

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135534.D
 Acq On : 02 Oct 2023 18:46
 Operator : CG\JU
 Sample : 04642-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-09272023

Quant Time: Oct 02 20:03:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

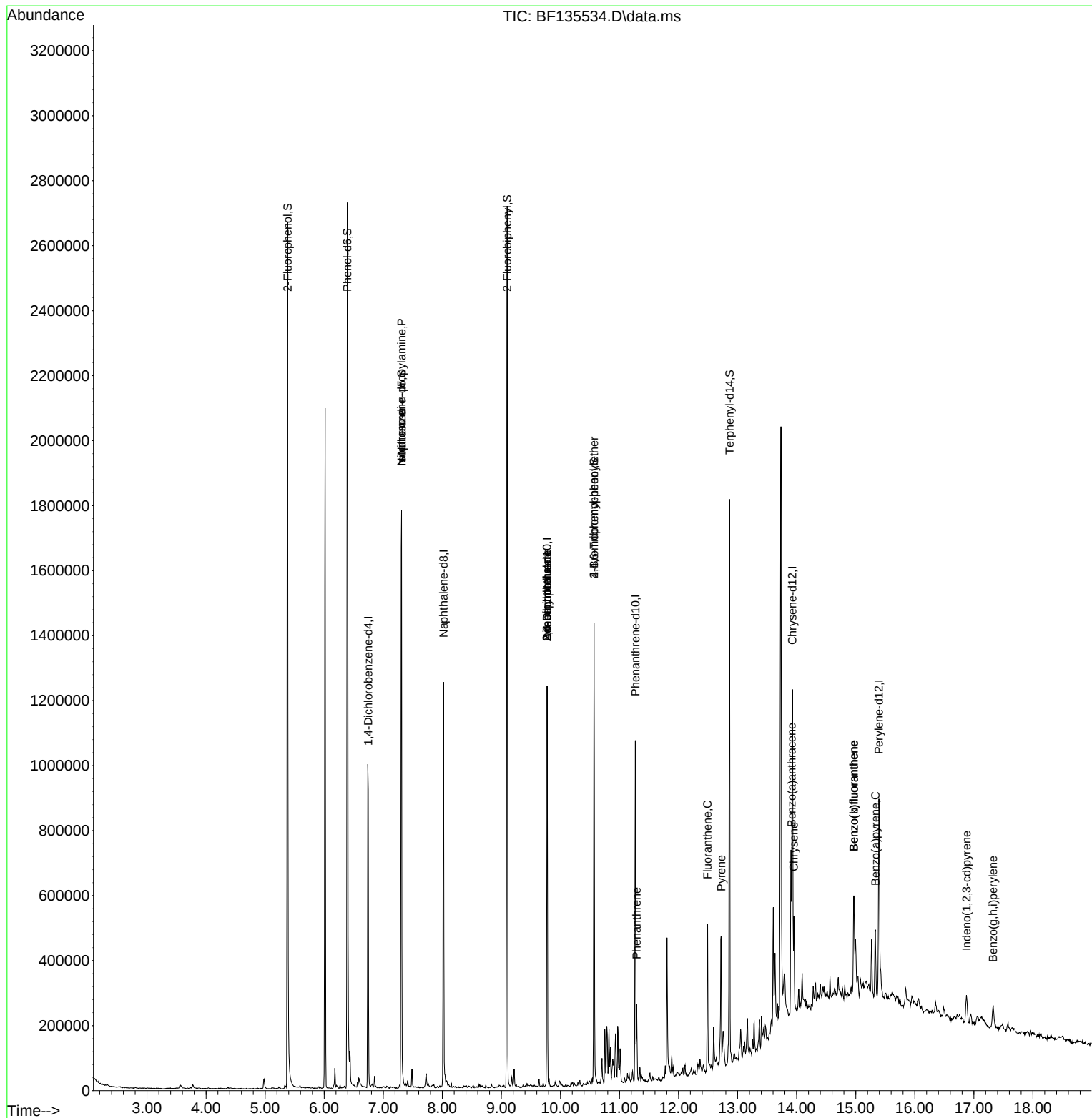
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	150794	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	541705	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	230898	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	364304	20.000	ng	0.00
76) Chrysene-d12	13.927	240	285487	20.000	ng	0.00
86) Perylene-d12	15.392	264	296005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	752214	81.133	ng	0.00
7) Phenol-d6	6.392	99	938908	79.642	ng	-0.01
23) Nitrobenzene-d5	7.310	82	571853	57.353	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	147466	64.267	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	816186	53.331	ng	-0.01
79) Terphenyl-d14	12.863	244	555110	30.142	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	75557	10.347	ng	# 78
25) Isophorone	7.310	82	571844	31.233	ng	# 65
50) Dimethylphthalate	9.774	163	44412	2.845	ng	# 1
51) 2,6-Dinitrotoluene	9.774	165	29745	8.698	ng	# 17
57) 2,4-Dinitrotoluene	9.774	165	29745	6.948	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	9412	2.598	ng	# 1
71) Phenanthrene	11.292	178	79547	4.617	ng	97
75) Fluoranthene	12.492	202	190670	10.620	ng	99
78) Pyrene	12.721	202	174961	6.437	ng	99
81) Benzo(a)anthracene	13.915	228	108343	5.877	ng	98
83) Chrysene	13.951	228	120186	6.557	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	55287	2.849	ng	96
88) Benzo(b)fluoranthene	14.968	252	220825	13.781	ng	# 97
89) Benzo(k)fluoranthene	14.968	252	220825	13.951	ng	# 97
90) Benzo(a)pyrene	15.333	252	99135	6.488	ng	97
92) Benzo(g,h,i)perylene	17.327	276	51908	3.130	ng	# 93

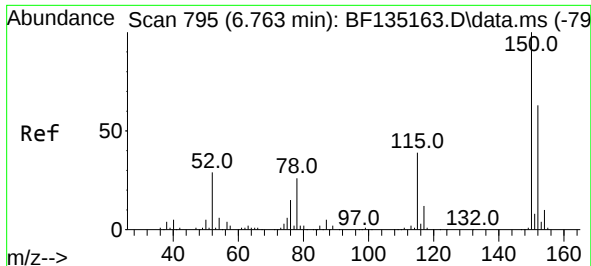
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
Data File : BF135534.D
Acq On : 02 Oct 2023 18:46
Operator : CG\JU
Sample : 04642-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

Quant Time: Oct 02 20:03:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 30 00:12:20 2023
Response via : Initial Calibration

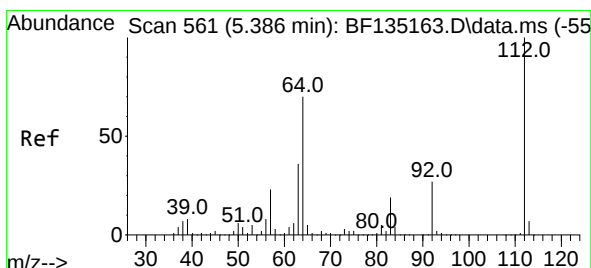
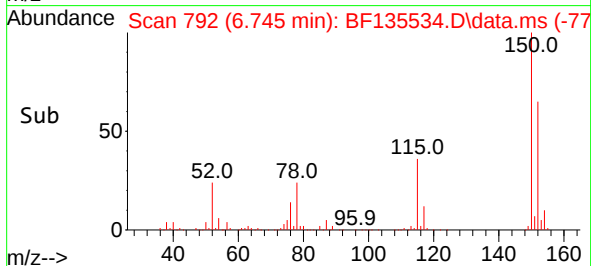
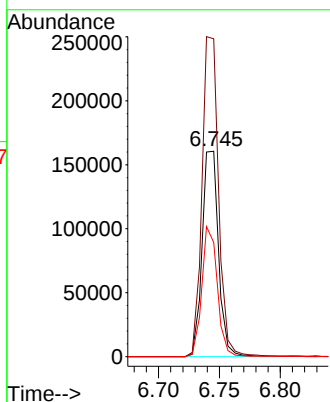
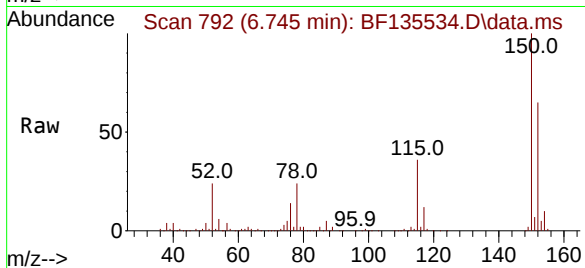




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135534.D
 Acq: 02 Oct 2023 18:46

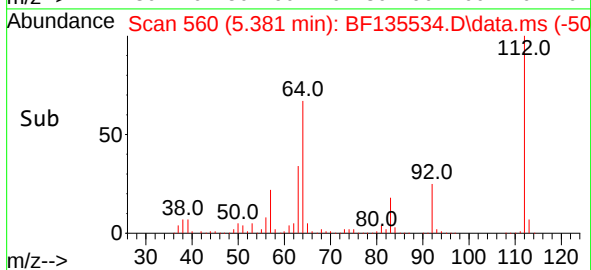
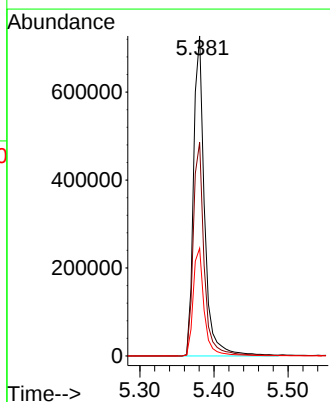
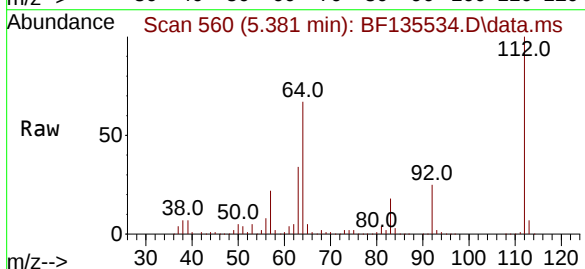
Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-09272023

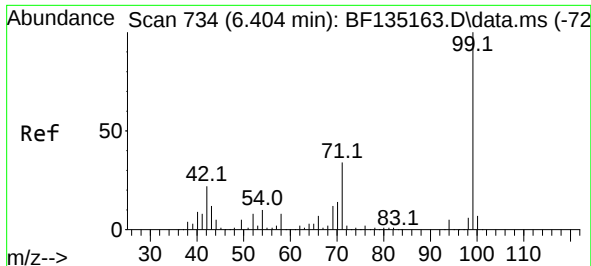
Tgt Ion:152 Resp: 150794
 Ion Ratio Lower Upper
 152 100
 150 154.8 127.8 191.6
 115 55.6 49.8 74.8



#5
 2-Fluorophenol
 Concen: 81.133 ng
 RT: 5.381 min Scan# 560
 Delta R.T. -0.000 min
 Lab File: BF135534.D
 Acq: 02 Oct 2023 18:46

Tgt Ion:112 Resp: 752214
 Ion Ratio Lower Upper
 112 100
 64 66.7 55.9 83.9
 63 33.6 29.0 43.6

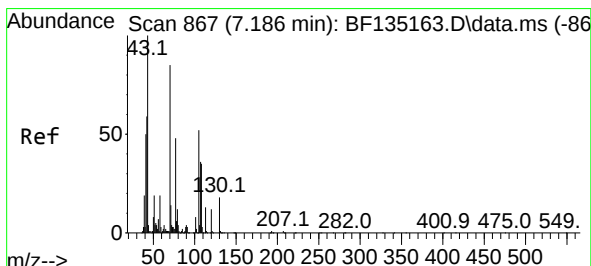
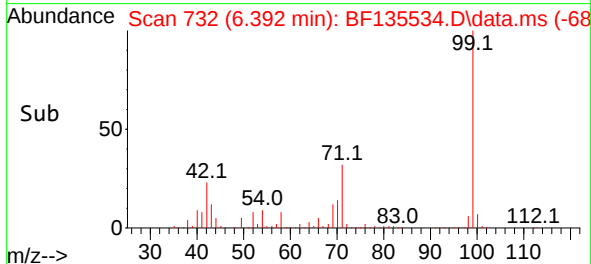
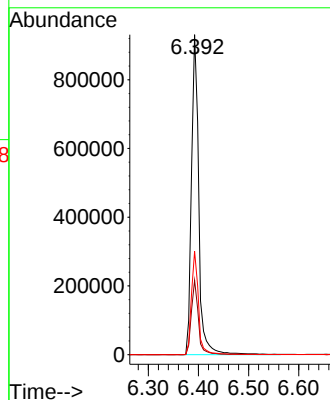
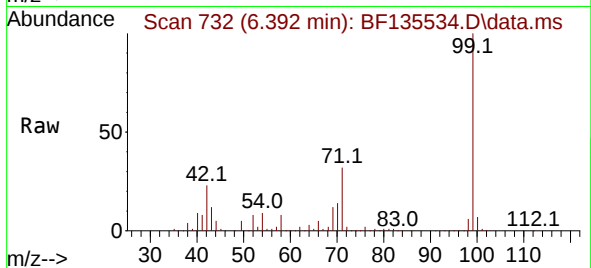




#7
Phenol-d6
Concen: 79.642 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

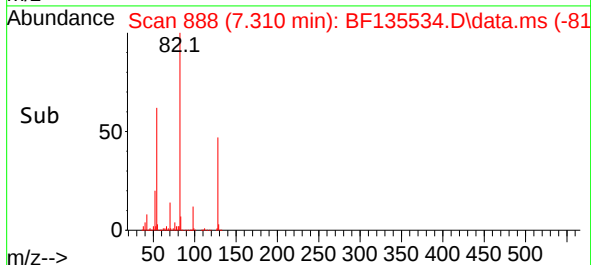
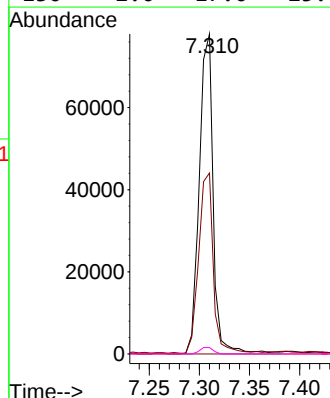
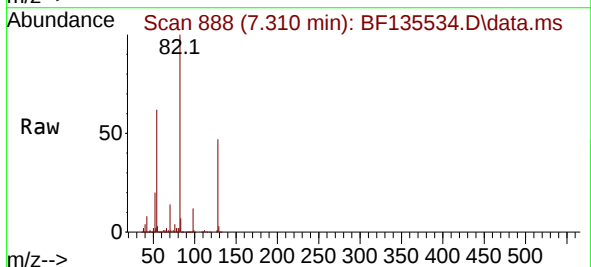
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

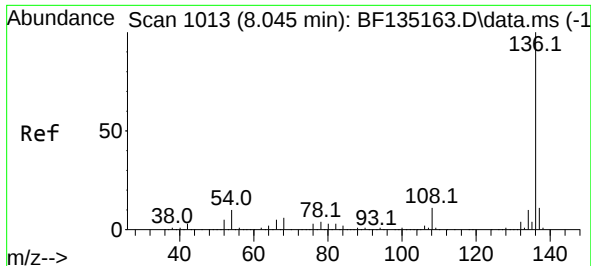
Tgt Ion: 99 Resp: 938908
Ion Ratio Lower Upper
99 100
42 23.2 17.9 26.9
71 32.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.347 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

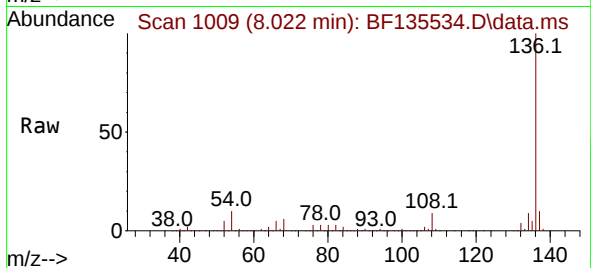
Tgt Ion: 70 Resp: 75557
Ion Ratio Lower Upper
70 100
42 56.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#



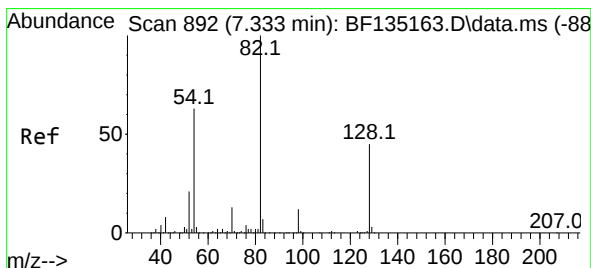
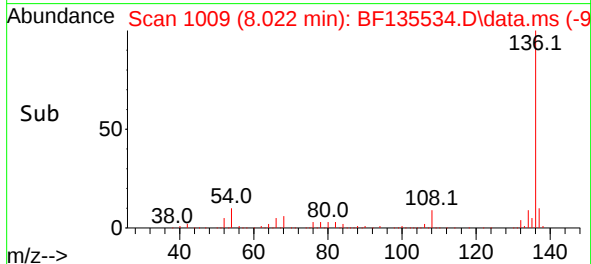
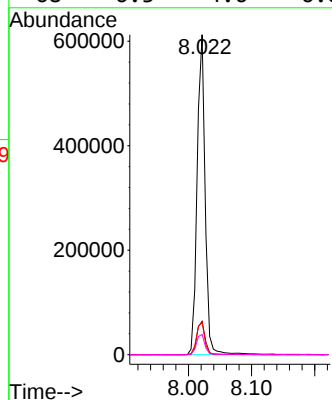


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

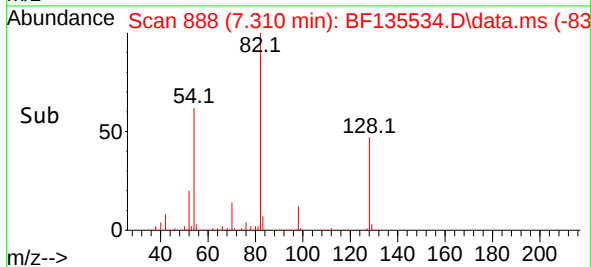
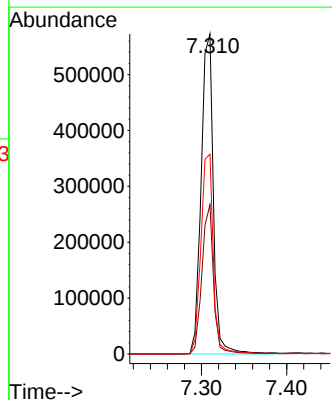
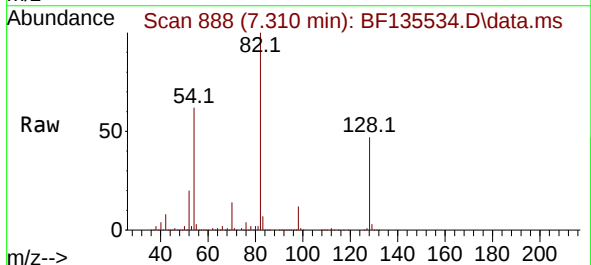


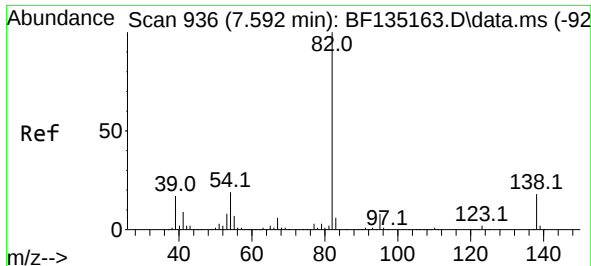
Tgt Ion:136 Resp: 541705
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 10.0 7.7 11.5
68 6.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 57.353 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion: 82 Resp: 571853
Ion Ratio Lower Upper
82 100
128 46.6 35.8 53.6
54 62.4 50.6 76.0

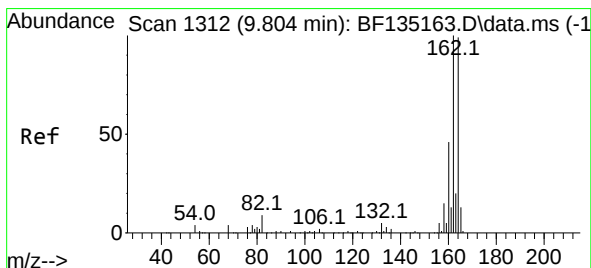
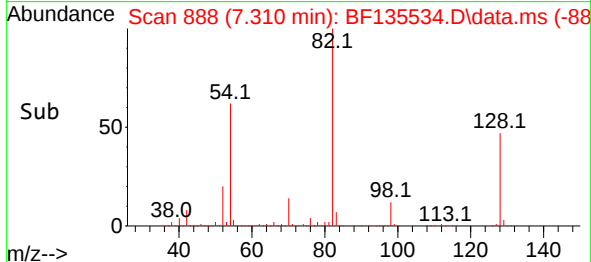
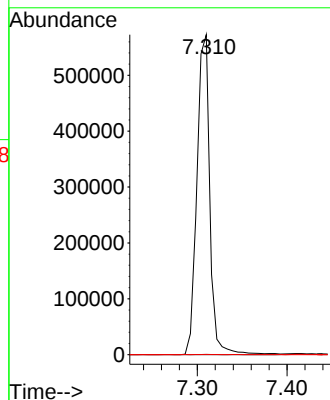
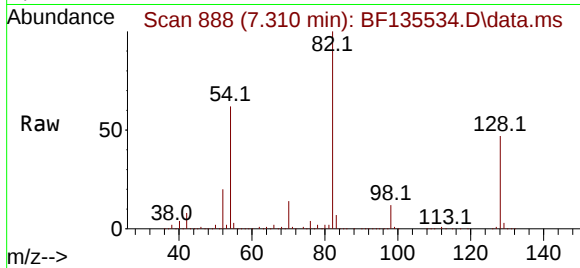




#25
Isophorone
Concen: 31.233 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

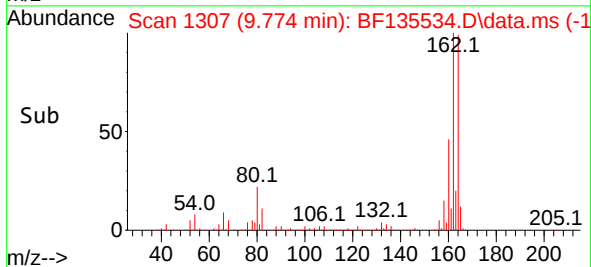
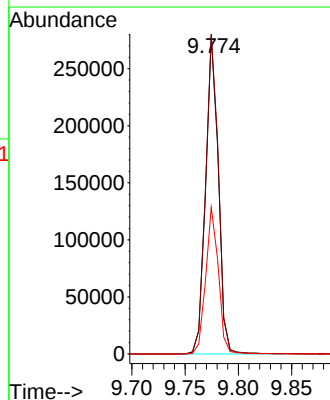
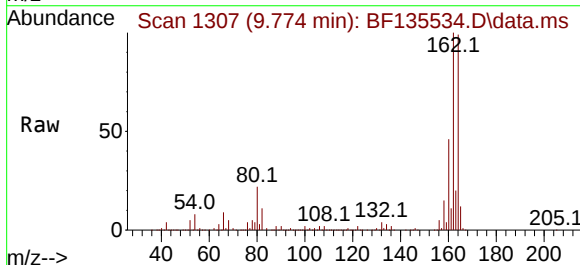
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

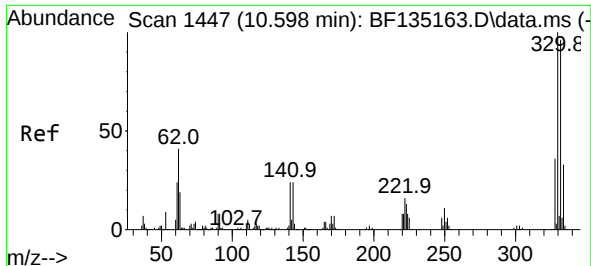
Tgt Ion: 82 Resp: 571844
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:164 Resp: 230898
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 46.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 64.267 ng

RT: 10.569 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135534.D

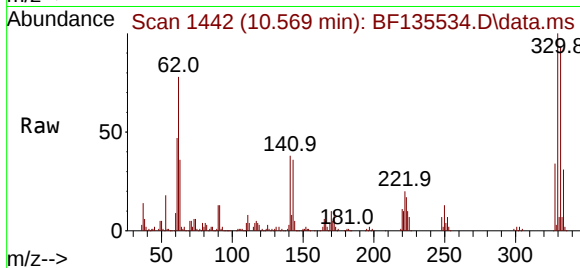
Acq: 02 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

PAT-01-09272023



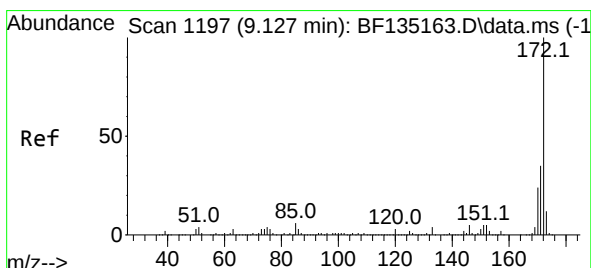
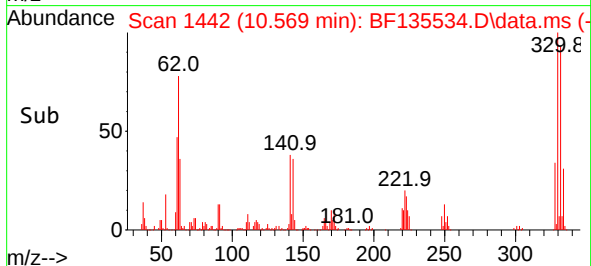
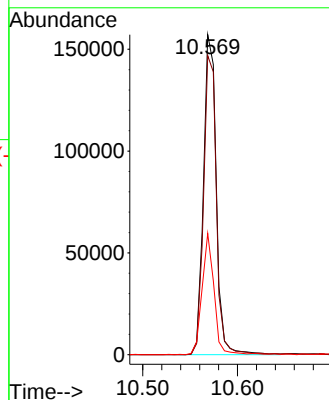
Tgt Ion:330 Resp: 147466

Ion Ratio Lower Upper

330 100

332 94.0 77.3 115.9

141 35.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 53.331 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

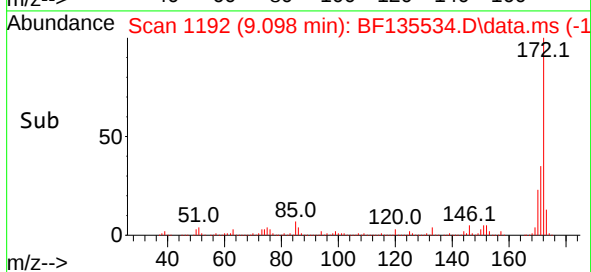
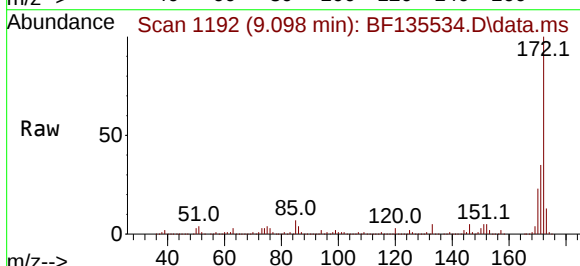
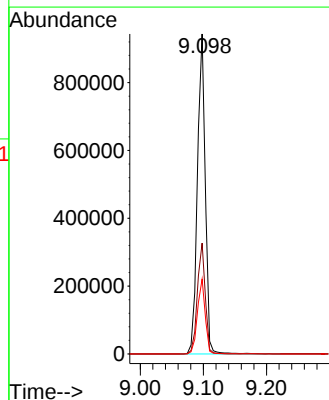
Tgt Ion:172 Resp: 816186

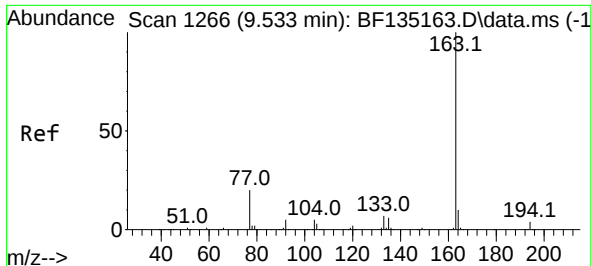
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.4 19.0 28.4

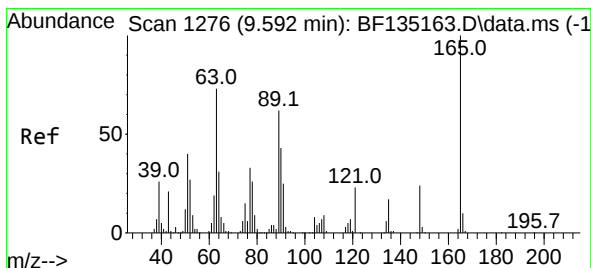
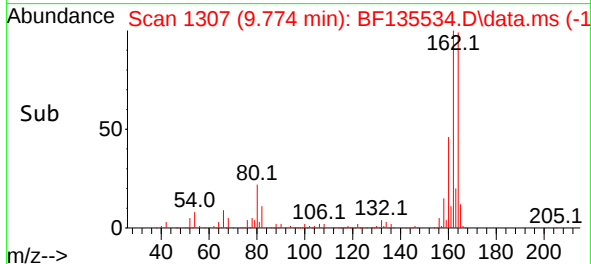
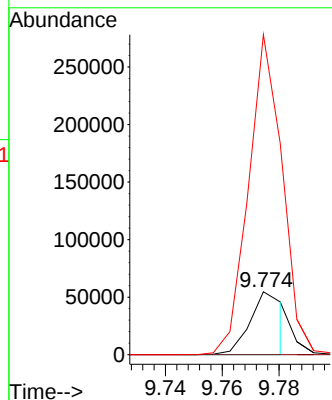
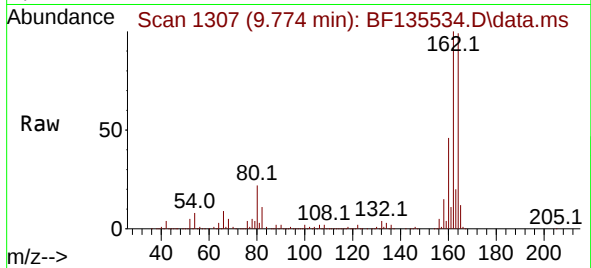




#50
Dimethylphthalate
Concen: 2.845 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.259 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

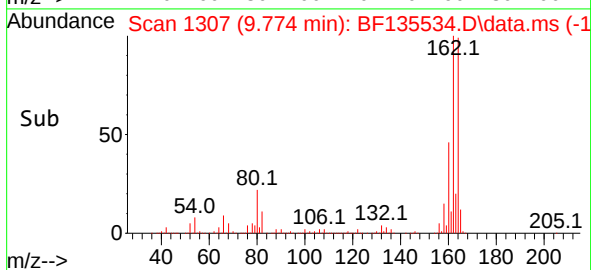
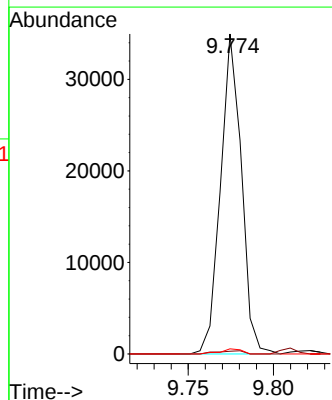
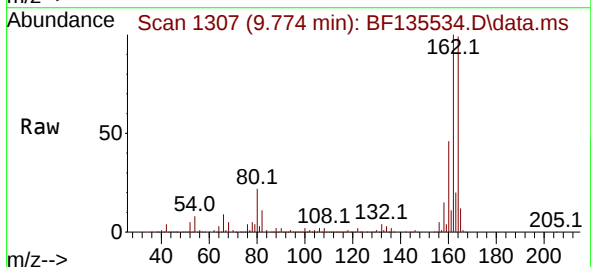
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

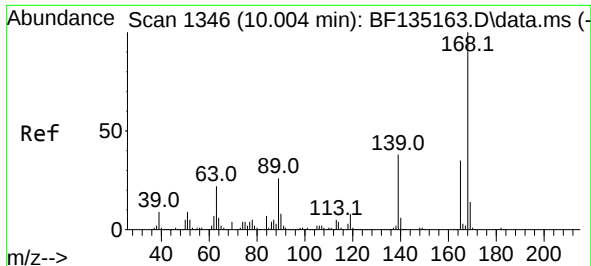
Tgt Ion:163 Resp: 44412
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 508.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.698 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.188 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

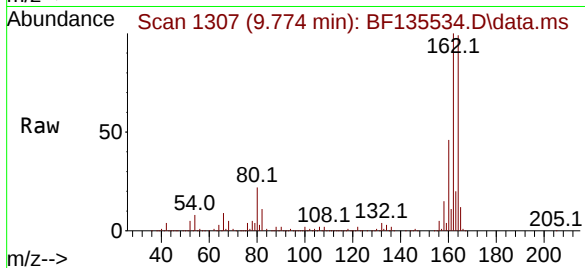
Tgt Ion:165 Resp: 29745
Ion Ratio Lower Upper
165 100
63 0.9 59.4 89.2#
89 1.6 49.8 74.8#



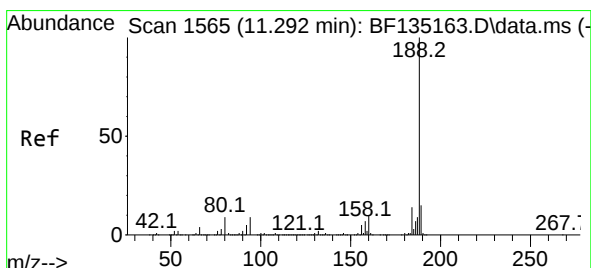
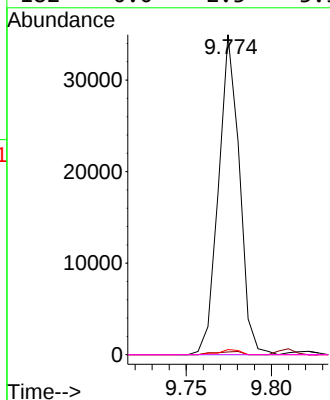
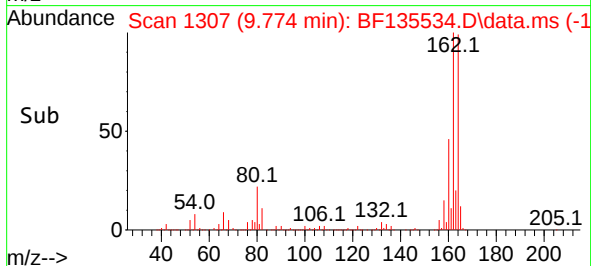


#57
2,4-Dinitrotoluene
Concen: 6.948 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

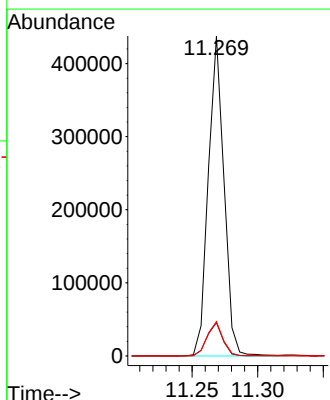
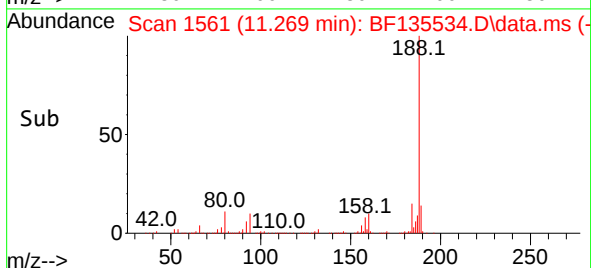
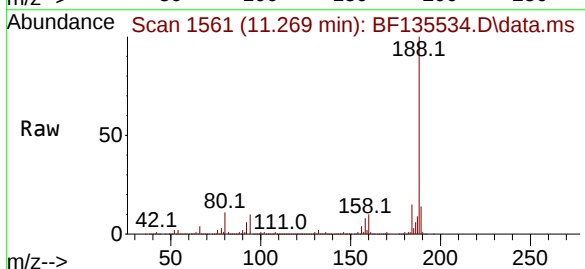


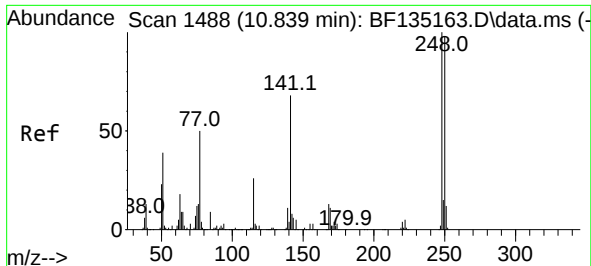
Tgt Ion:165 Resp: 29745
Ion Ratio Lower Upper
165 100
63 0.9 50.1 75.1#
89 1.6 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:188 Resp: 364304
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.6
80 10.8 7.5 11.3

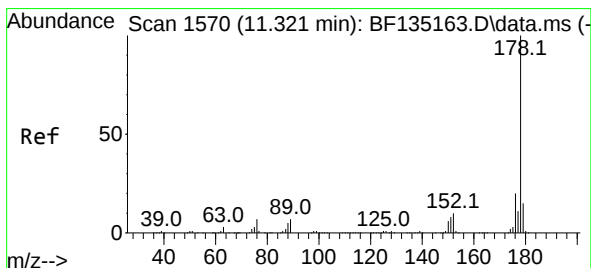
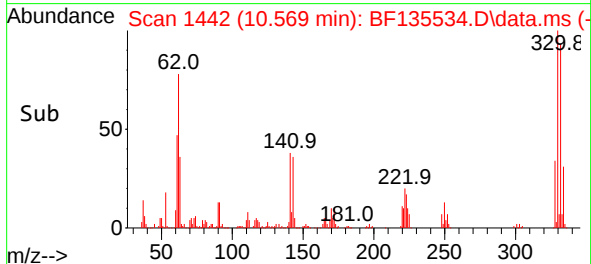
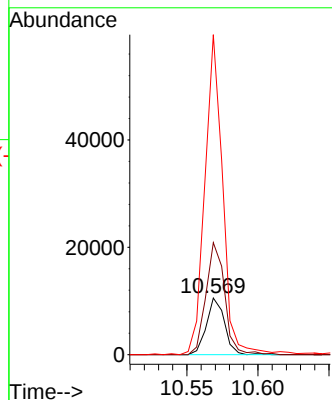
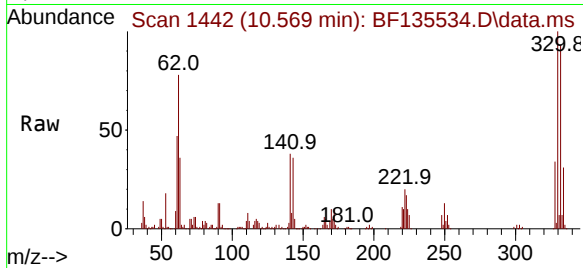




#67
4-Bromophenyl-phenylether
Concen: 2.598 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.253 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

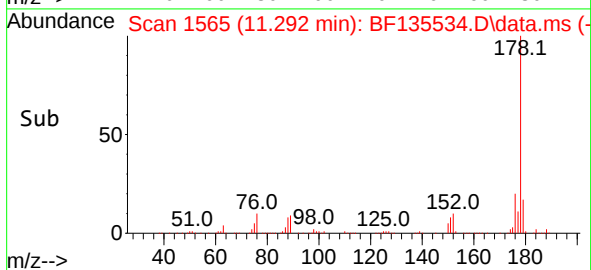
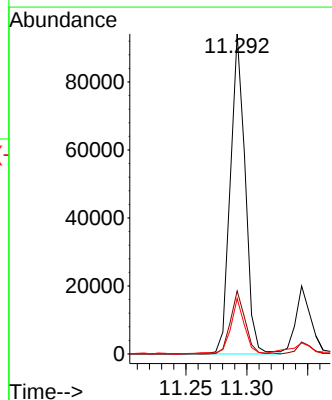
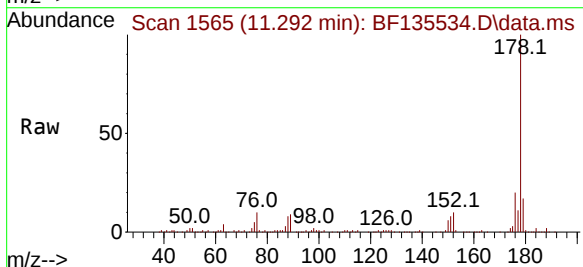
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

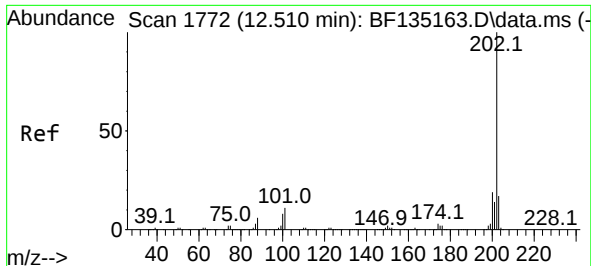
Tgt Ion:248 Resp: 9412
Ion Ratio Lower Upper
248 100
250 197.8 78.6 117.8#
141 565.1 54.2 81.2#



#71
Phenanthrene
Concen: 4.617 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:178 Resp: 79547
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 17.3 12.0 18.0

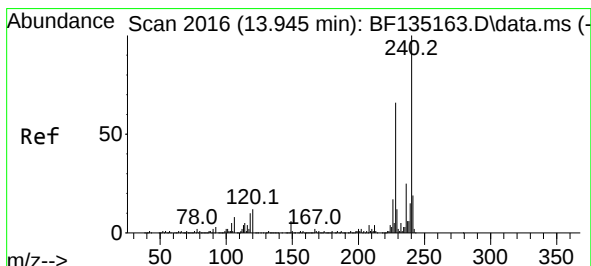
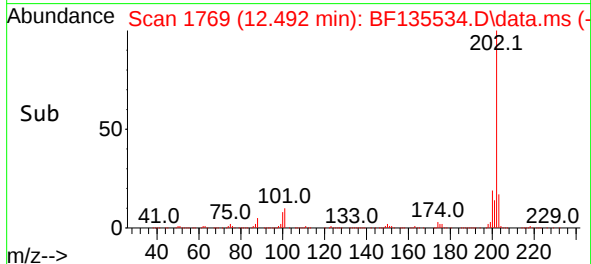
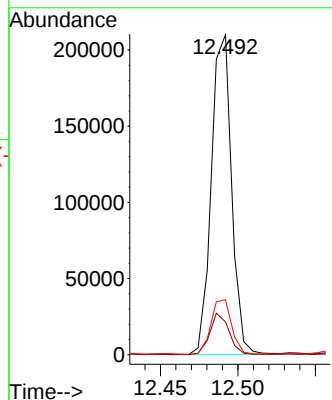
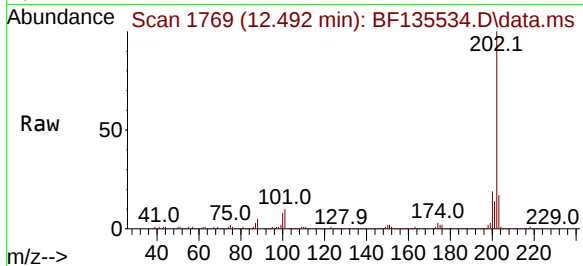




#75
Fluoranthene
Concen: 10.620 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

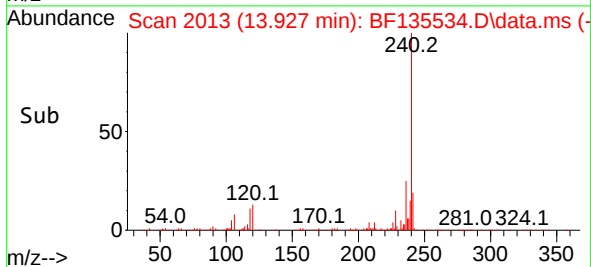
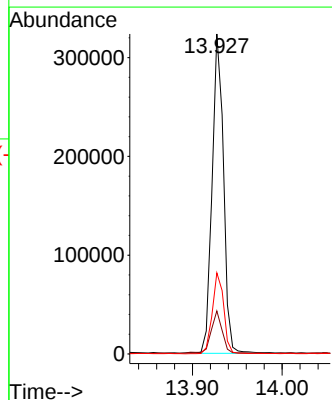
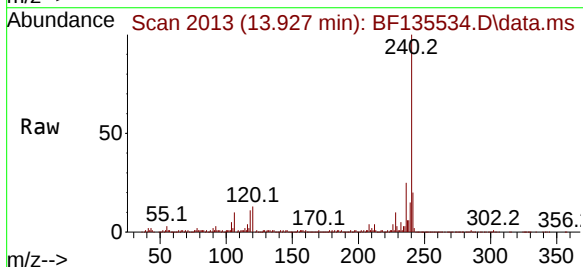
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

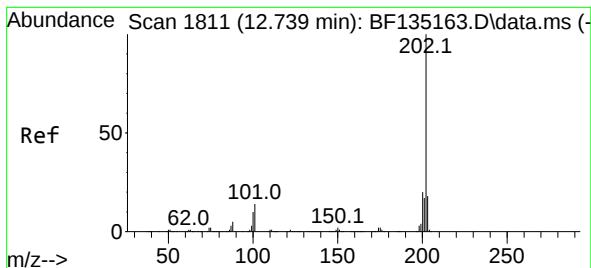
Tgt Ion:202 Resp: 190670
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:240 Resp: 285487
Ion Ratio Lower Upper
240 100
120 13.5 9.4 14.2
236 25.3 19.8 29.8





#78

Pyrene

Concen: 6.437 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

PAT-01-09272023

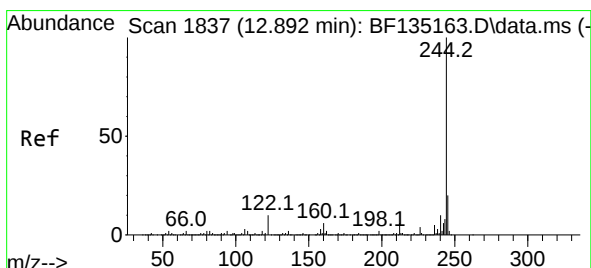
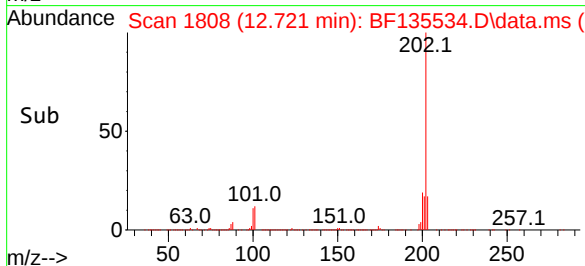
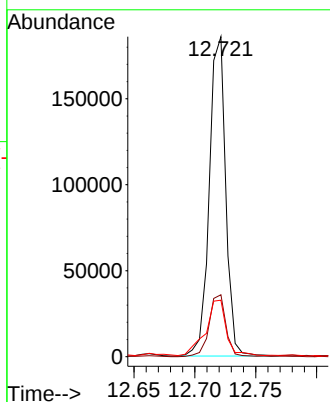
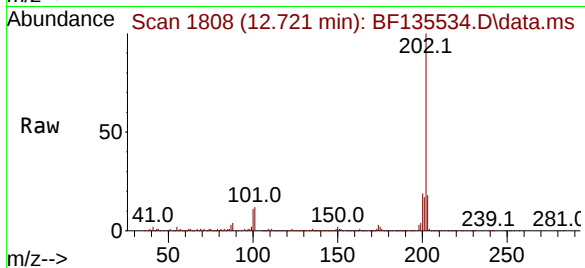
Tgt Ion:202 Resp: 174961

Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 17.6 14.2 21.4



#79

Terphenyl-d14

Concen: 30.142 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.012 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

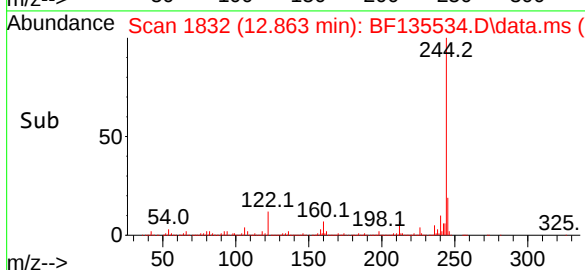
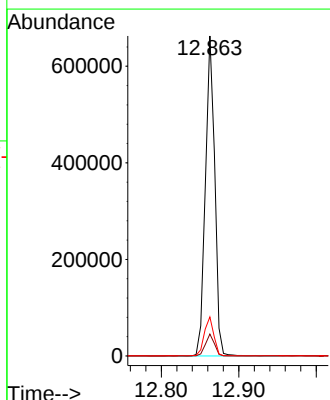
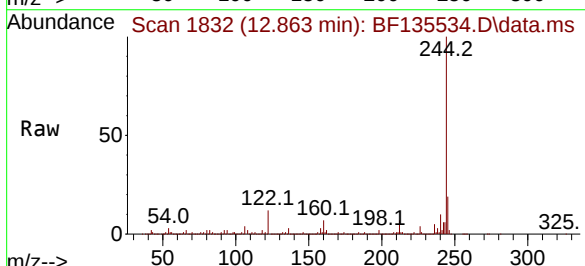
Tgt Ion:244 Resp: 555110

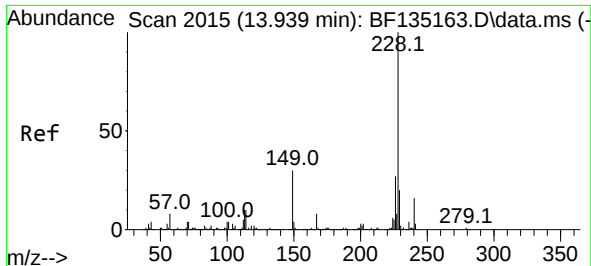
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 12.2 7.9 11.9#

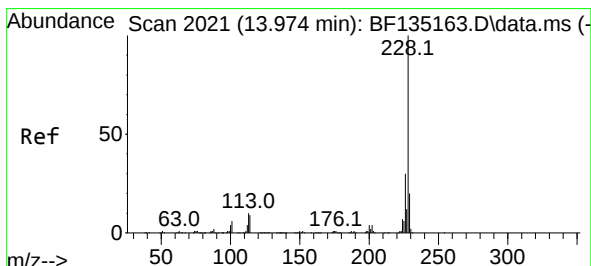
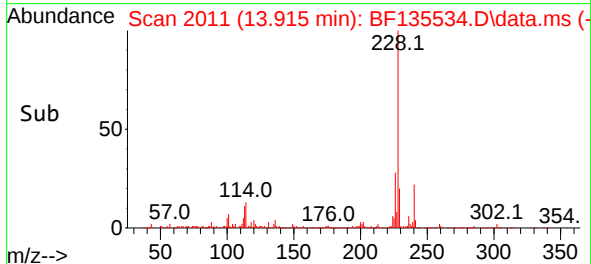
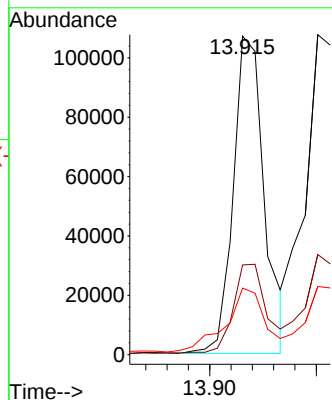
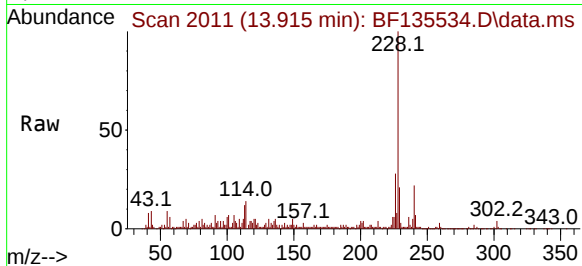




#81
Benzo(a)anthracene
Concen: 5.877 ng
RT: 13.915 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

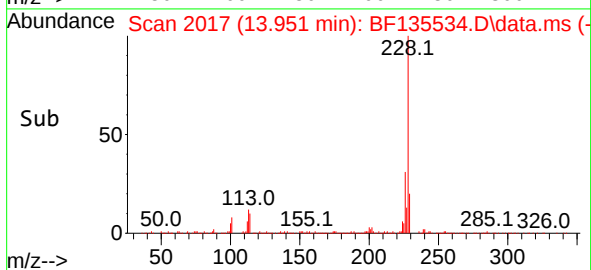
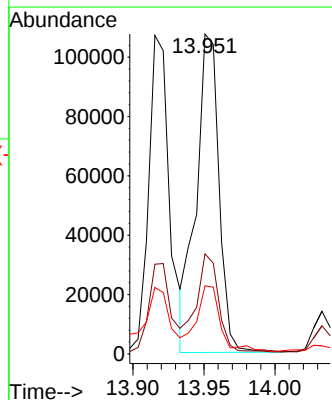
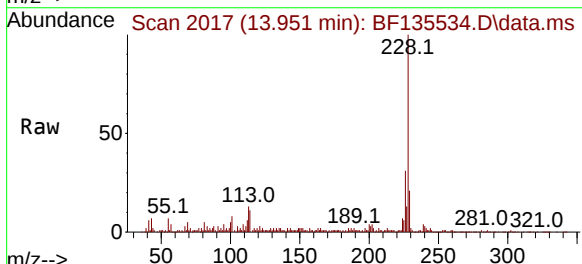
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

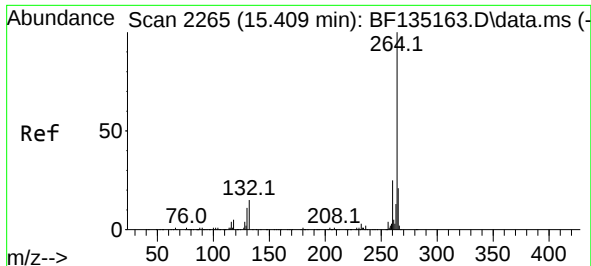
Tgt Ion:228 Resp: 108343
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.9 15.8 23.8



#83
Chrysene
Concen: 6.557 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:228 Resp: 120186
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 21.3 16.0 24.0

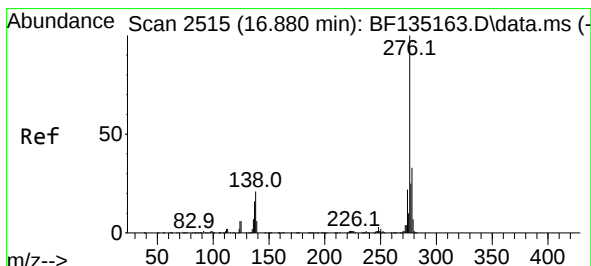
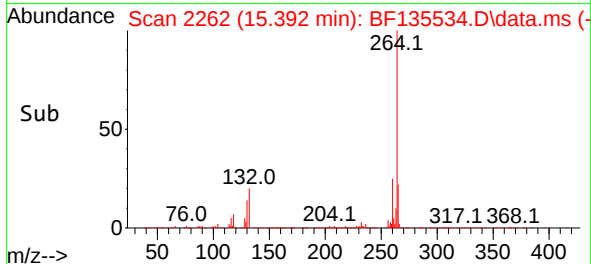
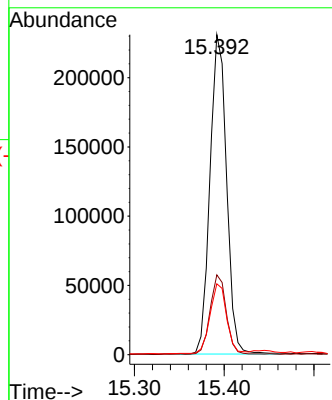
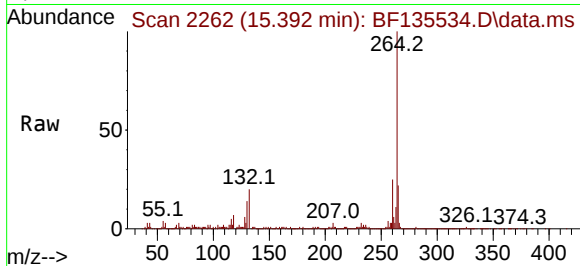




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

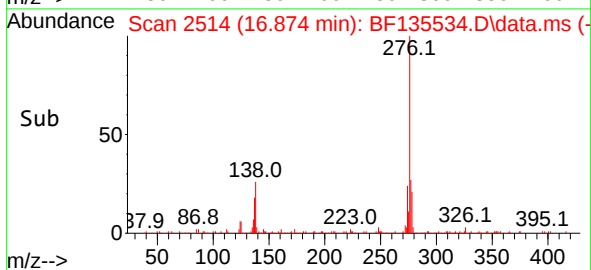
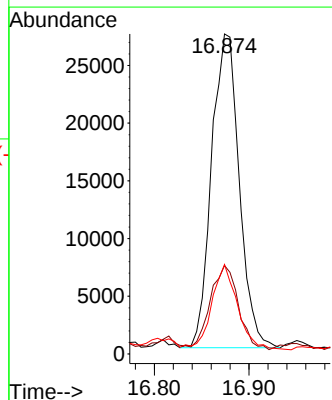
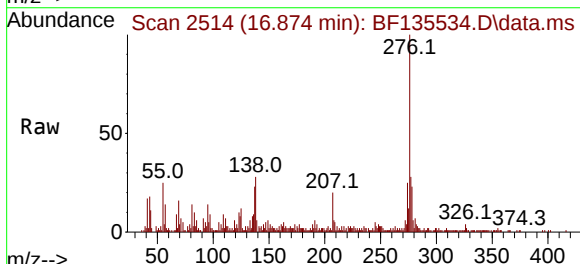
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

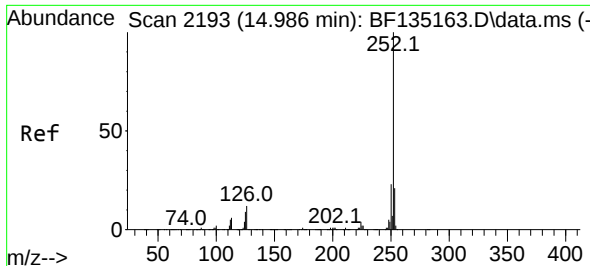
Tgt Ion:264 Resp: 296005
Ion Ratio Lower Upper
264 100
260 25.0 19.8 29.6
265 22.1 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.849 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:276 Resp: 55287
Ion Ratio Lower Upper
276 100
138 27.1 19.2 28.8
277 25.0 19.7 29.5

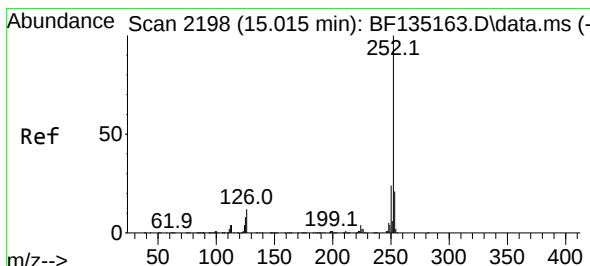
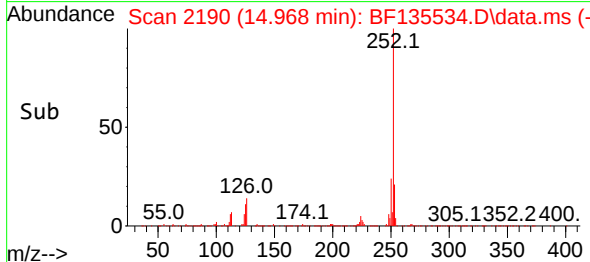
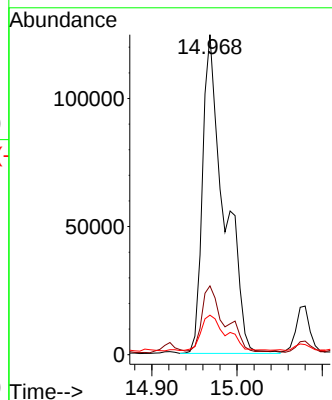
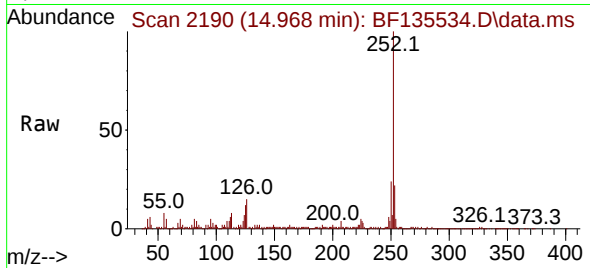




#88
Benzo(b)fluoranthene
Concen: 13.781 ng
RT: 14.968 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

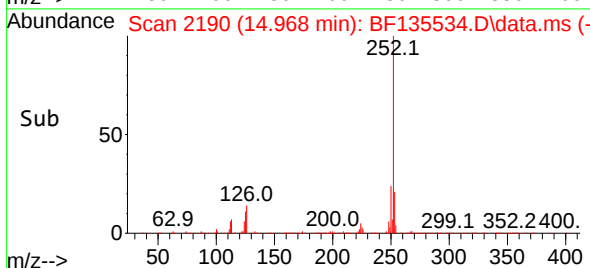
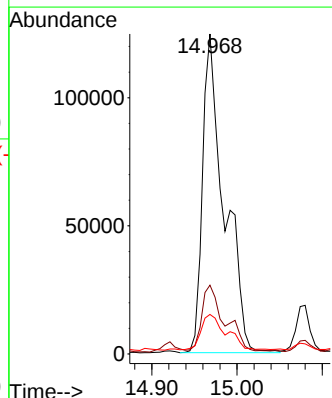
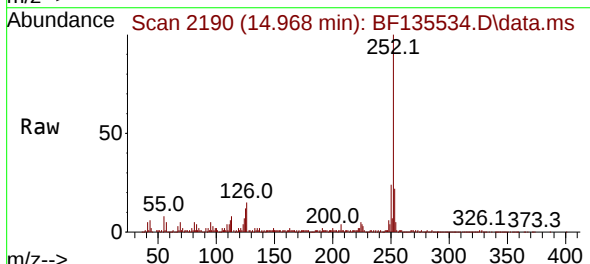
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

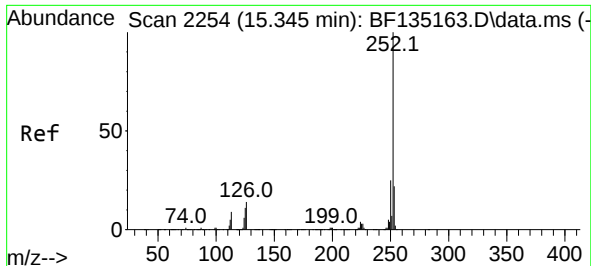
Tgt Ion:252 Resp: 220825
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 12.4 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 13.951 ng
RT: 14.968 min Scan# 2190
Delta R.T. -0.029 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:252 Resp: 220825
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 12.4 7.2 10.8#

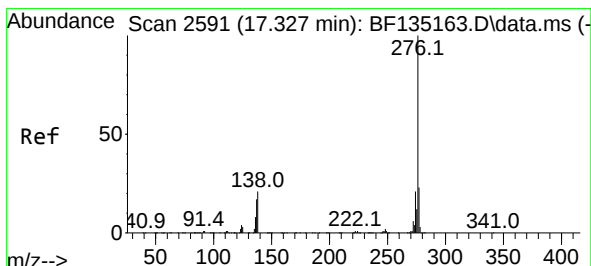
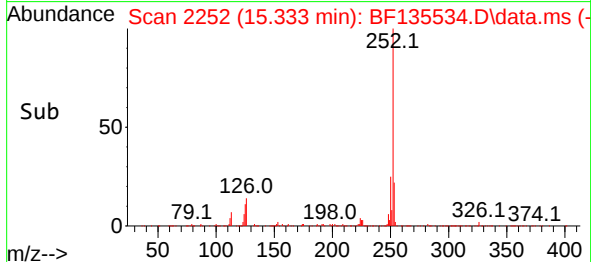
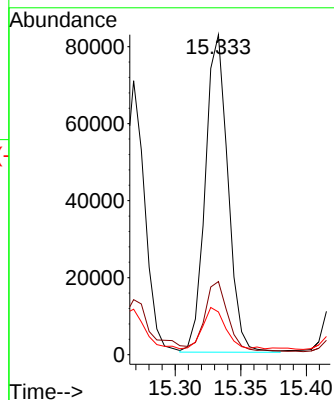
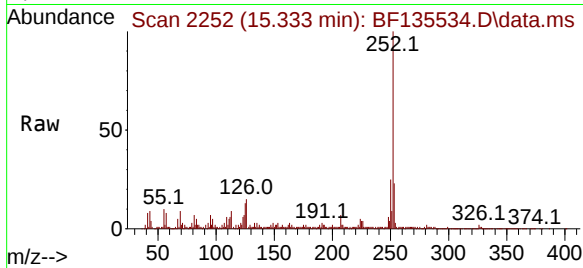




#90
Benzo(a)pyrene
Concen: 6.488 ng
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

Tgt Ion:252 Resp: 99135
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.4 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 3.130 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:276 Resp: 51908
Ion Ratio Lower Upper
276 100
277 22.9 18.8 28.2
138 27.2 16.9 25.3#

