

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141575.D
 Acq On : 11 Feb 2025 21:04
 Operator : RC/JU
 Sample : Q1345-01 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-021025

Quant Time: Feb 12 00:10:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

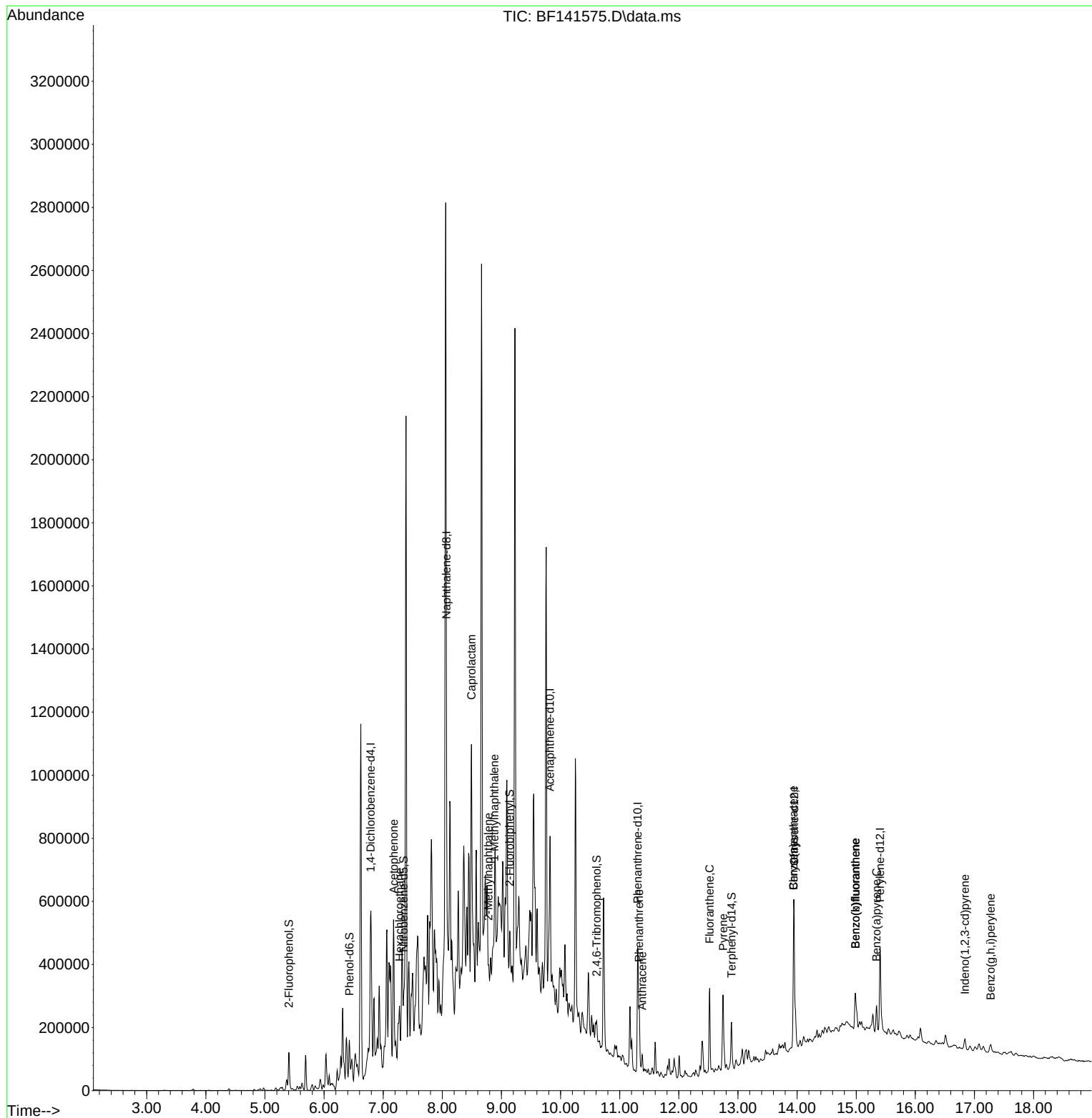
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	74843	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	271464	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	132547	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	206995	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	186829	20.000	ng	-0.01
86) Perylene-d12	15.404	264	154700	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	50371	10.551	ng	0.00
7) Phenol-d6	6.428	99	61834	10.248	ng	-0.01
23) Nitrobenzene-d5	7.345	82	40487	7.779	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	11578	8.695	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	73260	8.515	ng	-0.01
79) Terphenyl-d14	12.892	244	70845	6.402	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.275	117	4599	2.233	ng	# 1
22) Acetophenone	7.181	105	61779	9.149	ng	# 41
35) Caprolactam	8.492	113	21405	17.640	ng	# 1
37) 2-Methylnaphthalene	8.780	142	24516	2.666	ng	98
38) 1-Methylnaphthalene	8.880	142	19986	2.244	ng	91
71) Phenanthrene	11.327	178	106331	9.332	ng	99
72) Anthracene	11.380	178	30009	2.620	ng	99
75) Fluoranthene	12.521	202	155258	12.852	ng	98
78) Pyrene	12.751	202	143018	8.992	ng	99
81) Benzo(a)anthracene	13.939	228	81246	6.542	ng	98
83) Chrysene	13.939	228	81246	7.085	ng	97
87) Indeno(1,2,3-cd)pyrene	16.839	276	23661	2.475	ng	100
88) Benzo(b)fluoranthene	14.986	252	92942	8.948	ng	# 93
89) Benzo(k)fluoranthene	14.986	252	92942	10.478	ng	# 95
90) Benzo(a)pyrene	15.345	252	47662	5.671	ng	# 94
92) Benzo(g,h,i)perylene	17.274	276	21635	2.669	ng	94

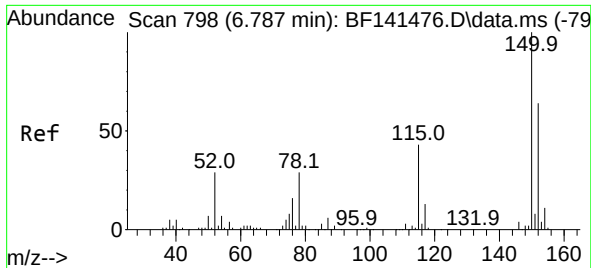
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
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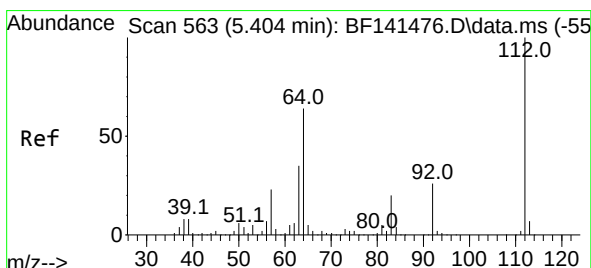
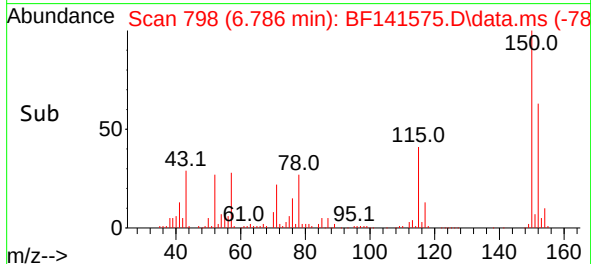
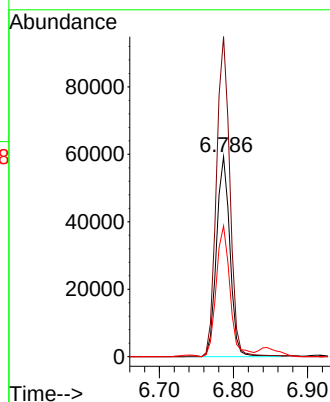
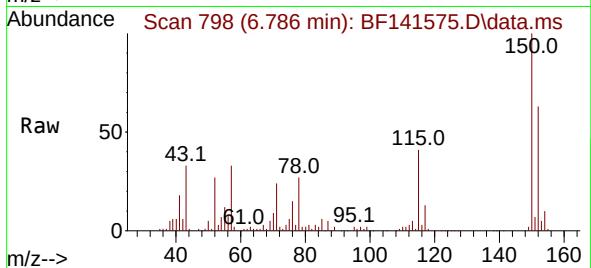




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

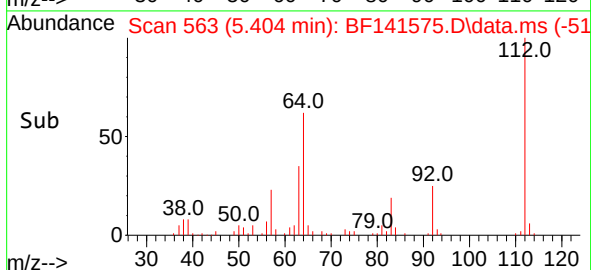
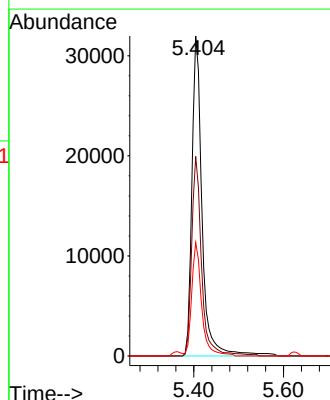
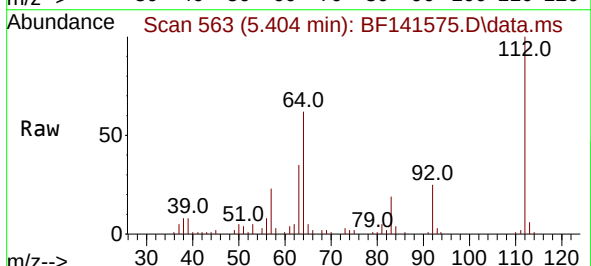
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

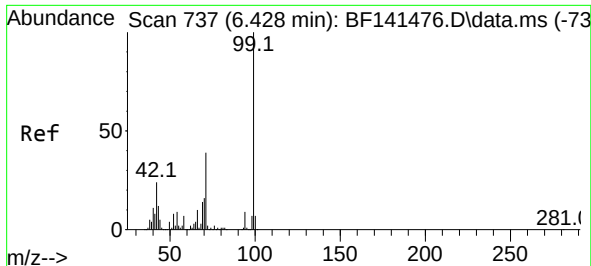
Tgt Ion:152 Resp: 74843
Ion Ratio Lower Upper
152 100
150 160.0 125.0 187.4
115 65.3 53.6 80.4



#5
2-Fluorophenol
Concen: 10.551 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:112 Resp: 50371
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 35.5 28.4 42.6





#7

Phenol-d6

Concen: 10.248 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

Instrument :

BNA_F

ClientSampleId :

EO-01-021025

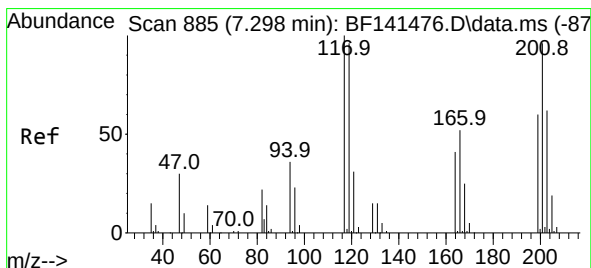
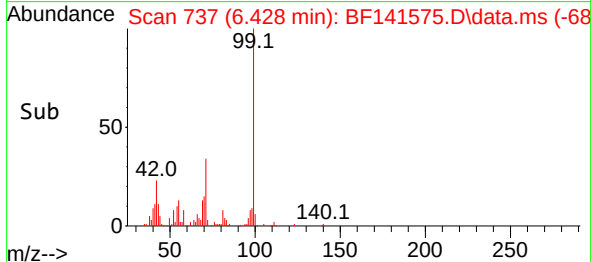
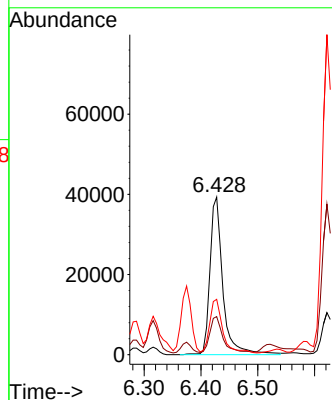
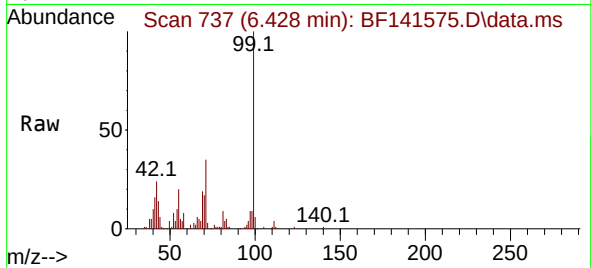
Tgt Ion: 99 Resp: 61834

Ion Ratio Lower Upper

99 100

42 24.2 19.1 28.7

71 35.1 31.1 46.7



#18

Hexachloroethane

Concen: 2.233 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.029 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

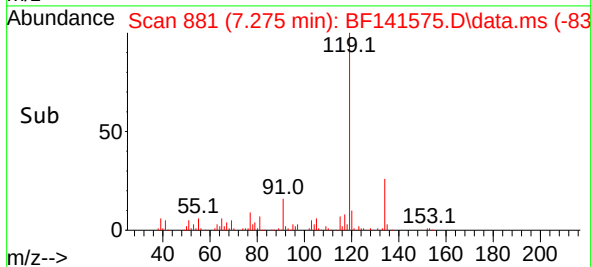
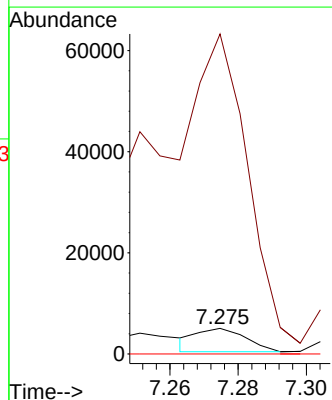
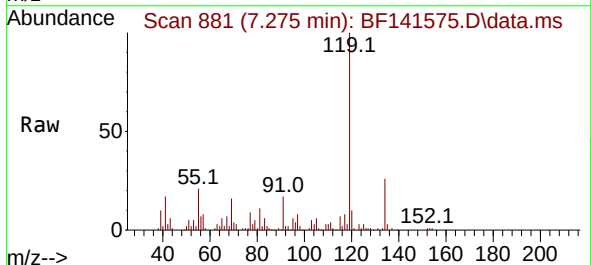
Tgt Ion: 117 Resp: 4599

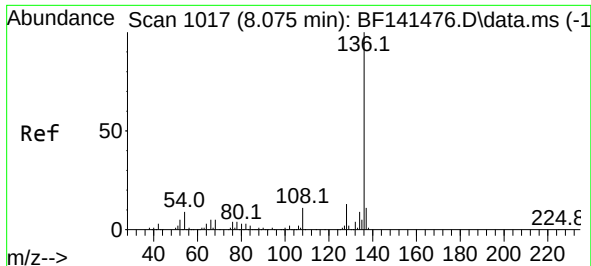
Ion Ratio Lower Upper

117 100

119 1253.1 76.5 114.7#

201 0.0 76.7 115.1#

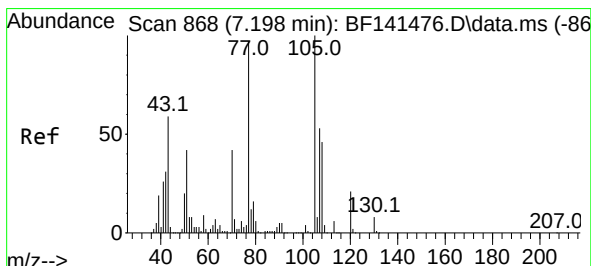
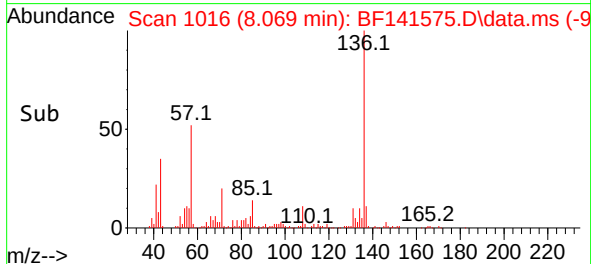
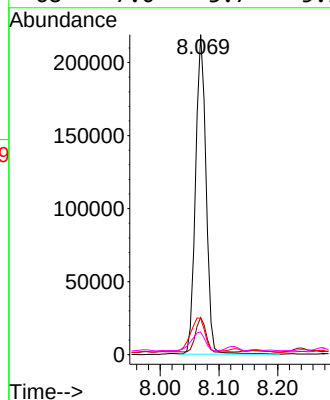
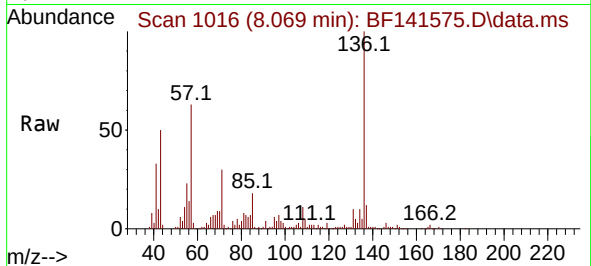




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

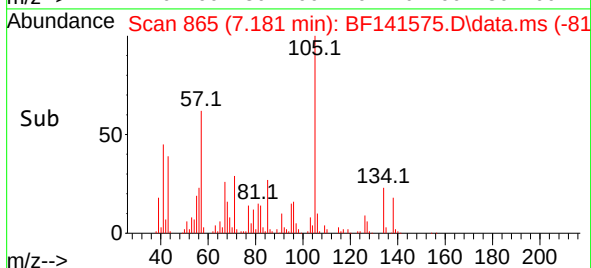
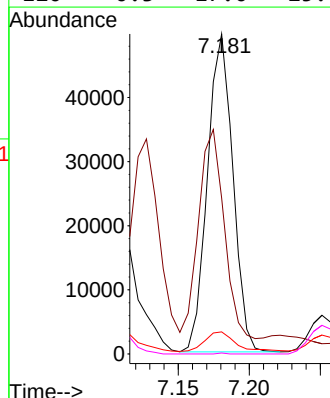
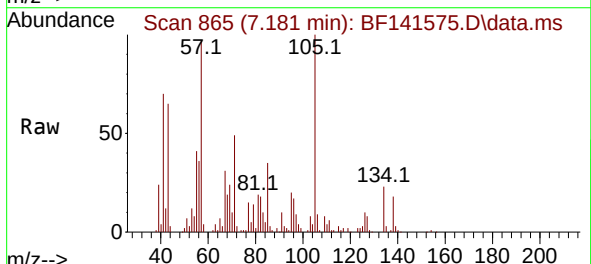
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

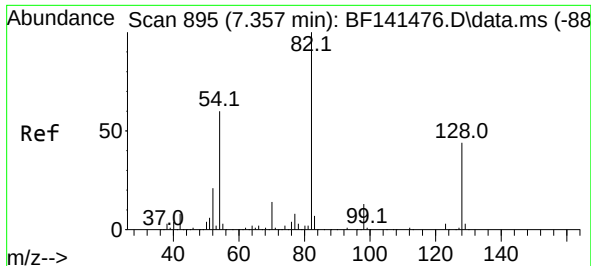
Tgt Ion:	136	Resp:	271464
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	11.3	7.2	10.8#
68	7.0	3.7	5.5#



#22
Acetophenone
Concen: 9.149 ng
RT: 7.181 min Scan# 865
Delta R.T. -0.029 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:	105	Resp:	61779
Ion	Ratio	Lower	Upper
105	100		
71	48.8	5.7	8.5#
51	6.9	33.7	50.5#
120	0.3	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 7.779 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

Instrument :

BNA_F

ClientSampleId :

EO-01-021025

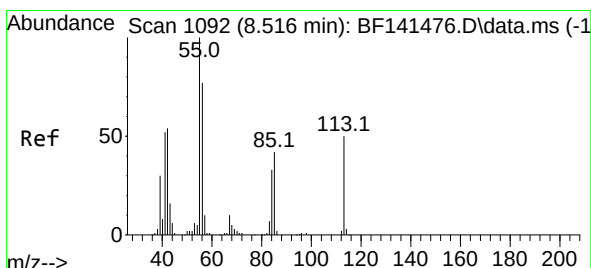
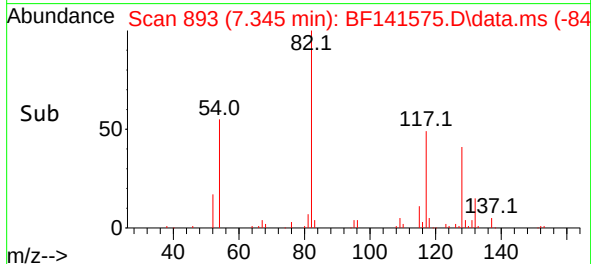
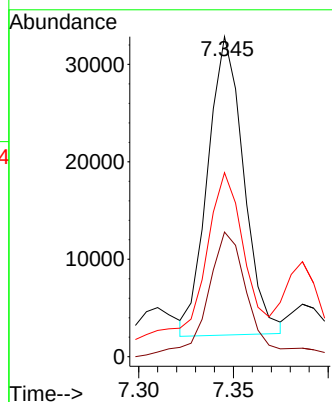
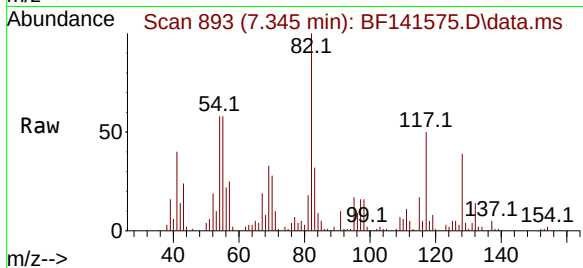
Tgt Ion: 82 Resp: 40487

Ion Ratio Lower Upper

82 100

128 38.9 34.8 52.2

54 57.5 48.2 72.4



#35

Caprolactam

Concen: 17.640 ng

RT: 8.492 min Scan# 1088

Delta R.T. -0.053 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

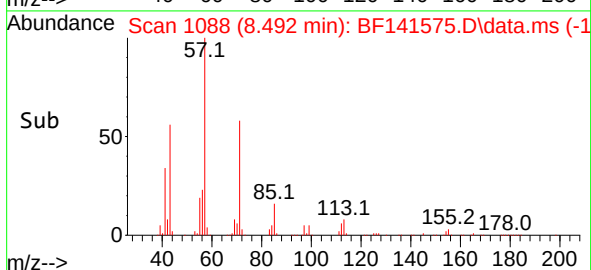
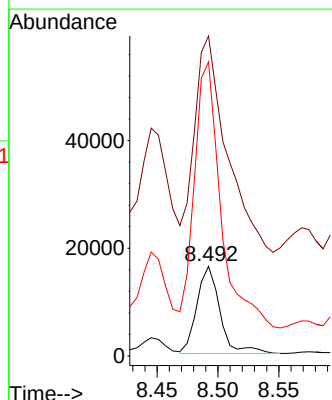
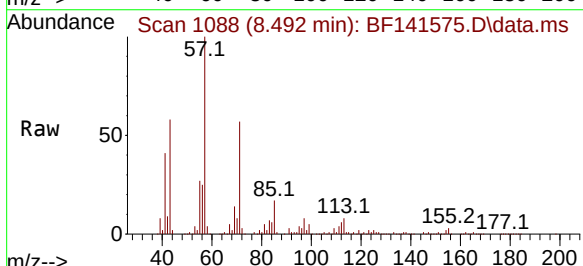
Tgt Ion: 113 Resp: 21405

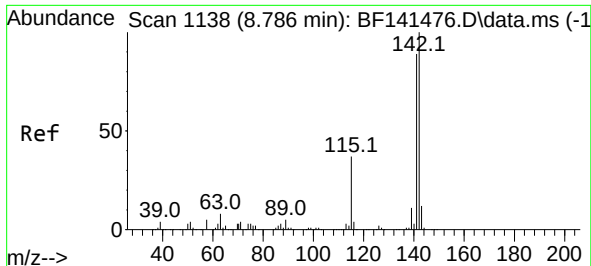
Ion Ratio Lower Upper

113 100

55 356.8 180.8 220.8#

56 327.9 133.6 173.6#





#37

2-Methylnaphthalene

Concen: 2.666 ng

RT: 8.780 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

Instrument :

BNA_F

ClientSampleId :

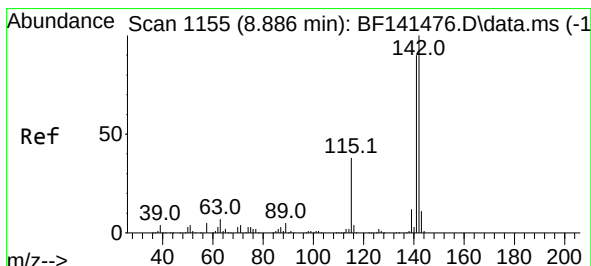
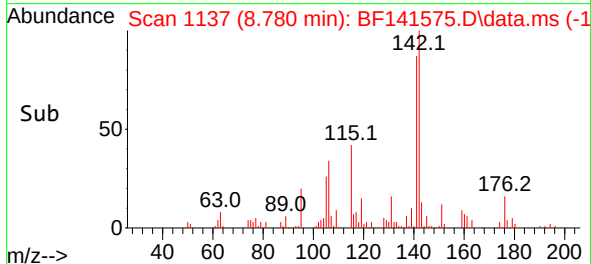
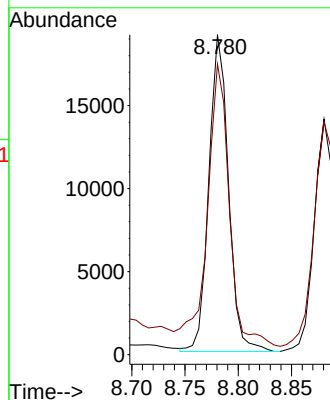
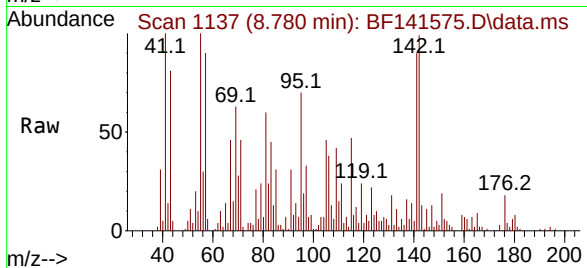
EO-01-021025

Tgt Ion:142 Resp: 24516

Ion Ratio Lower Upper

142 100

141 90.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 2.244 ng

RT: 8.880 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF141575.D

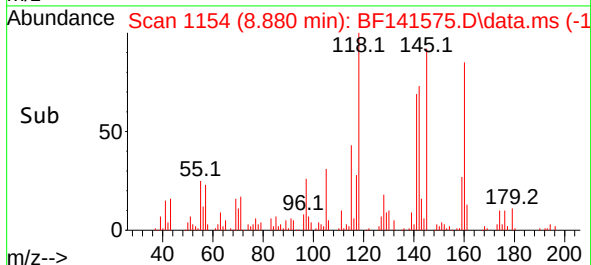
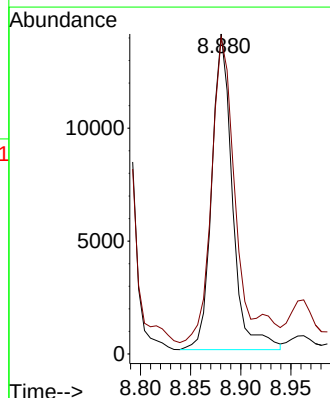
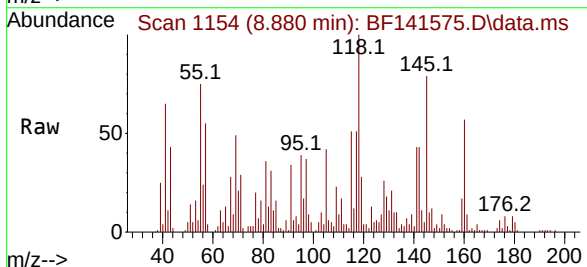
Acq: 11 Feb 2025 21:04

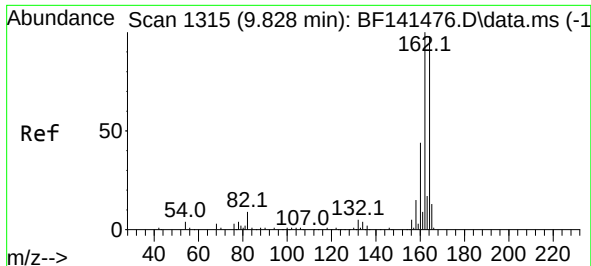
Tgt Ion:142 Resp: 19986

Ion Ratio Lower Upper

142 100

141 98.9 72.1 108.1

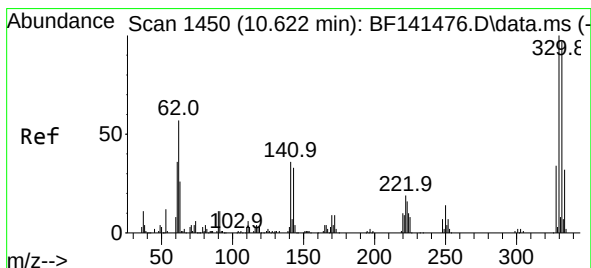
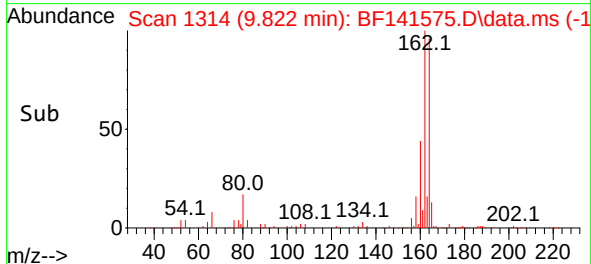
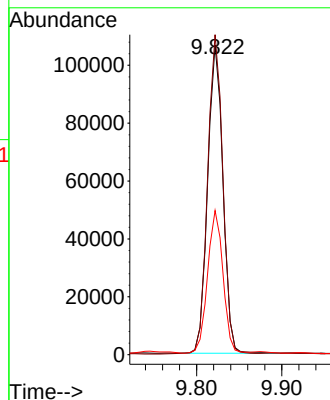
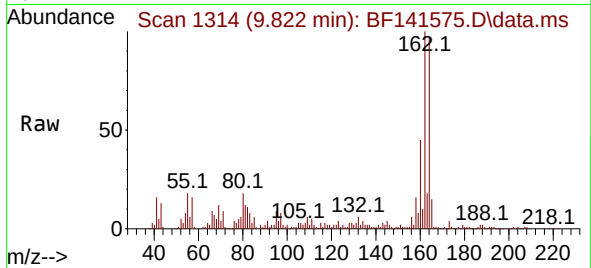




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

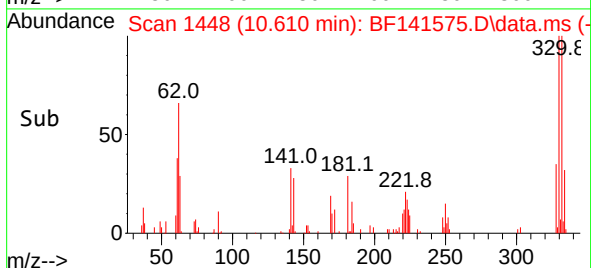
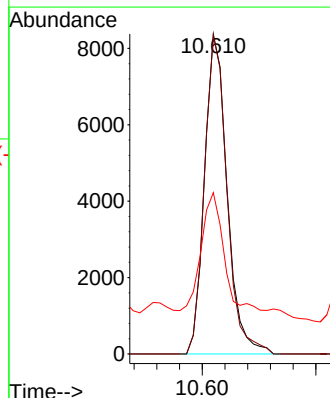
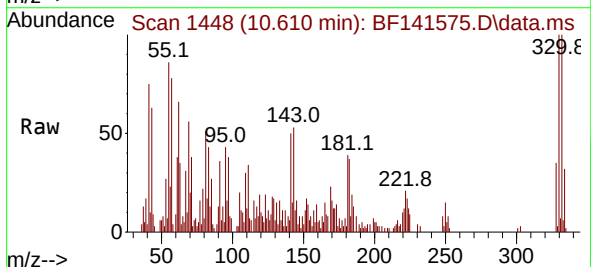
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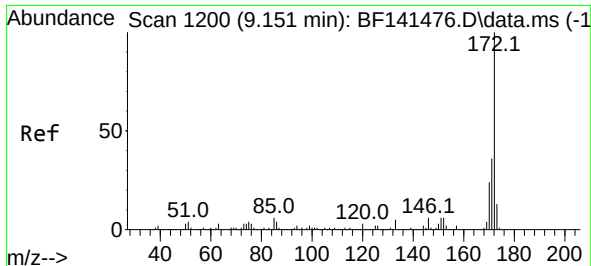
Tgt Ion:164 Resp: 132547
Ion Ratio Lower Upper
164 100
162 103.3 81.3 121.9
160 46.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 8.695 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:330 Resp: 11578
Ion Ratio Lower Upper
330 100
332 99.2 78.5 117.7
141 50.9 31.0 46.4#

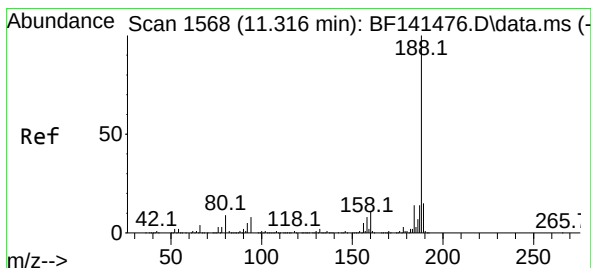
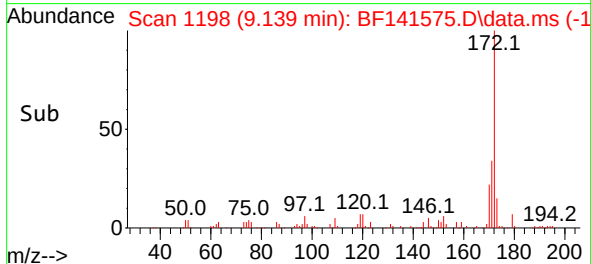
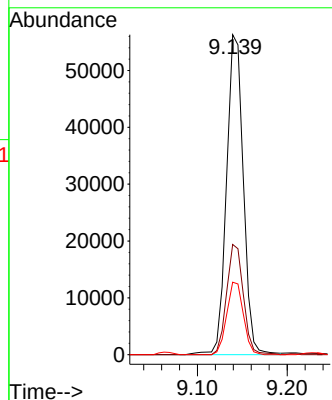
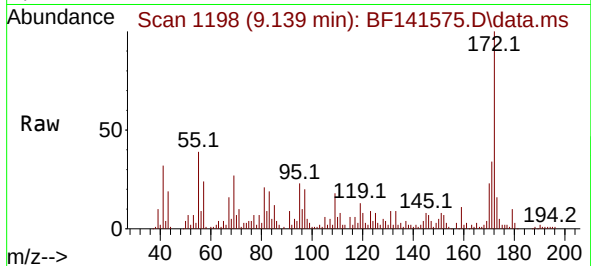




#45
2-Fluorobiphenyl
Concen: 8.515 ng
RT: 9.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

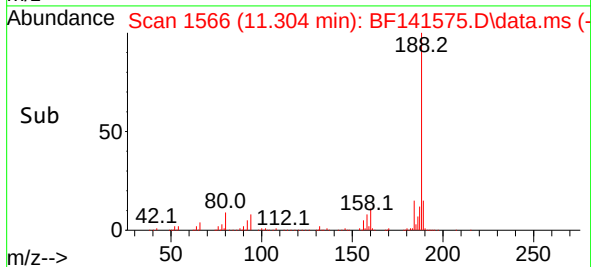
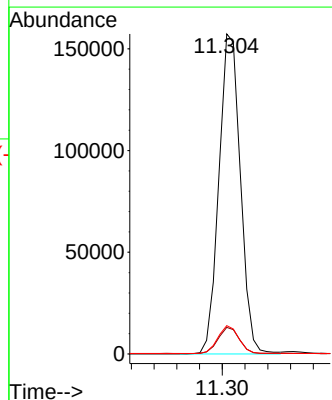
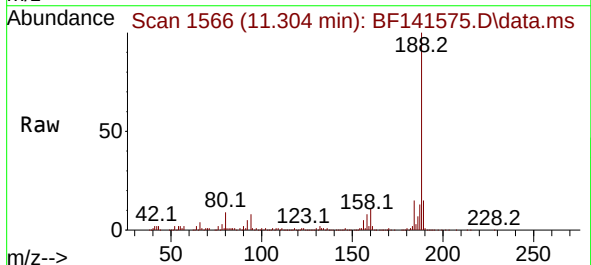
Instrument :
BNA_F
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EO-01-021025

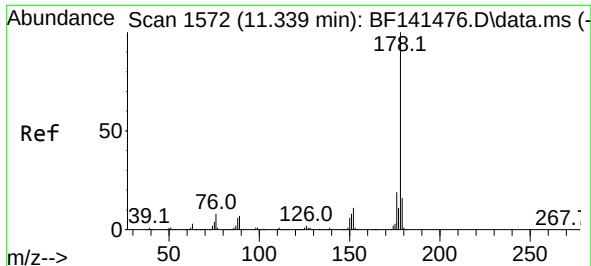
Tgt Ion:172 Resp: 73260
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.6 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:188 Resp: 206995
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.9 7.3 10.9

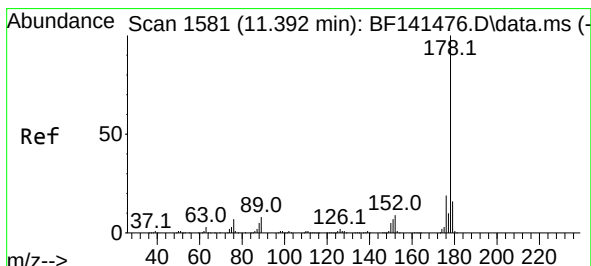
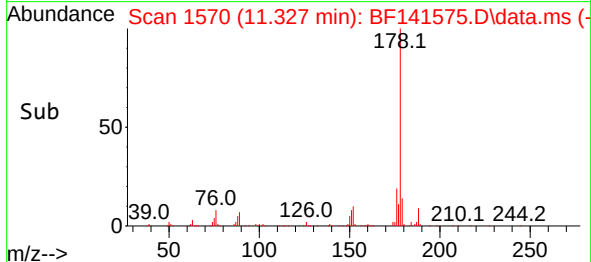
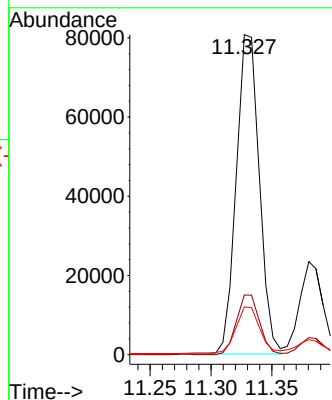
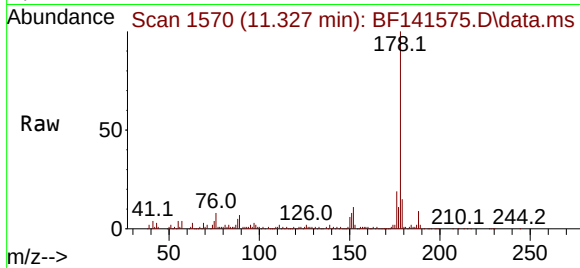




#71
Phenanthrene
Concen: 9.332 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

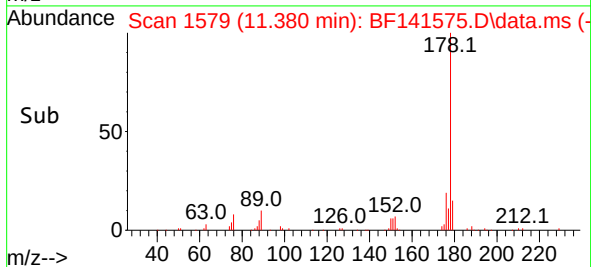
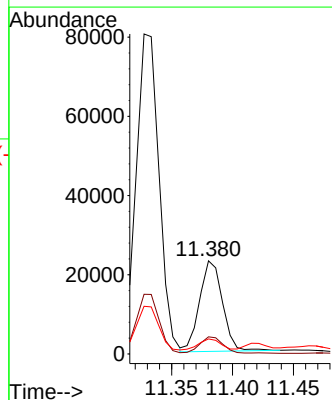
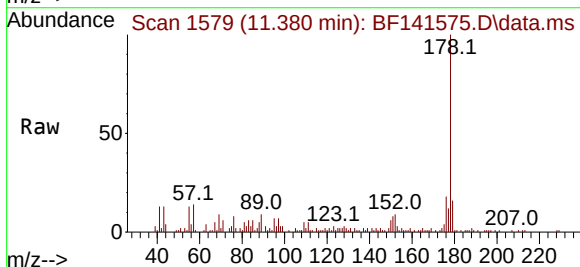
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

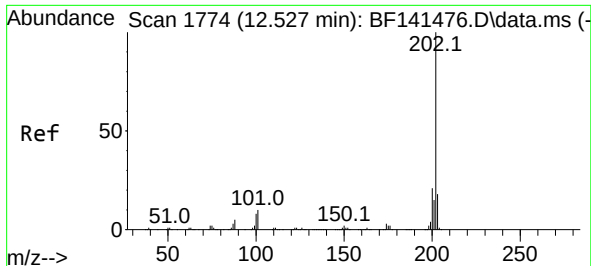
Tgt Ion:178 Resp: 106331
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 14.9 12.4 18.6



#72
Anthracene
Concen: 2.620 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:178 Resp: 30009
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 16.2 12.4 18.6

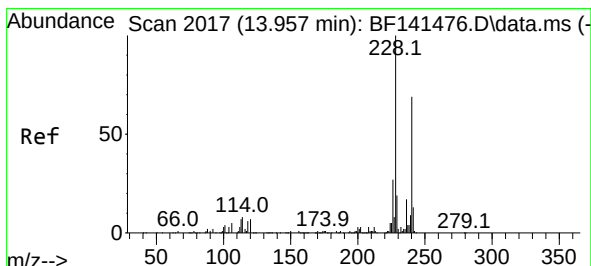
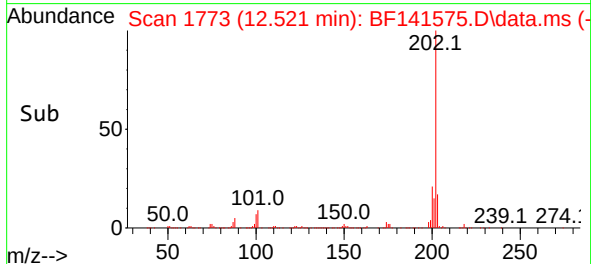
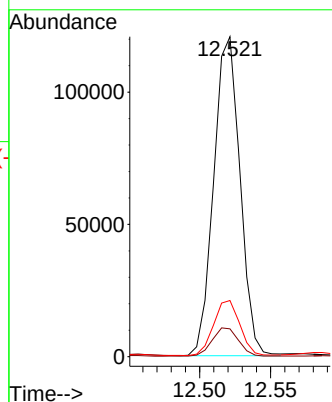
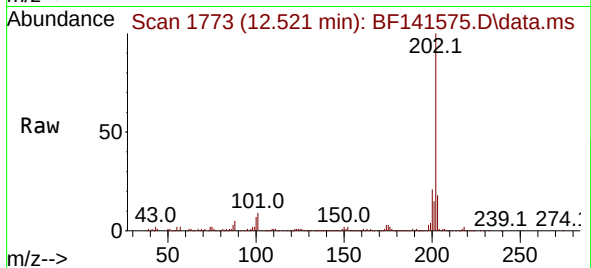




#75
Fluoranthene
Concen: 12.852 ng
RT: 12.521 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

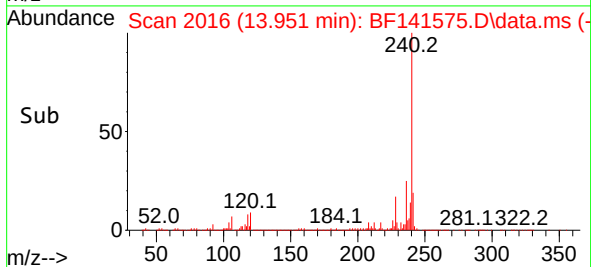
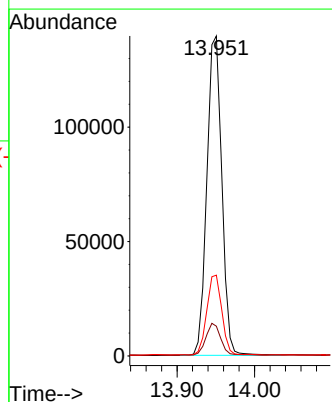
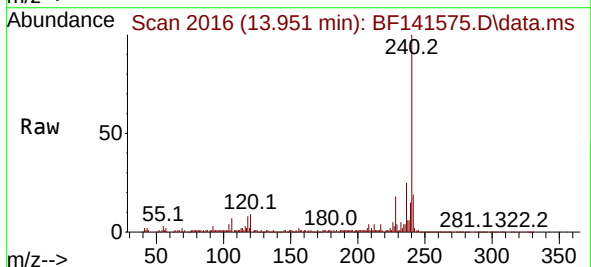
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

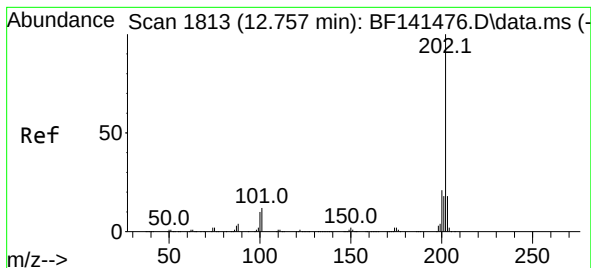
Tgt Ion:202 Resp: 155258
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.2
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:240 Resp: 186829
Ion Ratio Lower Upper
240 100
120 9.3 8.0 12.0
236 25.3 19.8 29.8





#78

Pyrene

Concen: 8.992 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

Instrument :

BNA_F

ClientSampleId :

EO-01-021025

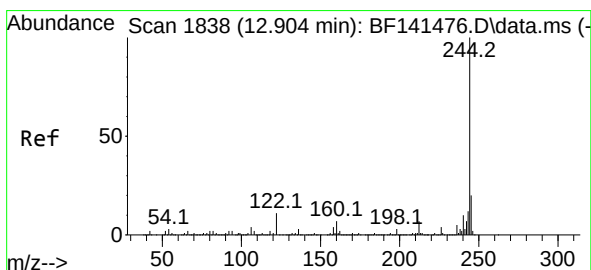
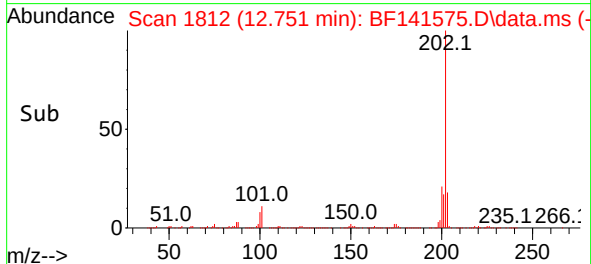
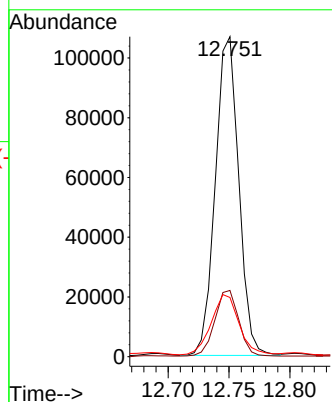
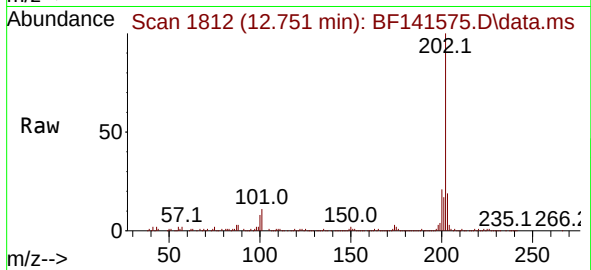
Tgt Ion:202 Resp: 143018

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 18.5 14.3 21.5



#79

Terphenyl-d14

Concen: 6.402 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141575.D

Acq: 11 Feb 2025 21:04

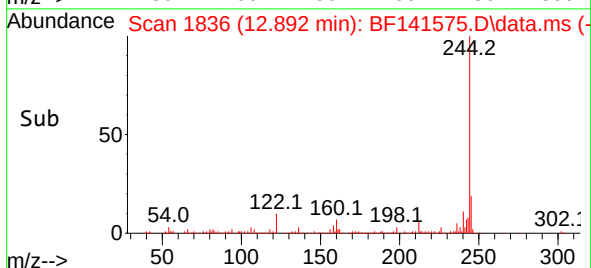
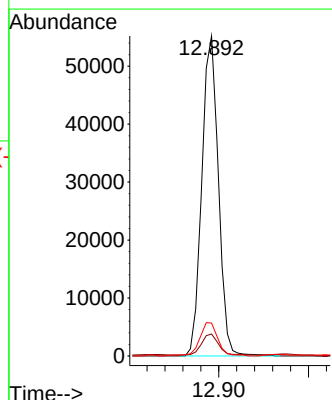
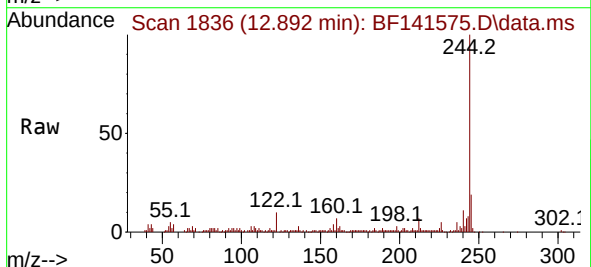
Tgt Ion:244 Resp: 70845

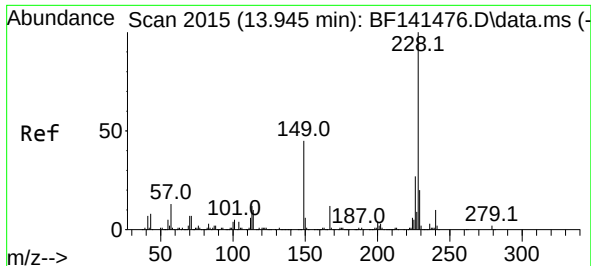
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.3 8.4 12.6

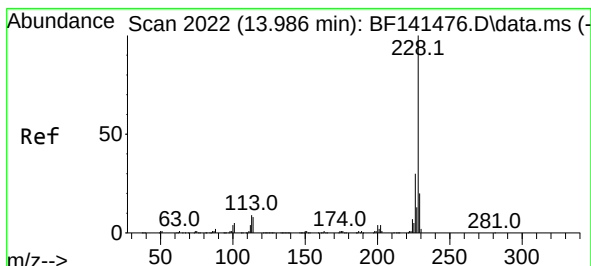
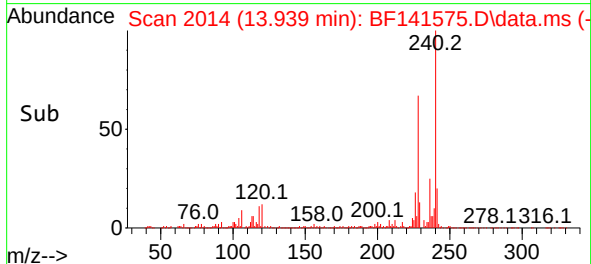
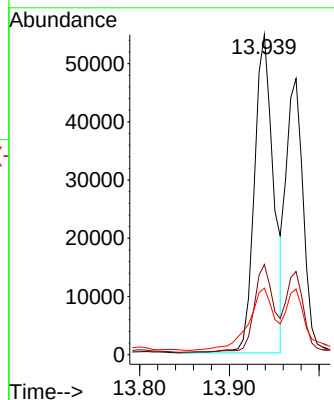
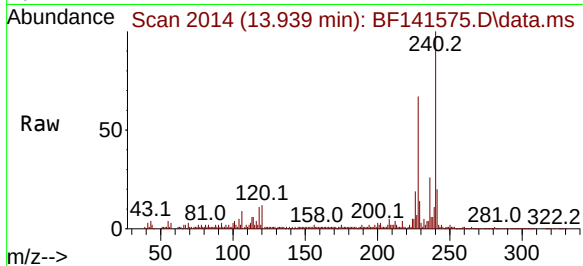




#81
Benzo(a)anthracene
Concen: 6.542 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

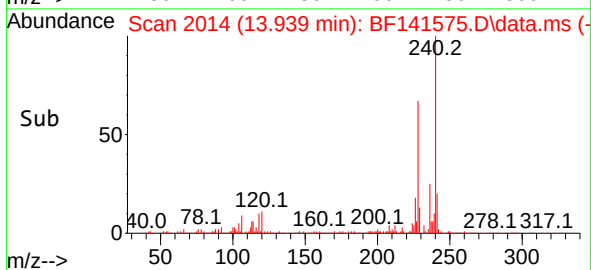
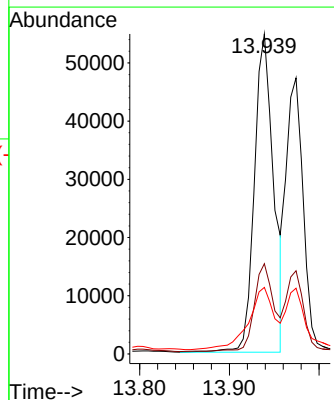
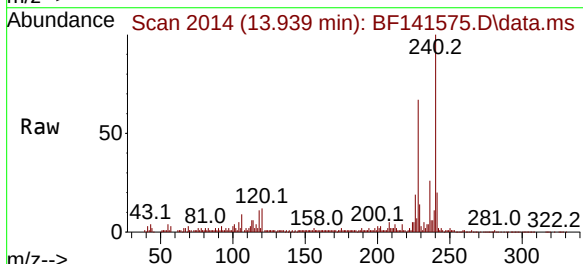
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

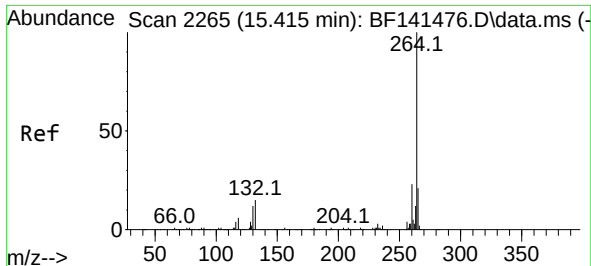
Tgt Ion:228 Resp: 81246
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 20.8 15.8 23.6



#83
Chrysene
Concen: 7.085 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.053 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:228 Resp: 81246
Ion Ratio Lower Upper
228 100
226 28.2 24.0 36.0
229 20.8 15.7 23.5

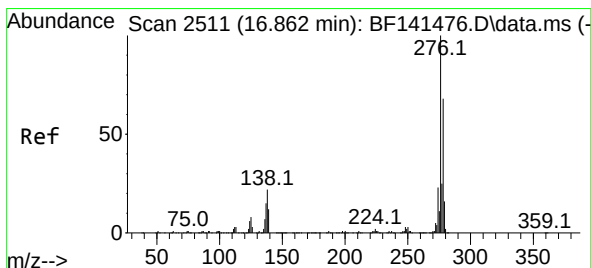
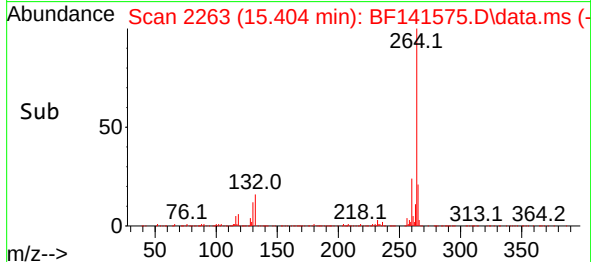
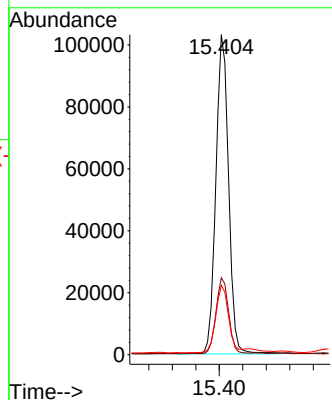
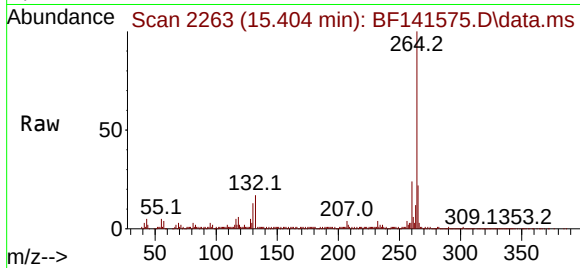




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

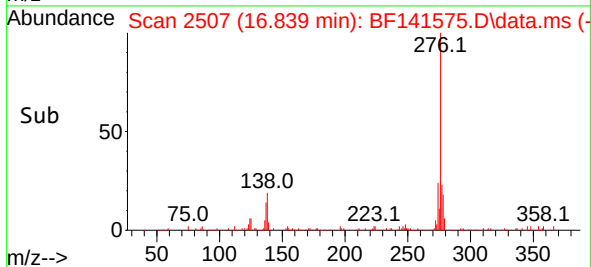
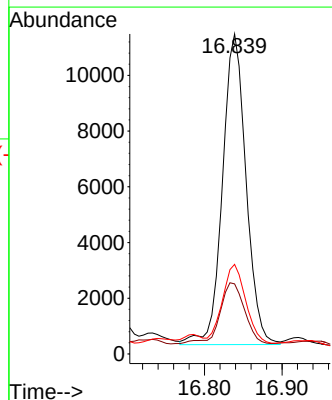
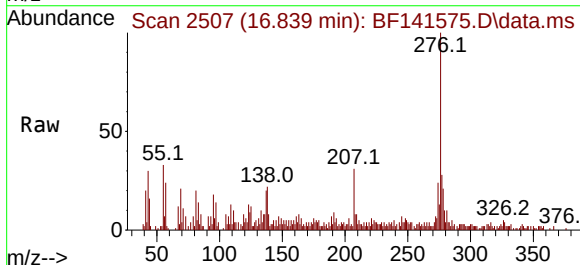
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

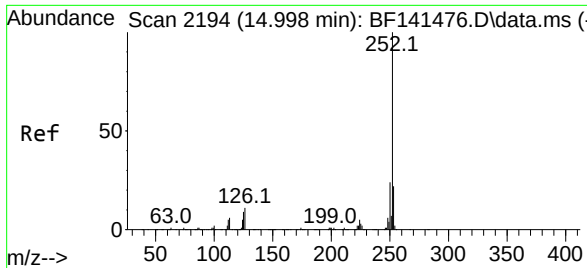
Tgt Ion:264 Resp: 154700
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 21.7 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.475 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.035 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:276 Resp: 23661
Ion Ratio Lower Upper
276 100
138 22.8 18.0 27.0
277 25.6 20.4 30.6

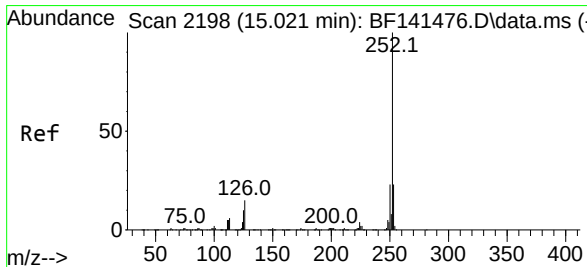
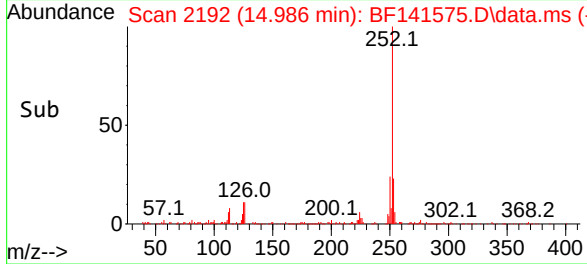
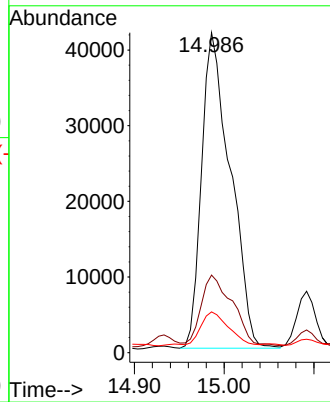
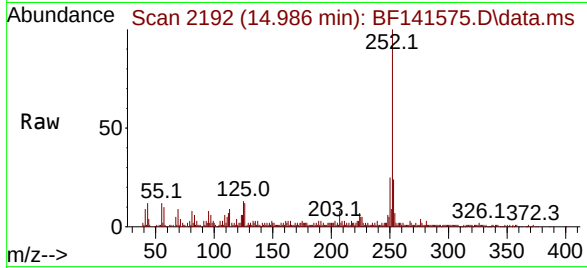




#88
Benzo(b)fluoranthene
Concen: 8.948 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

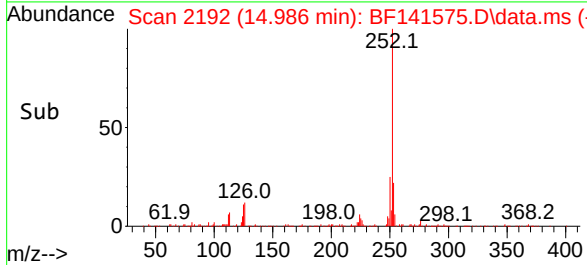
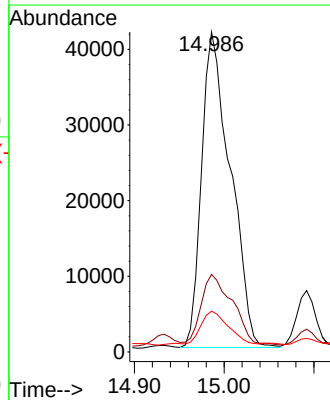
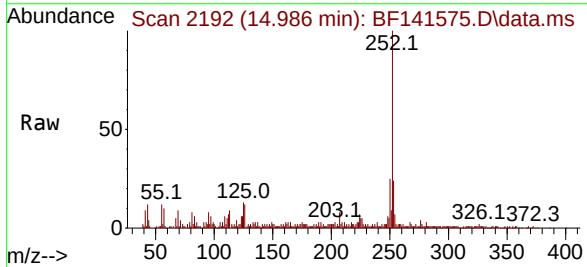
Instrument :
BNA_F
ClientSampleId :
EO-01-021025

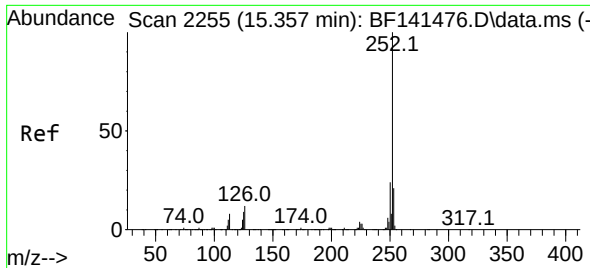
Tgt Ion:252 Resp: 92942
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 12.8 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 10.478 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.047 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:252 Resp: 92942
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 12.8 7.4 11.0#

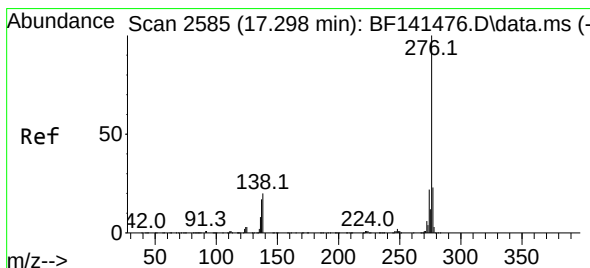
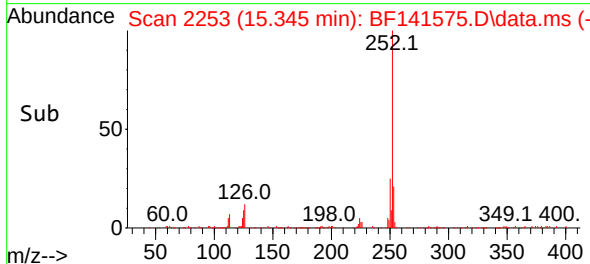
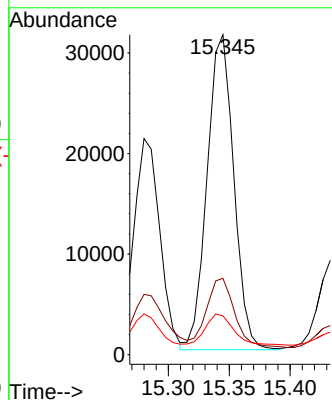
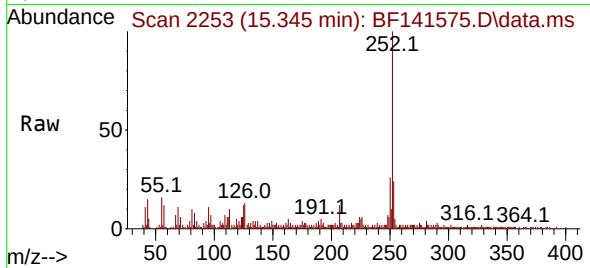




#90
Benzo(a)pyrene
Concen: 5.671 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Instrument :
BNA_F
ClientSampleId :
EO-01-021025

Tgt Ion:252 Resp: 47662
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 12.2 7.4 11.2#



#92
Benzo(g,h,i)perylene
Concen: 2.669 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141575.D
Acq: 11 Feb 2025 21:04

Tgt Ion:276 Resp: 21635
Ion Ratio Lower Upper
276 100
277 26.4 18.6 28.0
138 22.5 15.9 23.9

