

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102820\
 Data File : BF122146.D
 Acq On : 28 Oct 2020 14:21
 Operator : JU/CG
 Sample : L4527-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

Quant Time: Oct 28 14:53:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

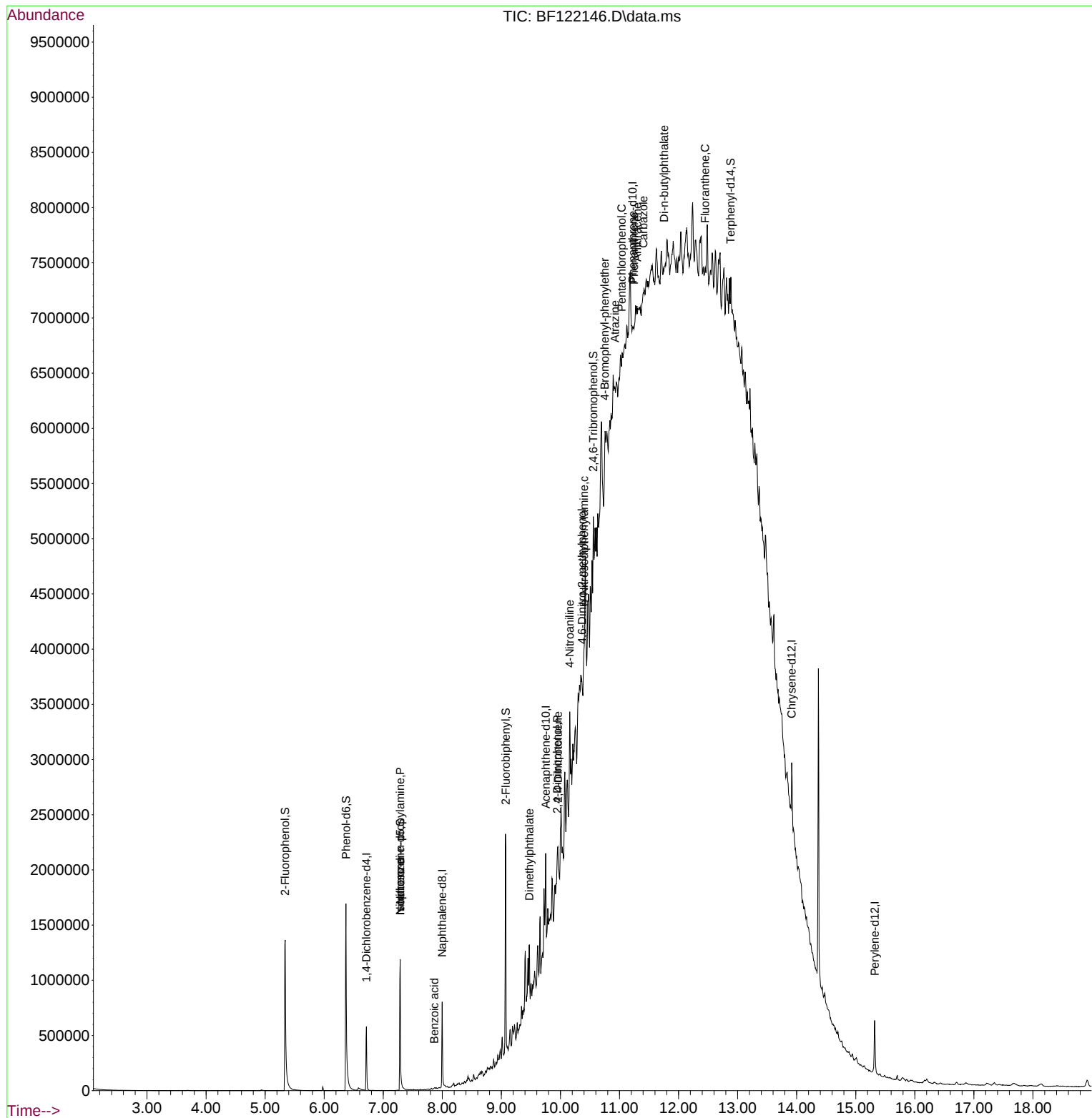
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	89194	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	336232	20.00	ng	0.00
39) Acenaphthene-d10	9.751	164	132814	20.00	ng	0.00
64) Phenanthrene-d10	11.222	188	6379	20.00	ng	#-0.01
76) Chrysene-d12	13.915	240	178753	20.00	ng	# 0.04
86) Perylene-d12	15.321	264	217375	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	531868	88.01	ng	0.00
7) Phenol-d6	6.369	99	663185	85.25	ng	0.00
23) Nitrobenzene-d5	7.286	82	418648	63.86	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	138635	84.38	ng	0.01
45) 2-Fluorobiphenyl	9.075	172	637816	70.66	ng	0.00
79) Terphenyl-d14	12.880	244	380463	40.56	ng	0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1082	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.286	70	56796	12.82	ng	# 79
25) Isophorone	7.286	82	418646	33.77	ng	# 67
32) Benzoic acid	7.863	122	4665	8.93	ng	89
50) Dimethylphthalate	9.475	163	88779	9.14	ng	# 98
54) 2,4-Dinitrophenol	9.945	184	561	9.15	ng	# 1
57) 2,4-Dinitrotoluene	9.957	165	8537	3.26	ng	# 61
62) 4-Nitroaniline	10.157	138	10786	4.46	ng	92
65) 4,6-Dinitro-2-methylph...	10.369	198	1668	39.85	ng	# 1
66) n-Nitrosodiphenylamine	10.398	169	39279	178.75	ng	# 56
67) 4-Bromophenyl-phenylether	10.751	248	311	4.22	ng	# 1
69) Atrazine	10.922	200	2897	53.92	ng	# 1
70) Pentachlorophenol	11.039	266	1604	51.99	ng	# 1
71) Phenanthrene	11.245	178	4326	12.37	ng	# 1
72) Anthracene	11.298	178	64799	178.63	ng	# 16
73) Carbazole	11.404	167	12342	38.26	ng	# 1
74) Di-n-butylphthalate	11.757	149	9298	25.06	ng	# 1
75) Fluoranthene	12.451	202	13726	36.60	ng	# 1

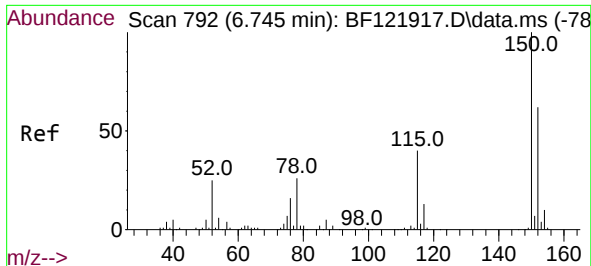
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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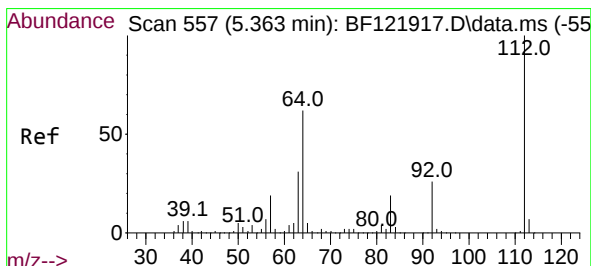
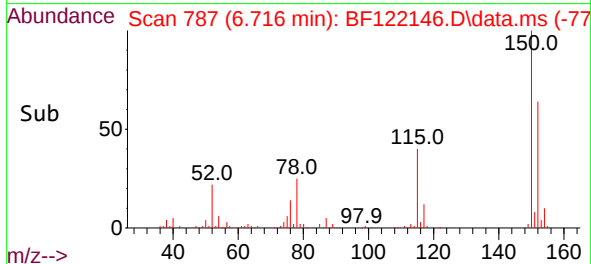
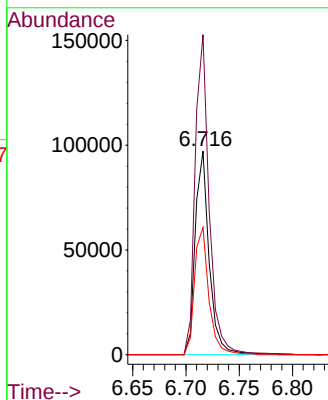
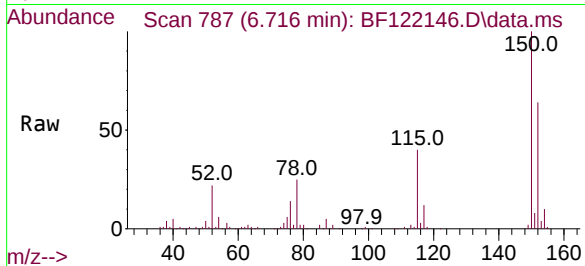




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.716 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

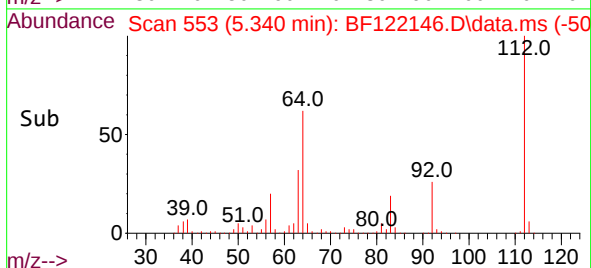
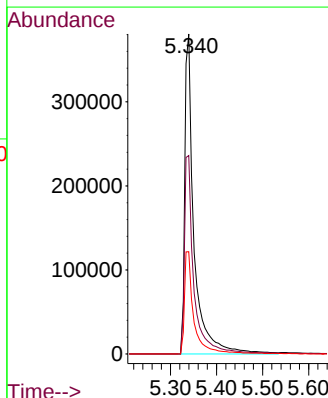
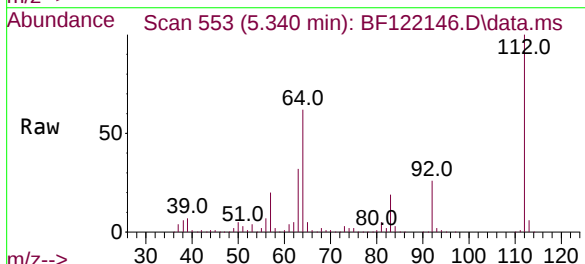
Instrument :
BNA_F
ClientSampleId :
VNJ-206

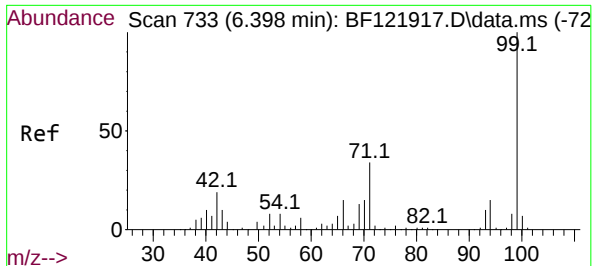
Tgt Ion:152 Resp: 89194
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 62.6 51.9 77.9



#5
2-Fluorophenol
Concen: 88.01 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:112 Resp: 531868
Ion Ratio Lower Upper
112 100
64 62.0 50.4 75.6
63 32.0 25.8 38.6

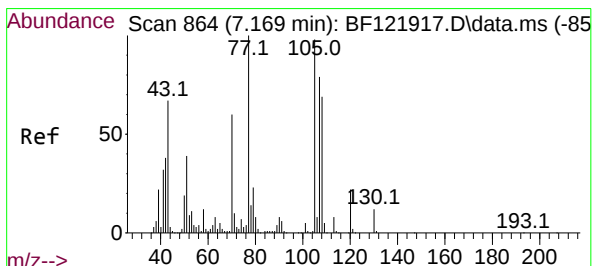
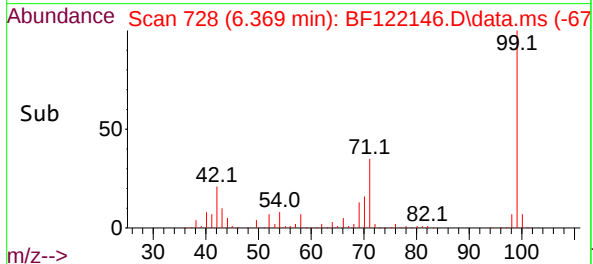
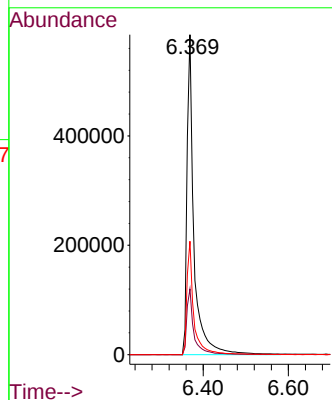
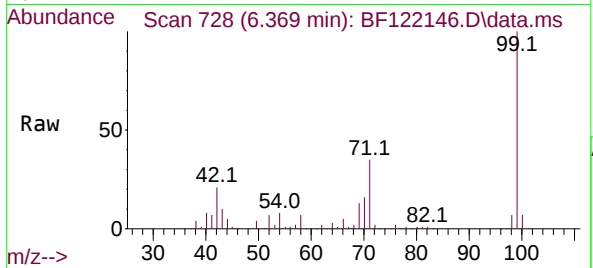




#7
Phenol-d6
Concen: 85.25 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

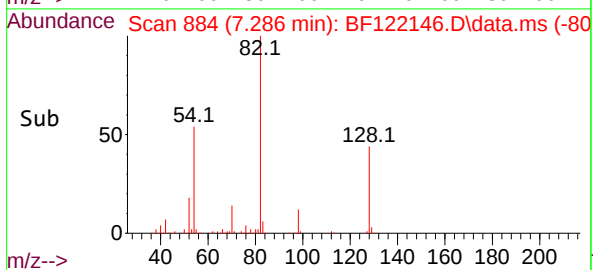
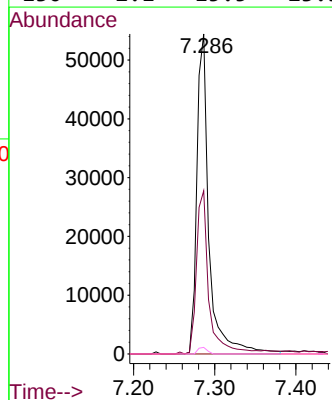
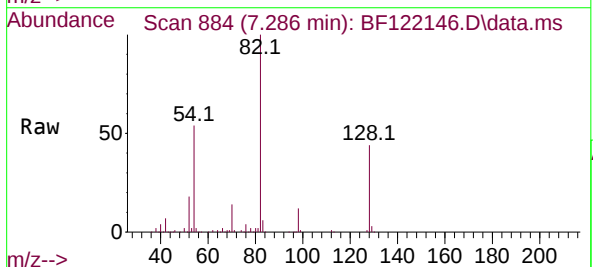
Instrument :
BNA_F
ClientSampleId :
VNJ-206

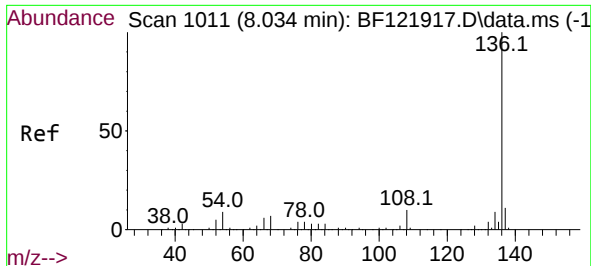
Tgt Ion: 99 Resp: 663185
Ion Ratio Lower Upper
99 100
42 20.6 15.9 23.9
71 35.4 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.82 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.147 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion: 70 Resp: 56796
Ion Ratio Lower Upper
70 100
42 51.0 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



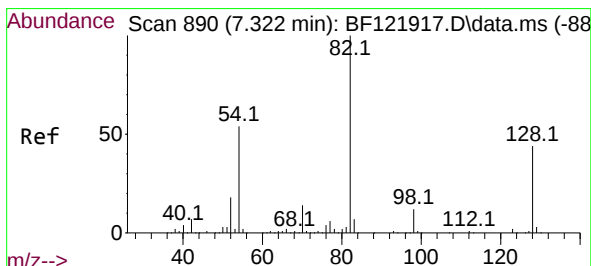
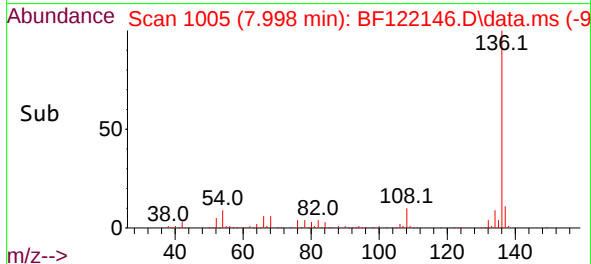
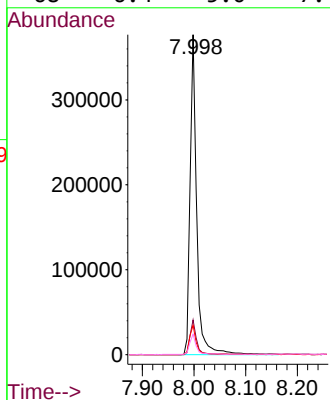
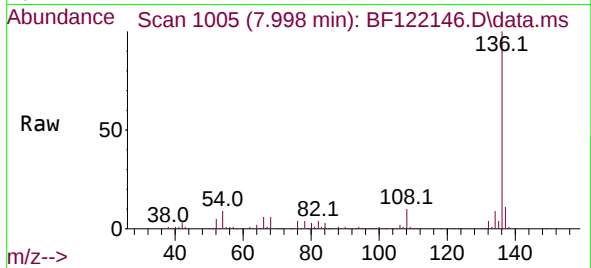


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Instrument :
BNA_F
ClientSampleId :
VNJ-206

Tgt Ion:136 Resp: 336232

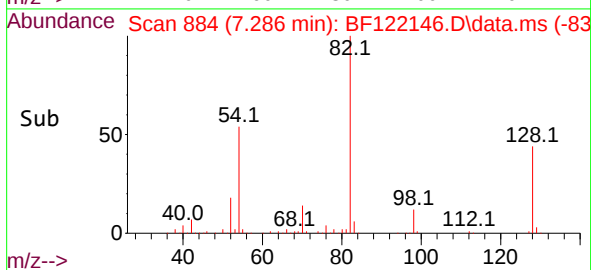
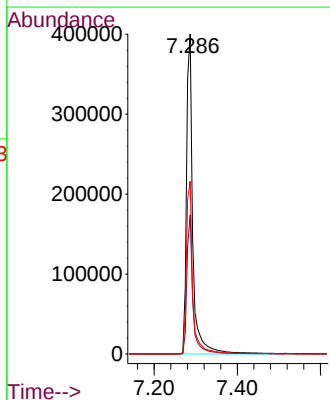
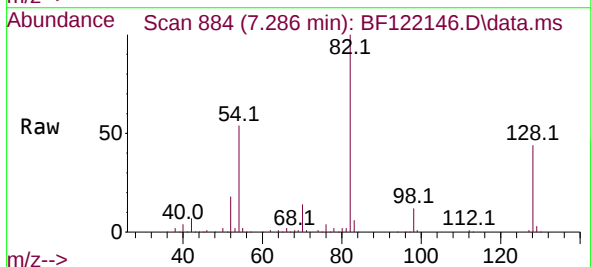
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.1	7.1	10.7
68	6.4	5.0	7.4

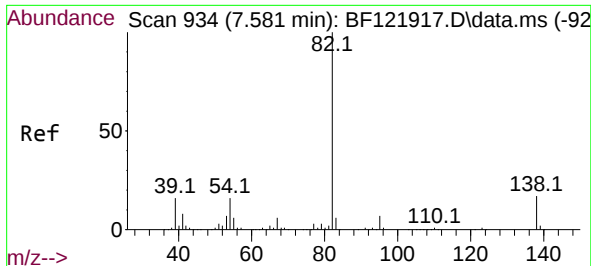


#23
Nitrobenzene-d5
Concen: 63.86 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion: 82 Resp: 418648

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.0	52.4
54	54.0	43.9	65.9

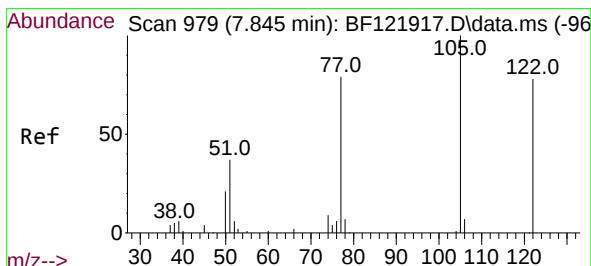
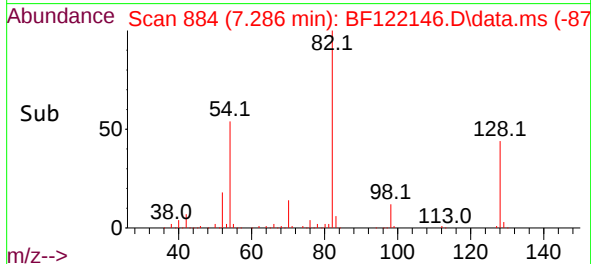
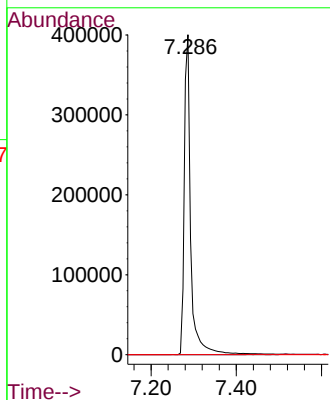
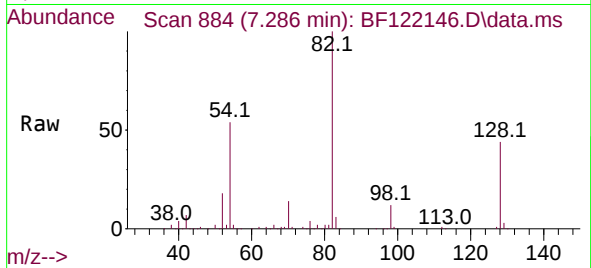




#25
Isophorone
Concen: 33.77 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.259 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

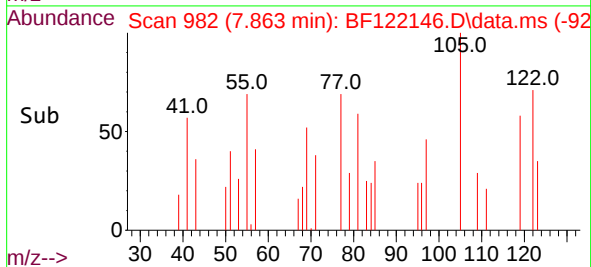
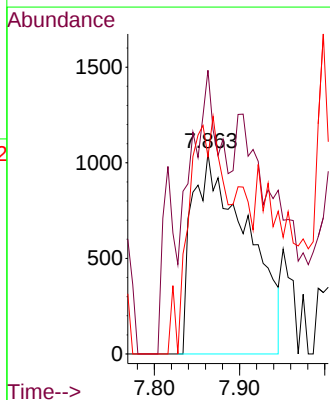
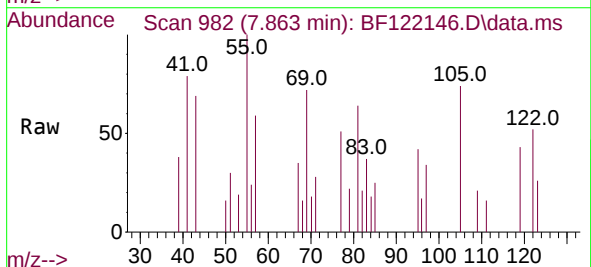
Instrument :
BNA_F
ClientSampleId :
VNJ-206

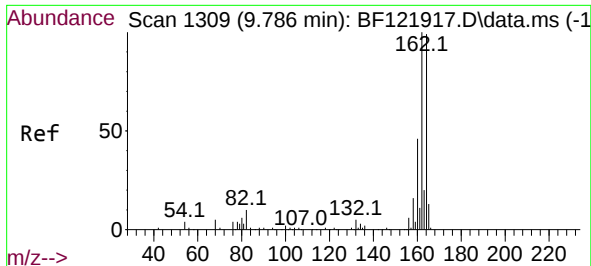
Tgt Ion: 82 Resp: 418646
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 8.93 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.035 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion: 122 Resp: 4665
Ion Ratio Lower Upper
122 100
105 141.3 103.3 143.3
77 98.2 73.9 113.9





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.000 min

Lab File: BF122146.D

Acq: 28 Oct 2020 14:21

Instrument :

BNA_F

ClientSampleId :

VNJ-206

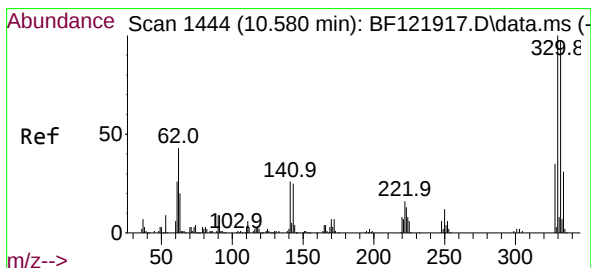
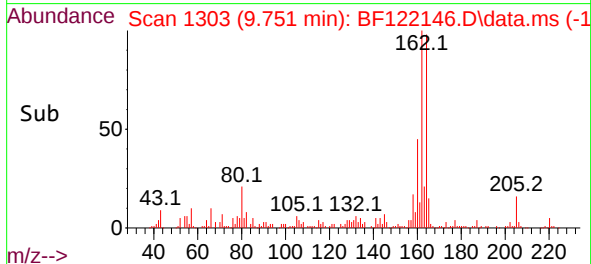
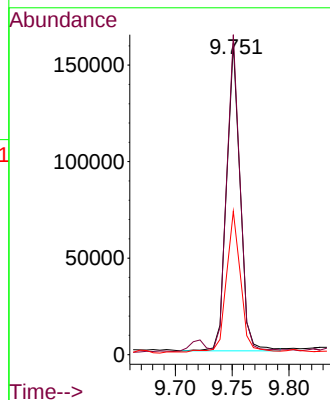
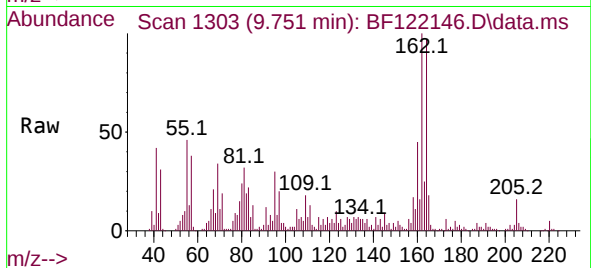
Tgt Ion:164 Resp: 132814

Ion Ratio Lower Upper

164 100

162 102.8 83.2 124.8

160 46.0 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 84.38 ng

RT: 10.557 min Scan# 1440

Delta R.T. 0.012 min

Lab File: BF122146.D

Acq: 28 Oct 2020 14:21

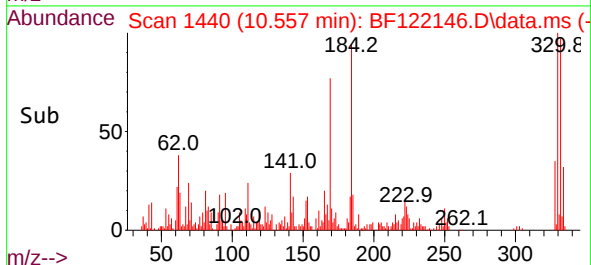
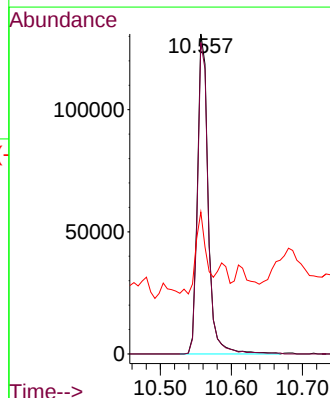
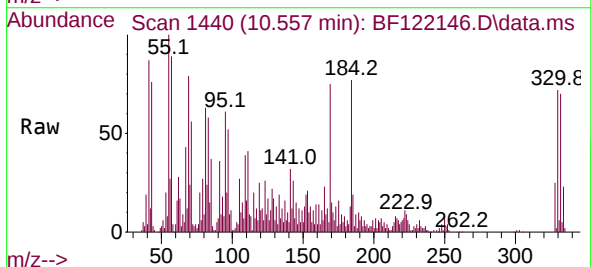
Tgt Ion:330 Resp: 138635

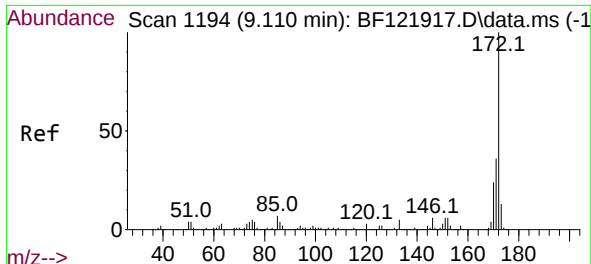
Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 24.3 22.3 33.5

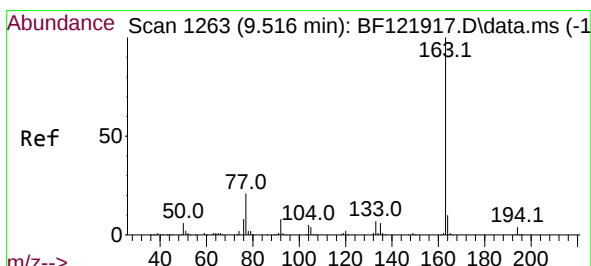
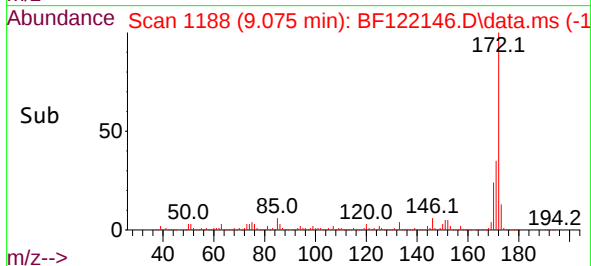
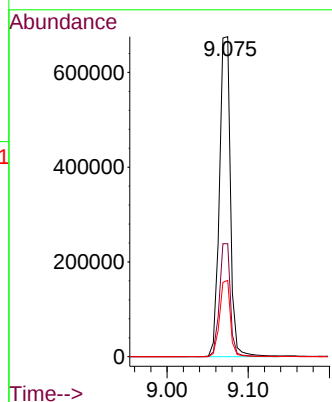
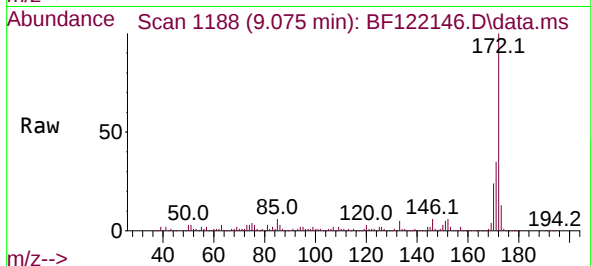




#45
2-Fluorobiphenyl
Concen: 70.66 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

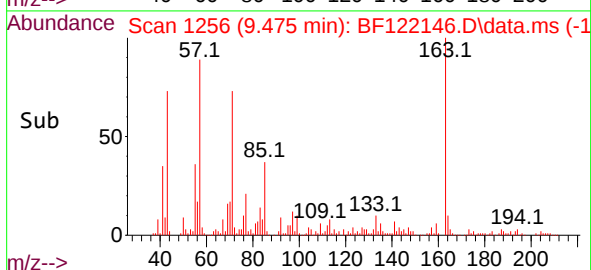
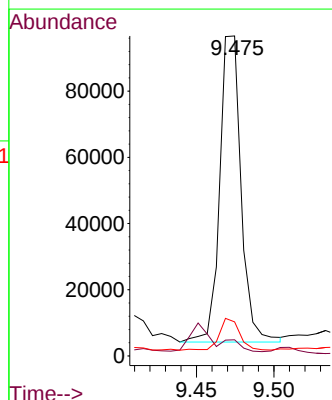
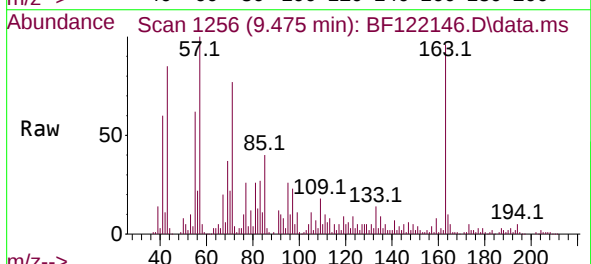
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ClientSampled :
VNJ-206

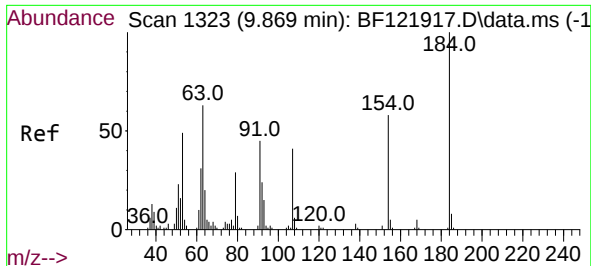
Tgt Ion:172 Resp: 637816
Ion Ratio Lower Upper
172 100
171 35.3 29.1 43.7
170 23.8 19.8 29.6



#50
Dimethylphthalate
Concen: 9.14 ng
RT: 9.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:163 Resp: 88779
Ion Ratio Lower Upper
163 100
194 5.1 3.3 4.9#
164 10.7 8.2 12.4

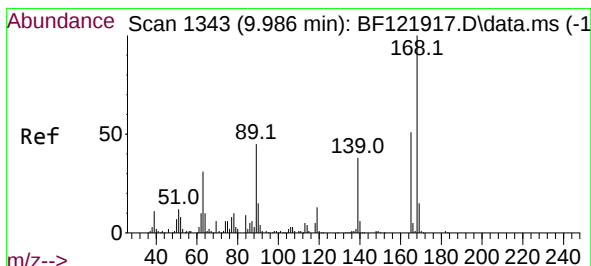
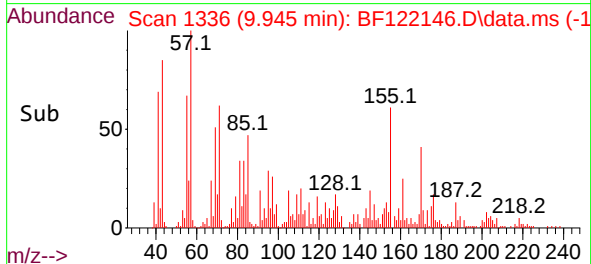
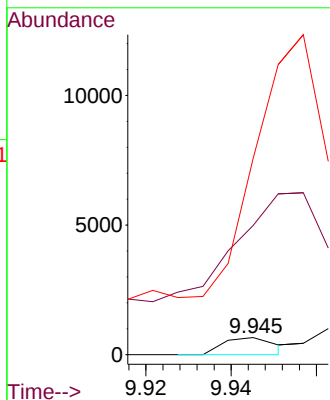
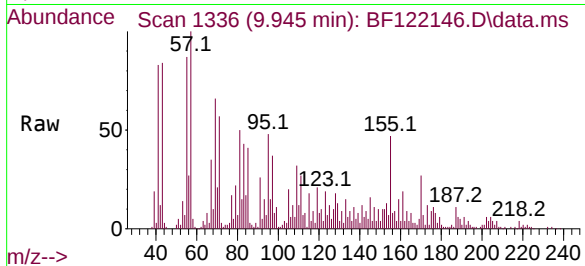




#54
2,4-Dinitrophenol
Concen: 9.15 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.100 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

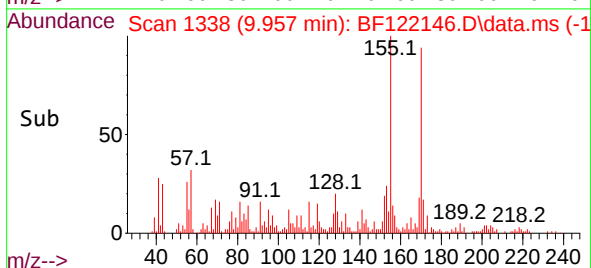
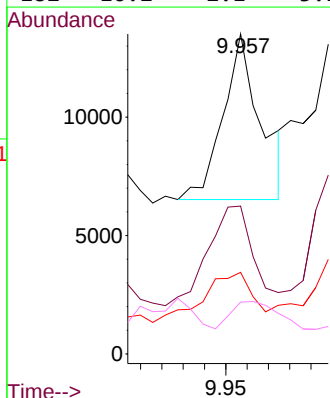
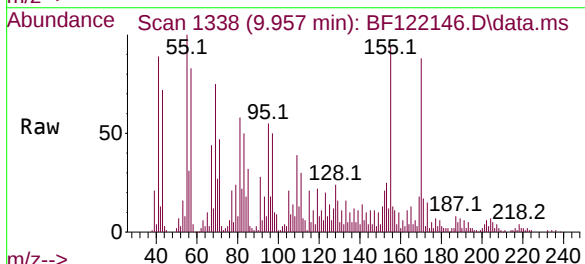
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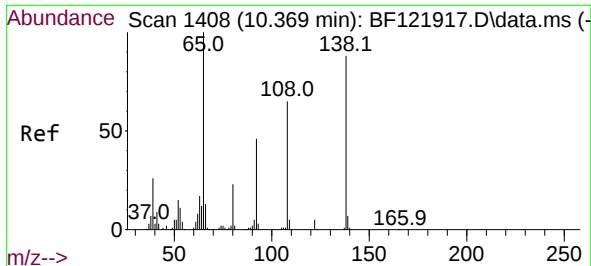
Tgt Ion:184 Resp: 561
Ion Ratio Lower Upper
184 100
63 757.3 45.9 68.9#
154 1149.2 45.8 68.6#



#57
2,4-Dinitrotoluene
Concen: 3.26 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:165 Resp: 8537
Ion Ratio Lower Upper
165 100
63 46.2 41.3 61.9
89 25.5 61.8 92.8#
182 16.2 2.1 3.1#

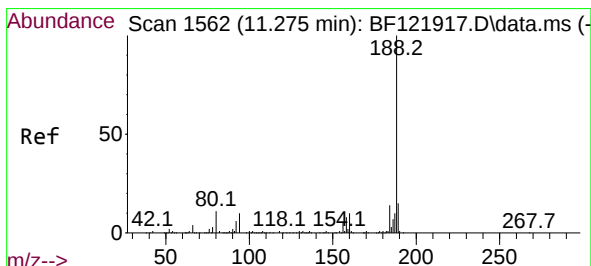
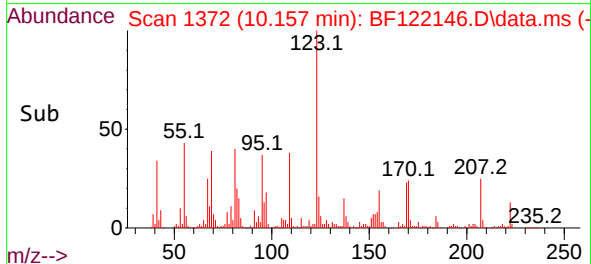
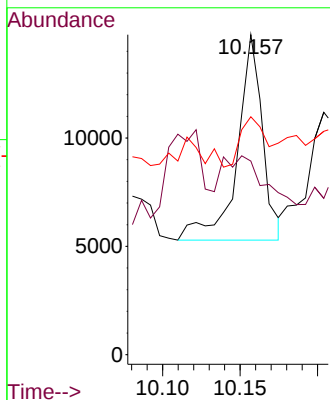
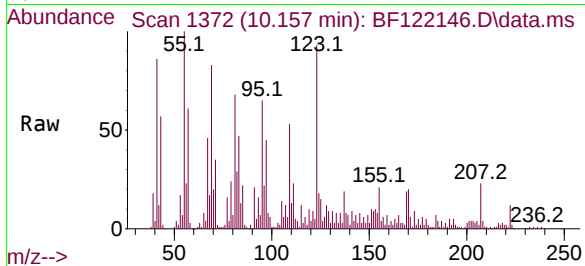




#62
4-Nitroaniline
Concen: 4.46 ng
RT: 10.157 min Scan# 1372
Delta R.T. -0.182 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

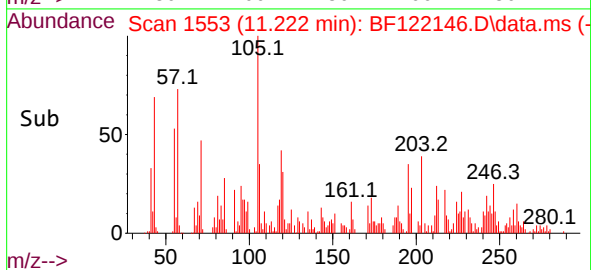
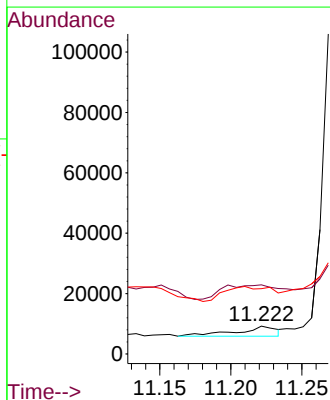
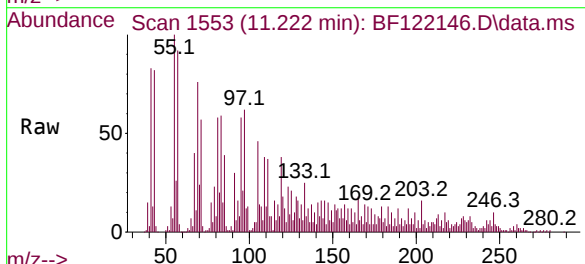
Instrument :
BNA_F
ClientSampled :
VNJ-206

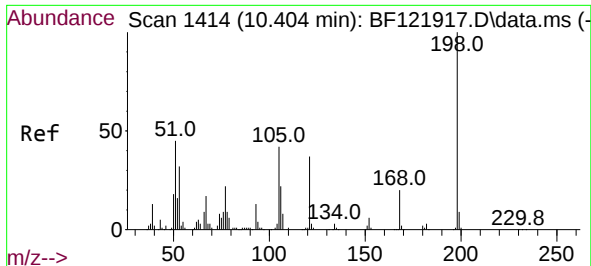
Tgt Ion:138 Resp: 10786
Ion Ratio Lower Upper
138 100
92 60.5 31.0 71.0
108 74.4 51.5 91.5



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.222 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:188 Resp: 6379
Ion Ratio Lower Upper
188 100
94 247.5 8.3 12.5#
80 234.0 9.1 13.7#

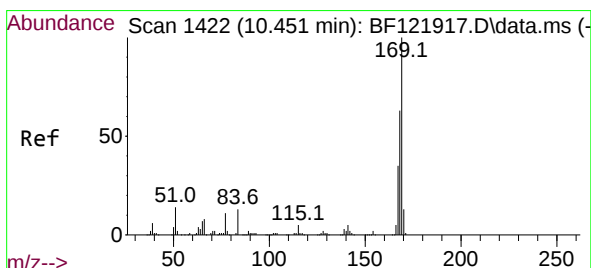
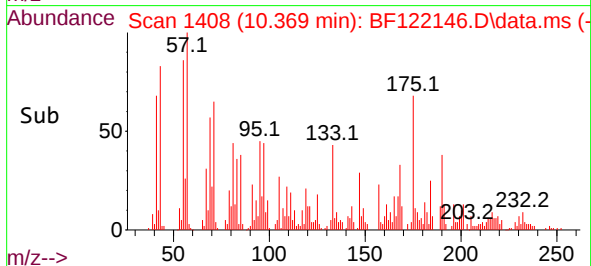
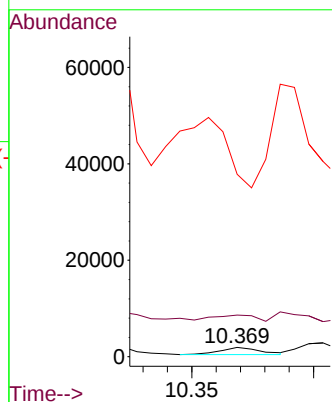
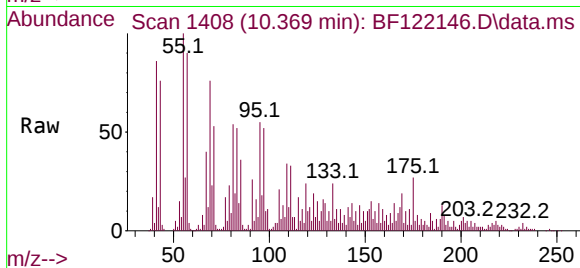




#65
4,6-Dinitro-2-methylphenol
Concen: 39.85 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

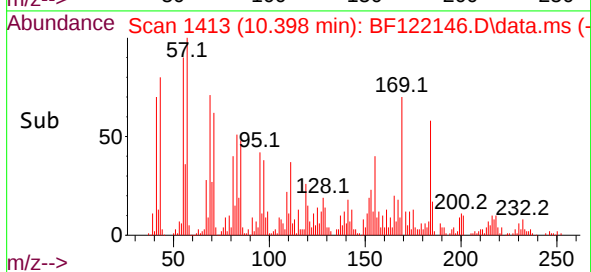
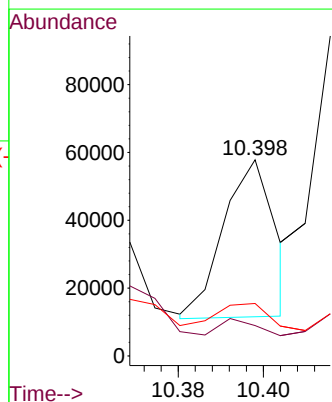
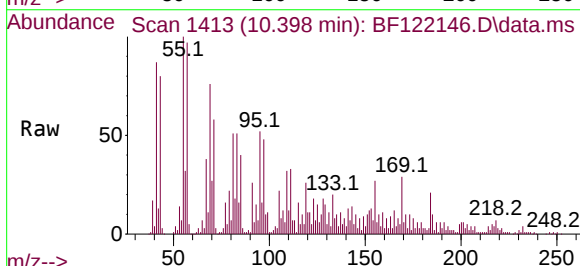
Instrument :
BNA_F
ClientSampled :
VNJ-206

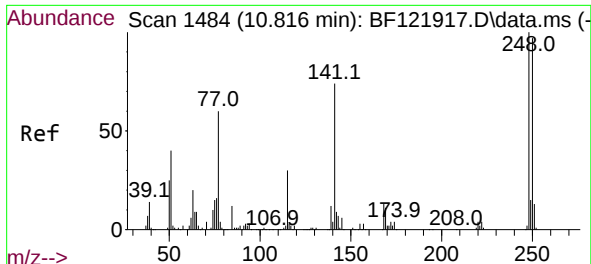
Tgt Ion:198 Resp: 1668
Ion Ratio Lower Upper
198 100
51 449.3 29.6 69.6#
105 1966.3 24.4 64.4#



#66
n-Nitrosodiphenylamine
Concen: 178.75 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:169 Resp: 39279
Ion Ratio Lower Upper
169 100
168 15.5 50.0 75.0#
167 26.7 27.8 41.6#

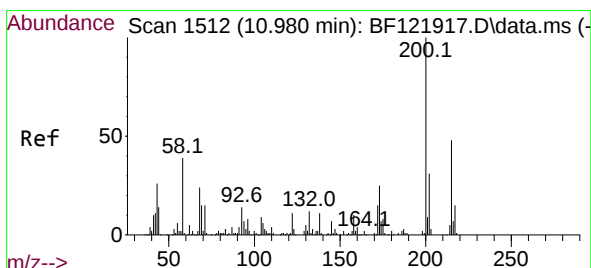
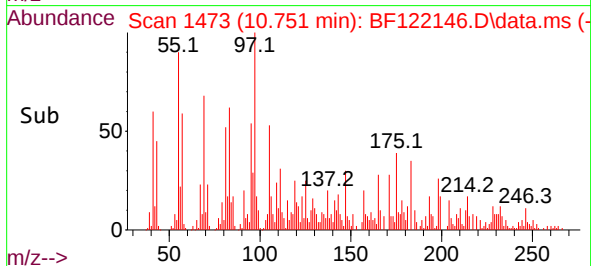
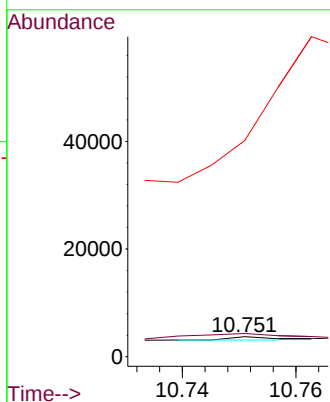
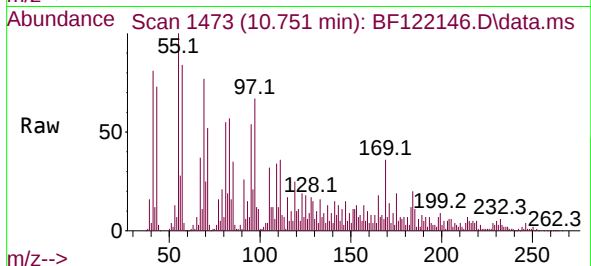




#67
4-Bromophenyl-phenylether
Concen: 4.22 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.024 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

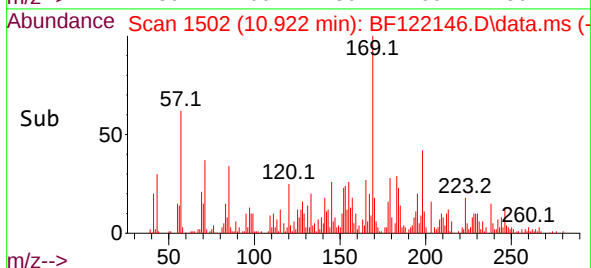
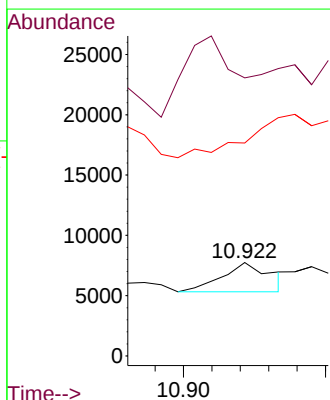
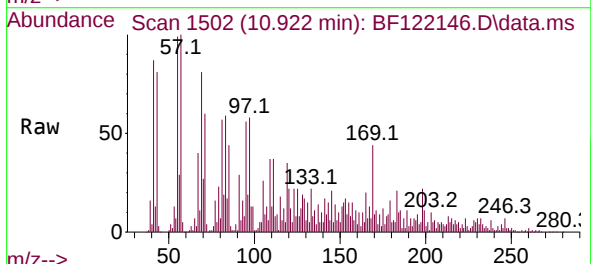
Instrument :
BNA_F
ClientSampleId :
VNJ-206

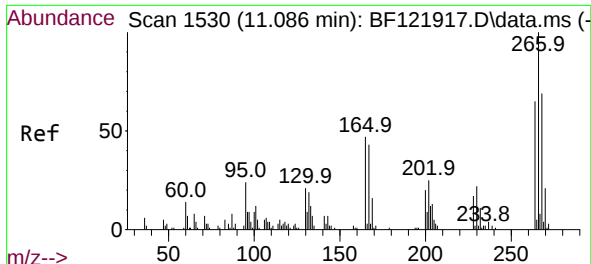
Tgt Ion:248 Resp: 311
Ion Ratio Lower Upper
248 100
250 116.3 77.0 115.6#
141 1079.3 53.7 80.5#



#69
Atrazine
Concen: 53.92 ng
RT: 10.922 min Scan# 1502
Delta R.T. -0.018 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:200 Resp: 2897
Ion Ratio Lower Upper
200 100
173 297.8 7.5 47.5#
215 228.0 27.1 67.1#

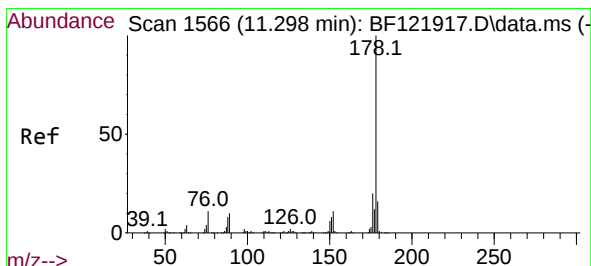
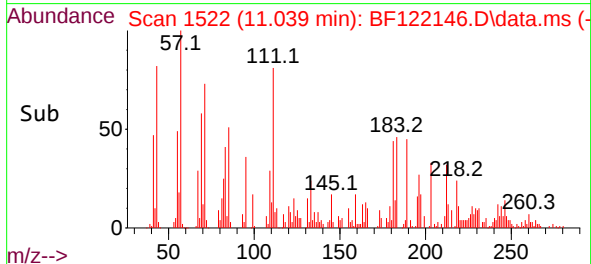
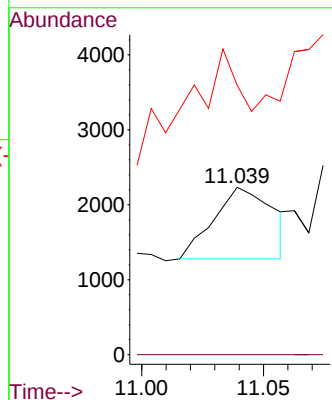
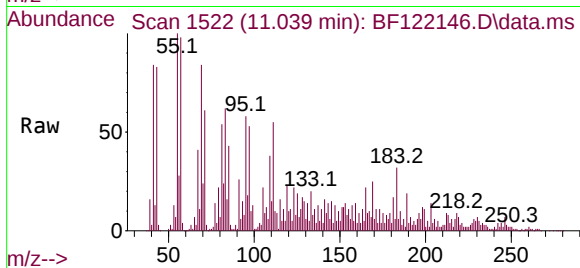




#70
Pentachlorophenol
Concen: 51.99 ng
RT: 11.039 min Scan# 1522
Delta R.T. -0.018 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

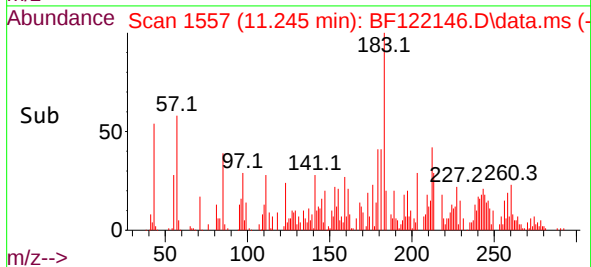
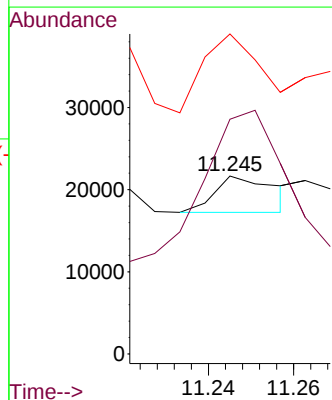
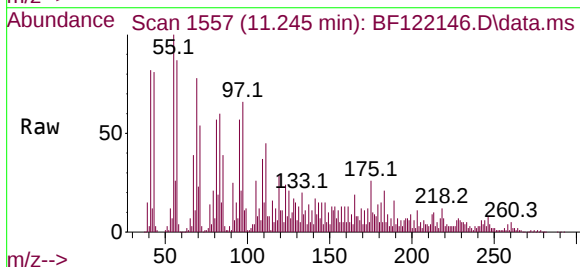
Instrument :
BNA_F
ClientSampleId :
VNJ-206

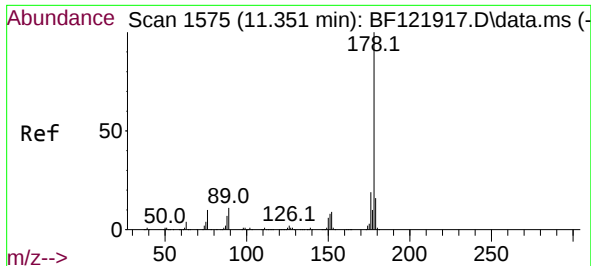
Tgt Ion:266 Resp: 1604
Ion Ratio Lower Upper
266 100
268 0.0 52.4 78.6#
264 161.0 49.9 74.9#



#71
Phenanthrene
Concen: 12.37 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.018 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:178 Resp: 4326
Ion Ratio Lower Upper
178 100
176 131.9 15.9 23.9#
179 179.8 12.2 18.4#

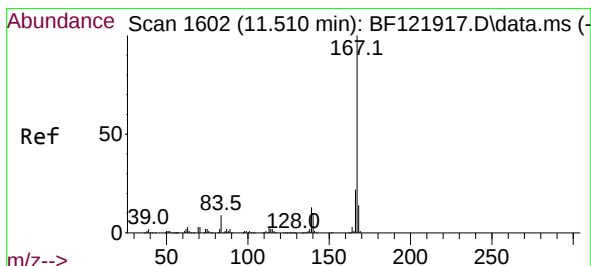
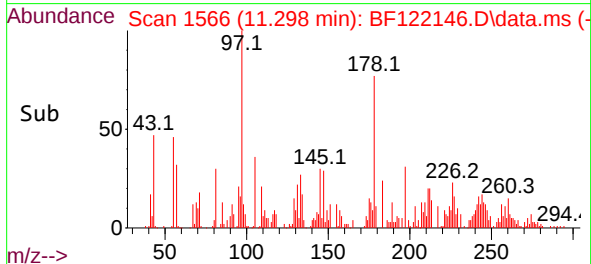
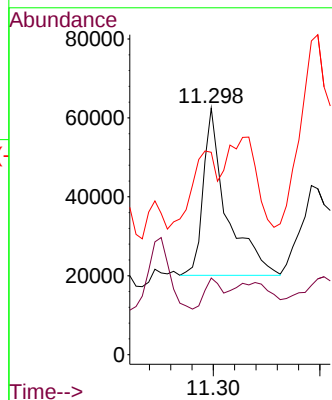
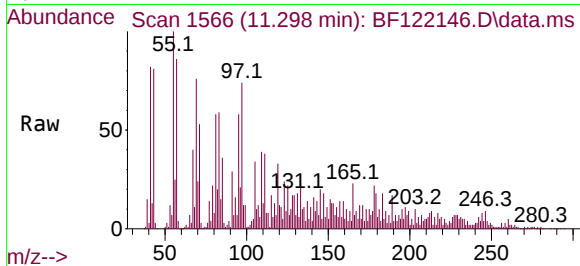




#72
 Anthracene
 Concen: 178.63 ng
 RT: 11.298 min Scan# 1566
 Delta R.T. -0.018 min
 Lab File: BF122146.D
 Acq: 28 Oct 2020 14:21

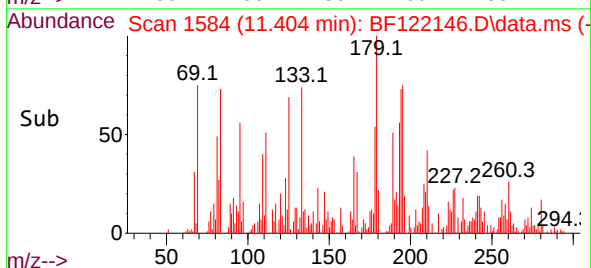
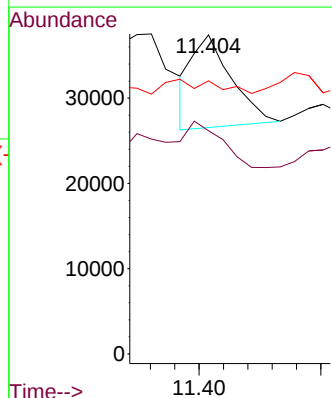
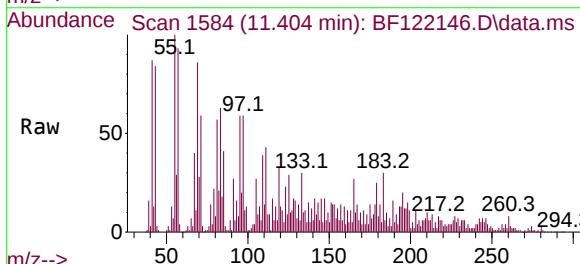
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

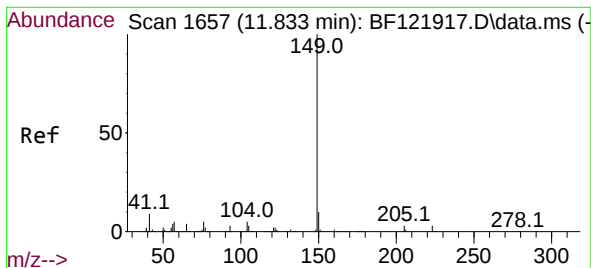
Tgt Ion:178 Resp: 64799
 Ion Ratio Lower Upper
 178 100
 176 31.1 15.7 23.5#
 179 82.1 12.7 19.1#



#73
 Carbazole
 Concen: 38.26 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. -0.071 min
 Lab File: BF122146.D
 Acq: 28 Oct 2020 14:21

Tgt Ion:167 Resp: 12342
 Ion Ratio Lower Upper
 167 100
 166 70.0 17.8 26.6#
 139 85.6 10.8 16.2#

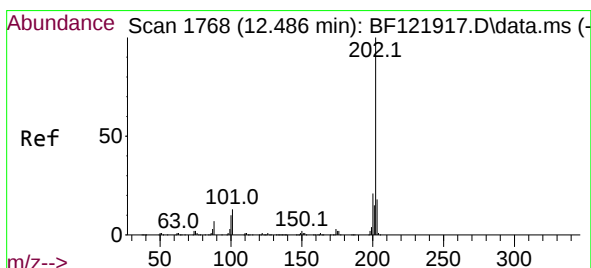
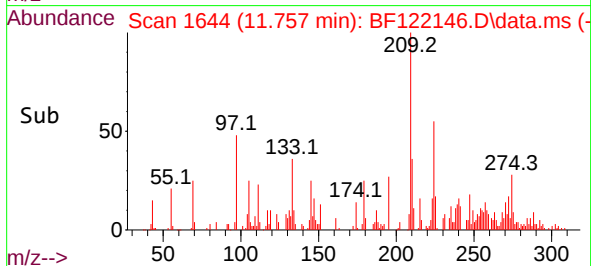
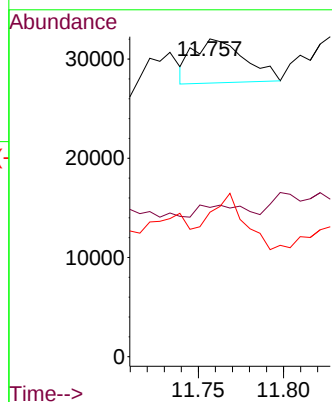
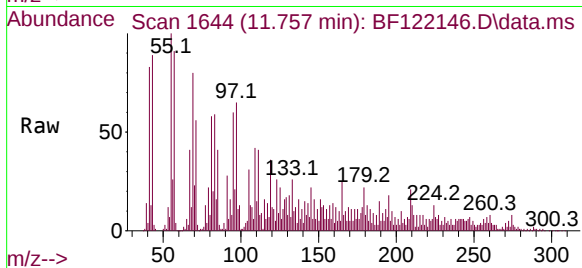




#74
Di-n-butylphthalate
Concen: 25.06 ng
RT: 11.757 min Scan# 1644
Delta R.T. -0.035 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

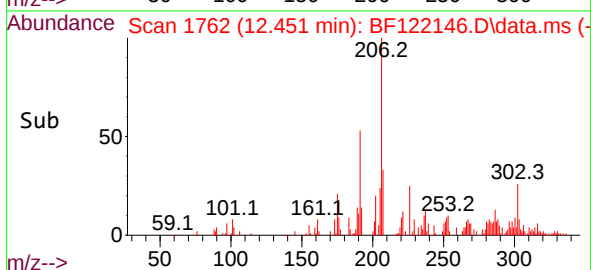
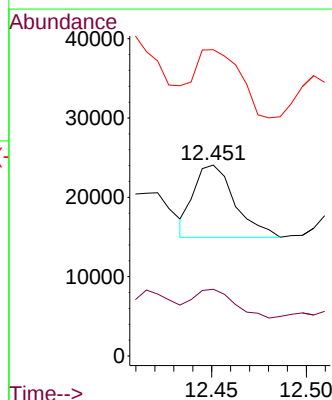
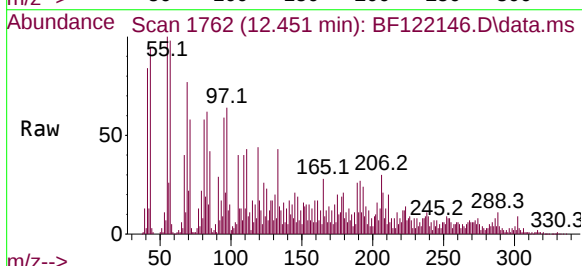
Instrument :
BNA_F
ClientSampled :
VNJ-206

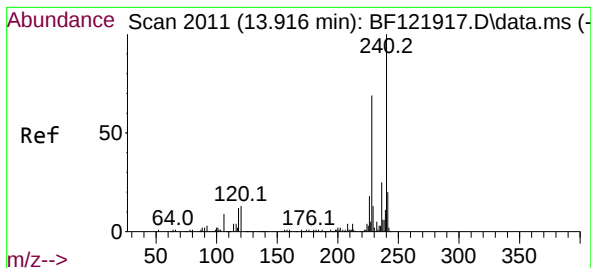
Tgt Ion:149 Resp: 9298
Ion Ratio Lower Upper
149 100
150 47.0 7.7 11.5#
104 45.5 4.2 6.2#



#75
Fluoranthene
Concen: 36.60 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:202 Resp: 13726
Ion Ratio Lower Upper
202 100
101 35.0 0.0 33.4#
203 160.5 0.0 37.9#

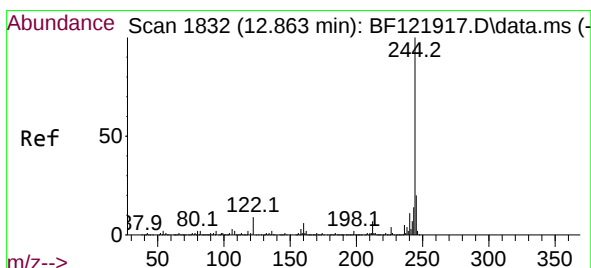
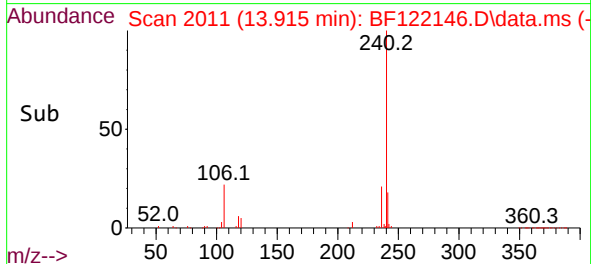
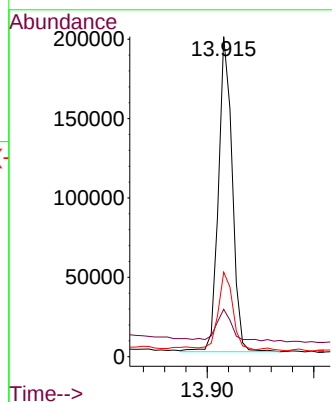
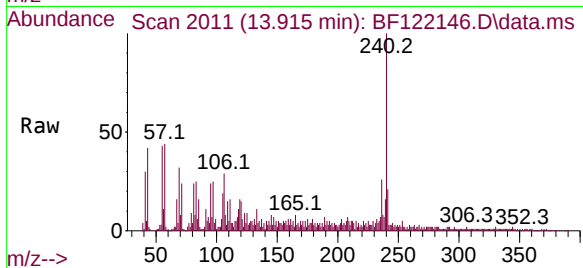




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.915 min Scan# 2011
Delta R.T. 0.035 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

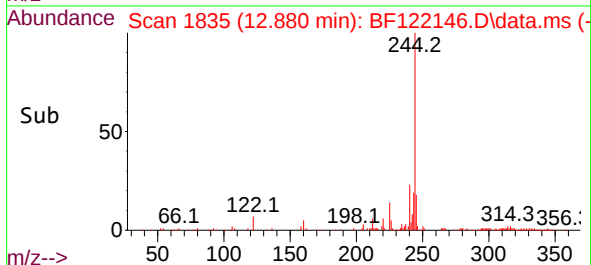
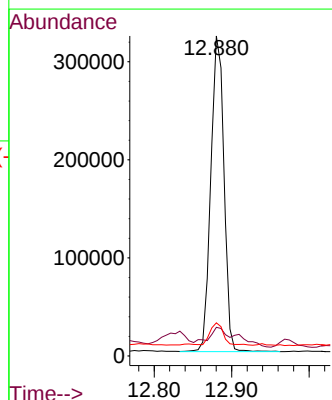
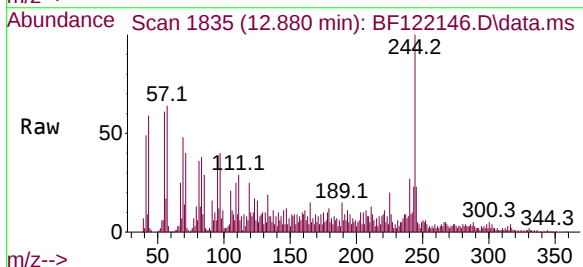
Instrument :
BNA_F
ClientSampleId :
VNJ-206

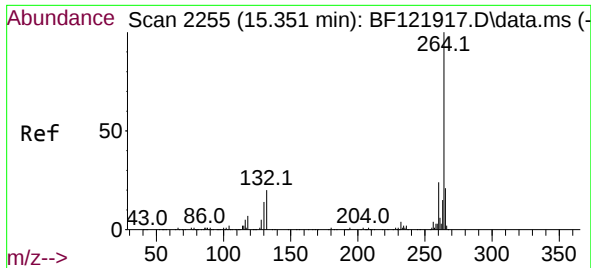
Tgt Ion:240 Resp: 178753
Ion Ratio Lower Upper
240 100
120 14.8 9.2 13.8#
236 26.4 20.9 31.3



#79
Terphenyl-d14
Concen: 40.56 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.065 min
Lab File: BF122146.D
Acq: 28 Oct 2020 14:21

Tgt Ion:244 Resp: 380463
Ion Ratio Lower Upper
244 100
212 8.9 5.4 8.2#
122 10.4 8.1 12.1





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.321 min Scan# 2250
 Delta R.T. 0.018 min
 Lab File: BF122146.D
 Acq: 28 Oct 2020 14:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-206

Tgt Ion:264 Resp: 217375

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.7	17.3	25.9

