

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121018\
 Data File : BF111262.D
 Acq On : 11 Dec 2018 00:26
 Operator : JU/SJ
 Sample : J6234-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

Quant Time: Dec 11 04:01:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	517515	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1892599	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	542578	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	930316	20.00	ng	0.00
76) Chrysene-d12	13.96	240	638167	20.00	ng	0.00
87) Perylene-d12	15.40	264	463394	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	701593	21.41	ng	0.00
7) Phenol-d6	6.42	99	886318	21.76	ng	-0.01
23) Nitrobenzene-d5	7.36	82	492985	14.61	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	84003	17.48	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	747496	16.77	ng	0.00
79) Terphenyl-d14	12.90	244	470619	17.69	ng	0.00

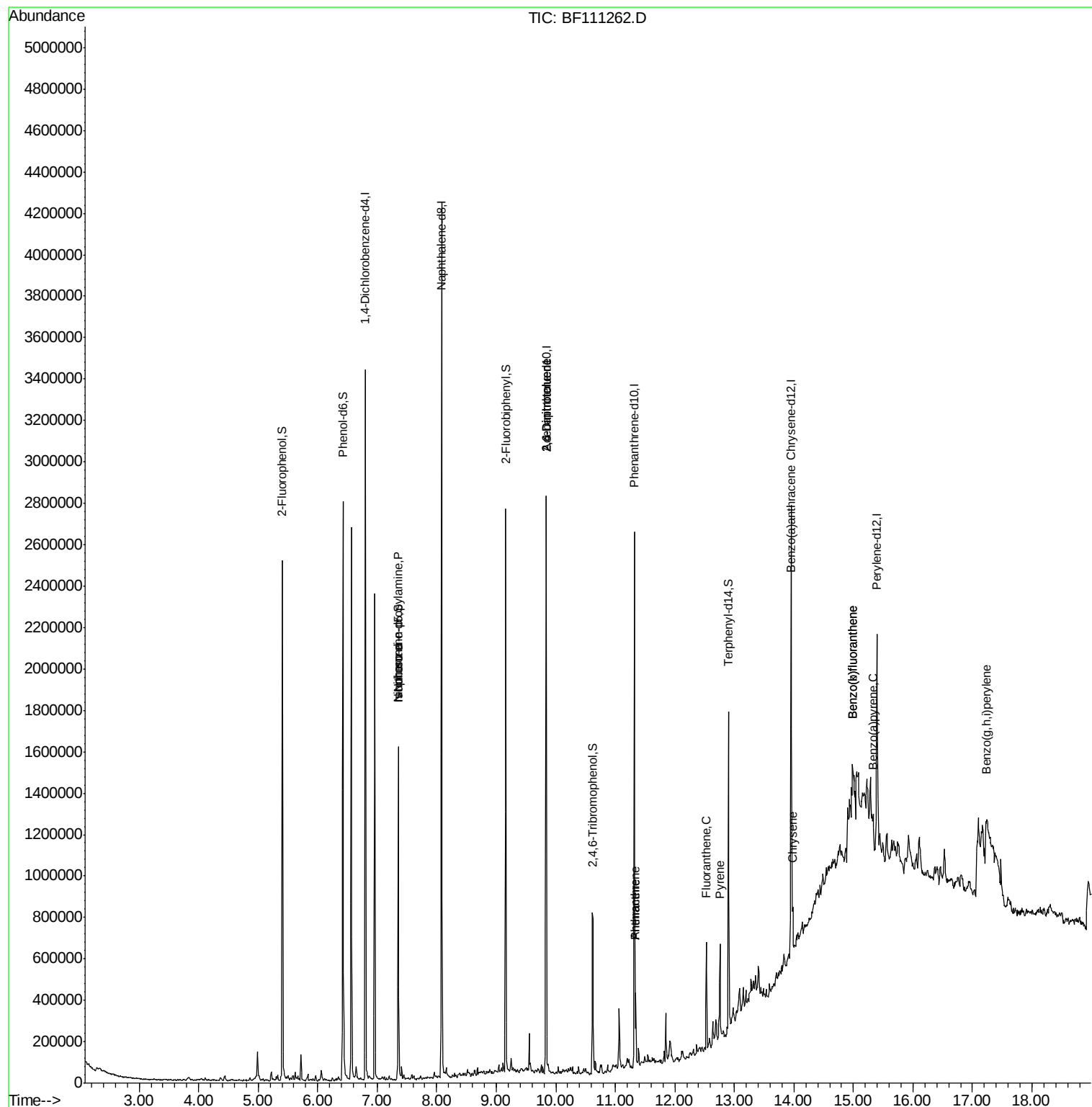
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	1112	Below Cal		# 31
19) n-Nitroso-di-n-propylamine	7.36	70	64045	2.347	ng	# 77
25) Isophorone	7.36	82	483635	8.415	ng	# 64
46) 1,1'-Biphenyl	9.26	154	3156	Below Cal		# 84
51) 2,6-Dinitrotoluene	9.84	165	71169	8.050	ng	# 29
57) 2,4-Dinitrotoluene	9.84	165	71169	6.530	ng	# 25
71) Phenanthrene	11.34	178	133806	2.852	ng	# 93
72) Anthracene	11.34	178	133806	2.726	ng	# 94
75) Fluoranthene	12.53	202	191057	4.457	ng	# 98
78) Pyrene	12.76	202	180661	3.962	ng	# 96
81) Benzo(a)anthracene	13.94	228	80752	2.268	ng	# 94
83) Chrysene	13.98	228	76753	2.091	ng	# 97
88) Benzo(b)fluoranthene	14.98	252	125202	4.886	ng	# 81
89) Benzo(k)fluoranthene	14.98	252	125202	5.196	ng	# 80
90) Benzo(a)pyrene	15.33	252	58148	2.464	ng	# 80
92) Benzo(g,h,i)perylene	17.23	276	40323	2.173	ng	# 90

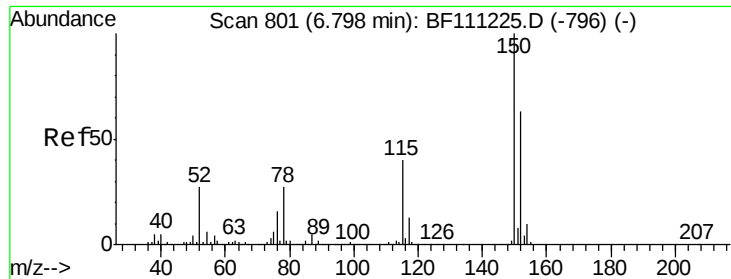
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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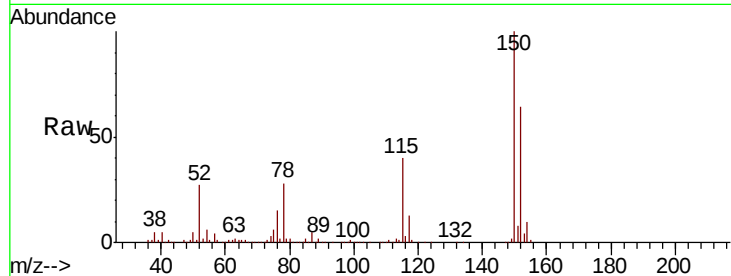


#1

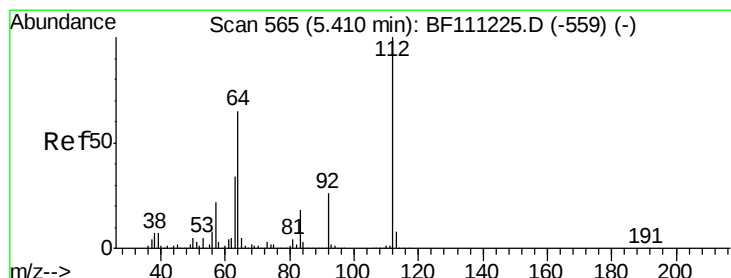
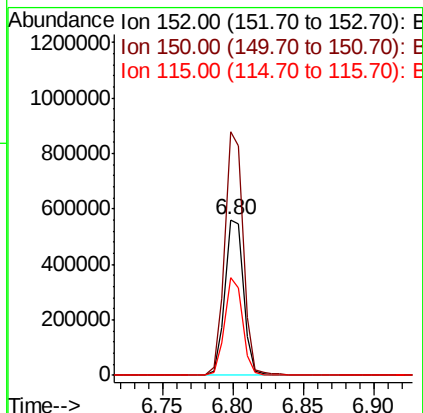
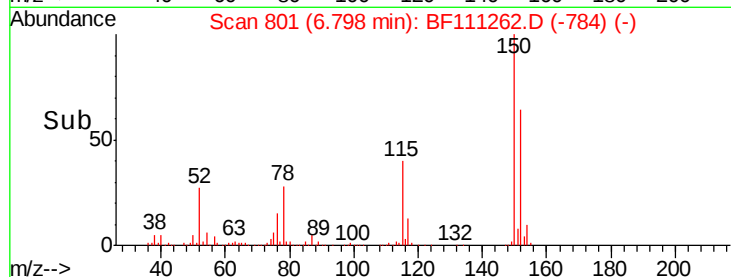
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampleId :
VNJ-218

Tgt Ion:152 Resp: 517515
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 63.0 50.7 76.1



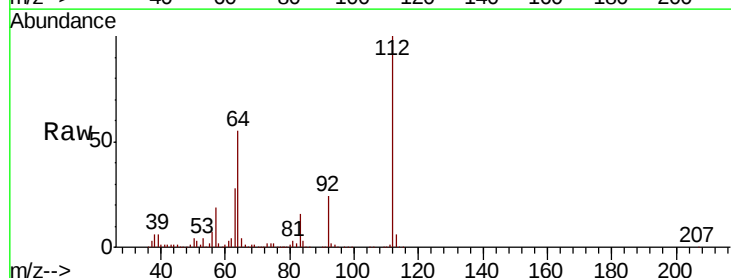
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



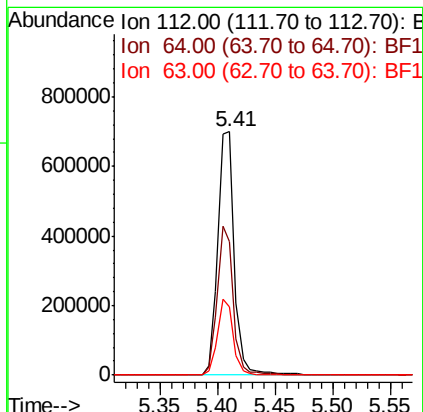
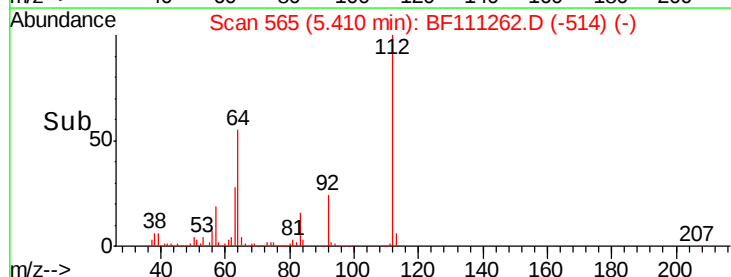
#5

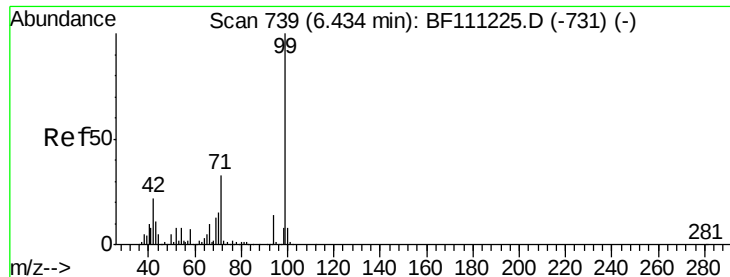
2-Fluorophenol
Concen: 21.407 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion:112 Resp: 701593
Ion Ratio Lower Upper
112 100
64 54.8 51.8 77.6
63 28.1 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.761 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

ClientSampleId :

VNJ-218

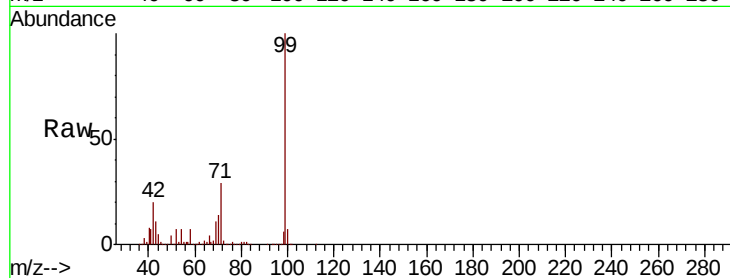
Tgt Ion: 99 Resp: 886318

Ion Ratio Lower Upper

99 100

42 19.8 17.4 26.0

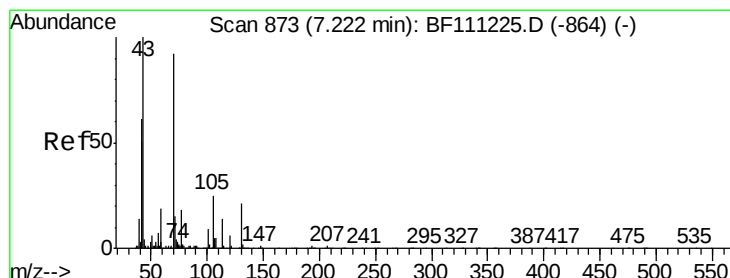
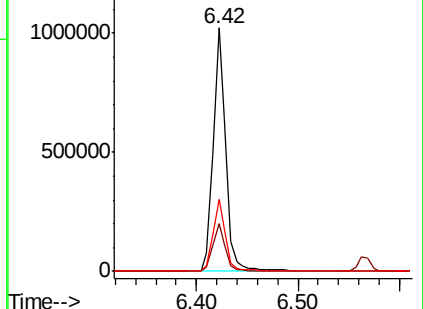
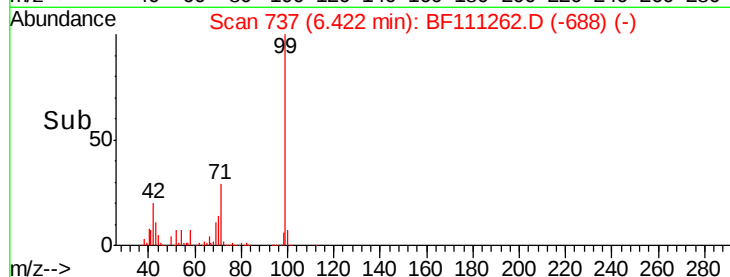
71 29.5 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.347 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Tgt Ion: 70 Resp: 64045

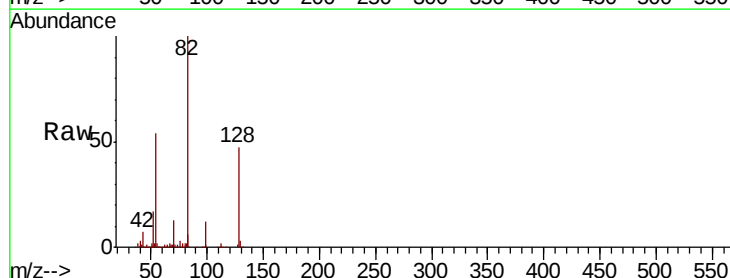
Ion Ratio Lower Upper

70 100

42 53.6 53.2 79.8

101 0.0 8.2 12.4#

130 2.3 18.1 27.1#

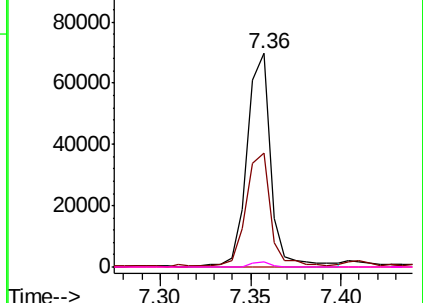
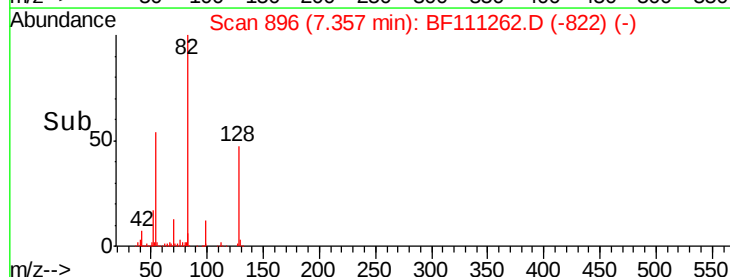


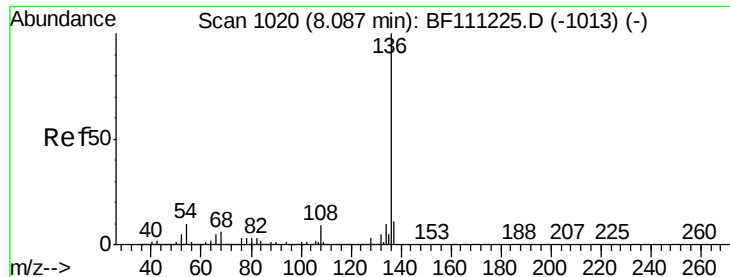
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

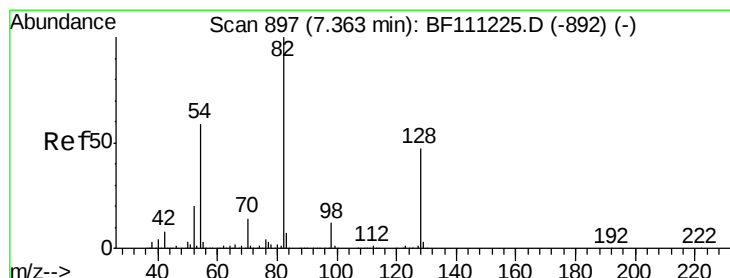
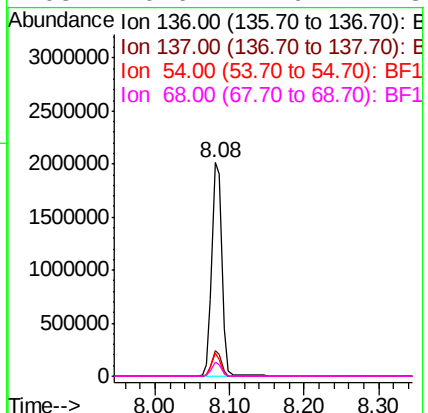
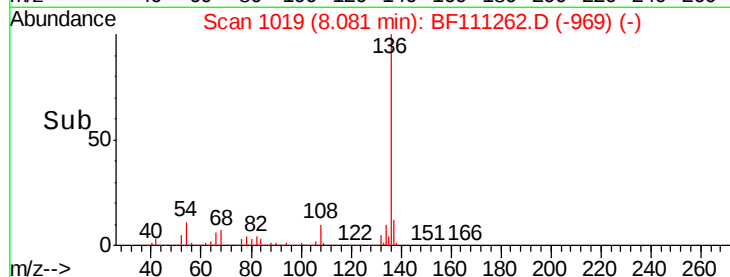
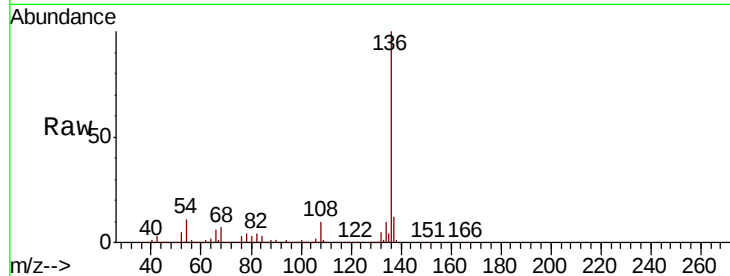




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

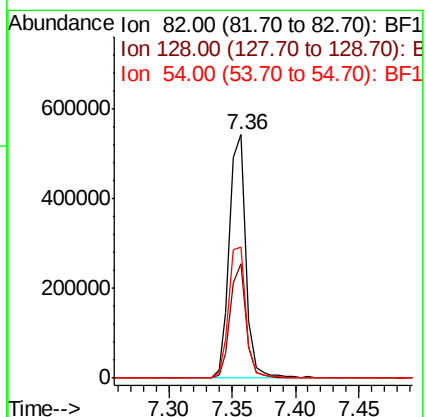
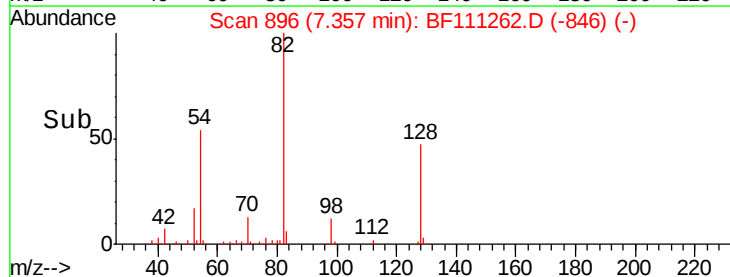
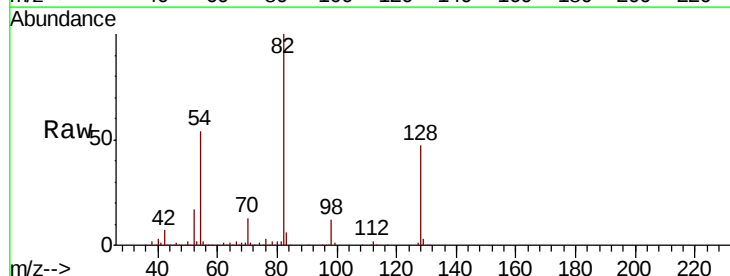
Instrument :
BNA_F
ClientSampleId :
VNJ-218

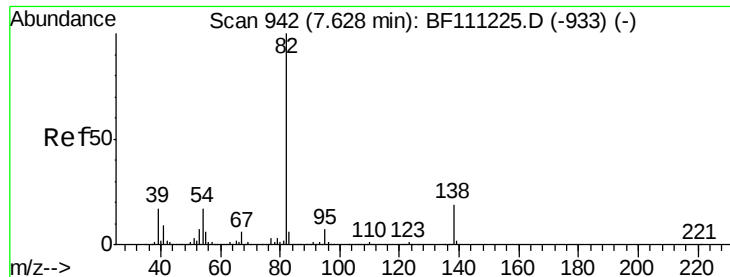
Tgt Ion:	136	Resp:	1892599
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	10.9	7.7	11.5
68	6.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 14.610 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion:	82	Resp:	492985
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.4	56.2
54	53.9	47.6	71.4





#25

Isophorone

Concen: 8.415 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

ClientSampleId :

VNJ-218

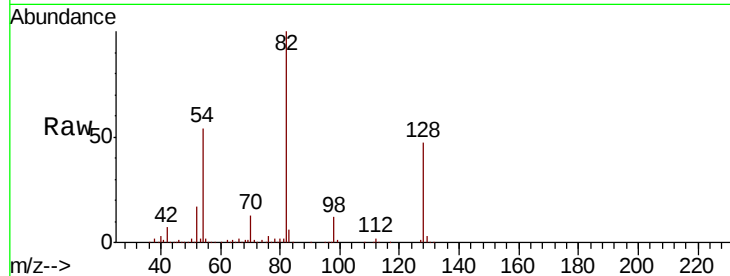
Tgt Ion: 82 Resp: 483635

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

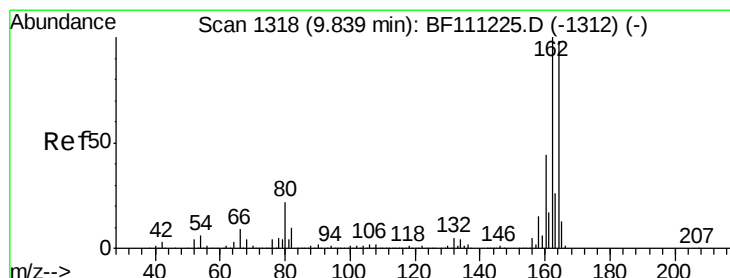
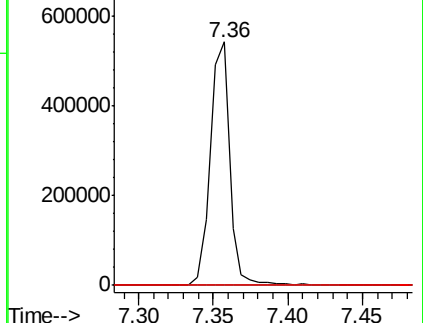
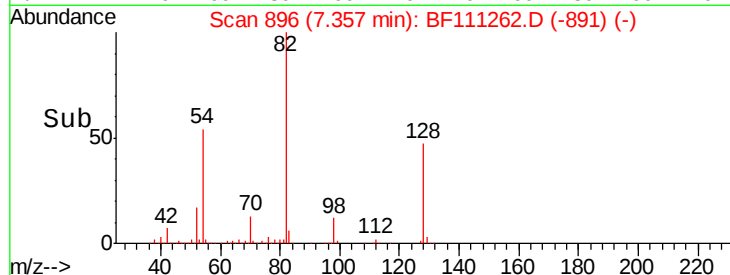
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

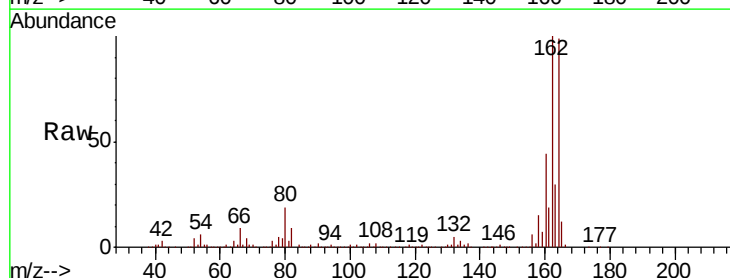
Tgt Ion: 164 Resp: 542578

Ion Ratio Lower Upper

164 100

162 101.4 81.4 122.0

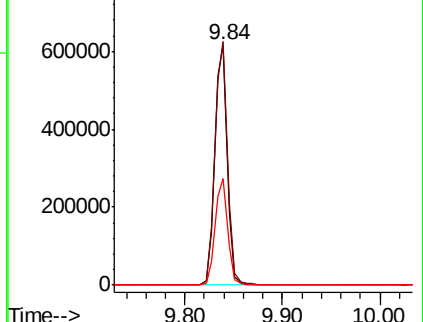
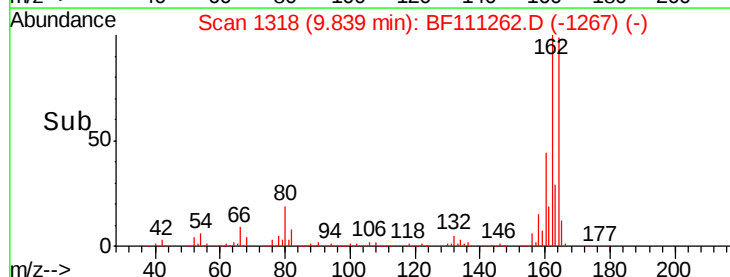
160 44.3 35.7 53.5

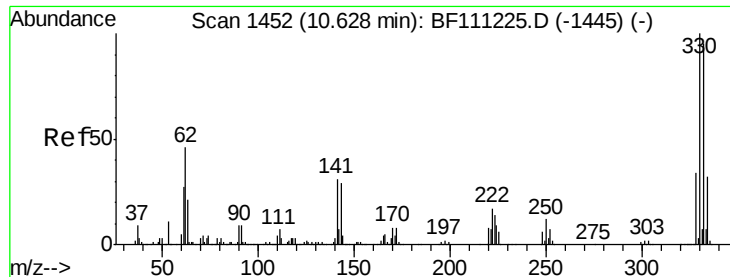


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

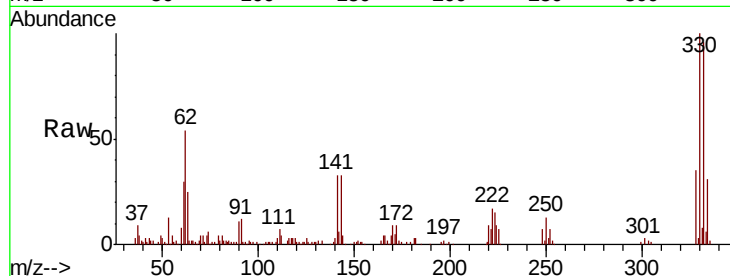




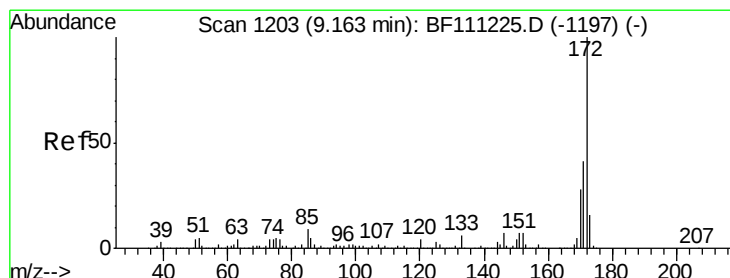
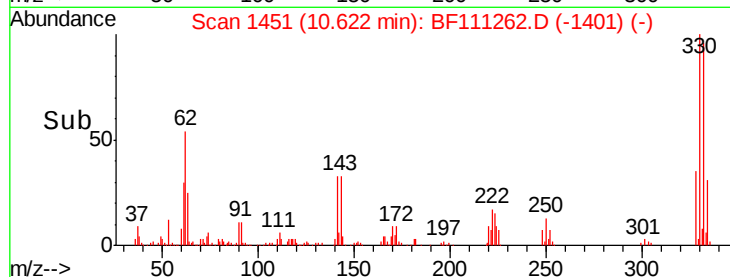
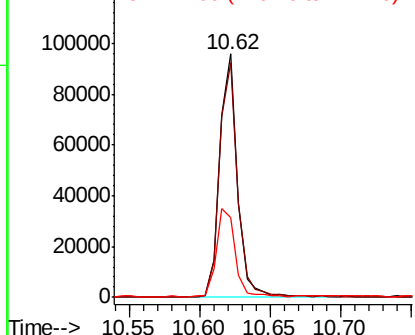
#42
 2,4,6-Tribromophenol
 Concen: 17.478 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

Tgt Ion:330 Resp: 84003
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.0 114.0
 141 39.3 31.0 46.6

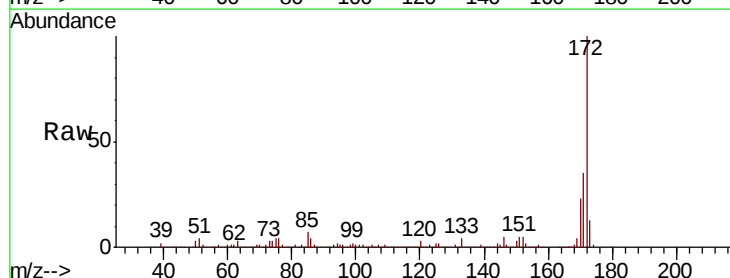


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

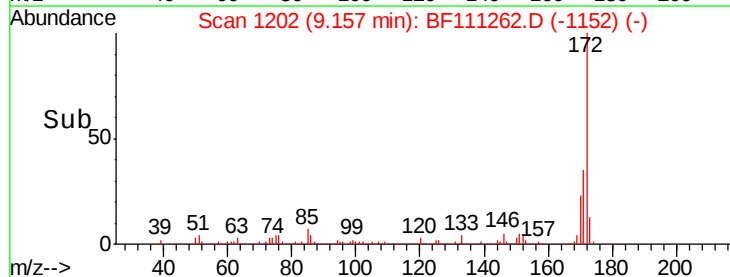
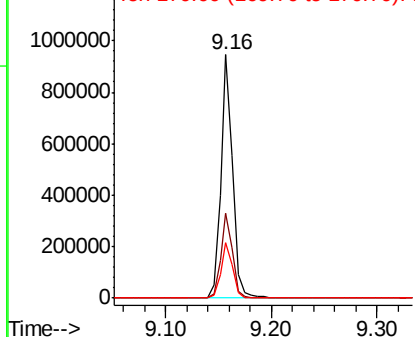


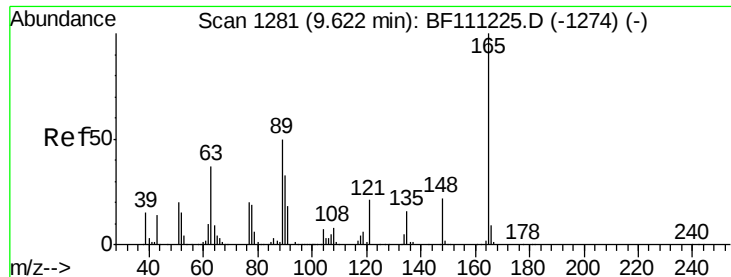
#45
 2-Fluorobiphenyl
 Concen: 16.766 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Tgt Ion:172 Resp: 747496
 Ion Ratio Lower Upper
 172 100
 171 35.0 33.0 49.4
 170 22.7 22.3 33.5



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

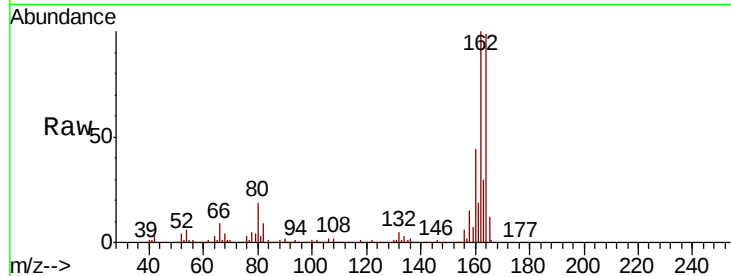




#51
2,6-Dinitrotoluene
Concen: 8.050 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.22 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Instrument :
BNA_F
ClientSampled :
VNJ-218

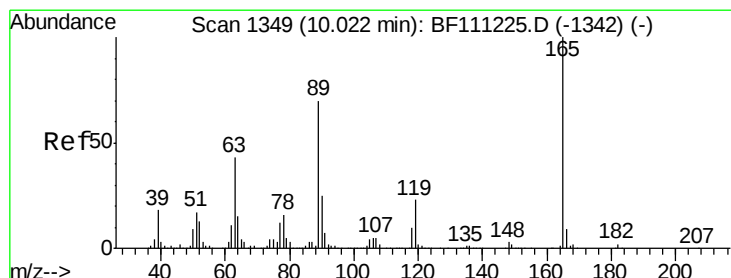
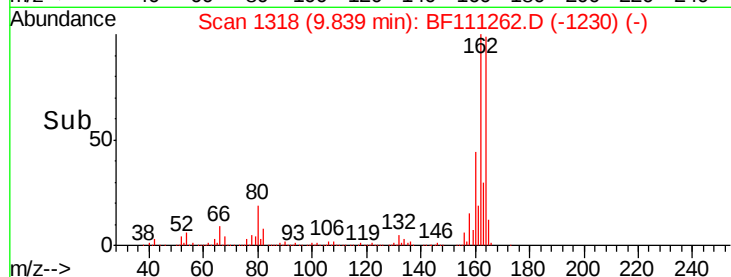
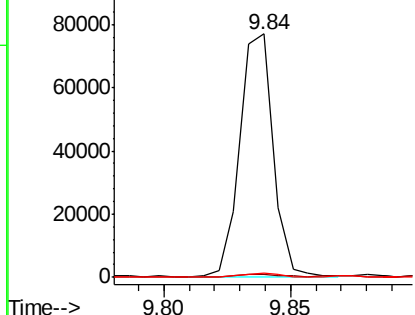
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.5	60.7#
89	1.9	40.0	60.0#



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: 6.530 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

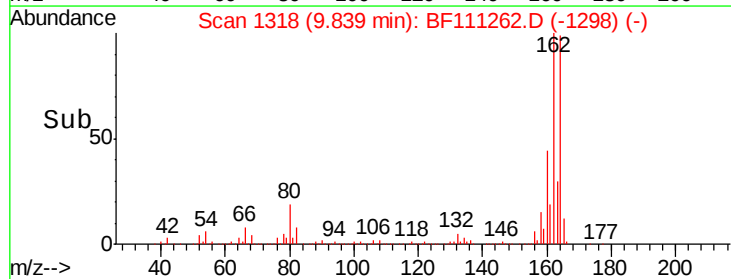
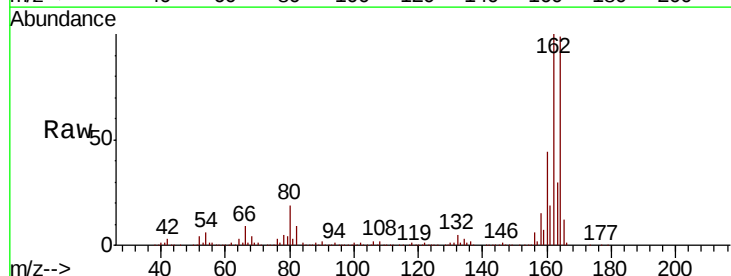
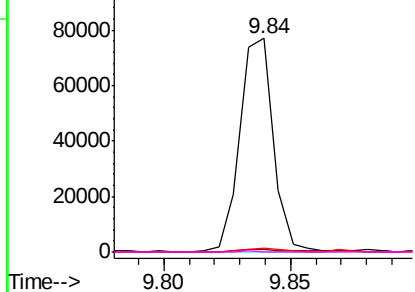
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	1.9	56.2	84.4#
182	0.0	1.8	2.6#

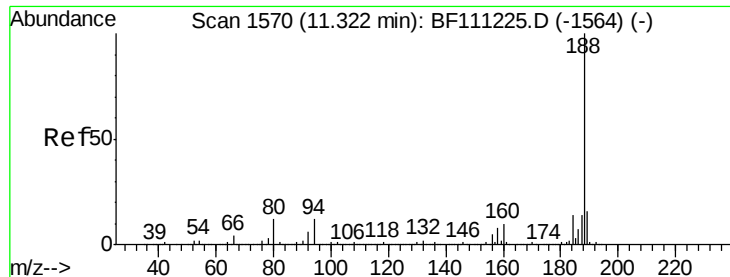
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

ClientSampled :

VNJ-218

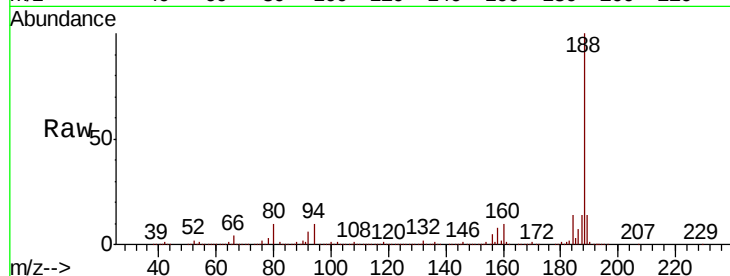
Tgt Ion:188 Resp: 930316

Ion Ratio Lower Upper

188 100

94 10.0 9.6 14.4

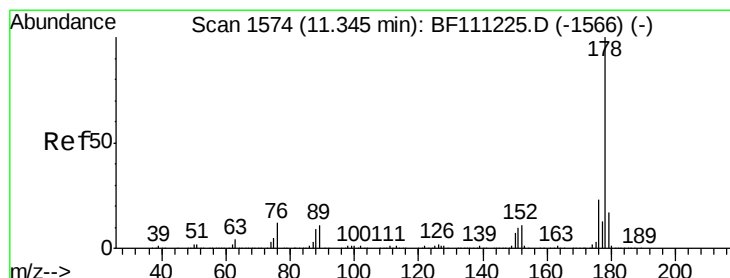
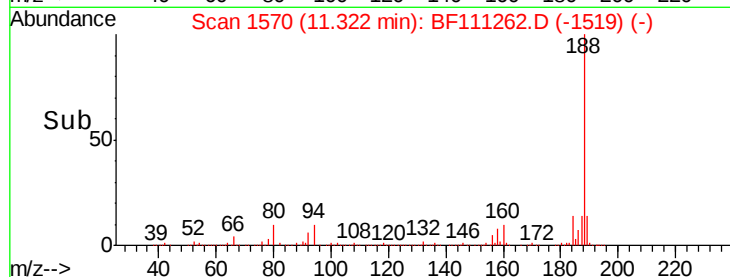
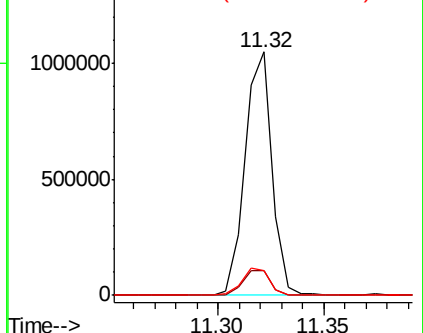
80 10.1 9.8 14.6



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



#71

Phenanthrene

Concen: 2.852 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

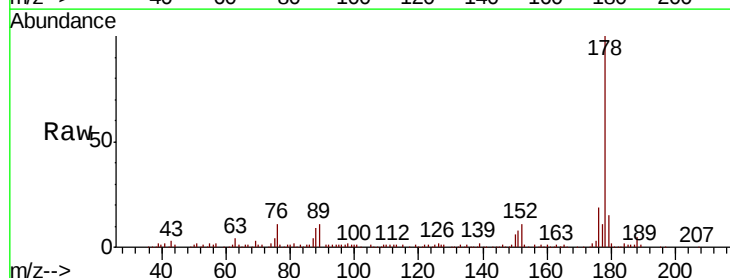
Tgt Ion:178 Resp: 133806

Ion Ratio Lower Upper

178 100

176 18.7 18.1 27.1

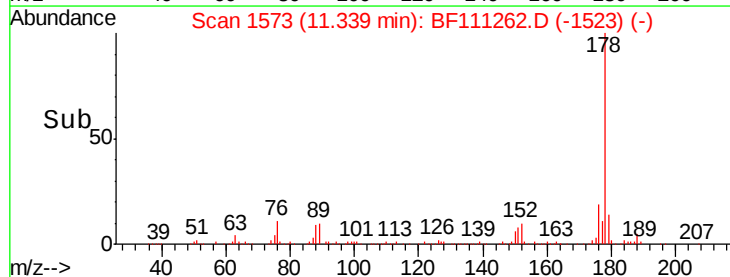
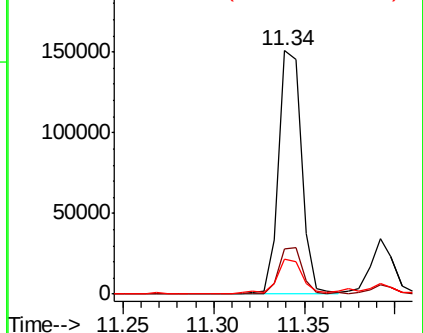
179 14.6 14.0 21.0

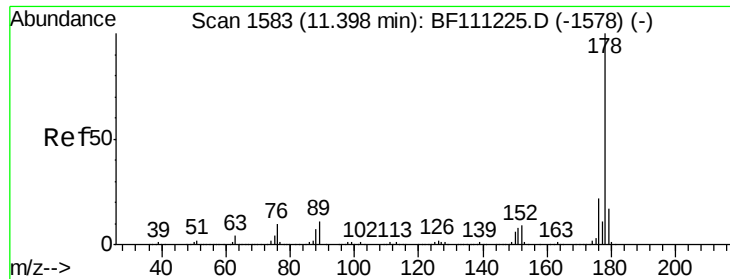


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

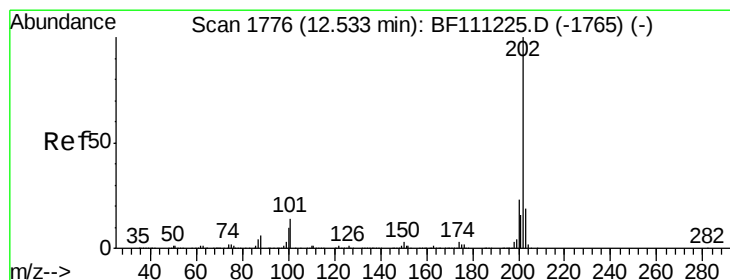
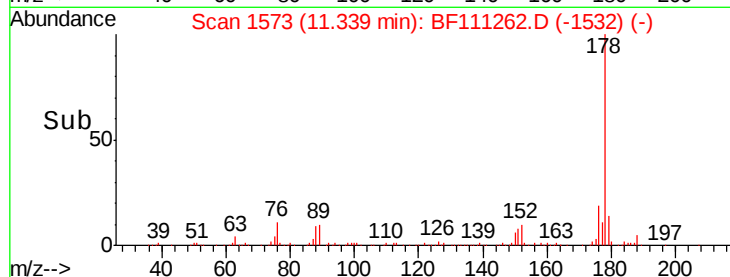
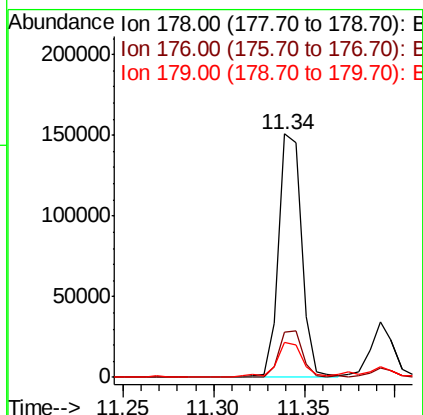
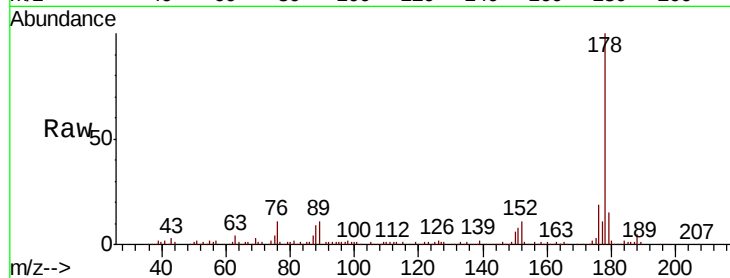




#72
 Anthracene
 Concen: 2.726 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.06 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

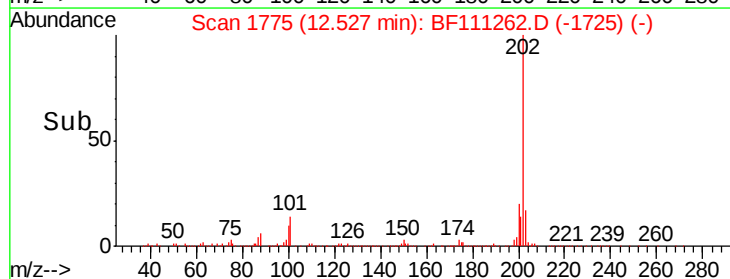
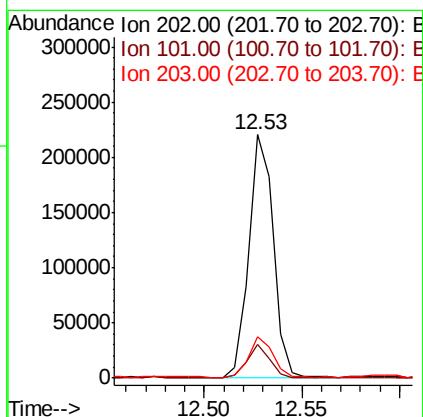
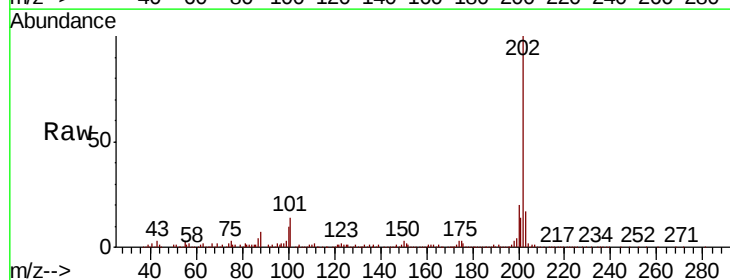
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

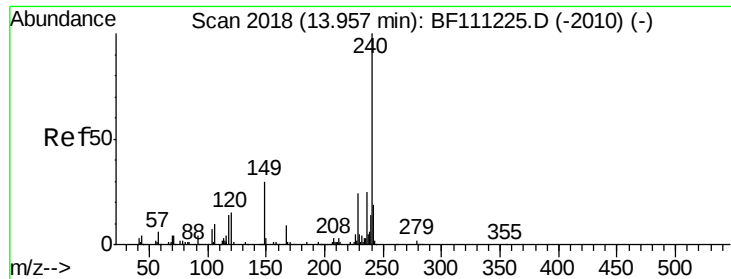
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	17.2	25.8
179	14.6	13.8	20.8



#75
 Fluoranthene
 Concen: 4.457 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.8
203	17.0	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

ClientSampleId :

VNJ-218

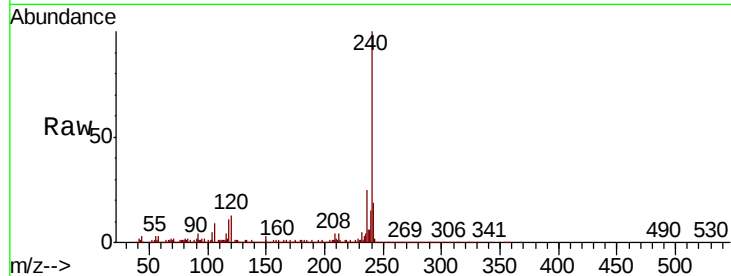
Tgt Ion:240 Resp: 638167

Ion Ratio Lower Upper

240 100

120 13.0 12.2 18.2

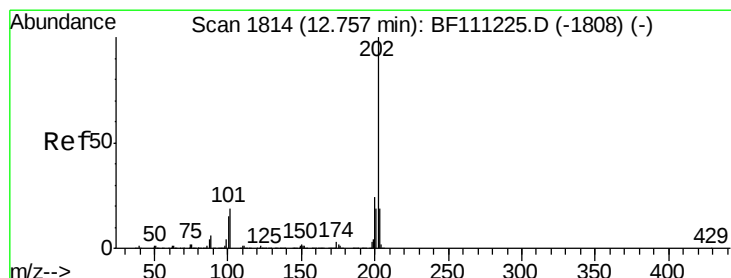
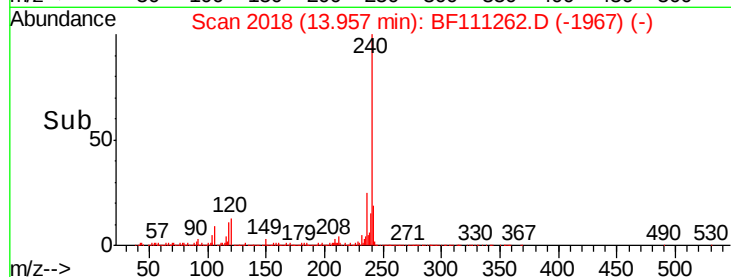
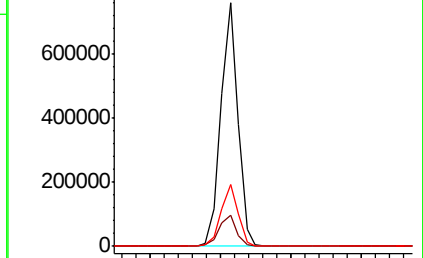
236 25.4 20.2 30.2



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

Pyrene

Concen: 3.962 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

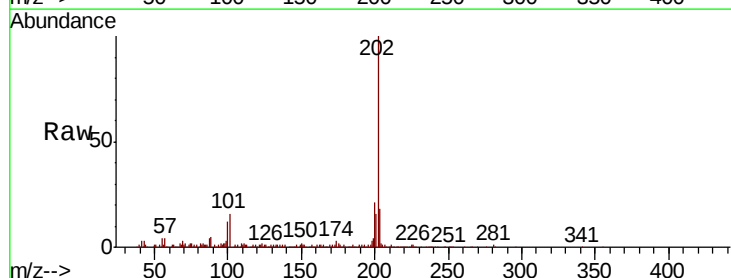
Tgt Ion:202 Resp: 180661

Ion Ratio Lower Upper

202 100

200 20.8 19.0 28.4

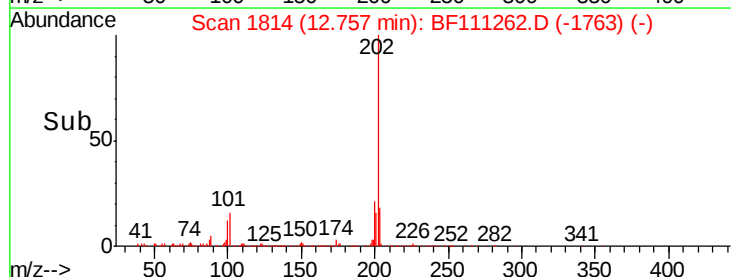
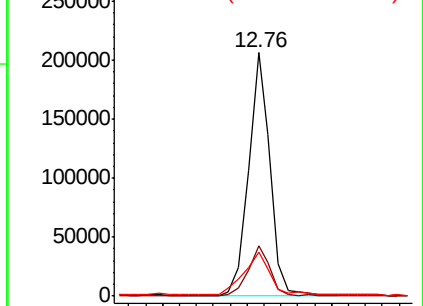
203 18.1 15.2 22.8

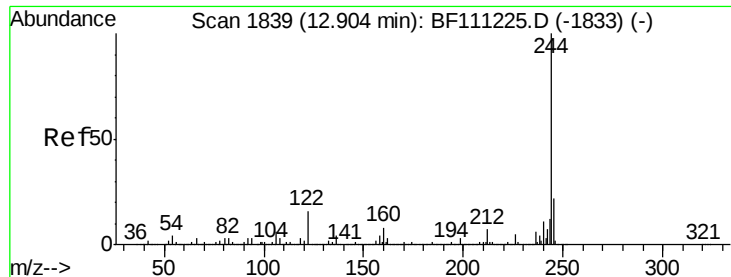


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

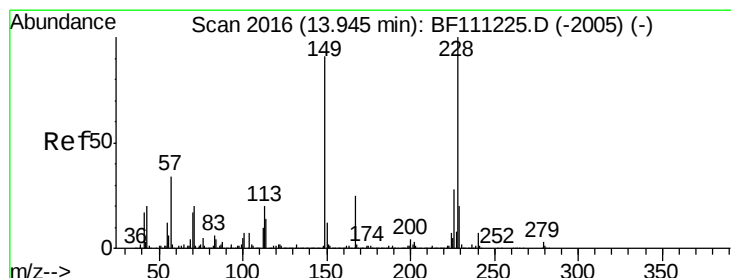
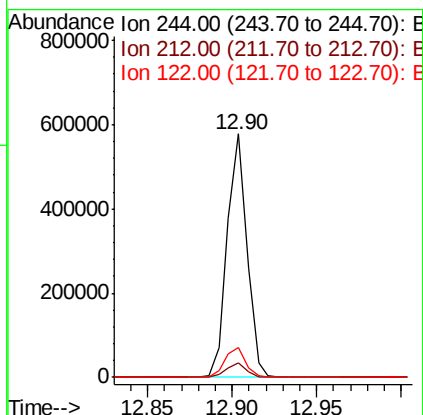
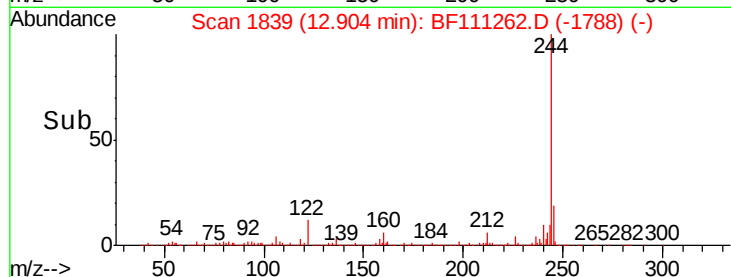
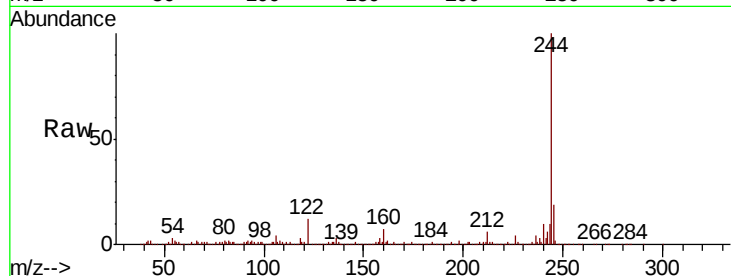




#79
 Terphenyl-d14
 Concen: 17.689 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

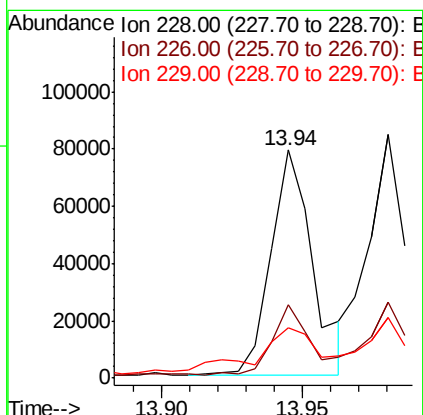
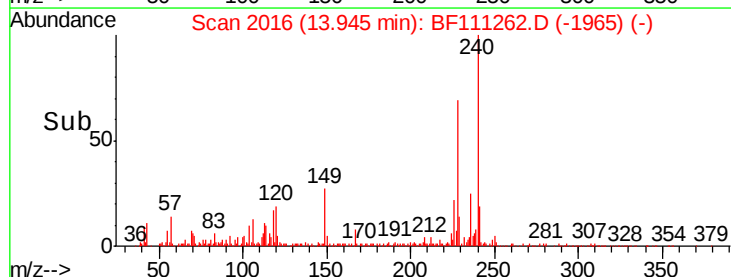
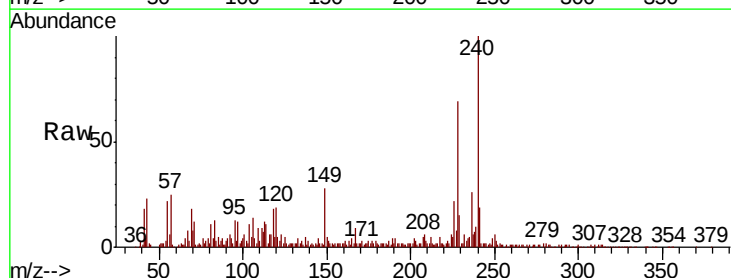
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

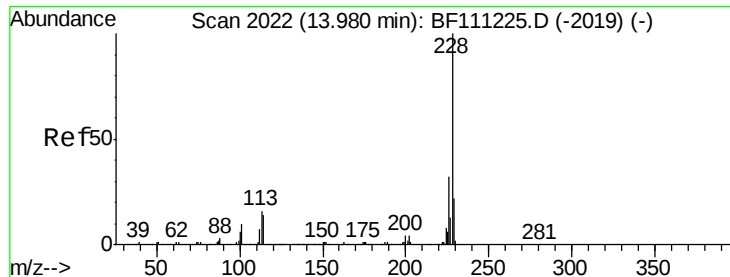
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.7	8.5
122	12.1	13.1	19.7



#81
 Benzo(a)anthracene
 Concen: 2.268 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF111262.D
 Acq: 11 Dec 2018 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	34.0
229	22.3	16.3	24.5

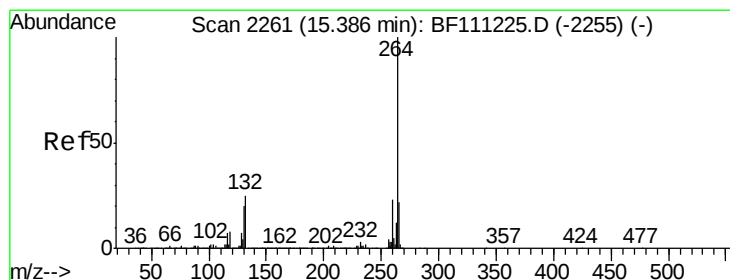
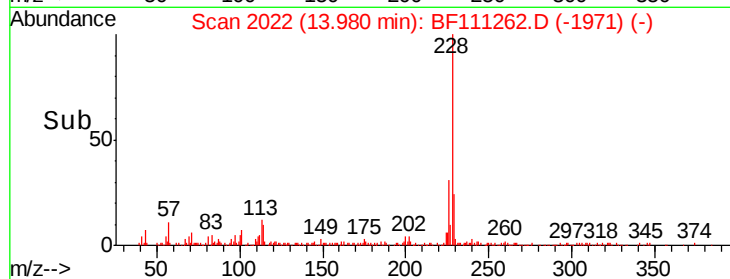
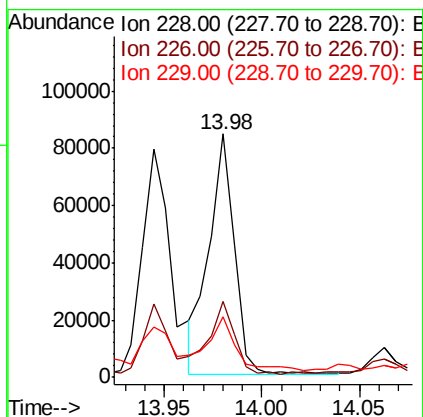
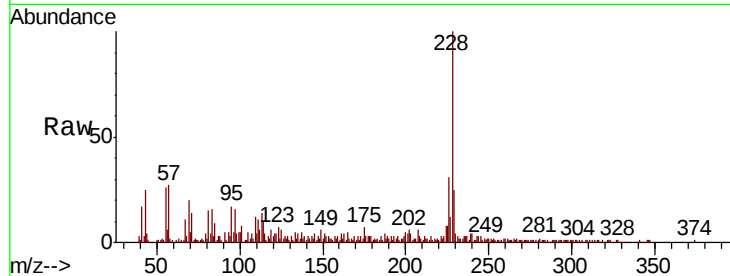




#83
Chrysene
Concen: 2.091 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

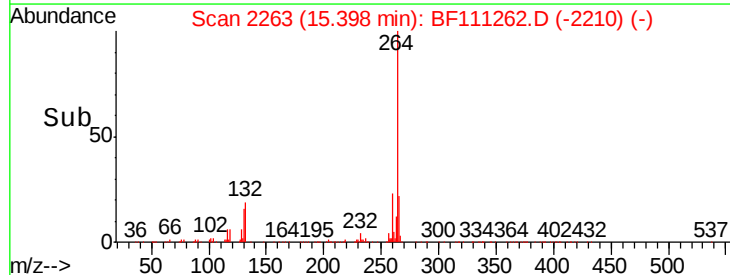
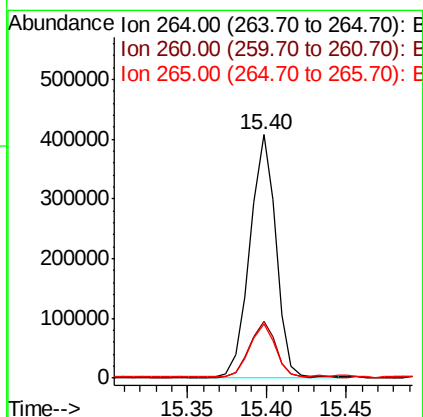
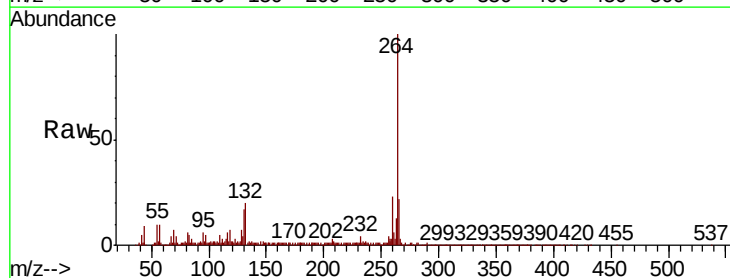
Instrument :
BNA_F
ClientSampleId :
VNJ-218

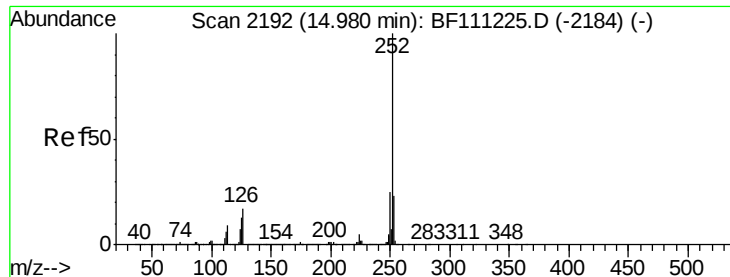
Tgt Ion:228 Resp: 76753
Ion Ratio Lower Upper
228 100
226 31.3 25.3 37.9
229 24.9 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111262.D
Acq: 11 Dec 2018 00:26

Tgt Ion:264 Resp: 463394
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 22.0 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 4.886 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

ClientSampleId :

VNJ-218

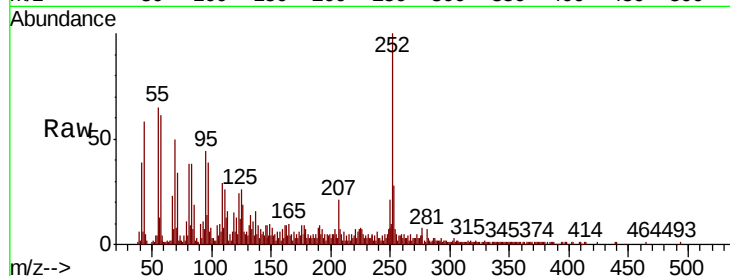
Tgt Ion:252 Resp: 125202

Ion Ratio Lower Upper

252 100

253 27.9 18.2 27.2#

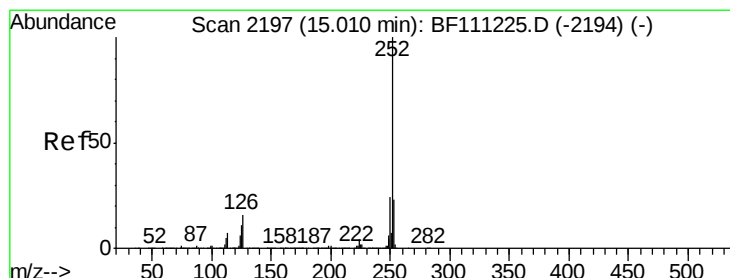
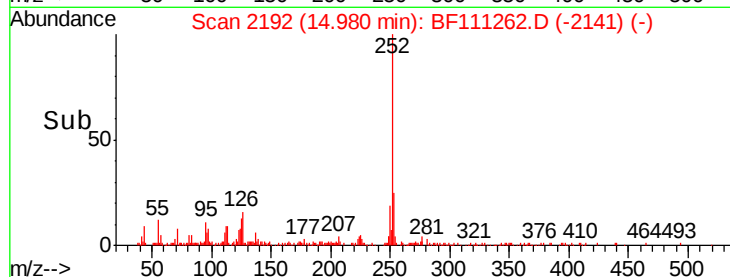
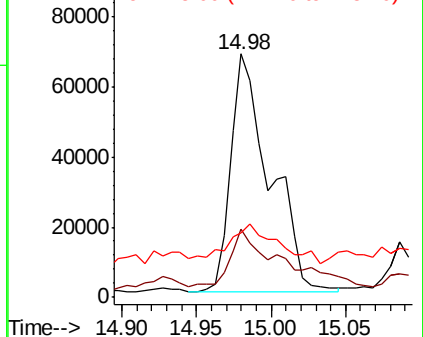
125 26.3 10.4 15.6#



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



#89

Benzo(k)fluoranthene

Concen: 5.196 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

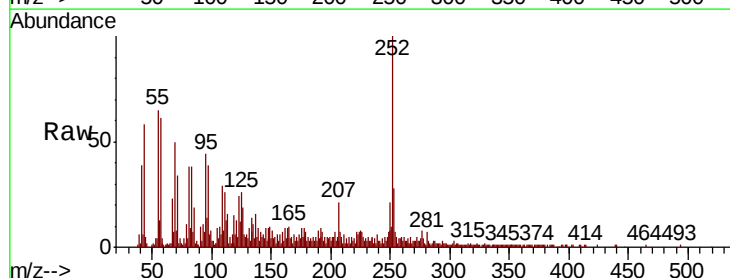
Tgt Ion:252 Resp: 125202

Ion Ratio Lower Upper

252 100

253 27.9 18.1 27.1#

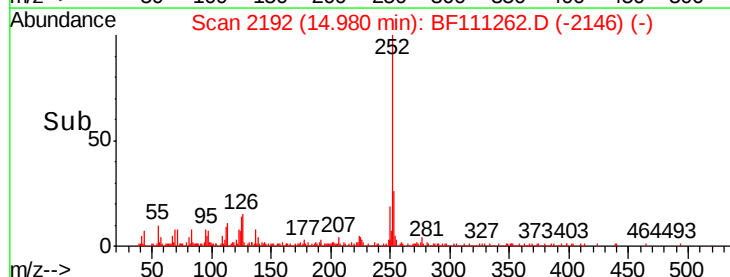
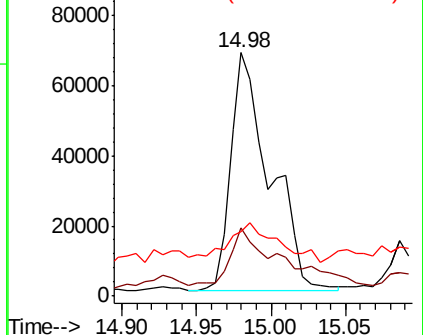
125 26.3 9.8 14.8#

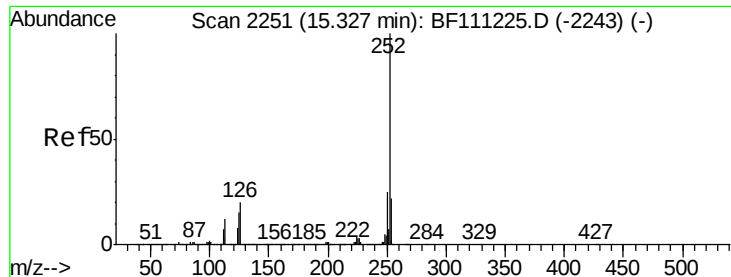


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.464 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

Instrument :

BNA_F

ClientSampleId :

VNJ-218

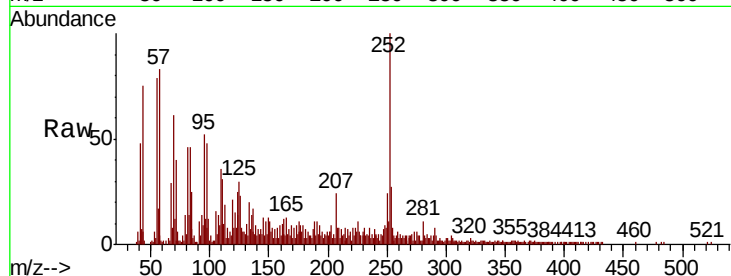
Tgt Ion:252 Resp: 58148

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

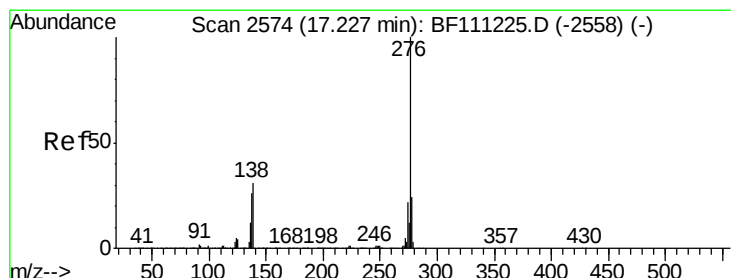
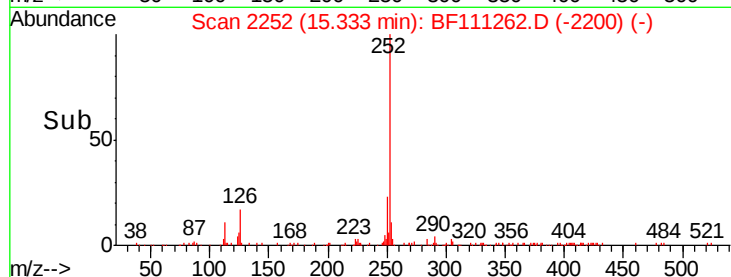
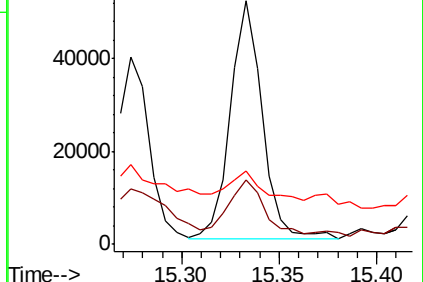
125 30.2 12.3 18.5#



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(g,h,i)perylene

Concen: 2.173 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111262.D

Acq: 11 Dec 2018 00:26

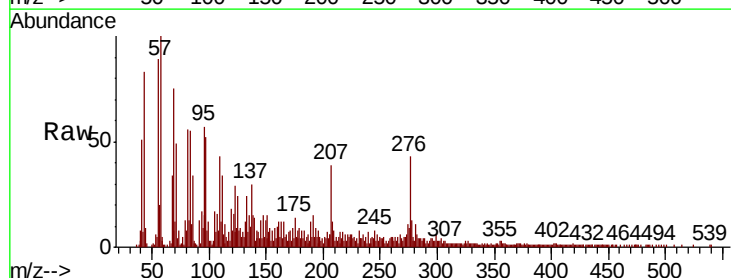
Tgt Ion:276 Resp: 40323

Ion Ratio Lower Upper

276 100

277 31.1 19.2 28.8#

138 34.5 24.9 37.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

