

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125975.D
 Acq On : 27 Oct 2021 21:26
 Operator : JU/CG
 Sample : M4356-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Quant Time: Oct 28 09:01:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

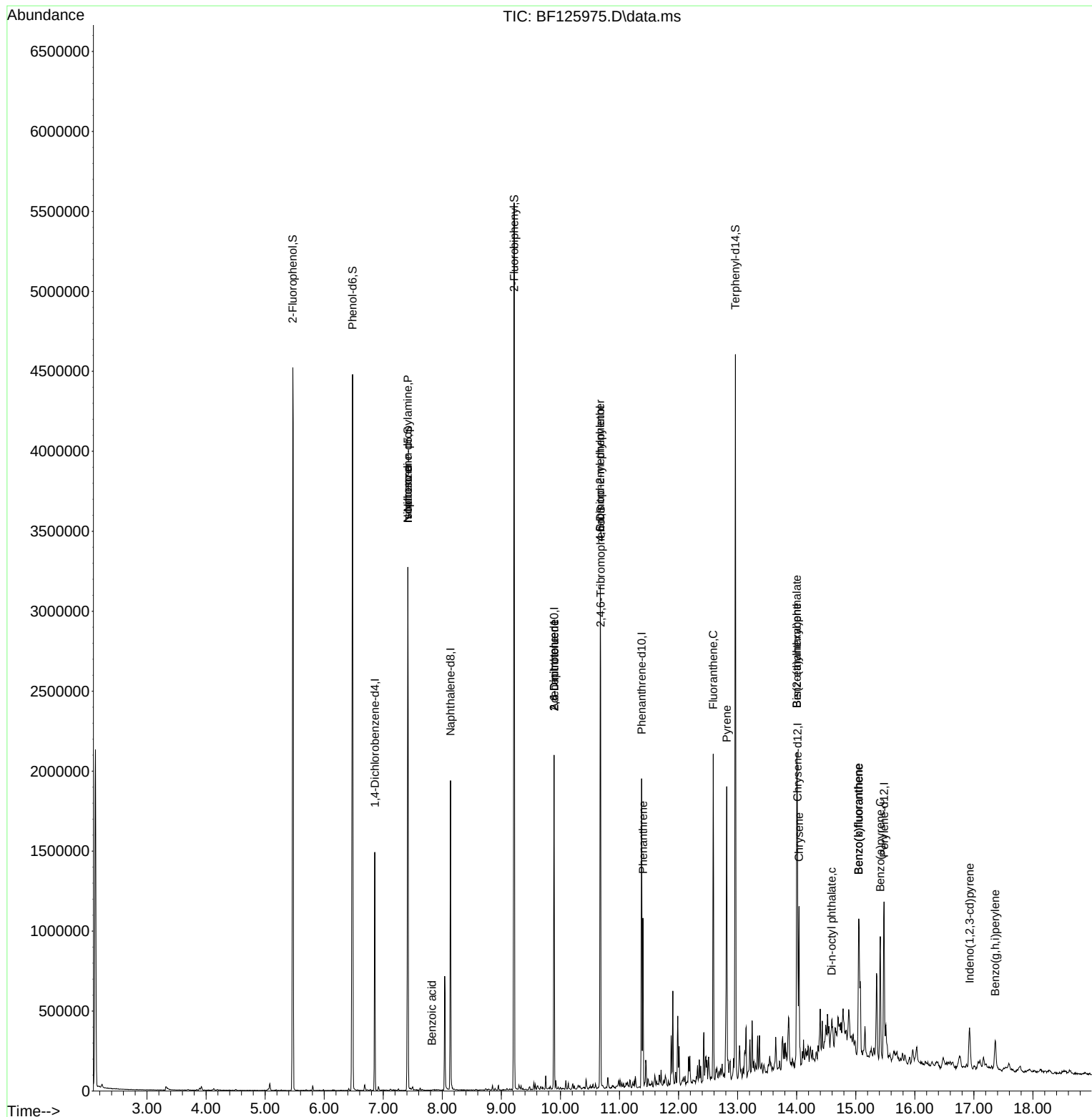
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	173380	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	713258	20.000	ng	#-0.02
39) Acenaphthene-d10	9.892	164	386606	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	655439	20.000	ng	-0.02
76) Chrysene-d12	14.015	240	398112	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	427488	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1179098	101.298	ng	-0.01
7) Phenol-d6	6.481	99	1492126	93.461	ng	-0.01
23) Nitrobenzene-d5	7.416	82	976725	70.734	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	325243	96.505	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1615805	73.911	ng	-0.02
79) Terphenyl-d14	12.963	244	1449937	59.574	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	133113	14.593	ng	# 62
25) Isophorone	7.416	82	976177	37.122	ng	# 59
32) Benzoic acid	7.822	122	133	4.186	ng	# 1
51) 2,6-Dinitrotoluene	9.892	165	49911	10.566	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	49911	8.603	ng	# 20
58) Fluorene	10.410	166	2178	Below Cal		92
65) 4,6-Dinitro-2-methylph...	10.674	198	777	6.301	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	23022	3.288	ng	# 1
71) Phenanthrene	11.398	178	343307	10.094	ng	97
75) Fluoranthene	12.586	202	732654	21.369	ng	97
78) Pyrene	12.816	202	731587	19.747	ng	97
81) Benzo(a)anthracene	14.004	228	357716	13.350	ng	96
83) Chrysene	14.039	228	386702	14.264	ng	96
84) Bis(2-ethylhexyl)phtha...	14.004	149	147245	11.278	ng	100
85) Di-n-octyl phthalate	14.592	149	74759	3.696	ng	# 33
87) Indeno(1,2,3-cd)pyrene	16.927	276	170875	5.548	ng	# 92
88) Benzo(b)fluoranthene	15.051	252	670613	23.766	ng	93
89) Benzo(k)fluoranthene	15.051	252	670613	24.743	ng	95
90) Benzo(a)pyrene	15.415	252	363259	15.947	ng	98
92) Benzo(g,h,i)perylene	17.362	276	151926	5.828	ng	91

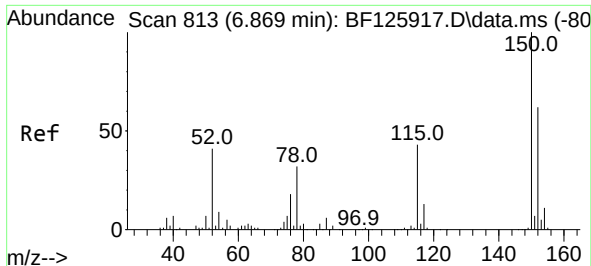
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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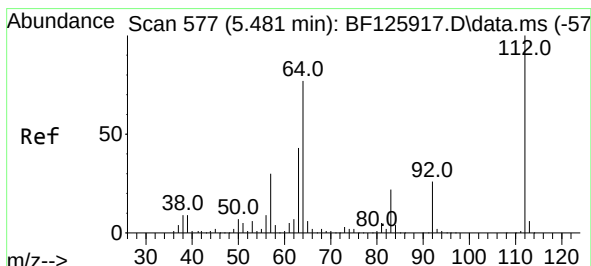
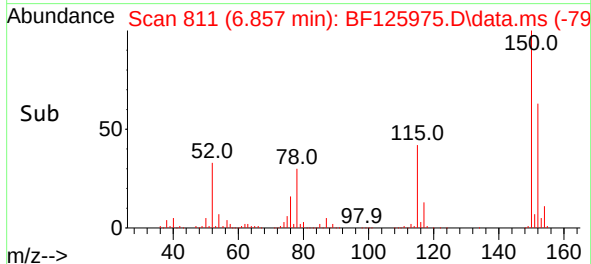
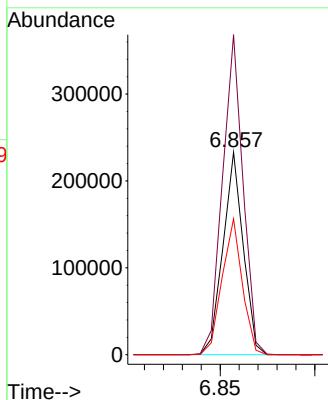
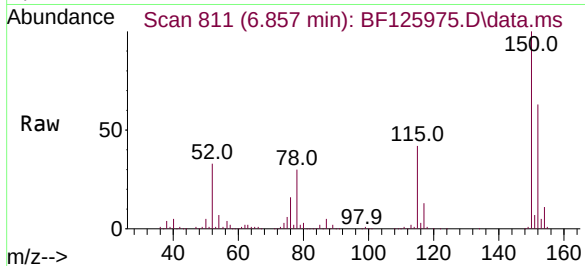




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

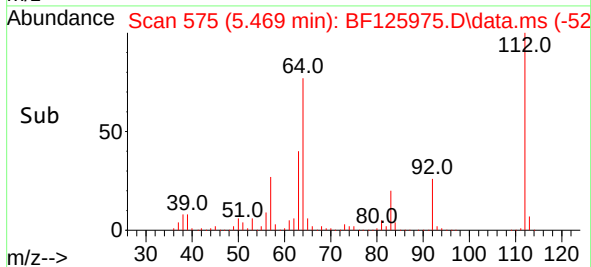
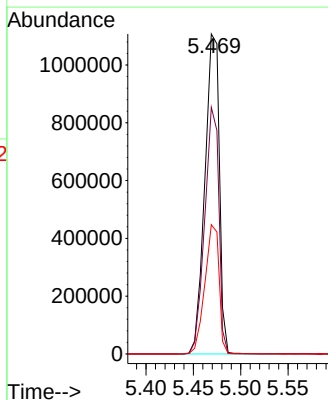
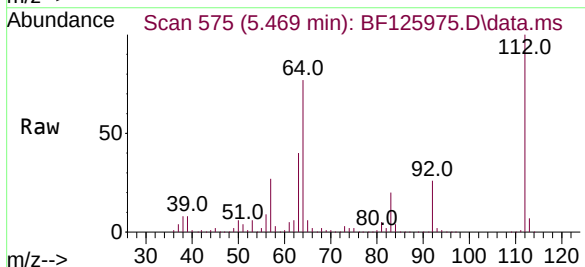
Instrument :
BNA_F
ClientSampleId :
VNJ-221

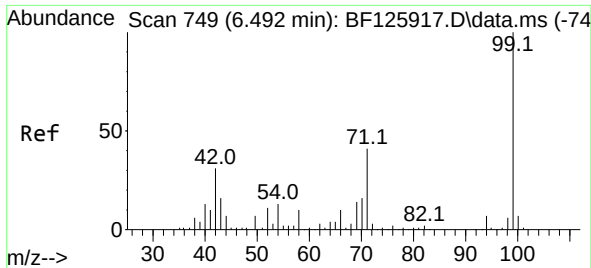
Tgt Ion:152 Resp: 173380
Ion Ratio Lower Upper
152 100
150 157.9 117.6 176.4
115 67.0 47.1 70.7



#5
2-Fluorophenol
Concen: 101.298 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:112 Resp: 1179098
Ion Ratio Lower Upper
112 100
64 77.1 44.2 66.2#
63 40.4 26.2 39.2#

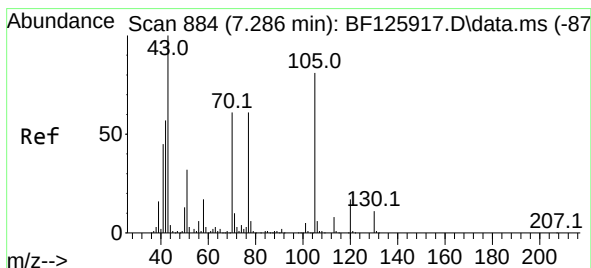
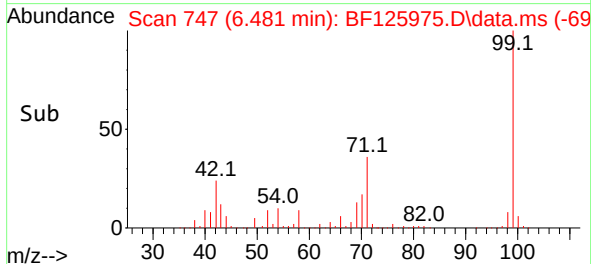
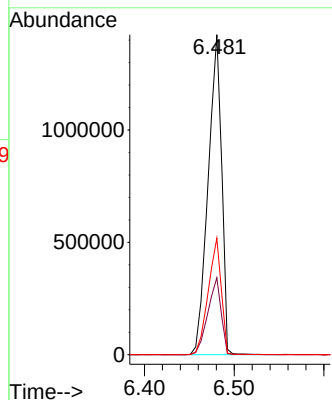
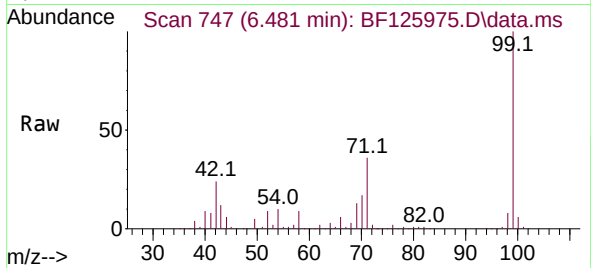




#7
Phenol-d6
Concen: 93.461 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

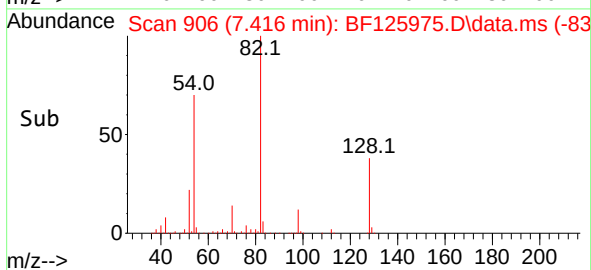
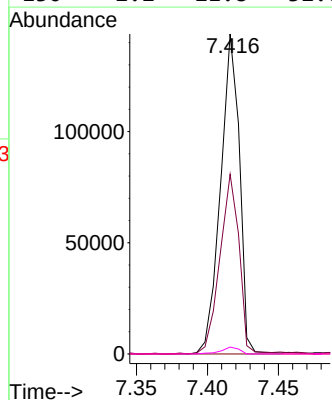
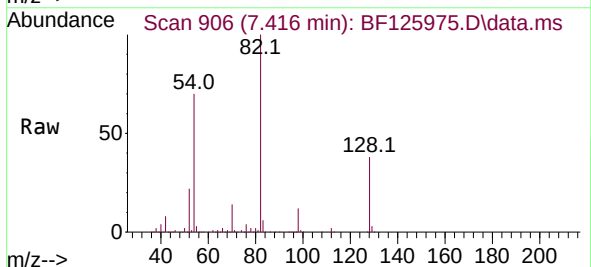
Instrument :
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ClientSampleId :
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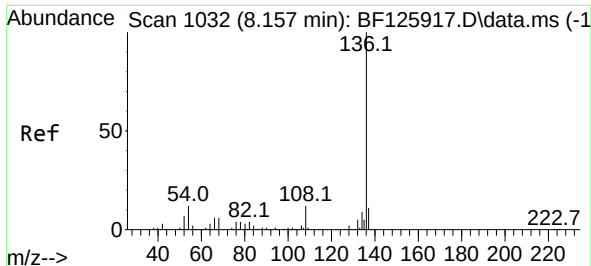
Tgt Ion: 99 Resp: 1492126
Ion Ratio Lower Upper
99 100
42 24.1 23.5 35.3
71 36.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.593 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.129 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion: 70 Resp: 133113
Ion Ratio Lower Upper
70 100
42 56.1 72.2 108.2#
101 0.0 7.8 11.8#
130 2.2 21.8 32.6#

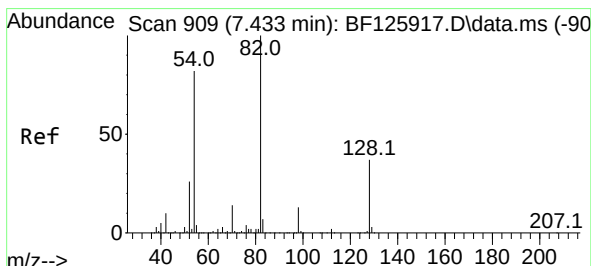
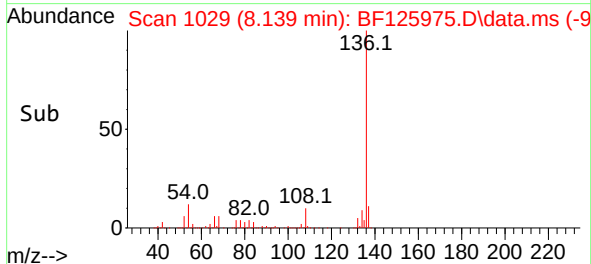
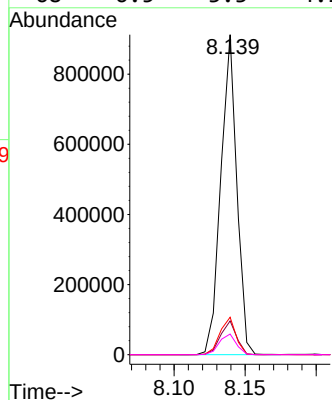
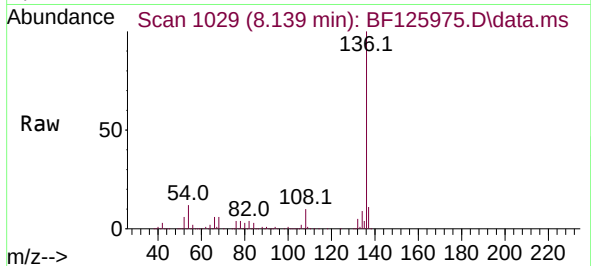




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

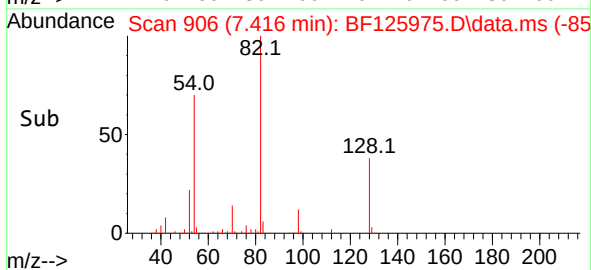
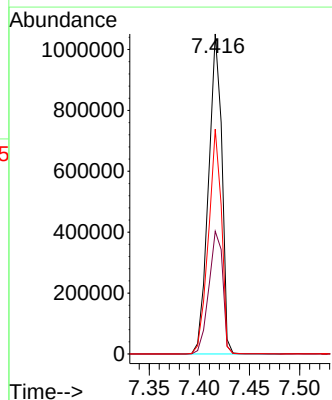
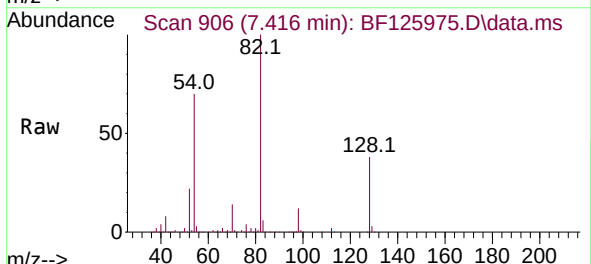
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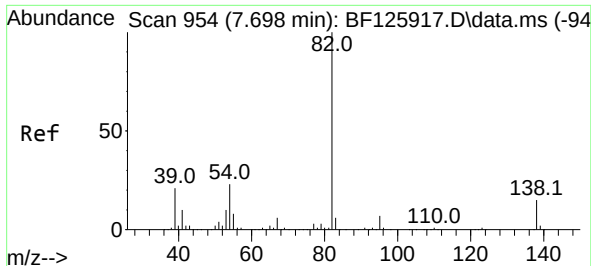
Tgt Ion:	136	Resp:	713258
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	11.7	6.4	9.6#
68	6.5	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 70.734 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:	82	Resp:	976725
Ion	Ratio	Lower	Upper
82	100		
128	38.4	40.6	60.8#
54	70.3	49.6	74.4

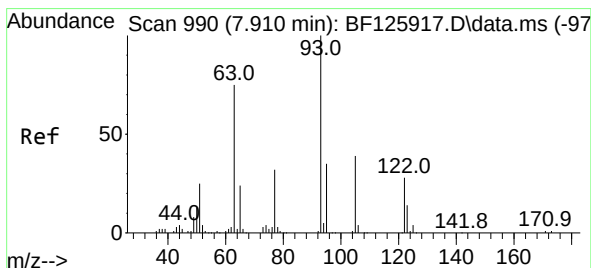
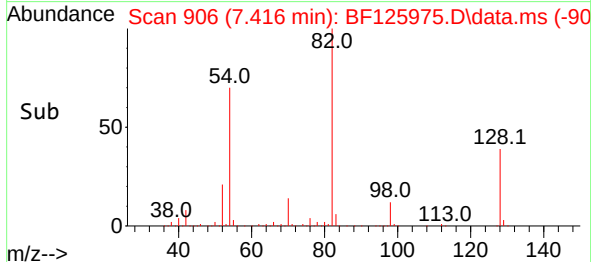
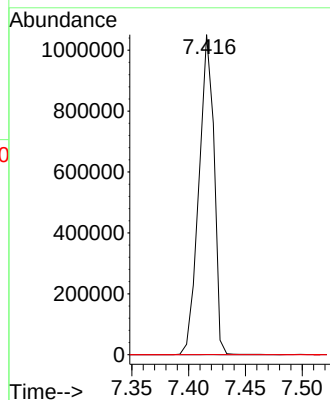
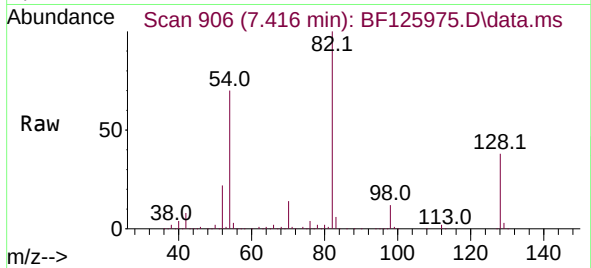




#25
Isophorone
Concen: 37.122 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.282 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

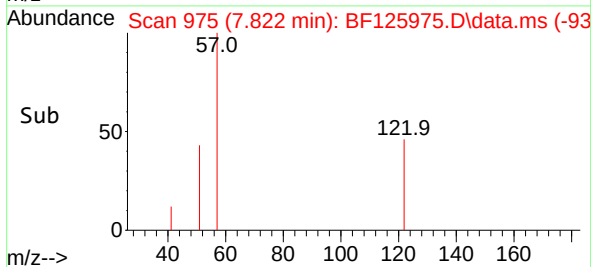
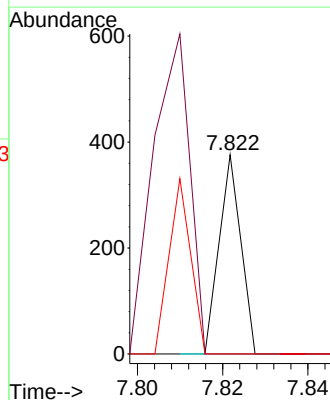
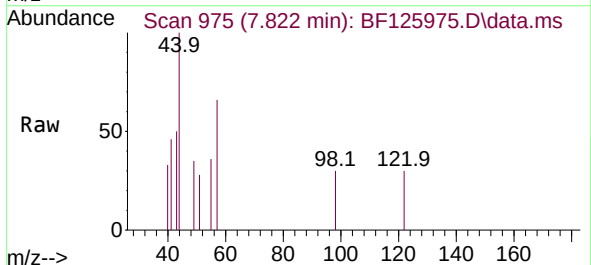
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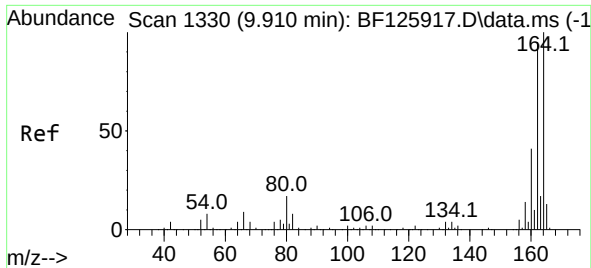
Tgt Ion: 82 Resp: 976177
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.186 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.088 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion: 122 Resp: 133
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 0.0 59.6 99.6#

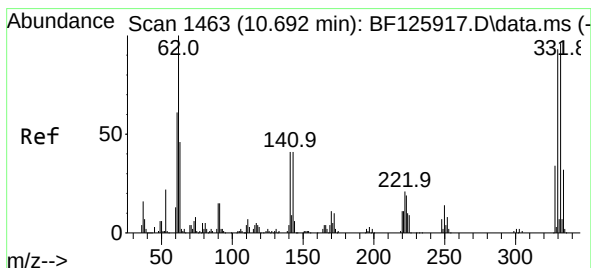
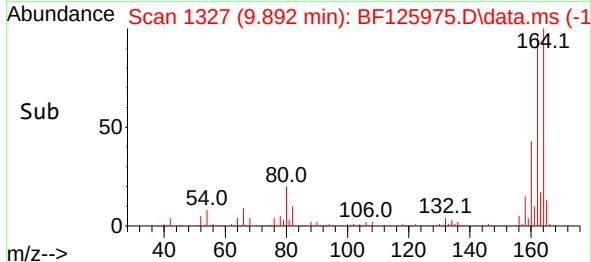
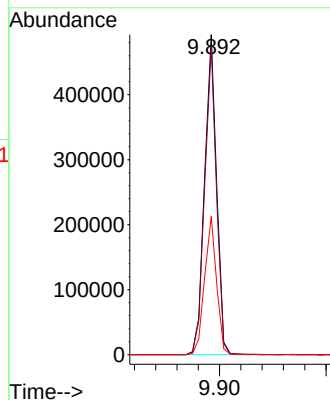
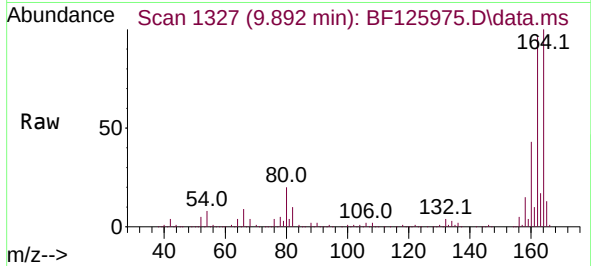




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

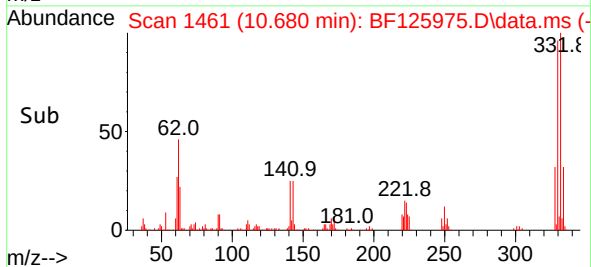
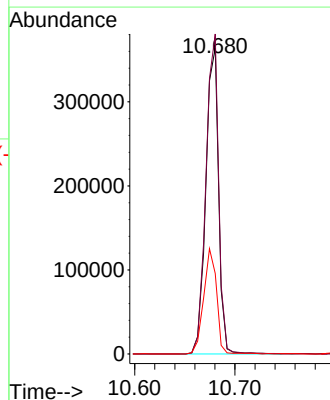
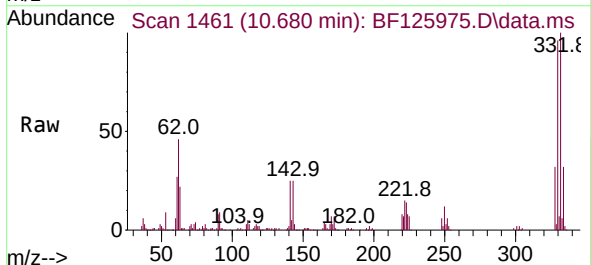
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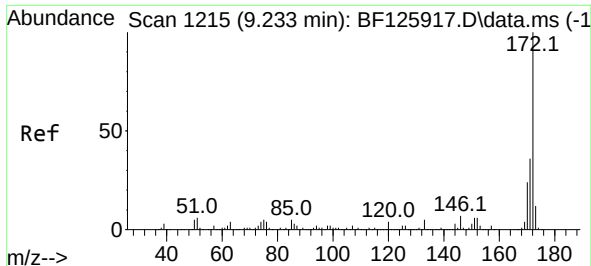
Tgt Ion:164 Resp: 386606
Ion Ratio Lower Upper
164 100
162 96.3 81.3 121.9
160 43.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 96.505 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:330 Resp: 325243
Ion Ratio Lower Upper
330 100
332 104.1 76.2 114.4
141 34.6 44.6 66.8#

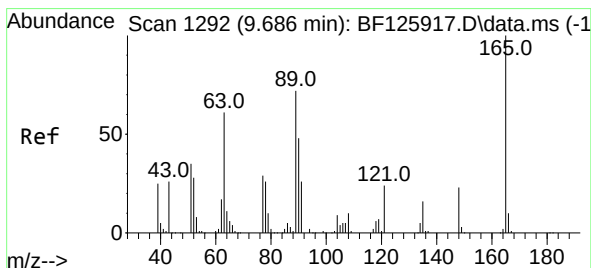
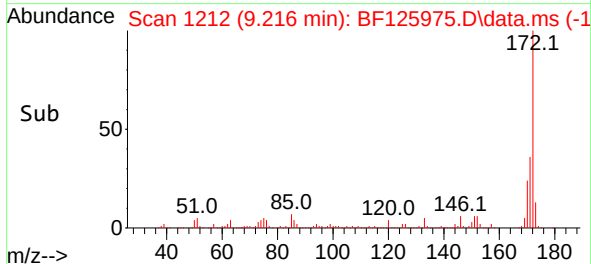
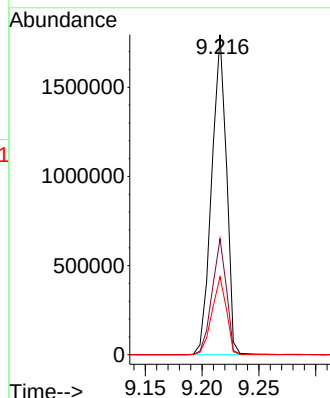
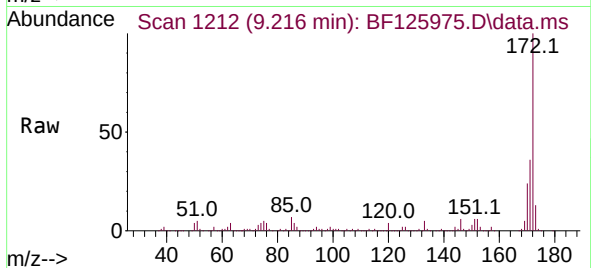




#45
2-Fluorobiphenyl
Concen: 73.911 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

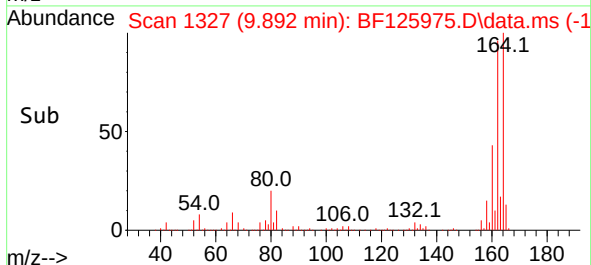
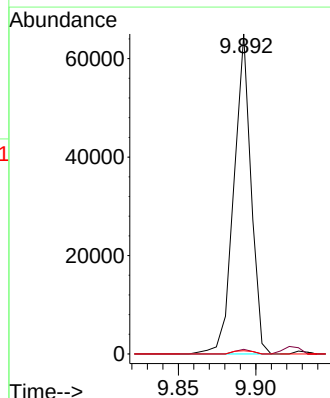
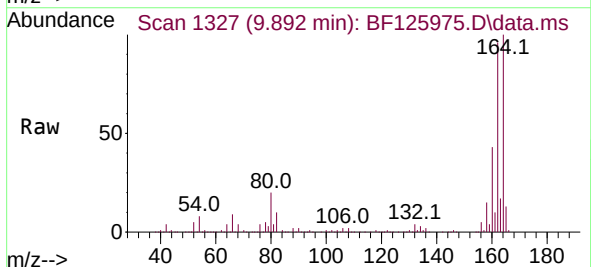
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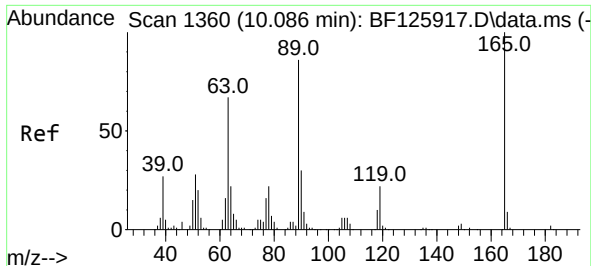
Tgt Ion:172 Resp: 1615805
Ion Ratio Lower Upper
172 100
171 36.3 26.5 39.7
170 24.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.566 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:165 Resp: 49911
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.0 40.6 60.8#

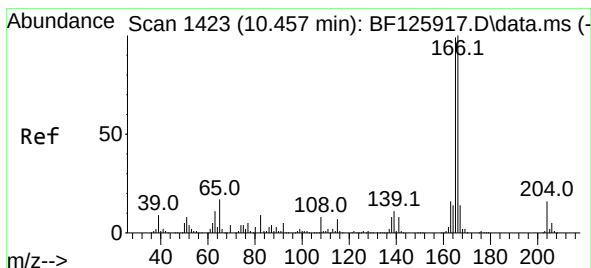
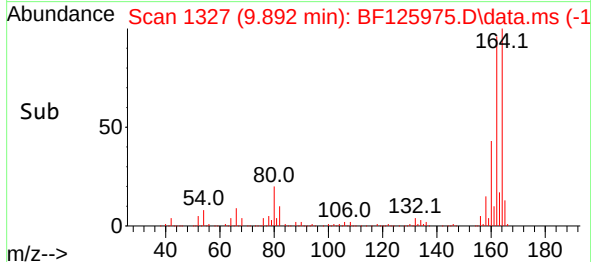
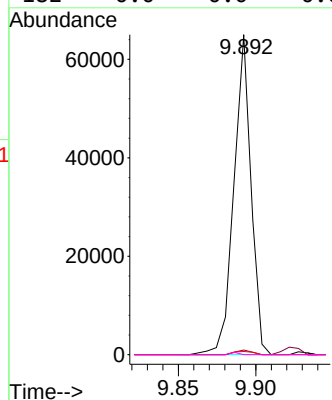
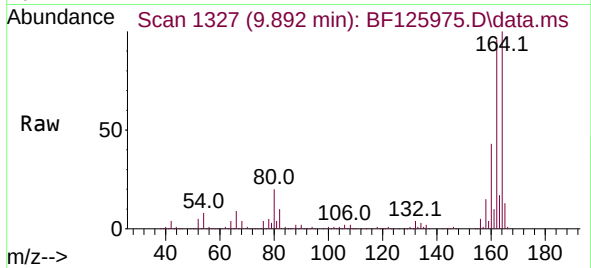




#57
2,4-Dinitrotoluene
Concen: 8.603 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

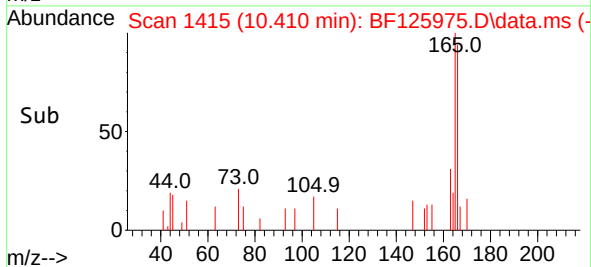
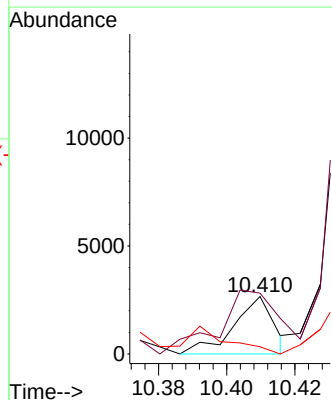
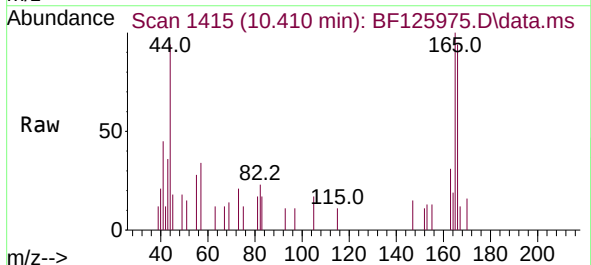
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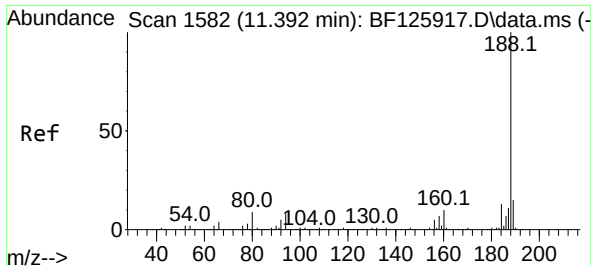
Tgt Ion:165 Resp: 49911
Ion Ratio Lower Upper
165 100
63 1.5 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: Below Cal
RT: 10.410 min Scan# 1415
Delta R.T. -0.047 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:166 Resp: 2178
Ion Ratio Lower Upper
166 100
165 105.9 78.1 117.1
167 12.4 11.1 16.7

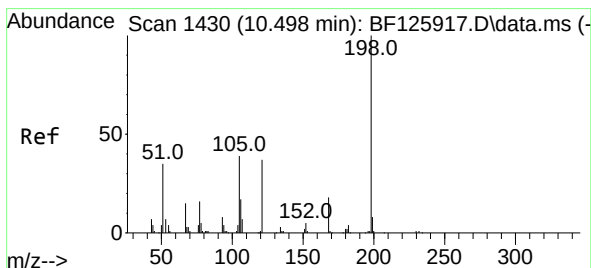
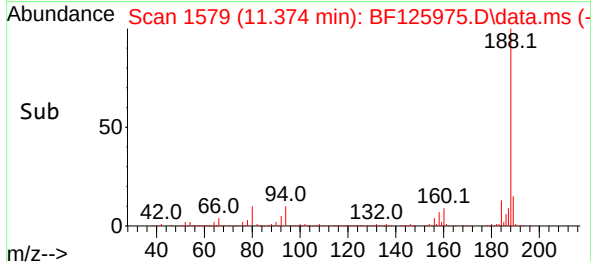
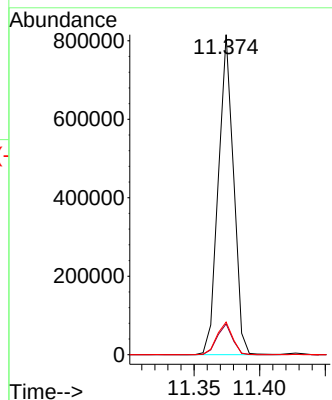
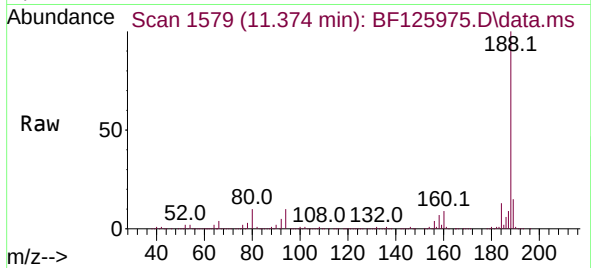




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

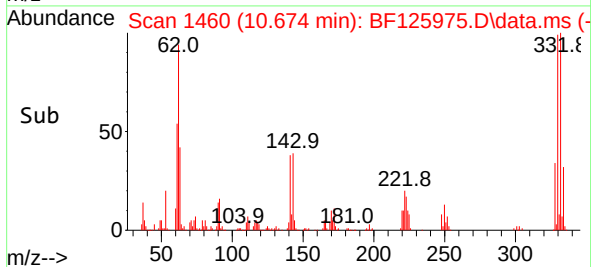
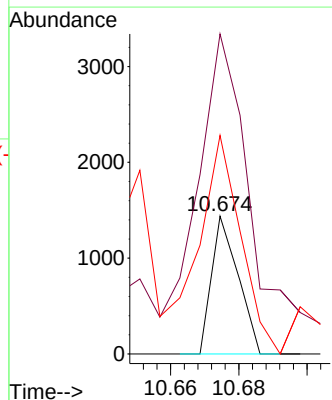
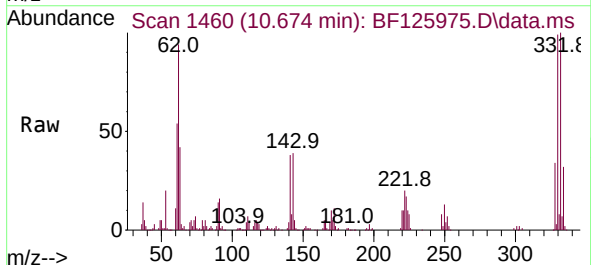
Instrument :
BNA_F
ClientSampleId :
VNJ-221

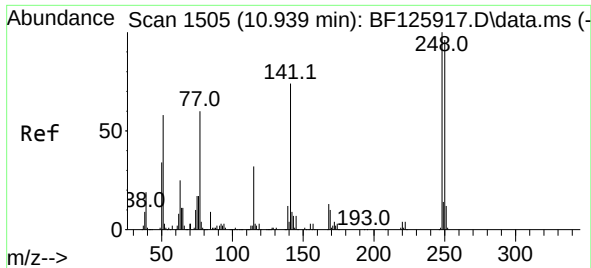
Tgt Ion:188 Resp: 655439
Ion Ratio Lower Upper
188 100
94 9.6 6.7 10.1
80 10.2 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.301 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.176 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:198 Resp: 777
Ion Ratio Lower Upper
198 100
51 232.3 45.3 85.3#
105 158.7 30.6 70.6#

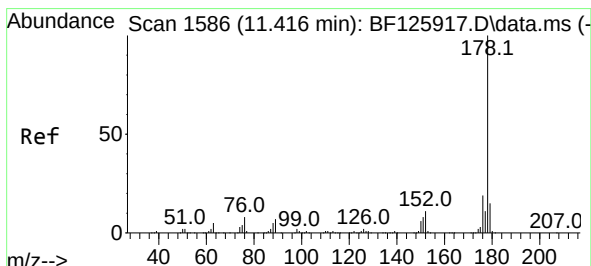
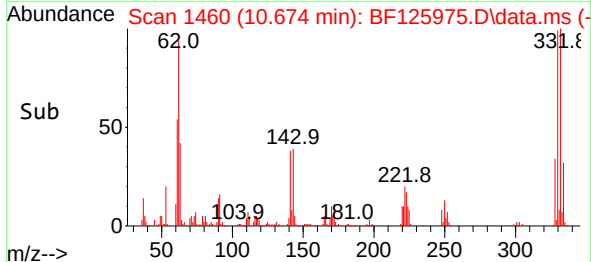
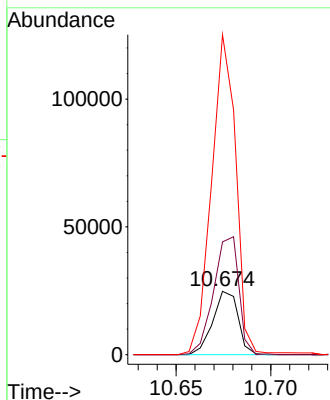
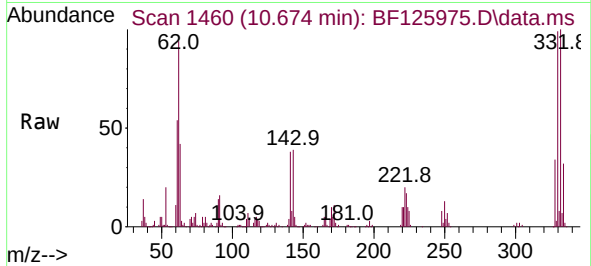




#67
4-Bromophenyl-phenylether
Concen: 3.288 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.265 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

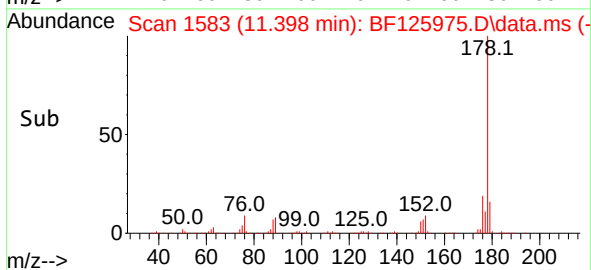
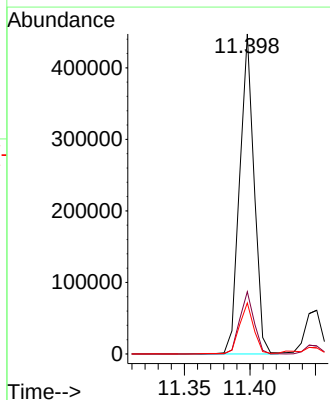
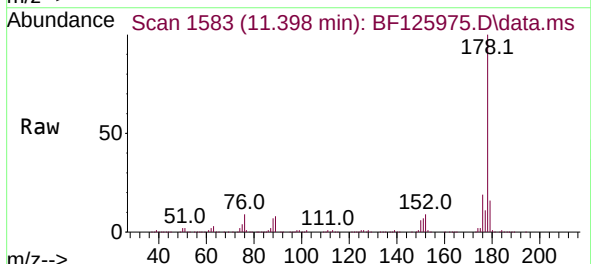
Instrument :
BNA_F
ClientSampleId :
VNJ-221

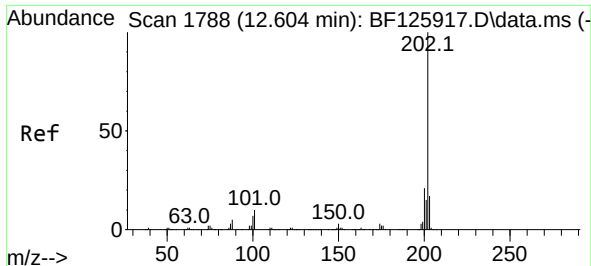
Tgt Ion:248 Resp: 23022
Ion Ratio Lower Upper
248 100
250 178.0 74.2 111.4#
141 504.8 60.4 90.6#



#71
Phenanthrene
Concen: 10.094 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:178 Resp: 343307
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 16.0 11.5 17.3

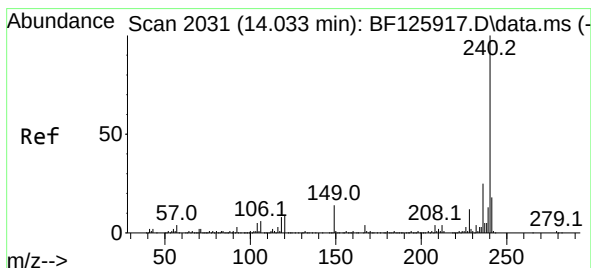
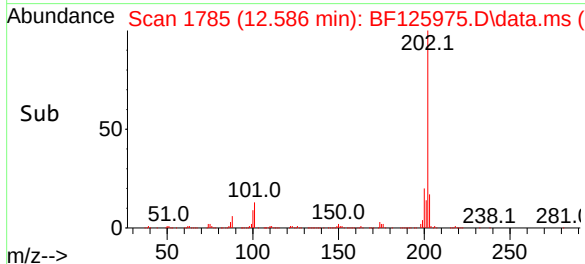
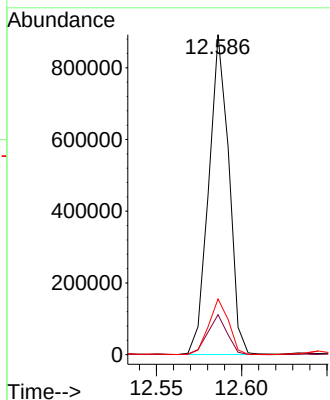
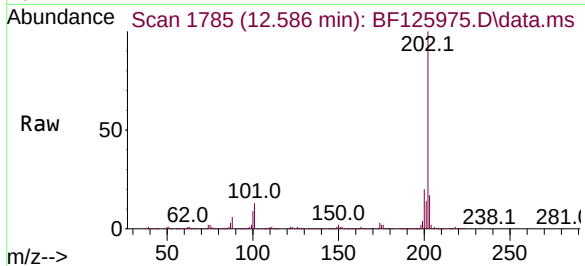




#75
Fluoranthene
Concen: 21.369 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

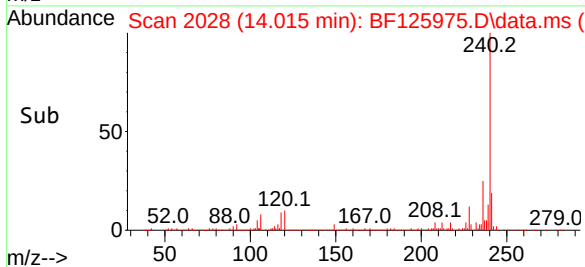
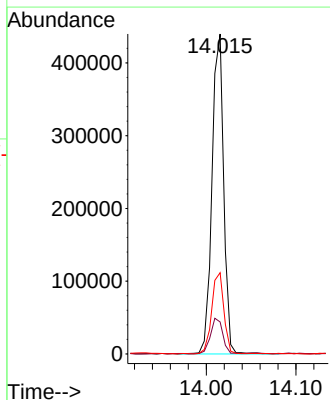
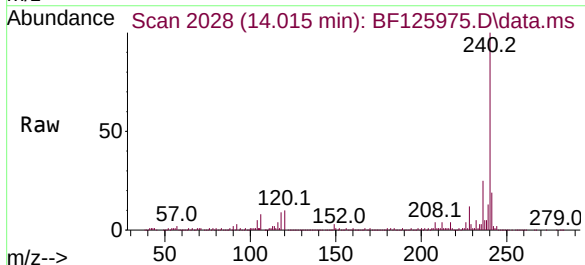
Instrument :
BNA_F
ClientSampleId :
VNJ-221

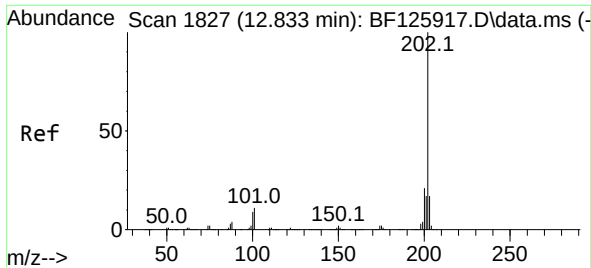
Tgt Ion:202 Resp: 732654
Ion Ratio Lower Upper
202 100
101 12.5 0.0 30.7
203 17.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:240 Resp: 398112
Ion Ratio Lower Upper
240 100
120 10.0 10.8 16.2#
236 25.4 21.6 32.4

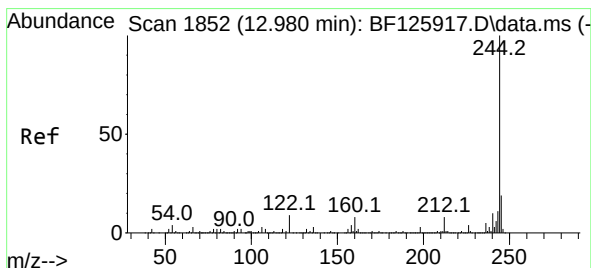
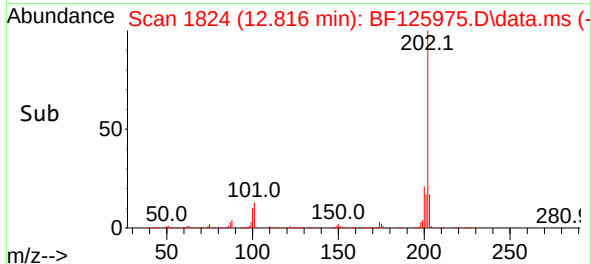
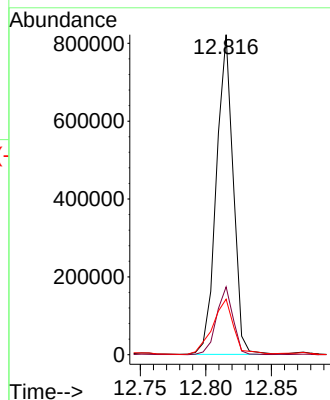
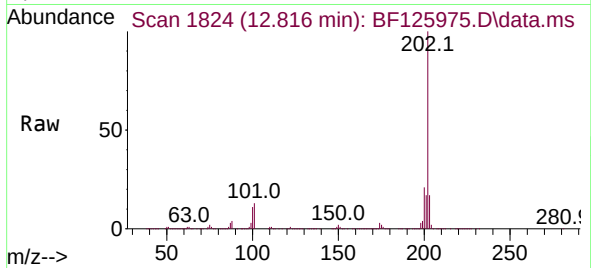




#78
Pyrene
Concen: 19.747 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

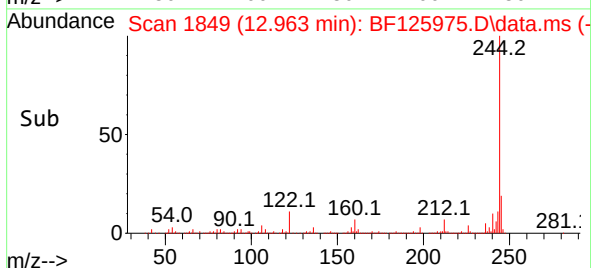
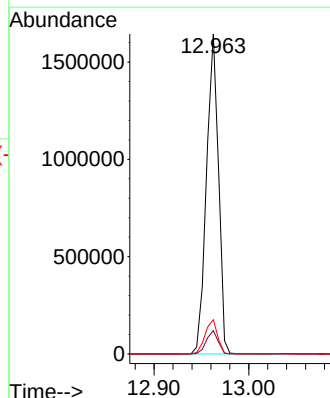
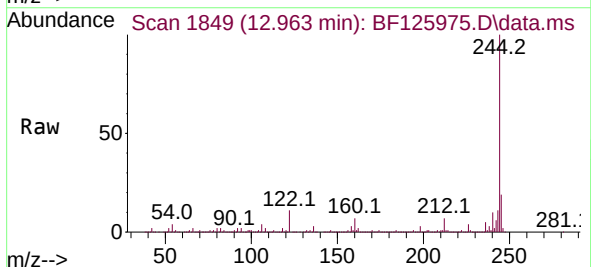
Instrument :
BNA_F
ClientSampleID :
VNJ-221

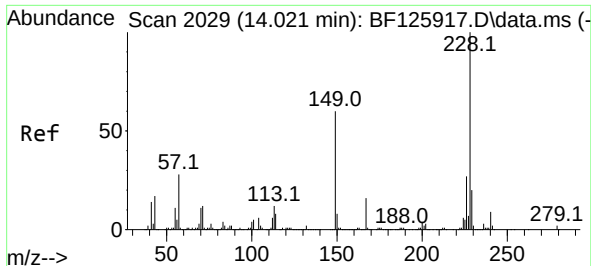
Tgt Ion:	202	Resp:	731587
Ion Ratio	Lower	Upper	
202	100		
200	21.2	15.3	22.9
203	17.3	13.4	20.0



#79
Terphenyl-d14
Concen: 59.574 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

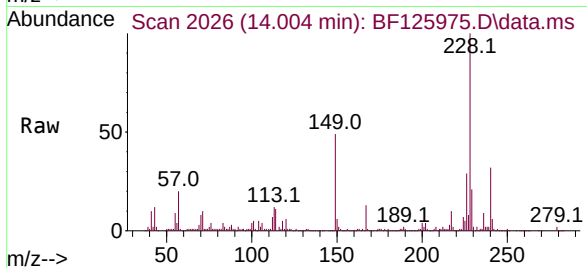
Tgt Ion:	244	Resp:	1449937
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.9	8.9
122	10.7	9.0	13.4



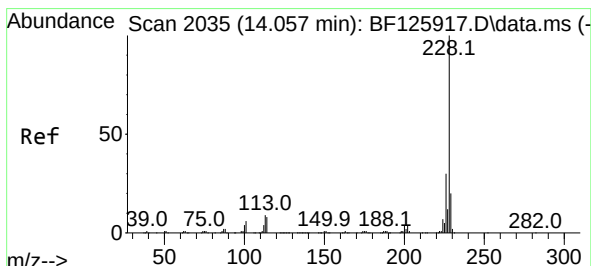
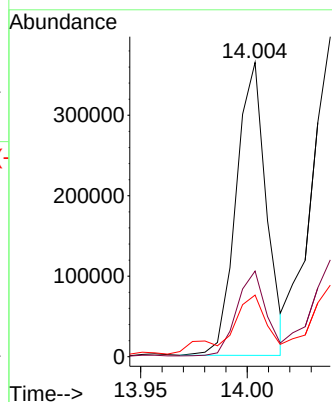
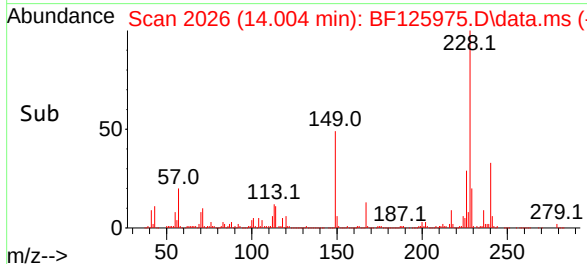


#81
Benzo(a)anthracene
Concen: 13.350 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

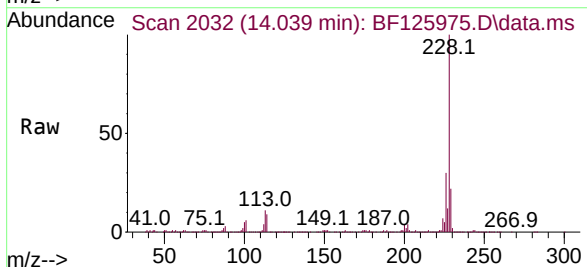
Instrument :
BNA_F
ClientSampleId :
VNJ-221



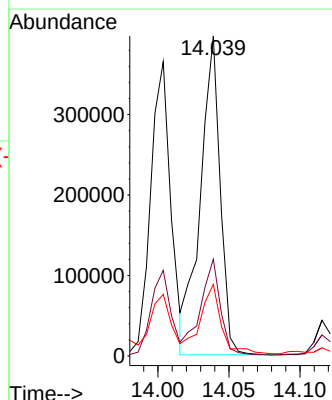
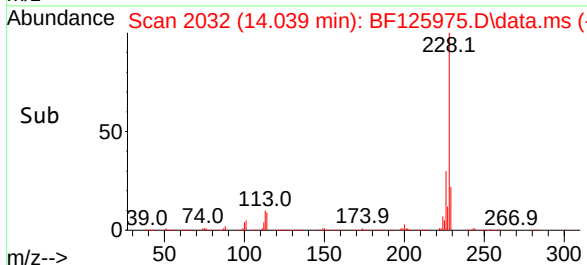
Tgt Ion:228 Resp: 357716
Ion Ratio Lower Upper
228 100
226 29.1 21.6 32.4
229 20.9 15.6 23.4

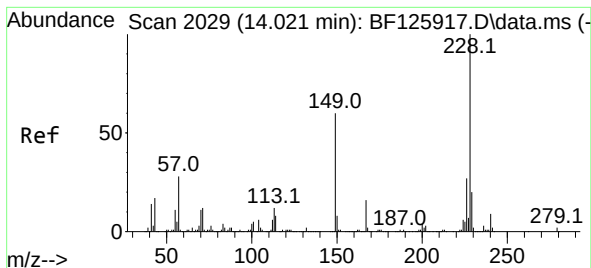


#83
Chrysene
Concen: 14.264 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26



Tgt Ion:228 Resp: 386702
Ion Ratio Lower Upper
228 100
226 30.3 22.6 34.0
229 22.4 15.9 23.9

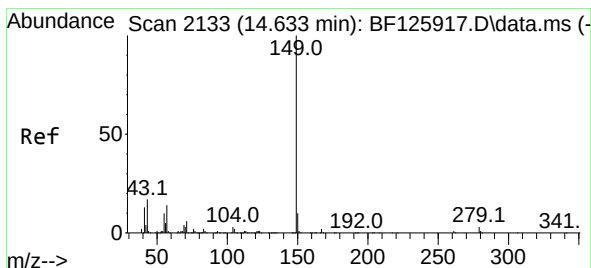
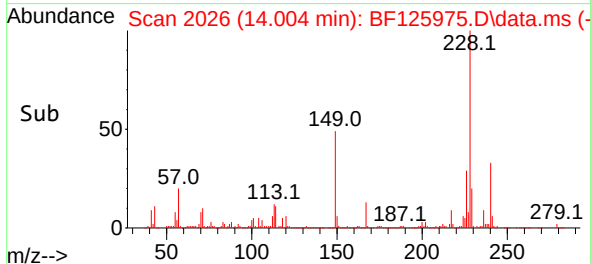
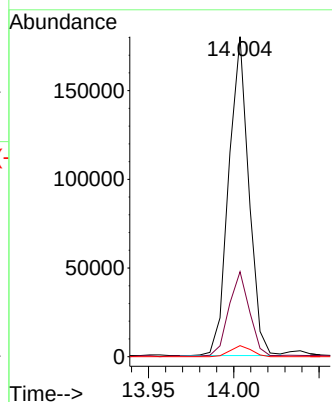
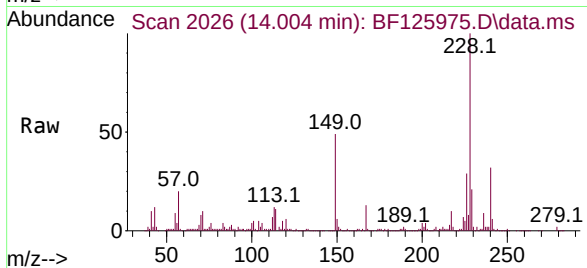




#84
Bis(2-ethylhexyl)phthalate
Concen: 11.278 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

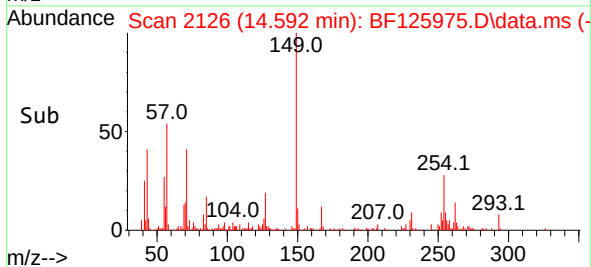
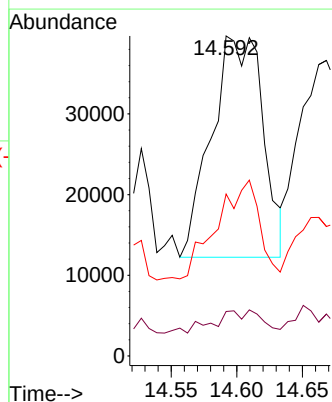
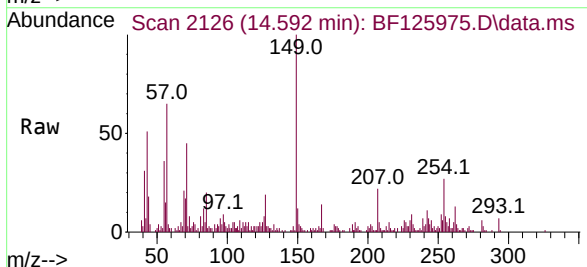
Instrument :
BNA_F
ClientSampleId :
VNJ-221

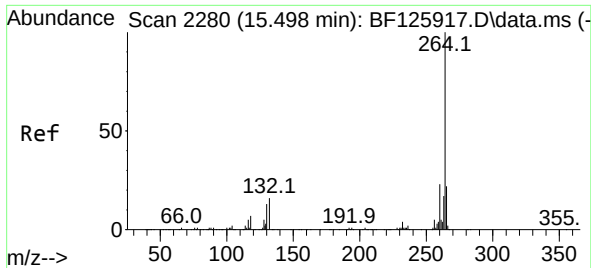
Tgt Ion:149 Resp: 147245
Ion Ratio Lower Upper
149 100
167 26.6 21.4 32.0
279 3.5 2.6 4.0



#85
Di-n-octyl phthalate
Concen: 3.696 ng
RT: 14.592 min Scan# 2126
Delta R.T. -0.041 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:149 Resp: 74759
Ion Ratio Lower Upper
149 100
167 5.5 1.0 1.6#
43 41.0 9.9 14.9#

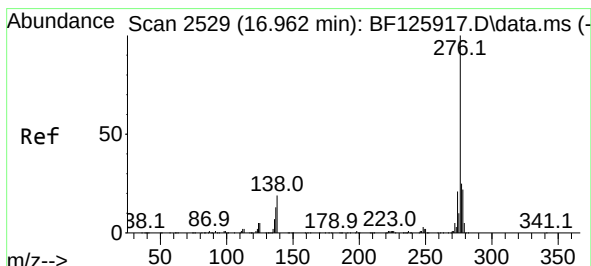
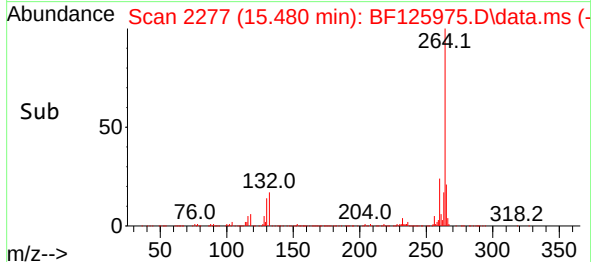
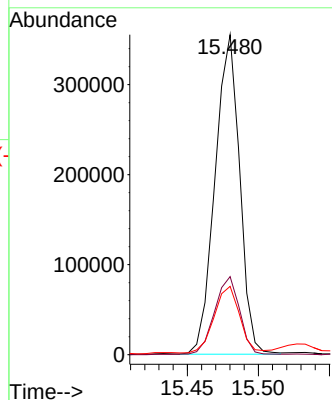
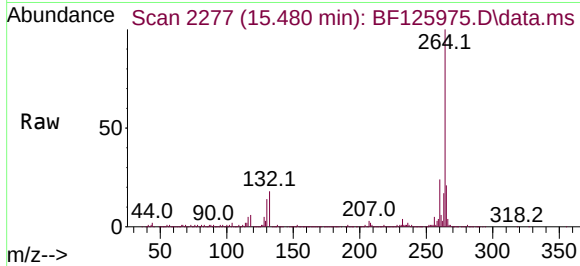




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

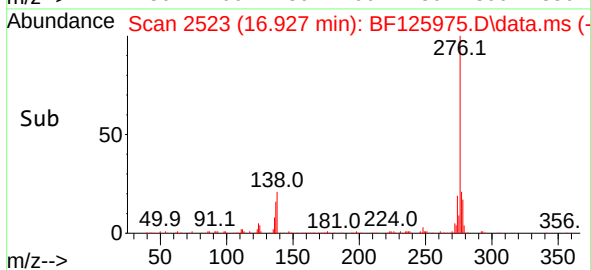
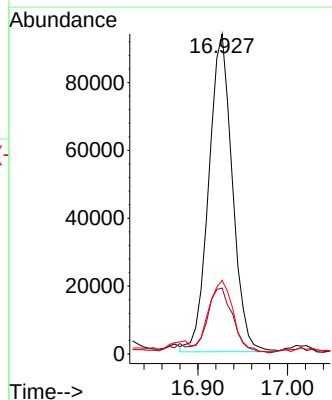
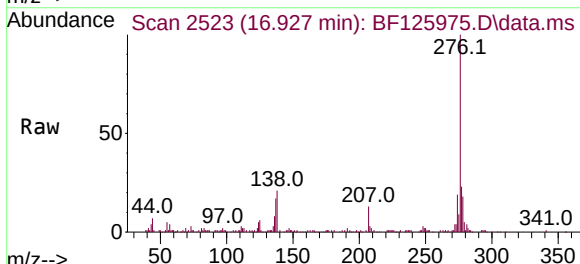
Instrument :
BNA_F
ClientSampled :
VNJ-221

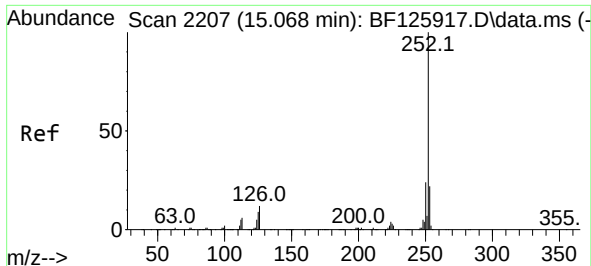
Tgt Ion:264 Resp: 427488
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 21.4 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.548 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.035 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:276 Resp: 170875
Ion Ratio Lower Upper
276 100
138 22.6 24.1 36.1#
277 23.5 18.8 28.2

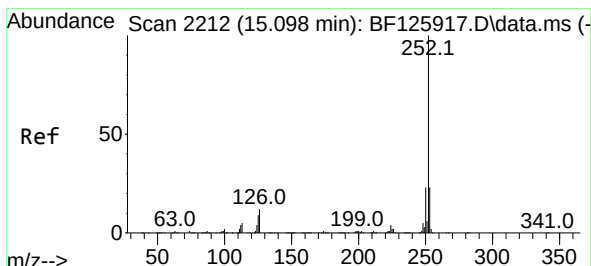
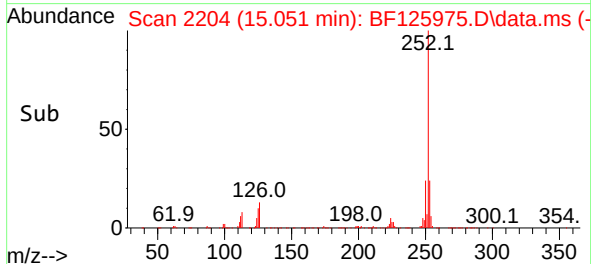
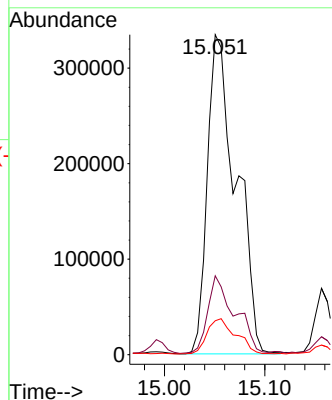
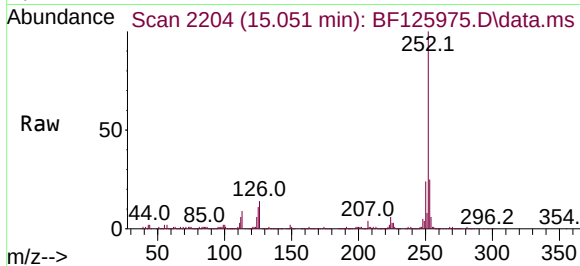




#88
Benzo(b)fluoranthene
Concen: 23.766 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

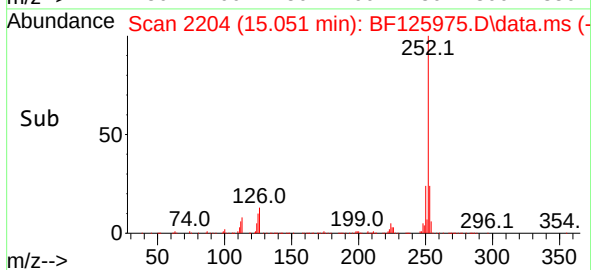
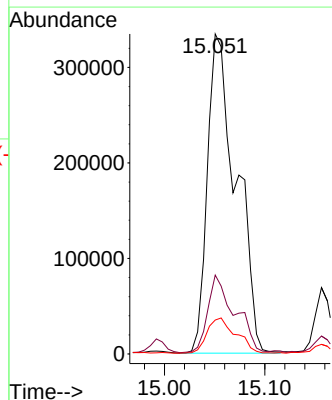
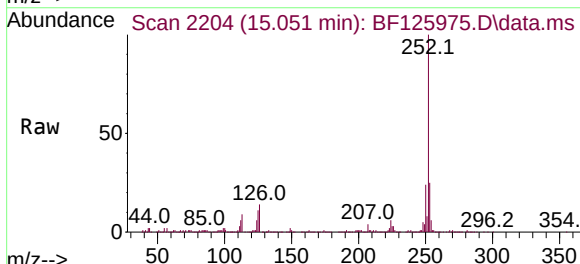
Instrument :
BNA_F
ClientSampleId :
VNJ-221

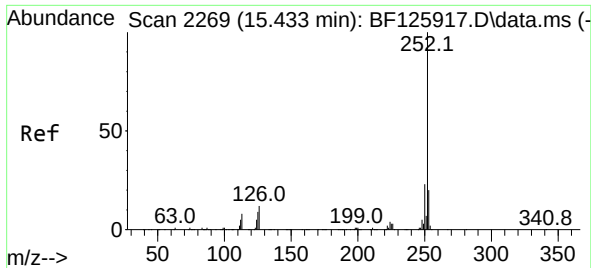
Tgt Ion:252 Resp: 670613
Ion Ratio Lower Upper
252 100
253 24.6 16.8 25.2
125 10.6 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 24.743 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.047 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:252 Resp: 670613
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 10.6 7.2 10.8

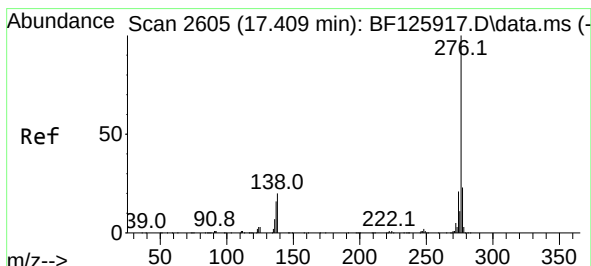
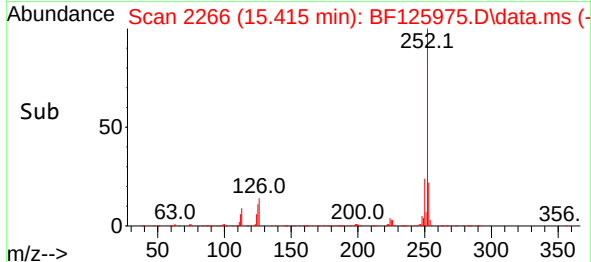
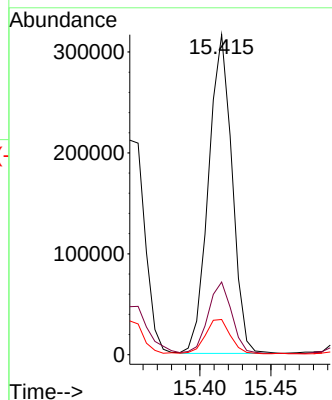
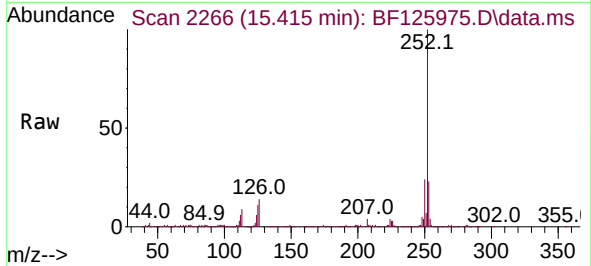




#90
Benzo(a)pyrene
Concen: 15.947 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:252 Resp: 363259
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 11.0 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.828 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.047 min
Lab File: BF125975.D
Acq: 27 Oct 2021 21:26

Tgt Ion:276 Resp: 151926
Ion Ratio Lower Upper
276 100
277 22.1 22.0 33.0
138 24.3 22.2 33.4

