

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112520\
 Data File : BF122481.D
 Acq On : 25 Nov 2020 13:15
 Operator : JU/CG
 Sample : L4882-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B48-112320-0-10

Quant Time: Nov 25 13:53:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 14:38:56 2020
 Response via : Initial Calibration

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

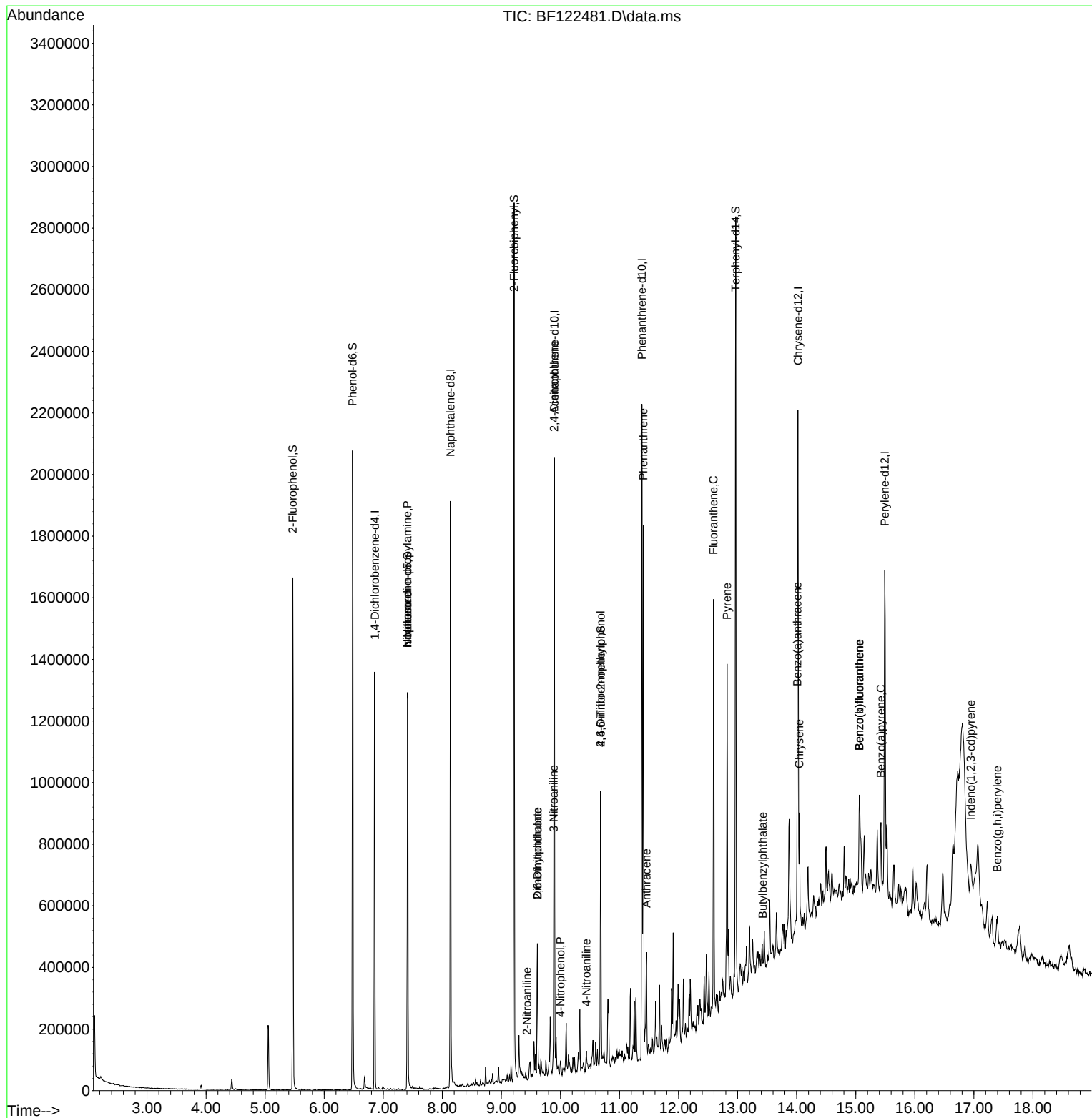
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	209304	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	788948	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	429785	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	764889	20.00	ng	0.00
76) Chrysene-d12	14.021	240	507576	20.00	ng	-0.01
86) Perylene-d12	15.492	264	527591	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	440115	32.29	ng	-0.01
7) Phenol-d6	6.481	99	685503	38.44	ng	-0.02
23) Nitrobenzene-d5	7.410	82	439458	34.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	97907	21.23	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	851140	30.94	ng	0.00
79) Terphenyl-d14	12.968	244	774608	32.33	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	397	Below Cal	#	46
19) n-Nitroso-di-n-propyla...	7.410	70	58640	5.50	ng	# 75
25) Isophorone	7.410	82	431930	15.03	ng	# 67
48) 2-Nitroaniline	9.433	65	407	5.21	ng	# 6
50) Dimethylphthalate	9.610	163	160801	5.26	ng	99
51) 2,6-Dinitrotoluene	9.610	165	2660	4.17	ng	# 39
53) 3-Nitroaniline	9.886	138	356	3.60	ng	# 1
56) 4-Nitrophenol	9.998	139	1361	5.60	ng	# 68
57) 2,4-Dinitrotoluene	9.892	165	57753	10.80	ng	# 20
62) 4-Nitroaniline	10.439	138	415	3.43	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.680	198	154	6.20	ng	# 1
71) Phenanthrene	11.404	178	598610	13.79	ng	99
72) Anthracene	11.457	178	127765	2.86	ng	97
75) Fluoranthene	12.592	202	522187	11.53	ng	98
78) Pyrene	12.821	202	425532	11.93	ng	98
80) Butylbenzylphthalate	13.427	149	797	3.34	ng	# 45
81) Benzo(a)anthracene	14.009	228	169274	5.36	ng	99
83) Chrysene	14.045	228	149335	4.70	ng	97
87) Indeno(1,2,3-cd)pyrene	16.950	276	81498	2.57	ng	95
88) Benzo(b)fluoranthene	15.062	252	225743	6.61	ng	# 95
89) Benzo(k)fluoranthene	15.062	252	225743	6.78	ng	# 94
90) Benzo(a)pyrene	15.427	252	120735	4.05	ng	# 94
92) Benzo(g,h,i)perylene	17.397	276	81984	3.18	ng	96

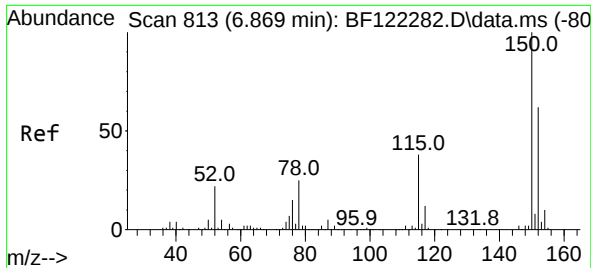
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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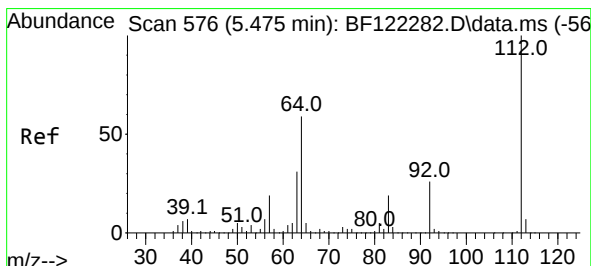
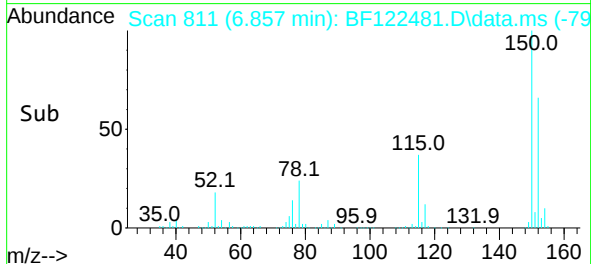
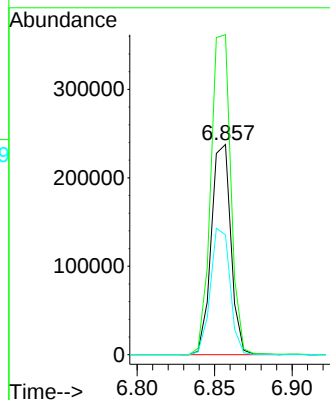
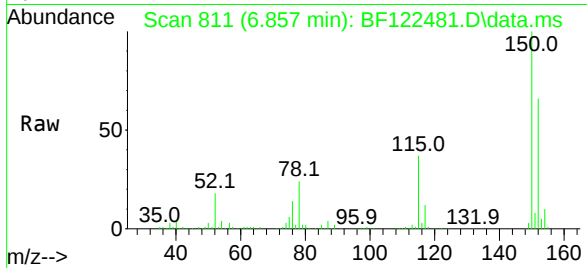




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

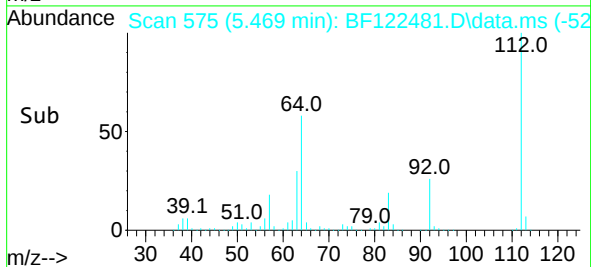
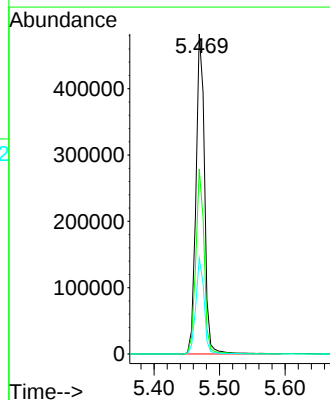
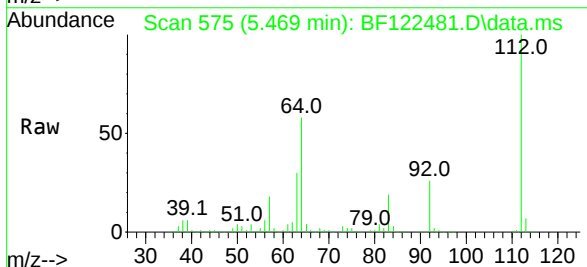
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

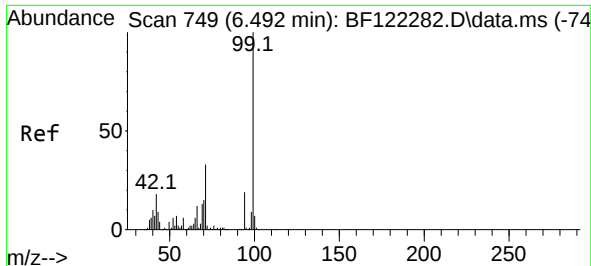
Tgt Ion:152 Resp: 209304
Ion Ratio Lower Upper
152 100
150 152.2 125.3 187.9
115 57.0 51.9 77.9



#5
2-Fluorophenol
Concen: 32.29 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:112 Resp: 440115
Ion Ratio Lower Upper
112 100
64 57.8 50.4 75.6
63 29.9 25.8 38.6

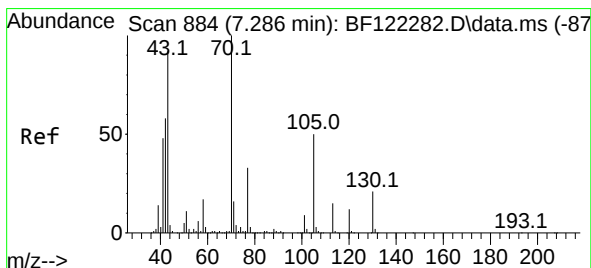
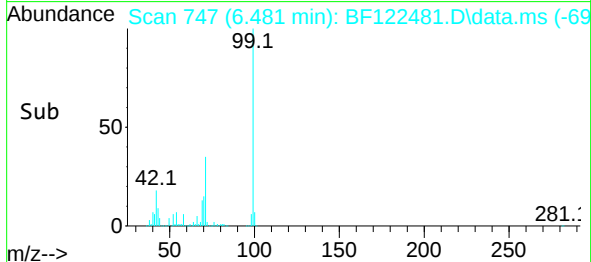
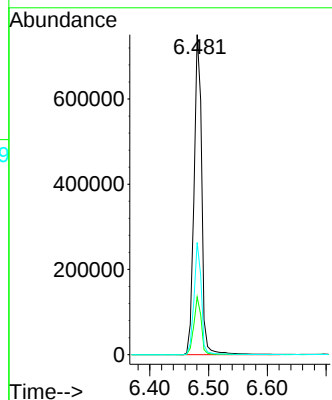
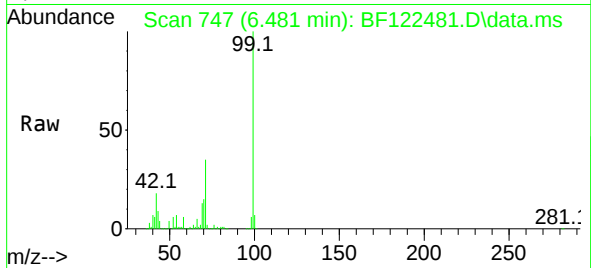




#7
Phenol-d6
Concen: 38.44 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.018 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

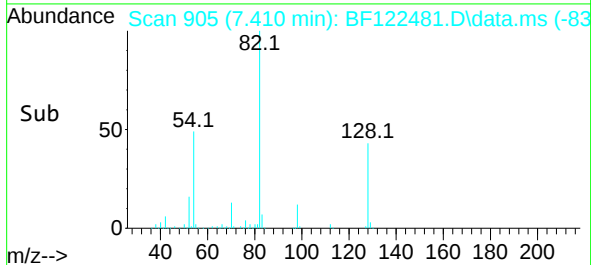
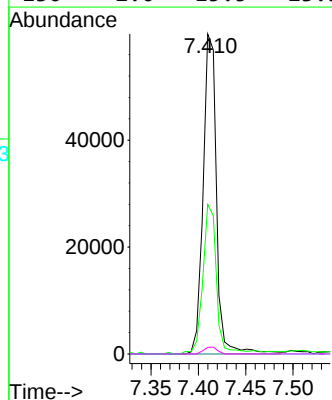
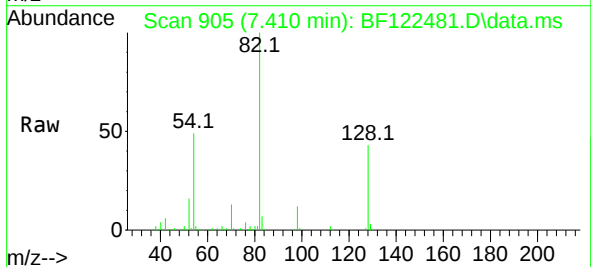
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BNA_F
ClientSampleId :
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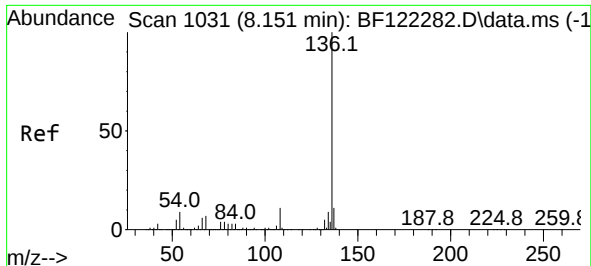
Tgt Ion: 99 Resp: 685503
Ion Ratio Lower Upper
99 100
42 18.1 15.9 23.9
71 35.1 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.50 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.129 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion: 70 Resp: 58640
Ion Ratio Lower Upper
70 100
42 46.7 50.2 75.4#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



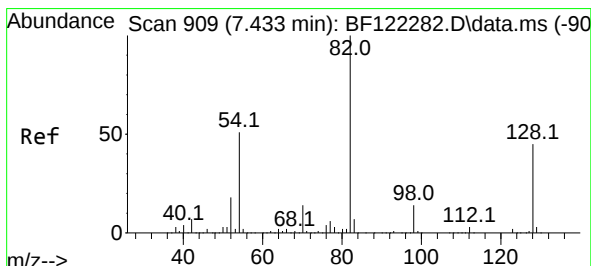
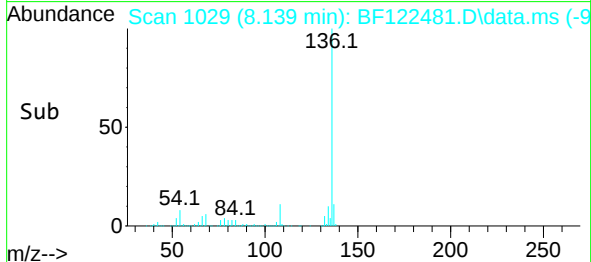
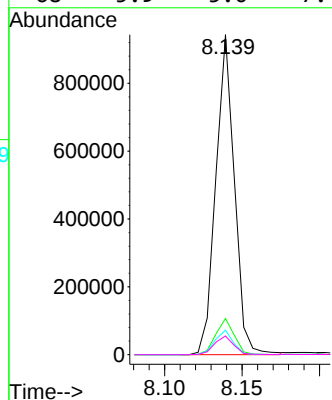
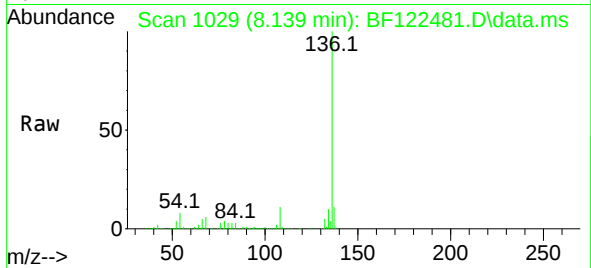


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

Tgt Ion:136 Resp: 788948

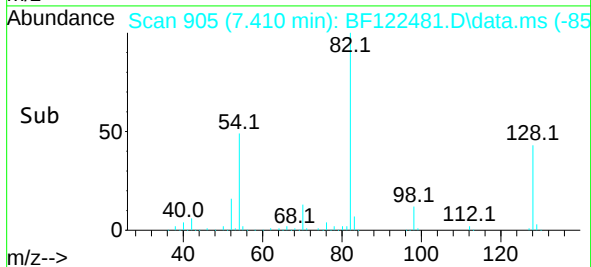
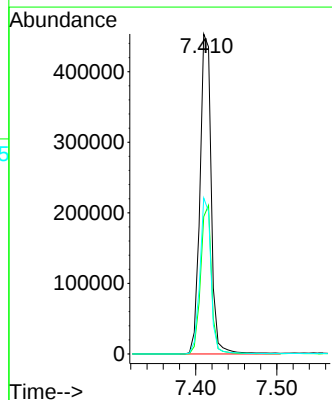
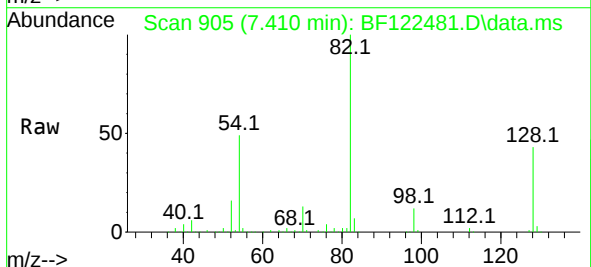
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	7.6	7.1	10.7
68	5.9	5.0	7.4

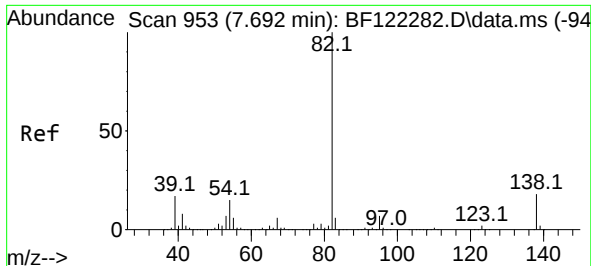


#23
Nitrobenzene-d5
Concen: 34.10 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.018 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion: 82 Resp: 439458

Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.0	52.4
54	48.8	43.9	65.9

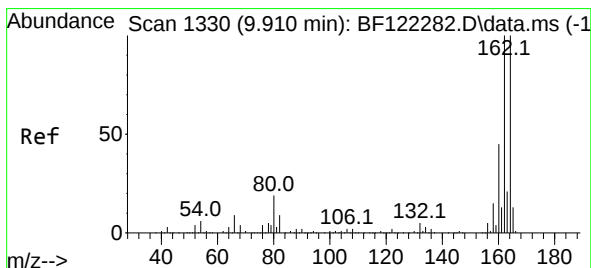
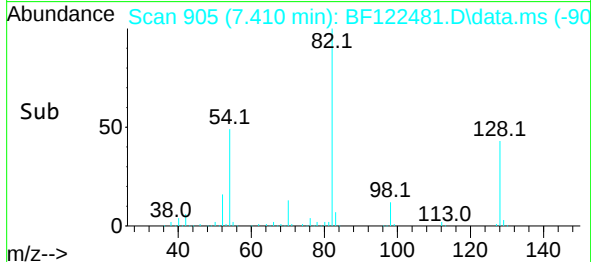
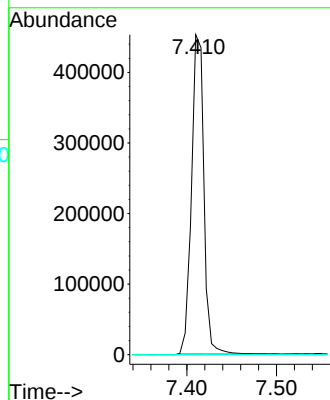
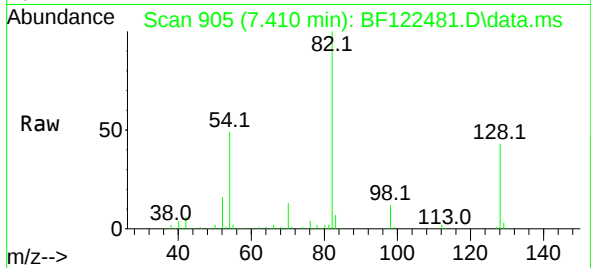




#25
Isophorone
Concen: 15.03 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.277 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

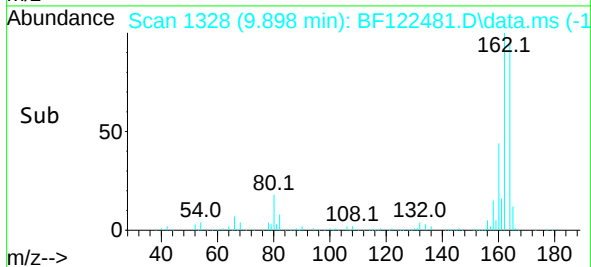
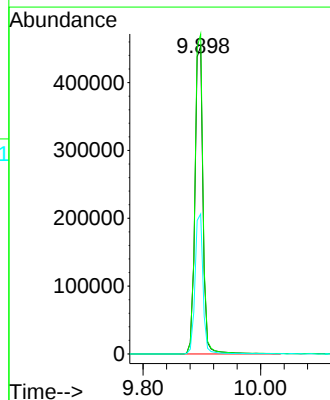
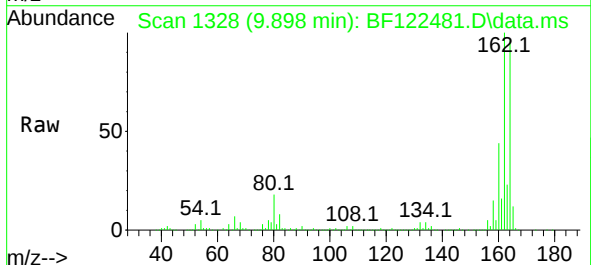
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ClientSampleId :
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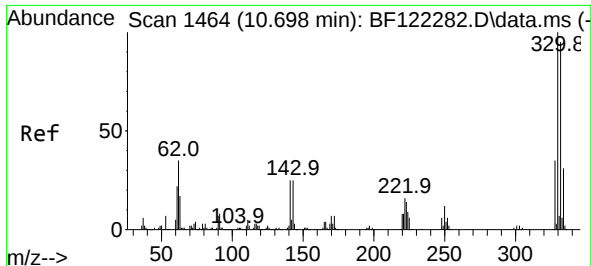
Tgt Ion: 82 Resp: 431930
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion: 164 Resp: 429785
Ion Ratio Lower Upper
164 100
162 104.0 83.2 124.8
160 45.5 37.5 56.3

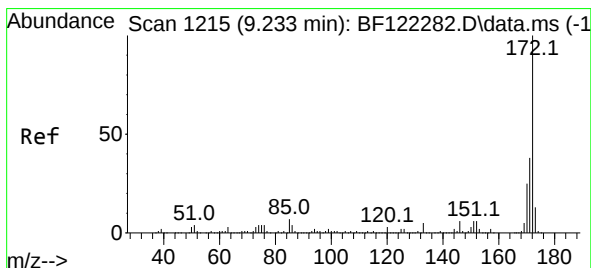
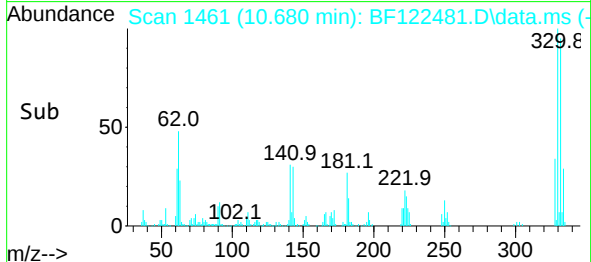
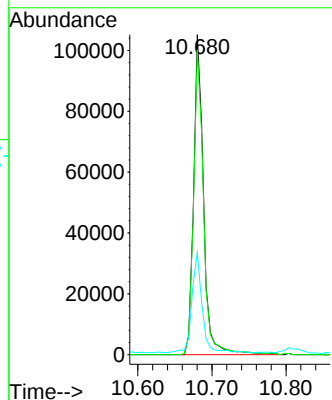
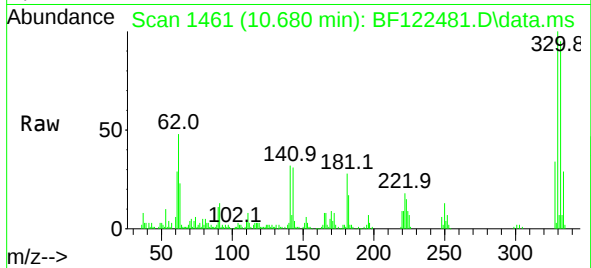




#42
2,4,6-Tribromophenol
Concen: 21.23 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

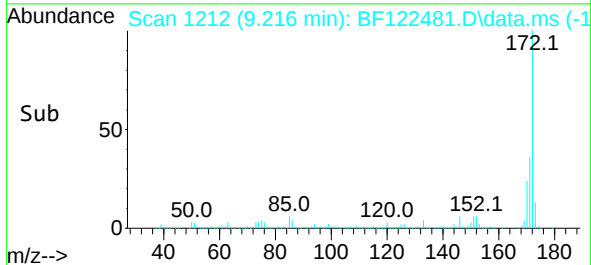
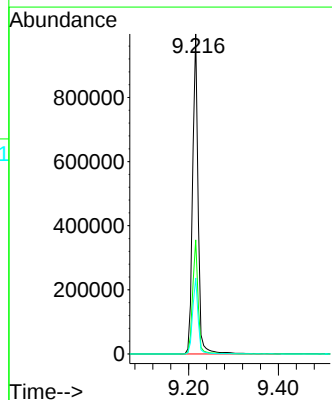
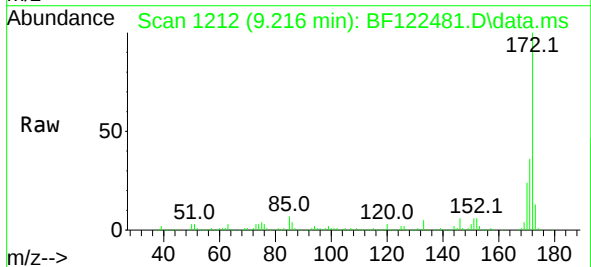
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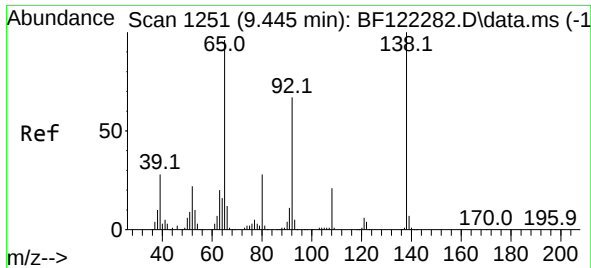
Tgt Ion: 330 Resp: 97907
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 32.1 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 30.94 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion: 172 Resp: 851140
Ion Ratio Lower Upper
172 100
171 35.7 29.1 43.7
170 23.7 19.8 29.6

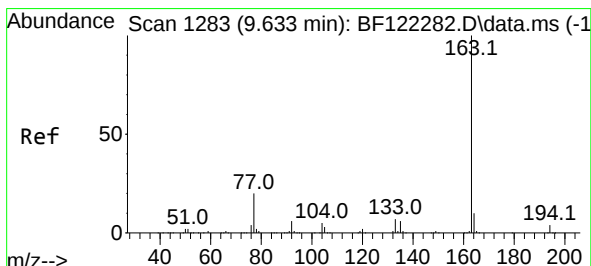
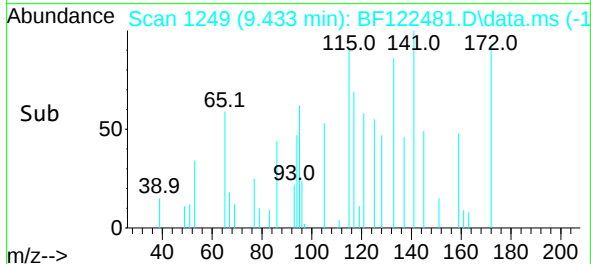
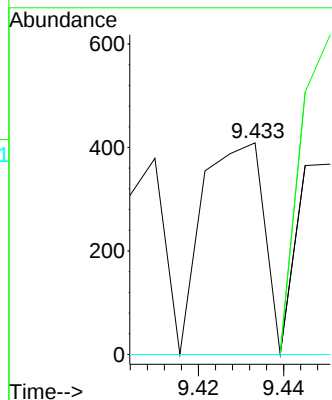
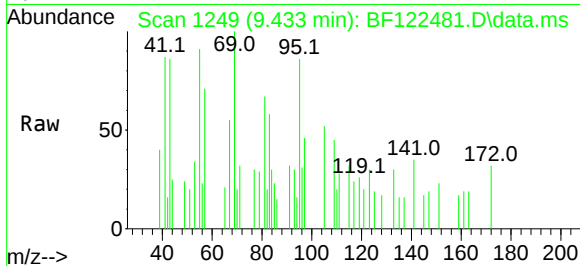




#48
2-Nitroaniline
Concen: 5.21 ng
RT: 9.433 min Scan# 1249
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

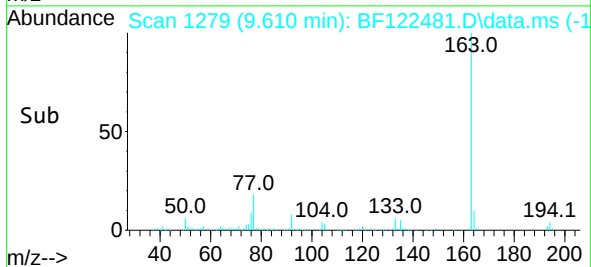
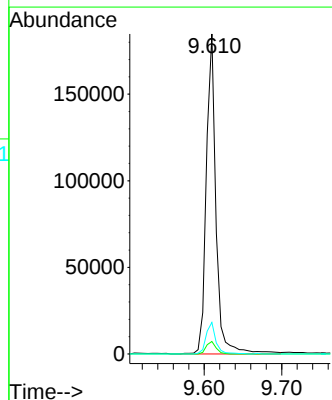
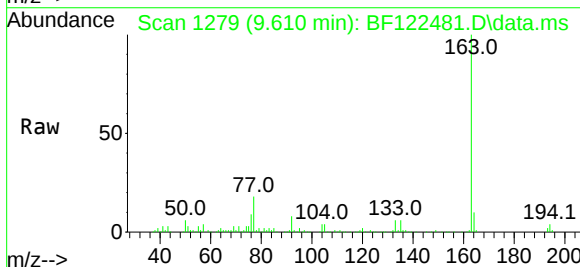
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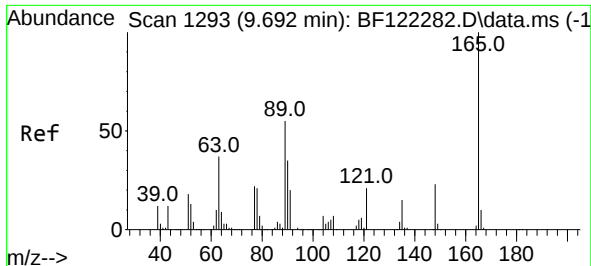
Tgt Ion: 65 Resp: 407
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#



#50
Dimethylphthalate
Concen: 5.26 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion: 163 Resp: 160801
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.8 8.2 12.4

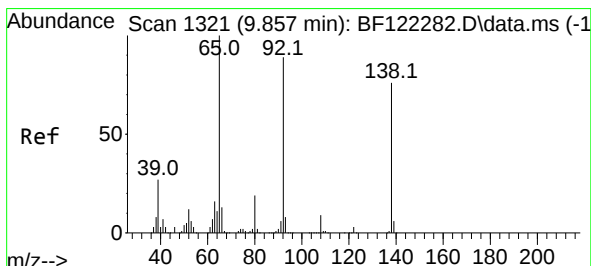
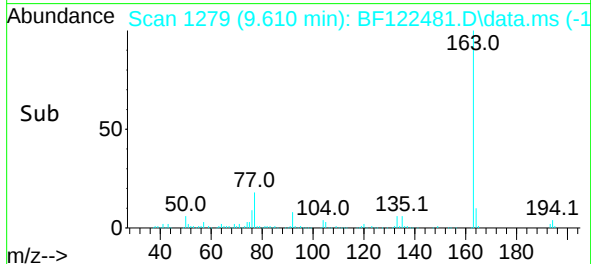
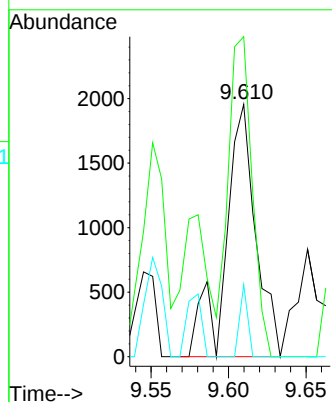
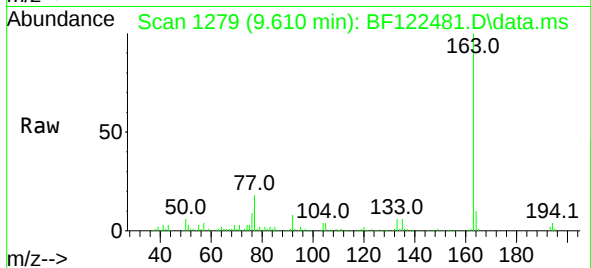




#51
2,6-Dinitrotoluene
Concen: 4.17 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.077 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

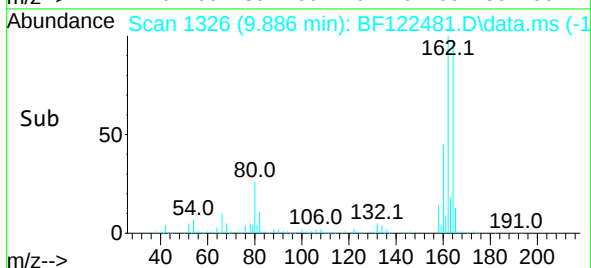
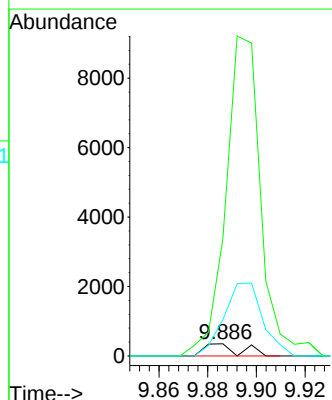
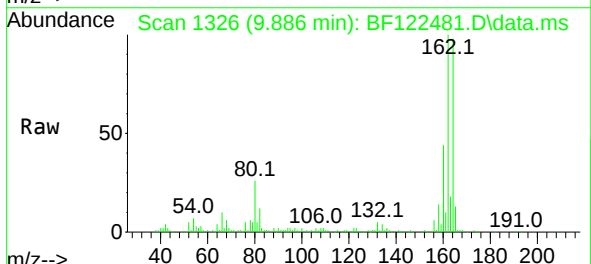
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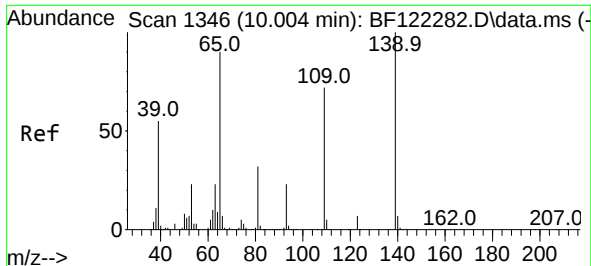
Tgt Ion:165 Resp: 2660
Ion Ratio Lower Upper
165 100
63 126.8 51.8 77.6#
89 28.5 49.0 73.6#



#53
3-Nitroaniline
Concen: 3.60 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.029 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:138 Resp: 356
Ion Ratio Lower Upper
138 100
108 970.8 8.6 13.0#
92 300.3 96.6 144.8#

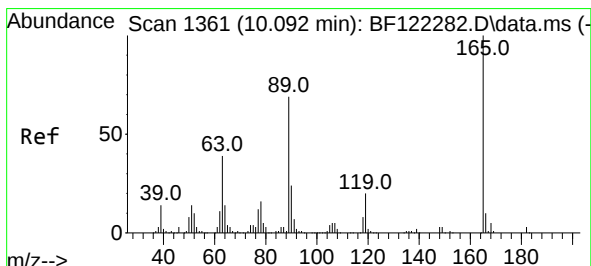
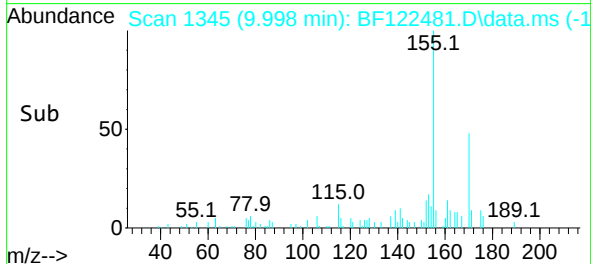
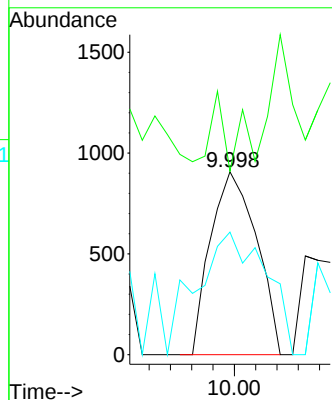
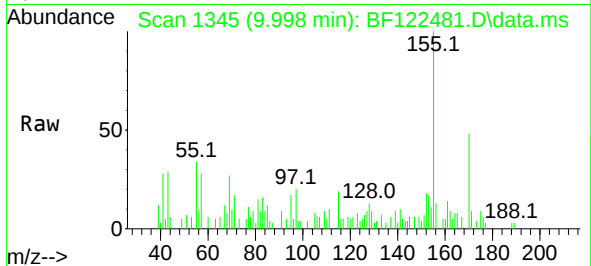




#56
4-Nitrophenol
Concen: 5.60 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

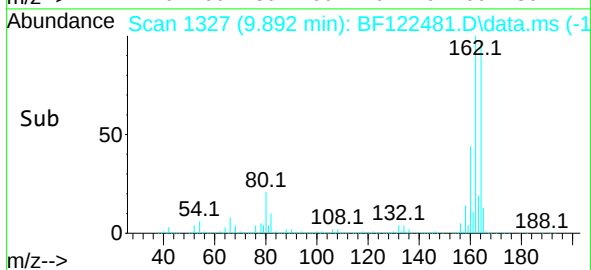
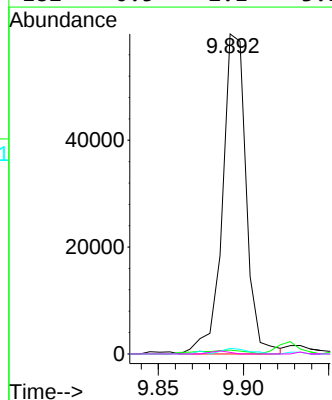
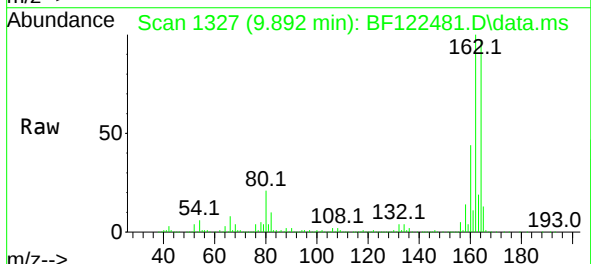
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

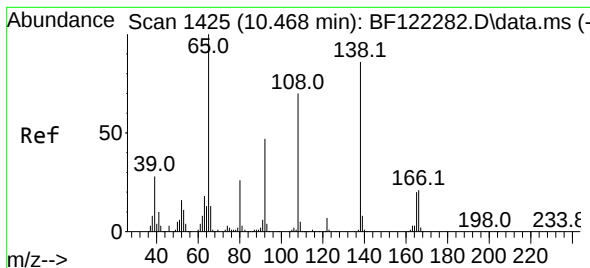
Tgt Ion:139 Resp: 1361
Ion Ratio Lower Upper
139 100
109 100.3 45.4 85.4#
65 67.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.80 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:165 Resp: 57753
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.8 61.8 92.8#
182 0.5 2.1 3.1#

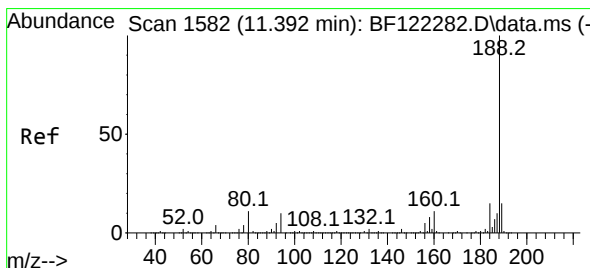
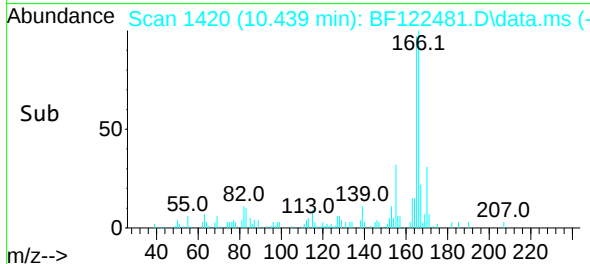
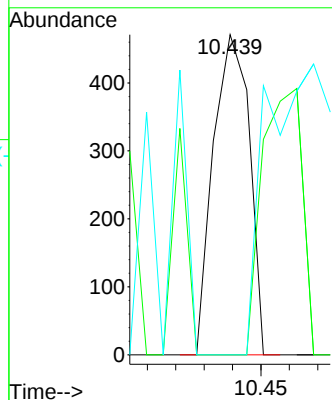
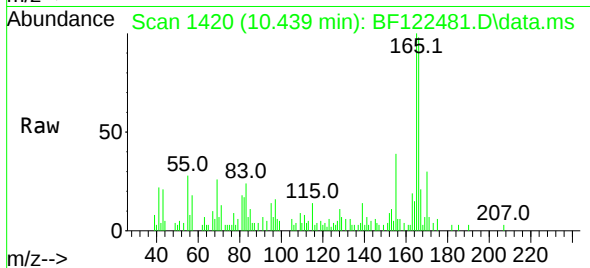




#62
4-Nitroaniline
Concen: 3.43 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.035 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

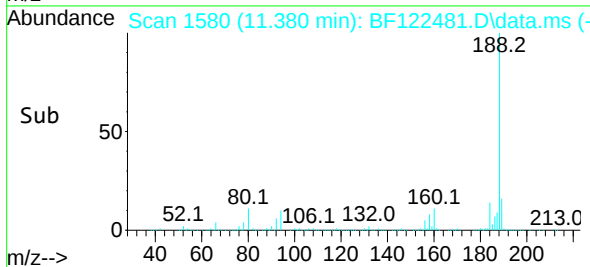
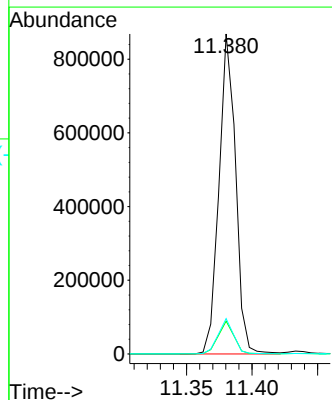
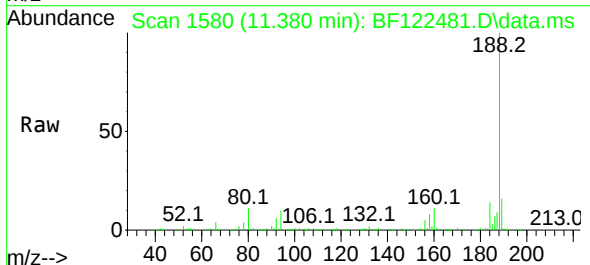
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

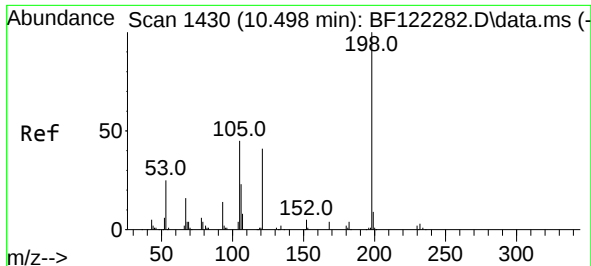
Tgt Ion:138 Resp: 415
Ion Ratio Lower Upper
138 100
92 0.0 31.0 71.0#
108 0.0 51.5 91.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:188 Resp: 764889
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.0 9.1 13.7

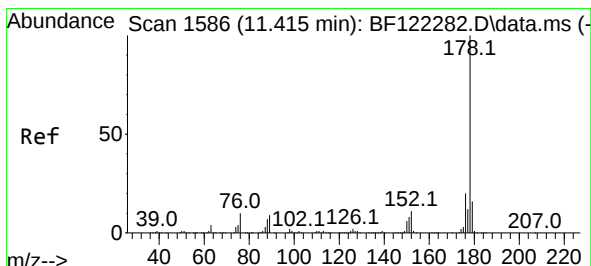
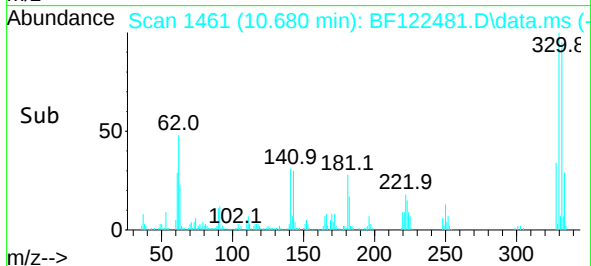
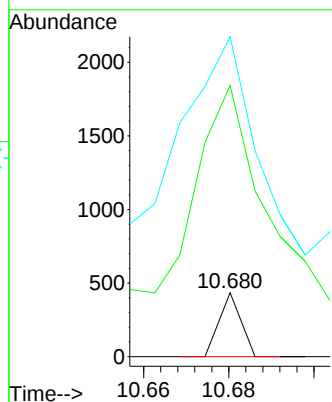
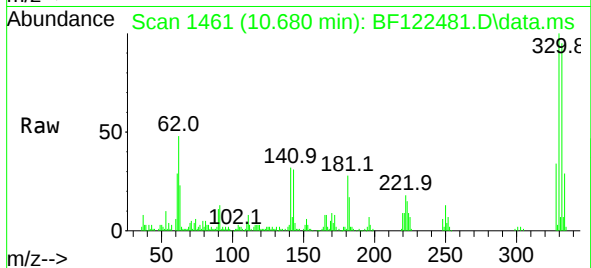




#65
4,6-Dinitro-2-methylphenol
Concen: 6.20 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.182 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

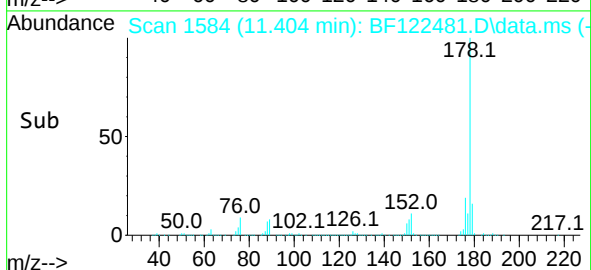
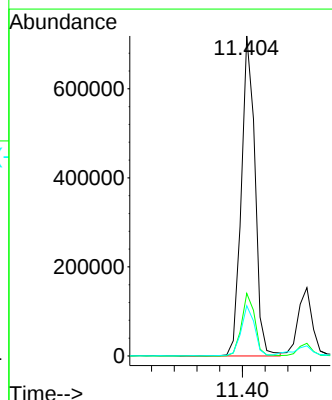
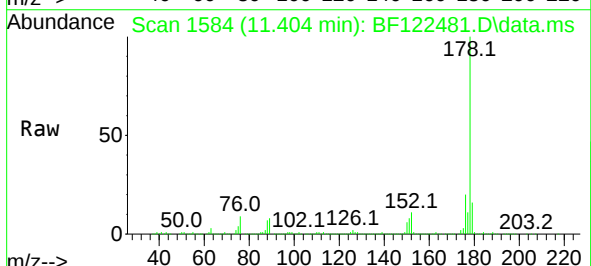
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

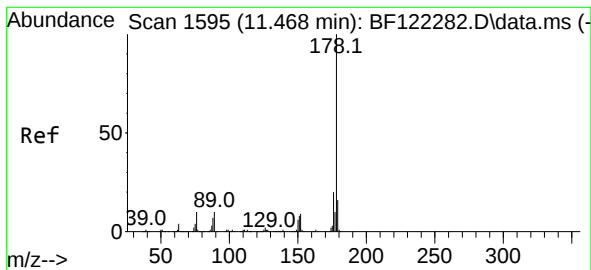
Tgt Ion:198 Resp: 154
Ion Ratio Lower Upper
198 100
51 423.4 29.6 69.6#
105 499.8 24.4 64.4#



#71
Phenanthrene
Concen: 13.79 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:178 Resp: 598610
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.7 12.2 18.4

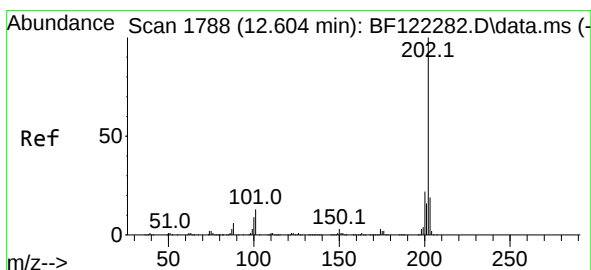
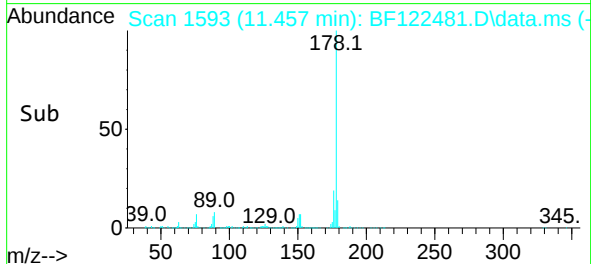
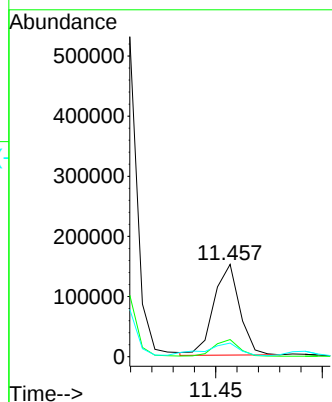
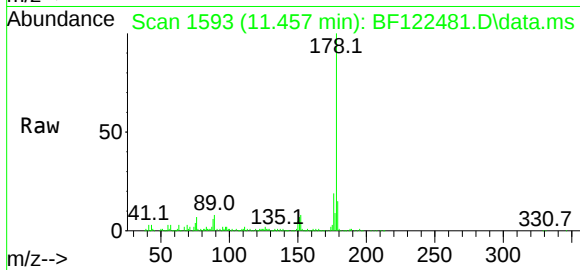




#72
 Anthracene
 Concen: 2.86 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.012 min
 Lab File: BF122481.D
 Acq: 25 Nov 2020 13:15

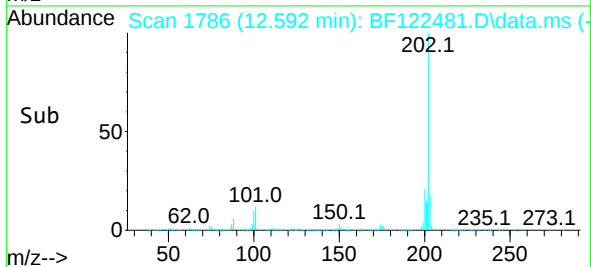
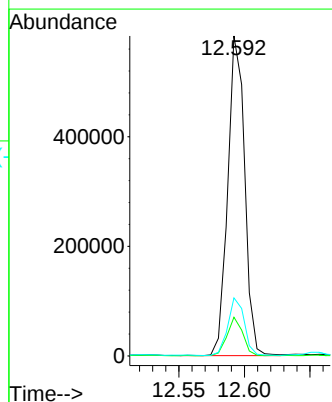
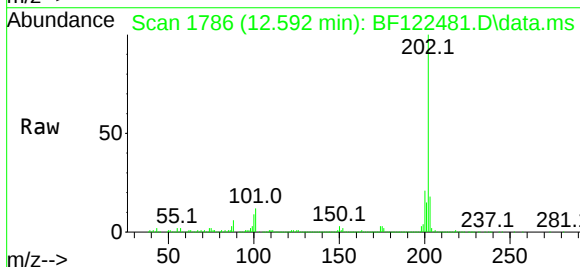
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B48-112320-0-10

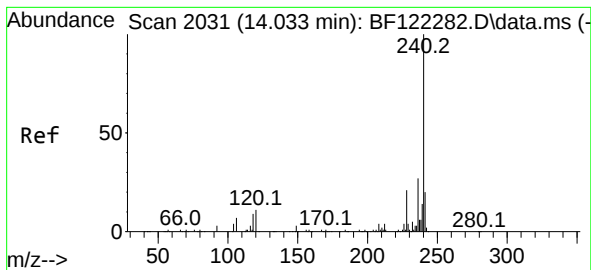
Tgt Ion:178 Resp: 127765
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.7 23.5
 179 14.7 12.7 19.1



#75
 Fluoranthene
 Concen: 11.53 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.012 min
 Lab File: BF122481.D
 Acq: 25 Nov 2020 13:15

Tgt Ion:202 Resp: 522187
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 33.4
 203 18.2 0.0 37.9

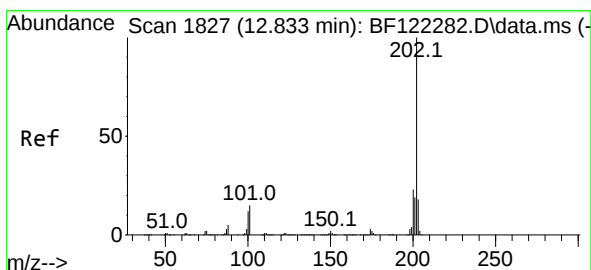
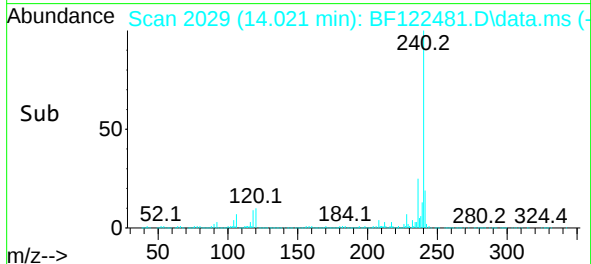
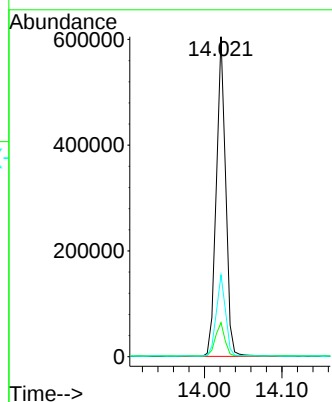
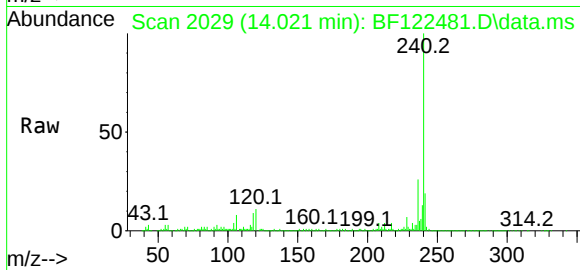




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

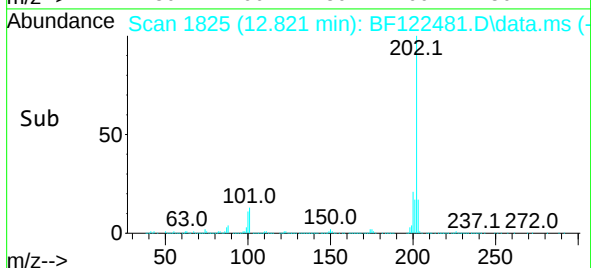
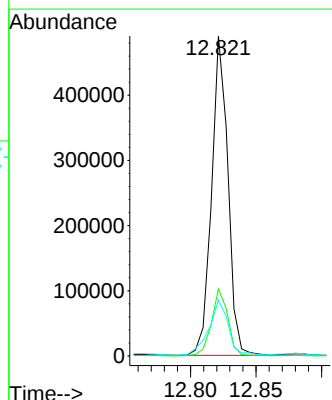
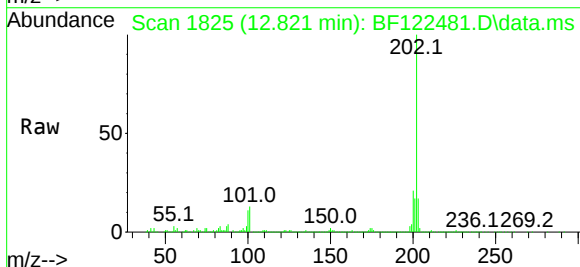
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

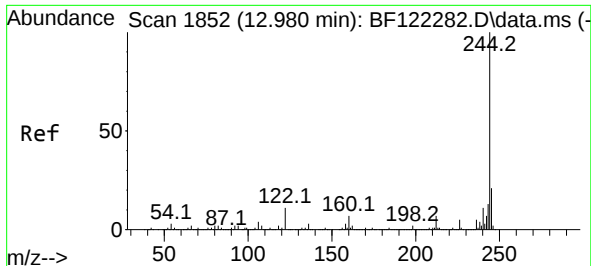
Tgt Ion:240 Resp: 507576
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 25.5 20.9 31.3



#78
Pyrene
Concen: 11.93 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:202 Resp: 425532
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.4 14.6 21.8

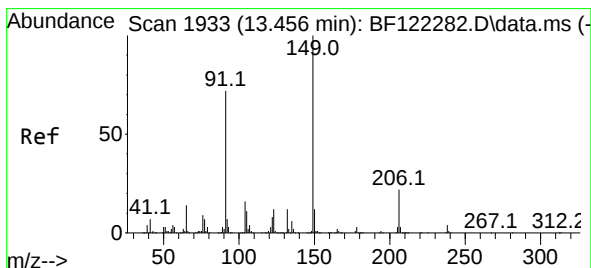
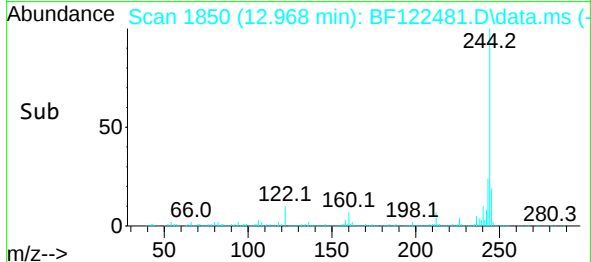
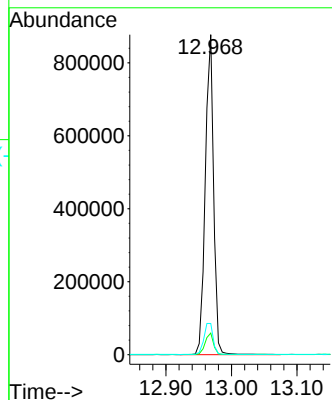
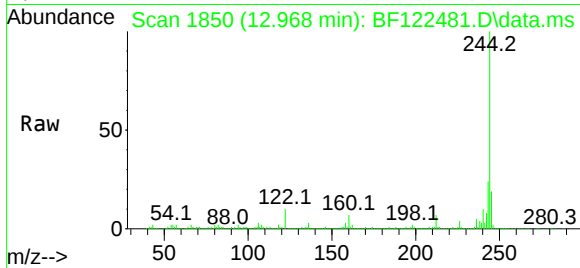




#79
 Terphenyl-d14
 Concen: 32.33 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF122481.D
 Acq: 25 Nov 2020 13:15

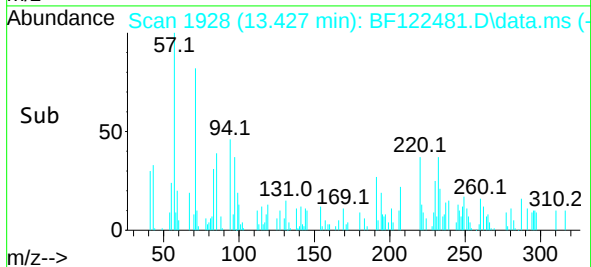
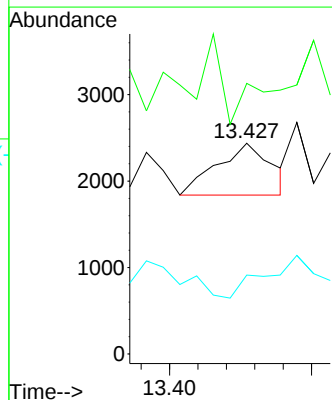
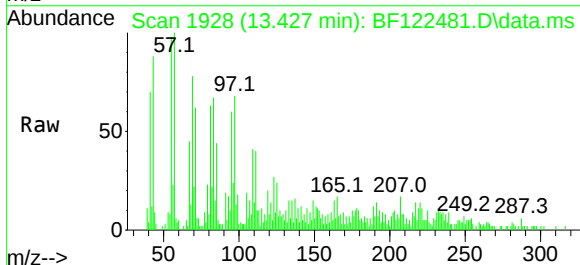
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B48-112320-0-10

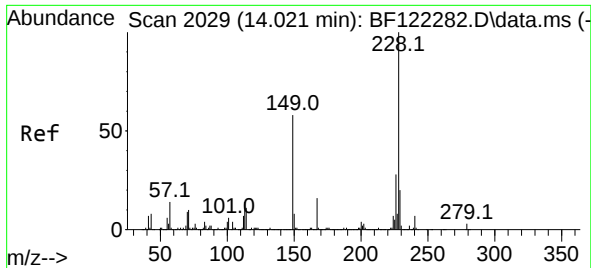
Tgt Ion:244 Resp: 774608
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.8 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 3.34 ng
 RT: 13.427 min Scan# 1928
 Delta R.T. -0.024 min
 Lab File: BF122481.D
 Acq: 25 Nov 2020 13:15

Tgt Ion:149 Resp: 797
 Ion Ratio Lower Upper
 149 100
 91 128.4 61.0 91.4#
 206 37.4 16.7 25.1#

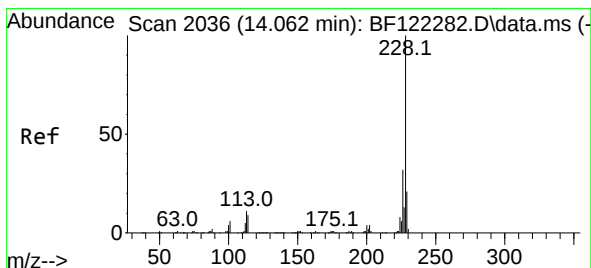
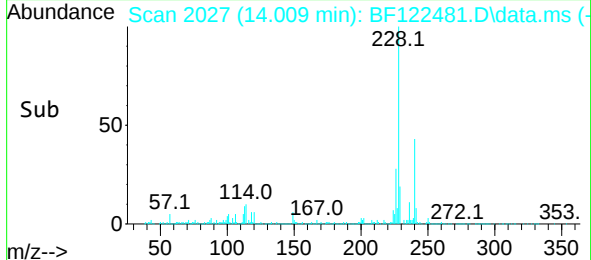
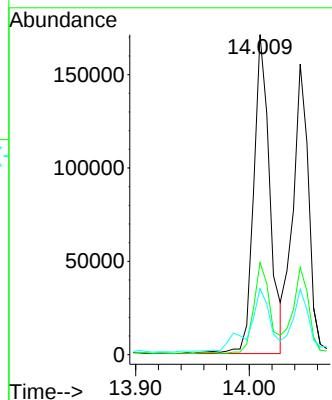
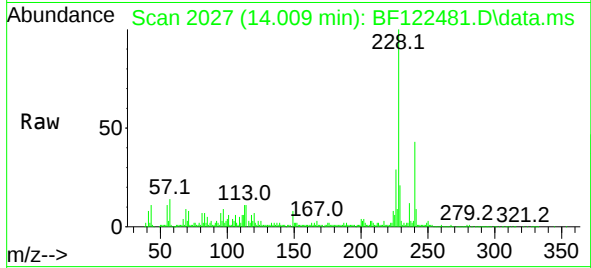




#81
Benzo(a)anthracene
Concen: 5.36 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

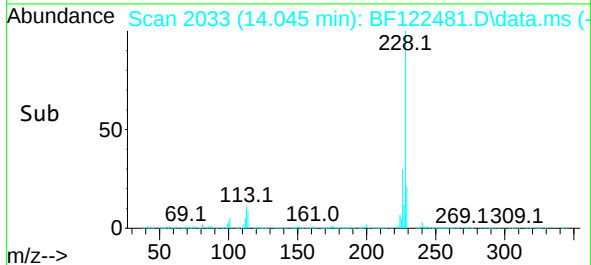
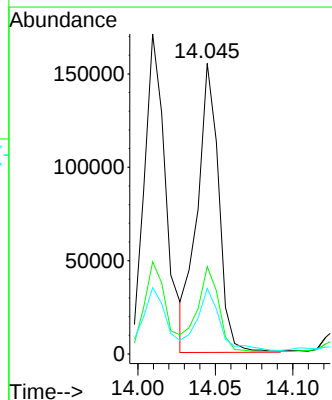
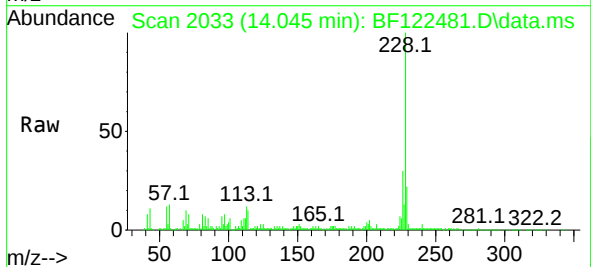
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

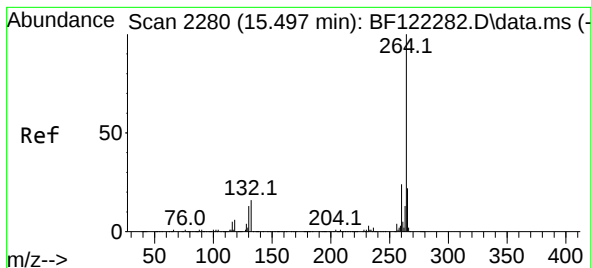
Tgt Ion:228 Resp: 169274
Ion Ratio Lower Upper
228 100
226 28.8 22.3 33.5
229 20.7 16.2 24.4



#83
Chrysene
Concen: 4.70 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:228 Resp: 149335
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 22.5 15.9 23.9



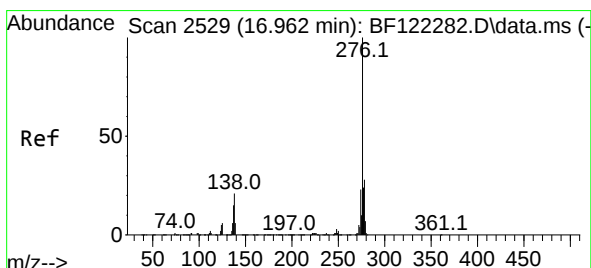
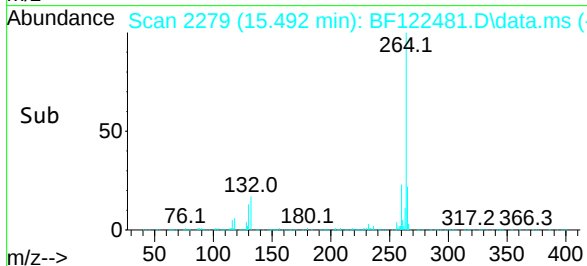
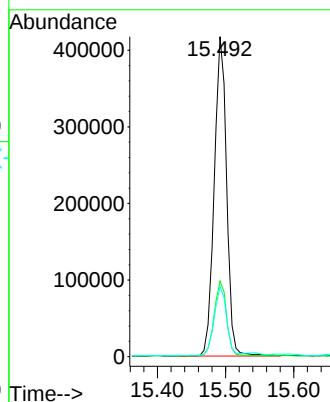
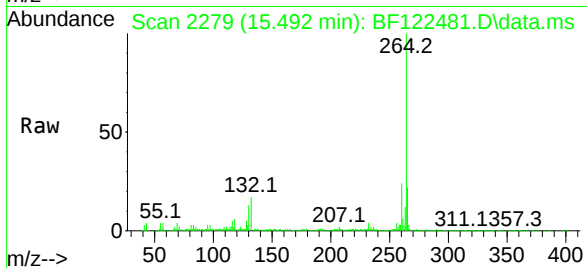


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

Tgt Ion:264 Resp: 527591

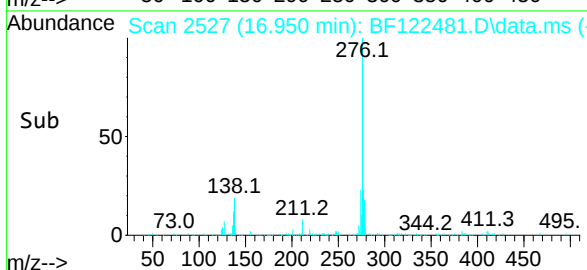
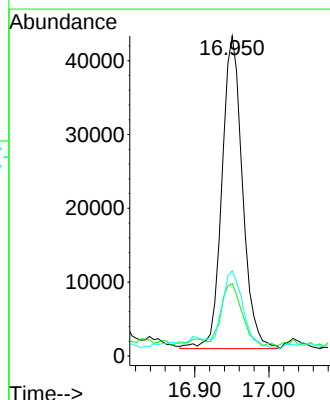
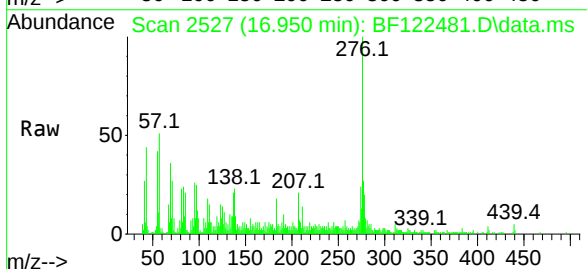
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.9	17.3	25.9

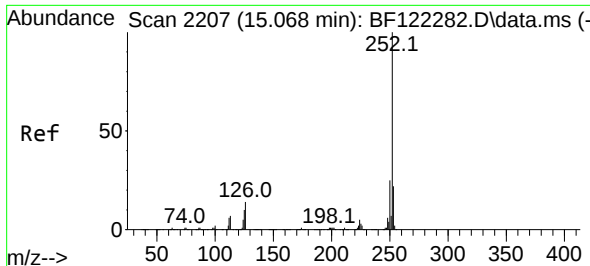


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.57 ng
RT: 16.950 min Scan# 2527
Delta R.T. -0.024 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:276 Resp: 81498

Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.9	29.9
277	26.2	20.4	30.6

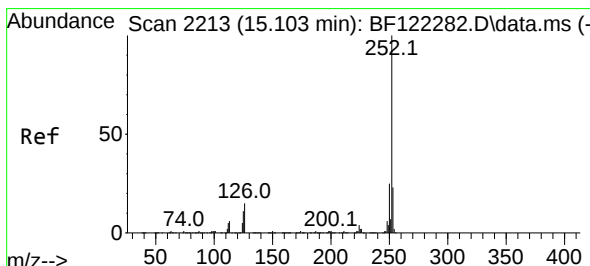
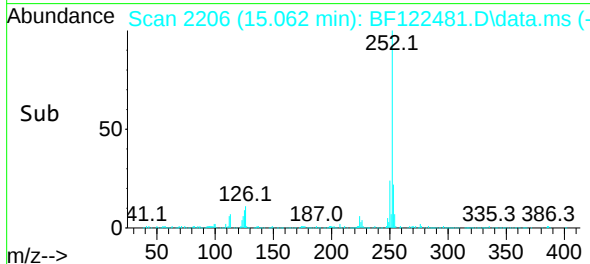
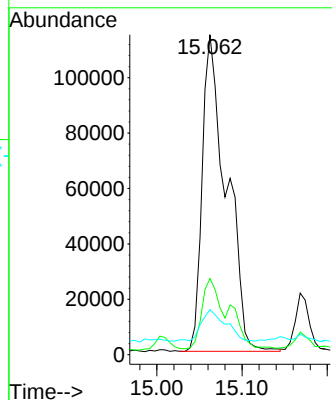
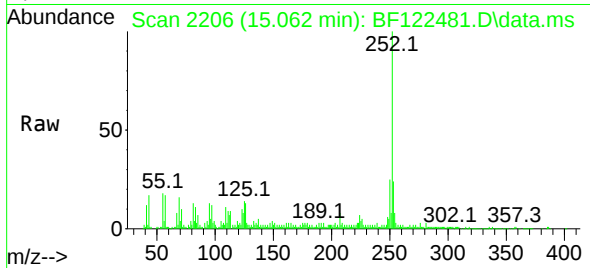




#88
Benzo(b)fluoranthene
Concen: 6.61 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

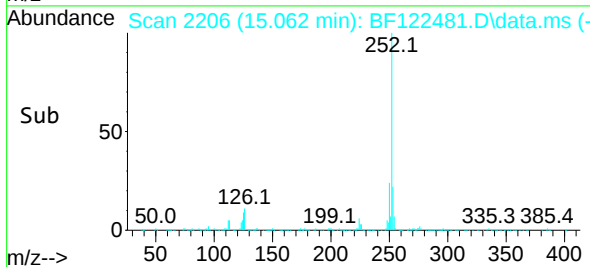
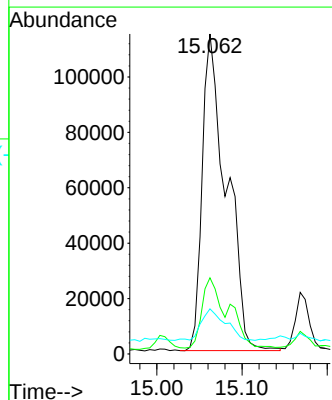
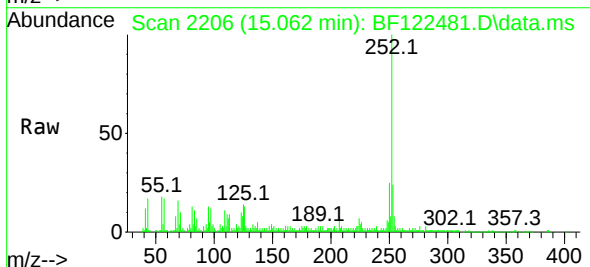
Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

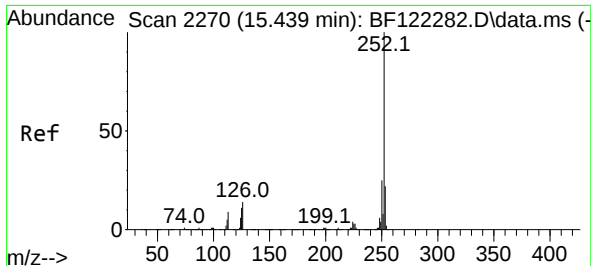
Tgt Ion:252 Resp: 225743
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 14.1 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 6.78 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.047 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:252 Resp: 225743
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 14.1 7.7 11.5#

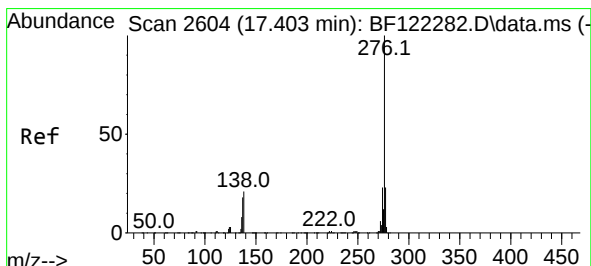
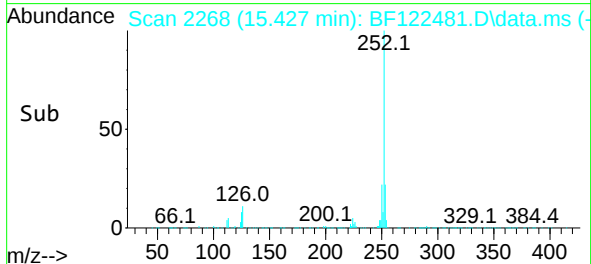
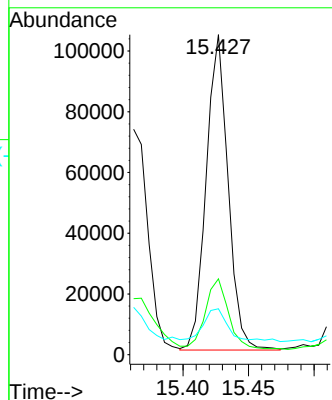
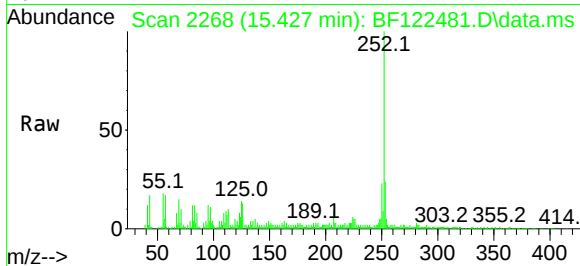




#90
Benzo(a)pyrene
Concen: 4.05 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.018 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Instrument :
BNA_F
ClientSampleId :
PAV-B48-112320-0-10

Tgt Ion:252 Resp: 120735
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 14.3 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 3.18 ng
RT: 17.397 min Scan# 2603
Delta R.T. -0.024 min
Lab File: BF122481.D
Acq: 25 Nov 2020 13:15

Tgt Ion:276 Resp: 81984
Ion Ratio Lower Upper
276 100
277 26.3 19.4 29.2
138 20.5 17.8 26.6

