

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122634.D
 Acq On : 10 Dec 2020 3:40
 Operator : JU/CG
 Sample : L4973-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-120820

Quant Time: Dec 10 06:21:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

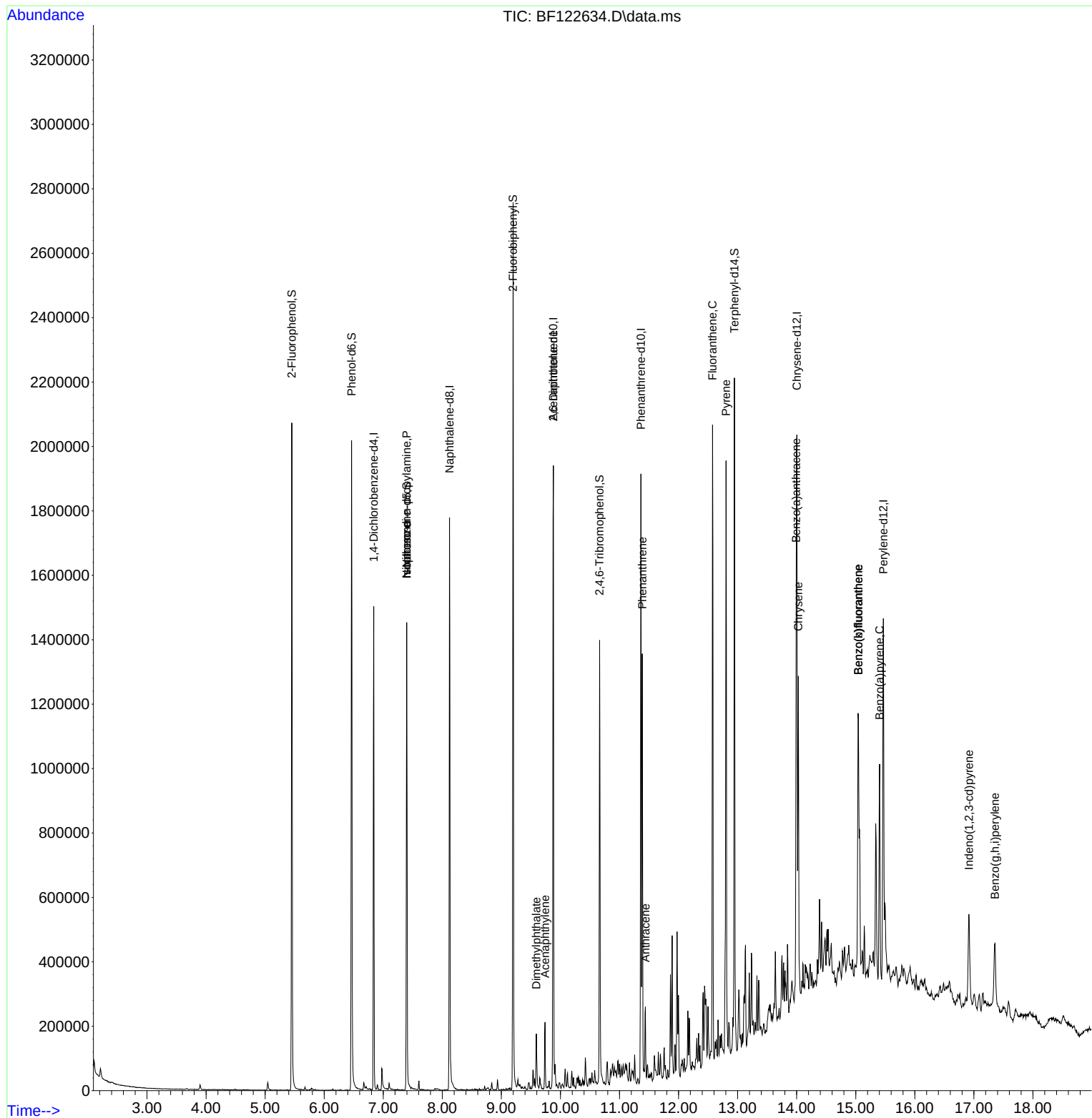
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	211674	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	820674	20.00	ng	0.00
39) Acenaphthene-d10	9.880	164	413316	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	663866	20.00	ng	0.00
76) Chrysene-d12	14.004	240	500665	20.00	ng	0.00
86) Perylene-d12	15.468	264	545726	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	589745	44.11	ng	0.00
7) Phenol-d6	6.463	99	732912	41.33	ng	-0.02
23) Nitrobenzene-d5	7.398	82	442222	27.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	177775	32.86	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	805281	26.35	ng	0.00
79) Terphenyl-d14	12.945	244	627754	21.95	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	57925	5.70	ng	# 77
25) Isophorone	7.398	82	442215	15.67	ng	# 65
49) Acenaphthylene	9.739	152	85200	2.03	ng	98
50) Dimethylphthalate	9.592	163	67812	2.05	ng	99
51) 2,6-Dinitrotoluene	9.880	165	53829	7.72	ng	# 31
71) Phenanthrene	11.386	178	450636	11.42	ng	99
72) Anthracene	11.439	178	93480	2.39	ng	97
75) Fluoranthene	12.574	202	775412	18.74	ng	99
78) Pyrene	12.804	202	737760	19.06	ng	98
81) Benzo(a)anthracene	13.992	228	391886	11.71	ng	96
83) Chrysene	14.027	228	363902	10.93	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	178432	4.98	ng	97
88) Benzo(b)fluoranthene	15.045	252	622859	16.27	ng	100
89) Benzo(k)fluoranthene	15.045	252	622859	17.79	ng	99
90) Benzo(a)pyrene	15.403	252	329574	9.84	ng	99
92) Benzo(g,h,i)perylene	17.356	276	165025	5.82	ng	100

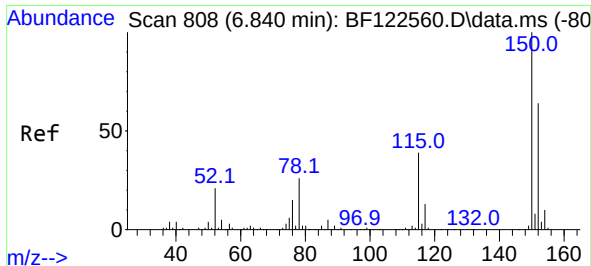
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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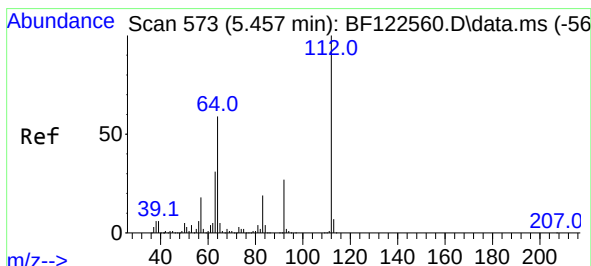
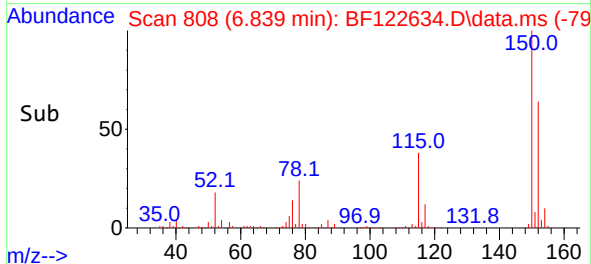
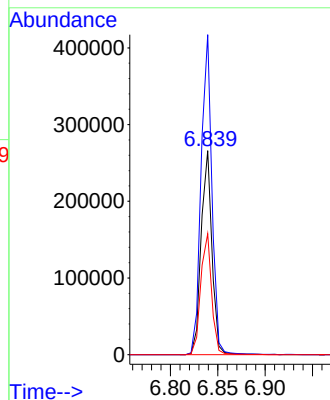
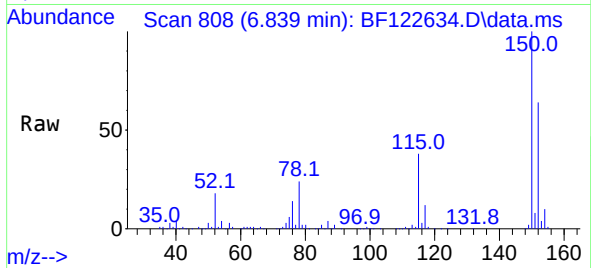




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

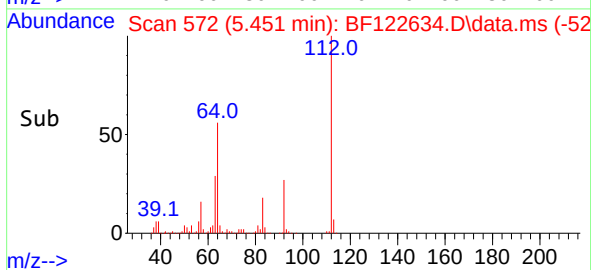
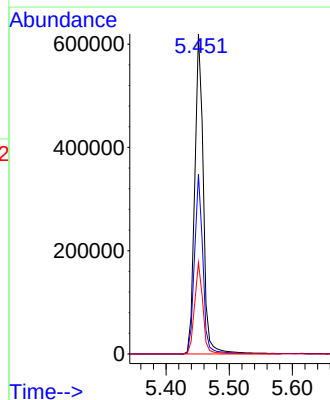
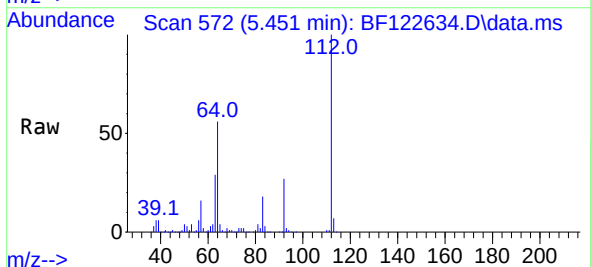
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

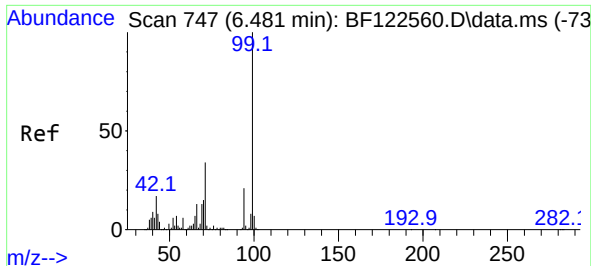
Tgt Ion:152 Resp: 211674
Ion Ratio Lower Upper
152 100
150 156.9 125.8 188.6
115 59.3 49.3 73.9



#5
2-Fluorophenol
Concen: 44.11 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:112 Resp: 589745
Ion Ratio Lower Upper
112 100
64 56.1 46.9 70.3
63 28.6 24.5 36.7



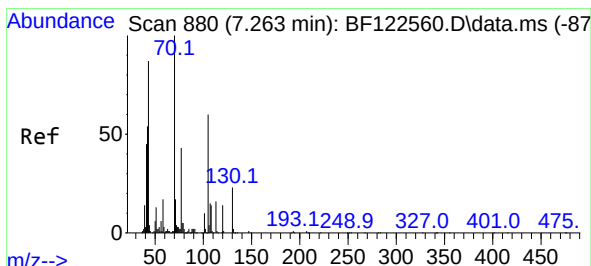
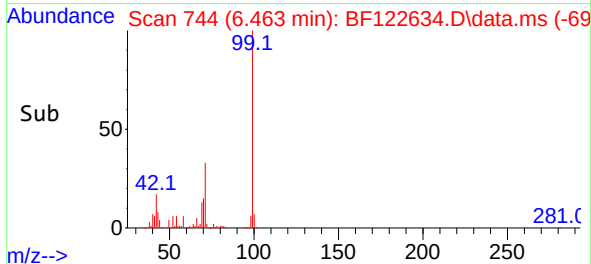
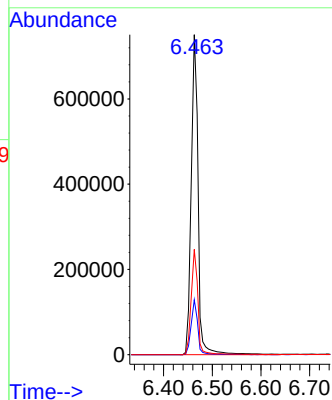
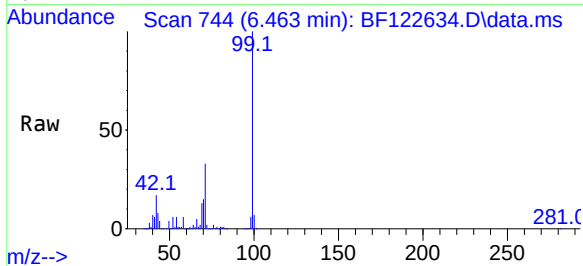


#7
Phenol-d6
Concen: 41.33 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Instrument :
BNA_F
ClientSampleId :
HD-01-120820

Tgt Ion: 99 Resp: 732912

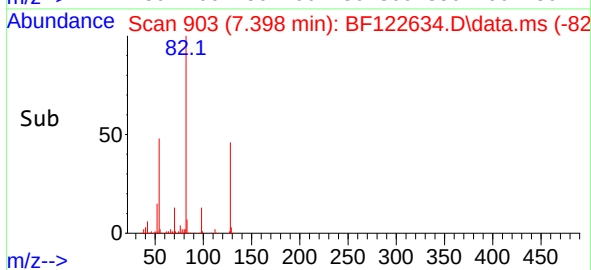
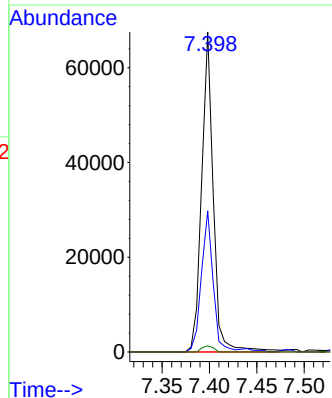
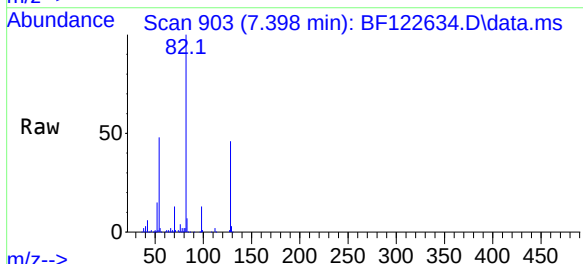
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.6
71	32.9	26.9	40.3

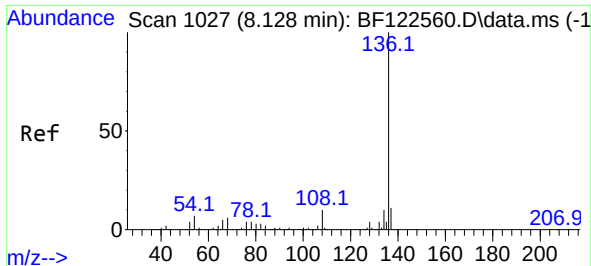


#19
n-Nitroso-di-n-propylamine
Concen: 5.70 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion: 70 Resp: 57925

Ion	Ratio	Lower	Upper
70	100		
42	44.1	43.0	64.4
101	0.0	7.9	11.9#
130	1.9	18.5	27.7#



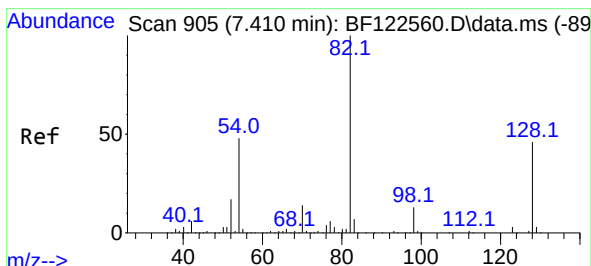
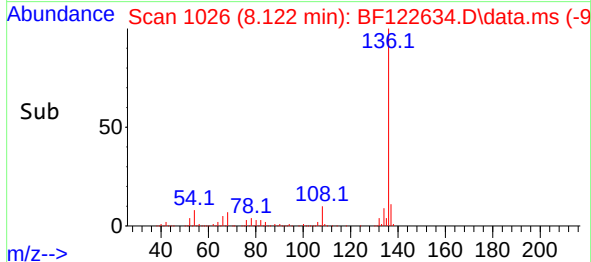
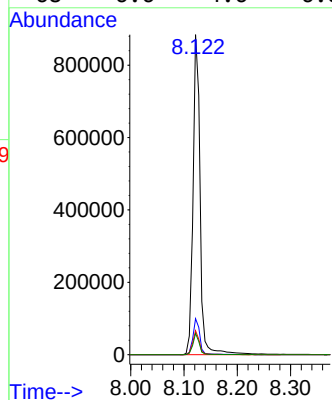
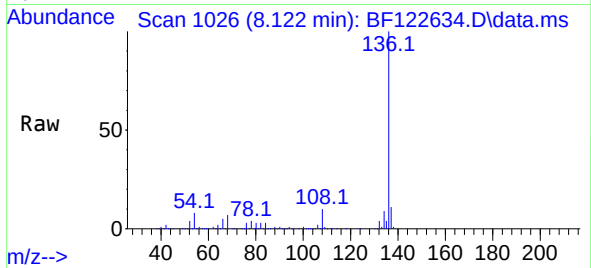


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Instrument :
BNA_F
ClientSampleId :
HD-01-120820

Tgt Ion:136 Resp: 820674

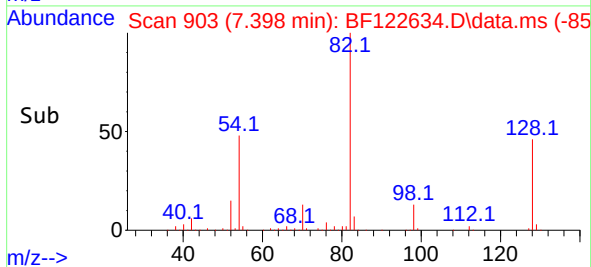
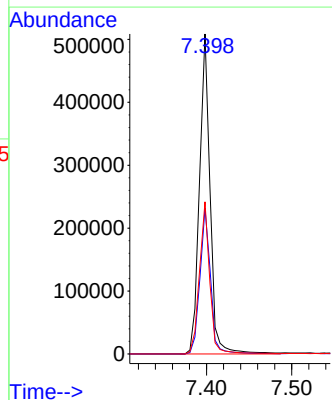
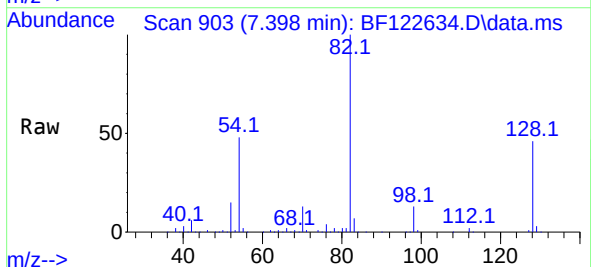
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.5	5.5	8.3
68	6.6	4.6	6.8

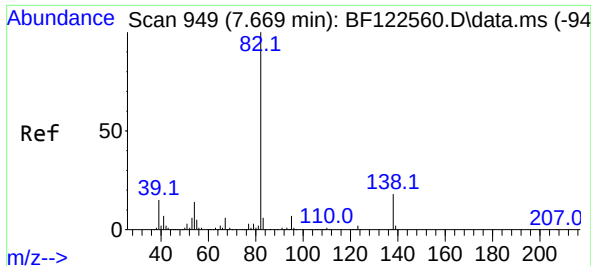


#23
Nitrobenzene-d5
Concen: 27.00 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion: 82 Resp: 442222

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.0	55.4
54	47.6	38.4	57.6

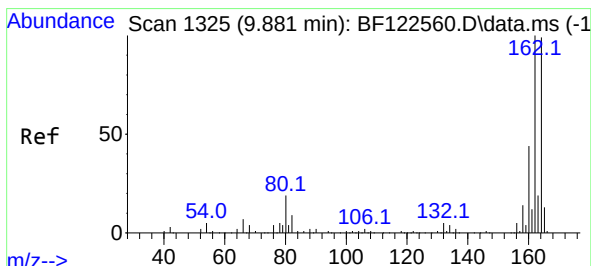
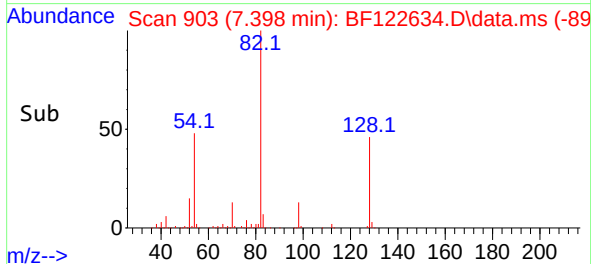
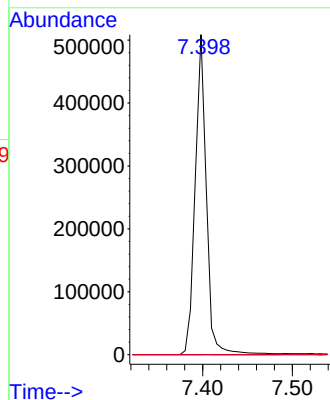
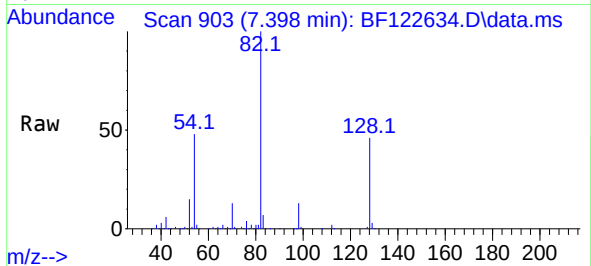




#25
Isophorone
Concen: 15.67 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.271 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

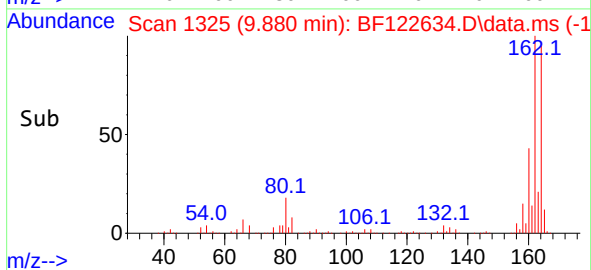
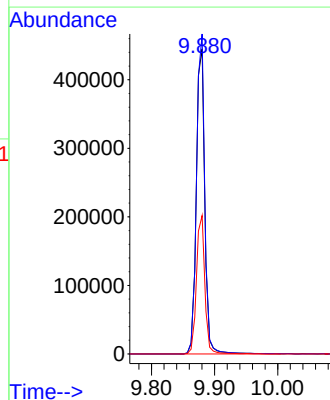
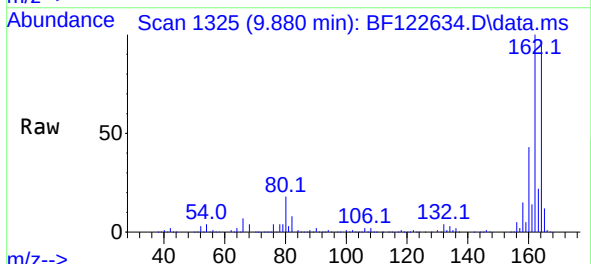
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

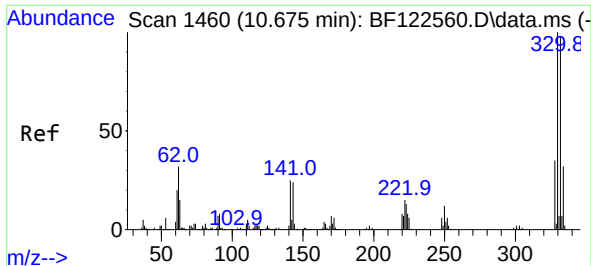
Tgt Ion: 82 Resp: 442215
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.001 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion: 164 Resp: 413316
Ion Ratio Lower Upper
164 100
162 104.9 80.8 121.2
160 45.3 35.4 53.0

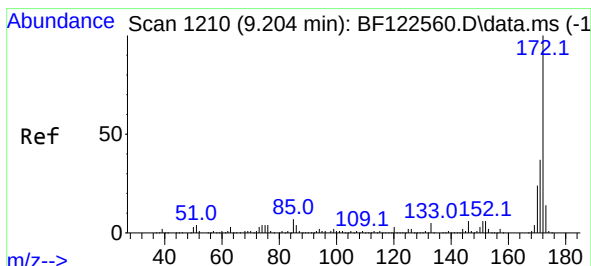
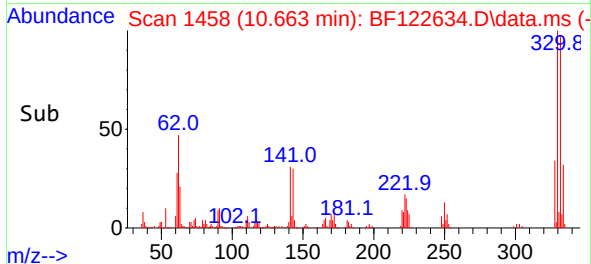
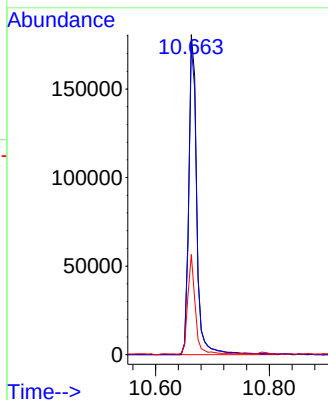
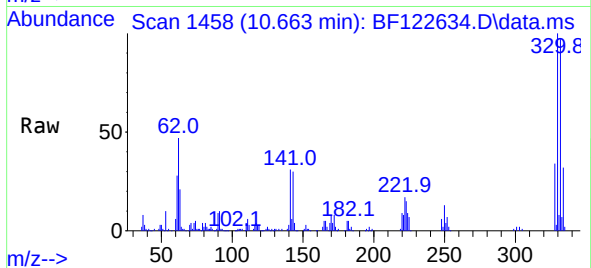




#42
2,4,6-Tribromophenol
Concen: 32.86 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

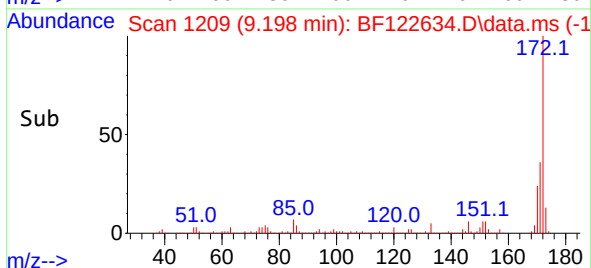
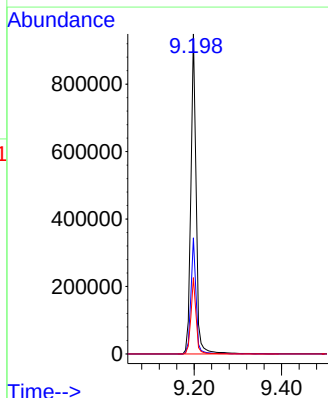
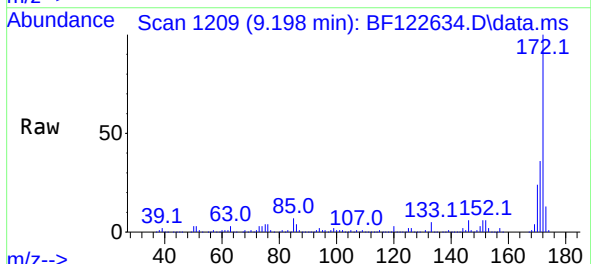
Instrument :
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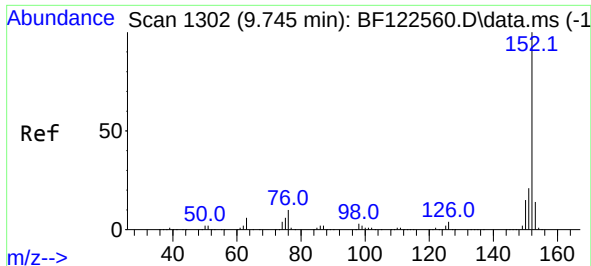
Tgt Ion: 330 Resp: 177775
Ion Ratio Lower Upper
330 100
332 95.1 77.5 116.3
141 28.7 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 26.35 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion: 172 Resp: 805281
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.8 19.5 29.3





#49

Acenaphthylene

Concen: 2.03 ng

RT: 9.739 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BF122634.D

Acq: 10 Dec 2020 3:40

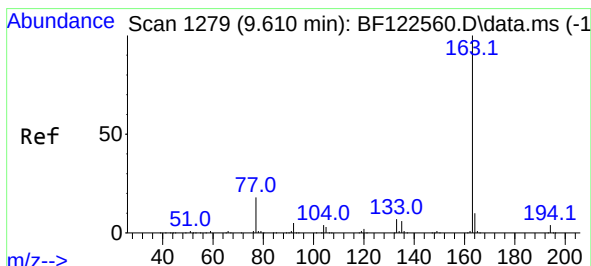
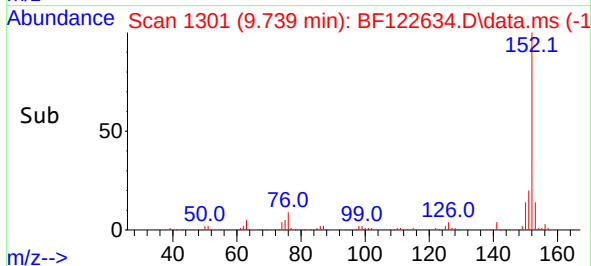
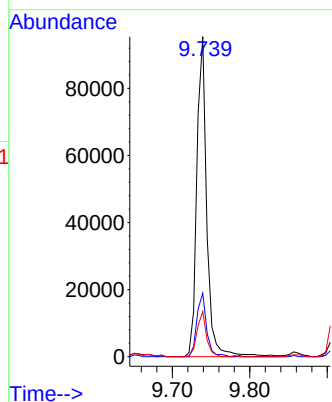
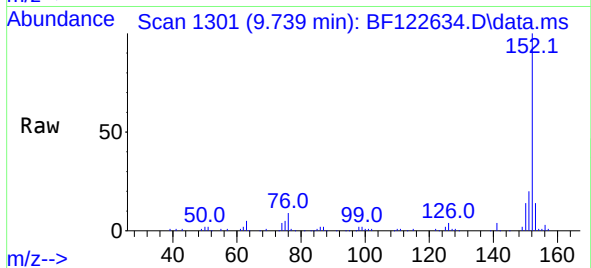
Tgt Ion:152 Resp: 85200

Ion Ratio Lower Upper

152 100

151 19.9 16.6 25.0

153 14.1 10.9 16.3



#50

Dimethylphthalate

Concen: 2.05 ng

RT: 9.592 min Scan# 1276

Delta R.T. -0.018 min

Lab File: BF122634.D

Acq: 10 Dec 2020 3:40

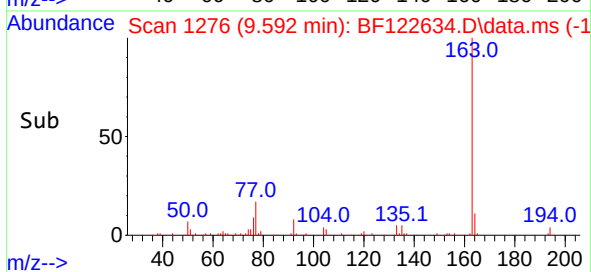
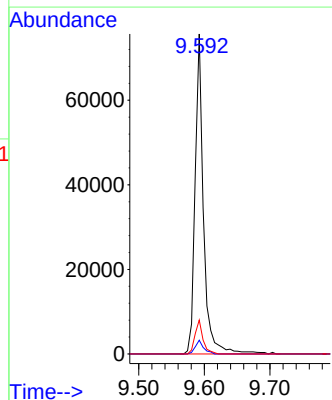
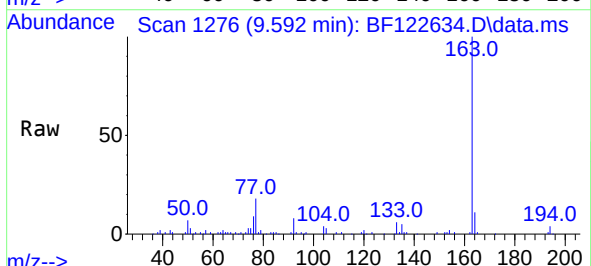
Tgt Ion:163 Resp: 67812

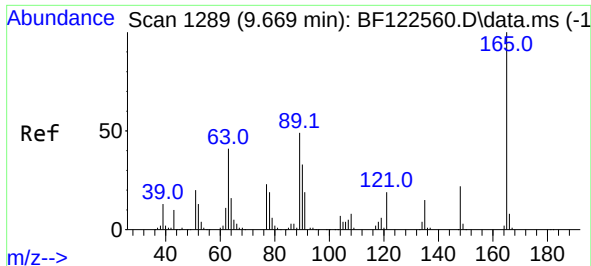
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.6 8.1 12.1

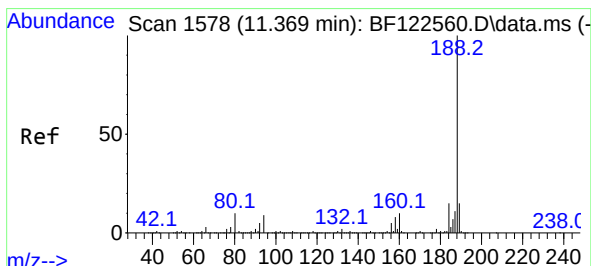
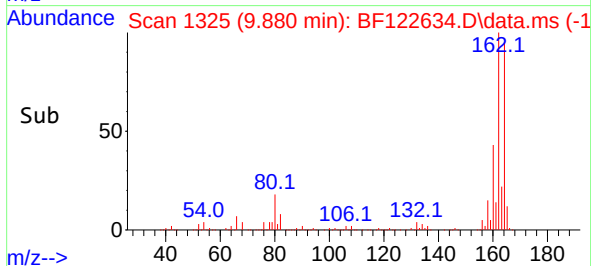
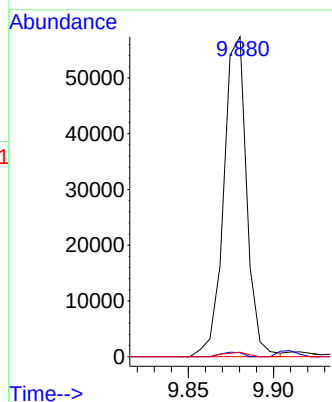
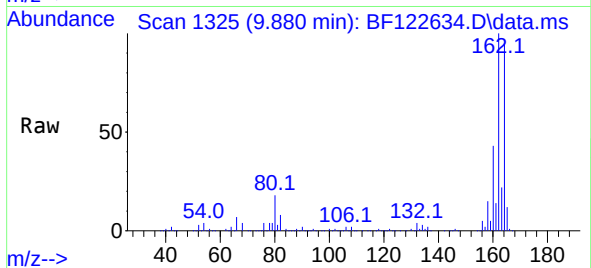




#51
2,6-Dinitrotoluene
Concen: 7.72 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.212 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

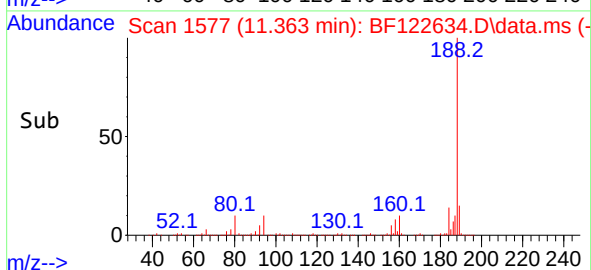
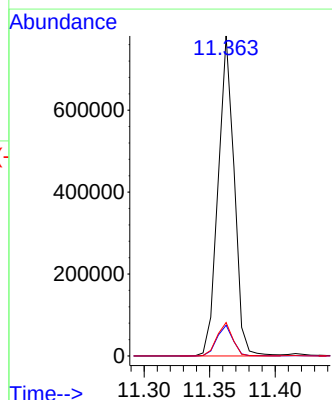
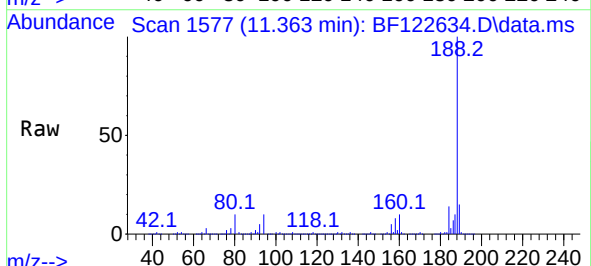
Instrument :
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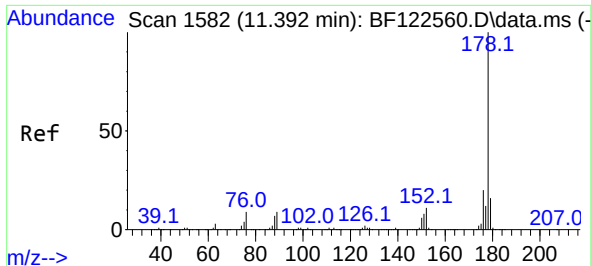
Tgt Ion:165 Resp: 53829
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.4 39.4 59.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:188 Resp: 663866
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.4 8.2 12.4

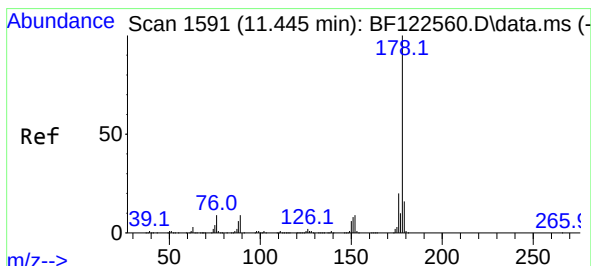
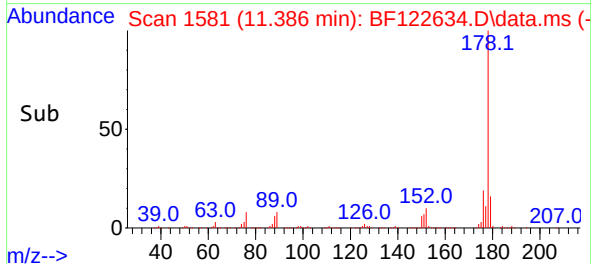
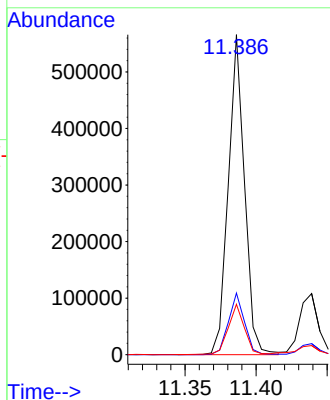
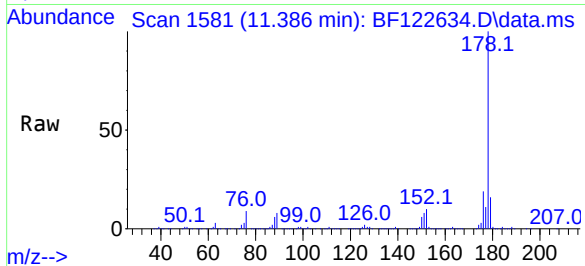




#71
Phenanthrene
Concen: 11.42 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

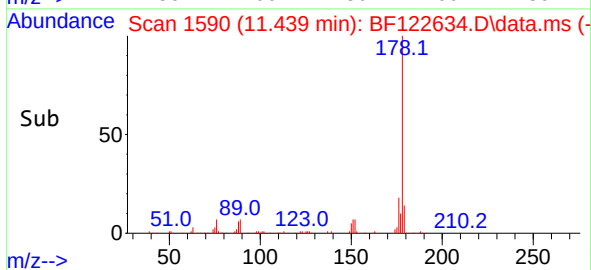
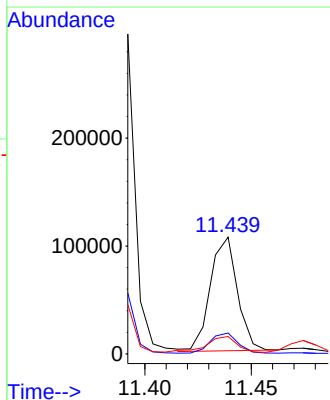
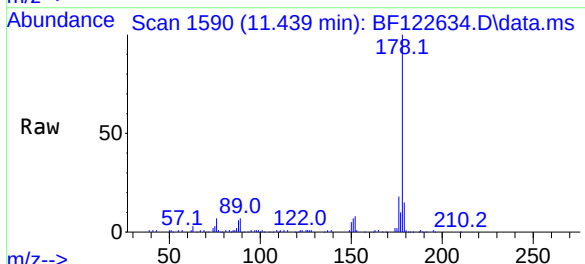
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

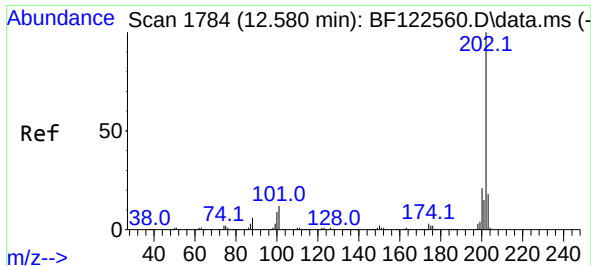
Tgt Ion:178 Resp: 450636
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.8 12.7 19.1



#72
Anthracene
Concen: 2.39 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:178 Resp: 93480
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 14.9 12.8 19.2

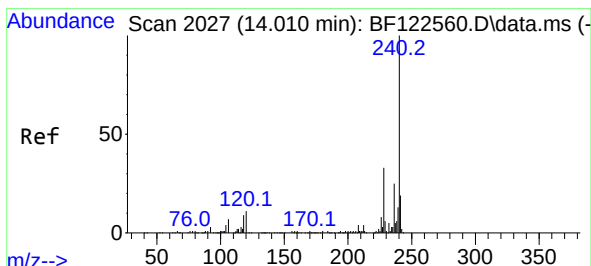
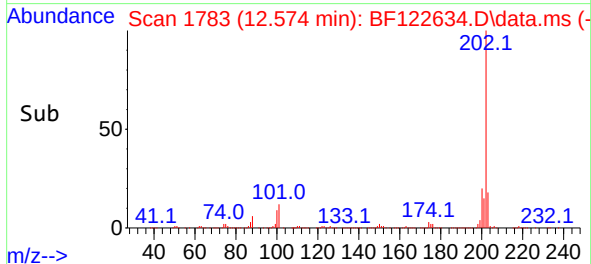
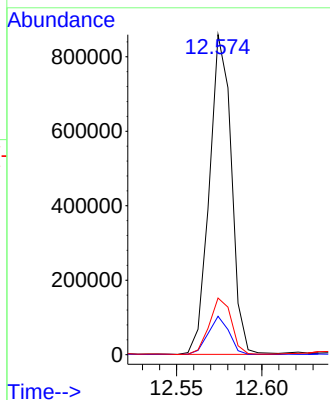
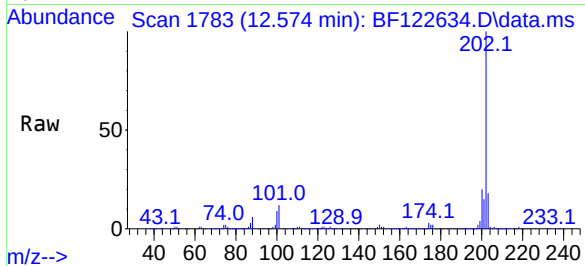




#75
Fluoranthene
Concen: 18.74 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

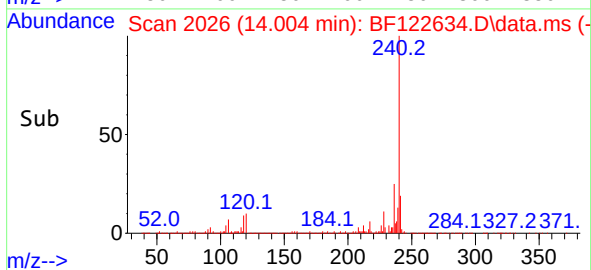
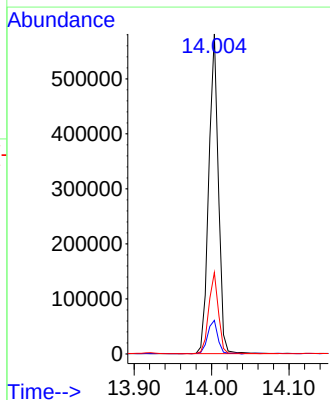
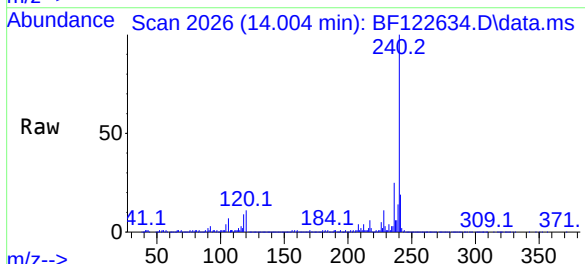
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

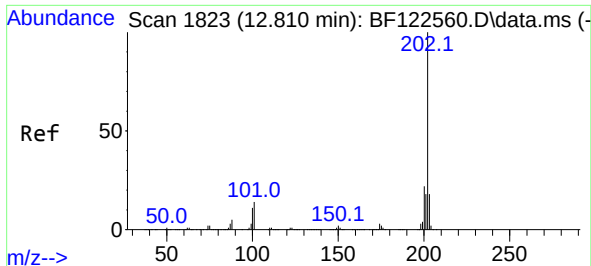
Tgt Ion:202	Resp:	775412
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 32.2
203	17.7	0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:240	Resp:	500665
Ion Ratio	Lower	Upper
240	100	
120	10.5	8.6 12.8
236	25.5	20.3 30.5



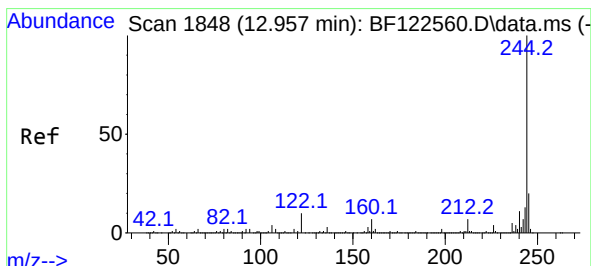
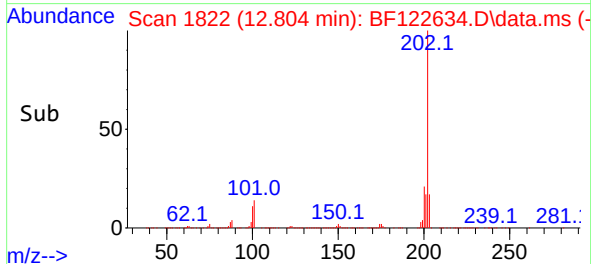
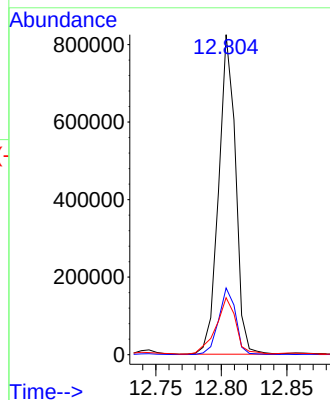
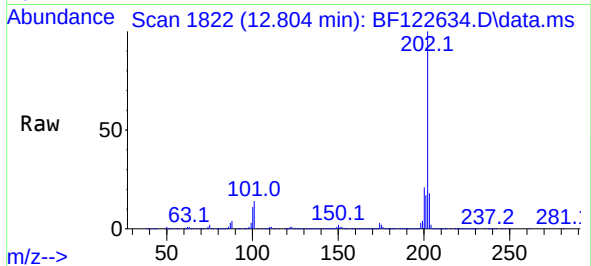


#78
Pyrene
Concen: 19.06 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Instrument :
BNA_F
ClientSampleId :
HD-01-120820

Tgt Ion:202 Resp: 737760

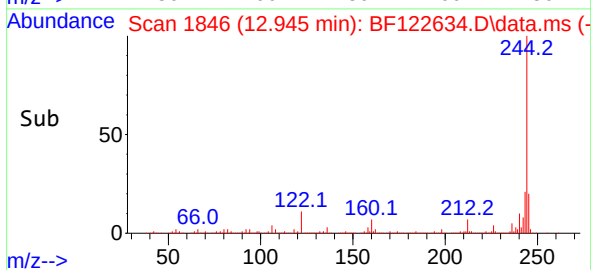
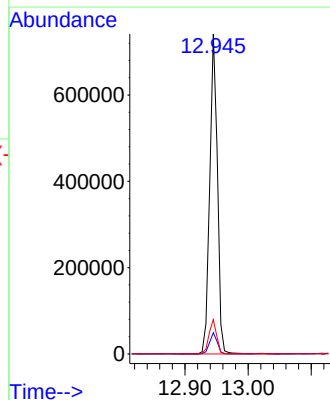
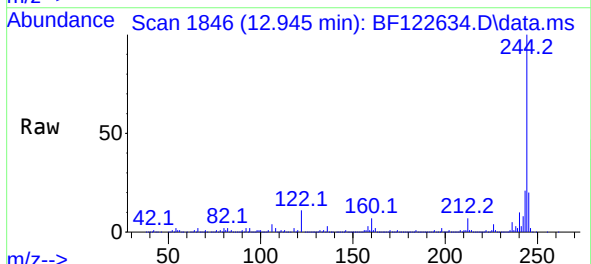
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.8	14.6	21.8

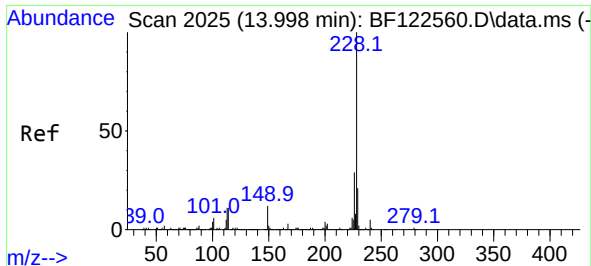


#79
Terphenyl-d14
Concen: 21.95 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:244 Resp: 627754

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.7	8.3	12.5

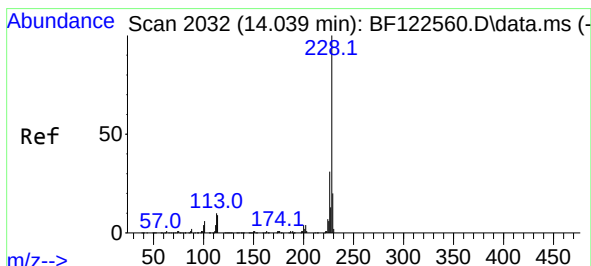
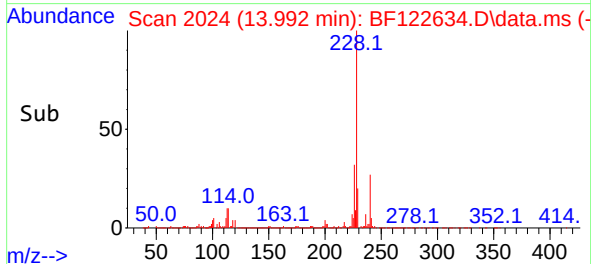
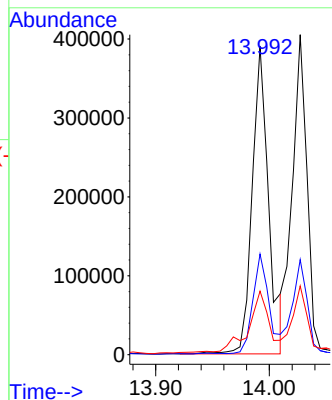
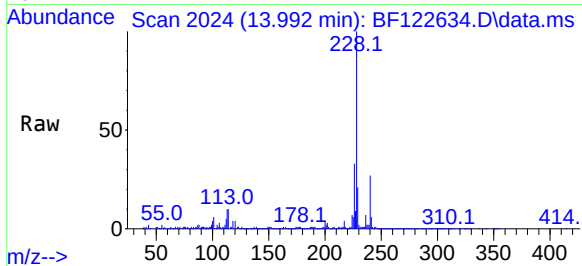




#81
Benzo(a)anthracene
Concen: 11.71 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

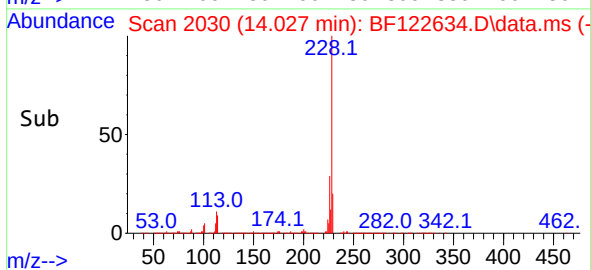
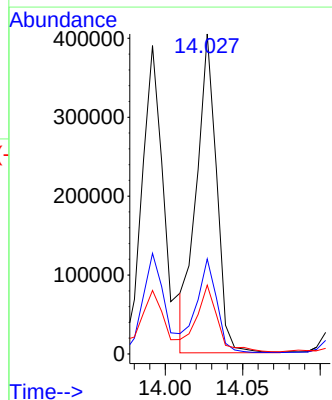
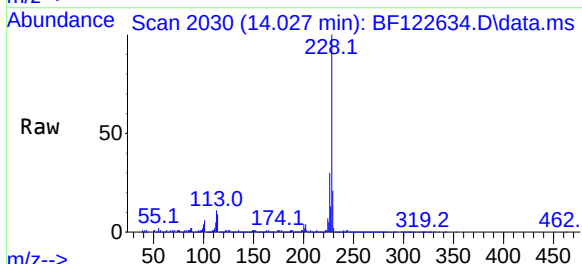
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

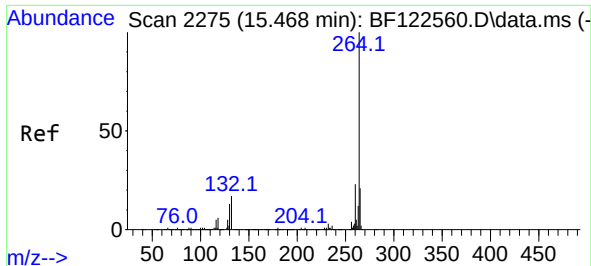
Tgt	Ion:228	Resp:	391886
Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.0	34.4
229	20.6	16.6	24.8



#83
Chrysene
Concen: 10.93 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt	Ion:228	Resp:	363902
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	36.8
229	21.5	15.8	23.6

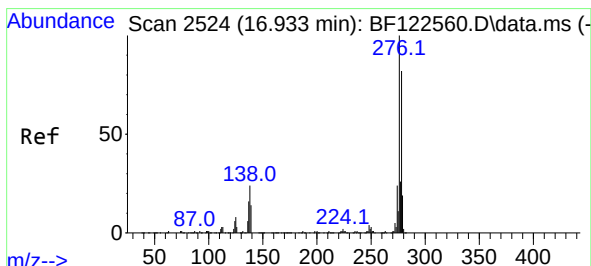
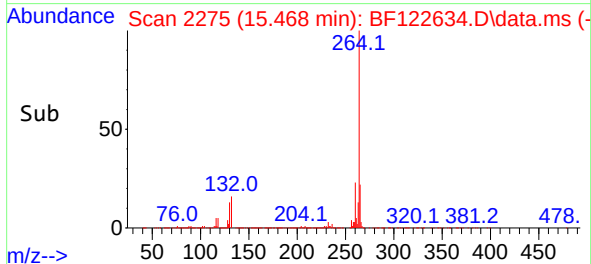
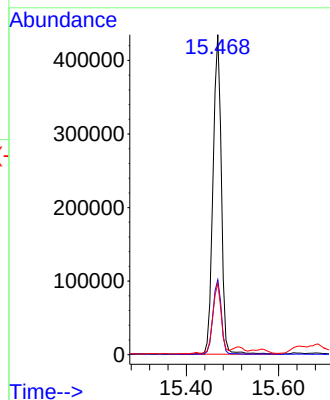
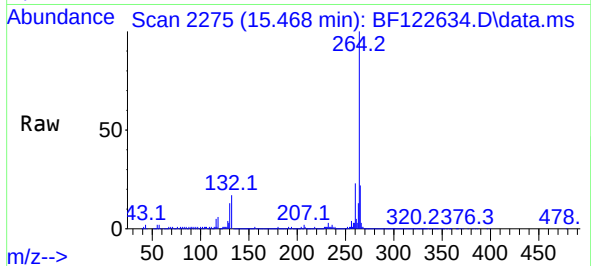




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

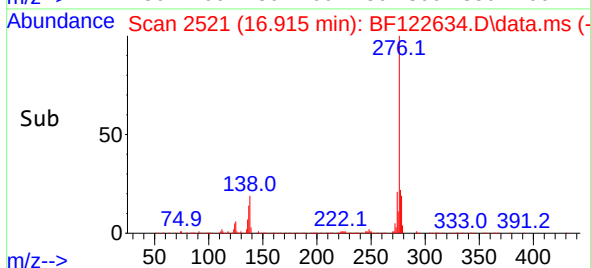
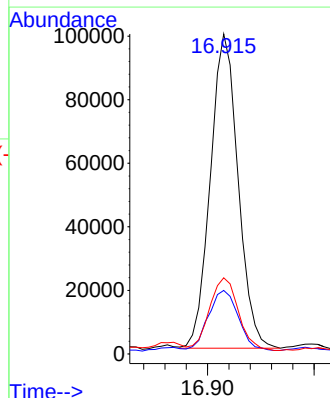
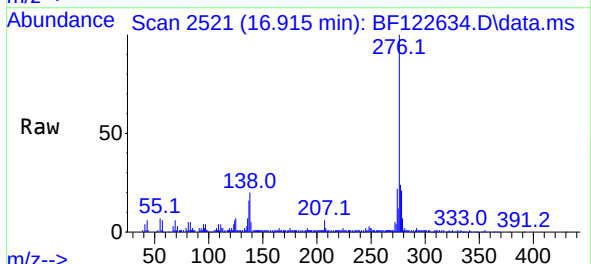
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

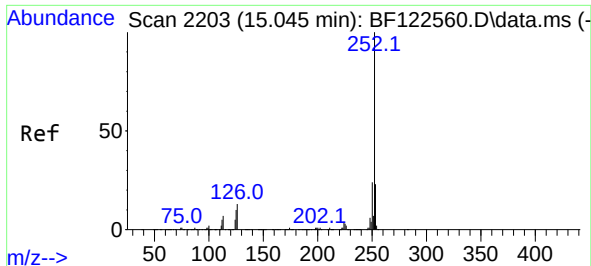
Tgt Ion:	264	Resp:	545726
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	28.0
265	22.3	17.0	25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.98 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:	276	Resp:	178432
Ion Ratio	Lower	Upper	
276	100		
138	21.3	18.7	28.1
277	24.2	20.2	30.4

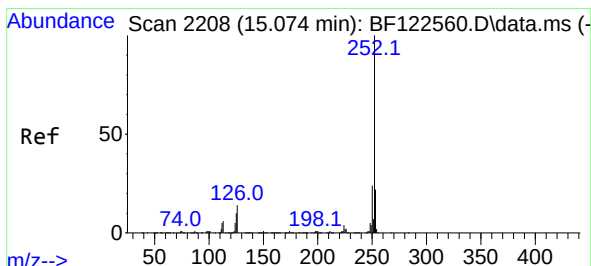
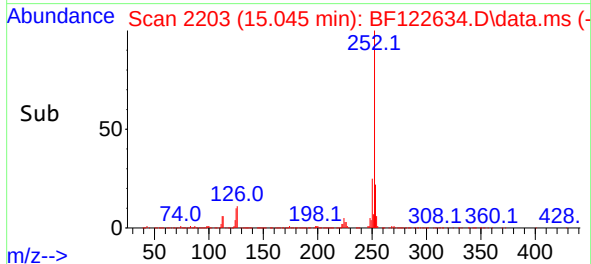
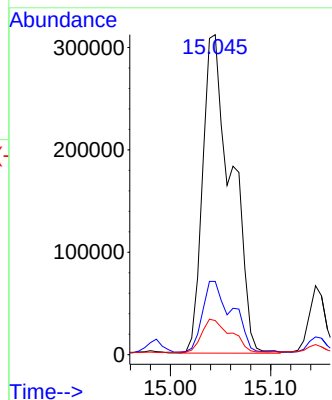
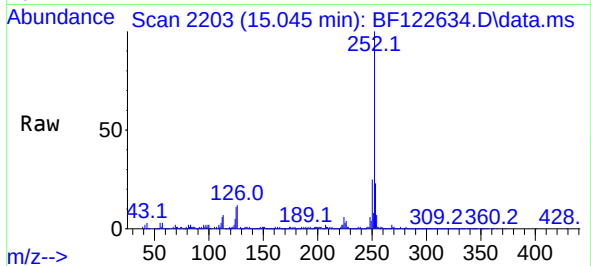




#88
Benzo(b)fluoranthene
Concen: 16.27 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

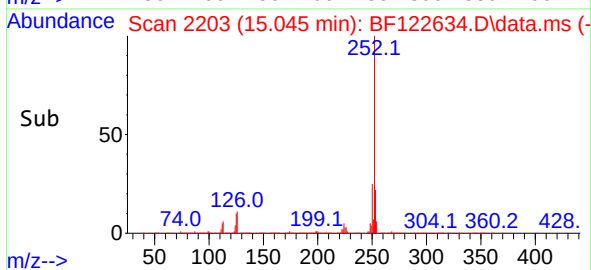
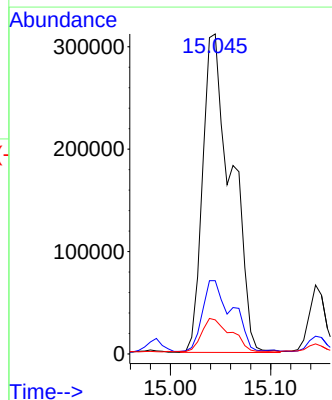
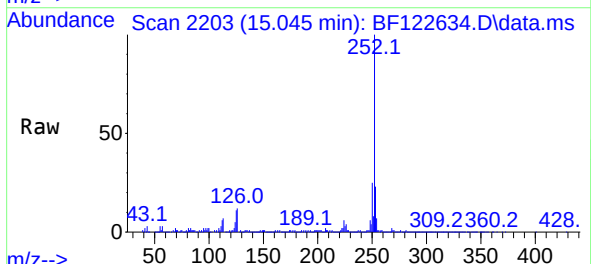
Instrument :
BNA_F
ClientSampleId :
HD-01-120820

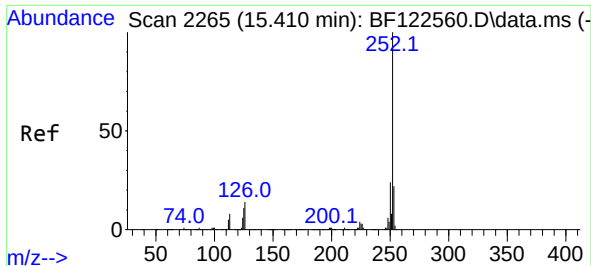
Tgt Ion:252 Resp: 622859
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 17.79 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.030 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:252 Resp: 622859
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.6 8.4 12.6

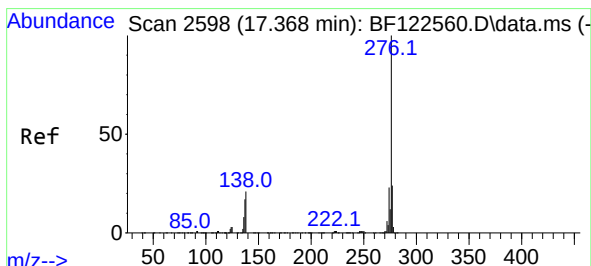
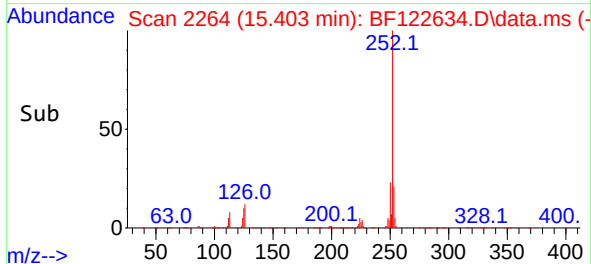
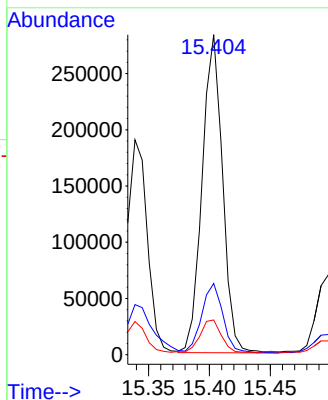
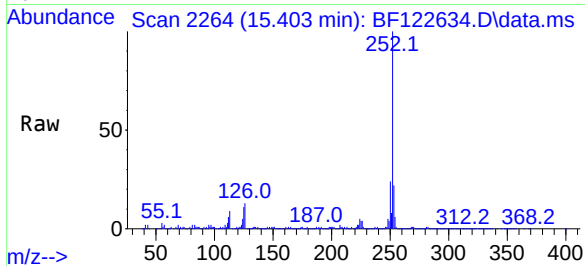




#90
Benzo(a)pyrene
Concen: 9.84 ng
RT: 15.403 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Instrument :
BNA_F
ClientSampleId :
HD-01-120820

Tgt Ion:252 Resp: 329574
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.9 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 5.82 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF122634.D
Acq: 10 Dec 2020 3:40

Tgt Ion:276 Resp: 165025
Ion Ratio Lower Upper
276 100
277 24.0 19.3 28.9
138 20.8 16.6 24.8

