

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135540.D
 Acq On : 02 Oct 2023 21:57
 Operator : CG\JU
 Sample : 04691-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-092923

Quant Time: Oct 03 02:58:48 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)

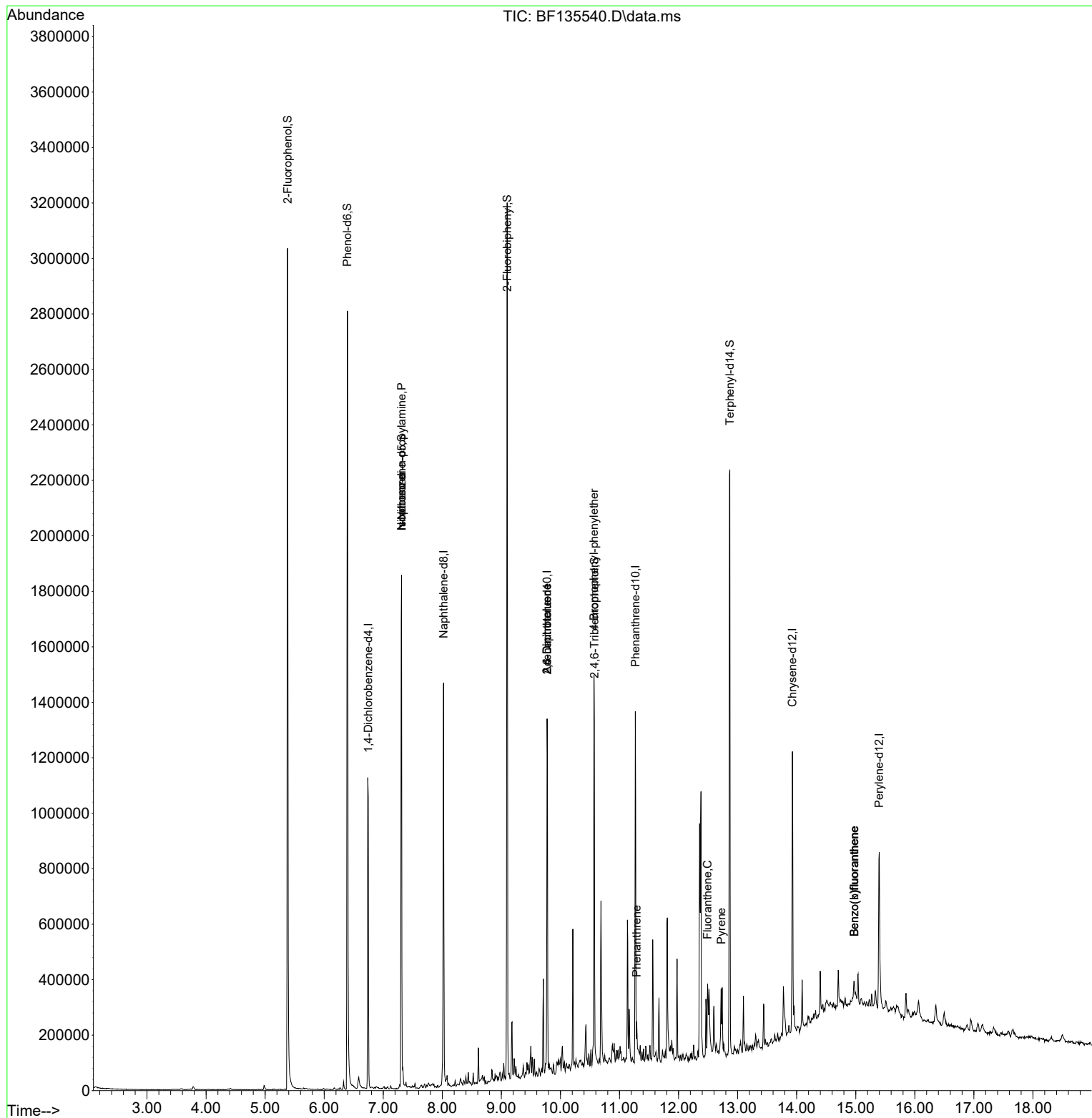
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	174226	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	615911	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	262674	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	448832	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	333945	20.000	ng	0.00
86) Perylene-d12	15.398	264	262437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	805929	75.236	ng	0.00
7) Phenol-d6	6.392	99	971133	71.297	ng	-0.01
23) Nitrobenzene-d5	7.310	82	582911	51.418	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	160071	61.322	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	937550	53.850	ng	-0.01
79) Terphenyl-d14	12.868	244	810542	37.626	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	76851	9.109	ng	# 79
25) Isophorone	7.310	82	582886	28.001	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	34290	8.814	ng	# 18
57) 2,4-Dinitrotoluene	9.775	165	34290	7.040	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	10655	2.387	ng	# 1
71) Phenanthrene	11.292	178	46493	2.190	ng	97
75) Fluoranthene	12.492	202	94594	4.277	ng	99
78) Pyrene	12.721	202	91032	2.863	ng	98
88) Benzo(b)fluoranthene	14.974	252	52524	3.697	ng	# 75
89) Benzo(k)fluoranthene	14.974	252	52524	3.743	ng	# 75

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

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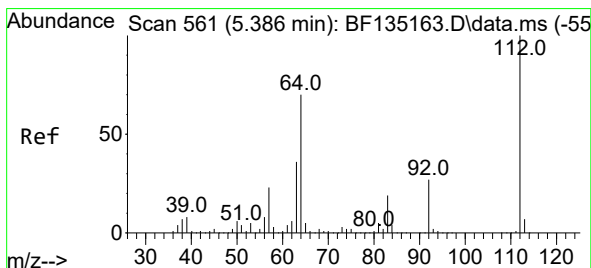
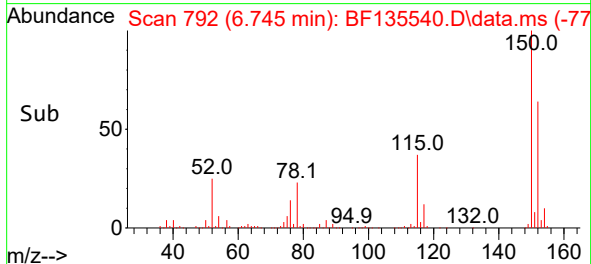
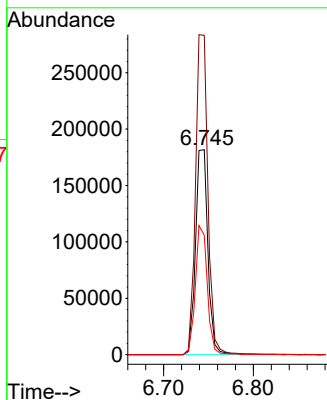
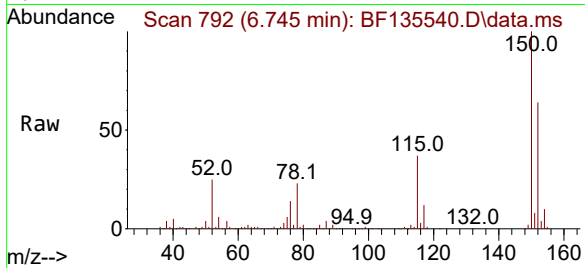




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

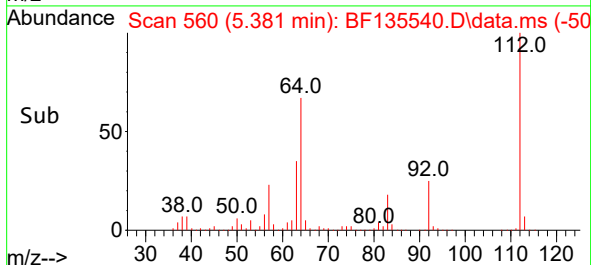
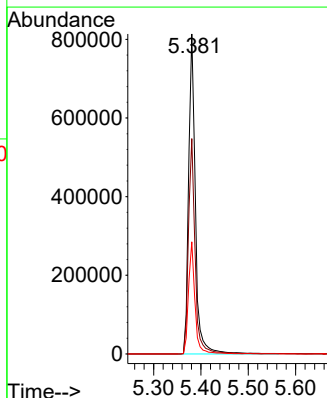
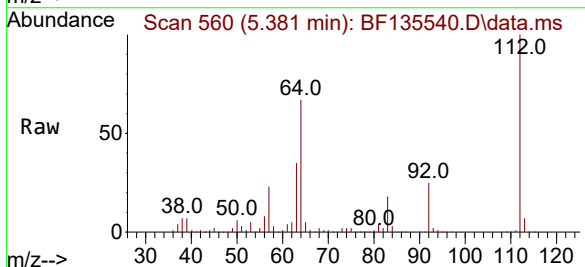
Instrument :
BNA_F
ClientSampleId :
NB-08-092923

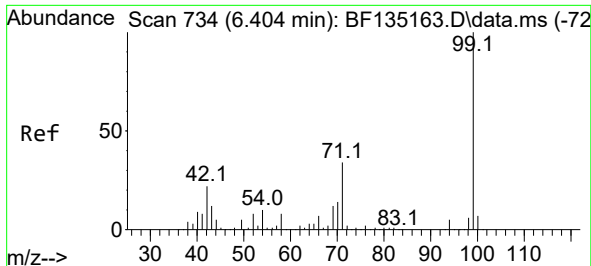
Tgt Ion:152 Resp: 174226
Ion Ratio Lower Upper
152 100
150 155.8 127.8 191.6
115 58.3 49.8 74.8



#5
2-Fluorophenol
Concen: 75.236 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion:112 Resp: 805929
Ion Ratio Lower Upper
112 100
64 67.3 55.9 83.9
63 35.1 29.0 43.6

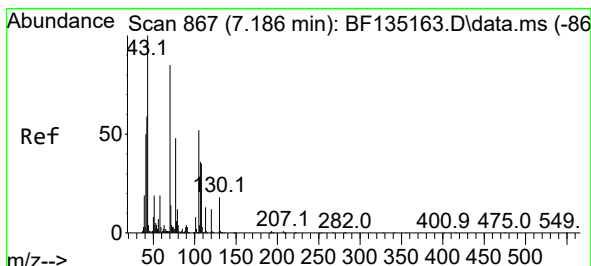
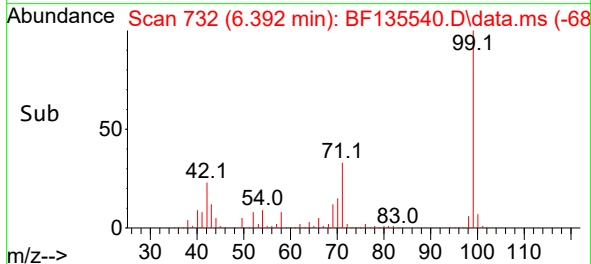
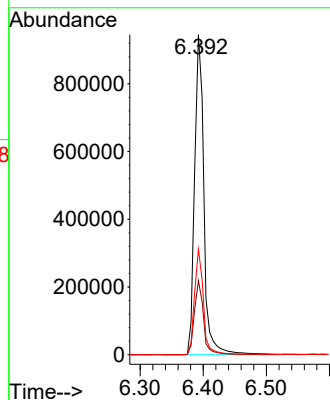
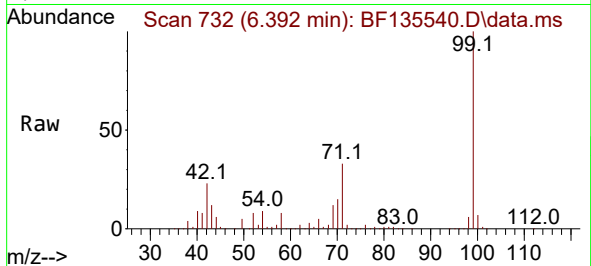




#7
Phenol-d6
Concen: 71.297 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

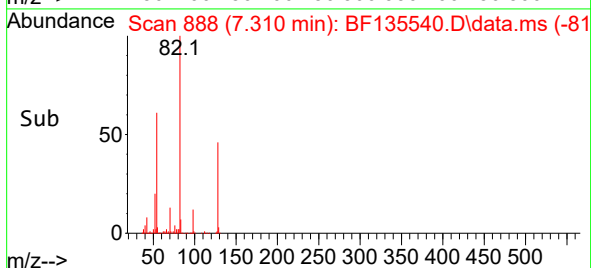
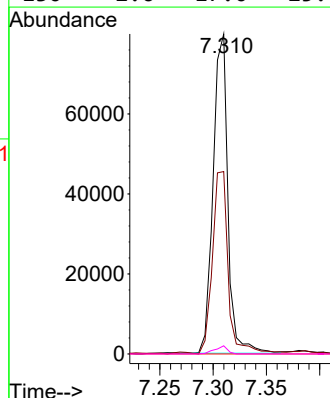
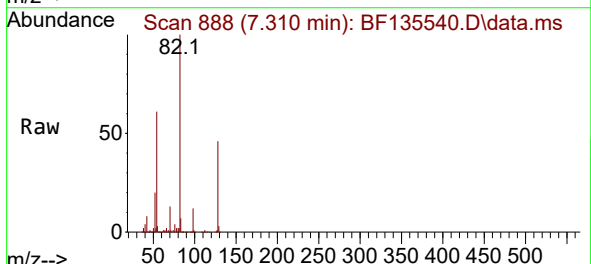
Instrument :
BNA_F
ClientSampleId :
NB-08-092923

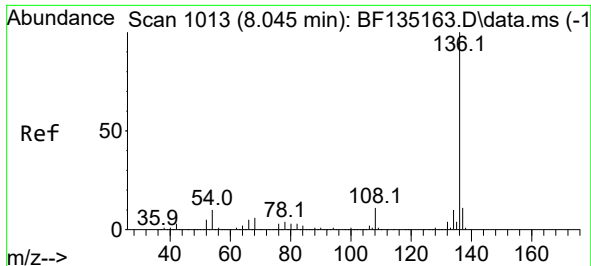
Tgt Ion: 99 Resp: 971133
Ion Ratio Lower Upper
99 100
42 23.1 17.9 26.9
71 32.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.109 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion: 70 Resp: 76851
Ion Ratio Lower Upper
70 100
42 57.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.6 17.0 25.6#

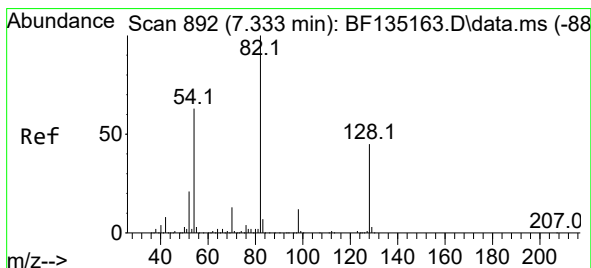
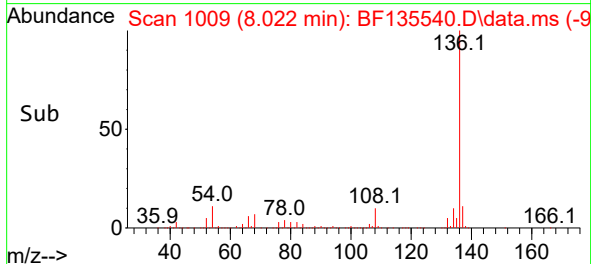
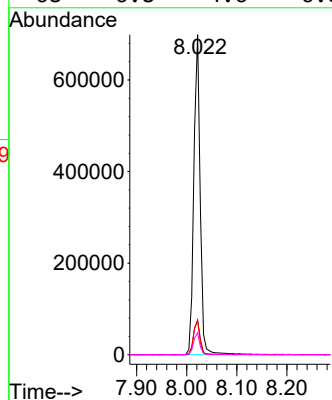
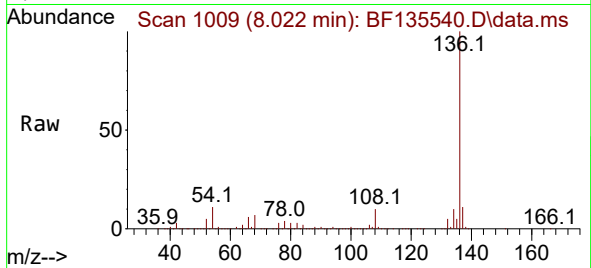




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

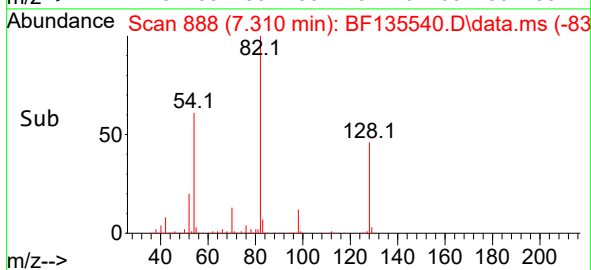
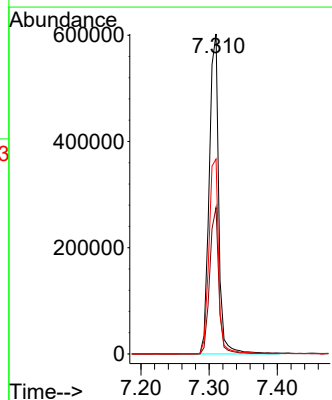
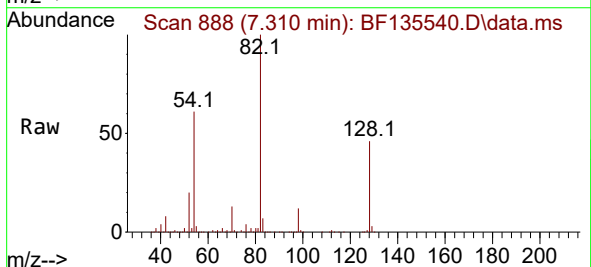
Instrument :
BNA_F
ClientSampleId :
NB-08-092923

Tgt Ion:136 Resp: 615911
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.6 7.7 11.5
68 6.8 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 51.418 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion: 82 Resp: 582911
Ion Ratio Lower Upper
82 100
128 45.8 35.8 53.6
54 60.9 50.6 76.0

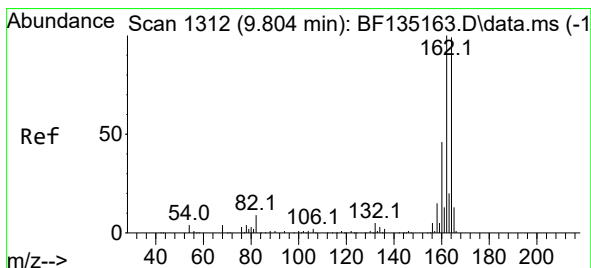
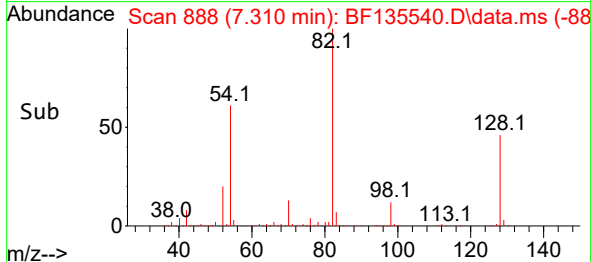
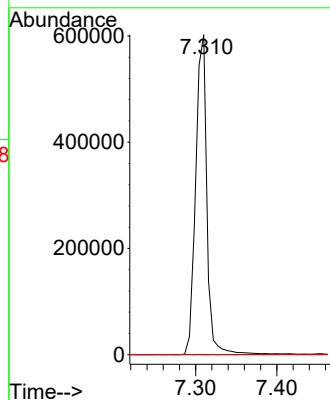
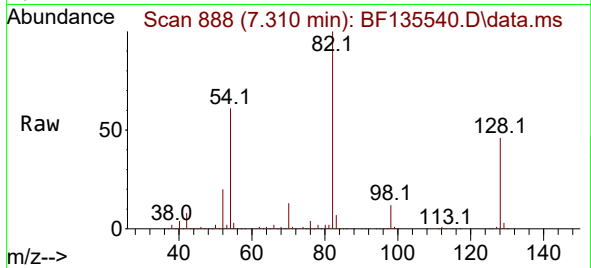




#25
Isophorone
Concen: 28.001 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

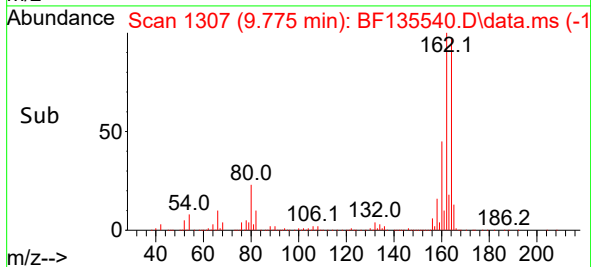
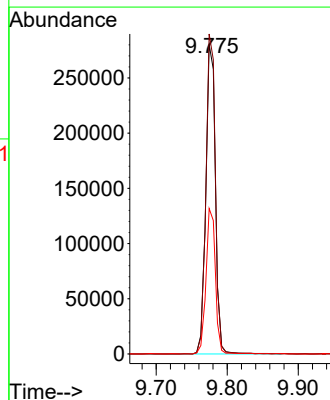
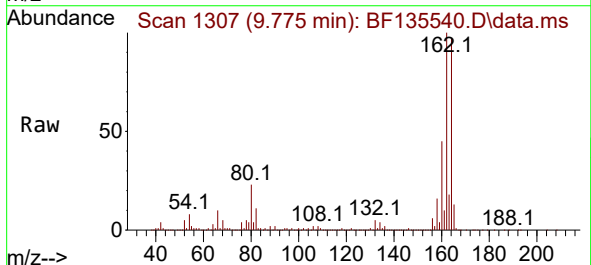
Instrument :
BNA_F
ClientSampleId :
NB-08-092923

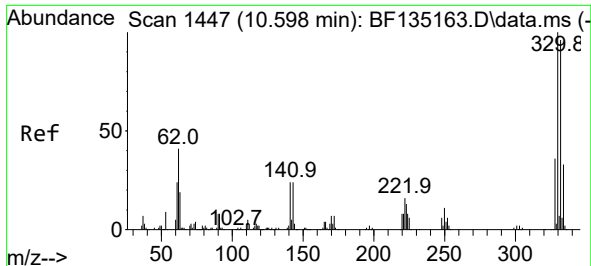
Tgt Ion: 82 Resp: 582886
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

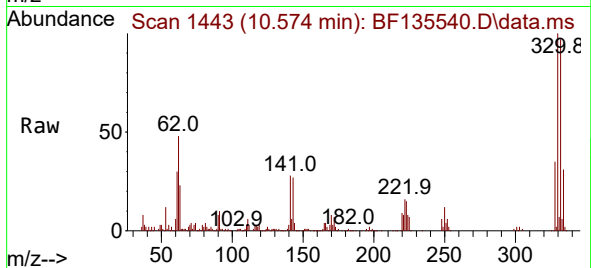
Tgt Ion:164 Resp: 262674
Ion Ratio Lower Upper
164 100
162 103.4 81.0 121.4
160 47.0 37.0 55.4



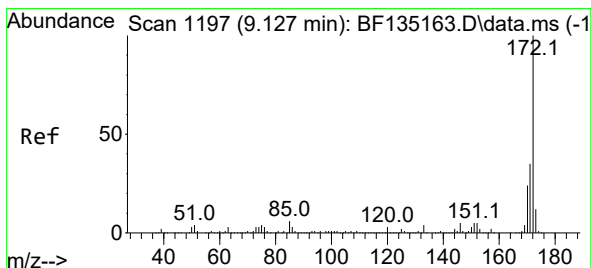
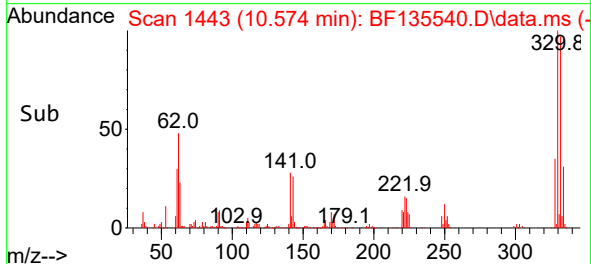
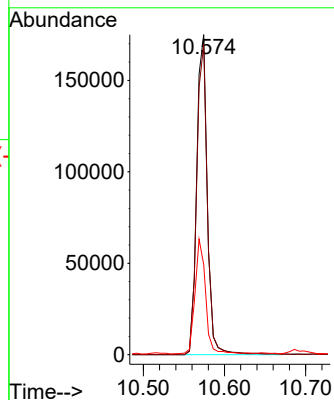


#42
2,4,6-Tribromophenol
Concen: 61.322 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Instrument :
BNA_F
ClientSampleId :
NB-08-092923

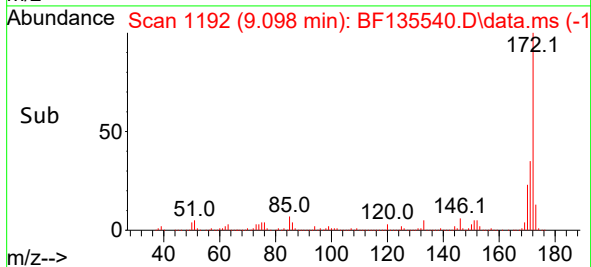
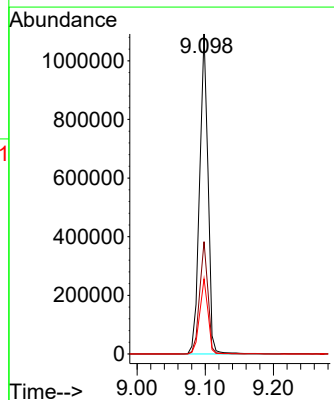
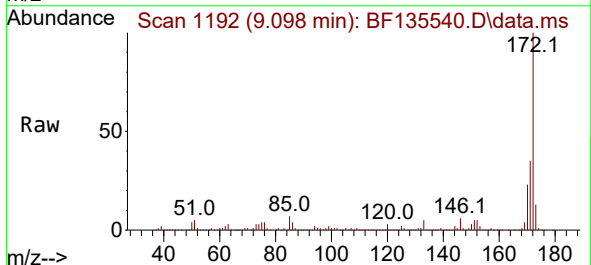


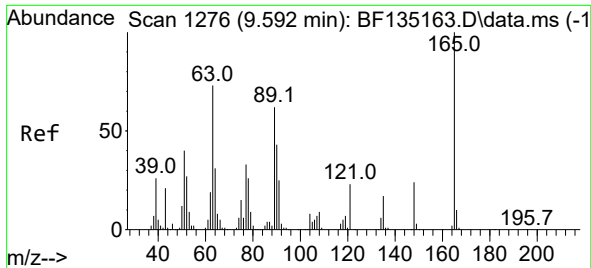
Tgt Ion:330 Resp: 160071
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 35.8 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 53.850 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion:172 Resp: 937550
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.5 19.0 28.4

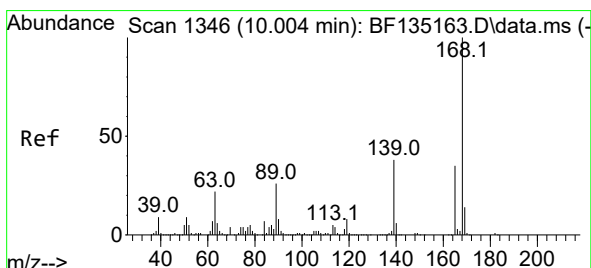
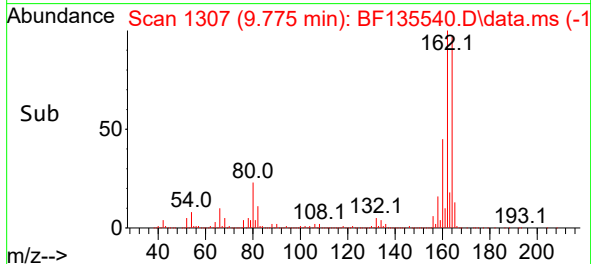
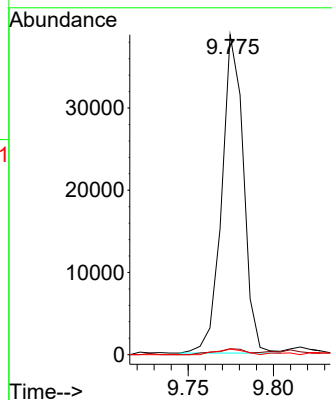
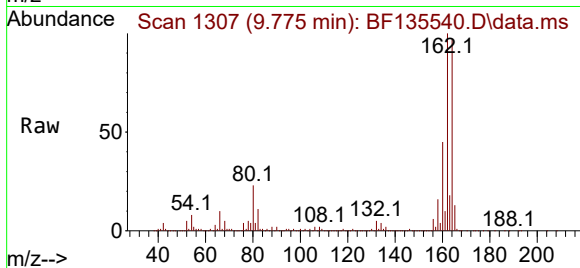




#51
2,6-Dinitrotoluene
Concen: 8.814 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

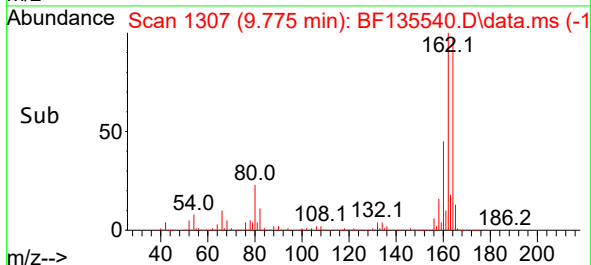
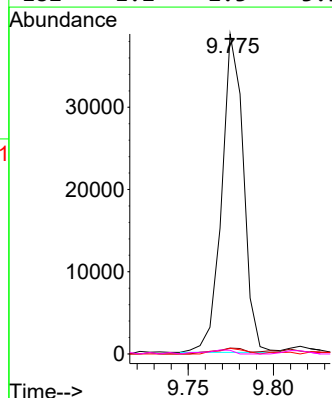
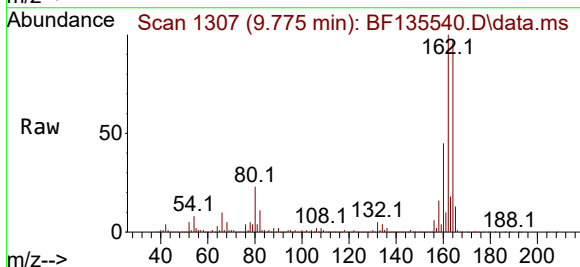
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NB-08-092923

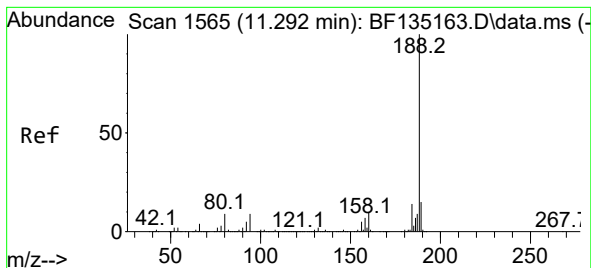
Tgt Ion:165 Resp: 34290
Ion Ratio Lower Upper
165 100
63 1.8 59.4 89.2#
89 1.7 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.040 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion:165 Resp: 34290
Ion Ratio Lower Upper
165 100
63 1.8 50.1 75.1#
89 1.7 59.3 88.9#
182 1.2 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135540.D

Acq: 02 Oct 2023 21:57

Instrument :

BNA_F

ClientSampleId :

NB-08-092923

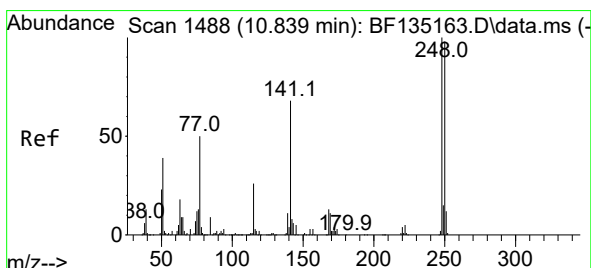
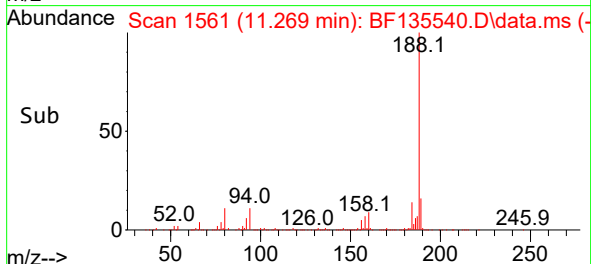
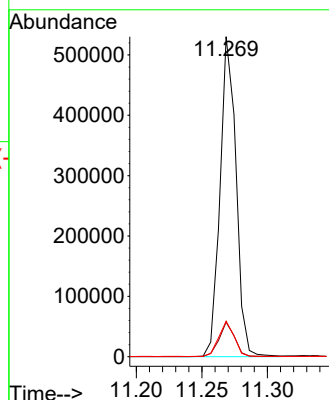
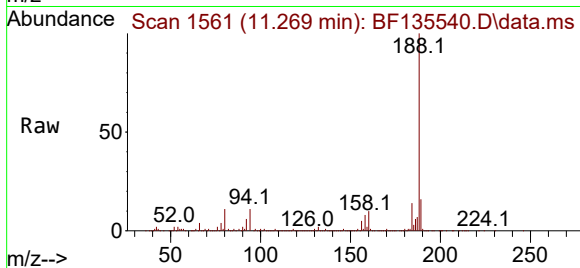
Tgt Ion:188 Resp: 448832

Ion Ratio Lower Upper

188 100

94 10.8 7.0 10.6#

80 11.1 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.387 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135540.D

Acq: 02 Oct 2023 21:57

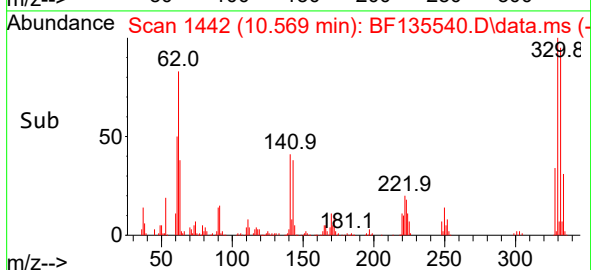
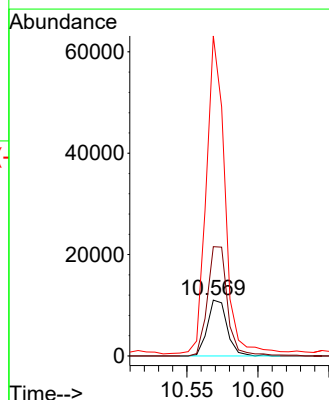
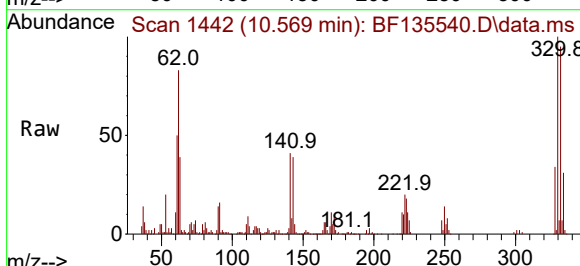
Tgt Ion:248 Resp: 10655

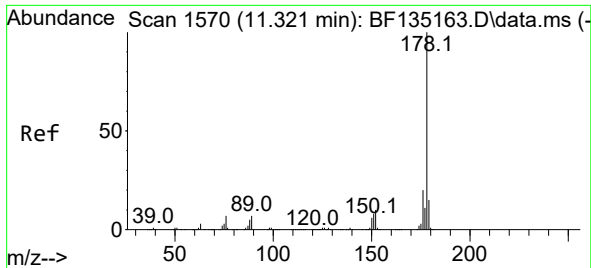
Ion Ratio Lower Upper

248 100

250 195.9 78.6 117.8#

141 573.7 54.2 81.2#

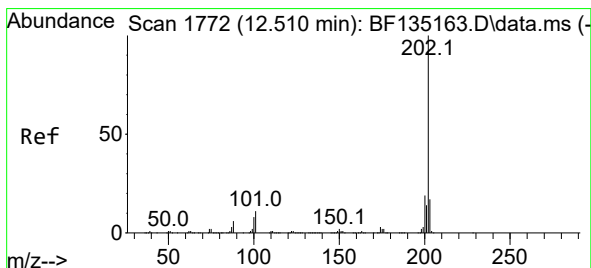
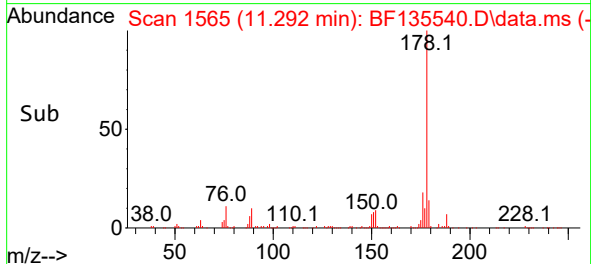
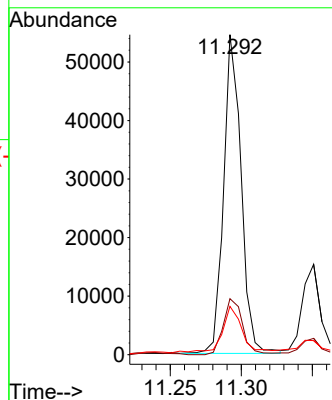
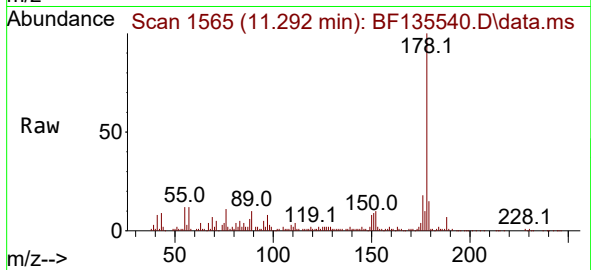




#71
Phenanthrene
Concen: 2.190 ng
RT: 11.292 min Scan# 1769
Delta R.T. -0.012 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

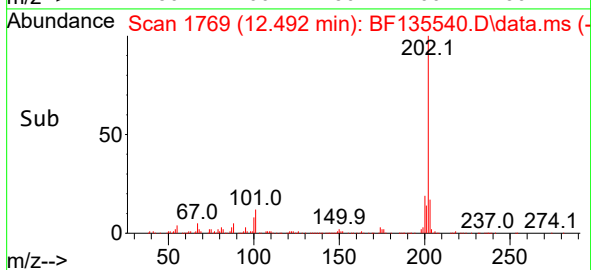
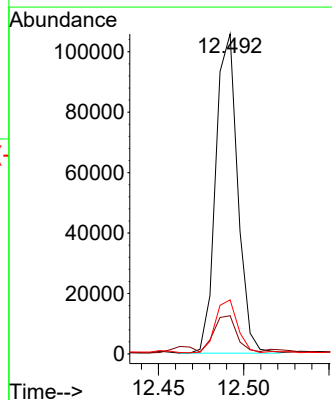
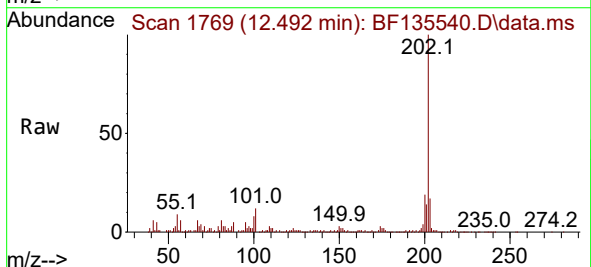
Instrument :
BNA_F
ClientSampleId :
NB-08-092923

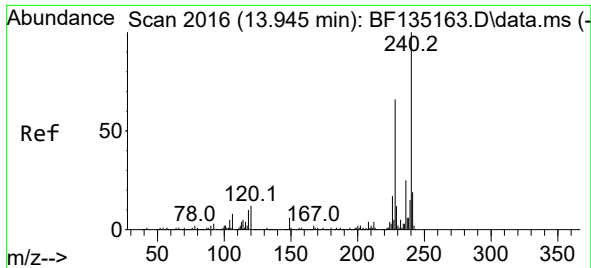
Tgt Ion:178 Resp: 46493
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 15.1 12.0 18.0



#75
Fluoranthene
Concen: 4.277 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion:202 Resp: 94594
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.3
203 16.9 0.0 37.4

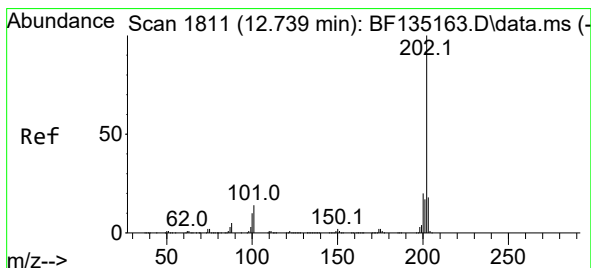
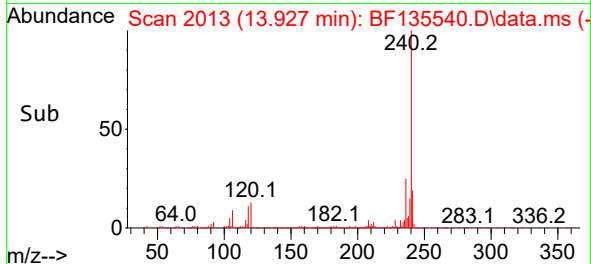
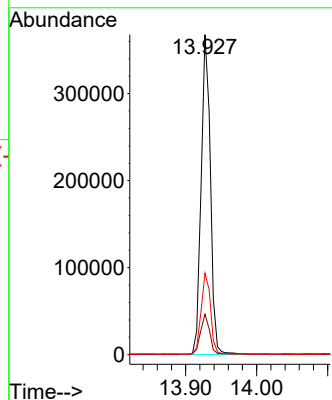
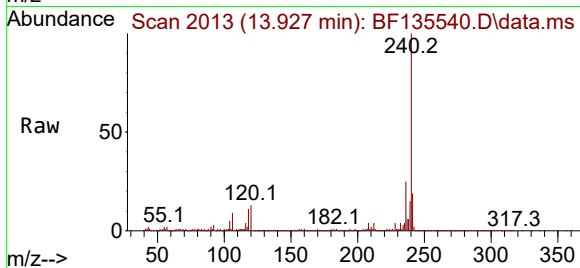




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

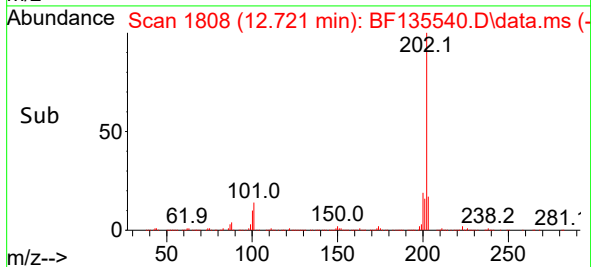
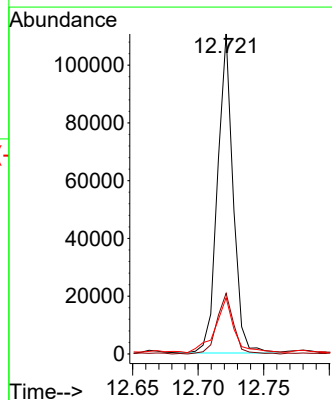
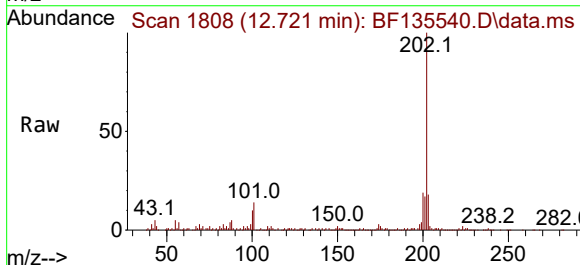
Instrument :
BNA_F
ClientSampleId :
NB-08-092923

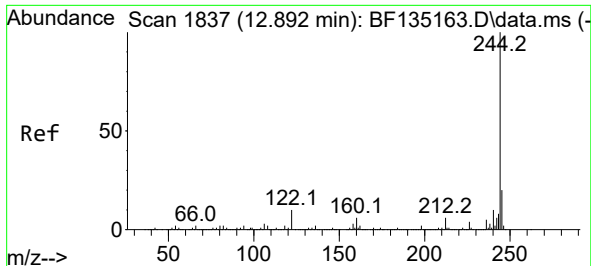
Tgt Ion:240 Resp: 333945
Ion Ratio Lower Upper
240 100
120 12.7 9.4 14.2
236 25.4 19.8 29.8



#78
Pyrene
Concen: 2.863 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion:202 Resp: 91032
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.5 14.2 21.4

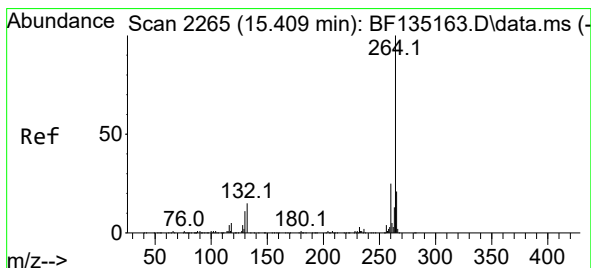
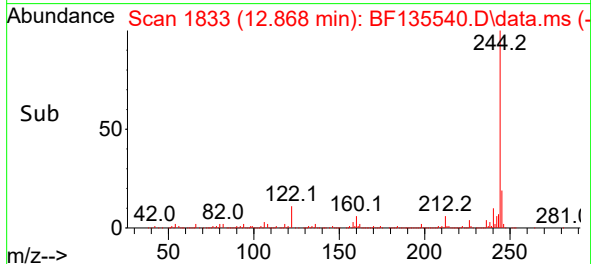
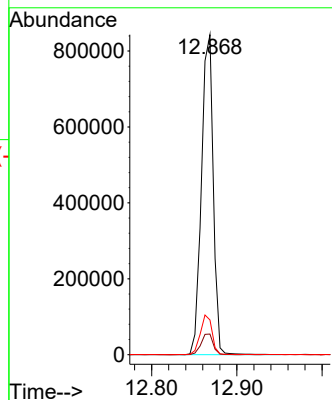
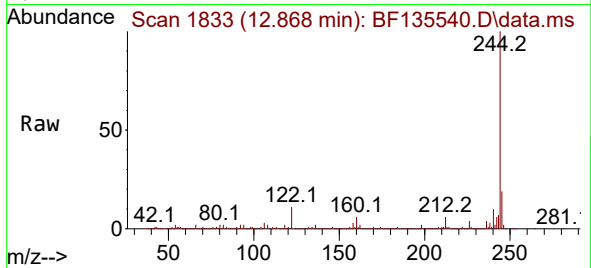




#79
 Terphenyl-d14
 Concen: 37.626 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. -0.006 min
 Lab File: BF135540.D
 Acq: 02 Oct 2023 21:57

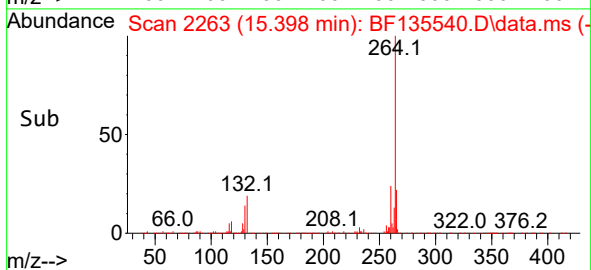
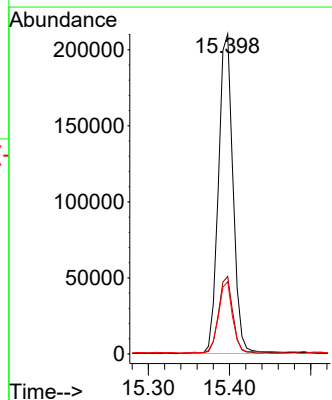
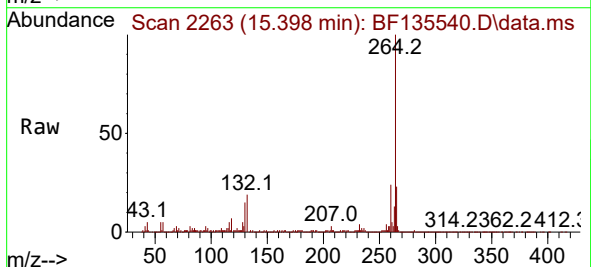
Instrument :
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 NB-08-092923

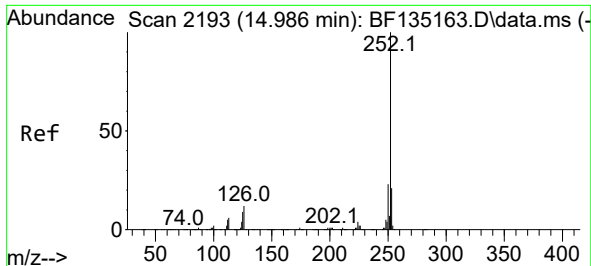
Tgt Ion:244 Resp: 810542
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 10.9 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2263
 Delta R.T. 0.006 min
 Lab File: BF135540.D
 Acq: 02 Oct 2023 21:57

Tgt Ion:264 Resp: 262437
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.6
 265 22.5 17.0 25.4

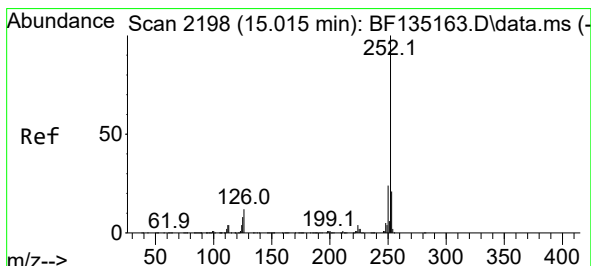
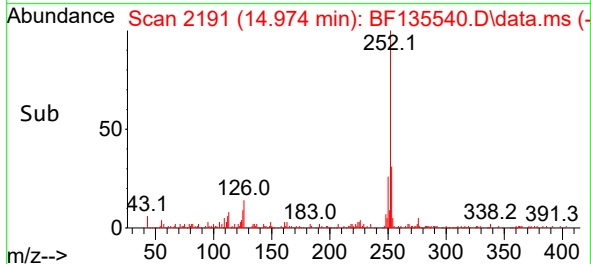
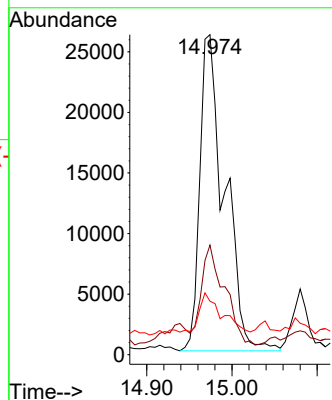
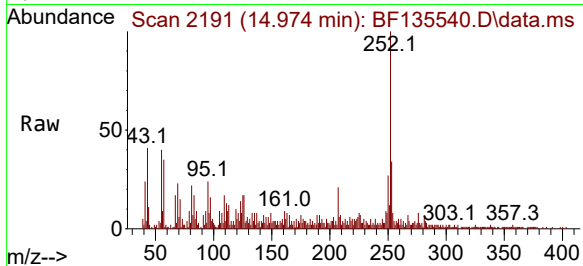




#88
Benzo(b)fluoranthene
Concen: 3.697 ng
RT: 14.974 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Instrument :
BNA_F
ClientSampleId :
NB-08-092923

Tgt Ion:252 Resp: 52524
Ion Ratio Lower Upper
252 100
253 34.3 17.2 25.8#
125 16.7 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 3.743 ng
RT: 14.974 min Scan# 2191
Delta R.T. -0.024 min
Lab File: BF135540.D
Acq: 02 Oct 2023 21:57

Tgt Ion:252 Resp: 52524
Ion Ratio Lower Upper
252 100
253 34.3 17.4 26.0#
125 16.7 7.2 10.8#

