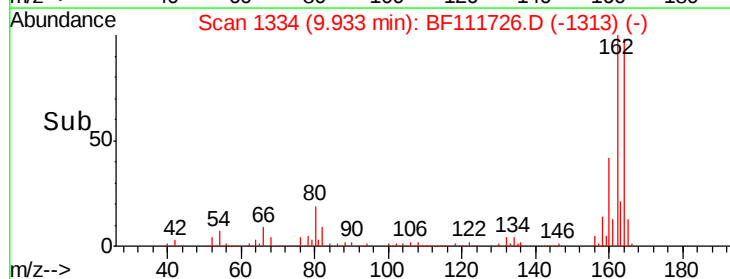
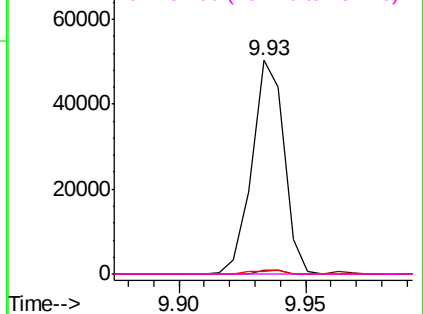


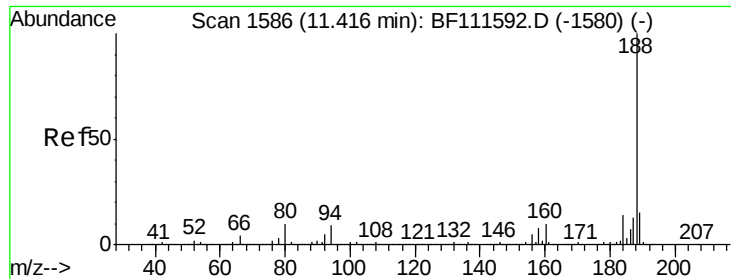
Abundance Ion 165.00 (164.70 to 165.70): E

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

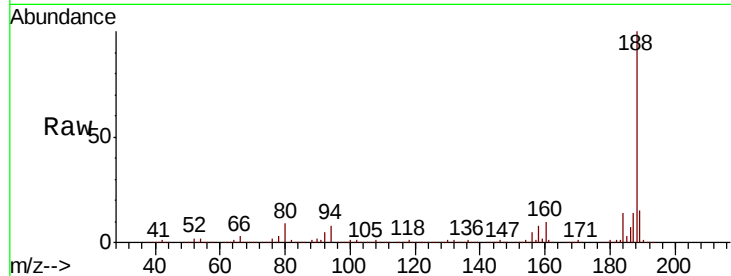




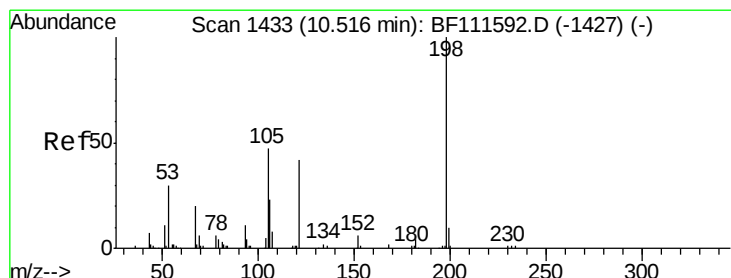
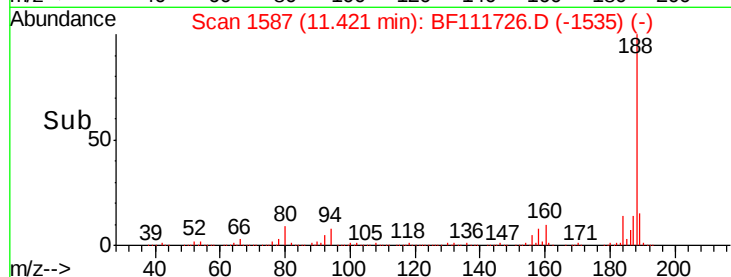
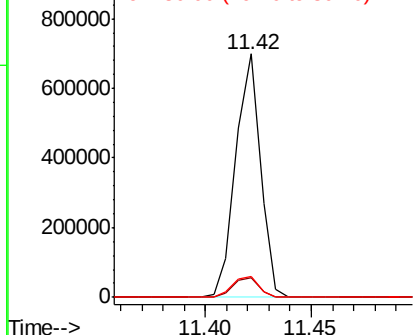
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Instrument :
BNA_F
ClientSampled :
VNJ-221

Tot Ion:188 Resp: 566027
Ion Ratio Lower Upper
188 100
94 8.0 9.6 14.4#
80 8.6 9.8 14.6#

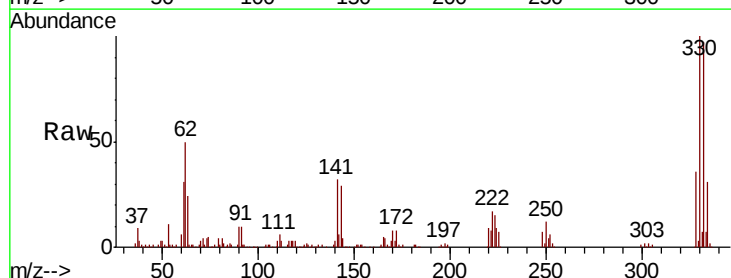


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

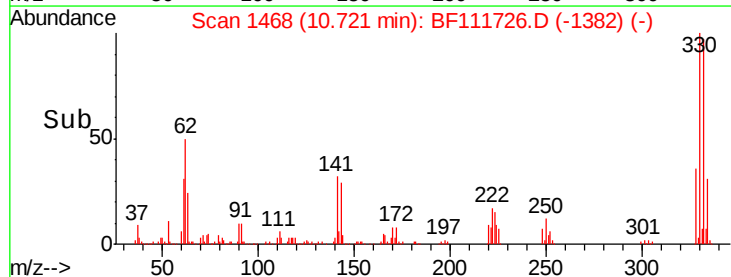
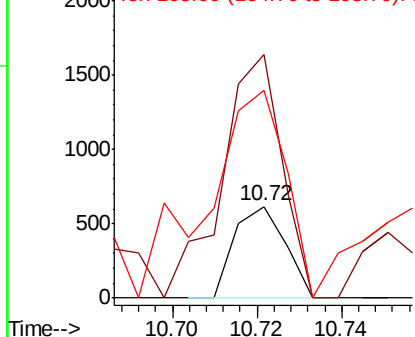


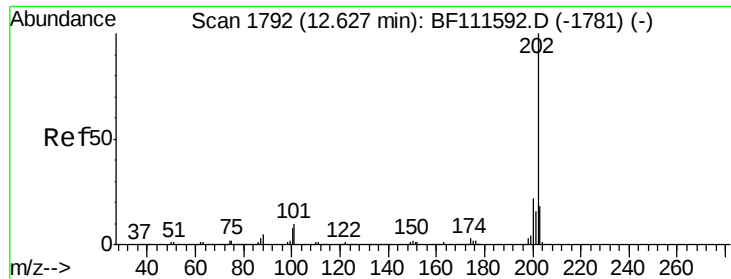
#65
4,6-Dinitro-2-methylphenol
Concen: 6.883 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.21 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion:198 Resp: 518
Ion Ratio Lower Upper
198 100
51 265.0 48.0 88.0#
105 226.1 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 5.020 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

Instrument :

BNA_F

ClientSampleId :

VNJ-221

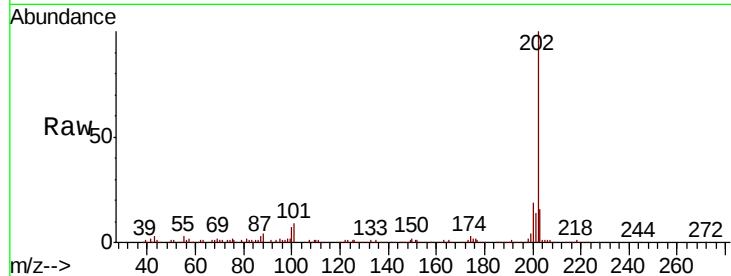
Tot Ion:202 Resp: 152584

Ion Ratio Lower Upper

202 100

101 9.0 0.0 33.8

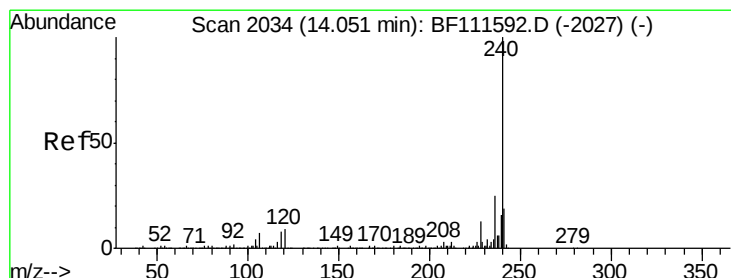
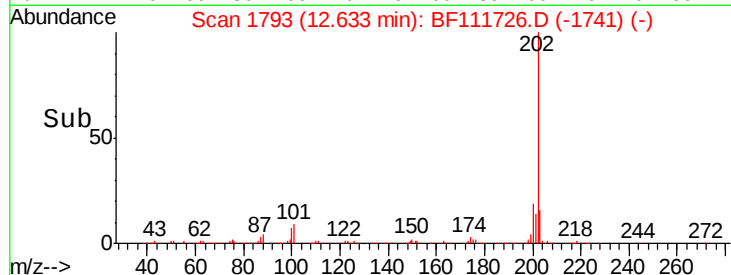
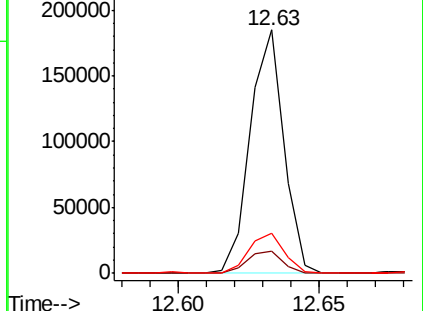
203 16.5 0.0 38.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF111726.D

Acq: 26 Dec 2018 21:03

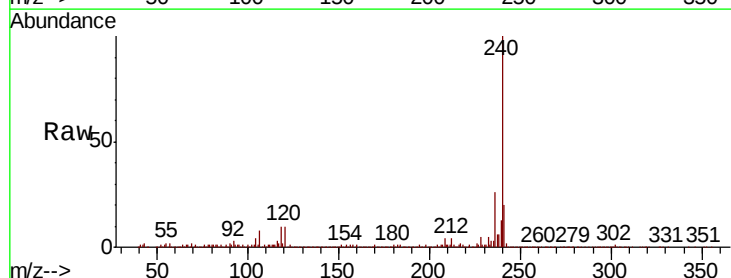
Tgt Ion:240 Resp: 501304

Ion Ratio Lower Upper

240 100

120 10.4 12.2 18.2#

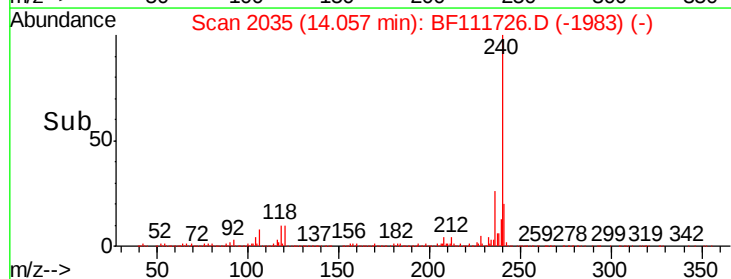
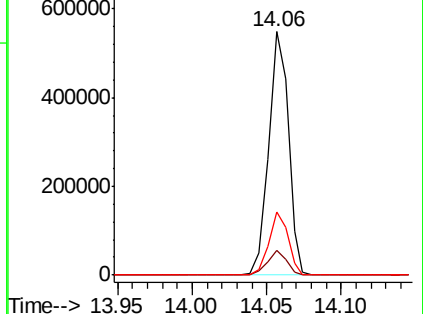
236 25.8 20.2 30.2

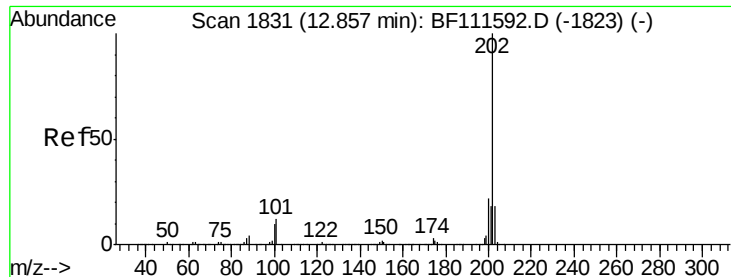


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

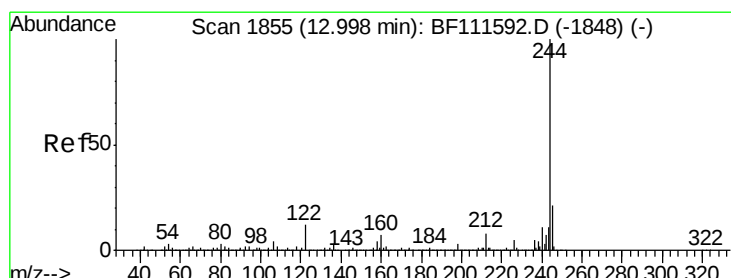
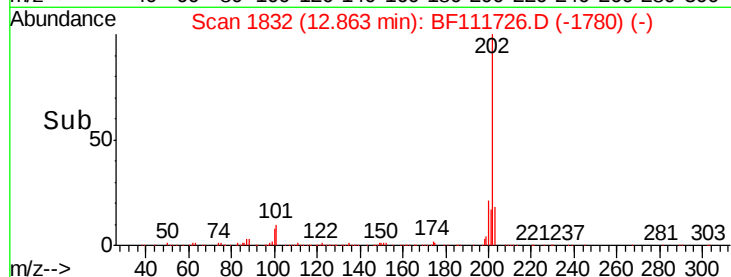
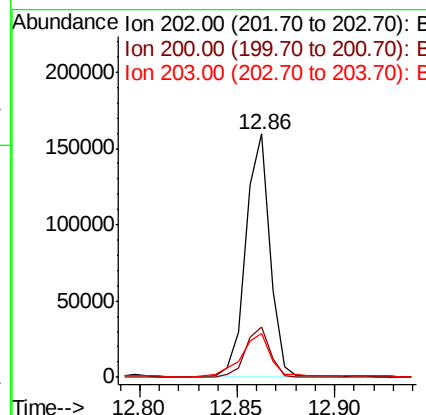
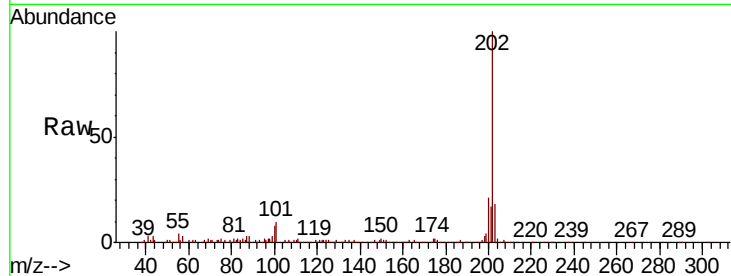




#78
Pvrene
Concen: 3.905 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

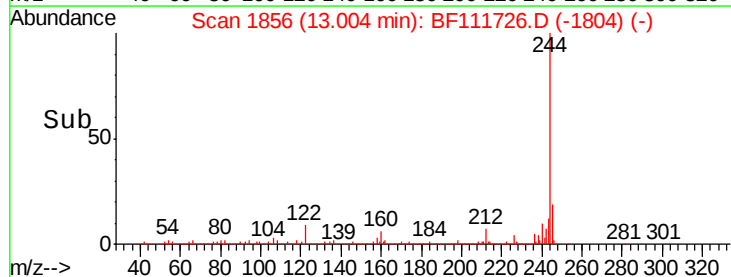
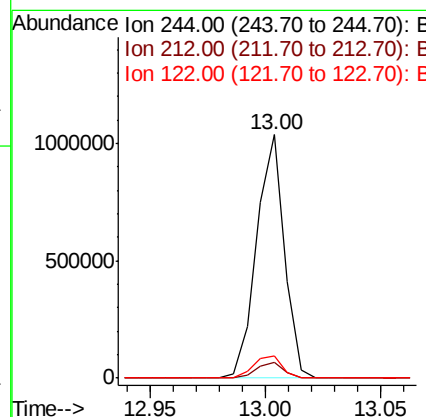
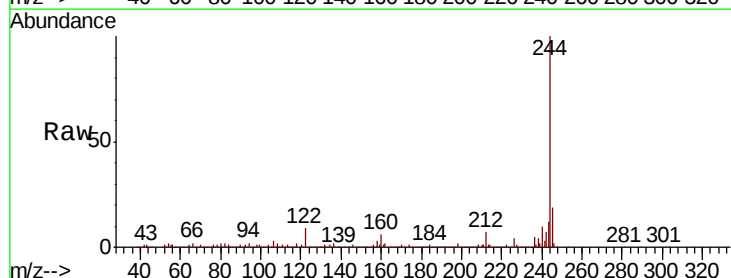
Instrument :
BNA_F
ClientSampleId :
VNJ-221

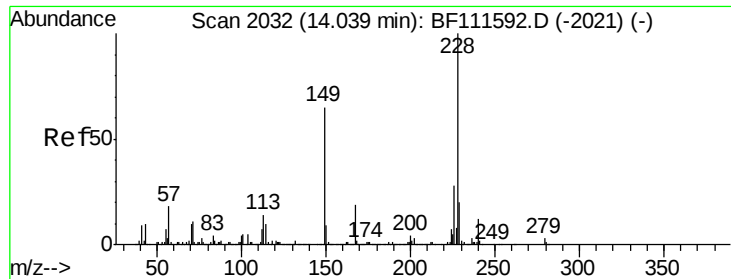
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	19.0	28.4
203	17.9	15.2	22.8



#79
Terphenyl-d14
Concen: 33.064 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.3	13.1	19.7#

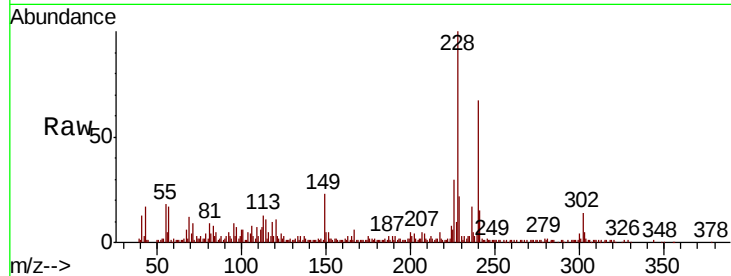




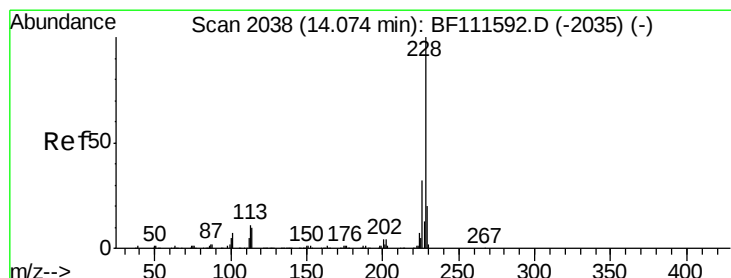
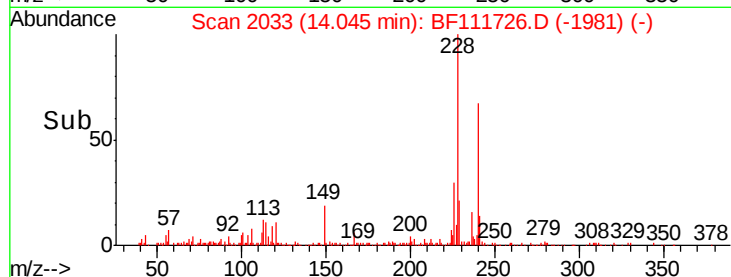
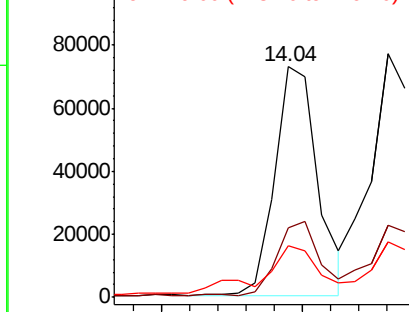
#81
Benzo(a)anthracene
Concen: 2.697 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tot Ion:228 Resp: 77145
Ion Ratio Lower Upper
228 100
226 30.4 22.6 34.0
229 22.1 16.3 24.5

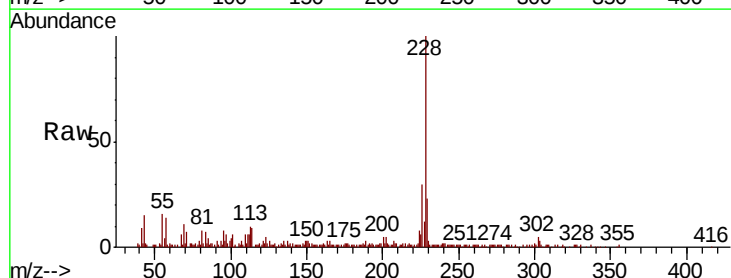


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

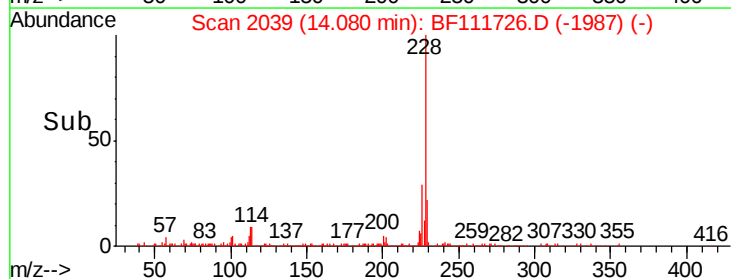
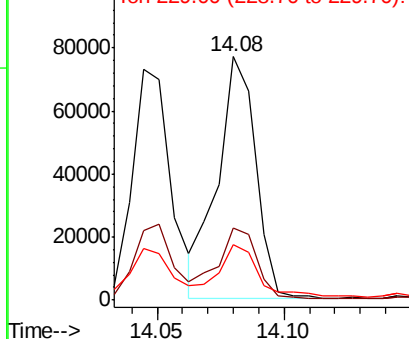


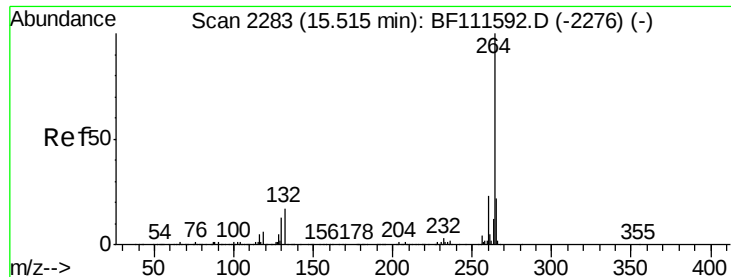
#83
Chrysene
Concen: 2.847 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion:228 Resp: 80056
Ion Ratio Lower Upper
228 100
226 29.7 25.3 37.9
229 22.6 17.2 25.8



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

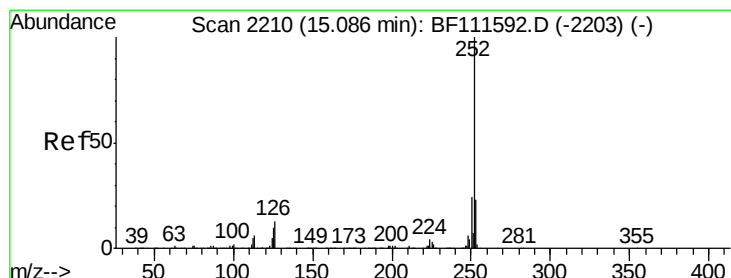
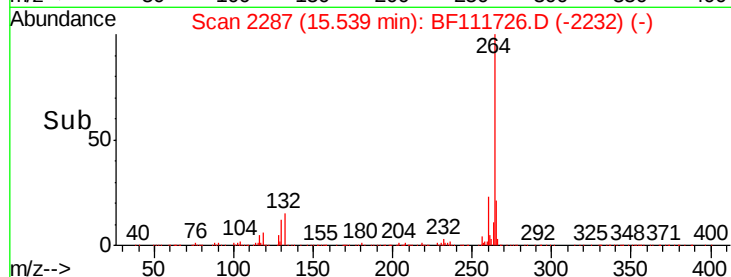
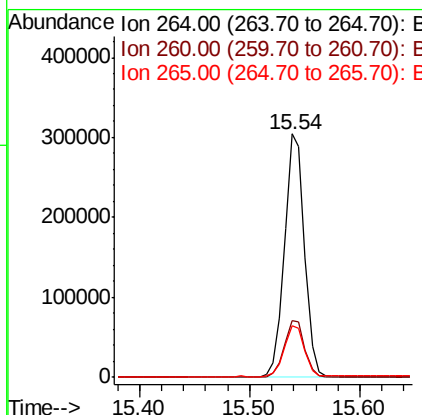
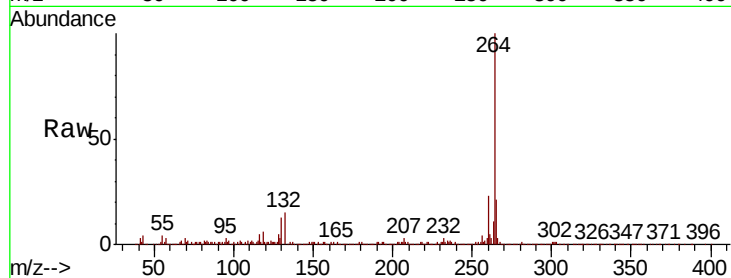




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

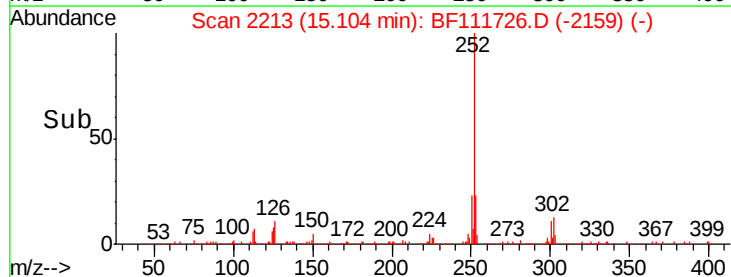
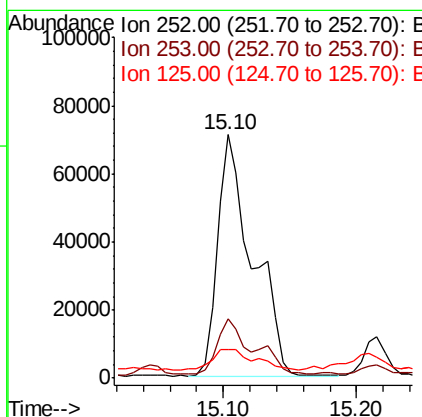
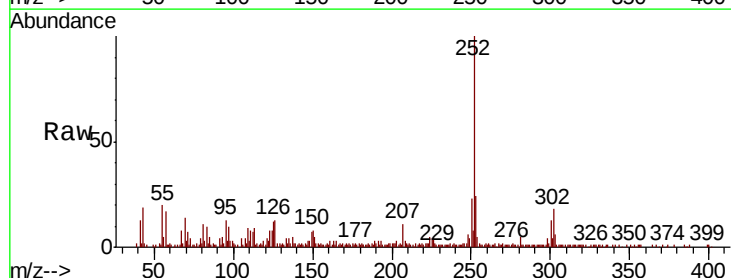
Instrument :
BNA_F
ClientSampleId :
VNJ-221

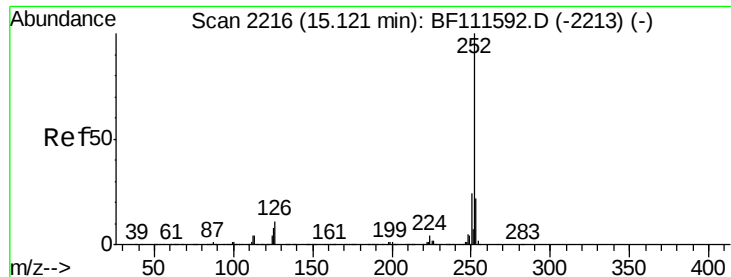
Tot Ion:264 Resp: 378775
Ion Ratio Lower Upper
264 100
260 23.3 18.3 27.5
265 21.1 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 5.901 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion:252 Resp: 130622
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 11.8 10.4 15.6

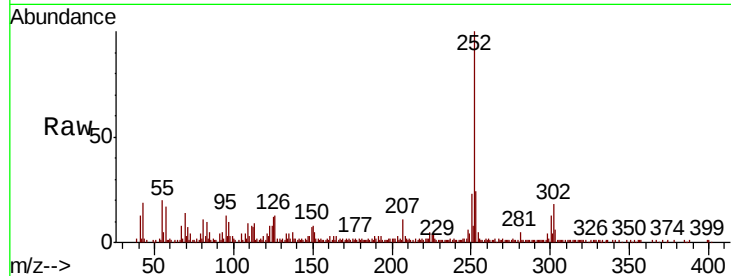




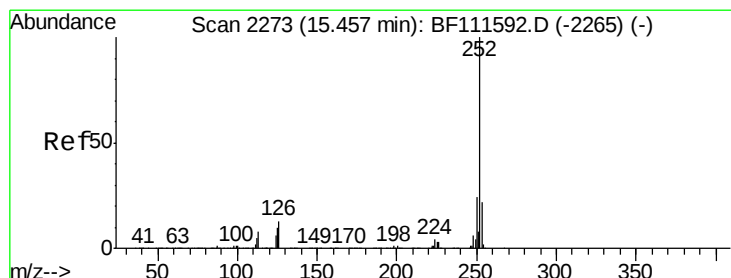
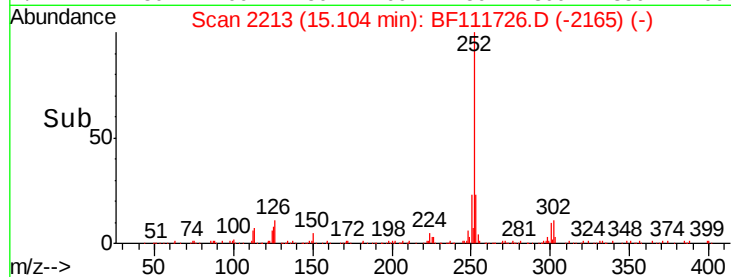
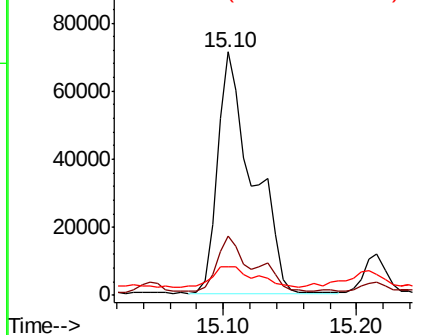
#89
Benzo(k)fluoranthene
Concen: 6.198 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tot Ion:252 Resp: 130622
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 11.8 9.8 14.8

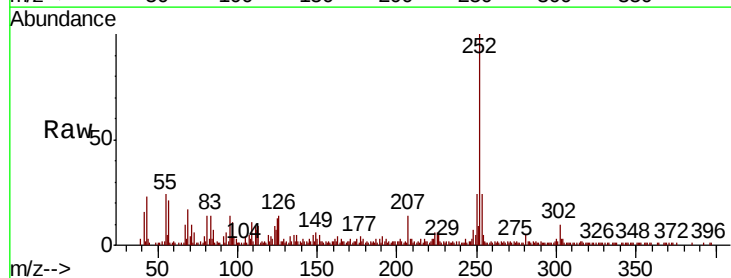


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

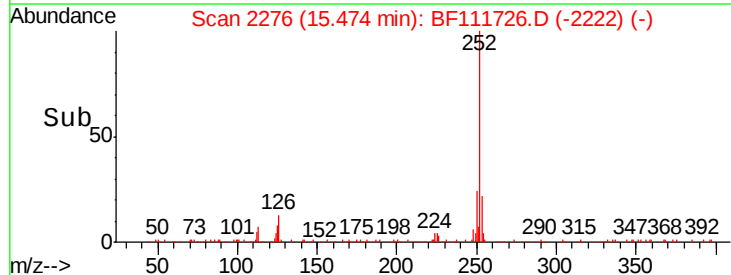
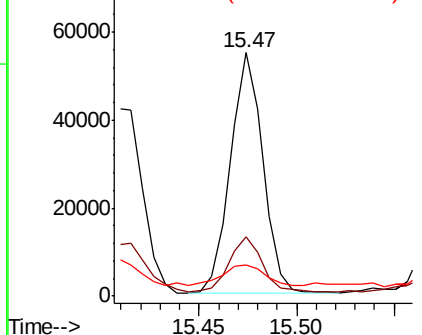


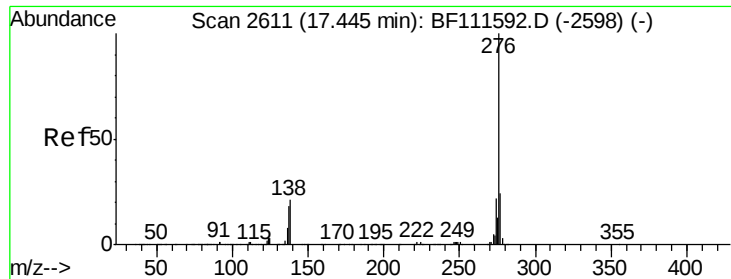
#90
Benzo(a)pyrene
Concen: 3.149 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF111726.D
Acq: 26 Dec 2018 21:03

Tgt Ion:252 Resp: 63324
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 12.8 12.3 18.5



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





#92
 Benzo(a,h,i)perylene
 Concen: 2.309 ng
 RT: 17.47 min Scan# 2616
 Delta R.T. 0.03 min
 Lab File: BF111726.D
 Acq: 26 Dec 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.2	28.8
138	19.9	24.9	37.3

