

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121123\
 Data File : BF136503.D
 Acq On : 11 Dec 2023 21:56
 Operator : CG\JU
 Sample : 05671-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-35

Quant Time: Dec 11 23:47:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

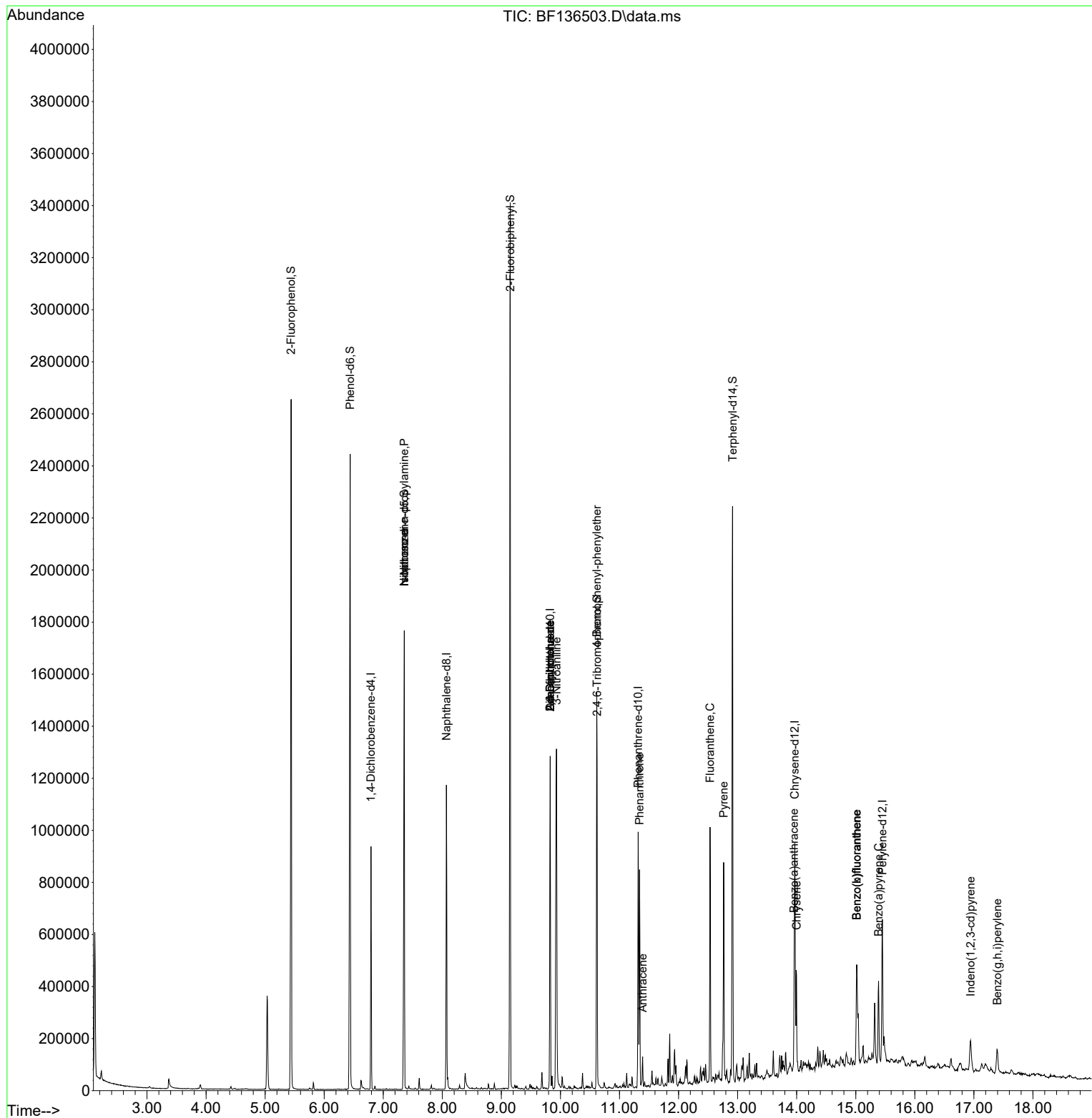
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	125989	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	503181	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	238158	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	357100	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	229649	20.000	ng	-0.01
86) Perylene-d12	15.451	264	258509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	758695	88.933	ng	0.00
7) Phenol-d6	6.440	99	921892	86.613	ng	0.00
23) Nitrobenzene-d5	7.357	82	566278	60.839	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	200224	68.184	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1050890	60.210	ng	-0.01
79) Terphenyl-d14	12.916	244	771054	44.254	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	146	Below Cal	#	25
19) n-Nitroso-di-n-propyla...	7.357	70	73633	11.992	ng	# 76
25) Isophorone	7.357	82	566267	33.863	ng	# 65
50) Dimethylphthalate	9.828	163	49731	2.836	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	30264	7.672	ng	# 29
53) 3-Nitroaniline	9.933	138	13046	3.239	ng	# 4
57) 2,4-Dinitrotoluene	9.828	165	30264	5.800	ng	# 29
67) 4-Bromophenyl-phenylether	10.616	248	12226	2.945	ng	# 1
71) Phenanthrene	11.339	178	285949	14.569	ng	98
72) Anthracene	11.392	178	40627	2.055	ng	97
75) Fluoranthene	12.533	202	375257	18.244	ng	97
77) Benzidine	12.916	184	8740	Below Cal	#	89
78) Pyrene	12.763	202	330359	14.689	ng	97
81) Benzo(a)anthracene	13.957	228	155327	9.710	ng	97
83) Chrysene	13.998	228	160487	10.197	ng	96
87) Indeno(1,2,3-cd)pyrene	16.945	276	83217	4.634	ng	97
88) Benzo(b)fluoranthene	15.015	252	288312	16.312	ng	97
89) Benzo(k)fluoranthene	15.015	252	288312	17.309	ng	97
90) Benzo(a)pyrene	15.386	252	147010	10.071	ng	98
92) Benzo(g,h,i)perylene	17.398	276	73078	4.839	ng	98

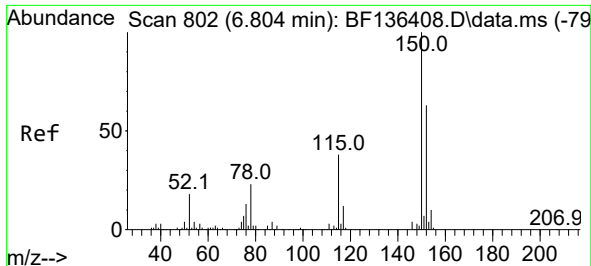
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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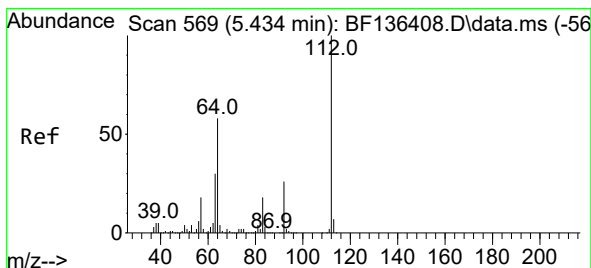
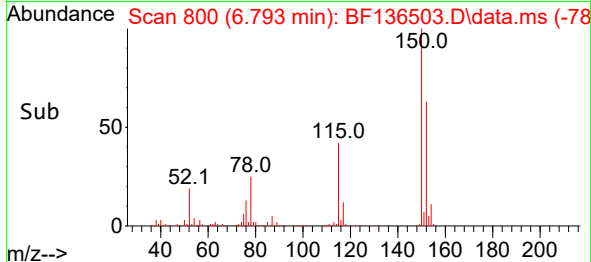
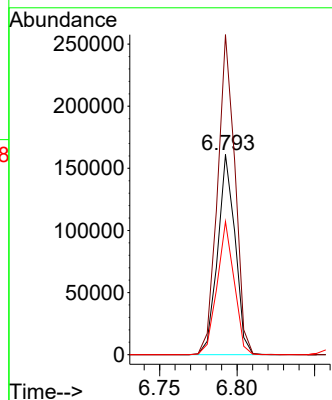
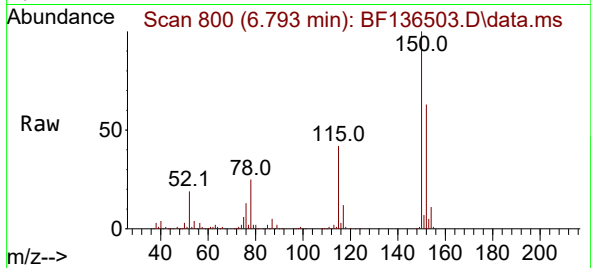




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

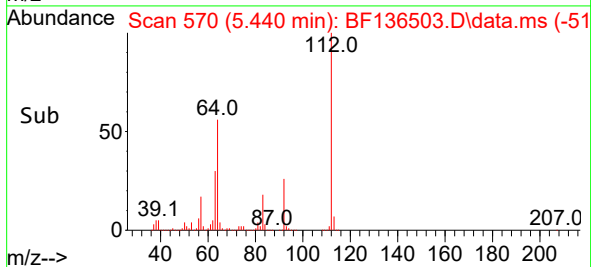
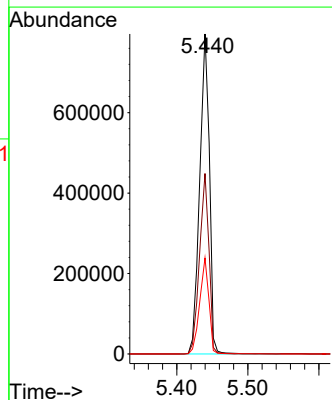
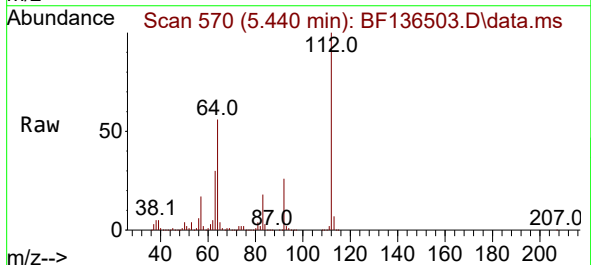
Instrument :
BNA_F
ClientSampleId :
TP-35

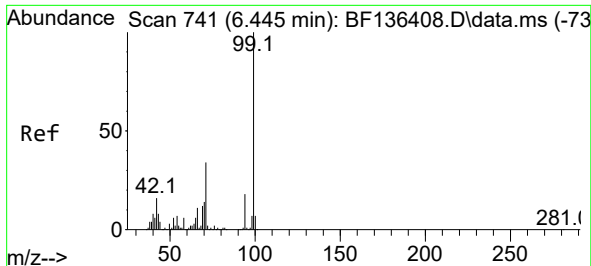
Tgt Ion:152 Resp: 125989
Ion Ratio Lower Upper
152 100
150 159.8 126.4 189.6
115 66.5 48.2 72.4



#5
2-Fluorophenol
Concen: 88.933 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:112 Resp: 758695
Ion Ratio Lower Upper
112 100
64 56.4 46.5 69.7
63 30.0 23.9 35.9

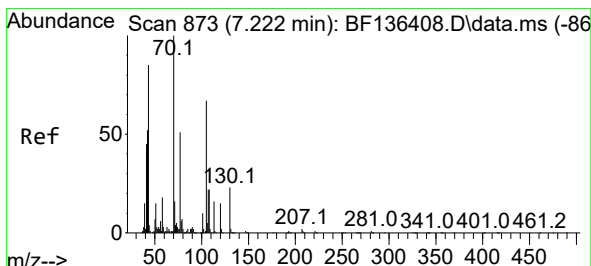
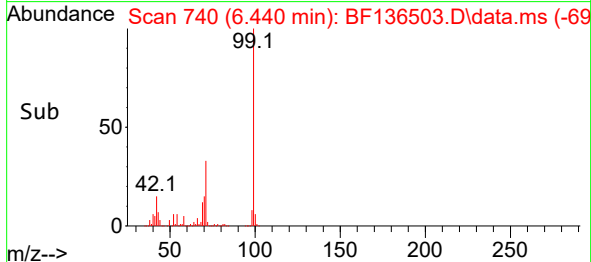
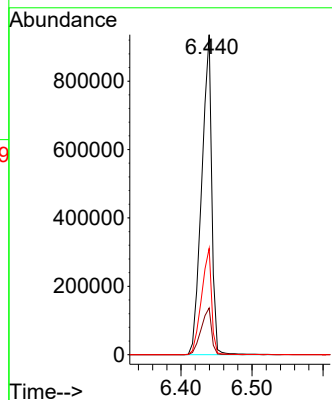
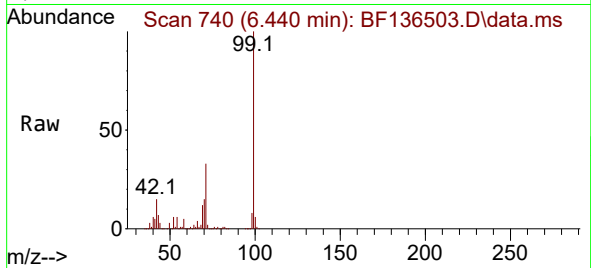




#7
Phenol-d6
Concen: 86.613 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

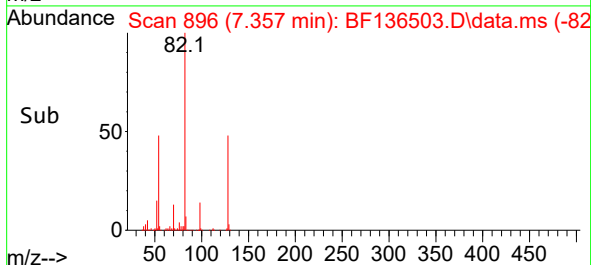
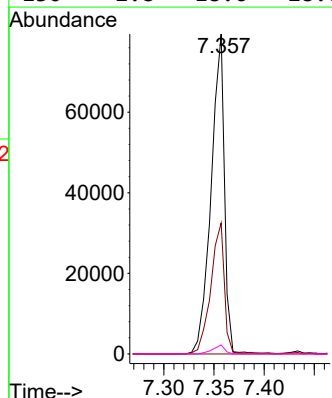
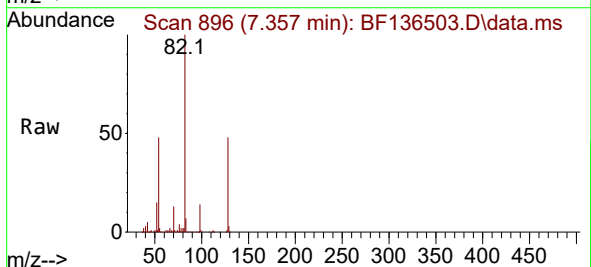
Instrument :
BNA_F
ClientSampleId :
TP-35

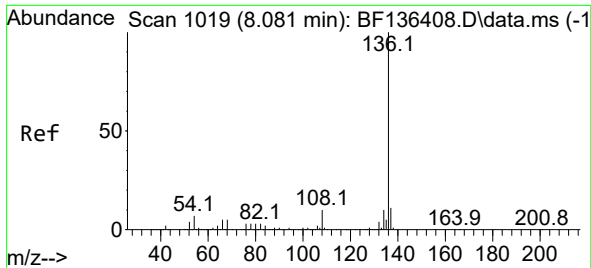
Tgt Ion: 99 Resp: 921892
Ion Ratio Lower Upper
99 100
42 14.6 12.8 19.2
71 33.2 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.992 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion: 70 Resp: 73633
Ion Ratio Lower Upper
70 100
42 41.0 41.4 62.0#
101 0.0 8.2 12.4#
130 2.8 18.6 28.0#



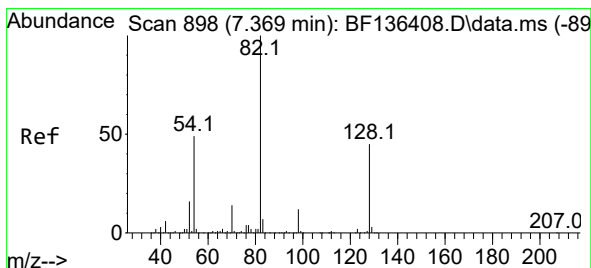
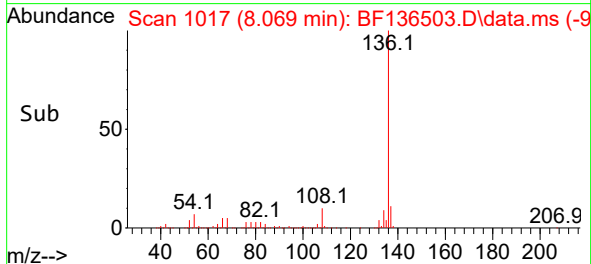
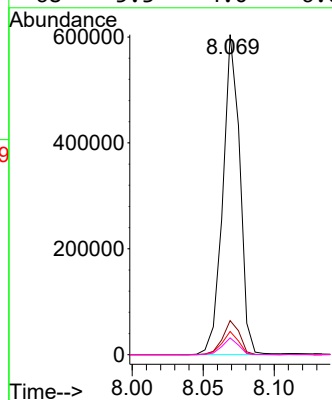
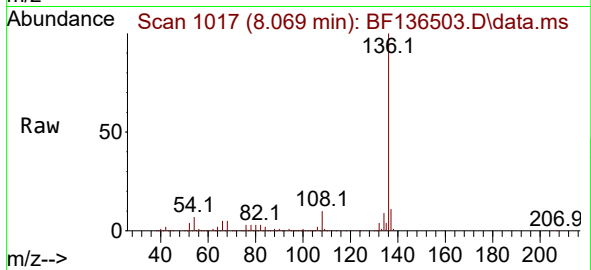


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:136 Resp: 503181

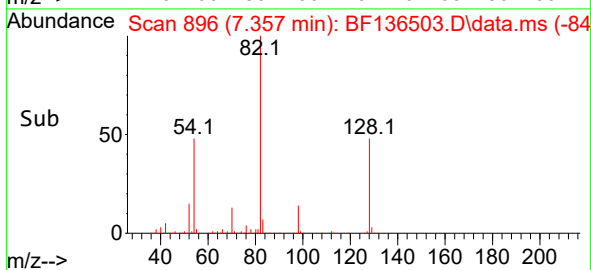
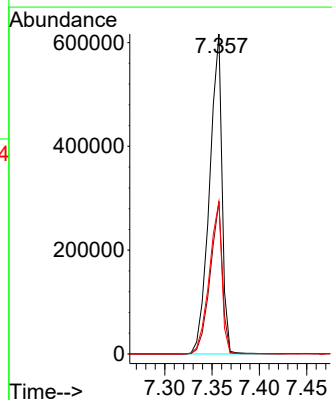
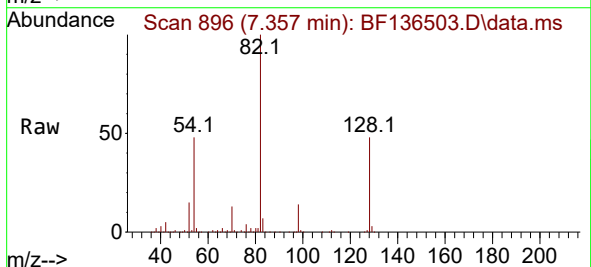
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.2	5.7	8.5
68	5.3	4.0	6.0

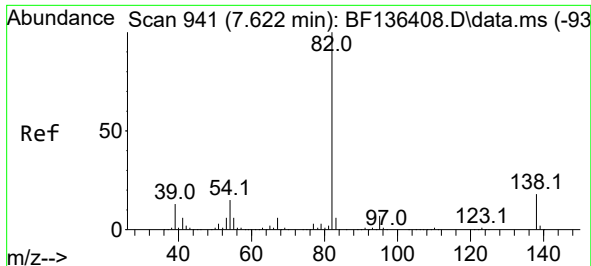


#23
Nitrobenzene-d5
Concen: 60.839 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion: 82 Resp: 566278

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.3	54.5
54	47.6	39.0	58.6

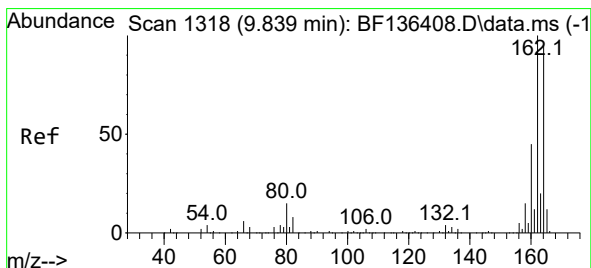
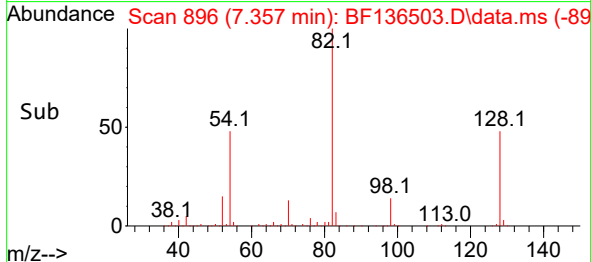
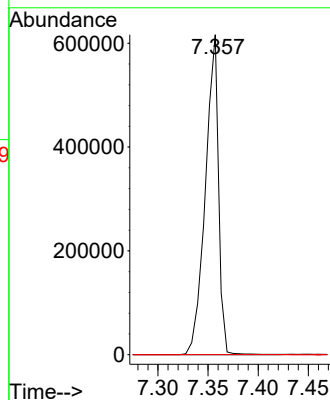
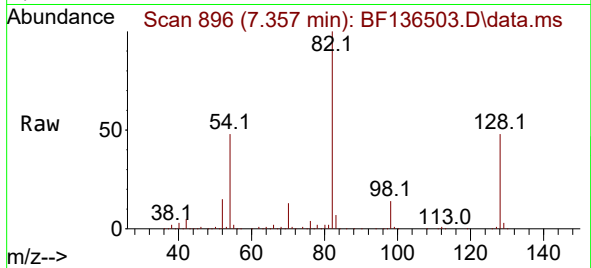




#25
Isophorone
Concen: 33.863 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

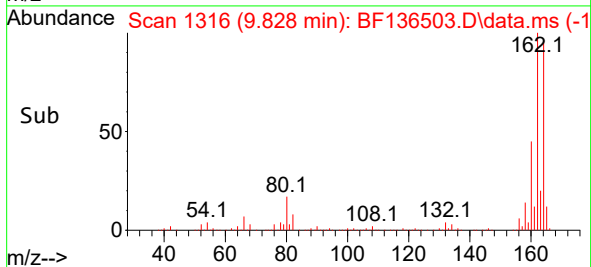
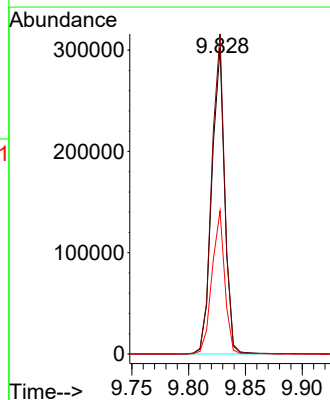
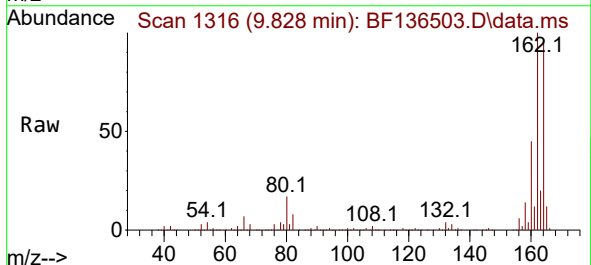
Instrument :
BNA_F
ClientSampleId :
TP-35

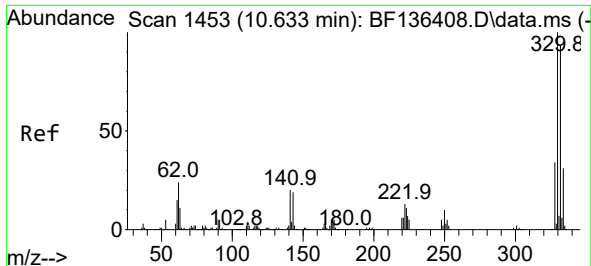
Tgt Ion: 82 Resp: 566267
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:164 Resp: 238158
Ion Ratio Lower Upper
164 100
162 104.5 84.4 126.6
160 46.8 37.6 56.4

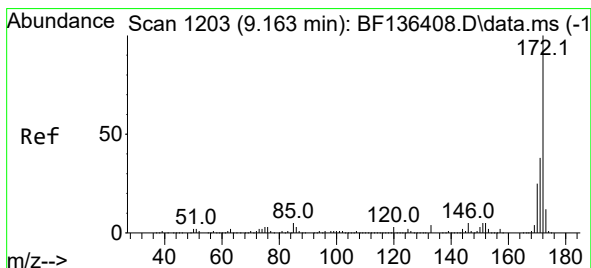
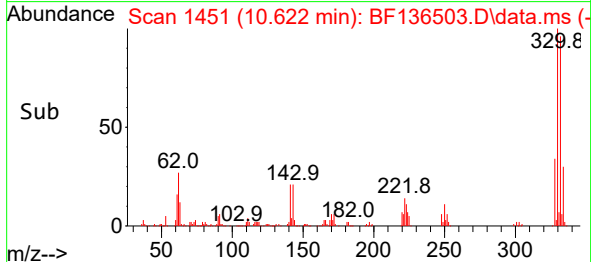
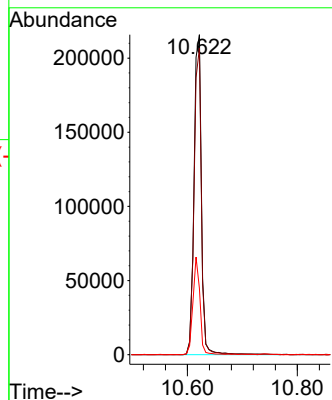
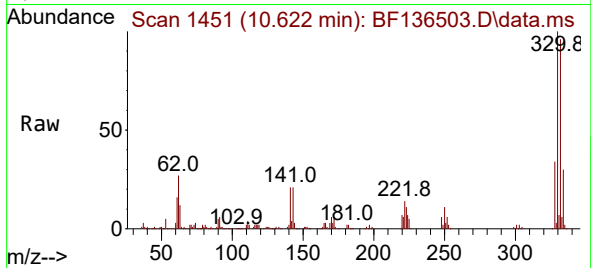




#42
 2,4,6-Tribromophenol
 Concen: 68.184 ng
 RT: 10.622 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

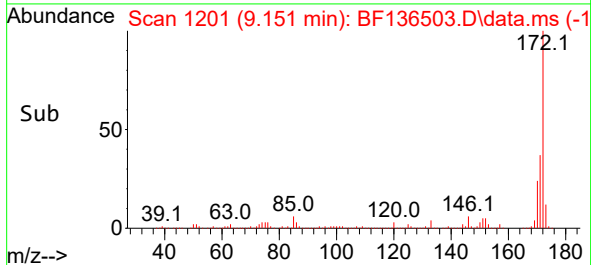
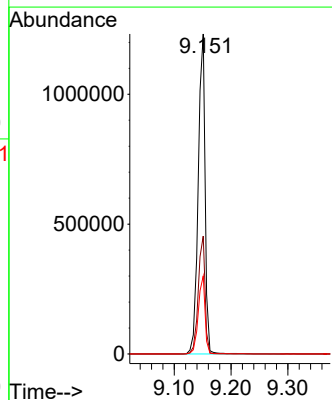
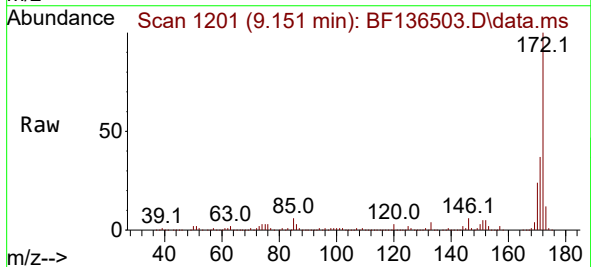
Instrument :
 BNA_F
 ClientSampleId :
 TP-35

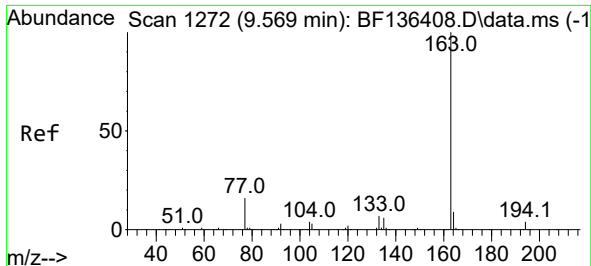
Tgt Ion:330 Resp: 200224
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.4 114.6
 141 28.8 23.4 35.2



#45
 2-Fluorobiphenyl
 Concen: 60.210 ng
 RT: 9.151 min Scan# 1201
 Delta R.T. -0.012 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

Tgt Ion:172 Resp: 1050890
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.5 45.7
 170 24.3 19.9 29.9

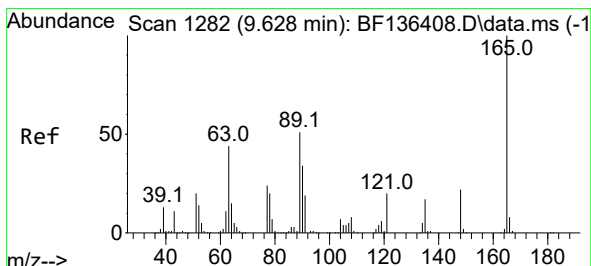
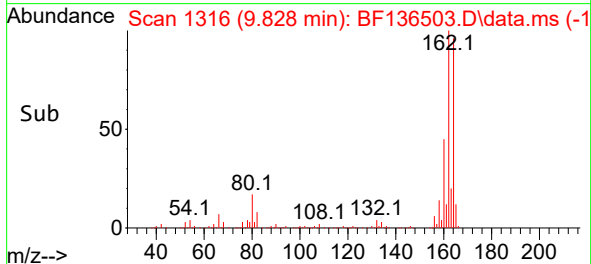
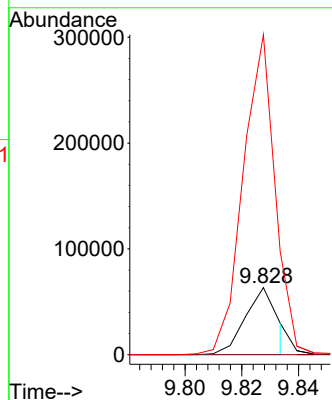
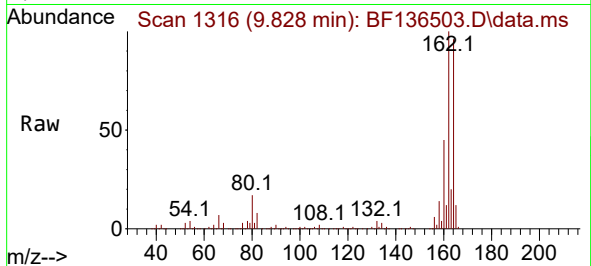




#50
Dimethylphthalate
Concen: 2.836 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

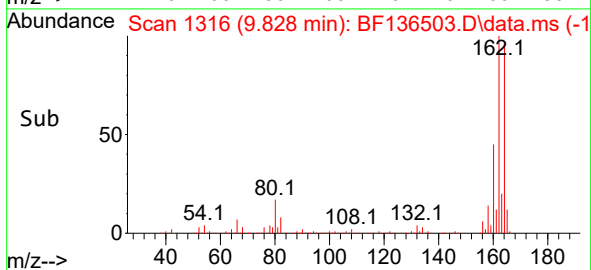
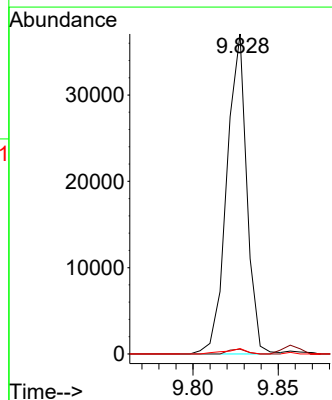
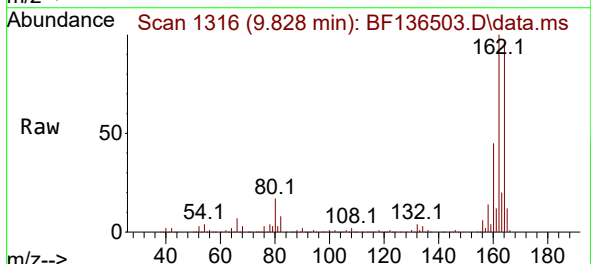
Instrument :
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ClientSampleId :
TP-35

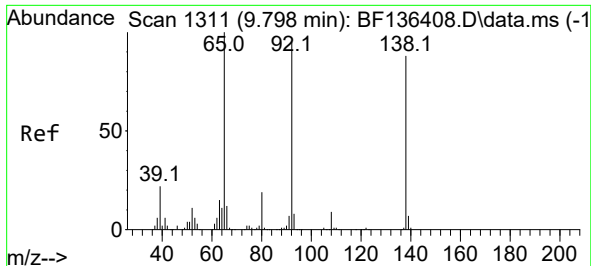
Tgt Ion:163 Resp: 49731
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 477.1 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.672 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:165 Resp: 30264
Ion Ratio Lower Upper
165 100
63 1.5 40.4 60.6#
89 1.7 40.6 60.8#

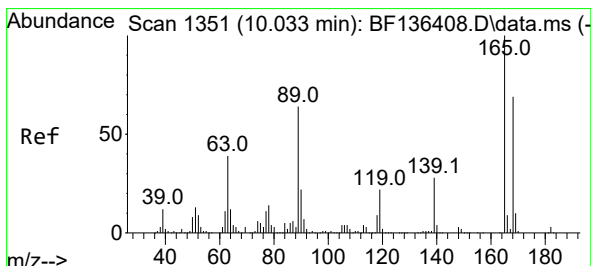
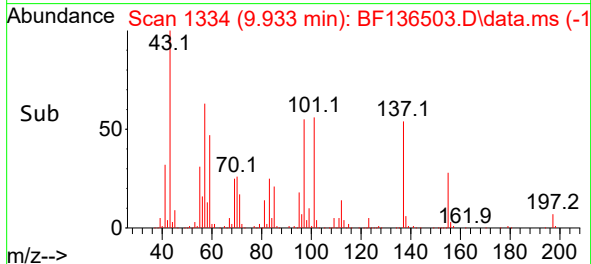
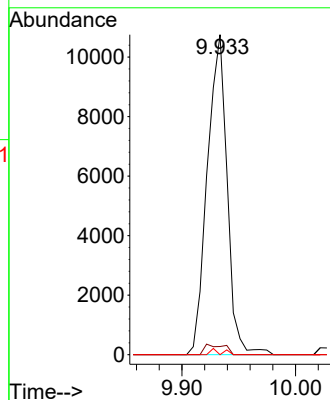
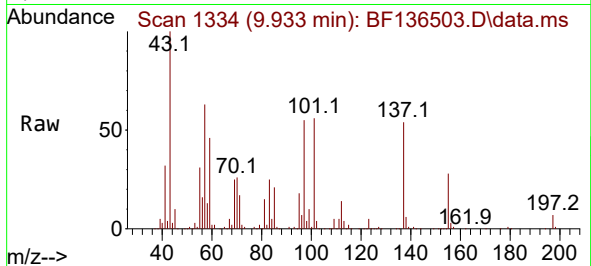




#53
3-Nitroaniline
Concen: 3.239 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.135 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

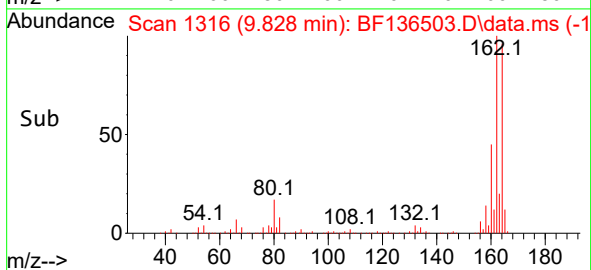
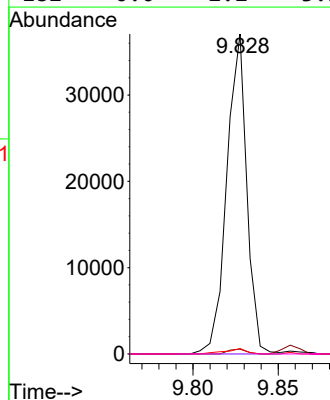
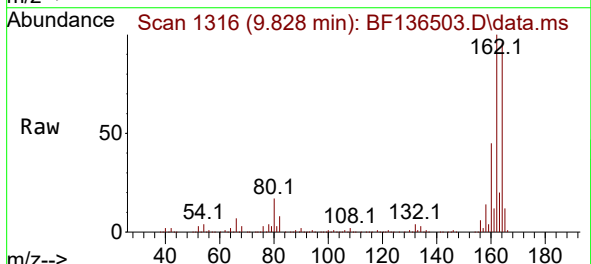
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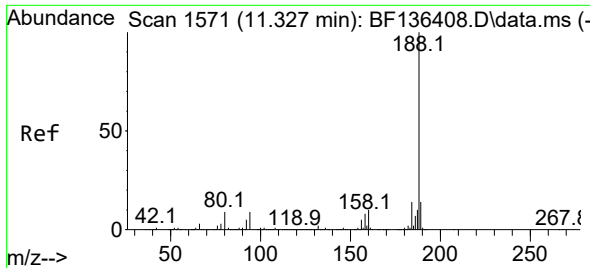
Tgt Ion:138 Resp: 13046
Ion Ratio Lower Upper
138 100
108 2.5 8.5 12.7#
92 0.0 86.1 129.1#



#57
2,4-Dinitrotoluene
Concen: 5.800 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.206 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:165 Resp: 30264
Ion Ratio Lower Upper
165 100
63 1.5 31.4 47.2#
89 1.7 51.7 77.5#
182 0.0 2.2 3.2#

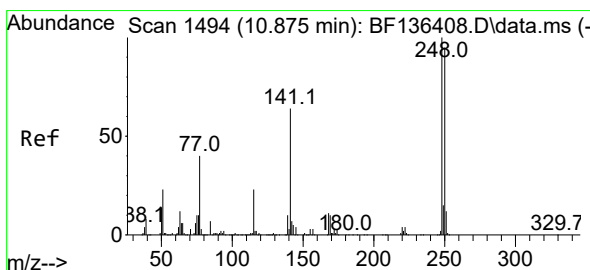
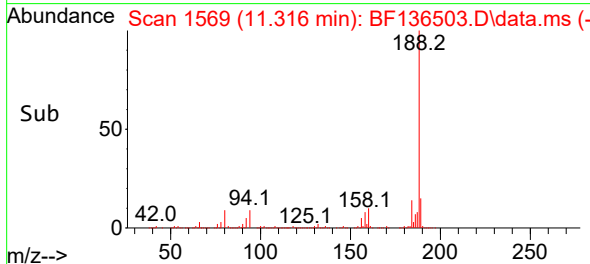
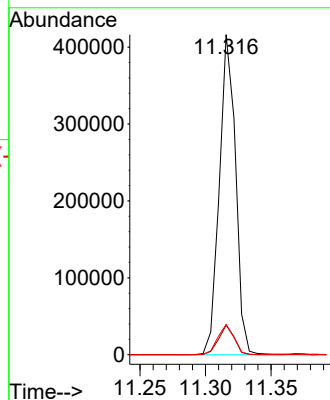
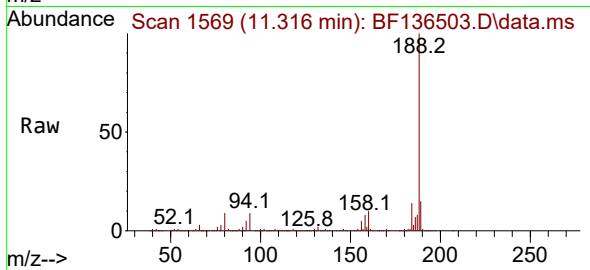




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

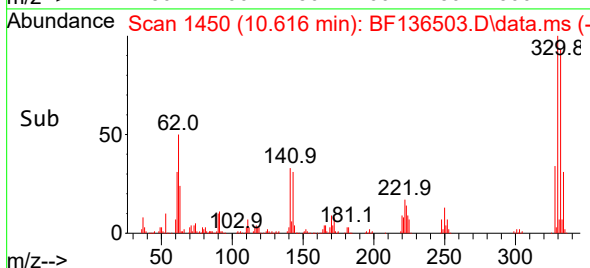
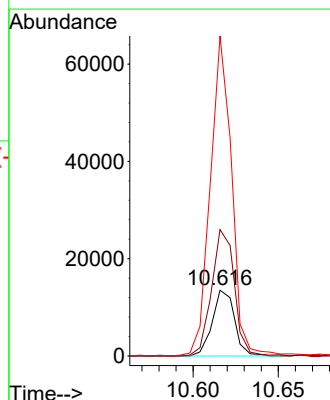
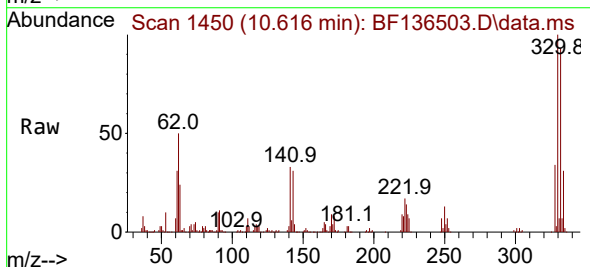
Instrument :
BNA_F
ClientSampleId :
TP-35

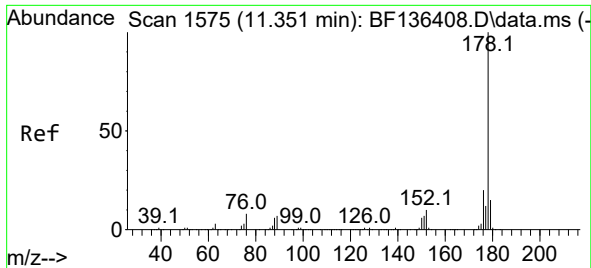
Tgt Ion:188 Resp: 357100
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.5 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 2.945 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.259 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:248 Resp: 12226
Ion Ratio Lower Upper
248 100
250 192.2 76.2 114.2#
141 486.6 51.0 76.4#

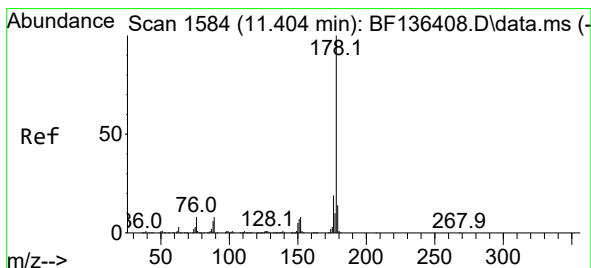
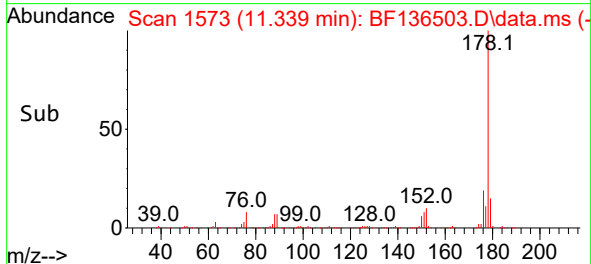
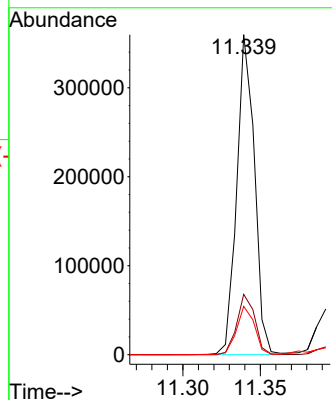
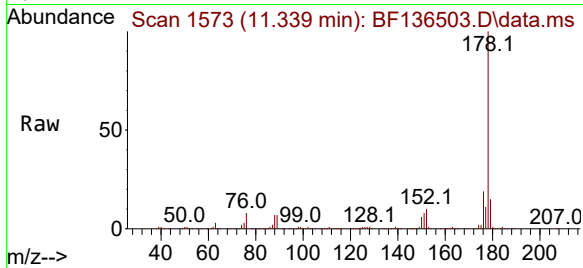




#71
Phenanthrene
Concen: 14.569 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

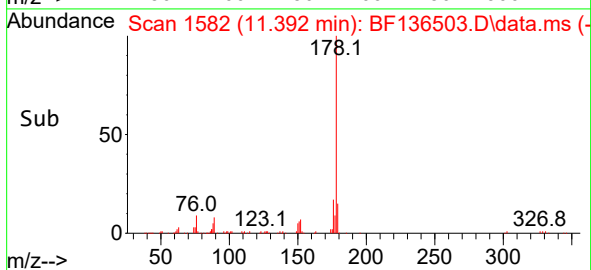
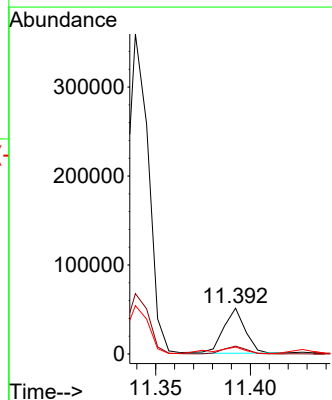
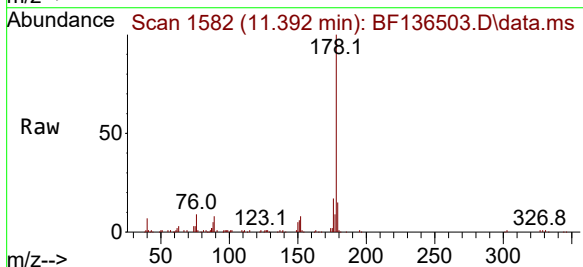
Instrument :
BNA_F
ClientSampleId :
TP-35

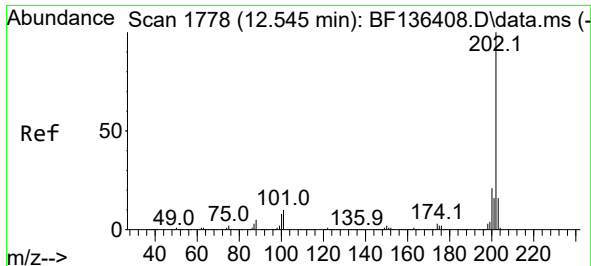
Tgt Ion:178 Resp: 285949
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.1 11.8 17.6



#72
Anthracene
Concen: 2.055 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:178 Resp: 40627
Ion Ratio Lower Upper
178 100
176 17.2 15.3 22.9
179 14.9 11.4 17.0

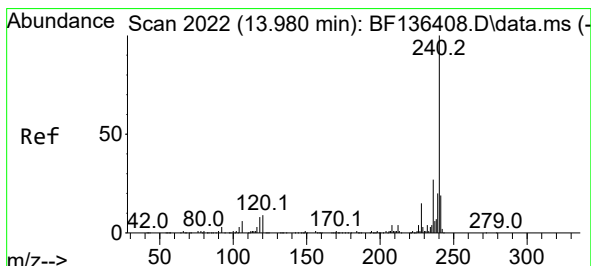
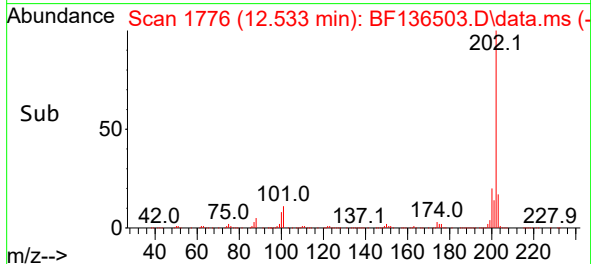
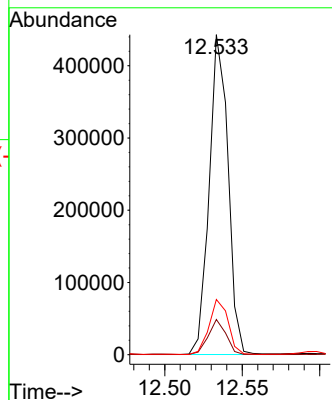
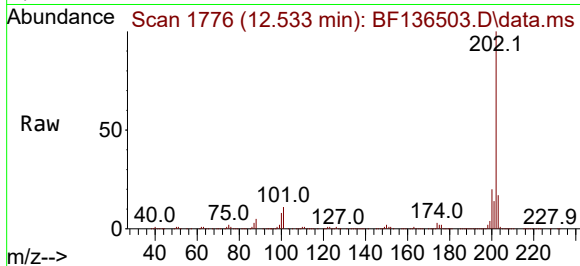




#75
Fluoranthene
Concen: 18.244 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

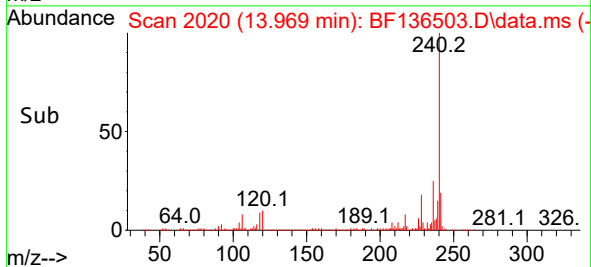
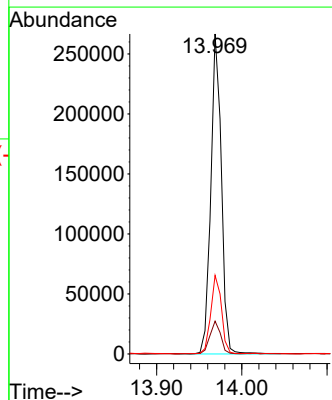
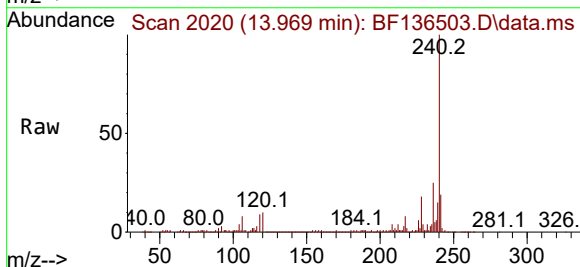
Instrument :
BNA_F
ClientSampleId :
TP-35

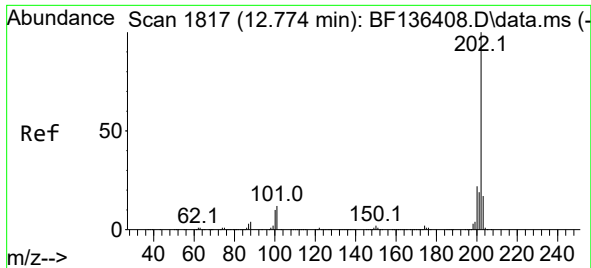
Tgt Ion:202 Resp: 375257
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.9
203 17.2 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:240 Resp: 229649
Ion Ratio Lower Upper
240 100
120 10.2 7.3 10.9
236 24.6 21.3 31.9

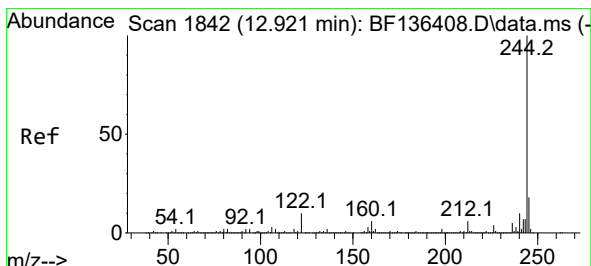
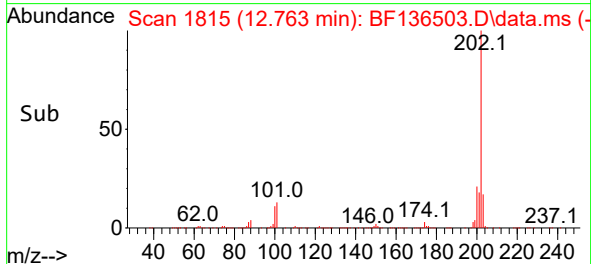
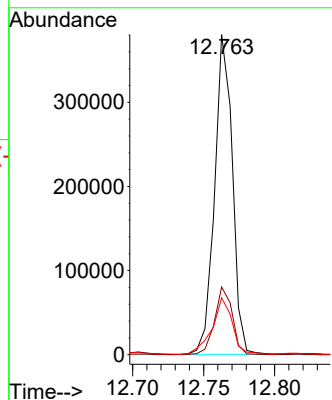
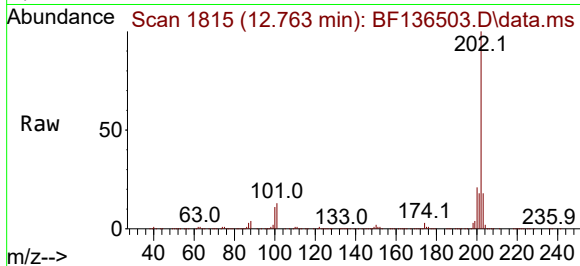




#78
 Pyrene
 Concen: 14.689 ng
 RT: 12.763 min Scan# 1815
 Delta R.T. -0.012 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

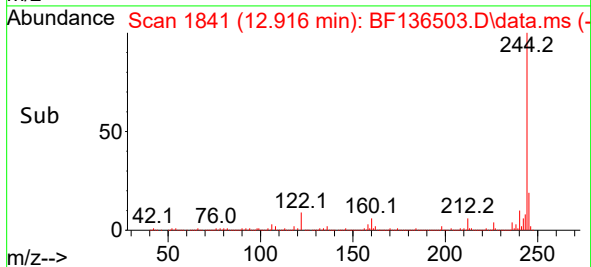
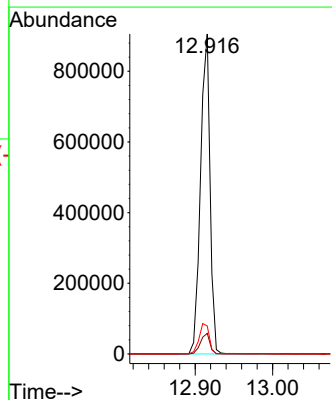
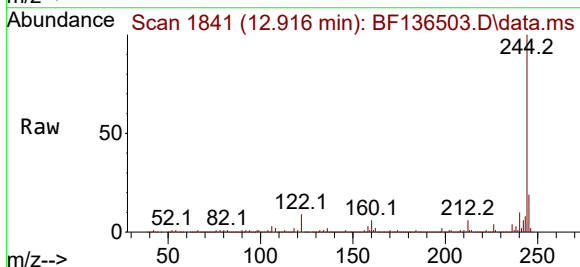
Instrument :
 BNA_F
 ClientSampleId :
 TP-35

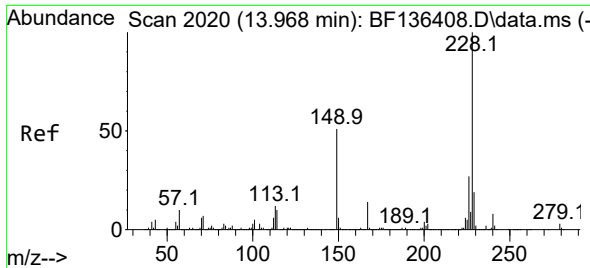
Tgt Ion:202 Resp: 330359
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.0 27.0
 203 17.8 13.5 20.3



#79
 Terphenyl-d14
 Concen: 44.254 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

Tgt Ion:244 Resp: 771054
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 8.8 8.3 12.5

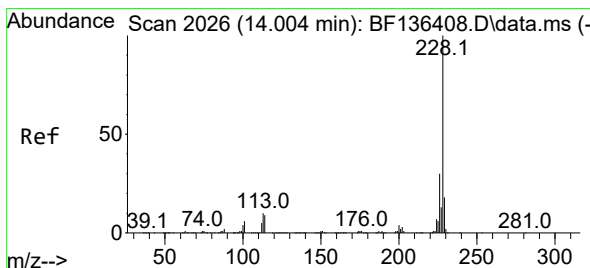
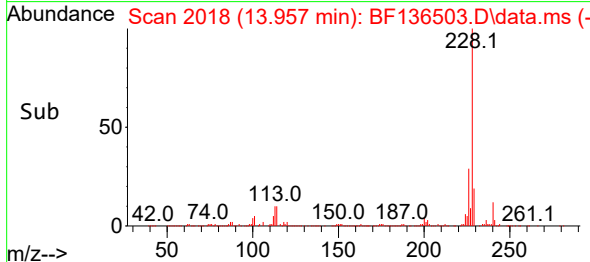
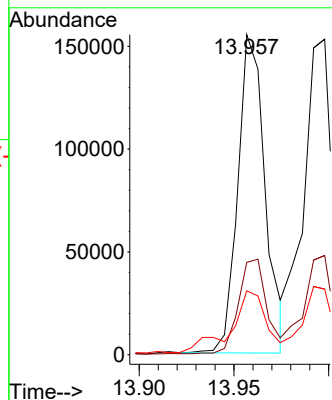
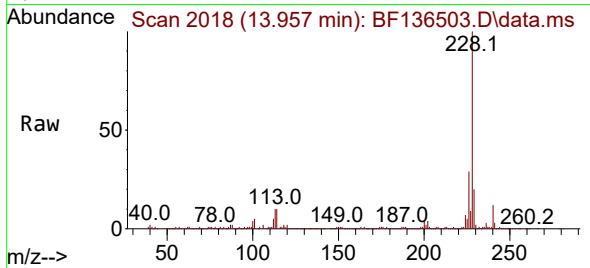




#81
Benzo(a)anthracene
Concen: 9.710 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

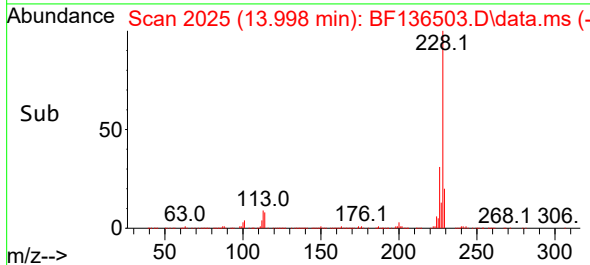
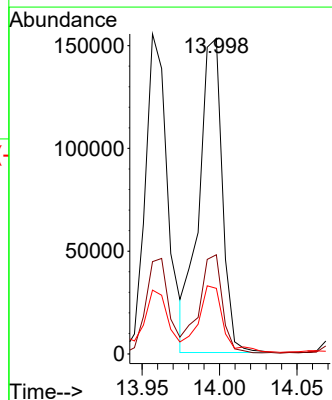
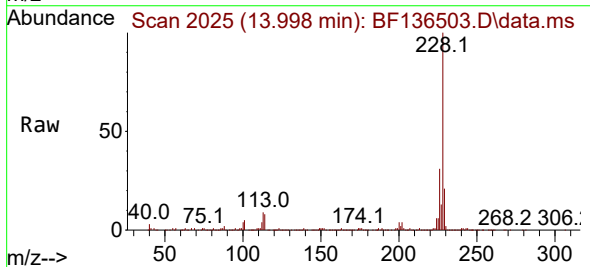
Instrument :
BNA_F
ClientSampleId :
TP-35

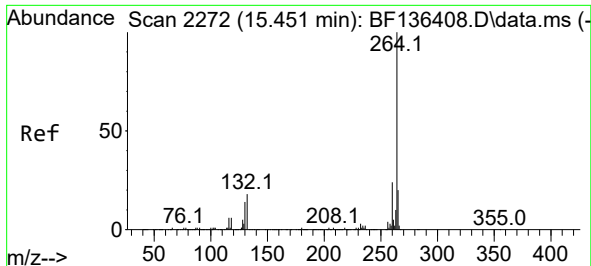
Tgt Ion:228 Resp: 155327
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.8
229 19.9 15.0 22.4



#83
Chrysene
Concen: 10.197 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:228 Resp: 160487
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.6
229 20.8 14.8 22.2



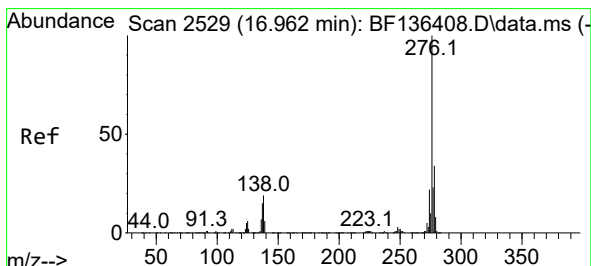
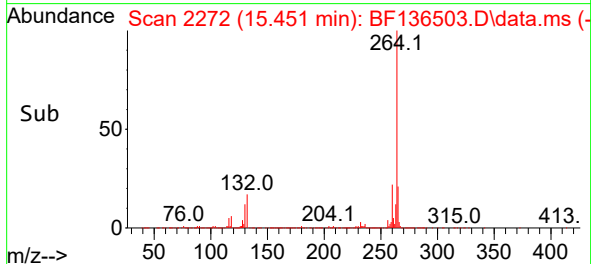
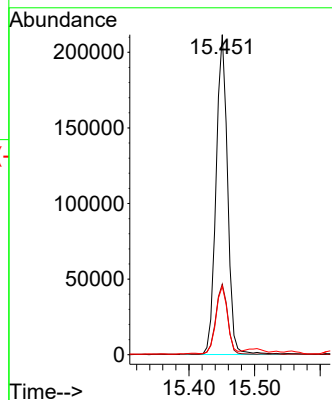
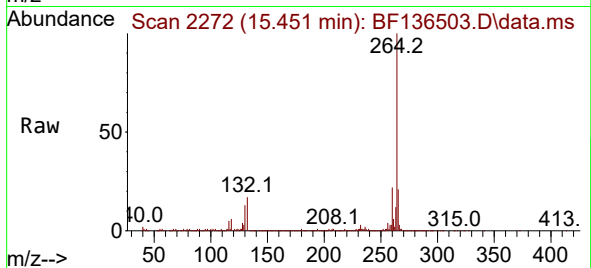


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:264 Resp: 258509

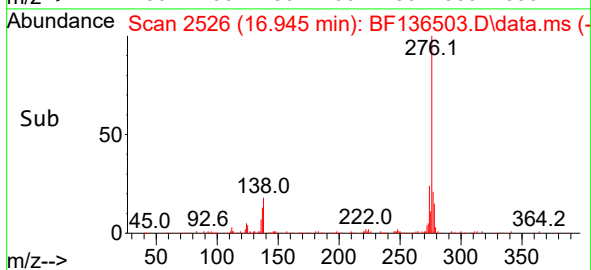
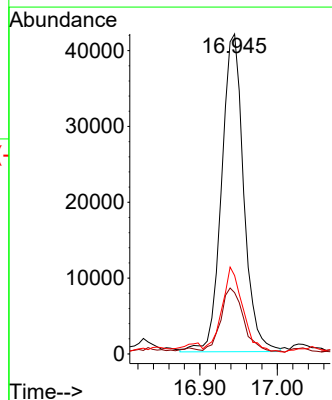
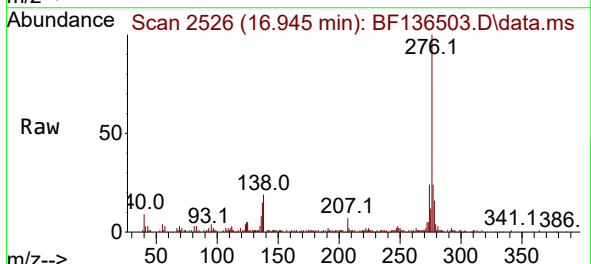
Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.4	15.9	23.9

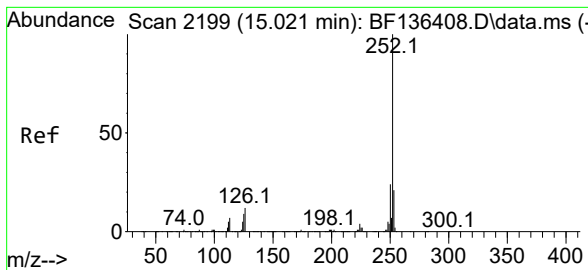


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.634 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:276 Resp: 83217

Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.0	28.4
277	25.2	20.0	30.0

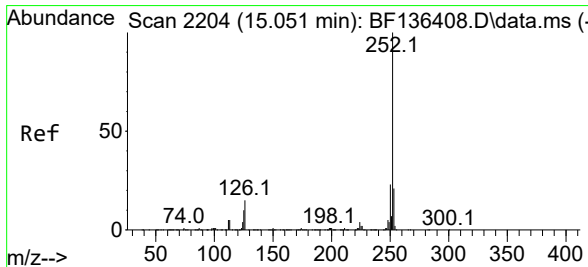
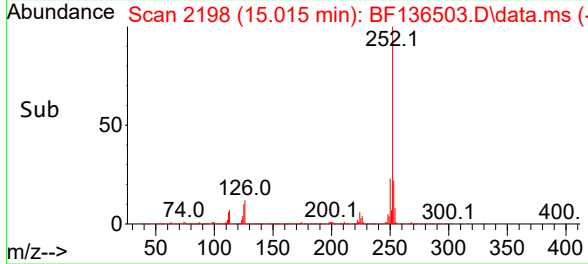
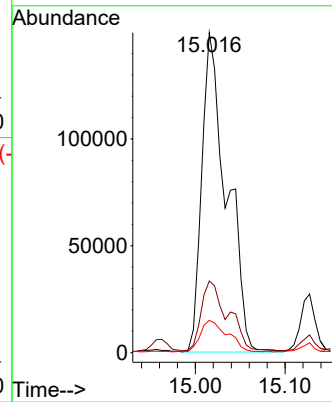
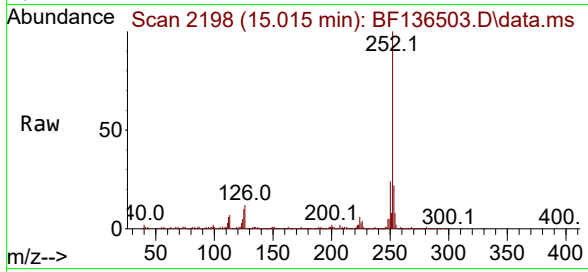




#88
Benzo(b)fluoranthene
Concen: 16.312 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

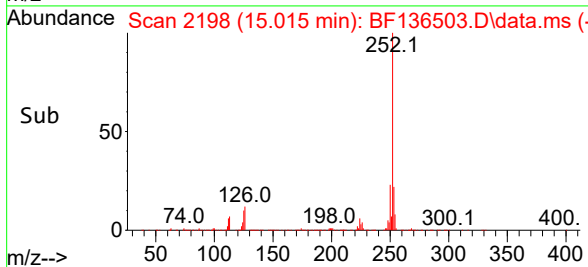
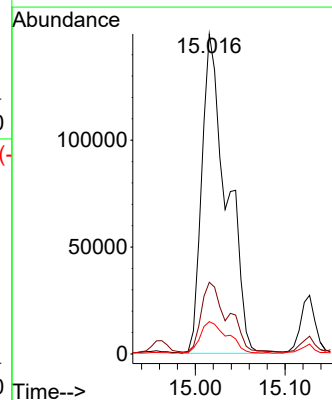
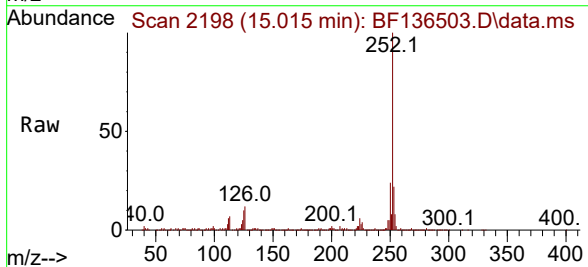
Instrument :
BNA_F
ClientSampleId :
TP-35

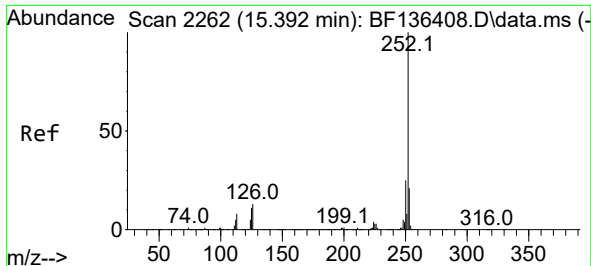
Tgt Ion:252 Resp: 288312
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 10.1 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 17.309 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:252 Resp: 288312
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 10.1 7.5 11.3

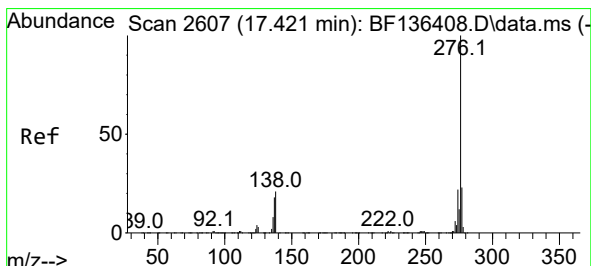
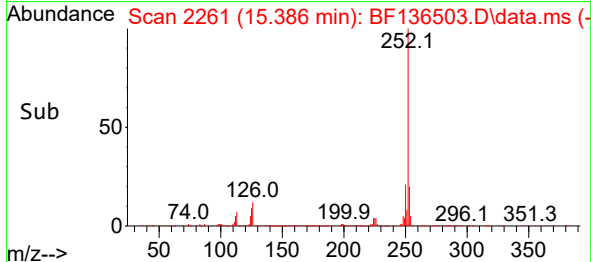
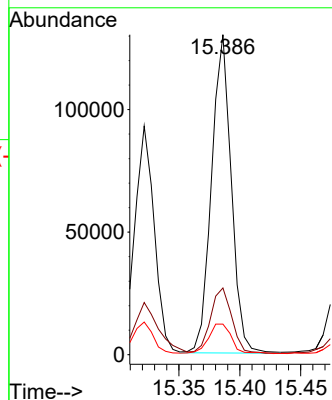
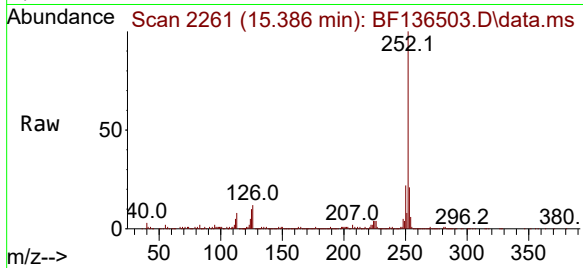




#90
Benzo(a)pyrene
Concen: 10.071 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:252 Resp: 147010
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.4
125 9.6 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 4.839 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.023 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:276 Resp: 73078
Ion Ratio Lower Upper
276 100
277 24.6 18.7 28.1
138 21.4 16.6 25.0

