

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138555.D
 Acq On : 12 Jul 2024 19:37
 Operator : CG\JU
 Sample : P3183-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N28660

Quant Time: Jul 12 23:13:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

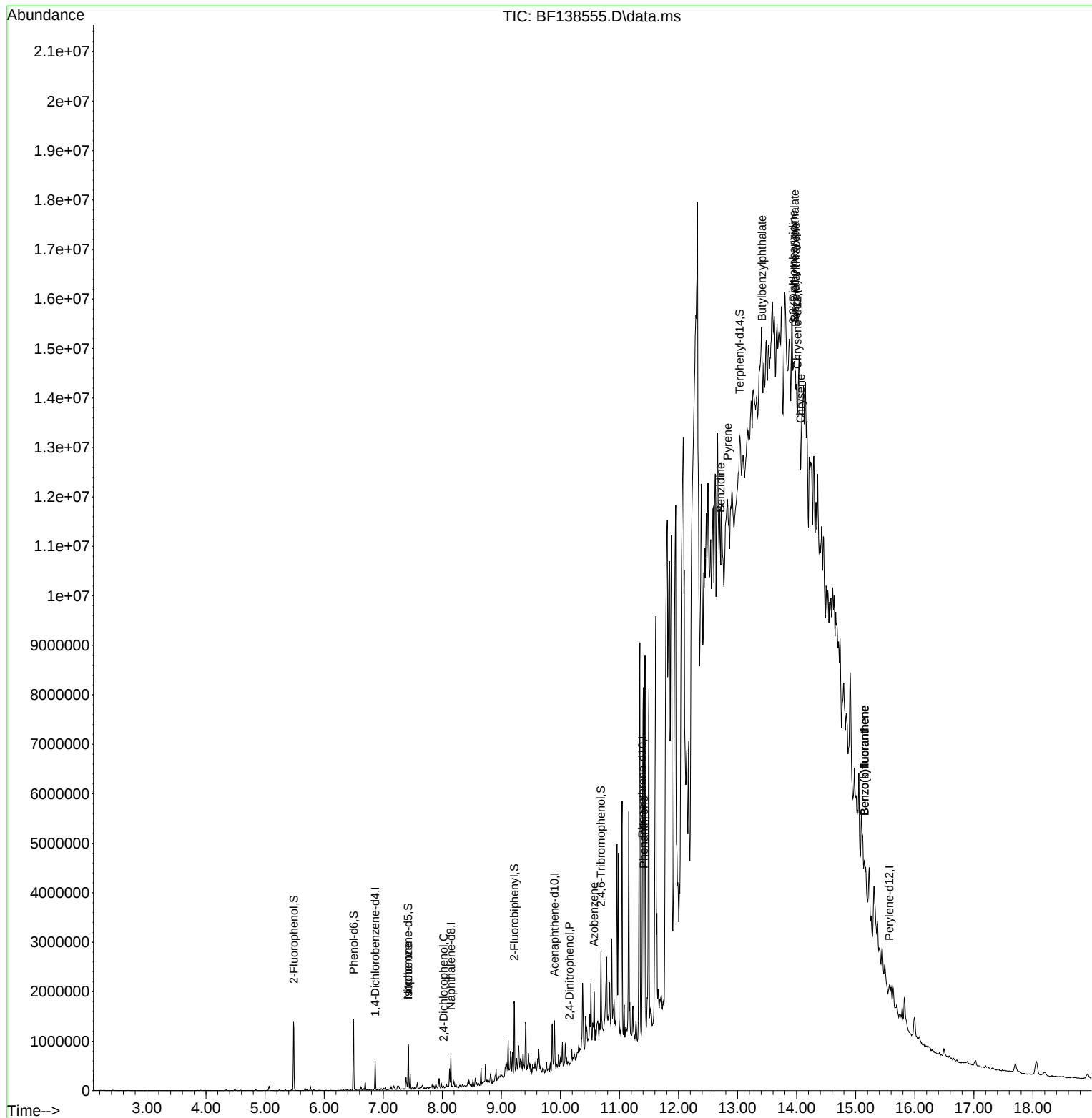
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	67151	20.000	ng	0.00
21) Naphthalene-d8	8.146	136	231316	20.000	ng	0.00
39) Acenaphthene-d10	9.899	164	112365	20.000	ng	0.00
64) Phenanthrene-d10	11.387	188	188919	20.000	ng	0.00
76) Chrysene-d12	14.010	240	20426	20.000	ng	#-0.02
86) Perylene-d12	15.569	264	90856	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	334720	78.944	ng	0.00
7) Phenol-d6	6.499	99	417641	74.044	ng	0.00
23) Nitrobenzene-d5	7.422	82	247231	52.476	ng	-0.01
42) 2,4,6-Tribromophenol	10.687	330	76678	73.015	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	399759	55.603	ng	0.00
79) Terphenyl-d14	13.034	244	219765	175.278	ng	0.06
Target Compounds						
						Qvalue
25) Isophorone	7.422	82	243633	30.112	ng	# 68
29) 2,4-Dichlorophenol	8.022	162	7097	2.167	ng	99
54) 2,4-Dinitrophenol	10.151	184	76	4.748	ng	# 1
63) Azobenzene	10.569	77	15431	2.049	ng	# 1
71) Phenanthrene	11.410	178	25195	2.640	ng	# 84
77) Benzidine	12.710	184	4406	8.550	ng	# 1
78) Pyrene	12.834	202	6608	3.187	ng	# 1
80) Butylbenzylphthalate	13.416	149	2391	3.833	ng	# 1
81) Benzo(a)anthracene	13.981	228	4435	3.236	ng	# 1
82) 3,3'-Dichlorobenzidine	13.945	252	20568	58.239	ng	# 59
83) Chrysene	14.069	228	7785	6.004	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.969	149	4568	6.867	ng	# 1
88) Benzo(b)fluoranthene	15.151	252	13034	2.547	ng	# 1
89) Benzo(k)fluoranthene	15.151	252	13034	2.612	ng	# 1

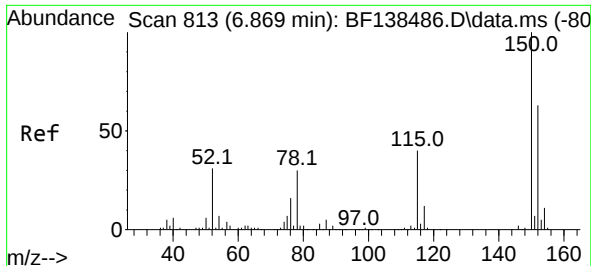
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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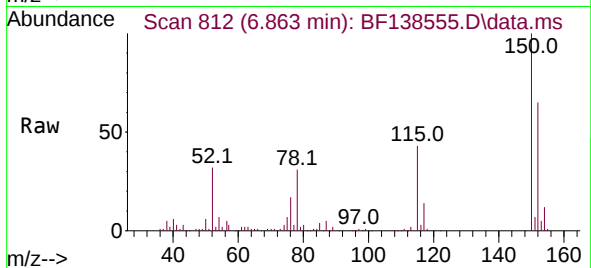
Quant Time: Jul 12 23:13:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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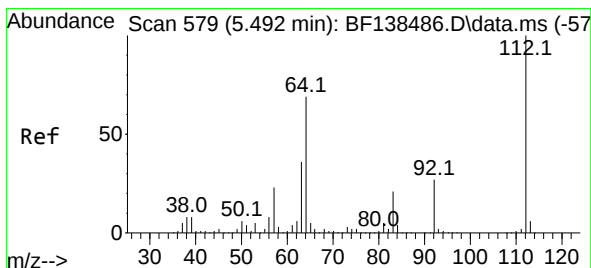
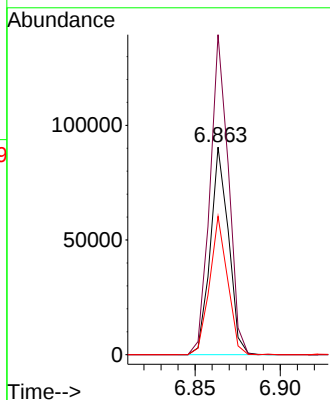
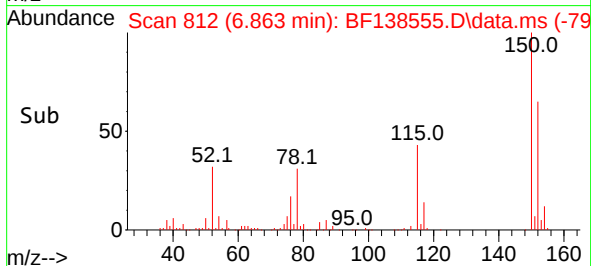


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

Instrument :
BNA_F
ClientSampleId :
N28660

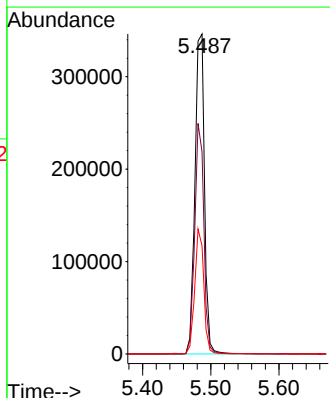
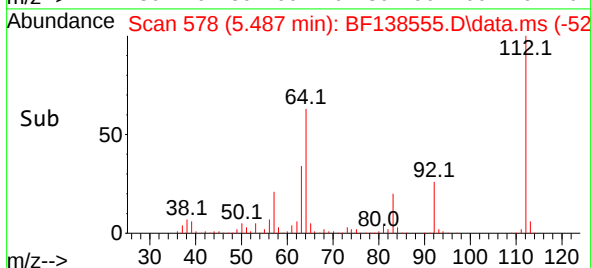
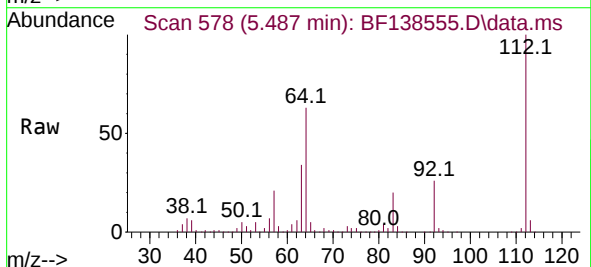


Tgt Ion:152 Resp: 67151
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 66.7 50.3 75.5



#5
2-Fluorophenol
Concen: 78.944 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.005 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

Tgt Ion:112 Resp: 334720
Ion Ratio Lower Upper
112 100
64 63.1 55.1 82.7
63 33.8 29.0 43.6

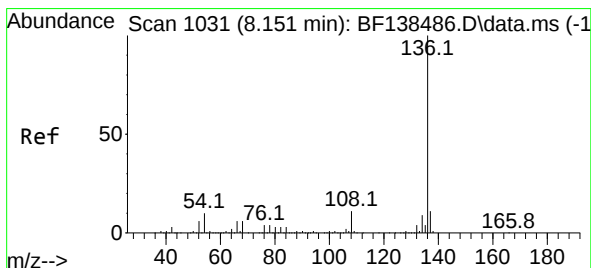
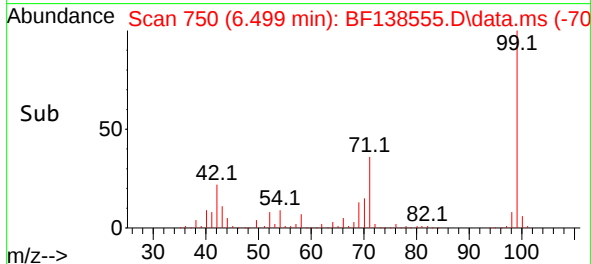
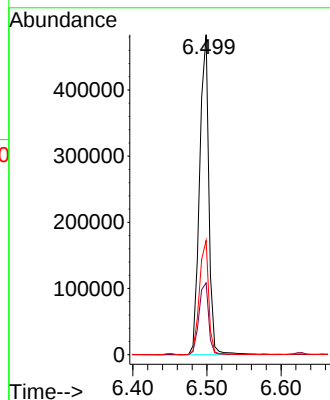
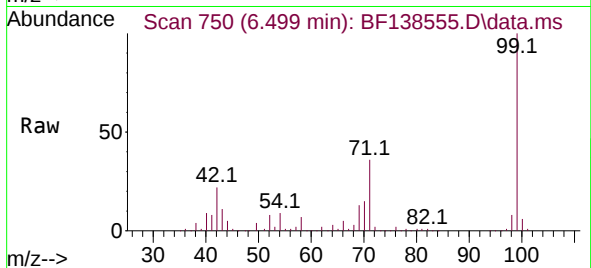




#7
Phenol-d6
Concen: 74.044 ng
RT: 6.499 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

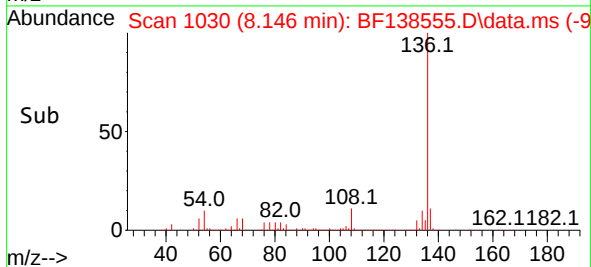
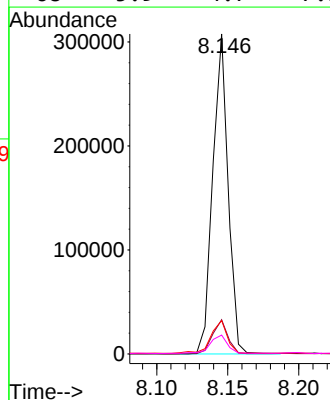
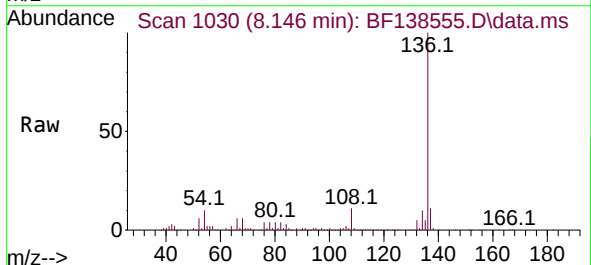
Instrument :
BNA_F
ClientSampleId :
N28660

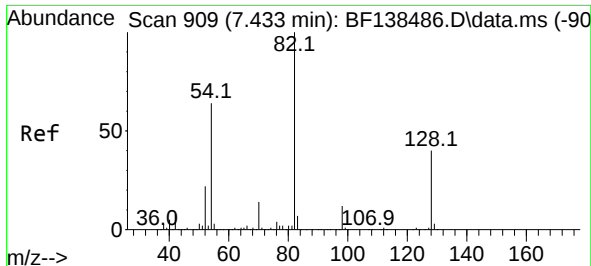
Tgt Ion: 99 Resp: 417641
Ion Ratio Lower Upper
99 100
42 22.4 19.7 29.5
71 35.7 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.146 min Scan# 1030
Delta R.T. -0.005 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

Tgt Ion: 136 Resp: 231316
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.4 8.1 12.1
68 5.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 52.476 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.011 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

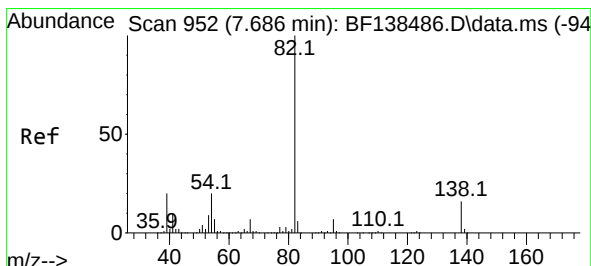
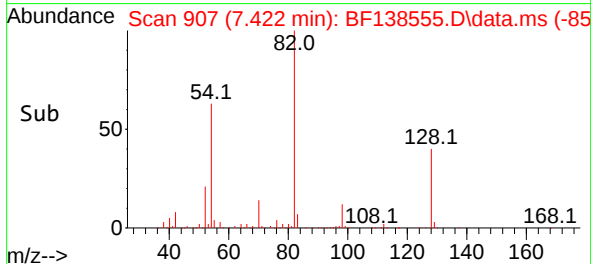
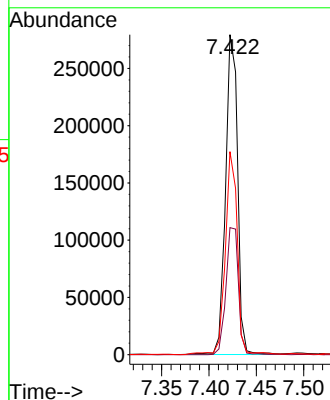
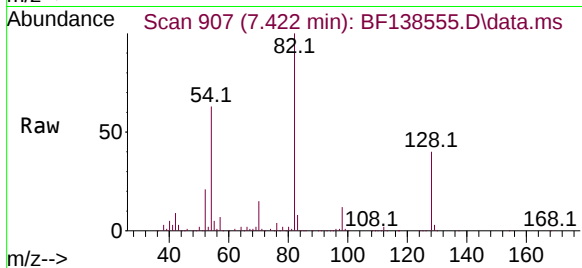
Tgt Ion: 82 Resp: 247231

Ion Ratio Lower Upper

82 100

128 39.7 32.3 48.5

54 63.5 51.4 77.0



#25

Isophorone

Concen: 30.112 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.264 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

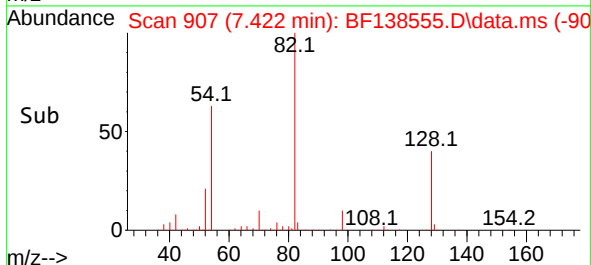
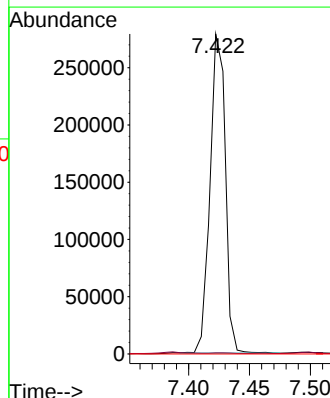
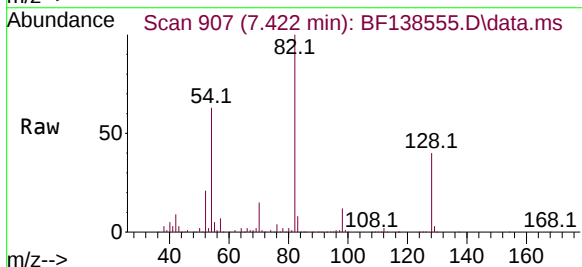
Tgt Ion: 82 Resp: 243633

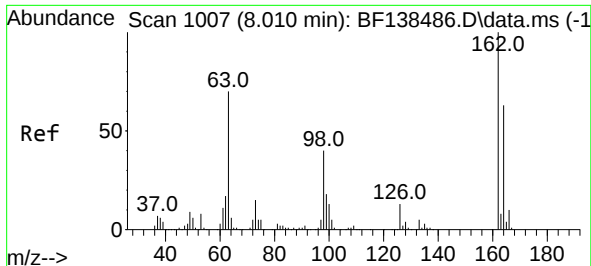
Ion Ratio Lower Upper

82 100

95 0.3 6.0 9.0#

138 0.0 12.8 19.2#





#29

2,4-Dichlorophenol

Concen: 2.167 ng

RT: 8.022 min Scan# 1009

Delta R.T. 0.012 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

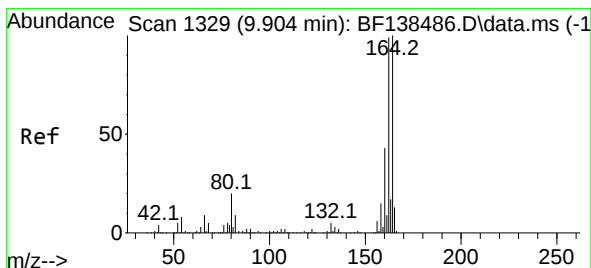
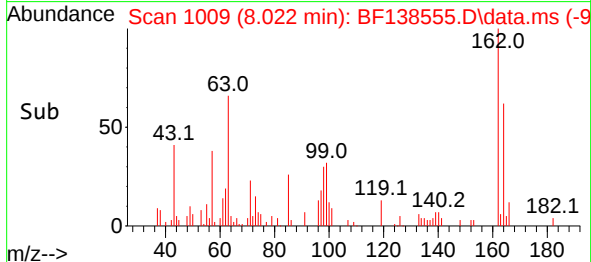
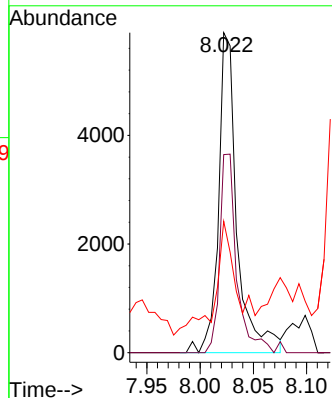
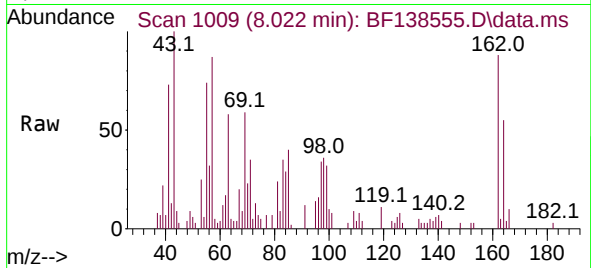
Tgt Ion:162 Resp: 7097

Ion Ratio Lower Upper

162 100

164 61.9 42.6 82.6

98 41.1 20.1 60.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.899 min Scan# 1328

Delta R.T. -0.005 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

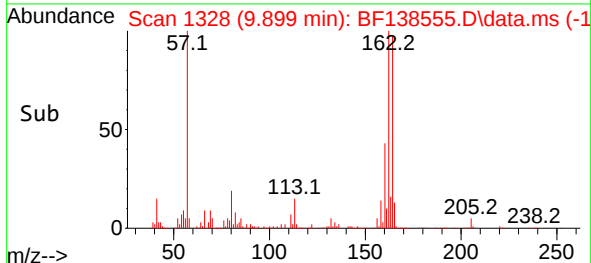
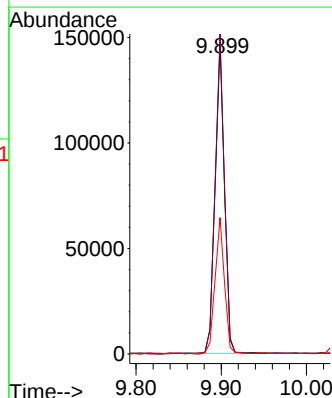
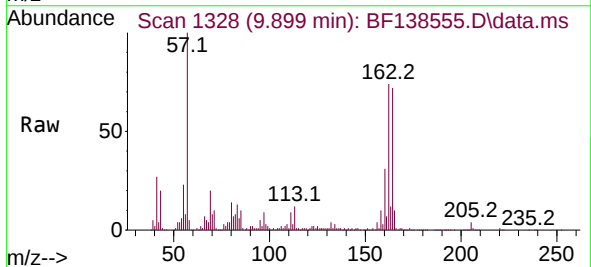
Tgt Ion:164 Resp: 112365

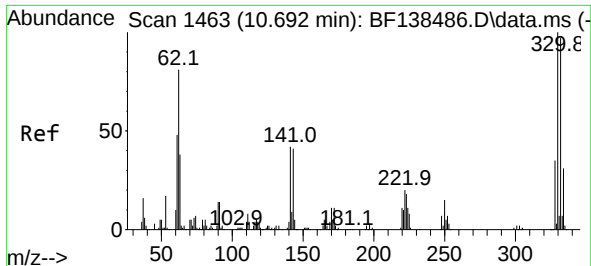
Ion Ratio Lower Upper

164 100

162 103.1 79.0 118.6

160 43.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 73.015 ng

RT: 10.687 min Scan# 1462

Delta R.T. -0.005 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

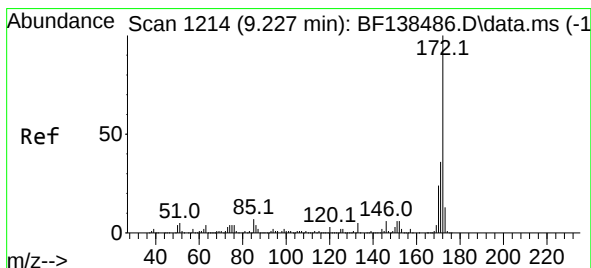
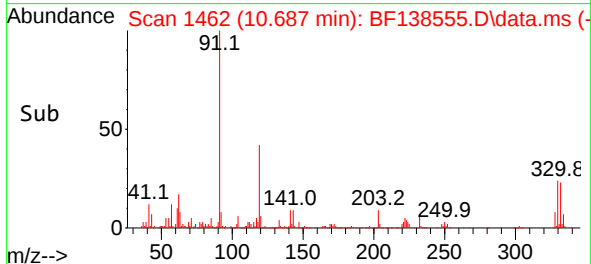
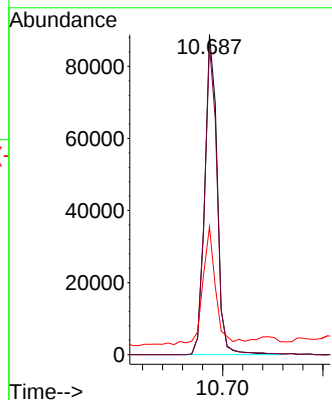
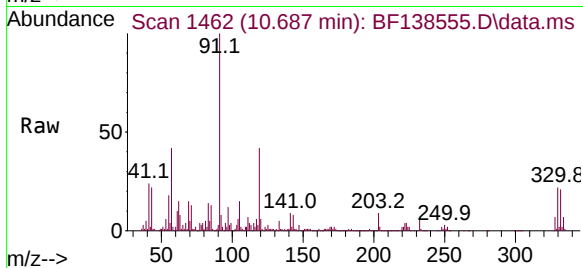
Tgt Ion:330 Resp: 76678

Ion Ratio Lower Upper

330 100

332 97.6 76.8 115.2

141 40.9 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 55.603 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.005 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

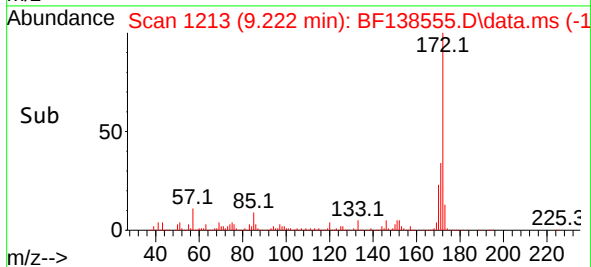
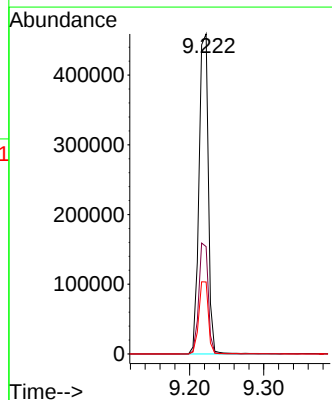
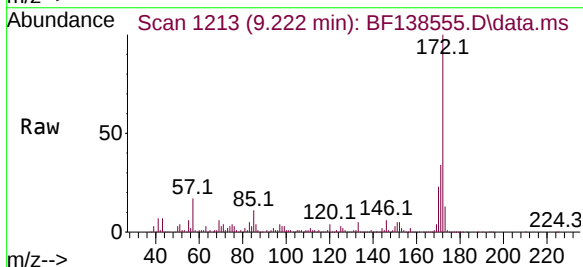
Tgt Ion:172 Resp: 399759

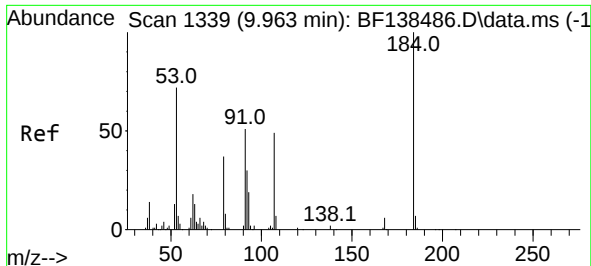
Ion Ratio Lower Upper

172 100

171 33.6 28.9 43.3

170 22.5 18.9 28.3

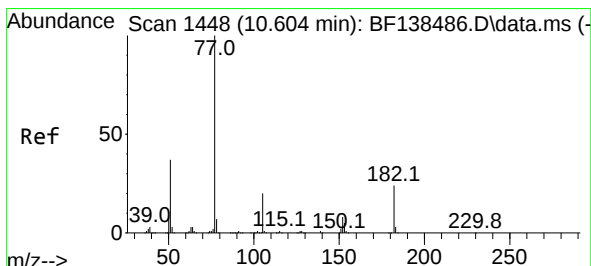
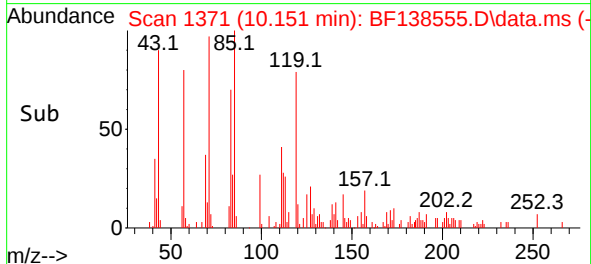
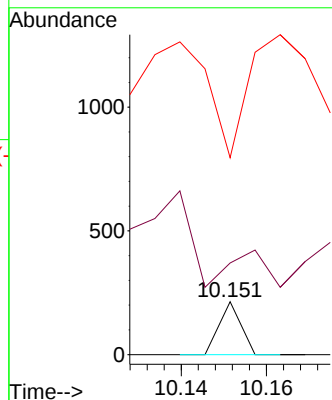
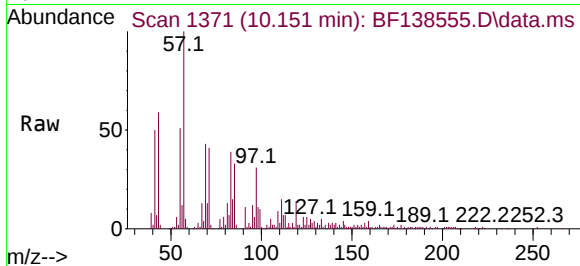




#54
2,4-Dinitrophenol
Concen: 4.748 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

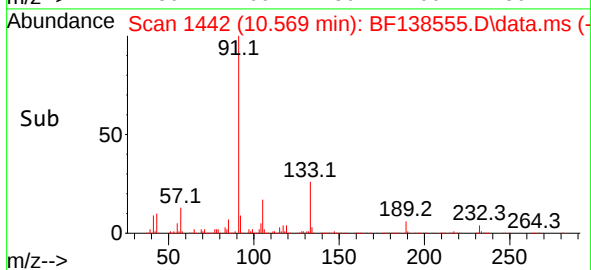
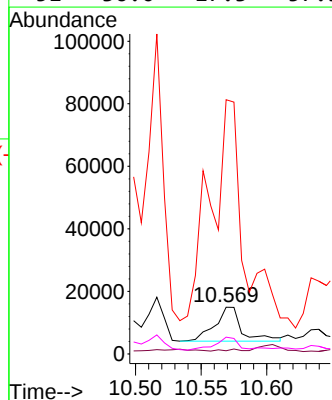
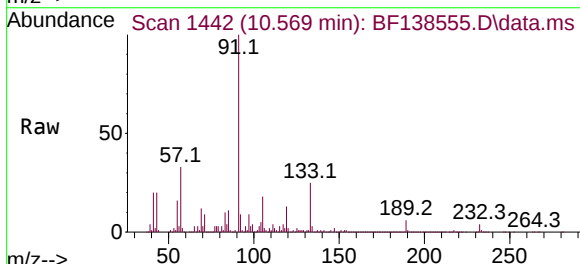
Instrument :
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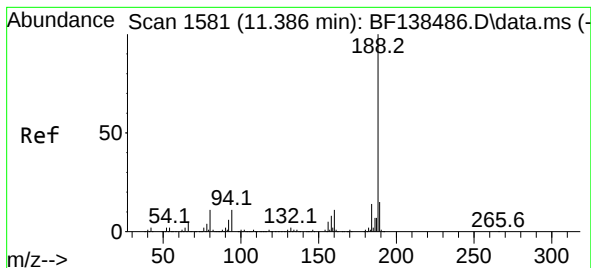
Tgt Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 172.9 70.6 106.0#
154 372.0 53.8 80.6#



#63
Azobenzene
Concen: 2.049 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.035 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

Tgt Ion: 77 Resp: 15431
Ion Ratio Lower Upper
77 100
182 7.0 3.8 43.8
105 544.0 0.0 39.8#
51 36.0 17.3 57.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.387 min Scan# 11

Delta R.T. 0.001 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

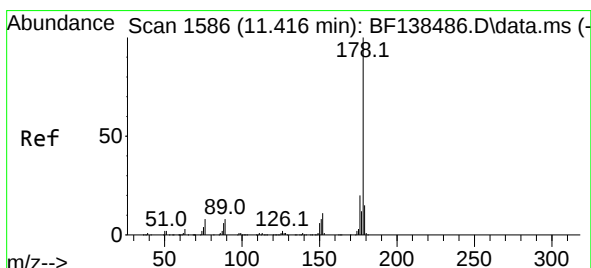
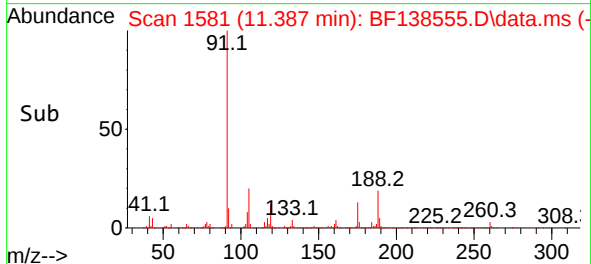
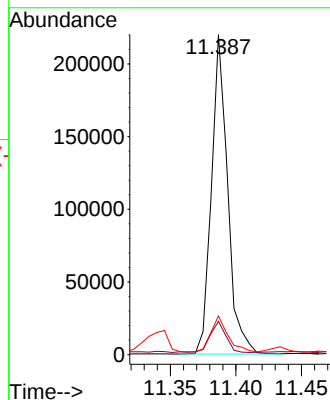
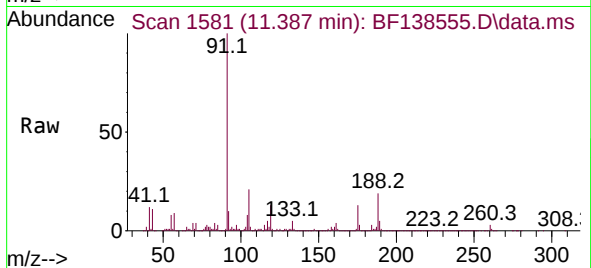
Tgt Ion:188 Resp: 188919

Ion Ratio Lower Upper

188 100

94 10.4 8.7 13.1

80 12.1 9.0 13.4



#71

Phenanthrene

Concen: 2.640 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.005 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

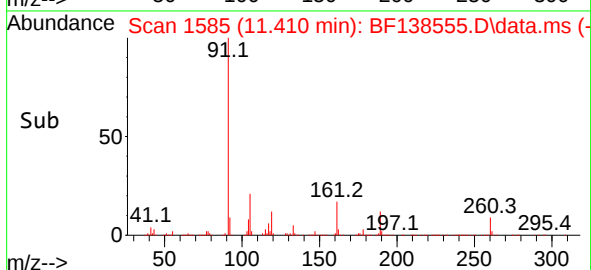
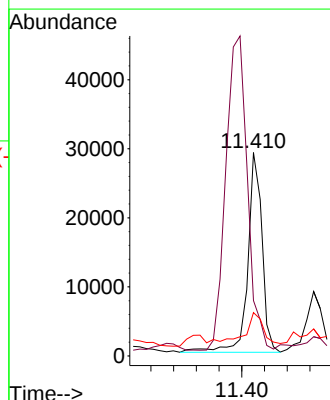
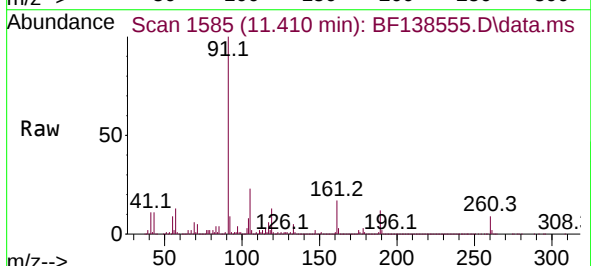
Tgt Ion:178 Resp: 25195

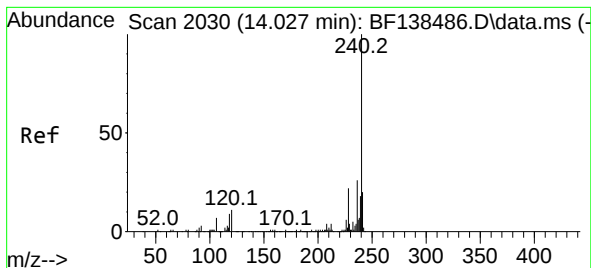
Ion Ratio Lower Upper

178 100

176 27.2 15.7 23.5#

179 21.3 12.2 18.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2030

Delta R.T. -0.017 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

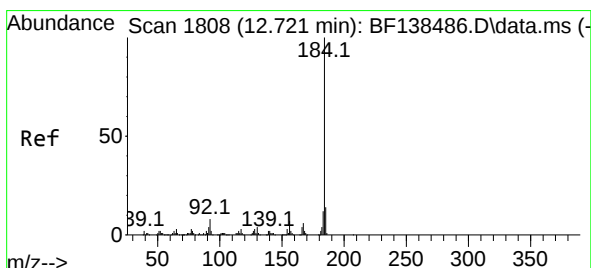
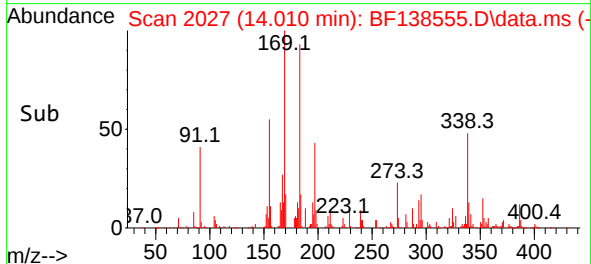
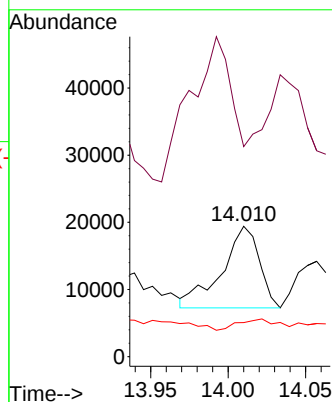
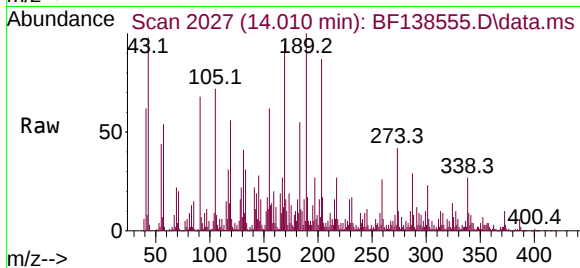
Tgt Ion:240 Resp: 20426

Ion Ratio Lower Upper

240 100

120 161.1 8.6 12.8#

236 26.1 21.0 31.6



#77

Benzidine

Concen: 8.550 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.011 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

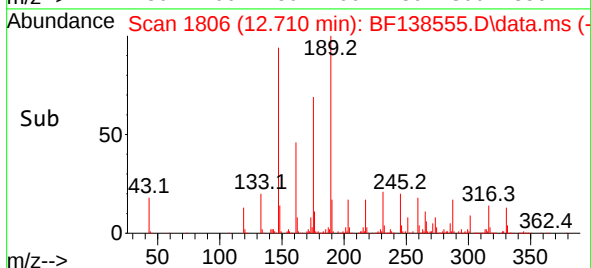
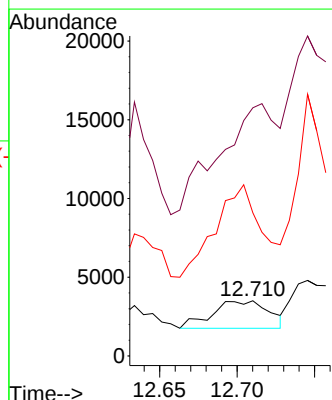
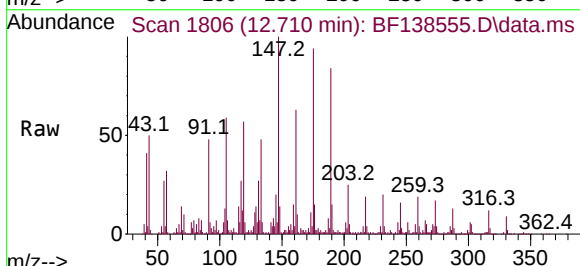
Tgt Ion:184 Resp: 4406

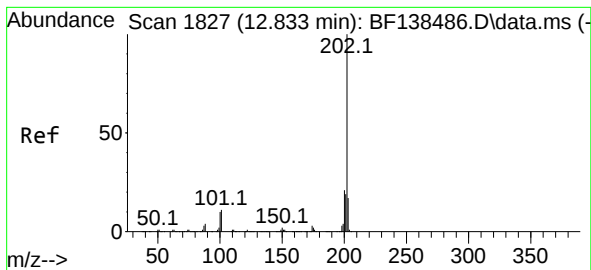
Ion Ratio Lower Upper

184 100

185 450.0 11.3 16.9#

183 259.7 9.5 14.3#





#78

Pyrene

Concen: 3.187 ng

RT: 12.834 min Scan# 1827

Delta R.T. 0.001 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

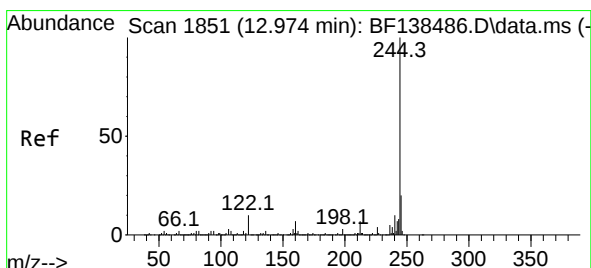
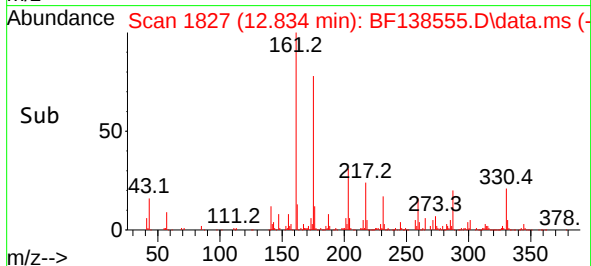
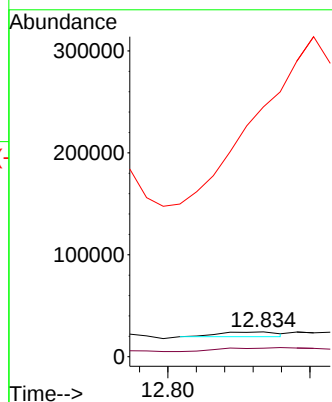
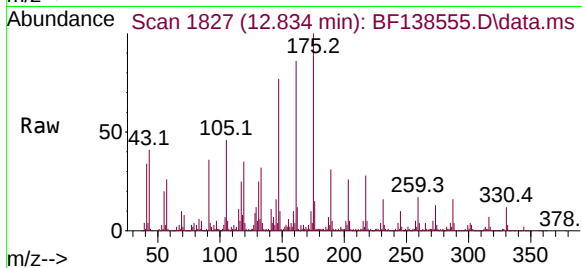
BNA_F

ClientSampleId :

N28660

Tgt Ion:202 Resp: 6608

Ion	Ratio	Lower	Upper
202	100		
200	34.5	17.0	25.6#
203	1009.2	13.7	20.5#



#79

Terphenyl-d14

Concen: 175.278 ng

RT: 13.034 min Scan# 1861

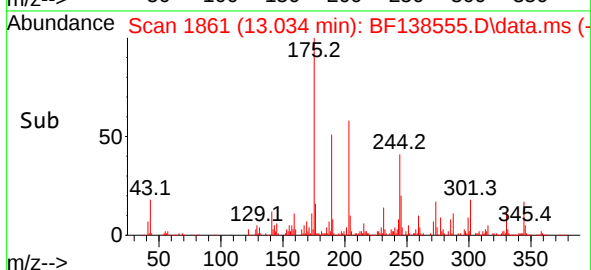
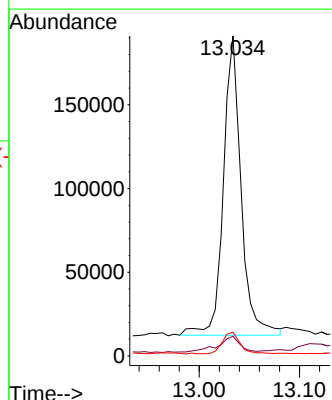
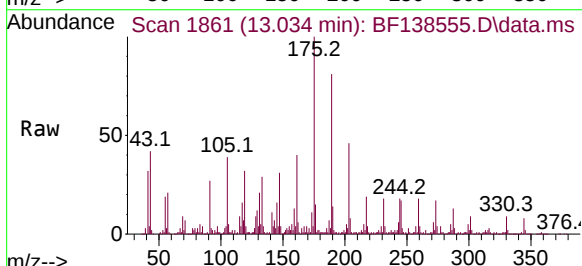
Delta R.T. 0.059 min

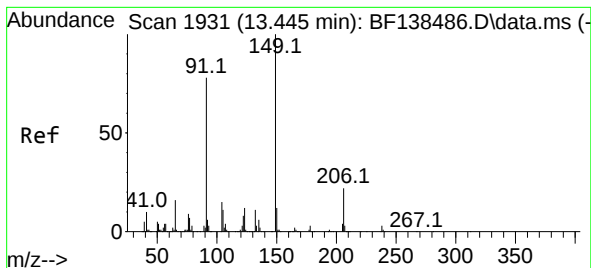
Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Tgt Ion:244 Resp: 219765

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.5	8.3
122	7.5	7.8	11.8#





#80

Butylbenzylphthalate

Concen: 3.833 ng

RT: 13.416 min Scan# 1931

Delta R.T. -0.029 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

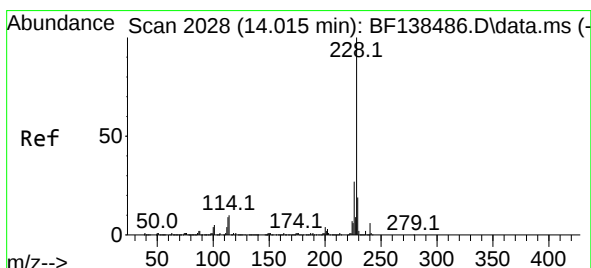
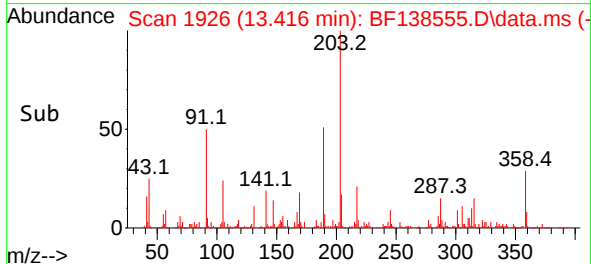
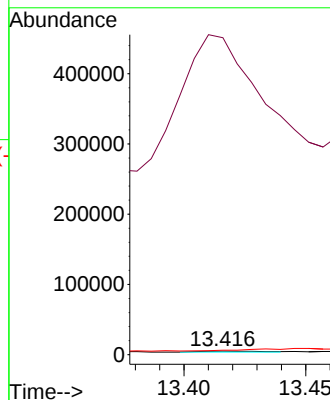
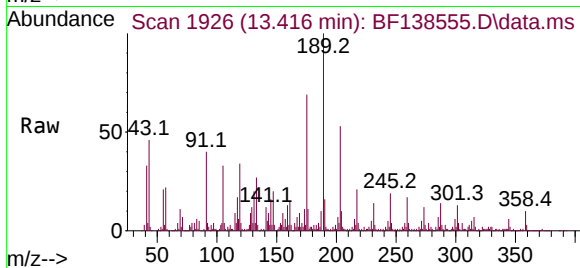
Tgt Ion:149 Resp: 2391

Ion Ratio Lower Upper

149 100

91 9028.1 62.1 93.1#

206 129.2 18.0 27.0#



#81

Benzo(a)anthracene

Concen: 3.236 ng

RT: 13.981 min Scan# 2022

Delta R.T. -0.035 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

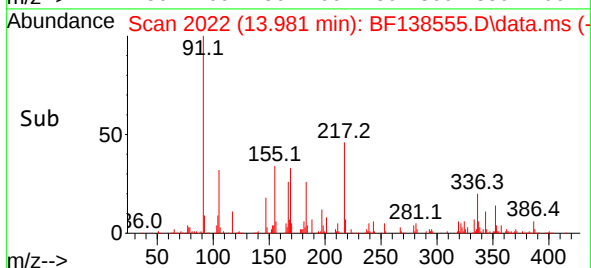
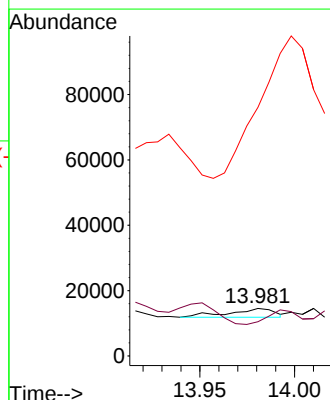
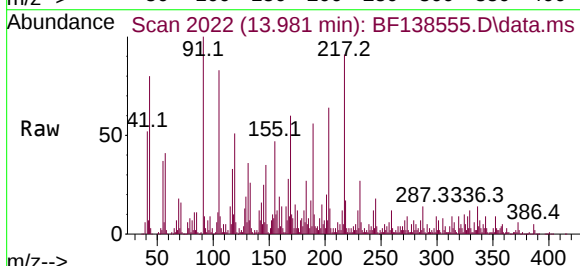
Tgt Ion:228 Resp: 4435

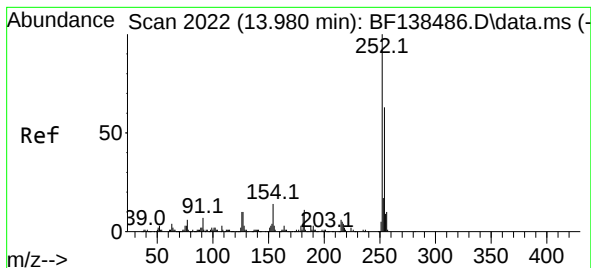
Ion Ratio Lower Upper

228 100

226 72.0 21.9 32.9#

229 522.7 15.5 23.3#





#82

3,3'-Dichlorobenzidine

Concen: 58.239 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.035 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

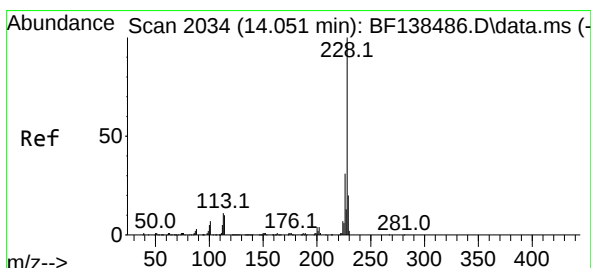
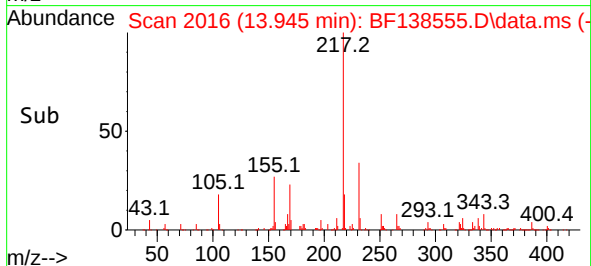
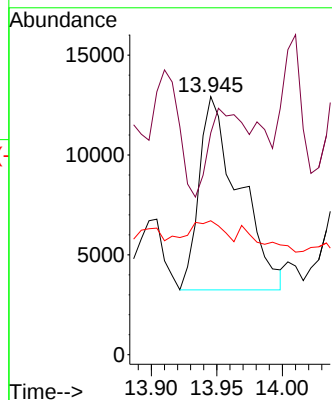
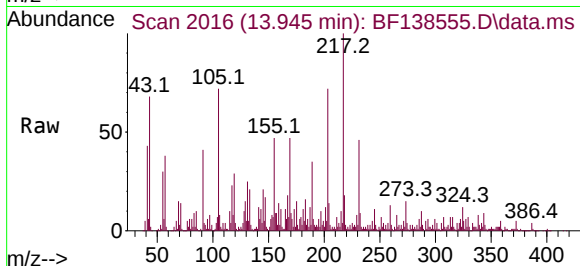
Tgt Ion:252 Resp: 20568

Ion Ratio Lower Upper

252 100

254 85.9 50.3 75.5#

126 51.9 8.1 12.1#



#83

Chrysene

Concen: 6.004 ng

RT: 14.069 min Scan# 2037

Delta R.T. 0.018 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

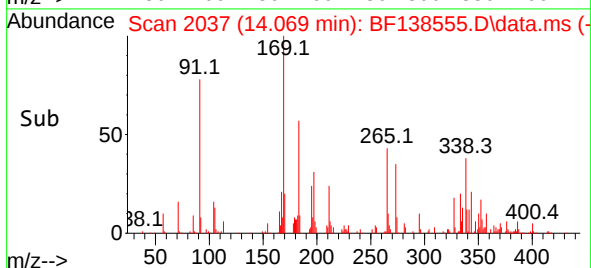
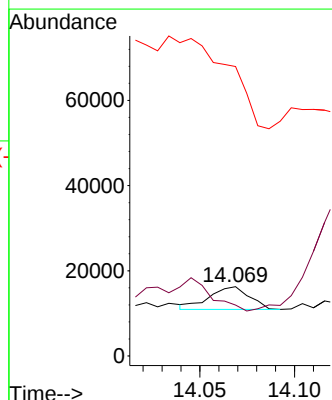
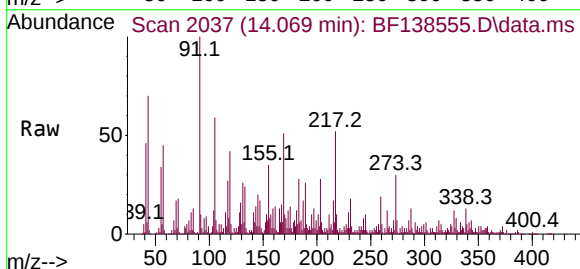
Tgt Ion:228 Resp: 7785

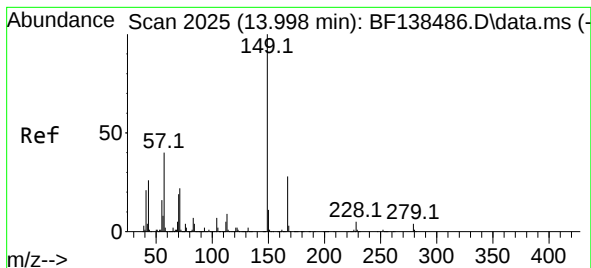
Ion Ratio Lower Upper

228 100

226 73.4 24.4 36.6#

229 418.1 16.0 24.0#

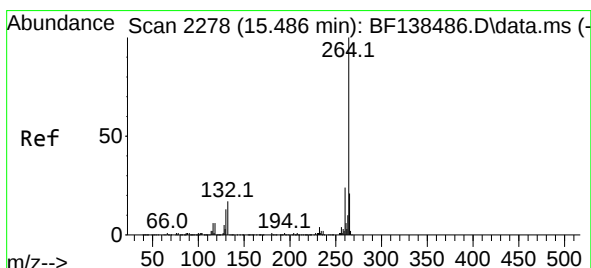
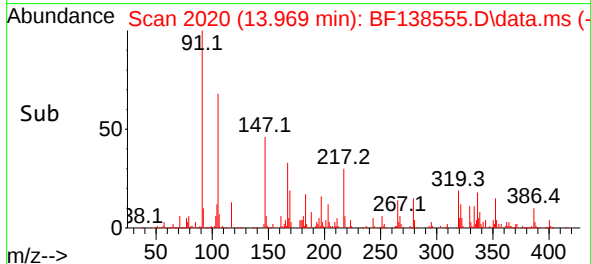
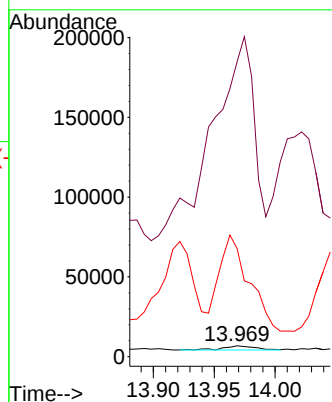
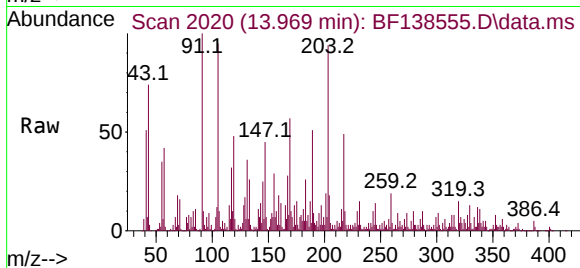




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.867 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

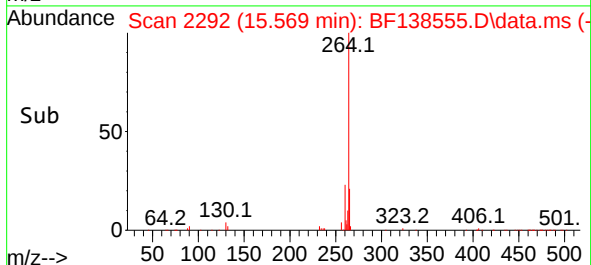
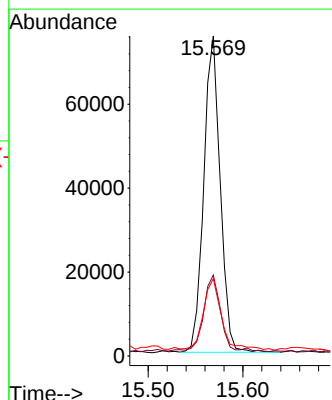
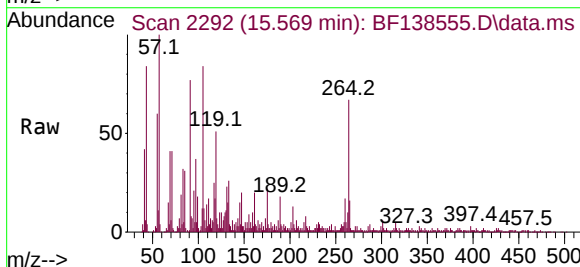
Instrument :
BNA_F
ClientSampleId :
N28660

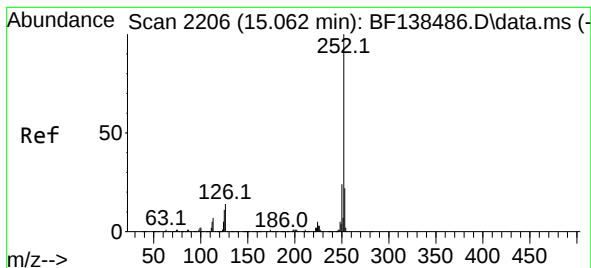
Tgt Ion:149 Resp: 4568
Ion Ratio Lower Upper
149 100
167 2711.8 22.5 33.7#
279 991.6 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 2292
Delta R.T. 0.083 min
Lab File: BF138555.D
Acq: 12 Jul 2024 19:37

Tgt Ion:264 Resp: 90856
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.6
265 24.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.547 ng

RT: 15.151 min Scan# 2211

Delta R.T. 0.089 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

N28660

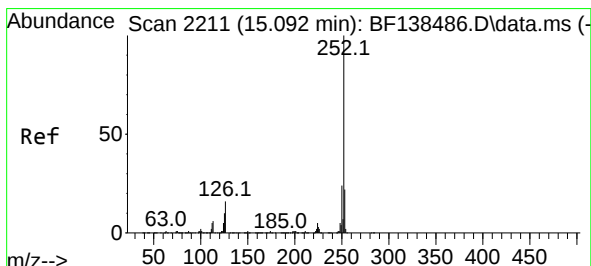
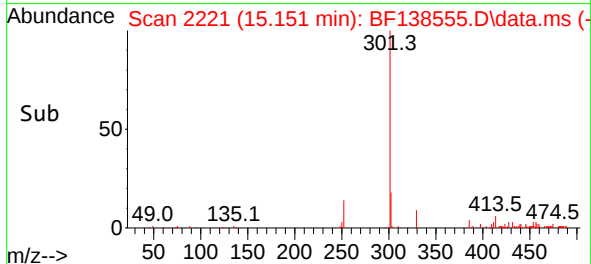
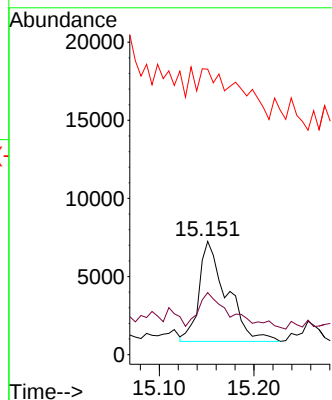
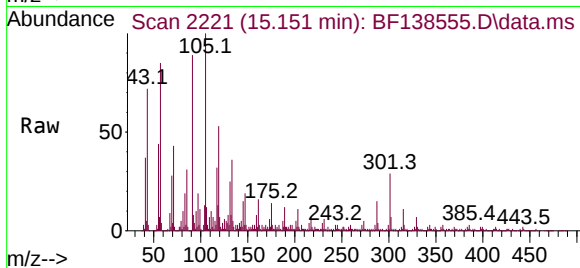
Tgt Ion:252 Resp: 13034

Ion Ratio Lower Upper

252 100

253 54.8 17.3 25.9#

125 251.9 8.6 13.0#



#89

Benzo(k)fluoranthene

Concen: 2.612 ng

RT: 15.151 min Scan# 2221

Delta R.T. 0.059 min

Lab File: BF138555.D

Acq: 12 Jul 2024 19:37

Tgt Ion:252 Resp: 13034

Ion Ratio Lower Upper

252 100

253 54.8 17.7 26.5#

125 251.9 8.1 12.1#

