

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
 Data File : BF122712.D
 Acq On : 14 Dec 2020 18:27
 Operator : JU/CG
 Sample : L5048-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121120

Quant Time: Dec 14 23:53:58 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)

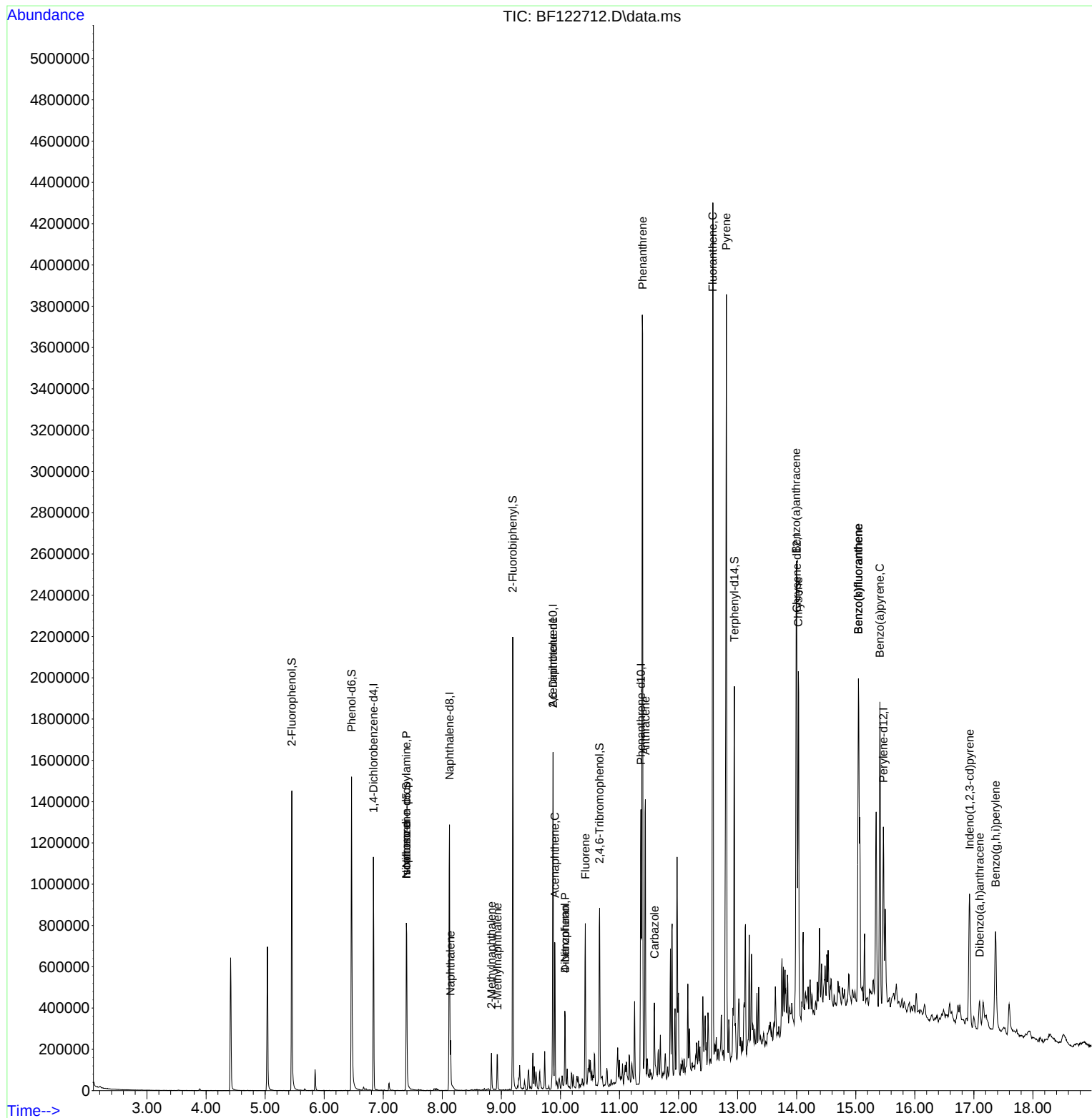
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	159945	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	628731	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	323830	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	532378	20.00	ng	0.00
76) Chrysene-d12	14.004	240	365465	20.00	ng	0.00
86) Perylene-d12	15.468	264	403753	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	427726	42.34	ng	0.00
7) Phenol-d6	6.463	99	553421	41.30	ng	-0.02
23) Nitrobenzene-d5	7.392	82	299731	23.88	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	106098	25.03	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	669408	27.96	ng	-0.01
79) Terphenyl-d14	12.945	244	558154	26.73	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	38079	4.96	ng	# 79
25) Isophorone	7.392	82	296845	13.73	ng	# 65
31) Naphthalene	8.139	128	85200	2.46	ng	99
37) 2-Methylnaphthalene	8.833	142	54230	2.36	ng	98
38) 1-Methylnaphthalene	8.933	142	53102	2.45	ng	98
51) 2,6-Dinitrotoluene	9.875	165	43689	8.00	ng	# 31
52) Acenaphthene	9.904	154	141633	6.66	ng	99
55) Dibenzofuran	10.080	168	140792	4.70	ng	96
56) 4-Nitrophenol	10.080	139	52349	11.63	ng	# 15
58) Fluorene	10.422	166	218816	9.19	ng	99
71) Phenanthrene	11.392	178	1563726	49.42	ng	100
72) Anthracene	11.439	178	546911	17.43	ng	98
73) Carbazole	11.592	167	147627	5.19	ng	98
75) Fluoranthene	12.580	202	1835541	55.32	ng	99
78) Pyrene	12.810	202	1666439	58.98	ng	99
81) Benzo(a)anthracene	13.992	228	832784	34.10	ng	99
83) Chrysene	14.027	228	708946	29.17	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	442396	16.69	ng	94
88) Benzo(b)fluoranthene	15.045	252	1251725	44.19	ng	99
89) Benzo(k)fluoranthene	15.045	252	1251725	48.33	ng	100
90) Benzo(a)pyrene	15.409	252	723975	29.21	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	91665	4.23	ng	95
92) Benzo(g,h,i)perylene	17.368	276	405653	19.32	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122712.D
Acq On : 14 Dec 2020 18:27
Operator : JU/CG
Sample : L5048-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Quant Time: Dec 14 23:53:58 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

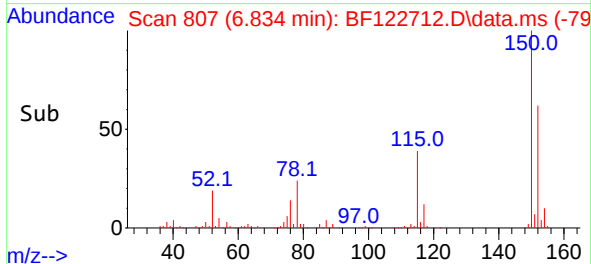
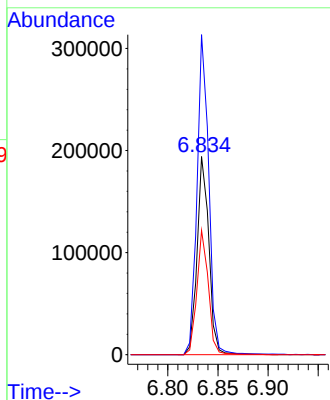
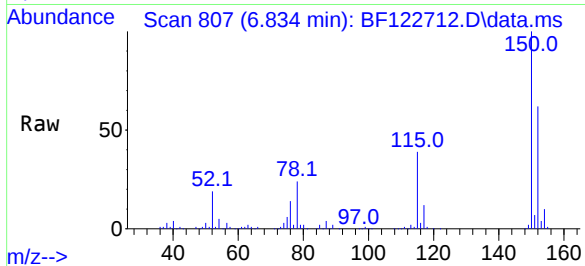




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

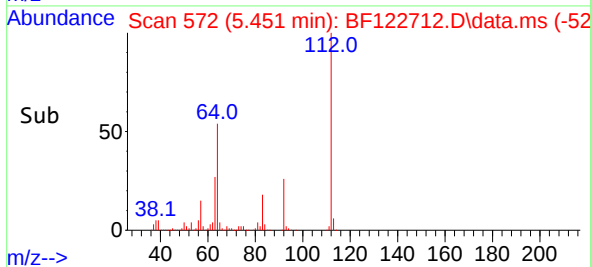
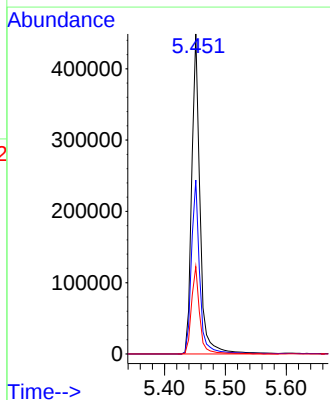
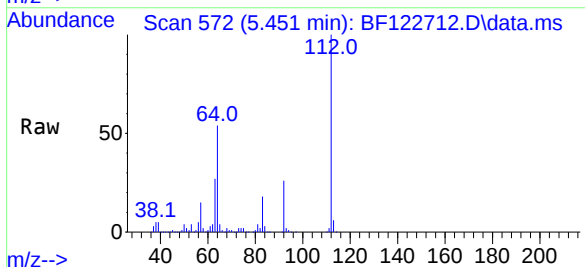
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion:152 Resp: 159945
Ion Ratio Lower Upper
152 100
150 161.5 125.8 188.6
115 62.7 49.3 73.9



#5
2-Fluorophenol
Concen: 42.34 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:112 Resp: 427726
Ion Ratio Lower Upper
112 100
64 54.3 46.9 70.3
63 27.3 24.5 36.7



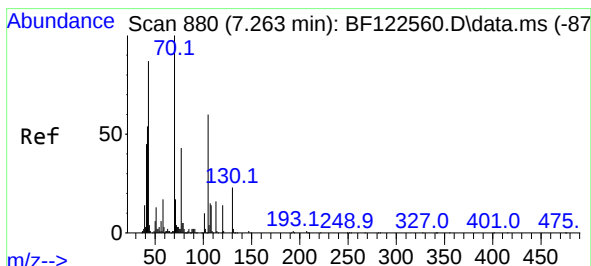
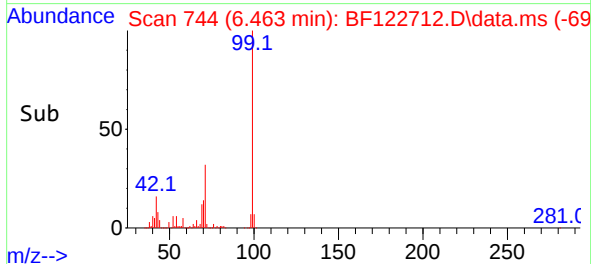
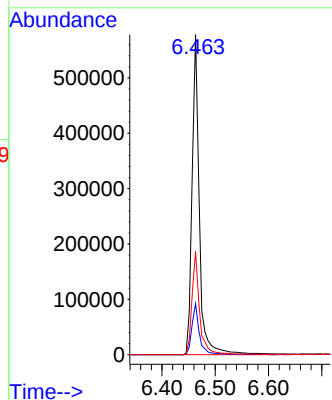
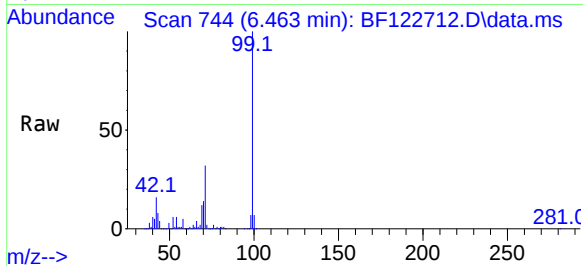


#7
Phenol-d6
Concen: 41.30 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion: 99 Resp: 553421

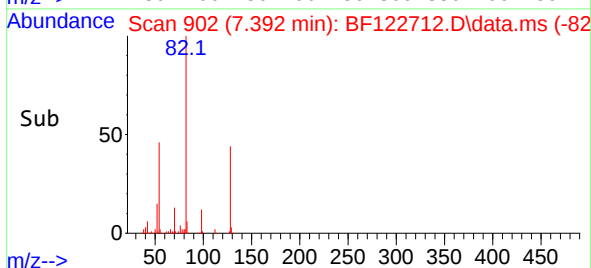
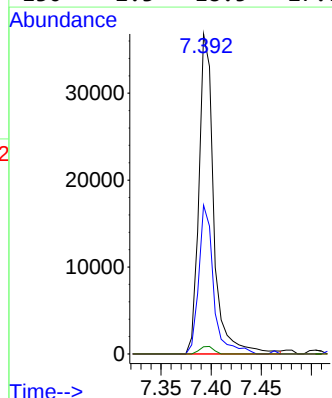
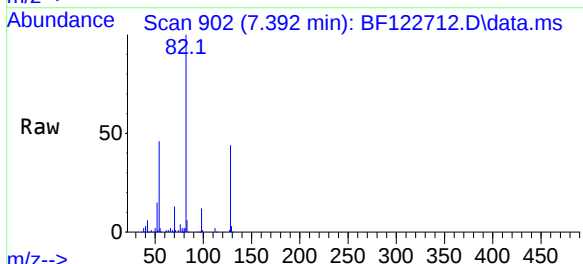
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.8	20.6
71	32.3	26.9	40.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.96 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.129 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion: 70 Resp: 38079

Ion	Ratio	Lower	Upper
70	100		
42	46.5	43.0	64.4
101	0.0	7.9	11.9#
130	2.3	18.5	27.7#



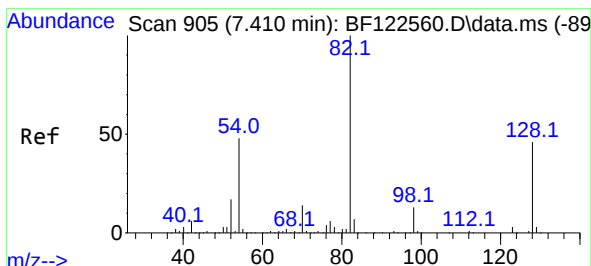
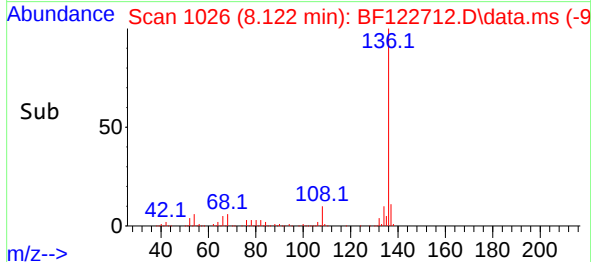
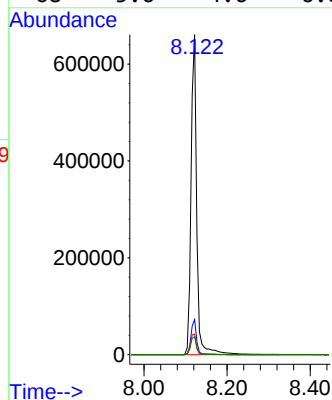
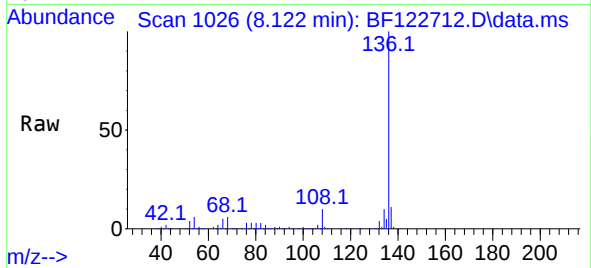


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion:136 Resp: 628731

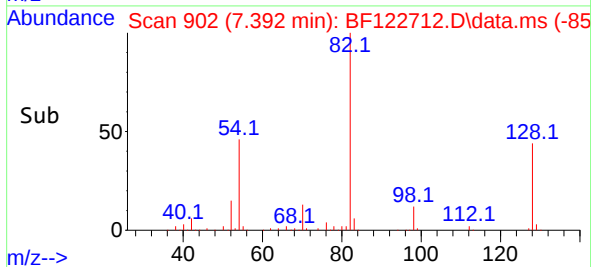
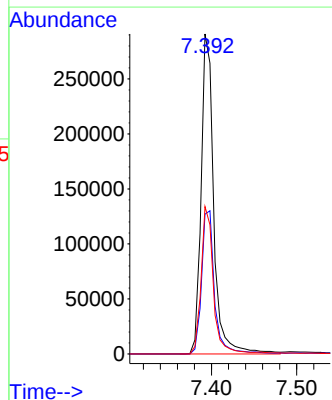
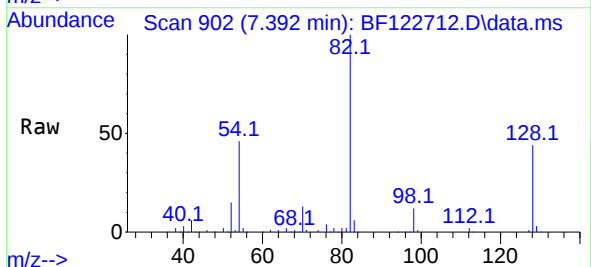
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.4	5.5	8.3
68	5.6	4.6	6.8

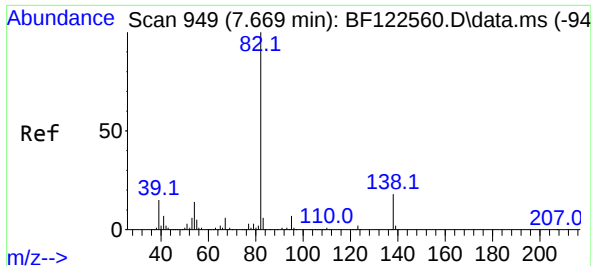


#23
Nitrobenzene-d5
Concen: 23.88 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion: 82 Resp: 299731

Ion	Ratio	Lower	Upper
82	100		
128	43.7	37.0	55.4
54	46.1	38.4	57.6

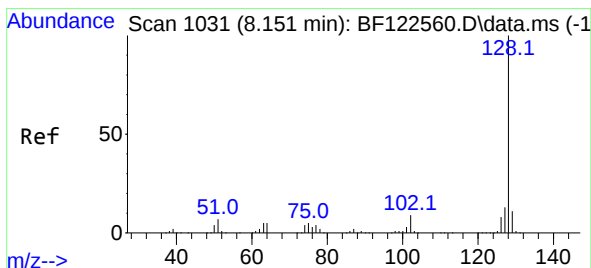
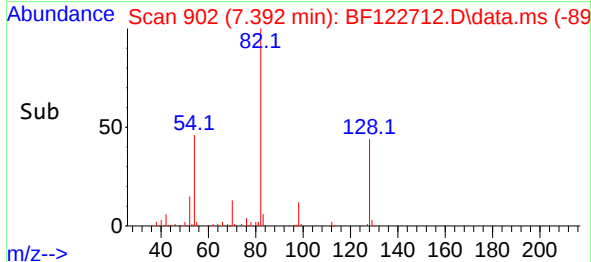
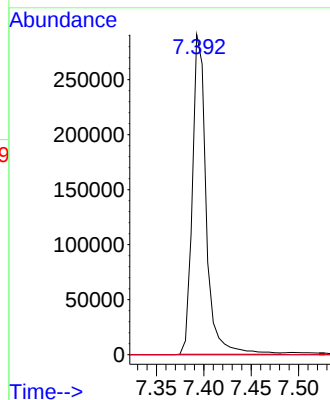
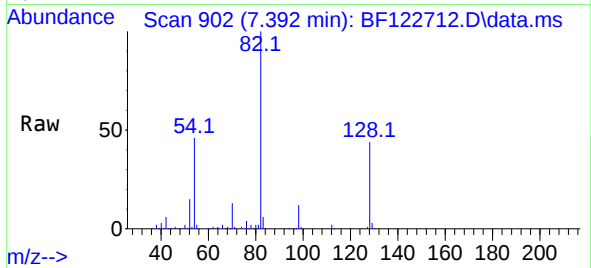




#25
Isophorone
Concen: 13.73 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.277 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

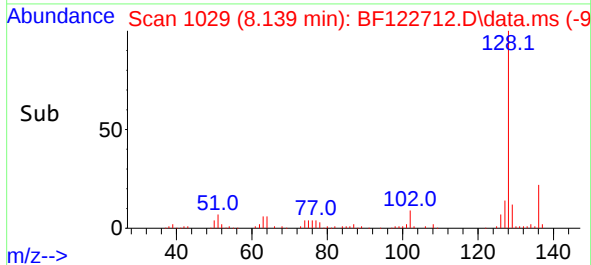
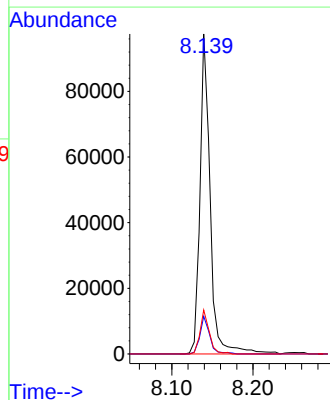
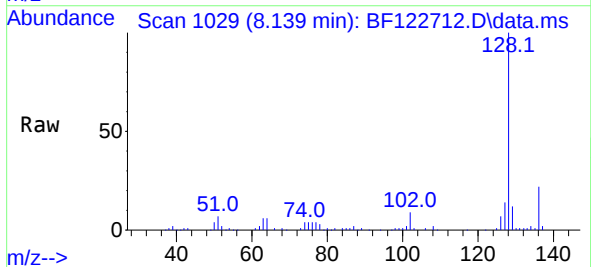
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

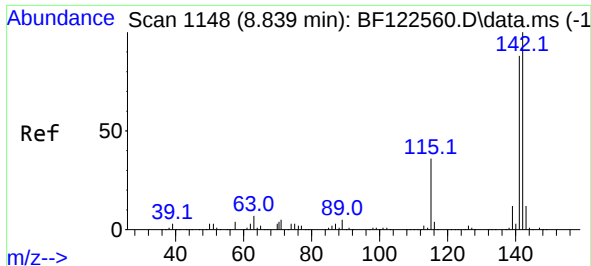
Tgt Ion: 82 Resp: 296845
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#31
Naphthalene
Concen: 2.46 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion: 128 Resp: 85200
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 13.8 10.7 16.1

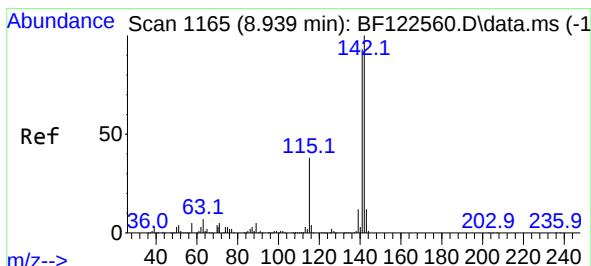
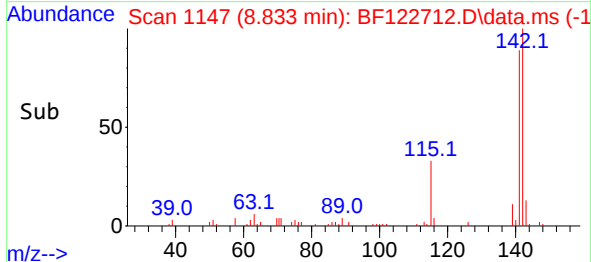
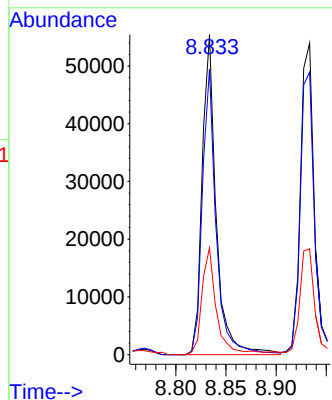
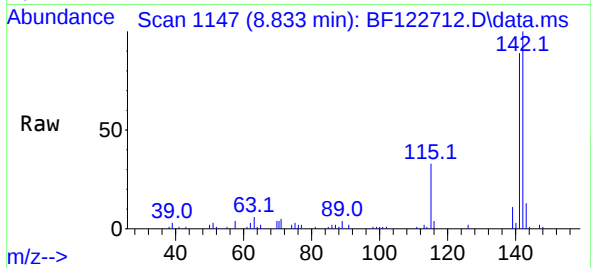




#37
2-Methylnaphthalene
Concen: 2.36 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

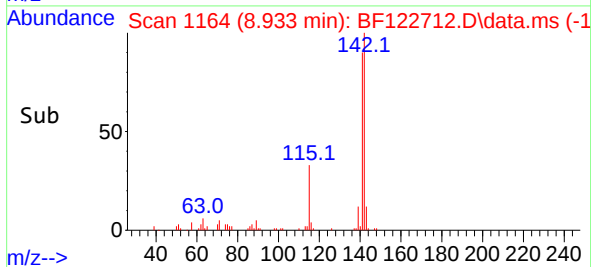
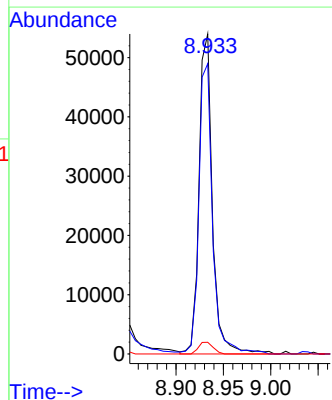
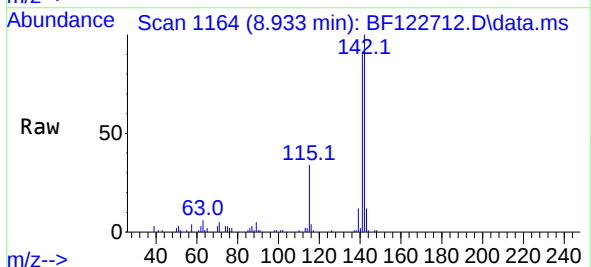
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

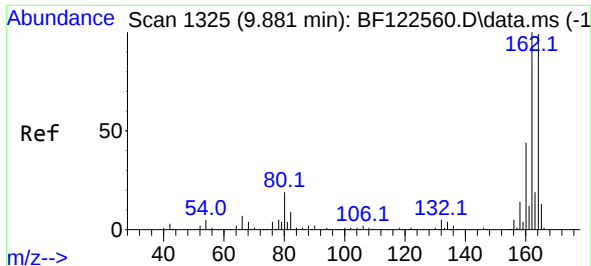
Tgt Ion:142 Resp: 54230
Ion Ratio Lower Upper
142 100
141 89.1 70.6 106.0
115 33.4 28.7 43.1



#38
1-Methylnaphthalene
Concen: 2.45 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:142 Resp: 53102
Ion Ratio Lower Upper
142 100
141 90.7 74.5 111.7
116 3.6 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF122712.D

Acq: 14 Dec 2020 18:27

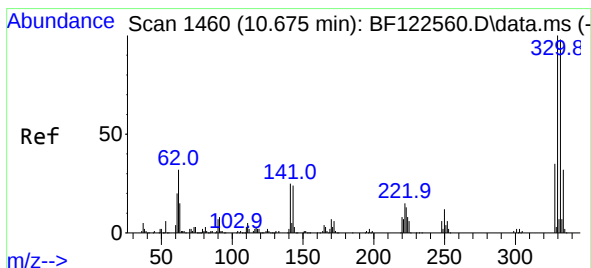
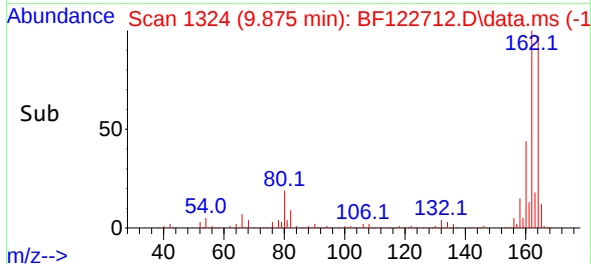
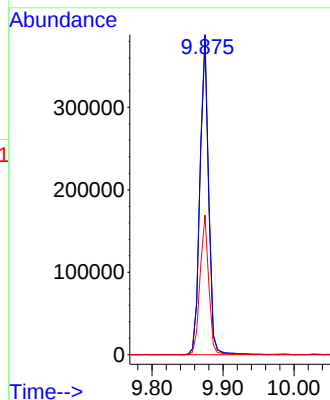
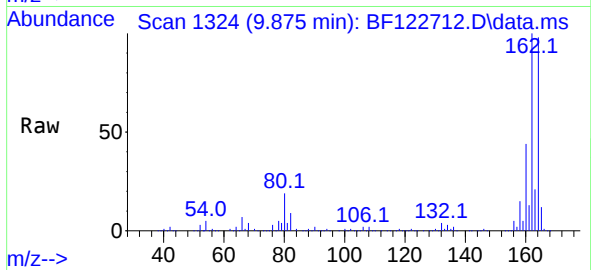
Tgt Ion:164 Resp: 323830

Ion Ratio Lower Upper

164 100

162 102.2 80.8 121.2

160 44.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 25.03 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF122712.D

Acq: 14 Dec 2020 18:27

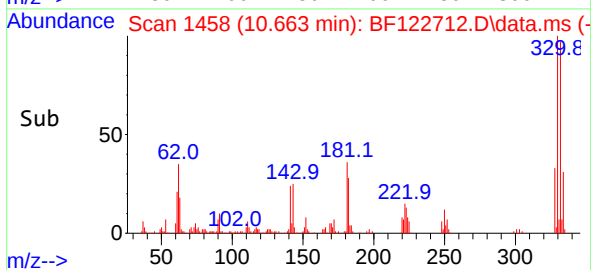
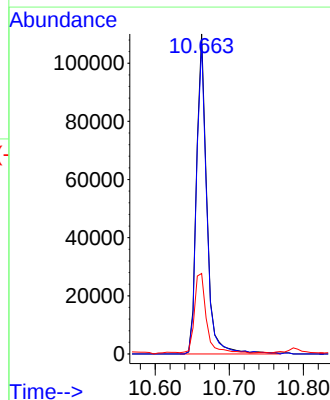
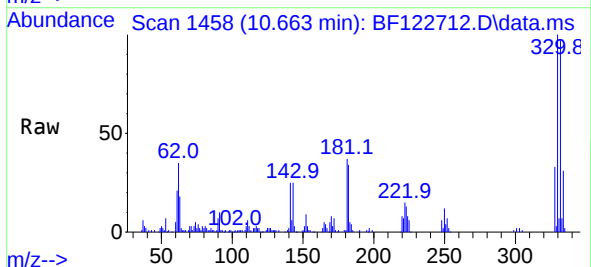
Tgt Ion:330 Resp: 106098

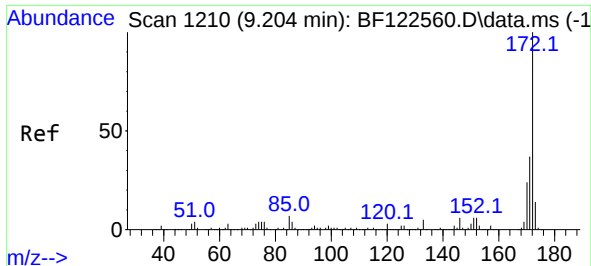
Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

141 29.3 23.8 35.8

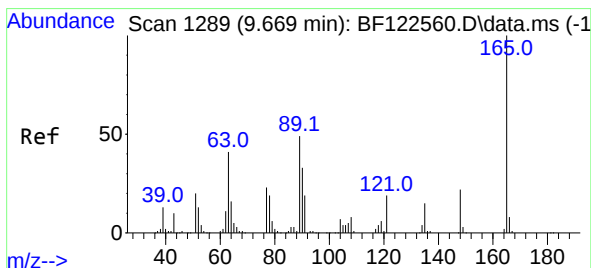
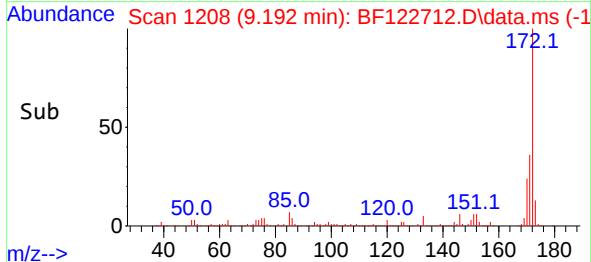
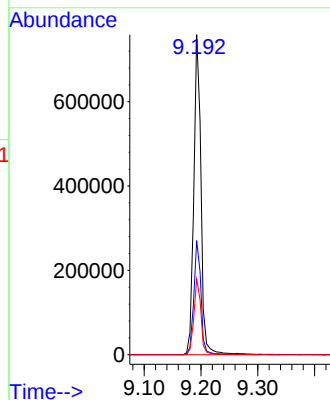
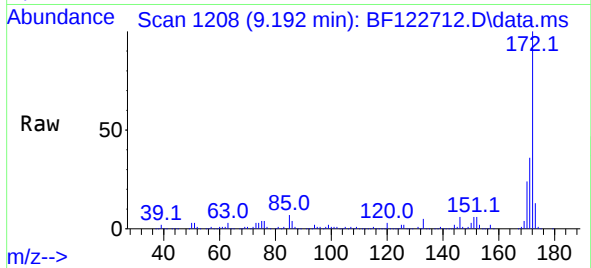




#45
2-Fluorobiphenyl
Concen: 27.96 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

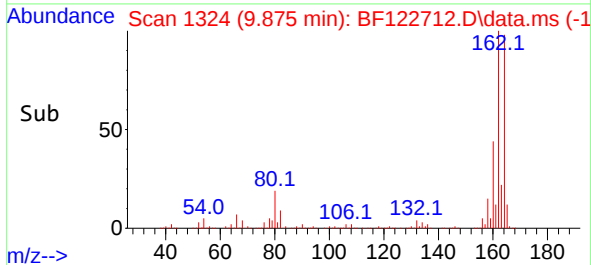
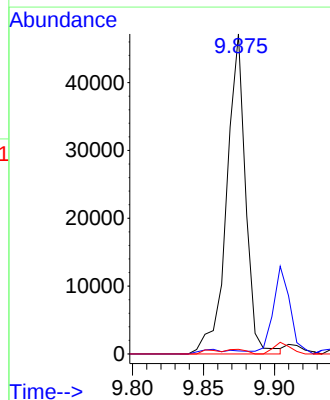
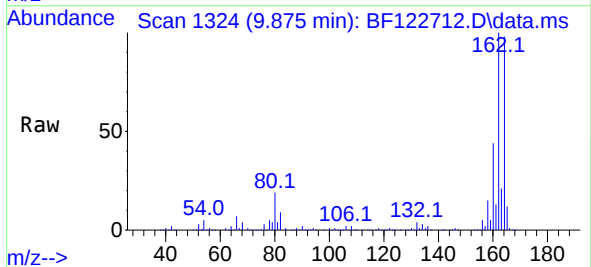
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

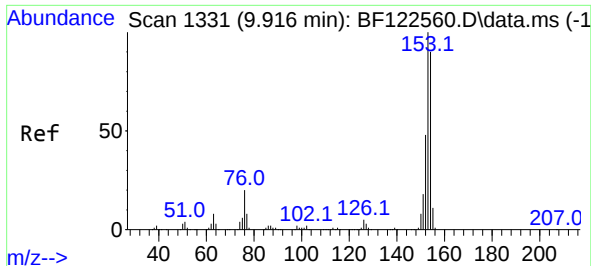
Tgt Ion:172 Resp: 669408
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.6 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:165 Resp: 43689
Ion Ratio Lower Upper
165 100
63 1.0 36.6 55.0#
89 1.5 39.4 59.0#

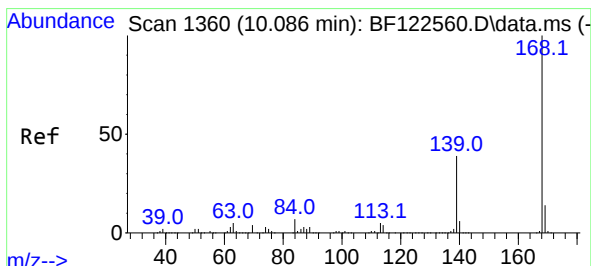
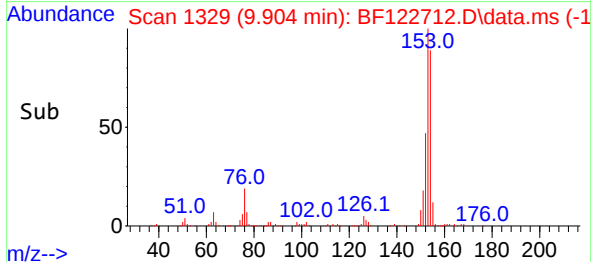
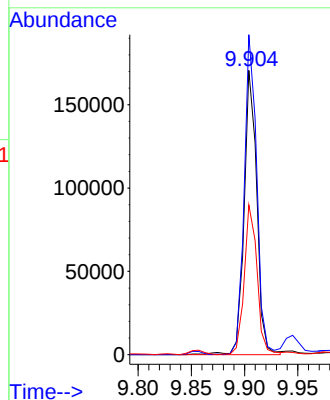
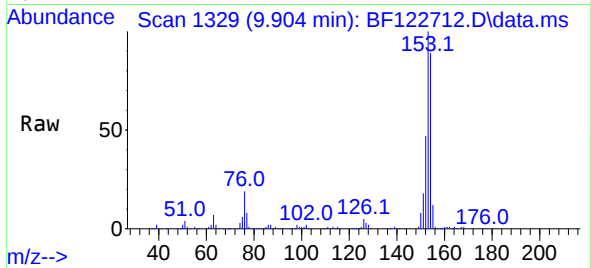




#52
Acenaphthene
Concen: 6.66 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

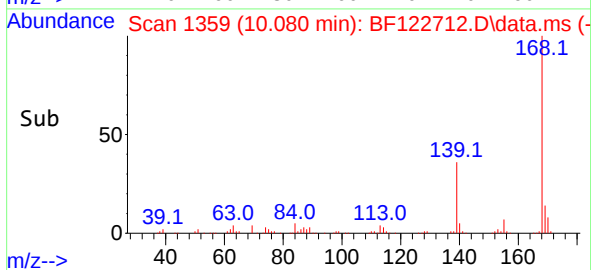
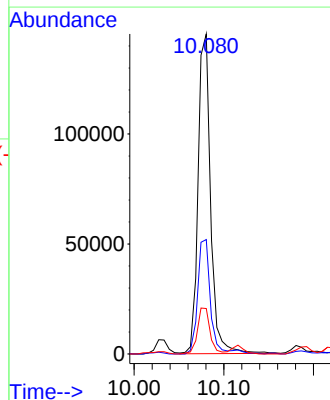
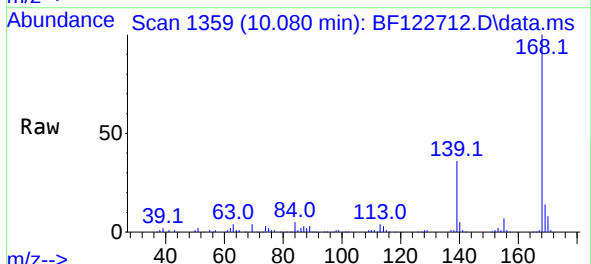
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

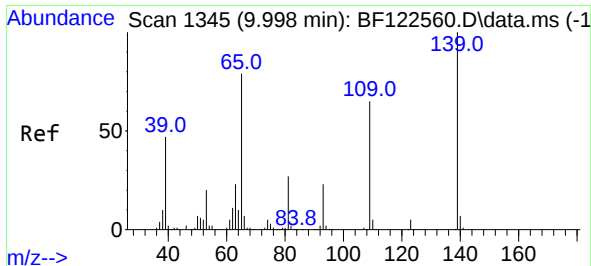
Tgt Ion:154 Resp: 141633
Ion Ratio Lower Upper
154 100
153 112.6 89.0 133.6
152 52.7 42.7 64.1



#55
Dibenzofuran
Concen: 4.70 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:168 Resp: 140792
Ion Ratio Lower Upper
168 100
139 35.7 31.3 46.9
169 14.2 11.2 16.8

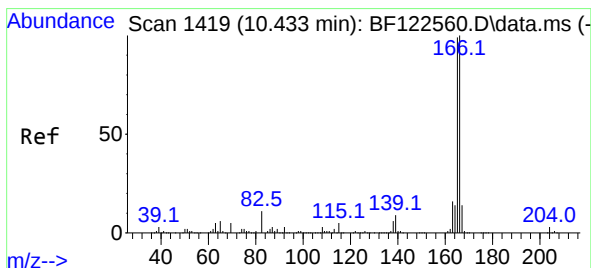
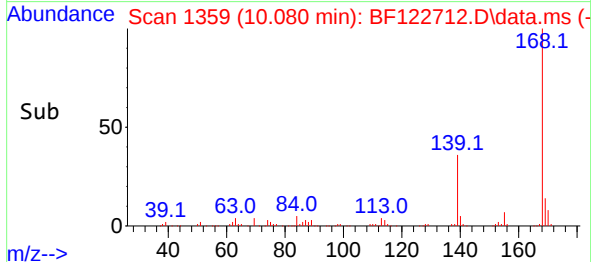
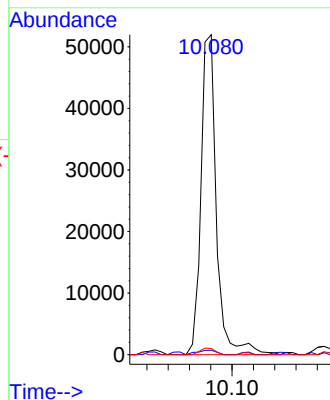
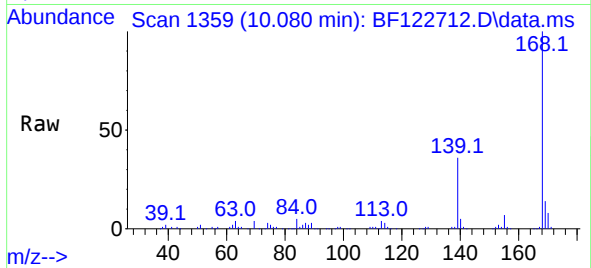




#56
4-Nitrophenol
Concen: 11.63 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.082 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

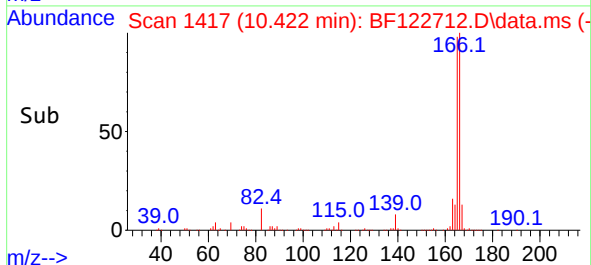
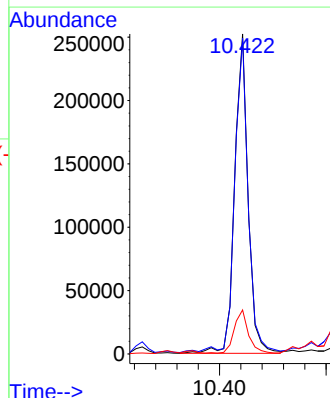
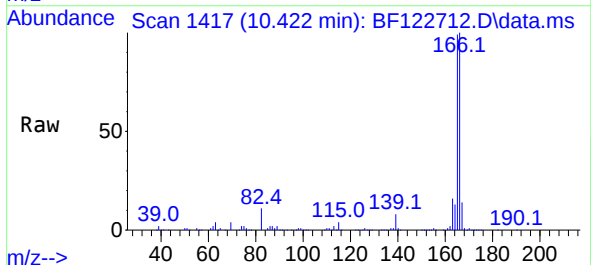
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

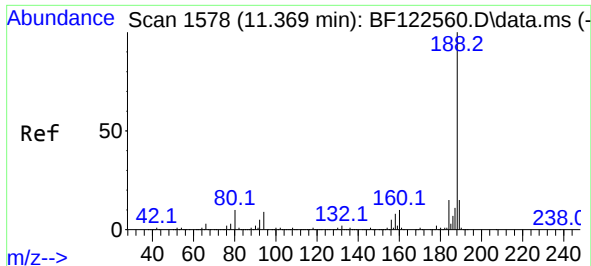
Tgt Ion:139 Resp: 52349
Ion Ratio Lower Upper
139 100
109 1.4 45.1 85.1#
65 1.9 59.2 99.2#



#58
Fluorene
Concen: 9.19 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:166 Resp: 218816
Ion Ratio Lower Upper
166 100
165 98.6 79.4 119.0
167 13.8 10.9 16.3

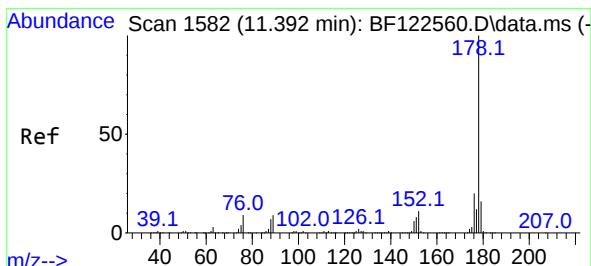
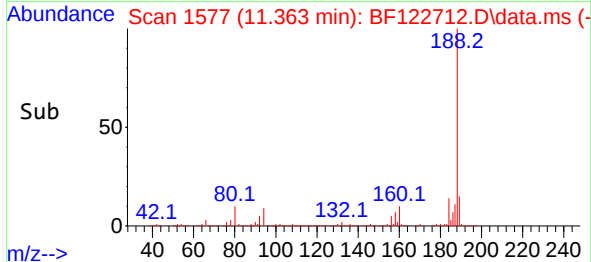
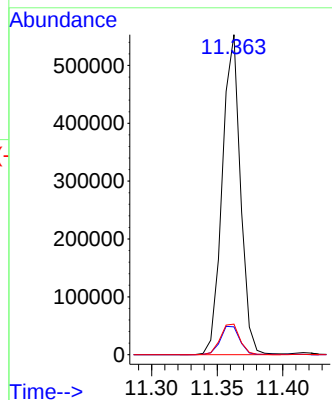
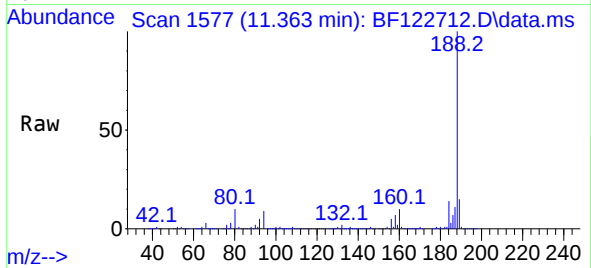




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

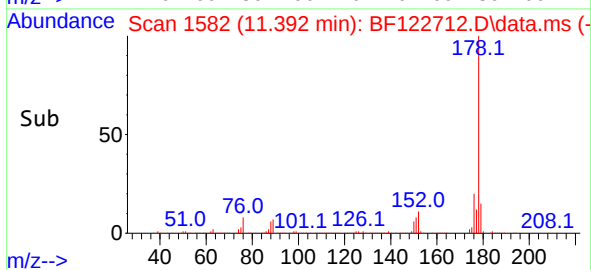
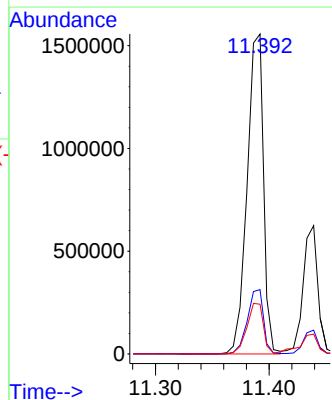
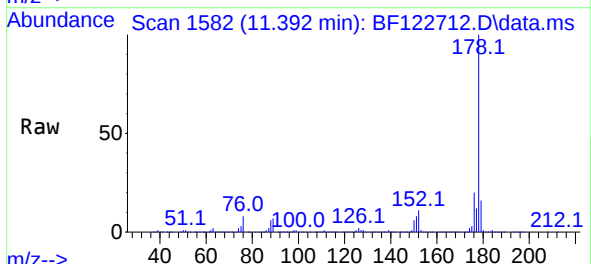
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

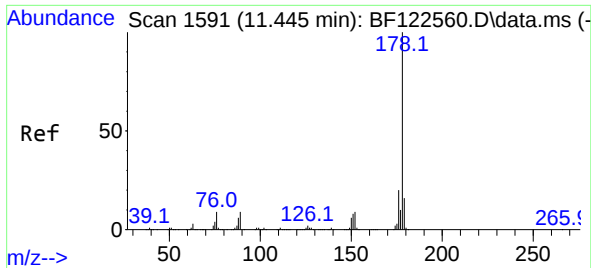
Tgt Ion:188 Resp: 532378
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.5 8.2 12.4



#71
Phenanthrene
Concen: 49.42 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:178 Resp: 1563726
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 15.5 12.7 19.1



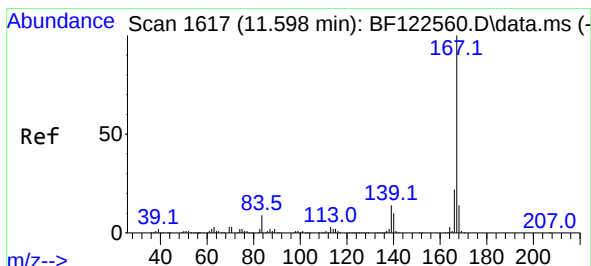
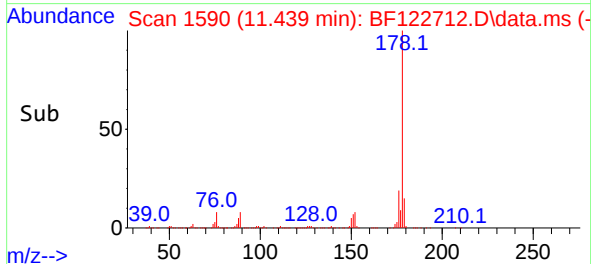
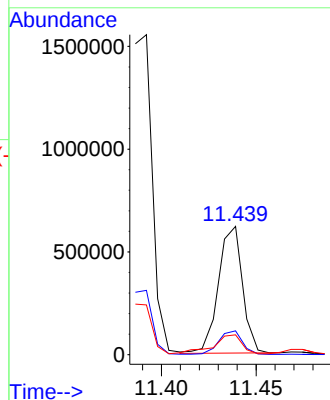
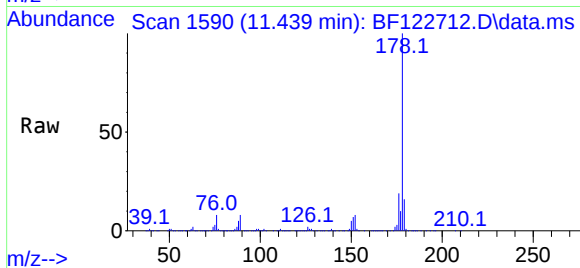


#72
 Anthracene
 Concen: 17.43 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122712.D
 Acq: 14 Dec 2020 18:27

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-121120

Tgt Ion:178 Resp: 546911

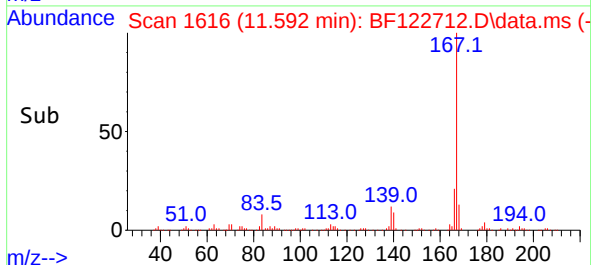
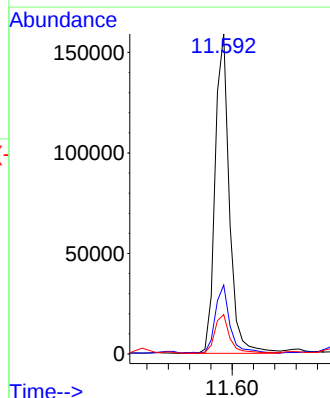
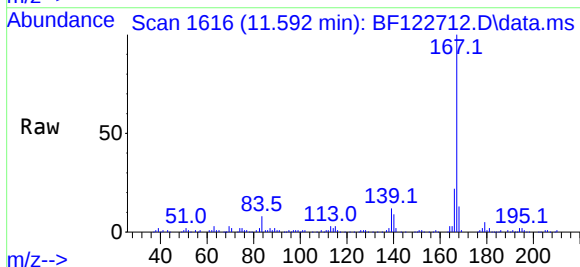
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.5	12.8	19.2

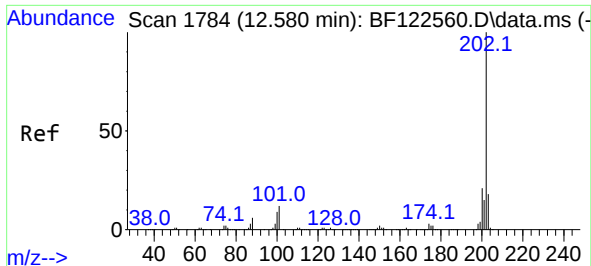


#73
 Carbazole
 Concen: 5.19 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF122712.D
 Acq: 14 Dec 2020 18:27

Tgt Ion:167 Resp: 147627

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.0	27.0
139	12.3	10.9	16.3

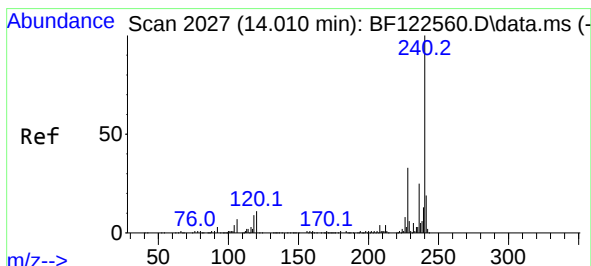
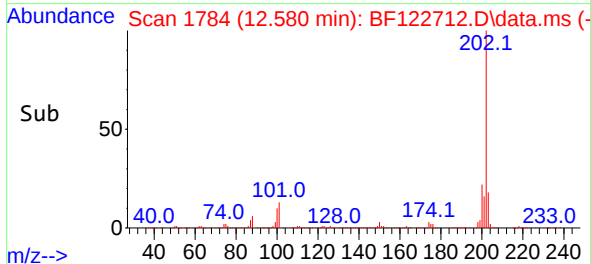
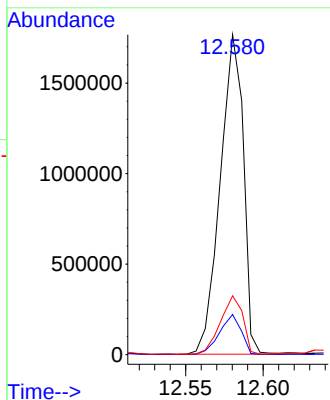
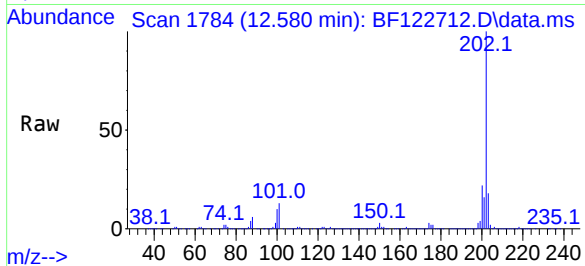




#75
Fluoranthene
Concen: 55.32 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

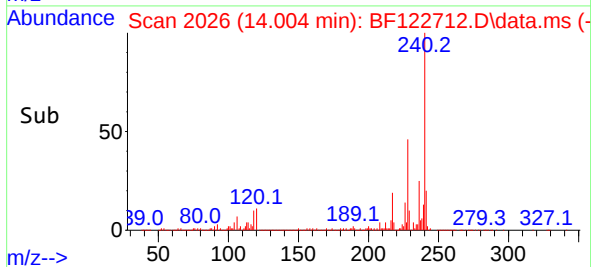
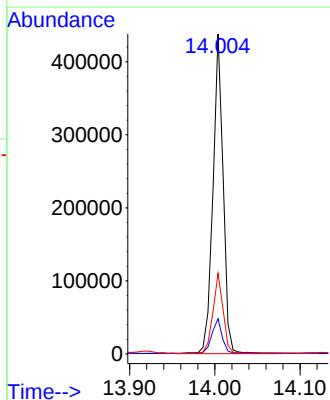
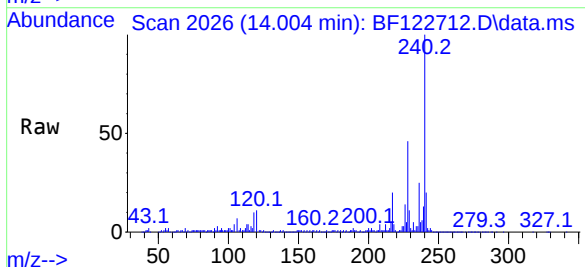
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

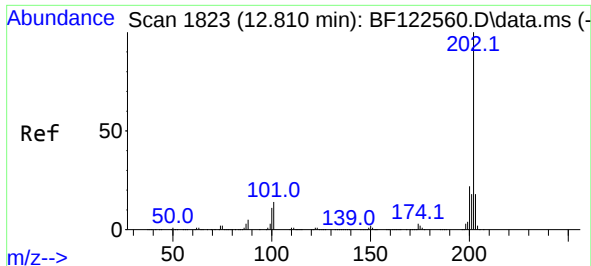
Tgt Ion:202 Resp: 1835541
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.2
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:240 Resp: 365465
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 25.2 20.3 30.5



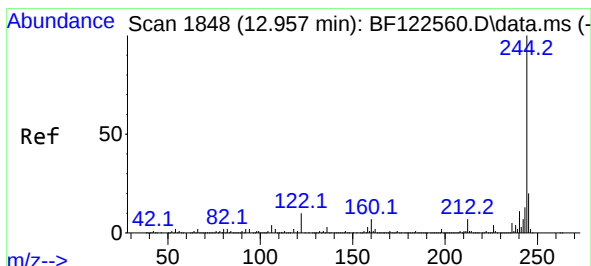
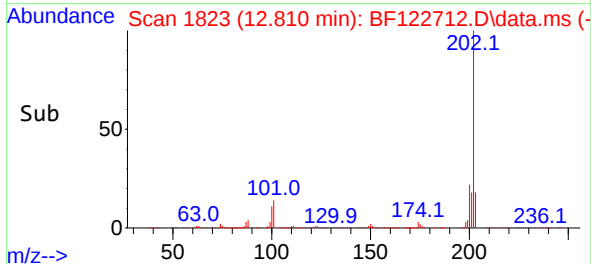
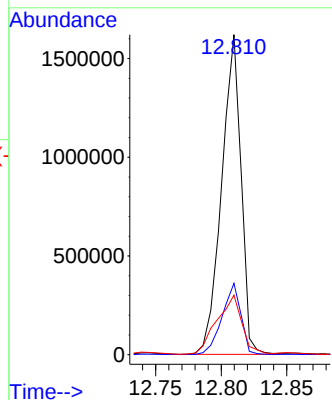
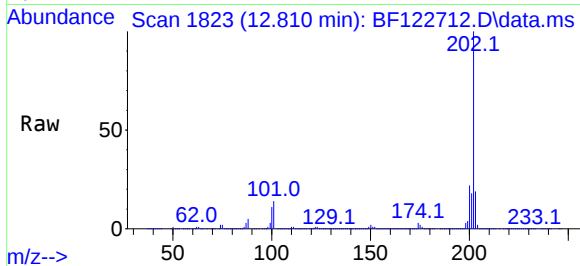


#78
Pyrene
Concen: 58.98 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion:202 Resp: 1666439

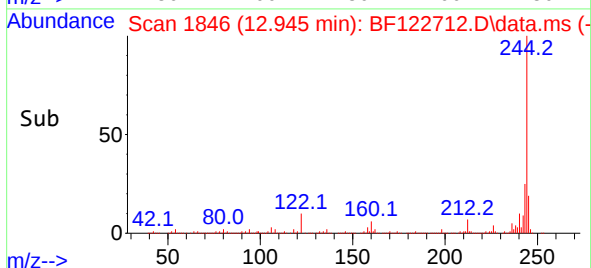
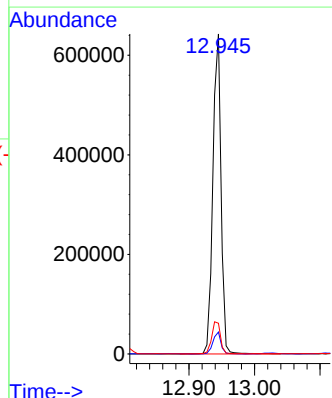
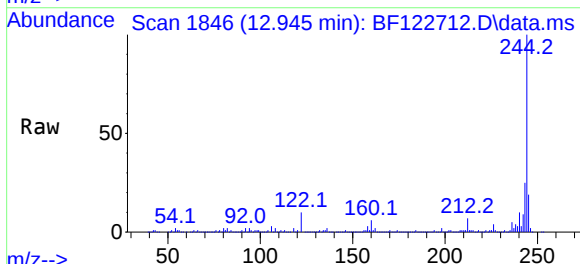
Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	18.6	14.6	21.8

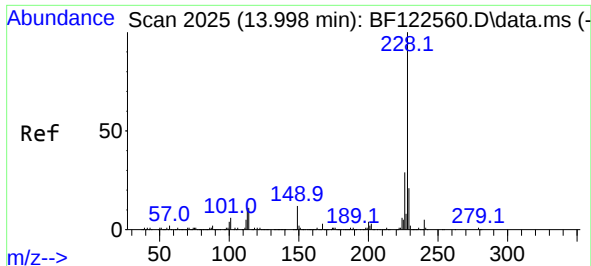


#79
Terphenyl-d14
Concen: 26.73 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:244 Resp: 558154

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	9.6	8.3	12.5



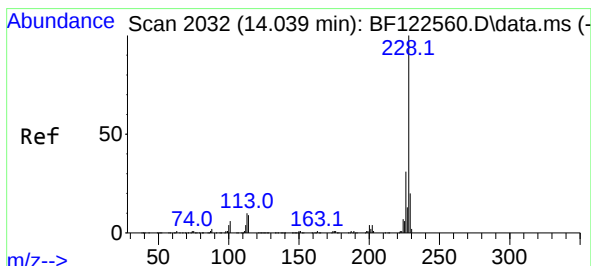
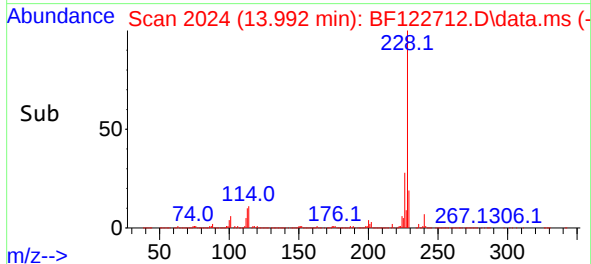
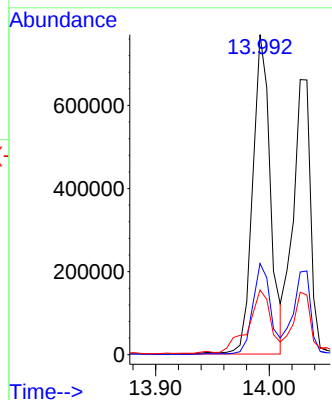
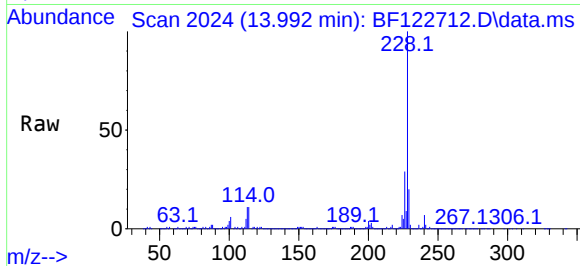


#81
Benzo(a)anthracene
Concen: 34.10 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion:228 Resp: 832784

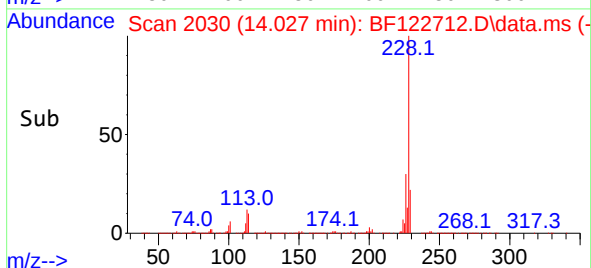
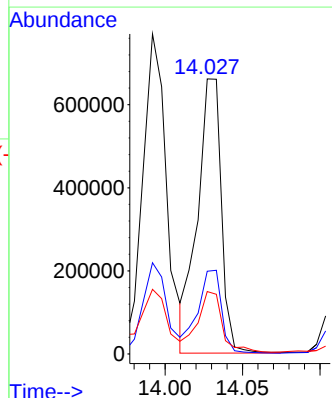
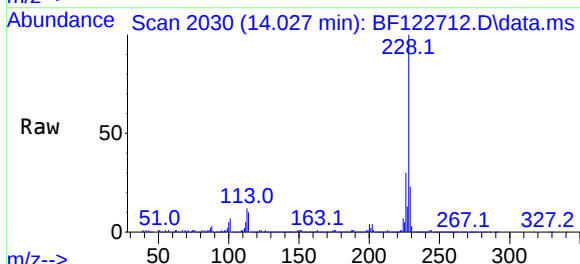
Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.0	34.4
229	20.2	16.6	24.8

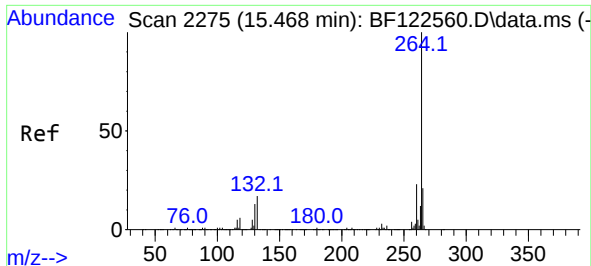


#83
Chrysene
Concen: 29.17 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:228 Resp: 708946

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	36.8
229	22.7	15.8	23.6



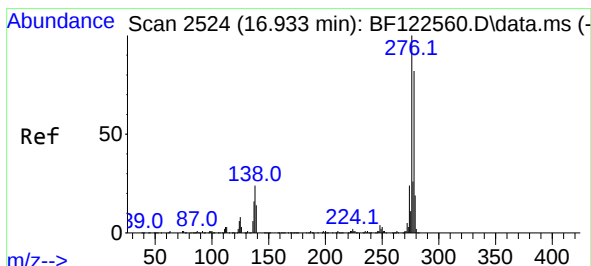
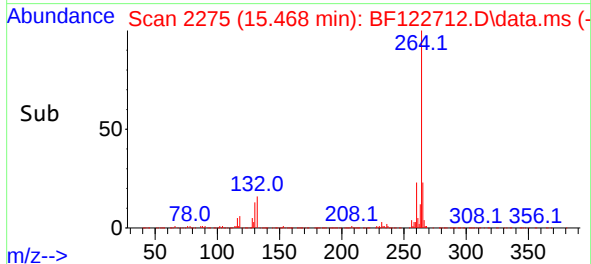
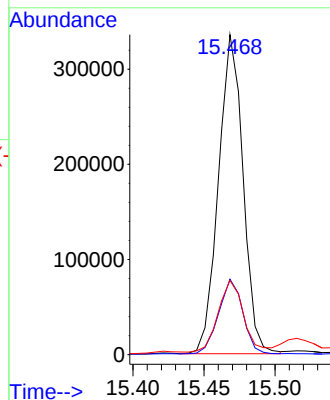
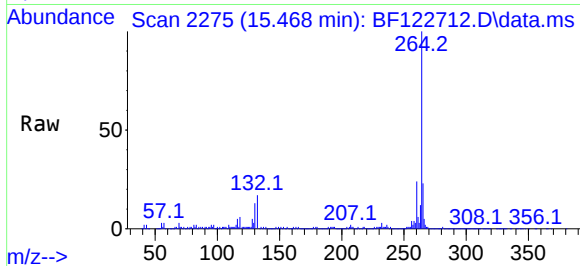


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion:264 Resp: 403753

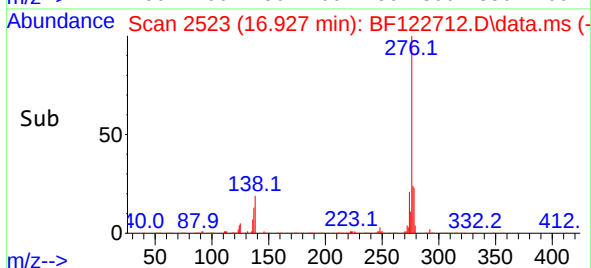
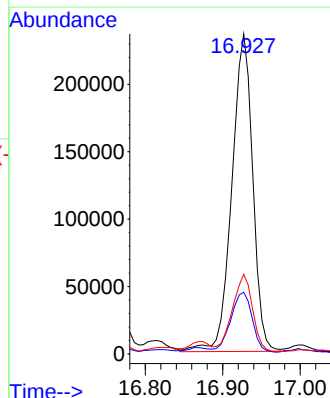
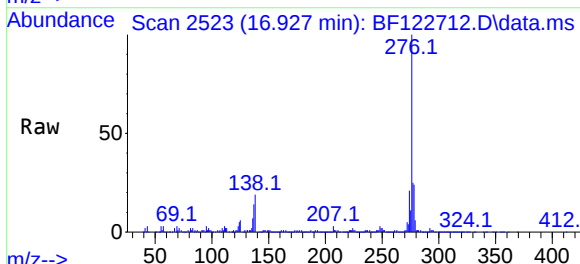
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	23.2	17.0	25.6

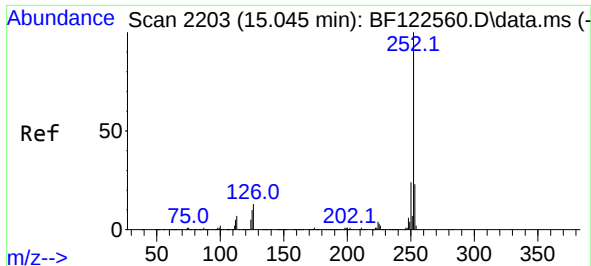


#87
Indeno(1,2,3-cd)pyrene
Concen: 16.69 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.006 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:276 Resp: 442396

Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.7	28.1
277	23.4	20.2	30.4



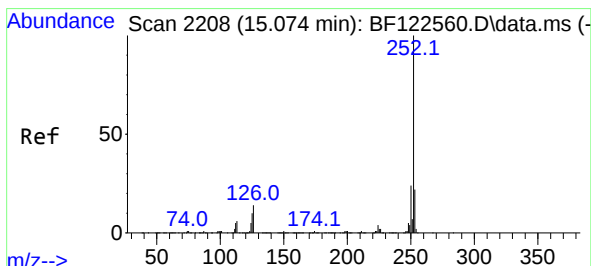
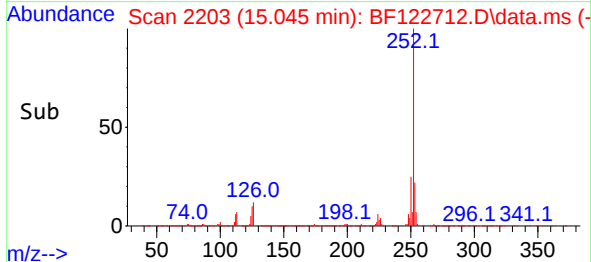
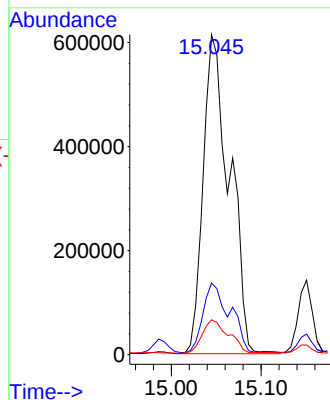
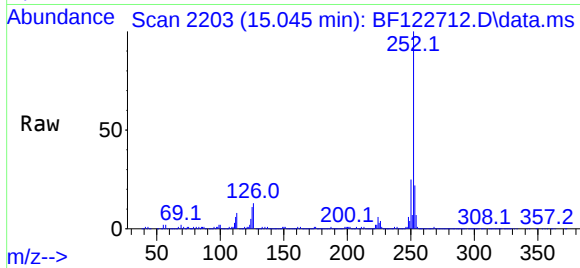


#88
Benzo(b)fluoranthene
Concen: 44.19 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120

Tgt Ion:252 Resp: 1251725

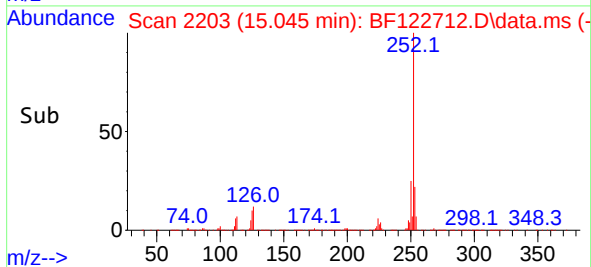
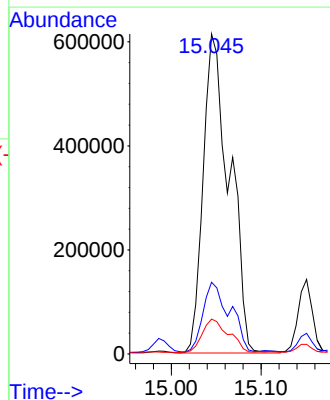
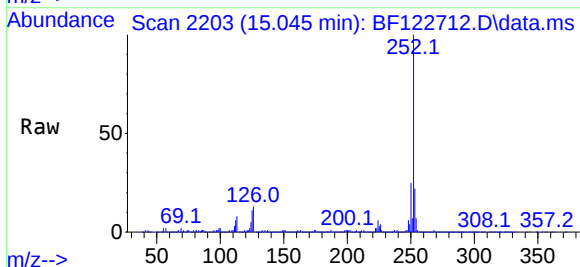
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5
125	10.9	8.1	12.1

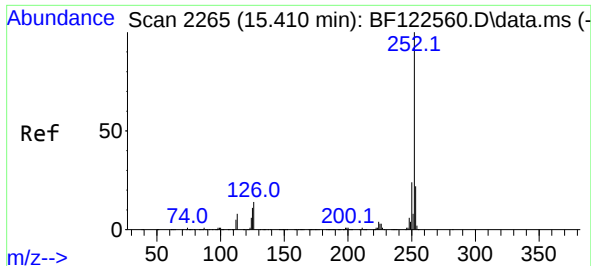


#89
Benzo(k)fluoranthene
Concen: 48.33 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.030 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Tgt Ion:252 Resp: 1251725

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	10.9	8.4	12.6

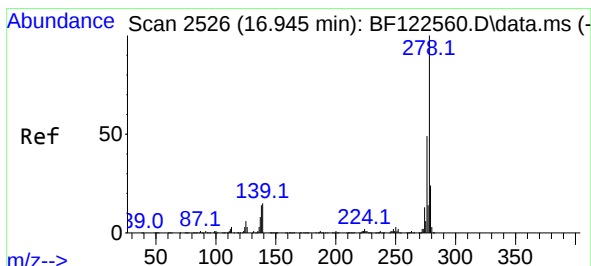
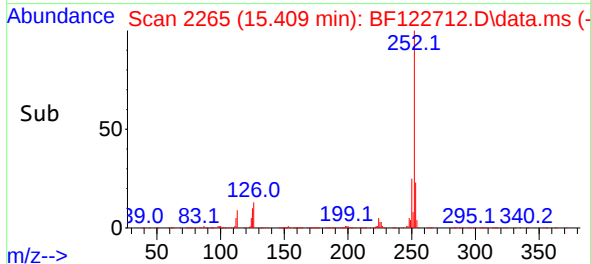
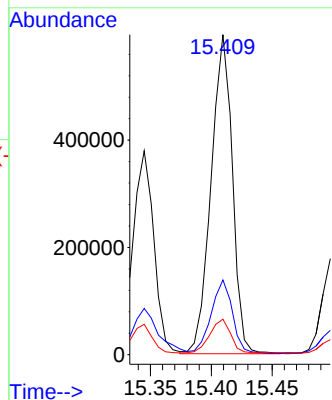
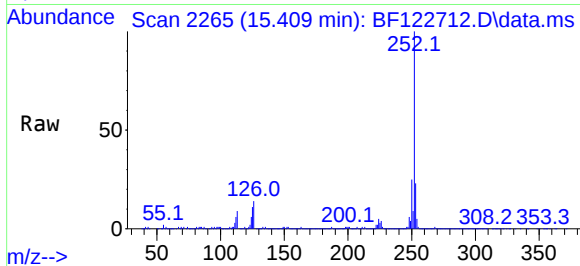




#90
Benzo(a)pyrene
Concen: 29.21 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

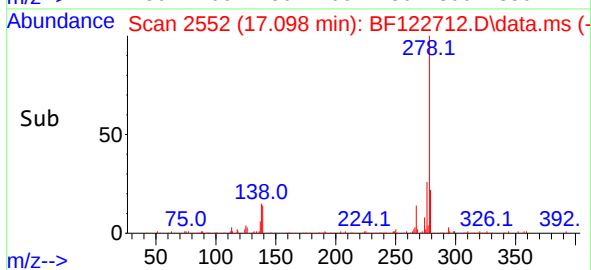
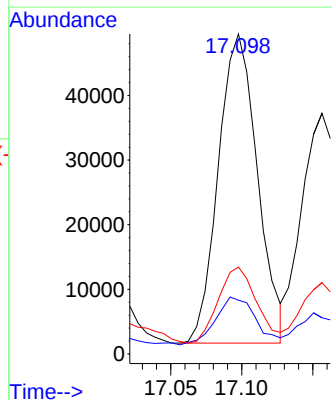
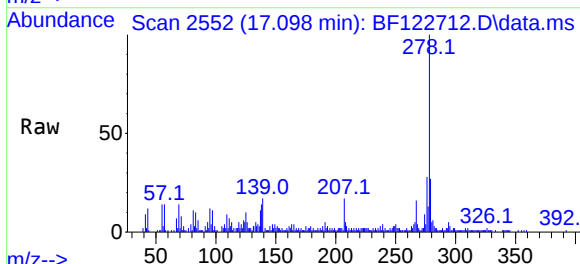
Instrument :
BNA_F
ClientSampleId :
OR-02-121120

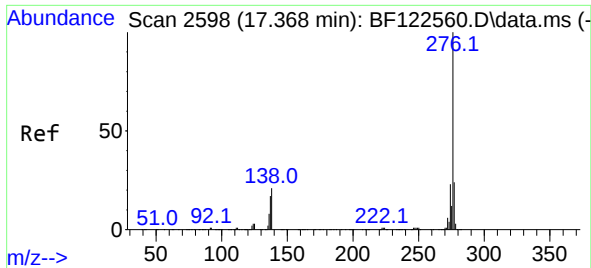
Tgt	Ion:252	Resp:	723975
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.1	8.6	12.8



#91
Dibenzo(a,h)anthracene
Concen: 4.23 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.153 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

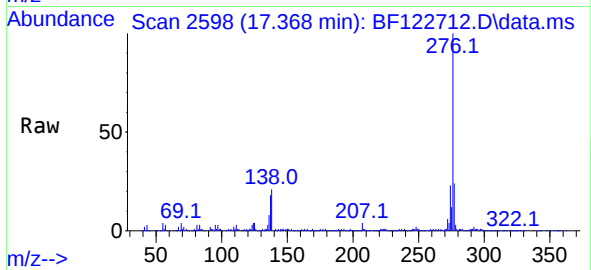
Tgt	Ion:278	Resp:	91665
Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.0	18.0
279	27.1	19.4	29.2





#92
Benzo(g,h,i)perylene
Concen: 19.32 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.000 min
Lab File: BF122712.D
Acq: 14 Dec 2020 18:27

Instrument :
BNA_F
ClientSampleId :
OR-02-121120



Tgt Ion:276 Resp: 405653
Ion Ratio Lower Upper
276 100
277 23.9 19.3 28.9
138 20.7 16.6 24.8

