

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112594.D
 Acq On : 15 Feb 2019 22:21
 Operator : JU/SJ
 Sample : K1486-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Quant Time: Feb 15 23:46:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	98565	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	418854	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	202589	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	351842	20.00	ng	0.00
76) Chrysene-d12	14.02	240	243830	20.00	ng	0.00
87) Perylene-d12	15.49	264	182673	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	231910	49.98	ng	-0.01
7) Phenol-d6	6.48	99	300168	46.55	ng	-0.01
23) Nitrobenzene-d5	7.39	82	194788	26.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	91648	38.87	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	404201	28.22	ng	-0.02
79) Terphenyl-d14	12.94	244	329596	25.46	ng	-0.01

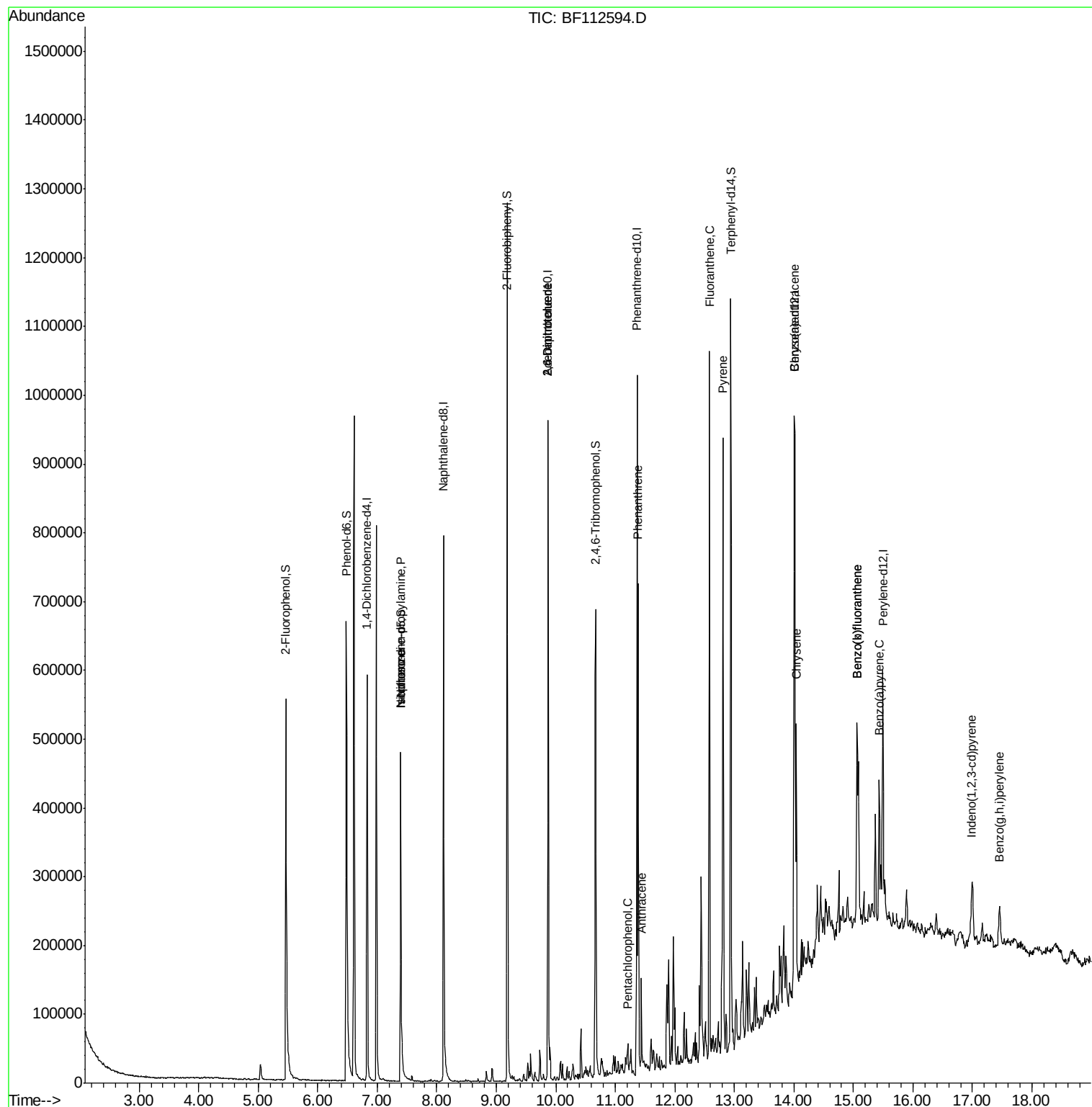
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	25659	5.771	ng	# 75
25) Isophorone	7.39	82	194787	17.081	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	26992	7.657	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	26992	6.014	ng	# 32
70) Pentachlorophenol	11.20	266	4317	2.499	ng	92
71) Phenanthrene	11.39	178	242491	13.257	ng	97
72) Anthracene	11.44	178	56038	3.075	ng	99
75) Fluoranthene	12.58	202	377035	19.218	ng	98
78) Pyrene	12.81	202	342347	20.280	ng	97
81) Benzo(a)anthracene	14.00	228	152096	10.611	ng	98
83) Chrysene	14.04	228	146936	10.739	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	50870	4.692	ng	# 91
88) Benzo(b)fluoranthene	15.06	252	205381	18.800	ng	98
89) Benzo(k)fluoranthene	15.06	252	205381	19.627	ng	99
90) Benzo(a)pyrene	15.43	252	102791	10.457	ng	# 98
92) Benzo(g,h,i)perylene	17.45	276	48834	6.534	ng	96

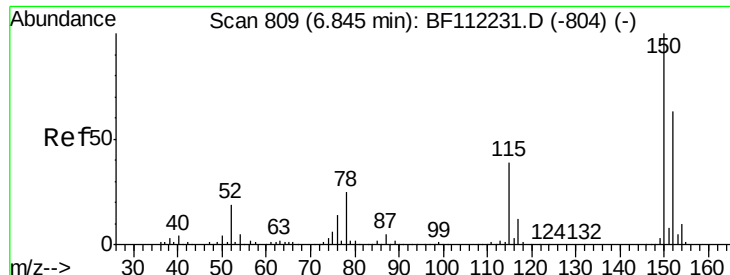
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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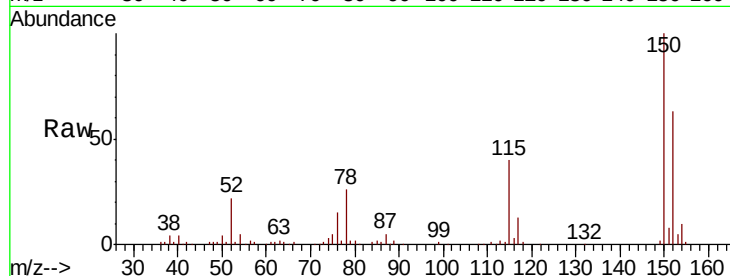


#1

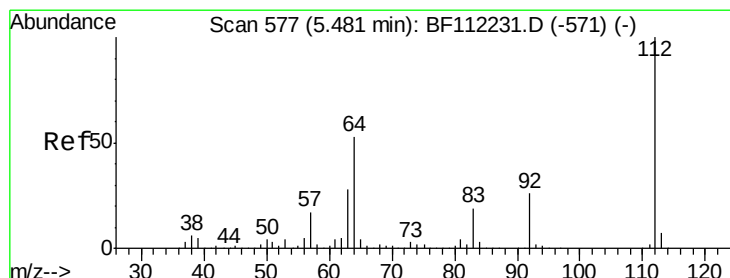
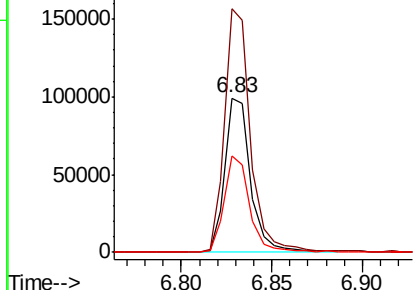
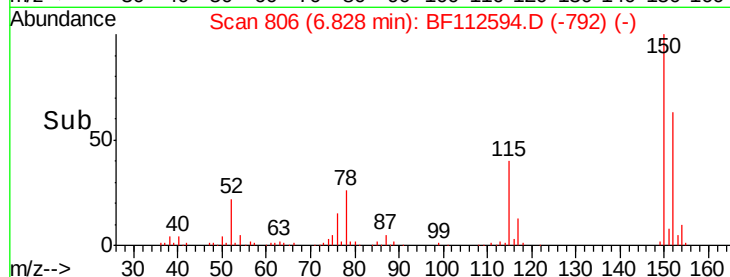
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Tgt Ion:152 Resp: 98565
 Ion Ratio Lower Upper
 152 100
 150 157.7 127.4 191.0
 115 62.9 45.5 68.3



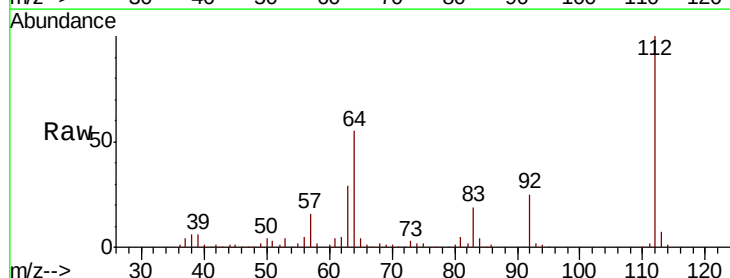
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



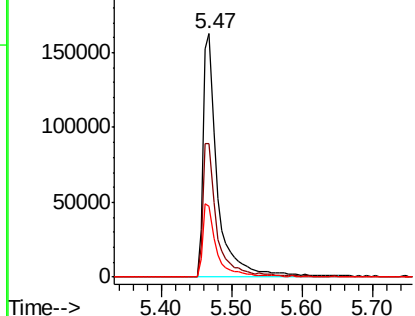
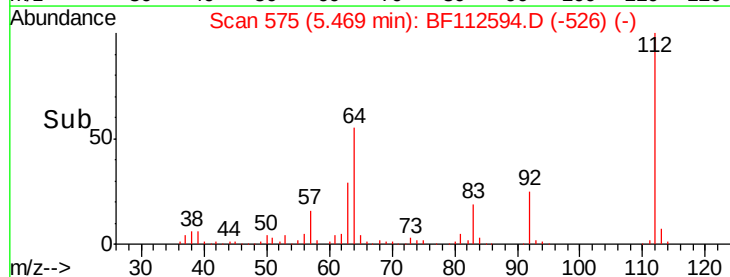
#5

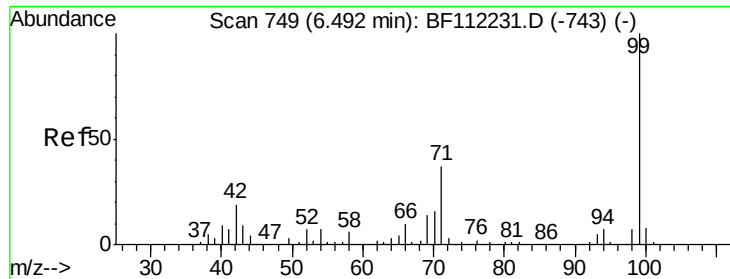
2-Fluorophenol
 Concen: 49.976 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Tgt Ion:112 Resp: 231910
 Ion Ratio Lower Upper
 112 100
 64 55.1 45.7 68.5
 63 29.2 23.6 35.4



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: 46.552 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

ClientSampleId :

VNJ-227

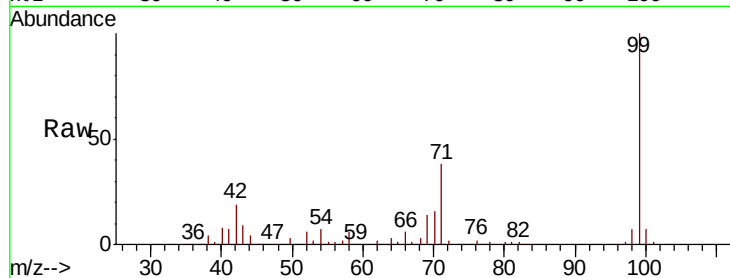
Tgt Ion: 99 Resp: 300168

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

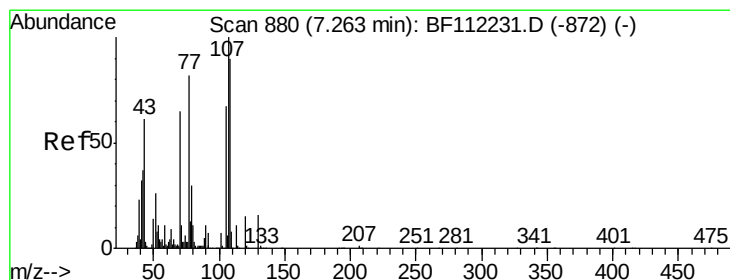
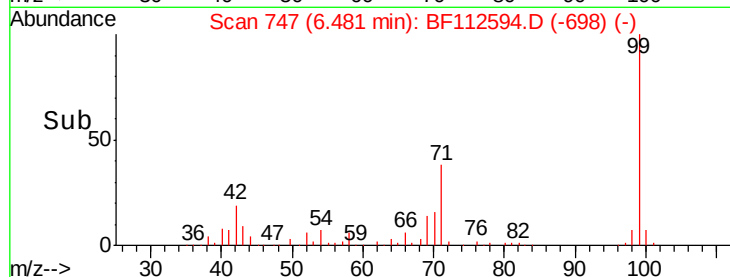
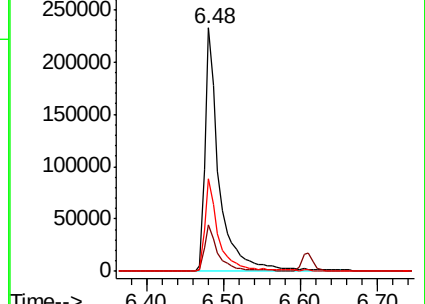
71 38.0 26.9 40.3



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: 5.771 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion: 70 Resp: 25659

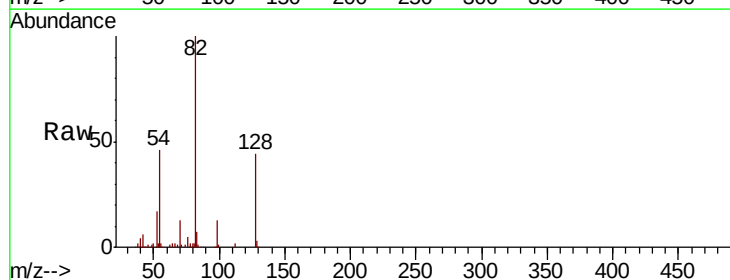
Ion Ratio Lower Upper

70 100

42 45.2 47.6 71.4#

101 0.0 7.9 11.9#

130 3.2 18.4 27.6#

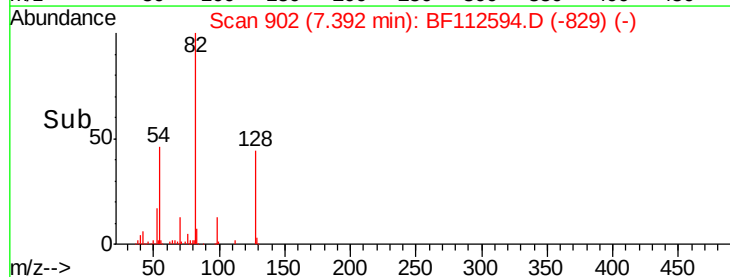
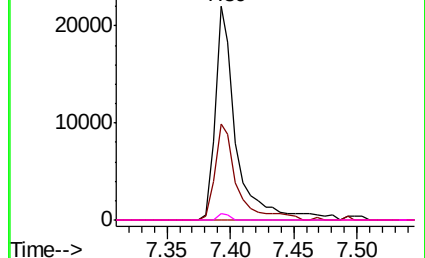


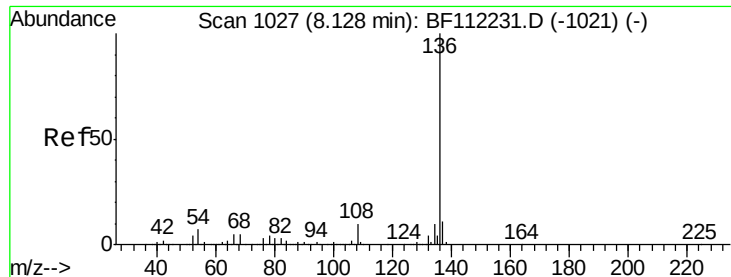
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

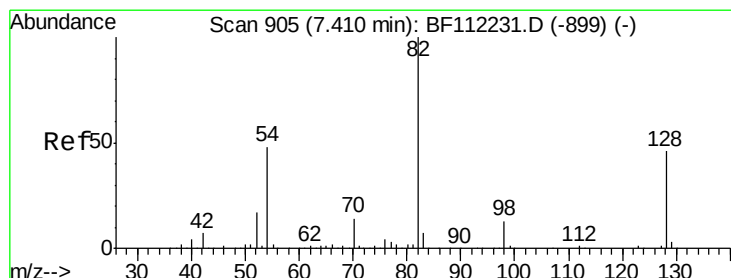
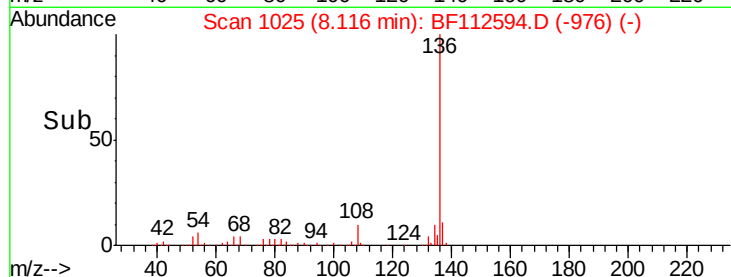
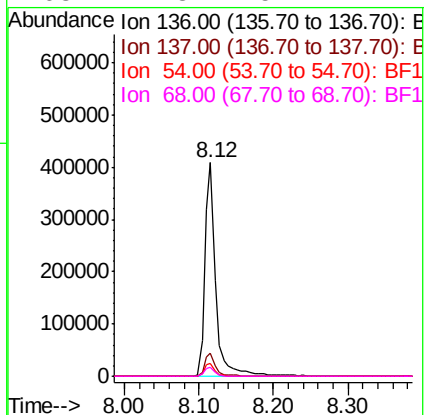
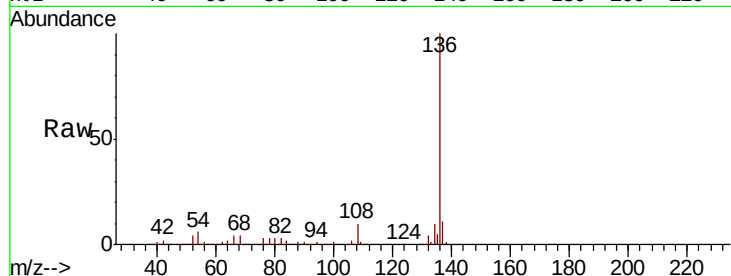




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

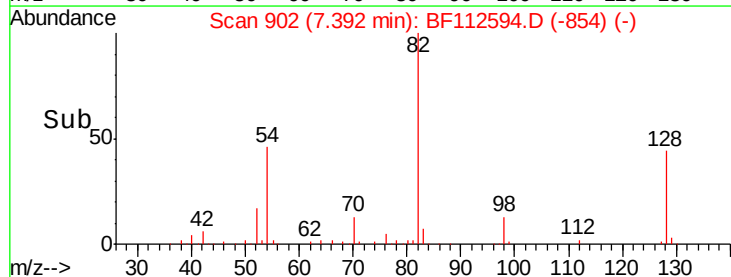
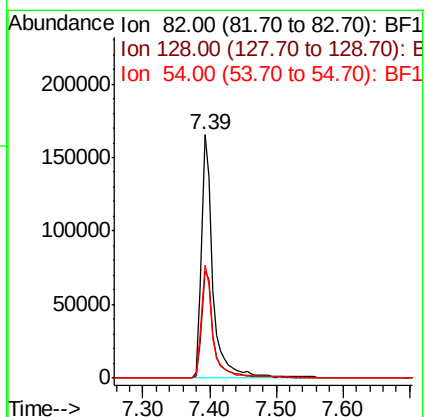
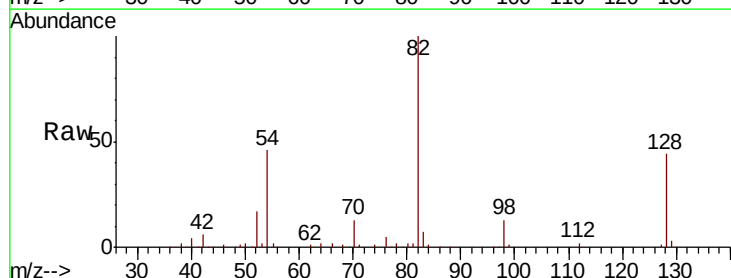
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VNJ-227

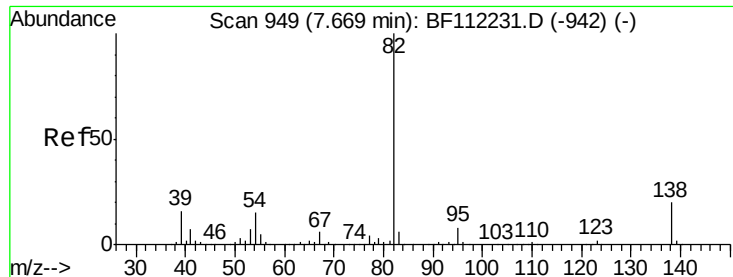
Tgt Ion:	136	Resp:	418854
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.8	5.9	8.9#
68	4.3	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 26.796 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion:	82	Resp:	194788
Ion	Ratio	Lower	Upper
82	100		
128	43.7	37.8	56.8
54	46.3	39.7	59.5





#25

Isophorone

Concen: 17.081 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

ClientSampleId :

VNJ-227

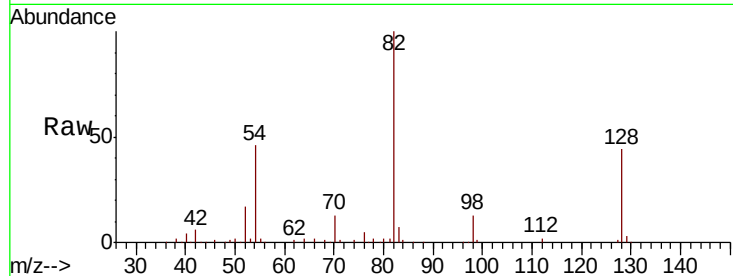
Tgt Ion: 82 Resp: 194787

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

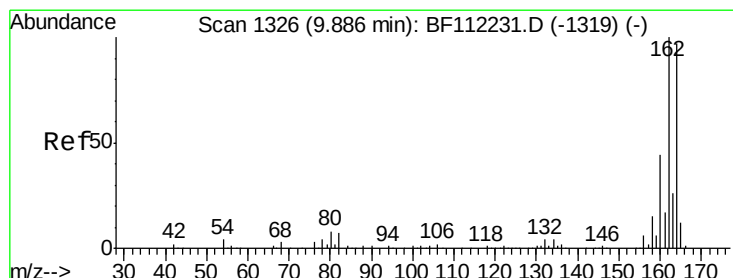
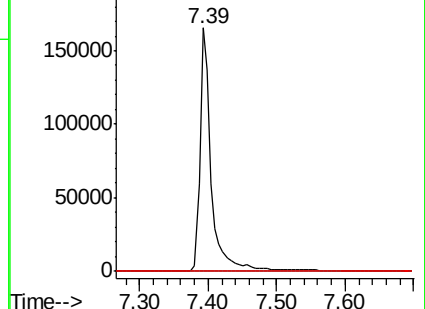
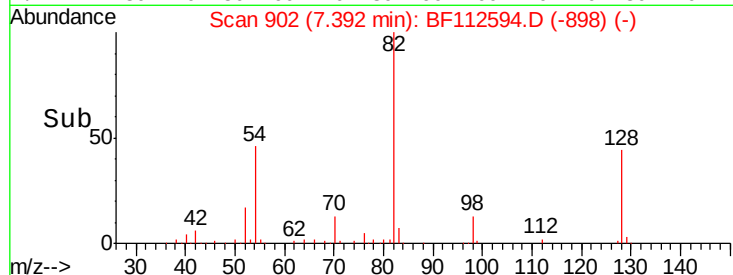
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

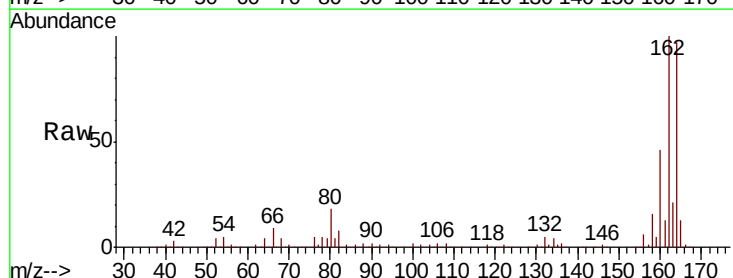
Tgt Ion: 164 Resp: 202589

Ion Ratio Lower Upper

164 100

162 103.0 82.2 123.4

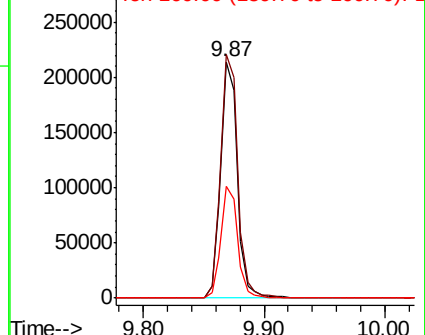
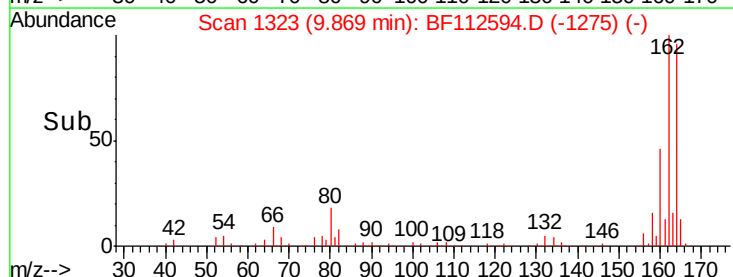
160 47.5 36.2 54.4

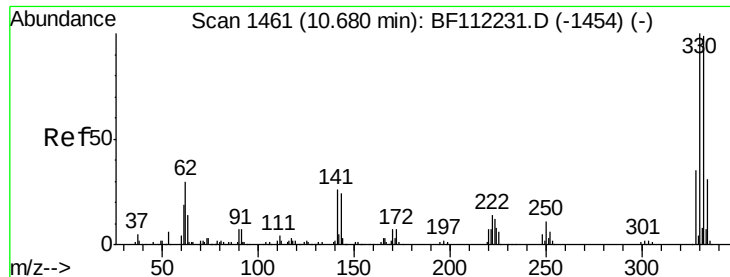


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 38.866 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

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ClientSampleId :

VNJ-227

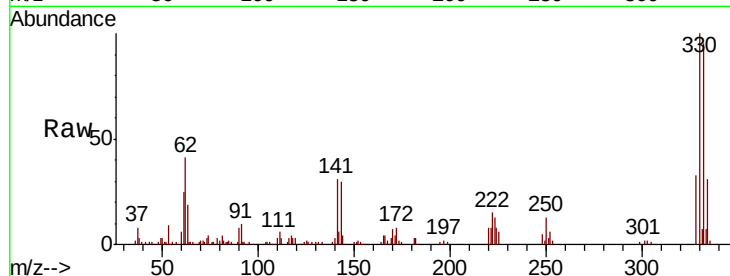
Tgt Ion:330 Resp: 91648

Ion Ratio Lower Upper

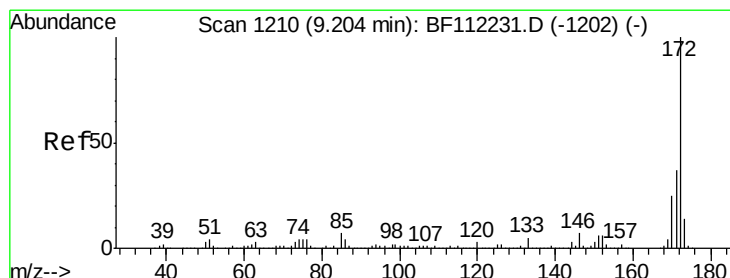
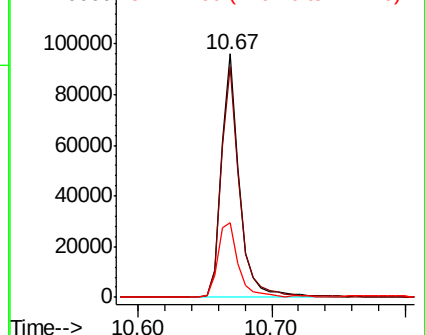
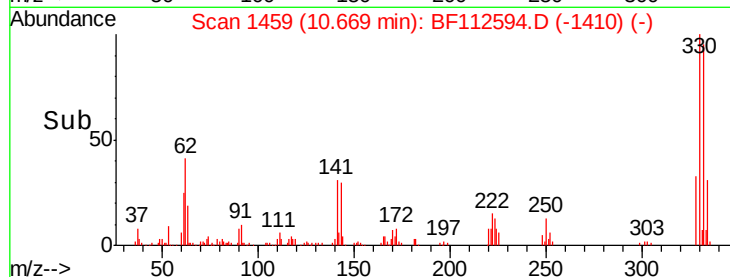
330 100

332 97.2 76.6 114.8

141 35.6 24.3 36.5



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: 28.219 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

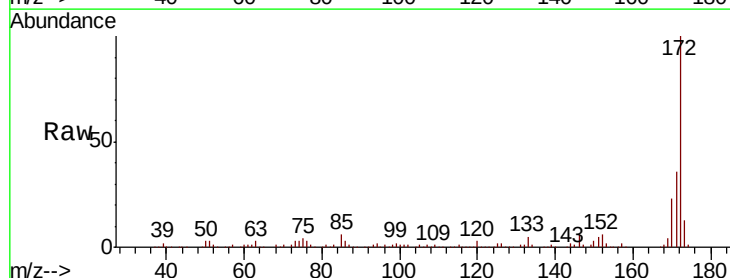
Tgt Ion:172 Resp: 404201

Ion Ratio Lower Upper

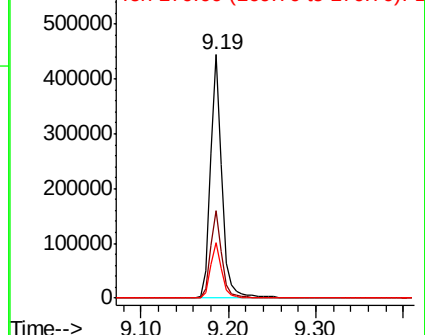
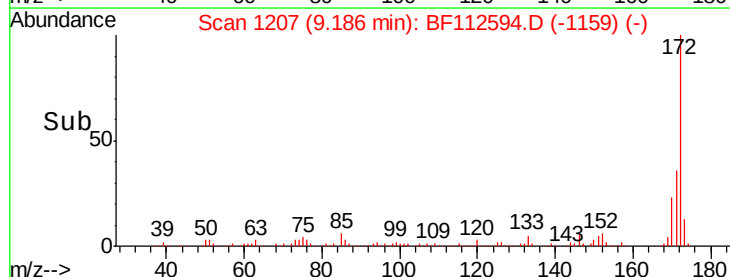
172 100

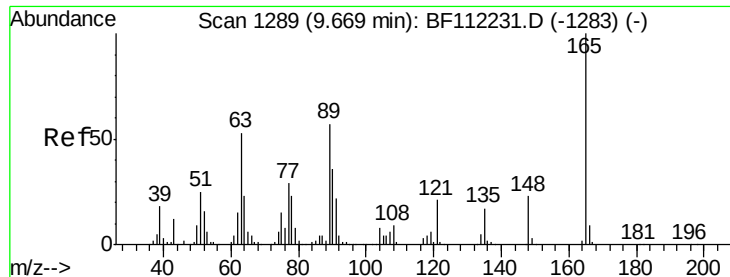
171 35.9 30.5 45.7

170 22.7 20.2 30.4



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

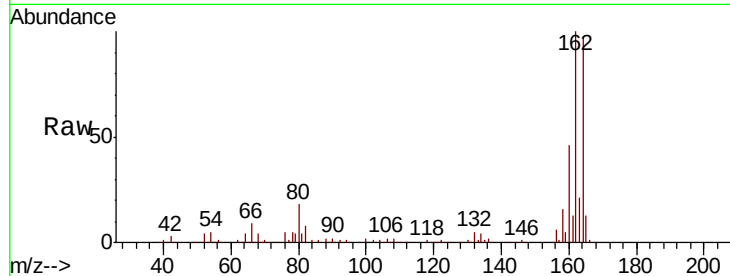




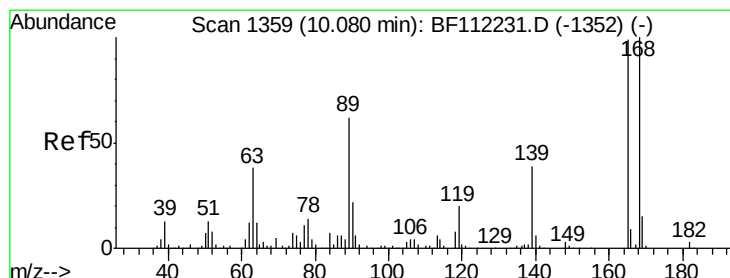
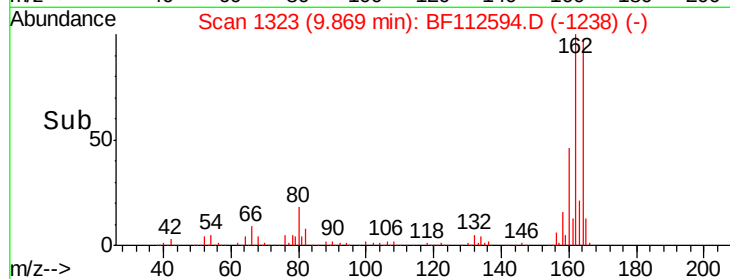
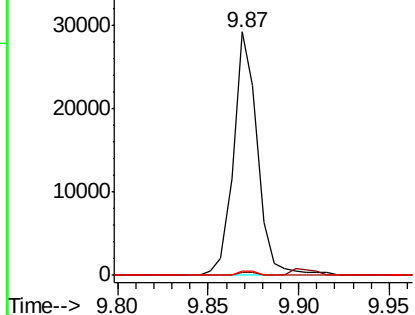
#51
 2,6-Dinitrotoluene
 Concen: 7.657 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Instrument :
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 VNJ-227

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	26992		
63	1.5	33.8	50.8#	
89	1.7	36.9	55.3#	

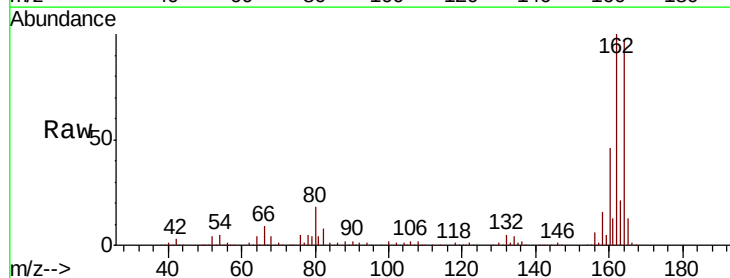


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

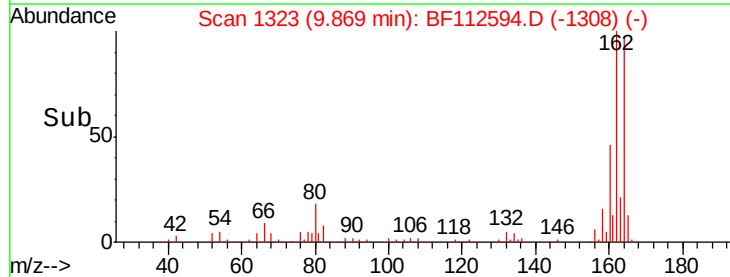
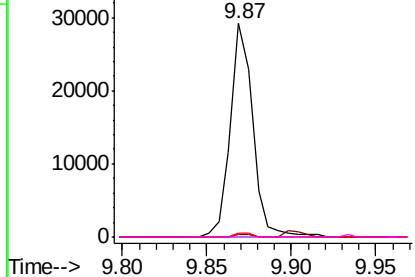


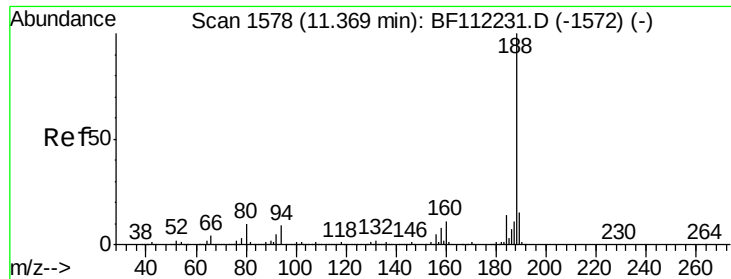
#57
 2,4-Dinitrotoluene
 Concen: 6.014 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	26992		
63	1.5	27.9	41.9#	
89	1.7	47.9	71.9#	
182	0.0	2.2	3.4#	



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

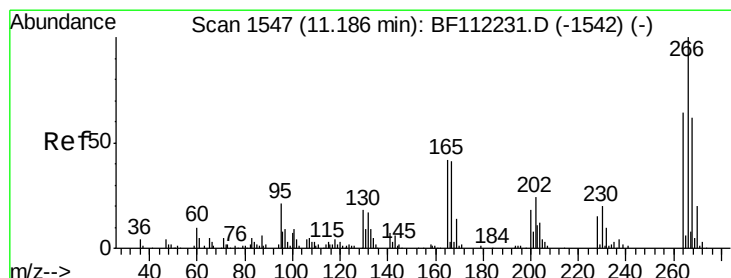
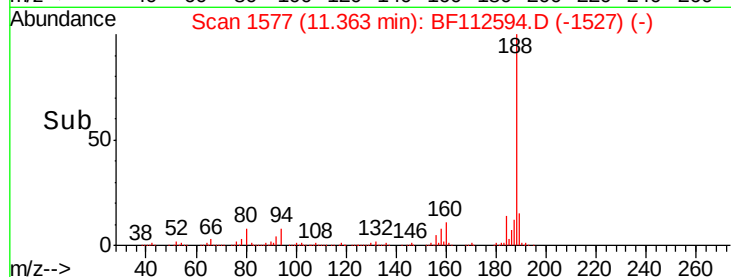
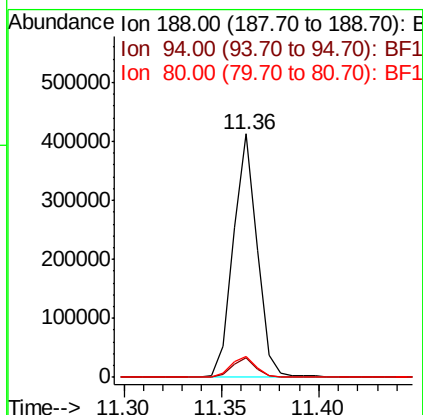
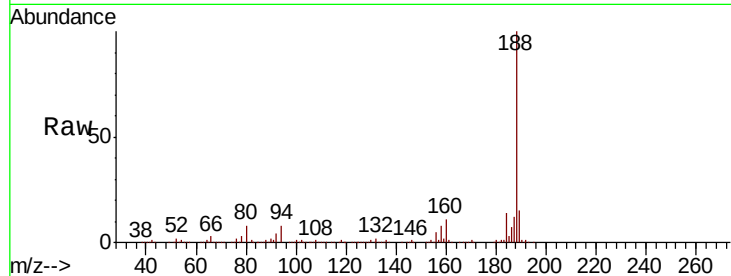




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

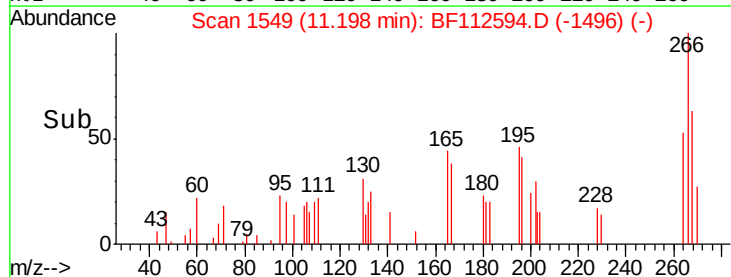
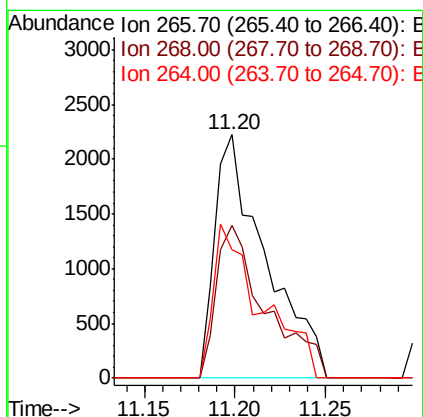
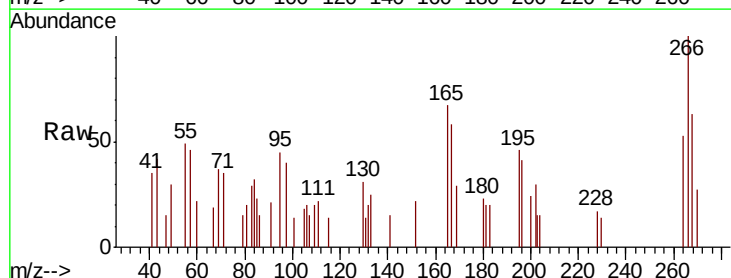
Instrument :
BNA_F
ClientSampled :
VNJ-227

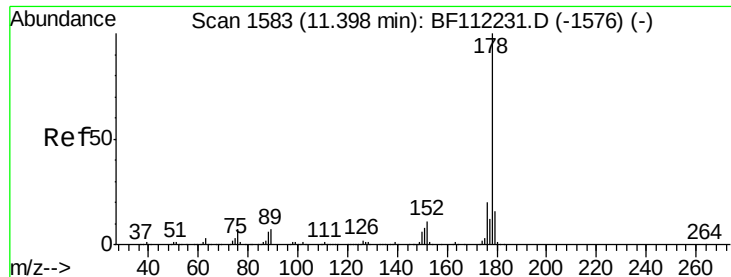
Tgt Ion:188 Resp: 351842
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.2#
80 8.5 8.9 13.3#



#70
Pentachlorophenol
Concen: 2.499 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion:266 Resp: 4317
Ion Ratio Lower Upper
266 100
268 62.7 51.2 76.8
264 52.7 50.9 76.3





#71

Phenanthrene

Concen: 13.257 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

ClientSampleId :

VNJ-227

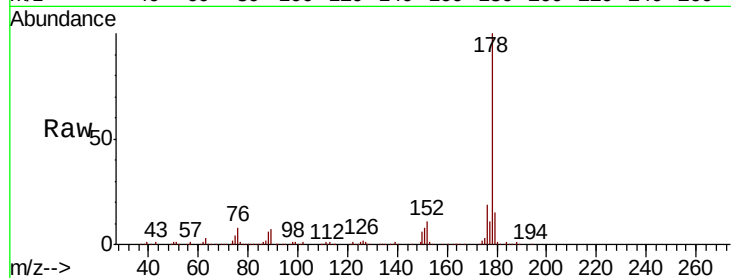
Tgt Ion:178 Resp: 242491

Ion Ratio Lower Upper

178 100

176 18.9 16.3 24.5

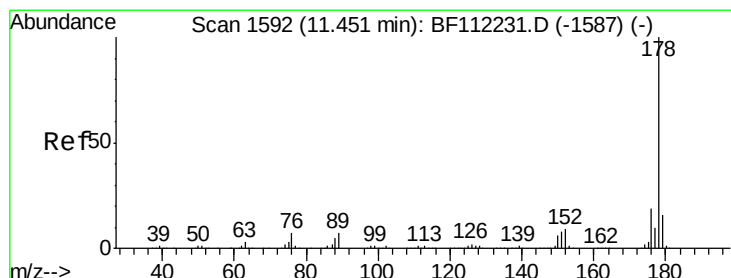
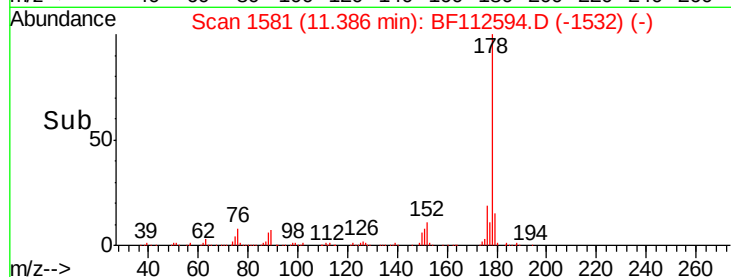
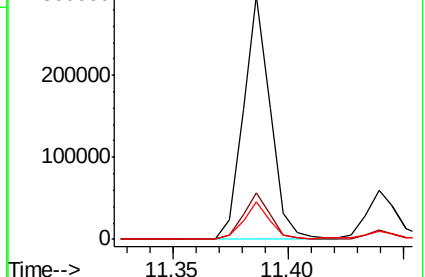
179 15.3 13.0 19.4



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: 3.075 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

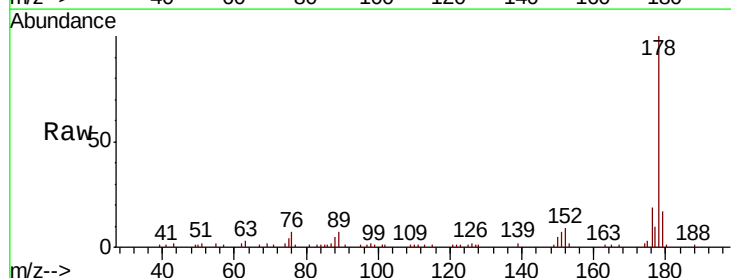
Tgt Ion:178 Resp: 56038

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

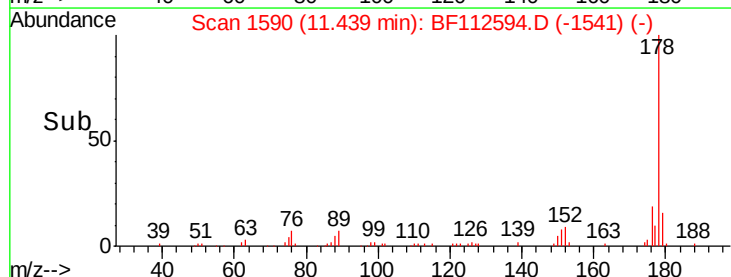
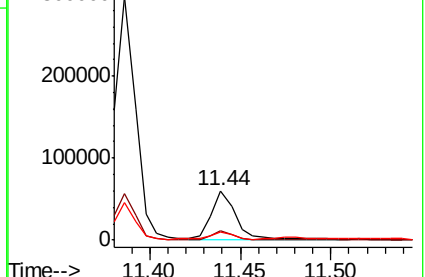
179 16.7 12.8 19.2

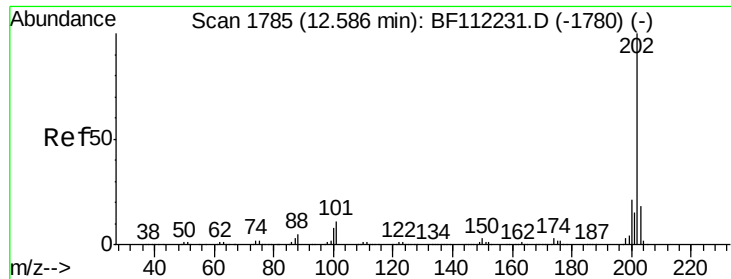


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 19.218 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

ClientSampleId :

VNJ-227

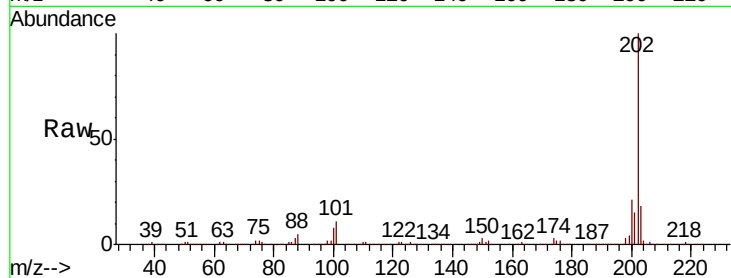
Tgt Ion:202 Resp: 377035

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.8

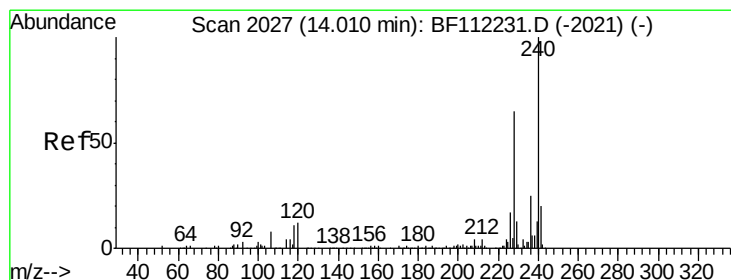
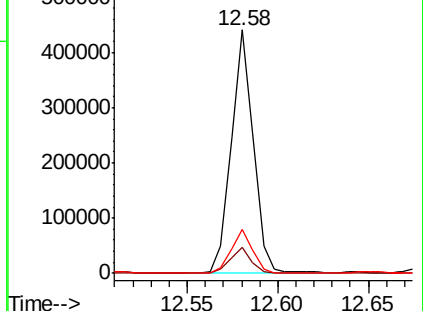
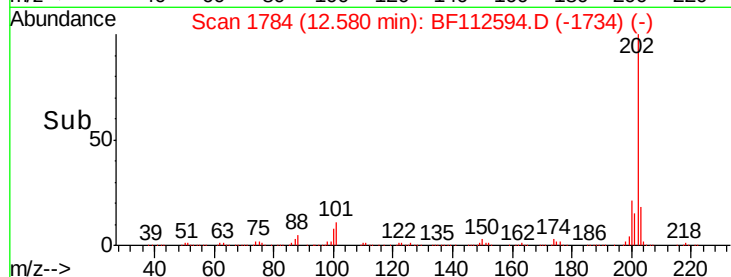
203 18.2 0.0 38.4



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: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

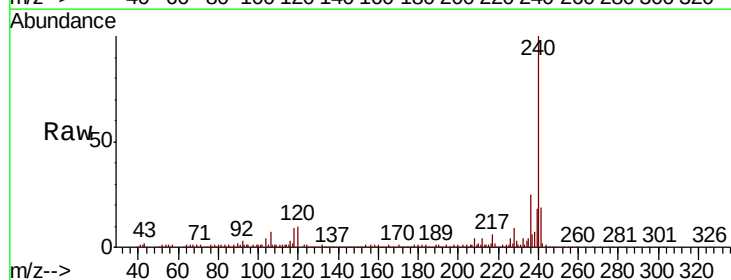
Tgt Ion:240 Resp: 243830

Ion Ratio Lower Upper

240 100

120 9.5 9.0 13.6

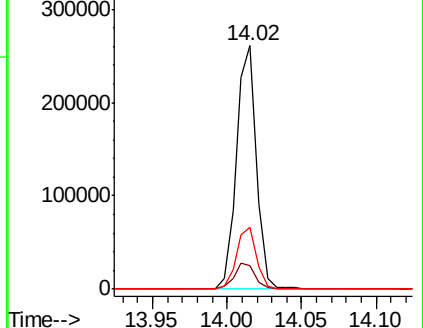
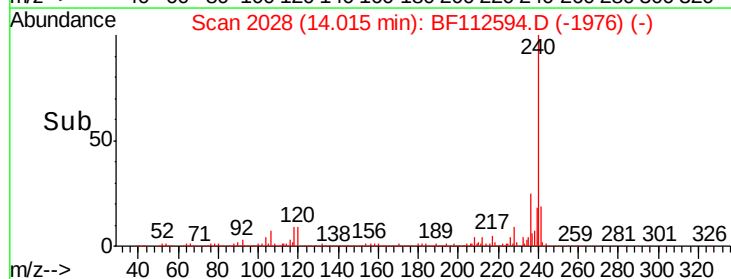
236 25.2 20.7 31.1

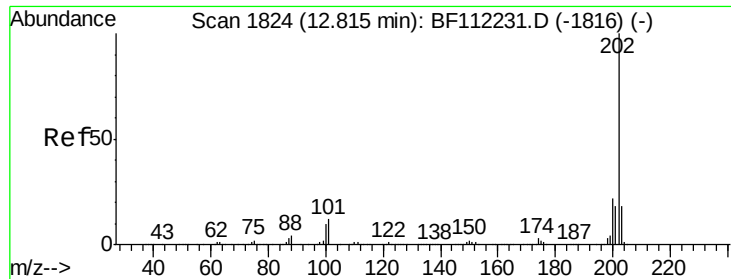


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 20.280 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

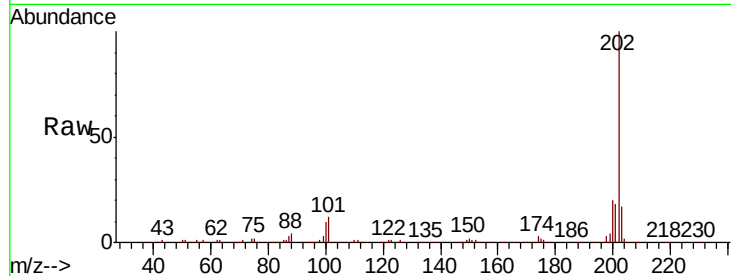
Instrument :

BNA_F

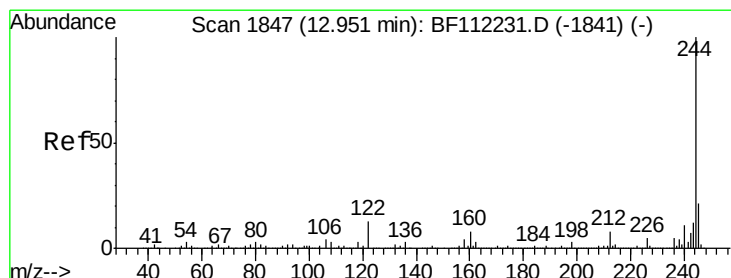
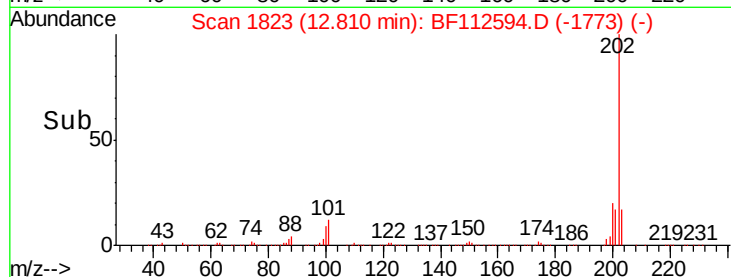
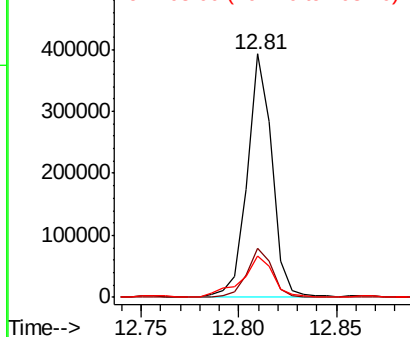
ClientSampleId :

VNJ-227

Tgt Ion:	202	Resp:	342347
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.7	26.5
203	17.3	14.6	22.0



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: 25.459 ng

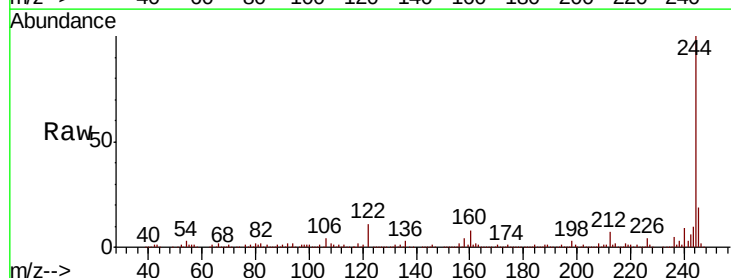
RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

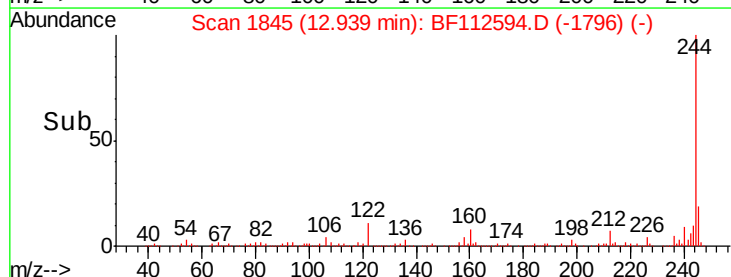
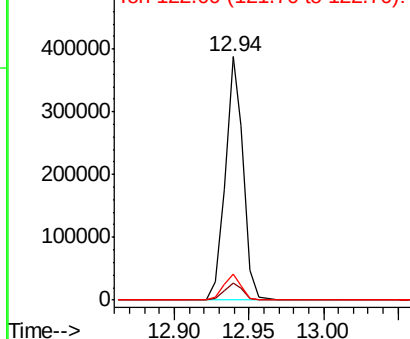
Lab File: BF112594.D

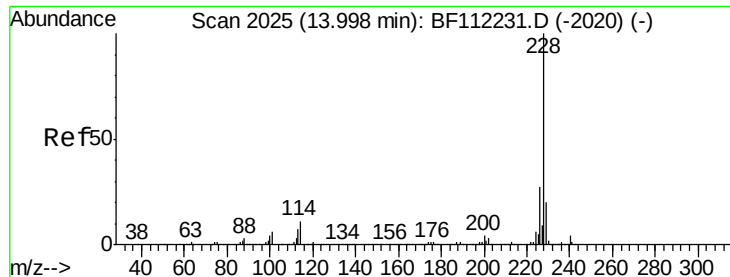
Acq: 15 Feb 2019 22:21

Tgt Ion:	244	Resp:	329596
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.9	9.8	14.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

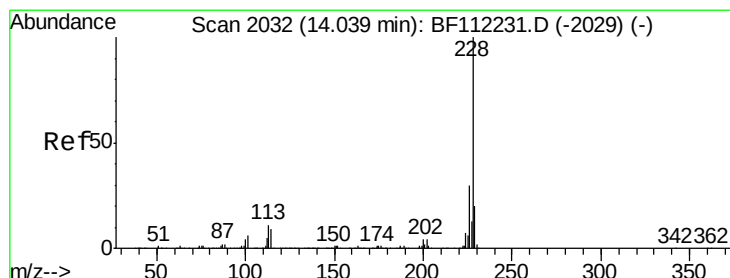
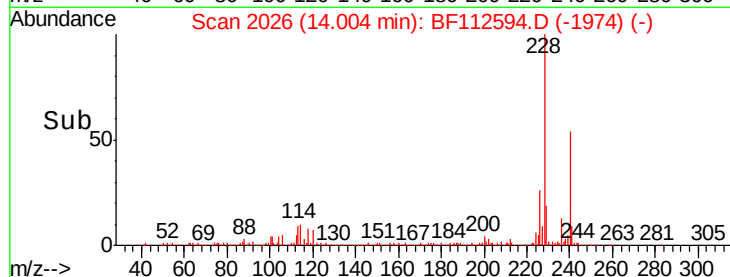
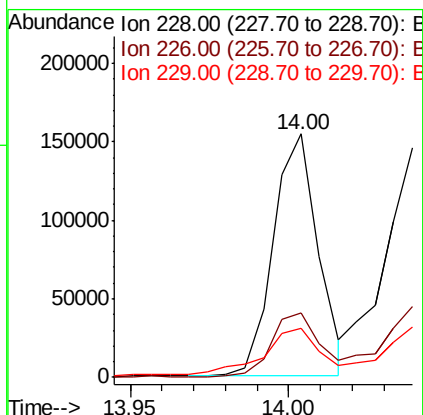
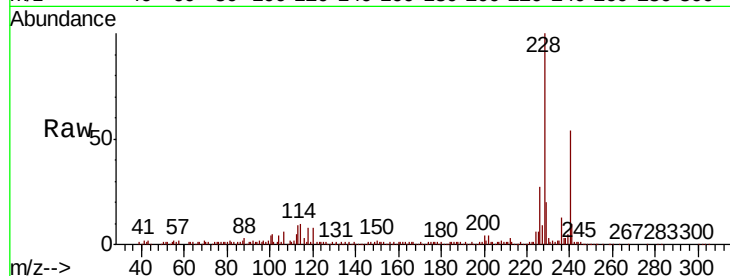




#81
Benzo(a)anthracene
Concen: 10.611 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

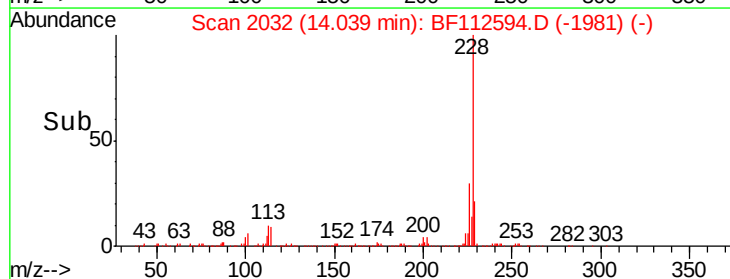
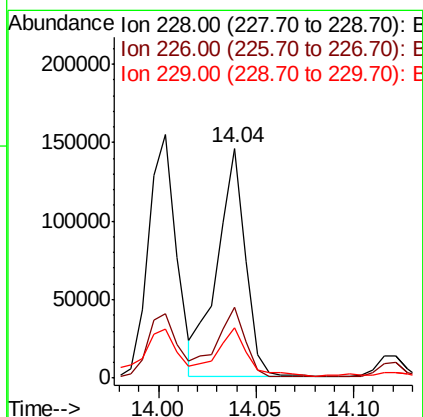
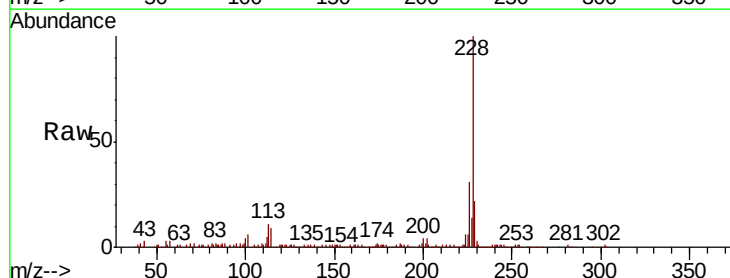
Instrument :
BNA_F
ClientSampleId :
VNJ-227

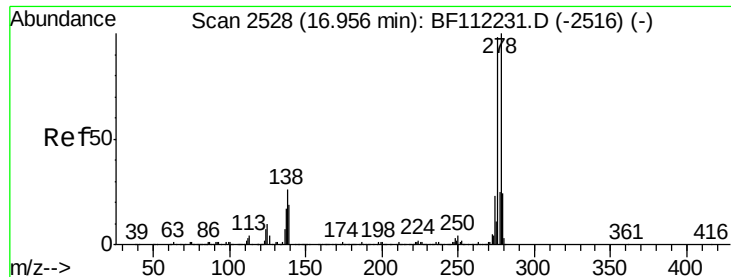
Tgt Ion:228 Resp: 152096
Ion Ratio Lower Upper
228 100
226 26.6 22.6 34.0
229 19.9 16.5 24.7



#83
Chrysene
Concen: 10.739 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112594.D
Acq: 15 Feb 2019 22:21

Tgt Ion:228 Resp: 146936
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 22.0 16.6 24.8

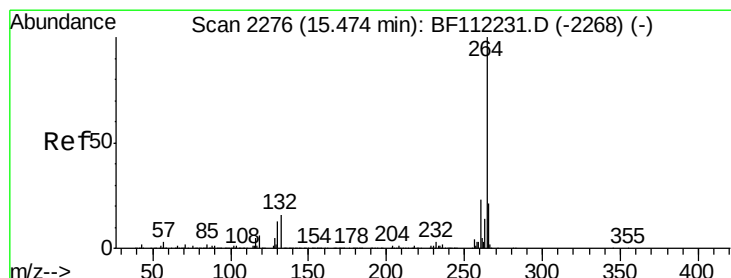
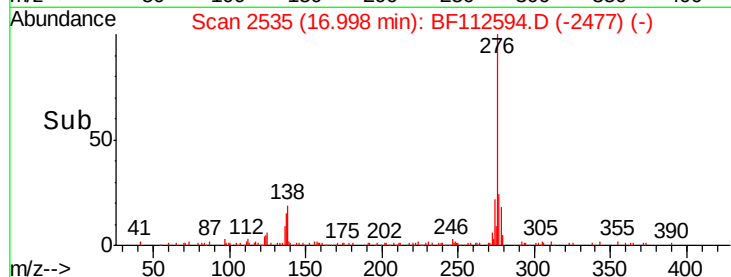
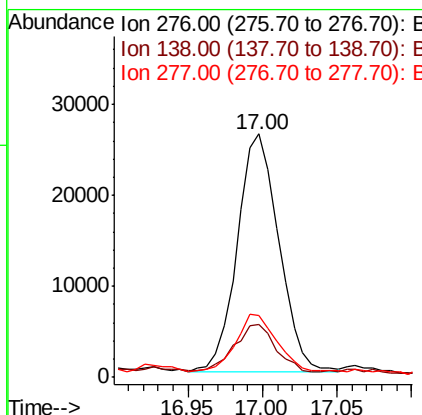
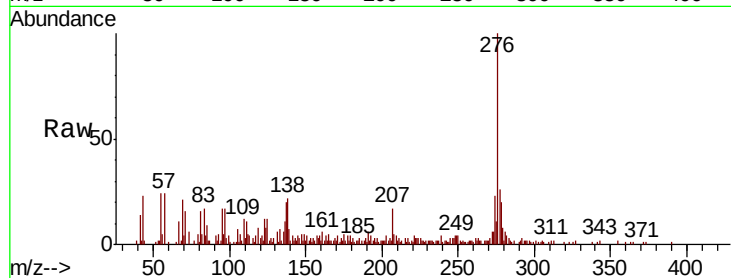




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.692 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. 0.04 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

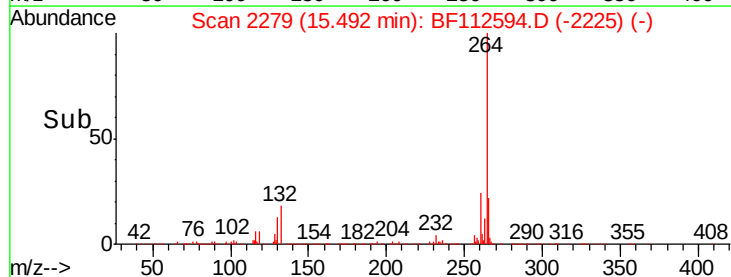
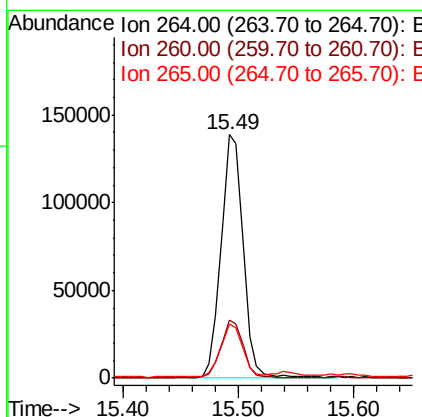
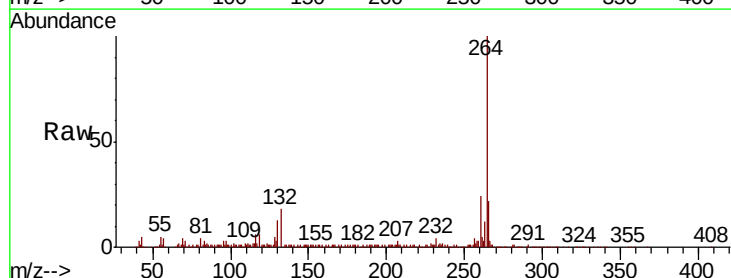
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

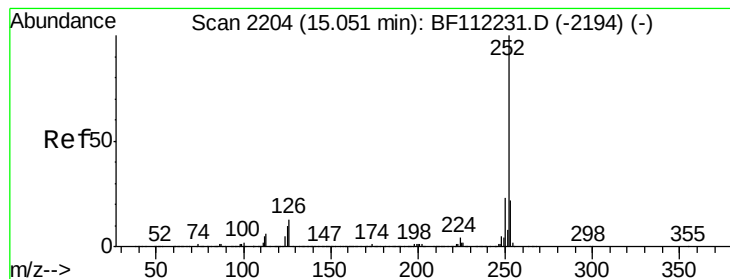
Tgt Ion: 276 Resp: 50870
 Ion Ratio Lower Upper
 276 100
 138 21.2 22.6 34.0#
 277 23.4 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF112594.D
 Acq: 15 Feb 2019 22:21

Tgt Ion: 264 Resp: 182673
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.2 27.2
 265 22.0 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 18.800 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

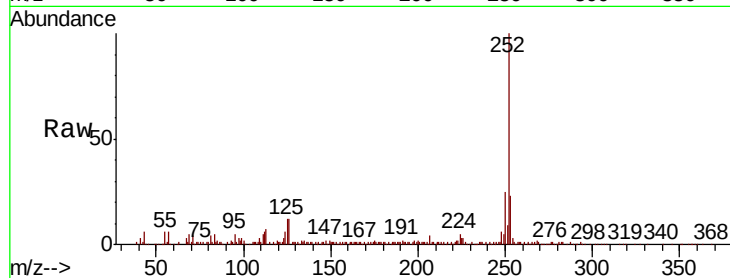
Instrument :

BNA_F

ClientSampleId :

VNJ-227

Tgt Ion:	252	Resp:	205381
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	12.0	8.7	13.1

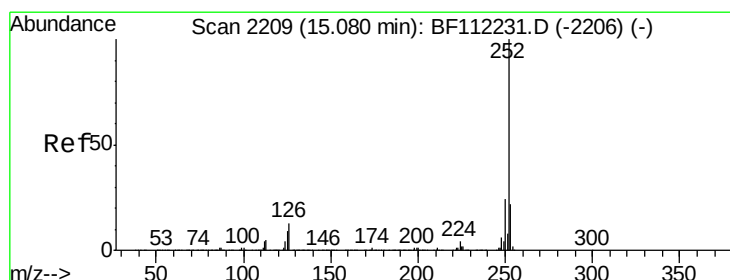
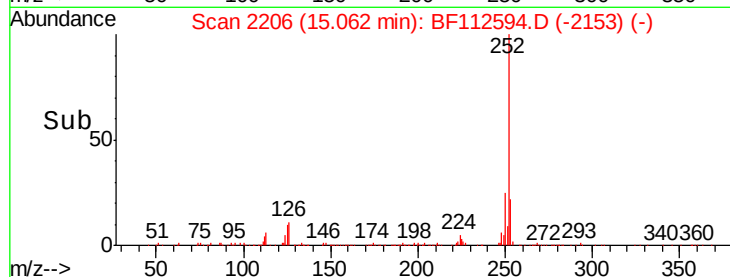
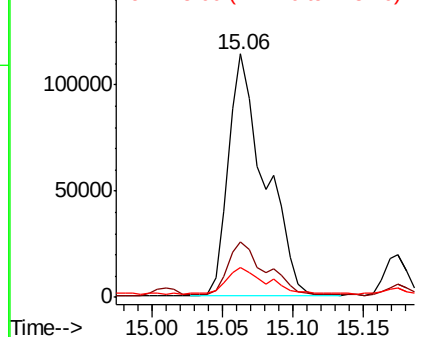


Abundance

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: 19.627 ng

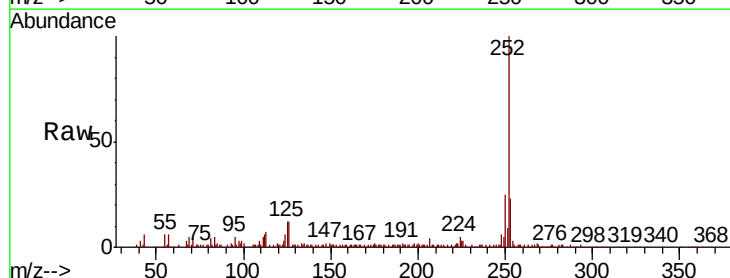
RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Tgt Ion:	252	Resp:	205381
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	12.0	9.1	13.7

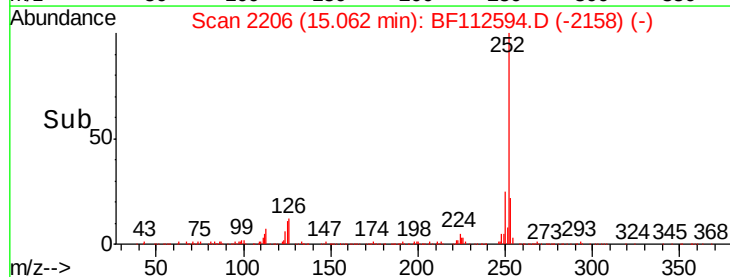
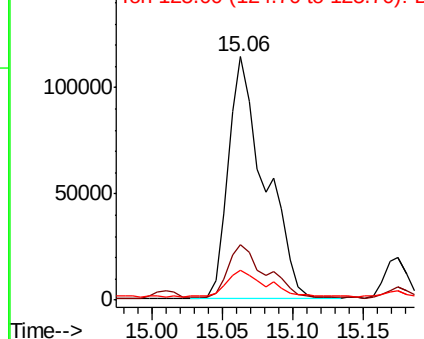


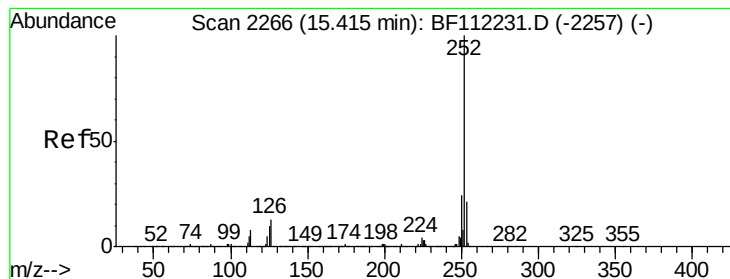
Abundance

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: 10.457 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

Instrument :

BNA_F

ClientSampleId :

VNJ-227

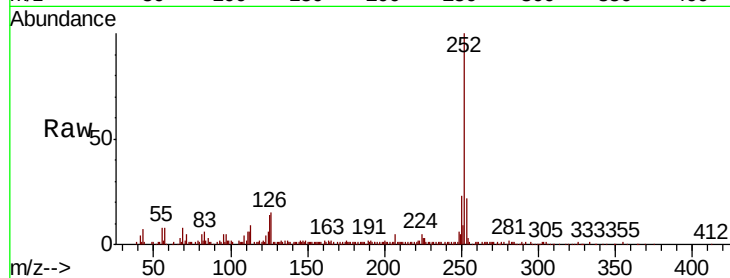
Tgt Ion:252 Resp: 102791

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 13.5 9.0 13.4#

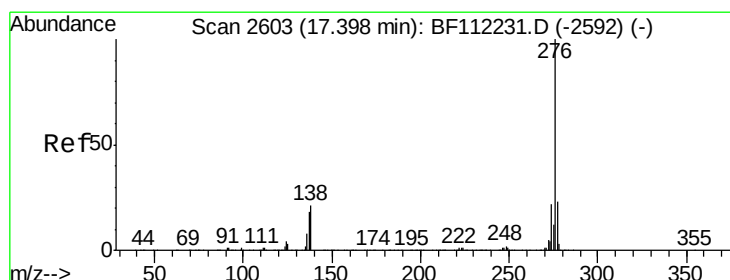
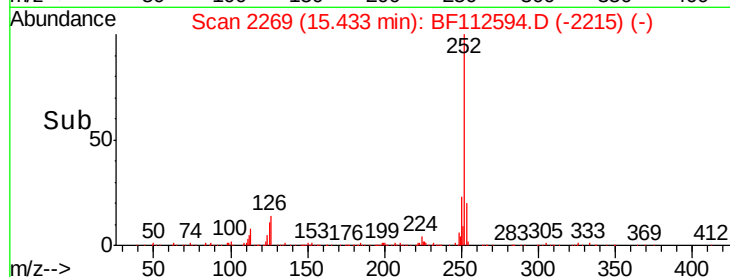
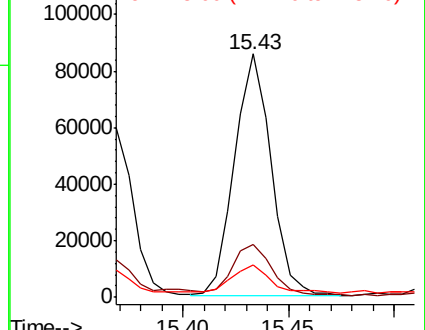


Abundance

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: 6.534 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.05 min

Lab File: BF112594.D

Acq: 15 Feb 2019 22:21

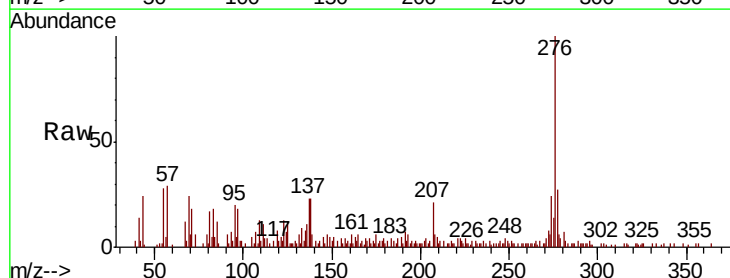
Tgt Ion:276 Resp: 48834

Ion Ratio Lower Upper

276 100

277 27.4 19.4 29.0

138 22.9 19.1 28.7



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

