

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112172.D
 Acq On : 21 Jan 2019 21:31
 Operator : JU/SJ
 Sample : K1196-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219

Quant Time: Jan 22 00:49:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	208393	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	746077	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	297668	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	555128	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	510087	20.00	ng	-0.01
87) Perylene-d12	15.49	264	369618	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	171912	14.97	ng	-0.01
7) Phenol-d6	6.49	99	213009	14.83	ng	-0.01
23) Nitrobenzene-d5	7.41	82	108775	10.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	45091	14.04	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	241985	11.92	ng	-0.01
79) Terphenyl-d14	12.96	244	269384	11.23	ng	-0.01

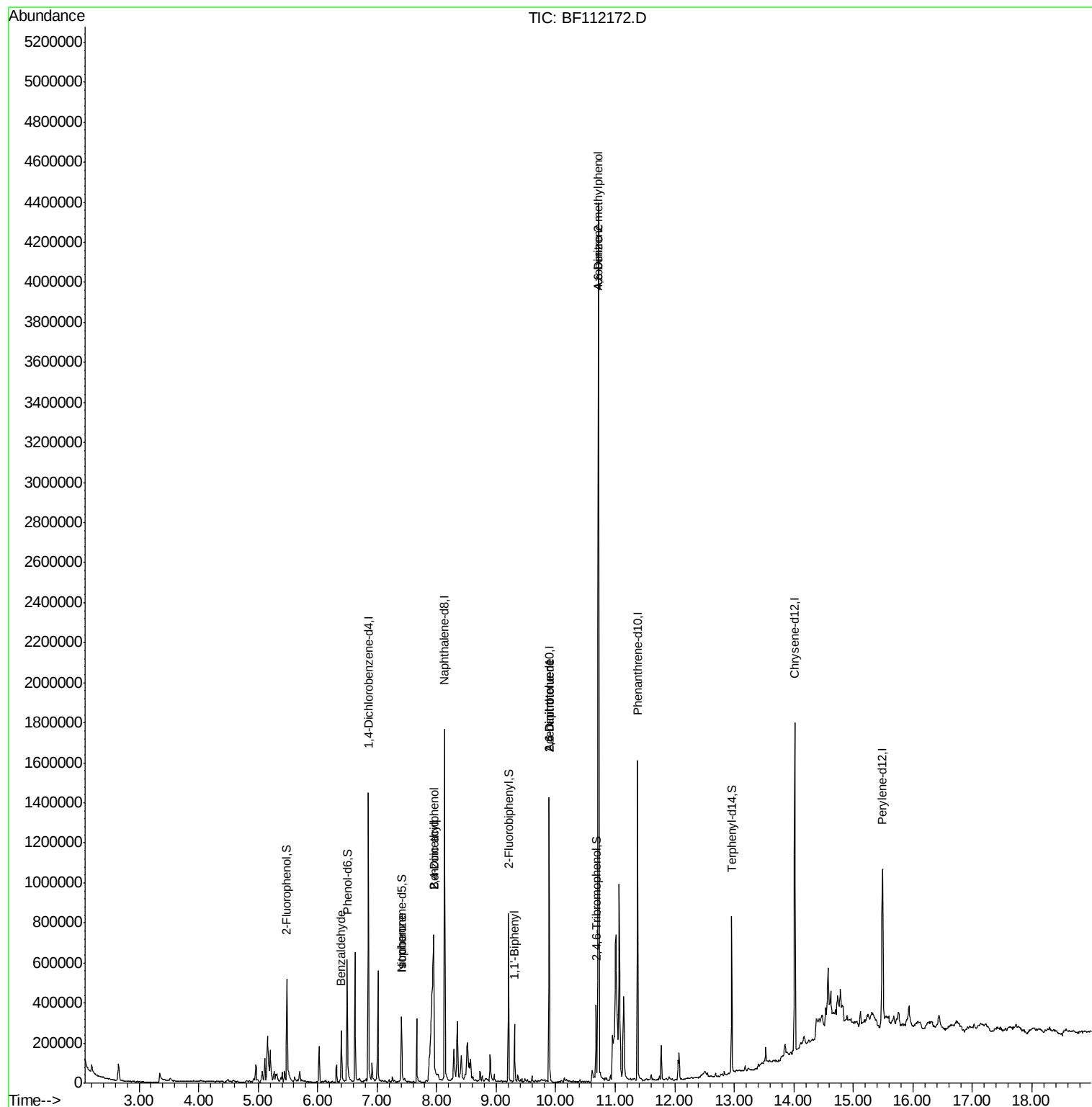
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	52274	4.364	ng	96
25) Isophorone	7.41	82	108774	5.215	ng	# 63
27) 2,4-Dimethylphenol	7.95	122	465356	48.064	ng	# 7
32) Benzoic acid	7.95	122	465356	81.495	ng	99
46) 1,1'-Biphenyl	9.31	154	89874	3.611	ng	97
51) 2,6-Dinitrotoluene	9.89	165	38247	8.822	ng	# 34
57) 2,4-Dinitrotoluene	9.89	165	38247	10.798	ng	# 32
63) Azobenzene	10.72	77	837003	41.247	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.72	198	67978	33.271	ng	# 1

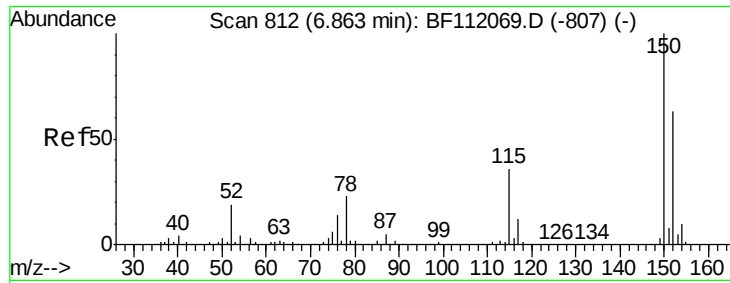
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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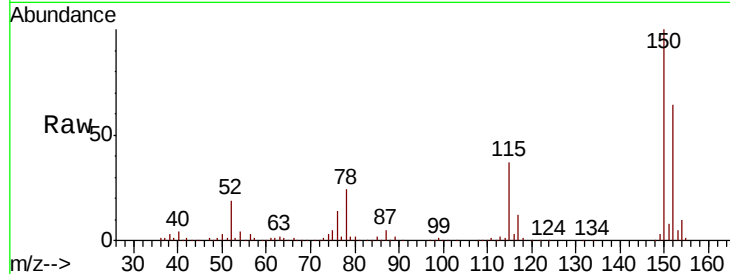


#1

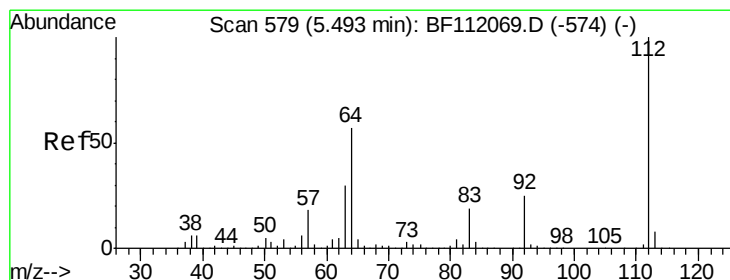
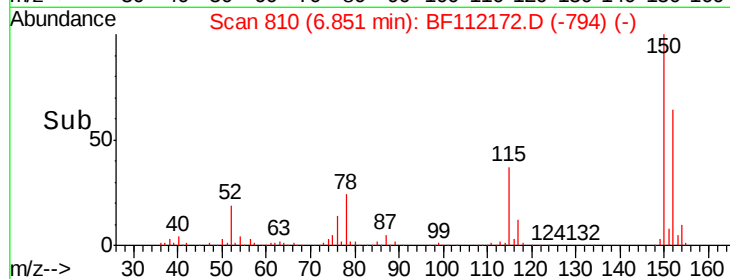
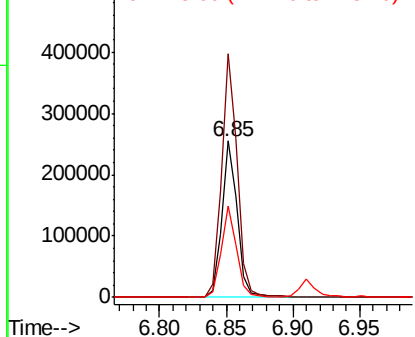
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Instrument :
 BNA_F
 ClientSampled :
 VNJ-219

Tgt Ion:152 Resp: 208393
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.4 191.0
 115 58.3 45.5 68.3



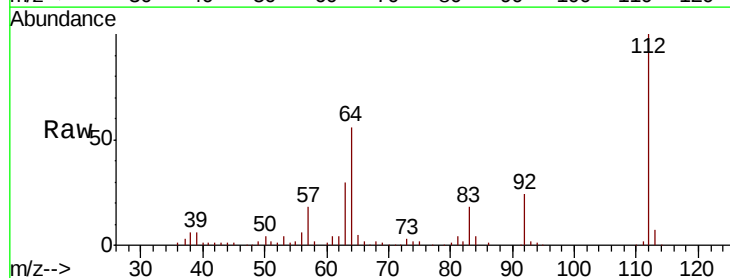
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



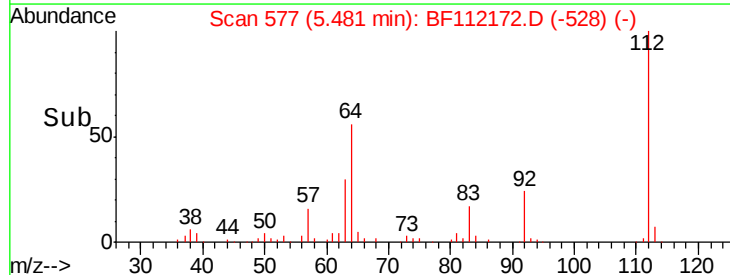
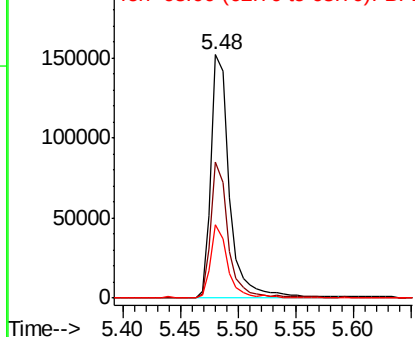
#5

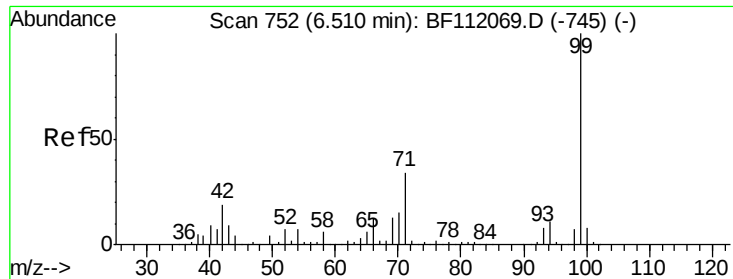
2-Fluorophenol
 Concen: 14.973 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Tgt Ion:112 Resp: 171912
 Ion Ratio Lower Upper
 112 100
 64 55.7 45.7 68.5
 63 29.9 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: 14.828 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112172.D

Acq: 21 Jan 2019 21:31

Instrument :

BNA_F

ClientSampleId :

VNJ-219

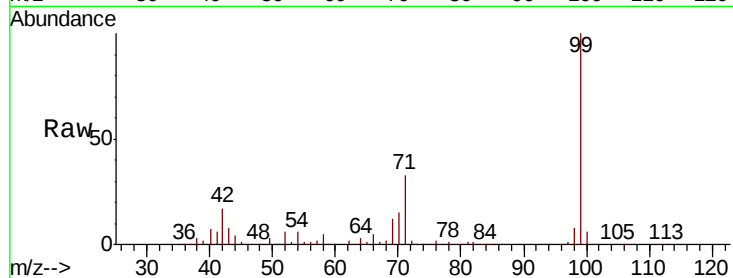
Tgt Ion: 99 Resp: 213009

Ion Ratio Lower Upper

99 100

42 16.6 15.1 22.7

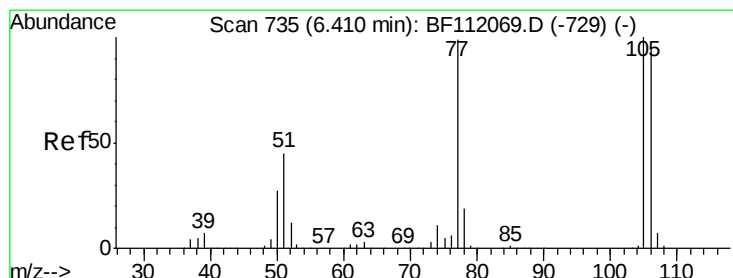
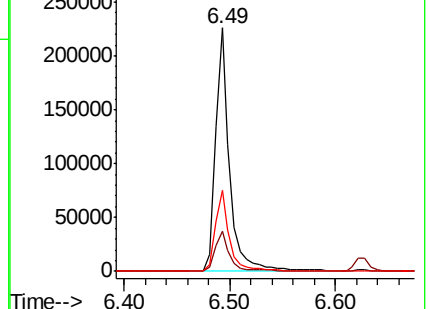
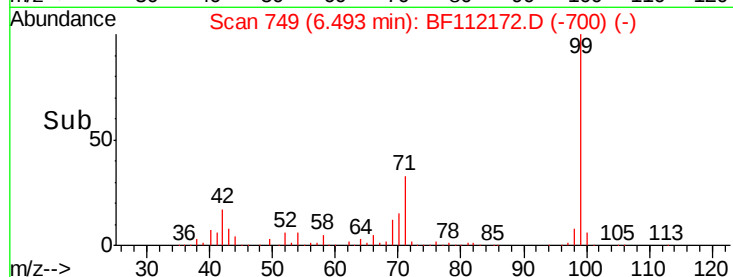
71 33.1 26.9 40.3



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



#9

Benzaldehyde

Concen: 4.364 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF112172.D

Acq: 21 Jan 2019 21:31

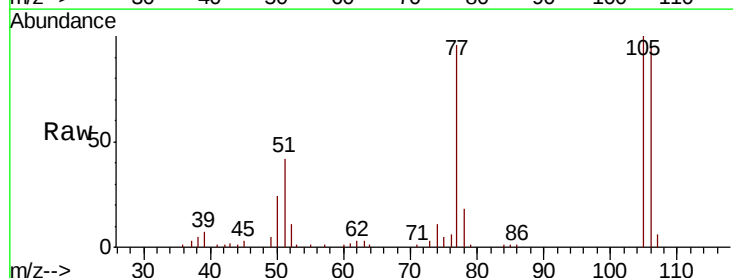
Tgt Ion: 77 Resp: 52274

Ion Ratio Lower Upper

77 100

105 104.5 80.8 120.8

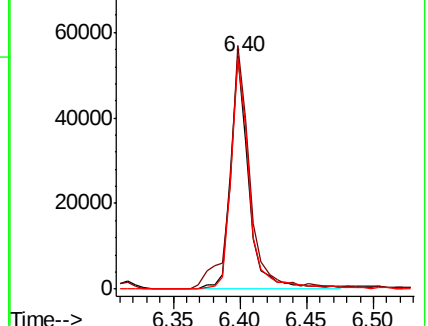
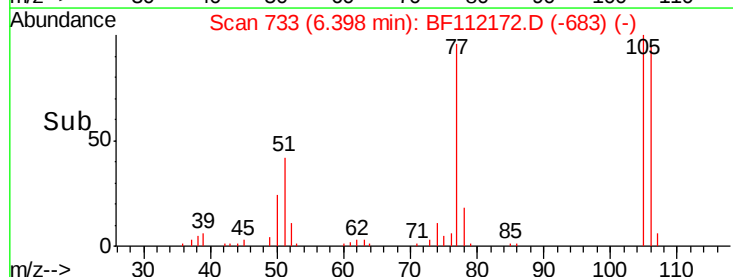
106 99.1 75.7 115.7

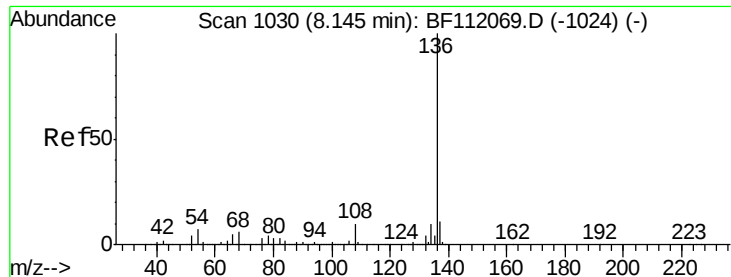


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

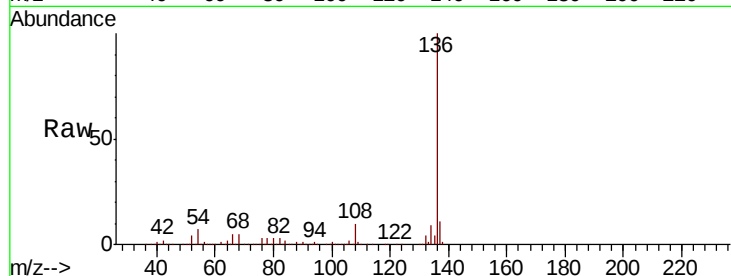




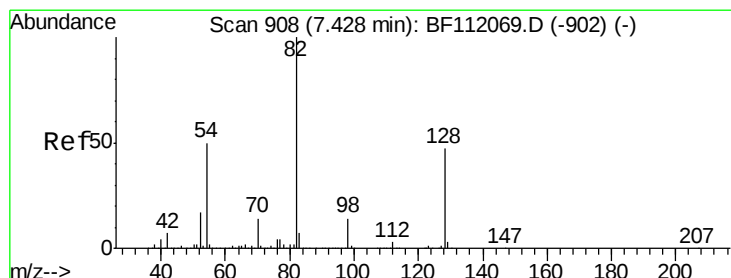
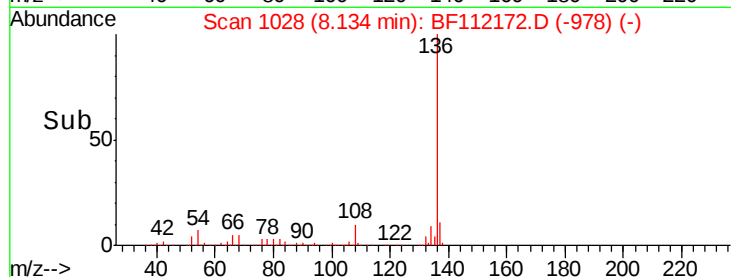
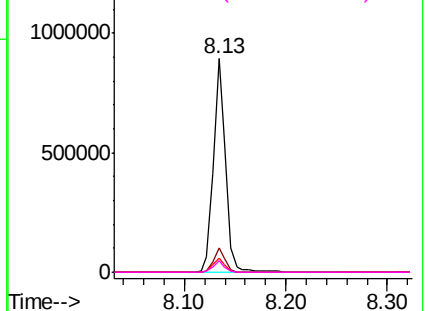
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Instrument :
BNA_F
ClientSampleId :
VNJ-219

Tgt Ion:	136	Resp:	746077
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.8	5.9	8.9
68	5.4	5.1	7.7

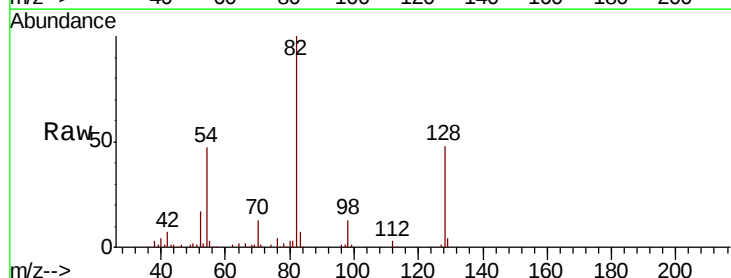


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

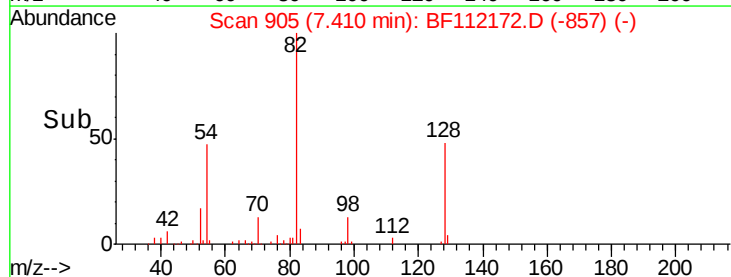
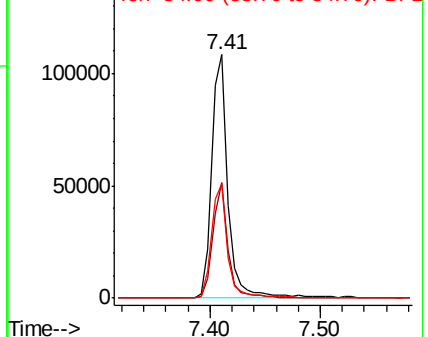


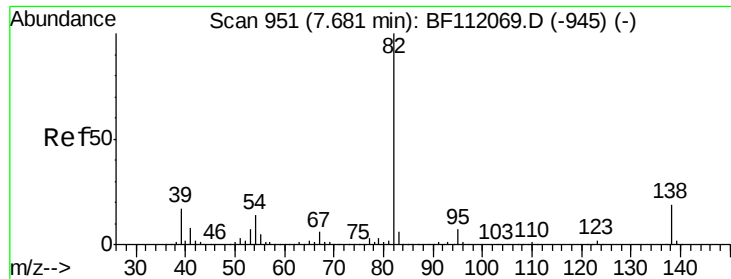
#23
Nitrobenzene-d5
Concen: 10.073 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Tgt Ion:	82	Resp:	108775
Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.8	56.8
54	47.2	39.7	59.5



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: 5.215 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112172.D

Acq: 21 Jan 2019 21:31

Instrument :

BNA_F

ClientSampleId :

VNJ-219

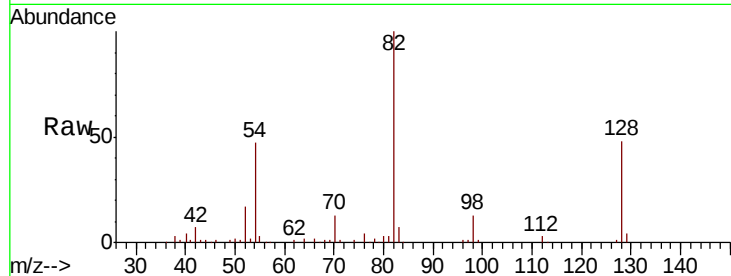
Tgt Ion: 82 Resp: 108774

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

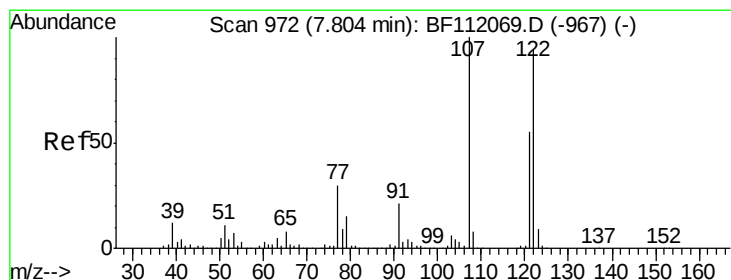
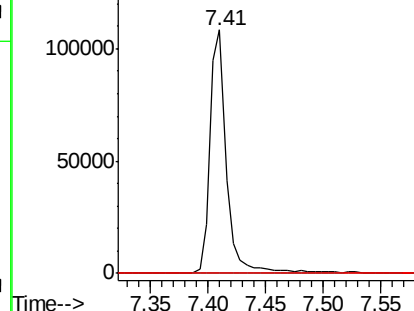
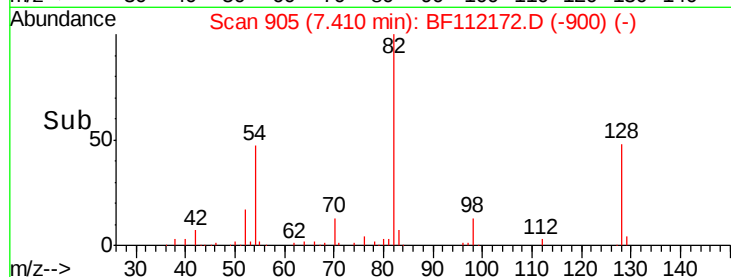
138 0.0 15.4 23.0#



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



#27

2,4-Dimethylphenol

Concen: 48.064 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.15 min

Lab File: BF112172.D

Acq: 21 Jan 2019 21:31

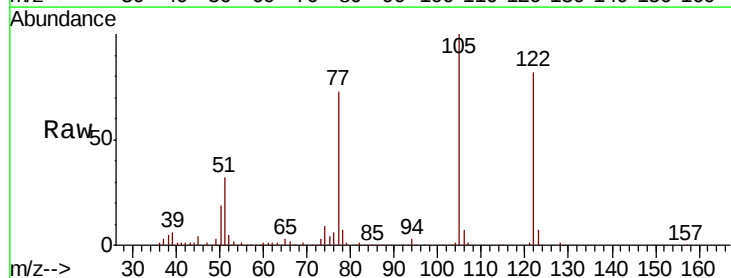
Tgt Ion: 122 Resp: 465356

Ion Ratio Lower Upper

122 100

107 0.7 85.4 128.0#

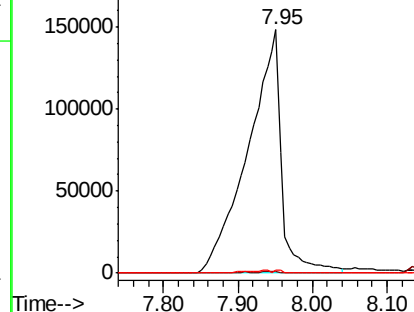
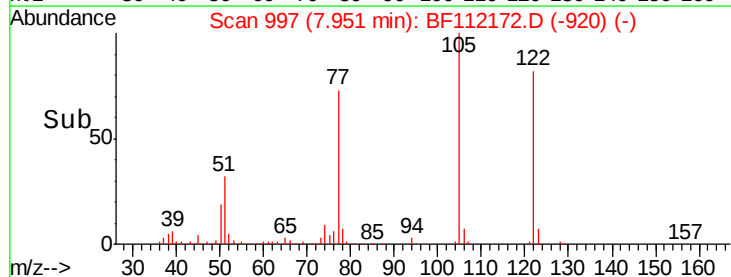
121 1.2 47.0 70.4#

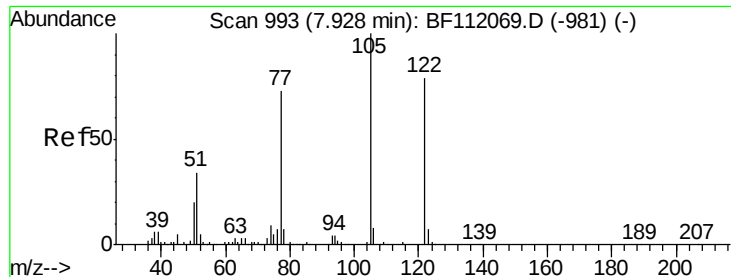


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

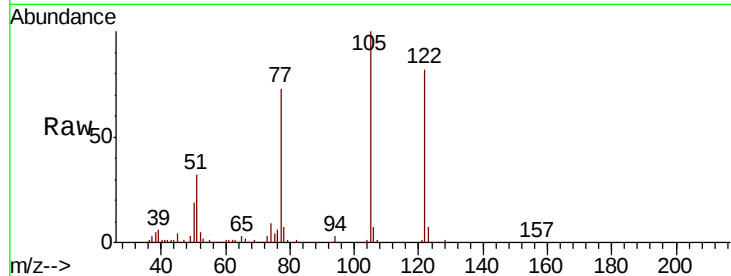




#32
Benzoic acid
Concen: 81.495 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Instrument :
BNA_F
ClientSampleId :
VNJ-219

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.8	101.2	141.2
77	88.6	70.4	110.4

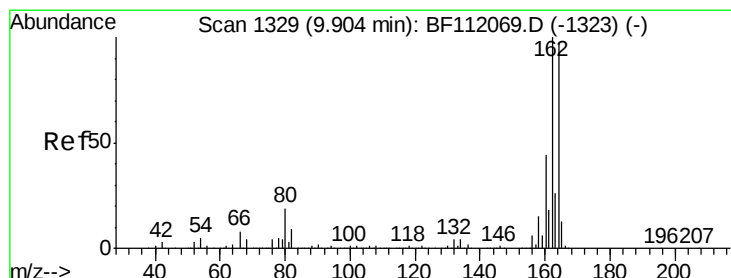
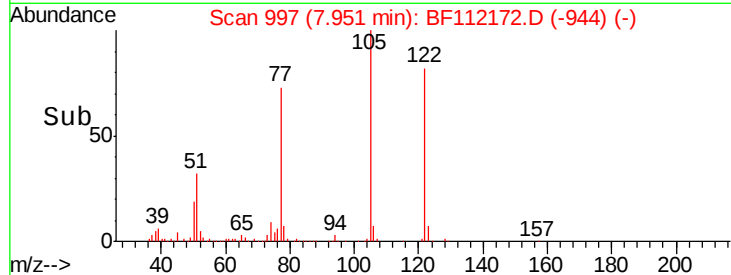
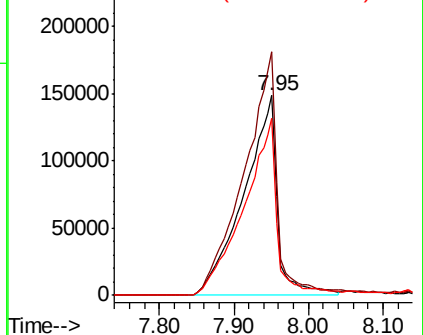


Abundance

Ion 122.00 (121.70 to 122.70): E

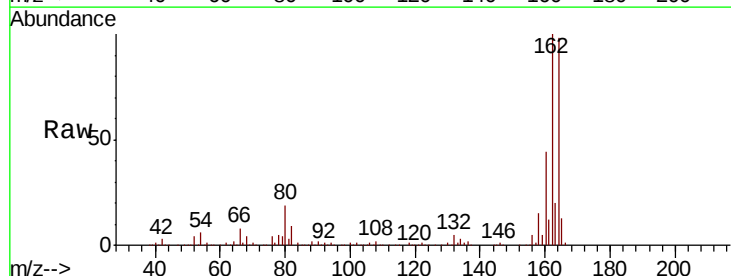
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.4
160	45.0	36.2	54.4

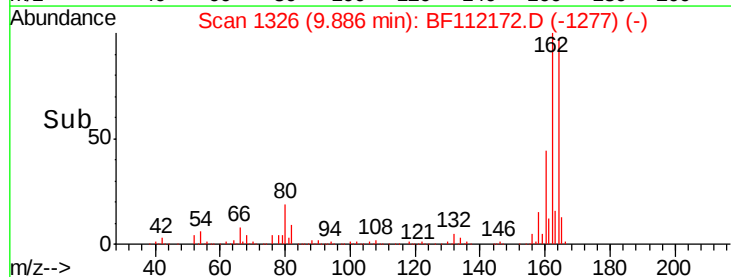
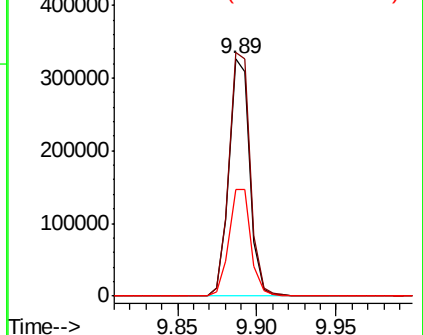


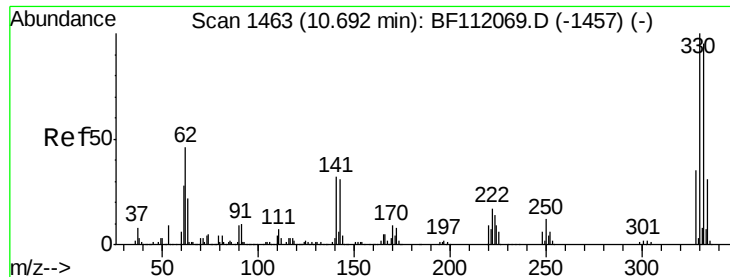
Abundance

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

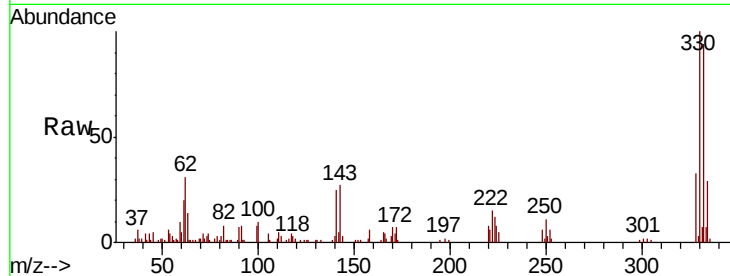




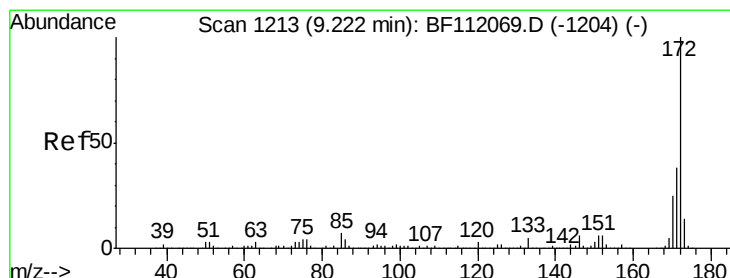
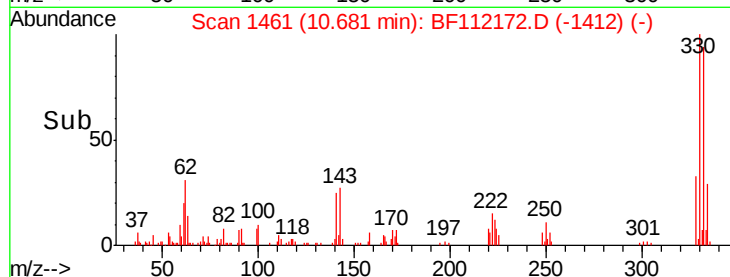
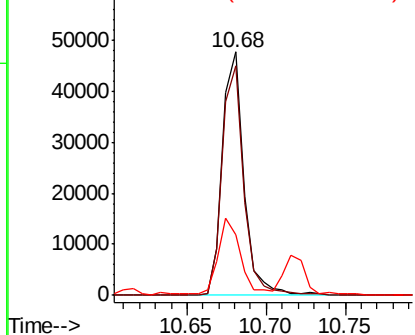
#42
 2,4,6-Tribromophenol
 Concen: 14.042 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219

Tgt Ion:330 Resp: 45091
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 114.8
 141 33.4 24.3 36.5

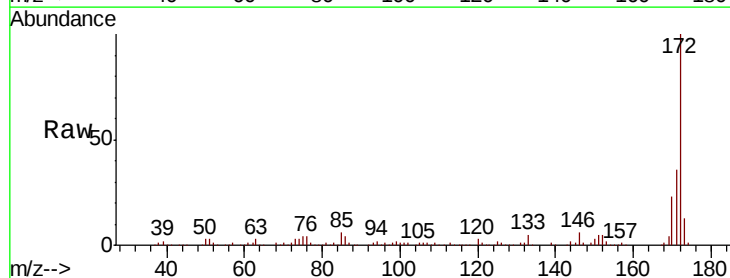


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

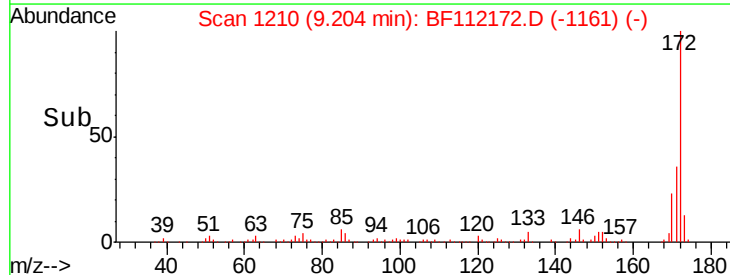
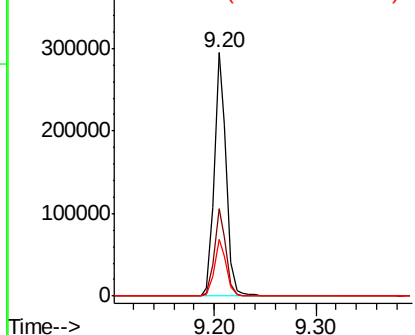


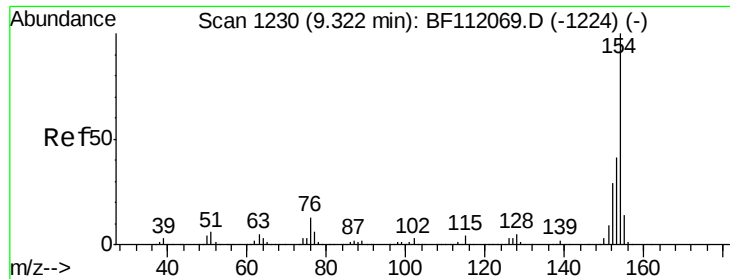
#45
 2-Fluorobiphenyl
 Concen: 11.919 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Tgt Ion:172 Resp: 241985
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.5 45.7
 170 23.2 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

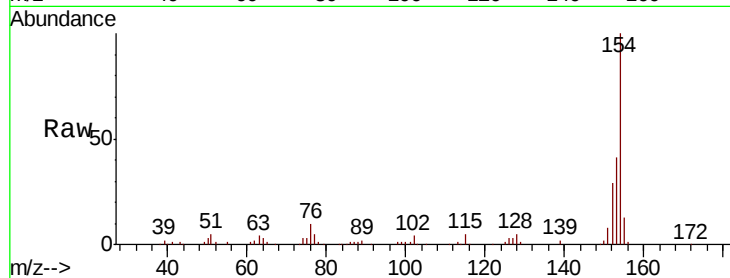




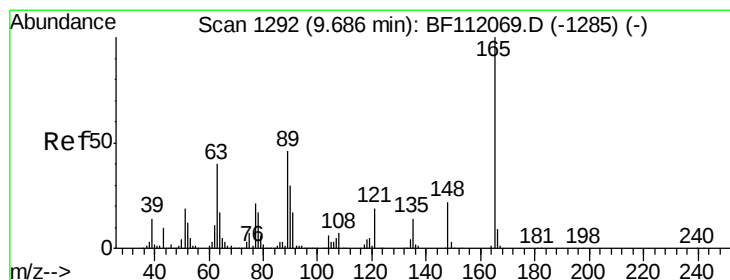
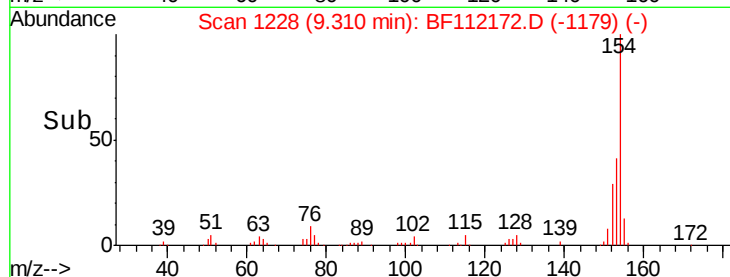
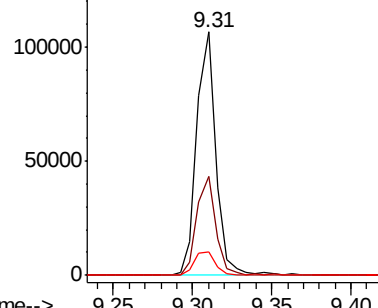
#46
 1,1'-Biphenyl
 Concen: 3.611 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219

Tgt Ion:154 Resp: 89874
 Ion Ratio Lower Upper
 154 100
 153 40.8 21.5 61.5
 76 9.5 0.0 33.1

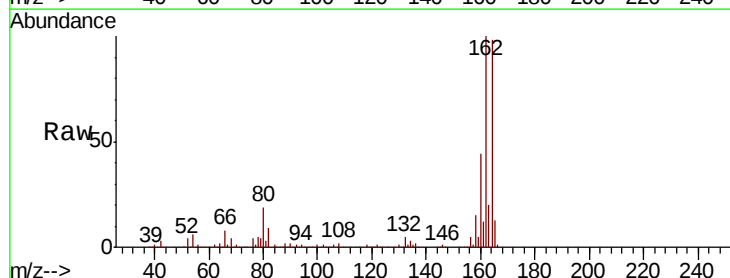


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

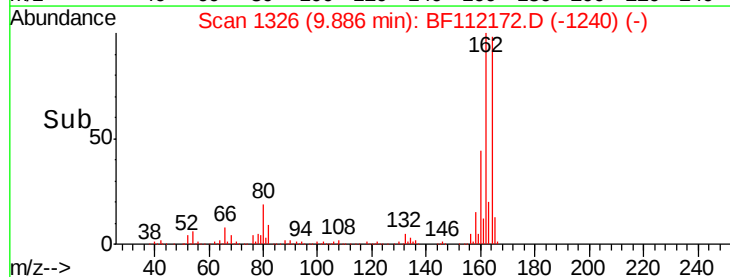
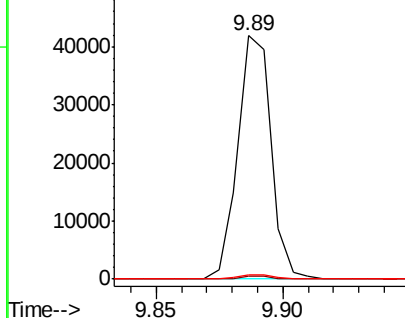


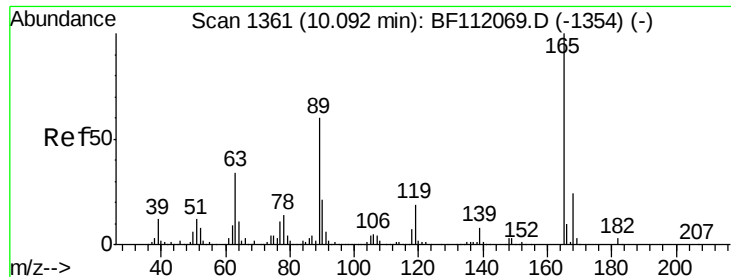
#51
 2,6-Dinitrotoluene
 Concen: 8.822 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Tgt Ion:165 Resp: 38247
 Ion Ratio Lower Upper
 165 100
 63 1.3 33.8 50.8#
 89 1.9 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

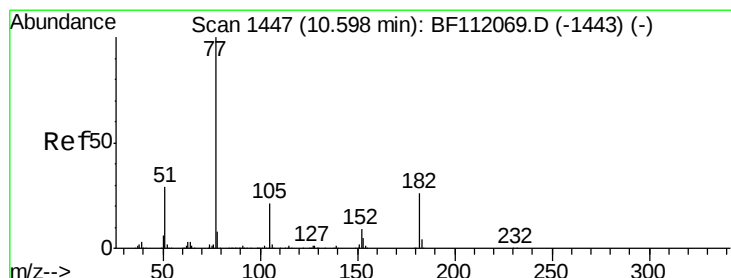
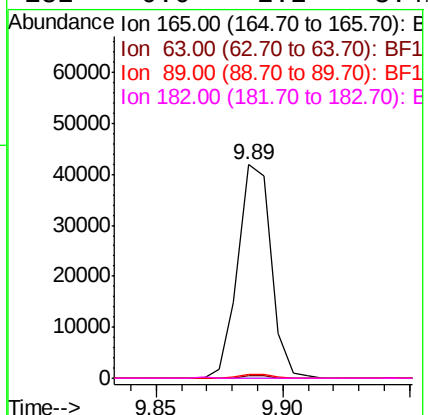
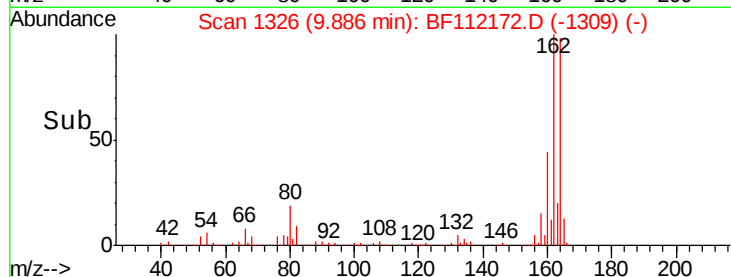
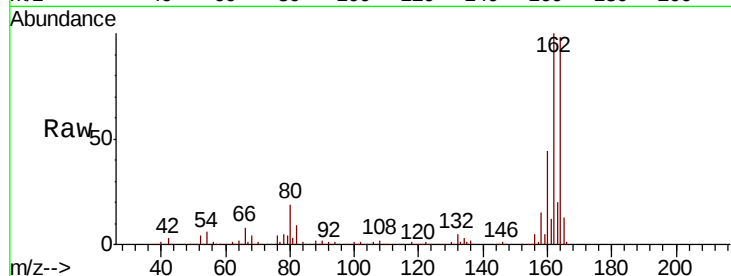




#57
 2,4-Dinitrotoluene
 Concen: 10.798 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

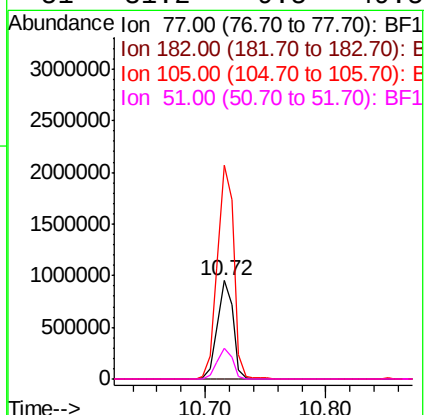
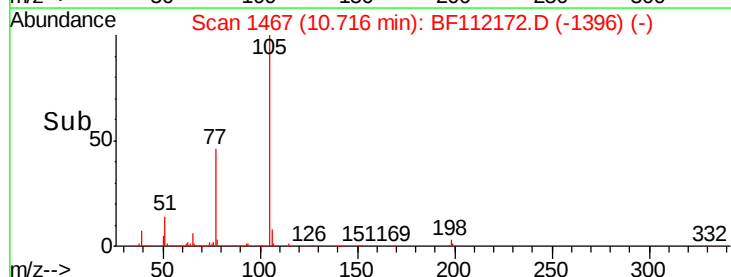
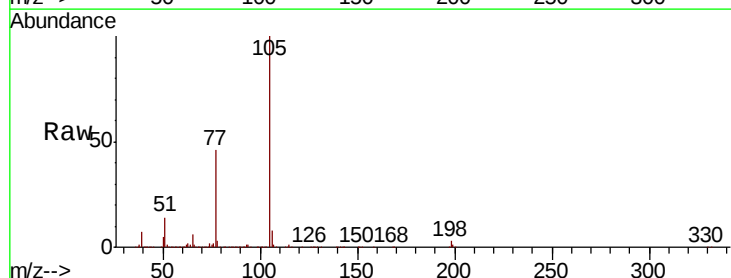
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219

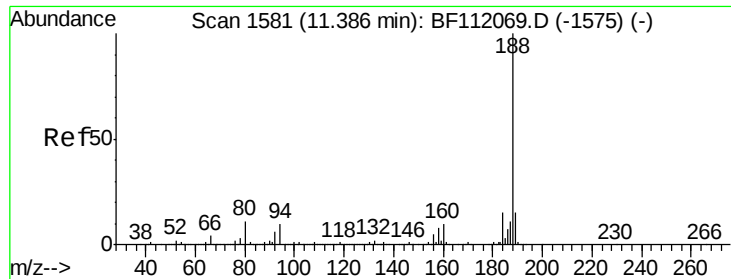
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.9	47.9	71.9#
182	0.0	2.2	3.4#



#63
 Azobenzene
 Concen: 41.247 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.12 min
 Lab File: BF112172.D
 Acq: 21 Jan 2019 21:31

Tgt Ion	Ratio	Lower	Upper
77	100		
182	0.0	5.7	45.7#
105	217.0	1.4	41.4#
51	31.2	9.5	49.5

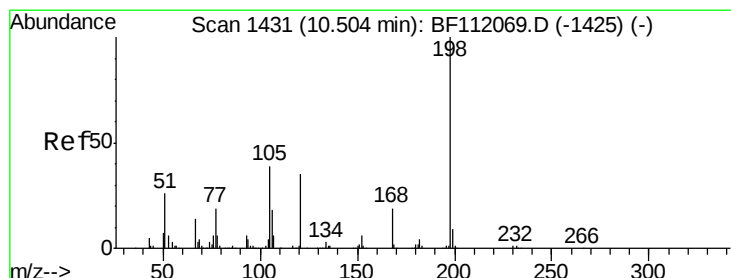
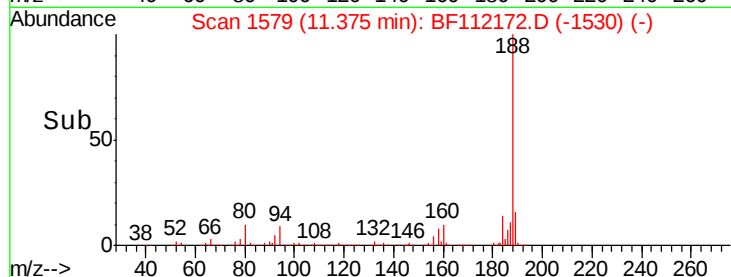
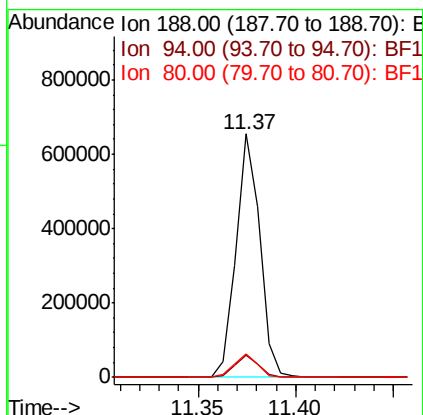
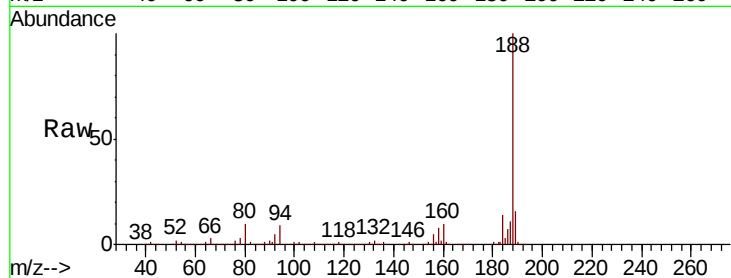




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

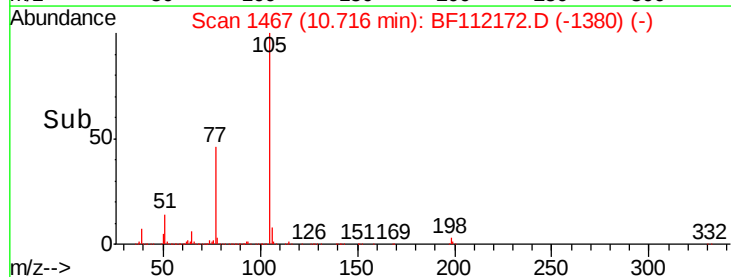
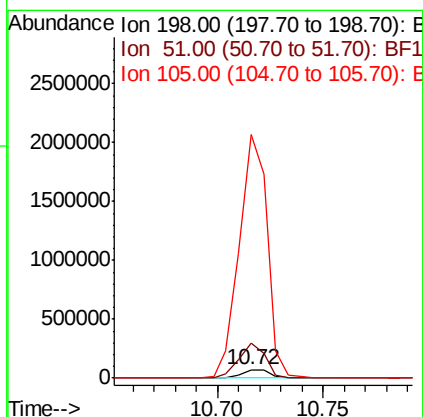
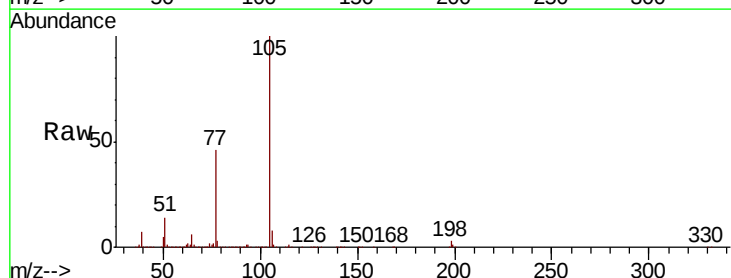
Instrument :
BNA_F
ClientSampleId :
VNJ-219

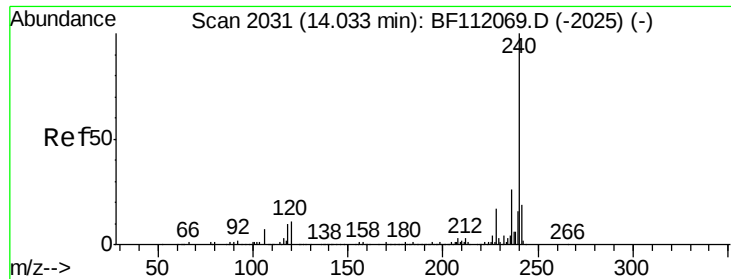
Tgt Ion:188 Resp: 555128
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 9.6 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 33.271 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.21 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Tgt Ion:198 Resp: 67978
Ion Ratio Lower Upper
198 100
51 414.6 17.2 57.2#
105 2886.5 21.9 61.9#

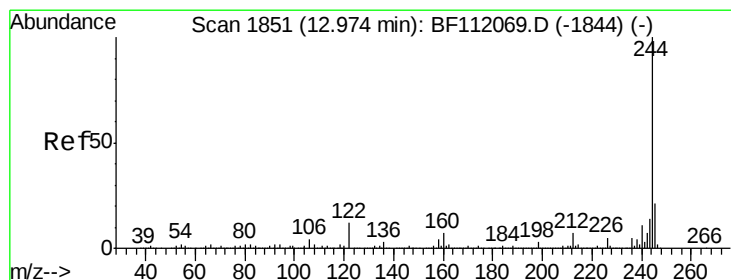
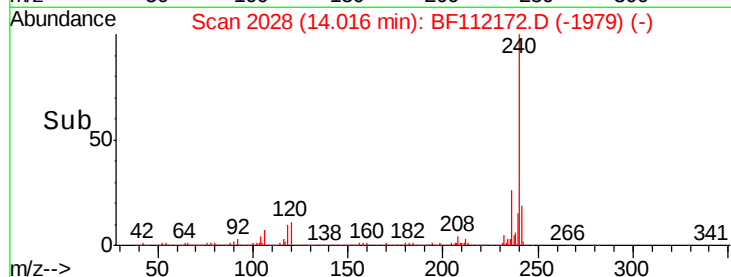
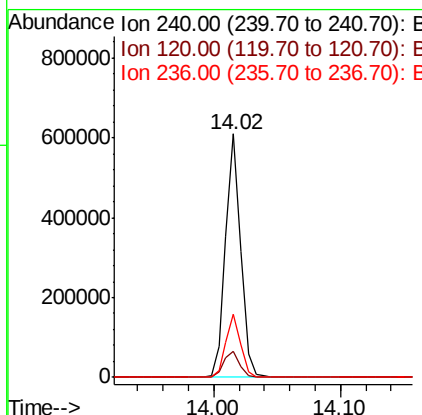
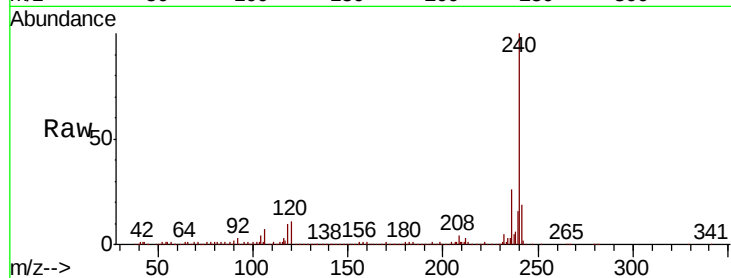




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

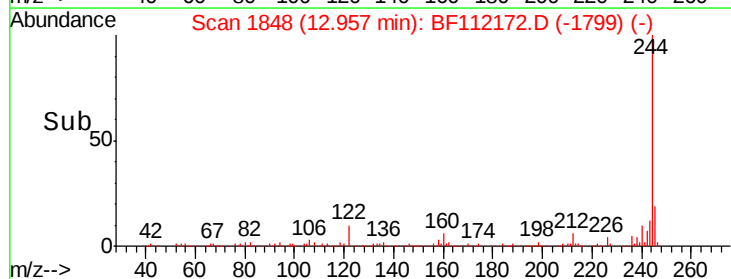
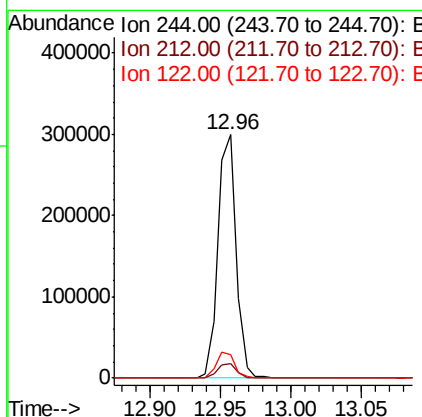
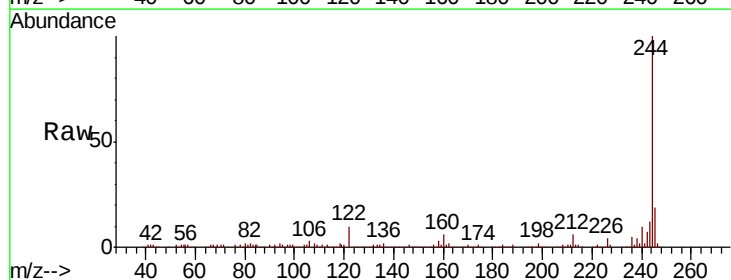
Instrument :
BNA_F
ClientSampleId :
VNJ-219

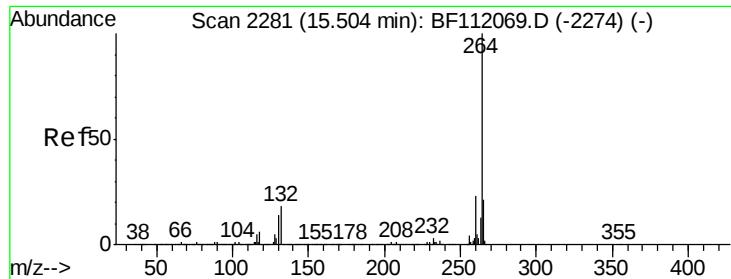
Tgt Ion:240 Resp: 510087
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.7 20.7 31.1



#79
Terphenyl-d14
Concen: 11.235 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Tgt Ion:244 Resp: 269384
Ion Ratio Lower Upper
244 100
212 5.9 5.9 8.9#
122 9.8 9.8 14.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF112172.D
Acq: 21 Jan 2019 21:31

Instrument :
BNA_F
ClientSampleId :
VNJ-219

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.7	17.0	25.4

