

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144256.D
 Acq On : 14 Nov 2025 11:46
 Operator : RC/JU
 Sample : Q3624-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-11122025

Quant Time: Nov 14 12:10:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

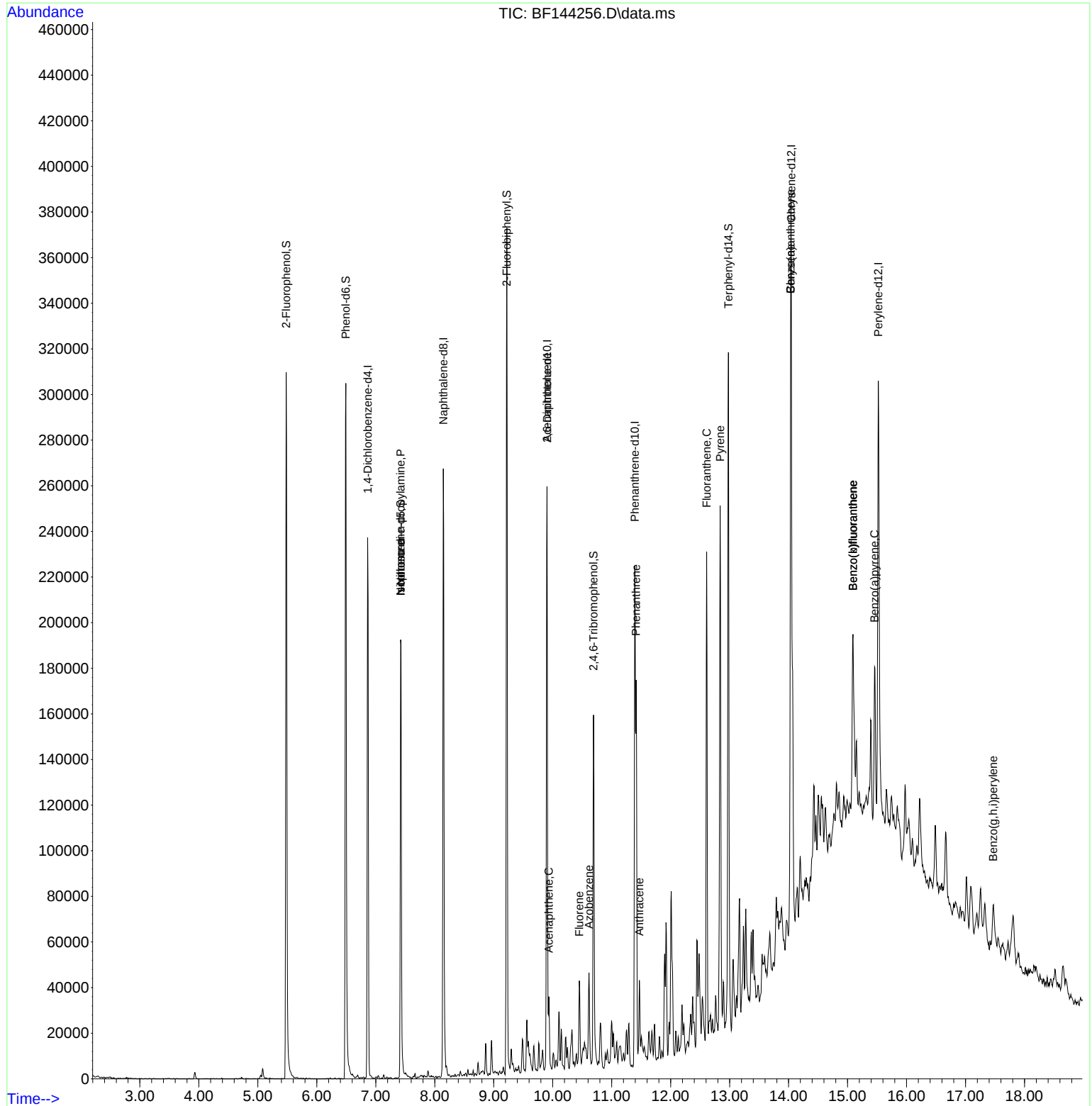
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	50037	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	172762	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	80153	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	116735	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	126192	20.000	ng	0.00
86) Perylene-d12	15.521	264	116334	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	133172	41.649	ng	-0.01
7) Phenol-d6	6.493	99	146301	40.381	ng	0.00
23) Nitrobenzene-d5	7.422	82	88953	29.737	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	30531	30.354	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	171777	31.652	ng	0.00
79) Terphenyl-d14	12.980	244	150964	19.002	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	12129	5.085	ng	# 78
25) Isophorone	7.422	82	88953	15.721	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	10582	9.845	ng	# 27
52) Acenaphthene	9.934	154	10606	2.439	ng	89
58) Fluorene	10.451	166	15623	3.373	ng	98
63) Azobenzene	10.616	77	9400	2.063	ng	# 1
71) Phenanthrene	11.416	178	89128	15.335	ng	99
72) Anthracene	11.469	178	23820	4.031	ng	97
75) Fluoranthene	12.610	202	121948	20.312	ng	99
78) Pyrene	12.839	202	136442	13.410	ng	99
81) Benzo(a)anthracene	14.033	228	74288	8.494	ng	96
83) Chrysene	14.033	228	74288	9.201	ng	97
88) Benzo(b)fluoranthene	15.092	252	74605	11.280	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	74605	12.051	ng	# 95
90) Benzo(a)pyrene	15.457	252	43967	7.206	ng	# 88
92) Benzo(g,h,i)perylene	17.468	276	18949	2.861	ng	95

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

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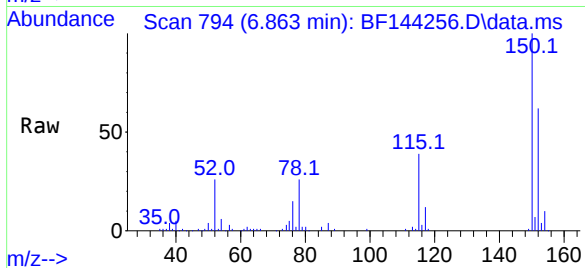
Quant Time: Nov 14 12:10:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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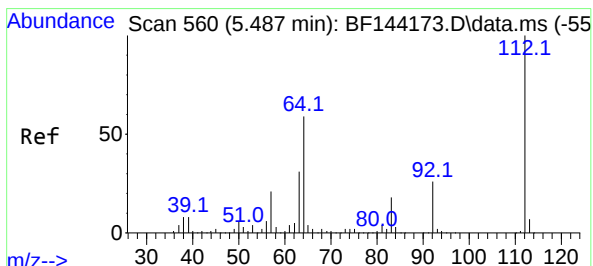
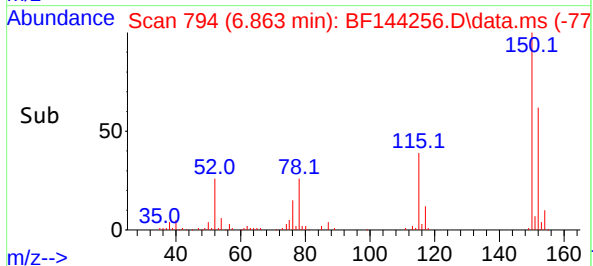
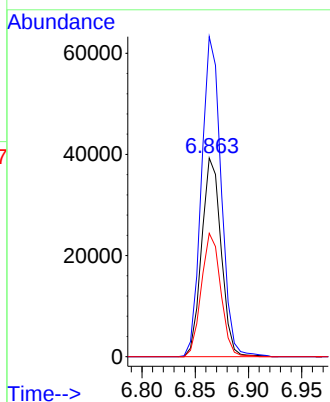


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

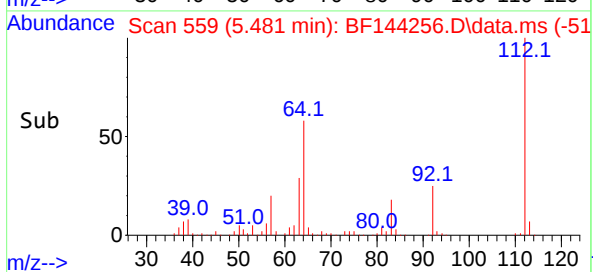
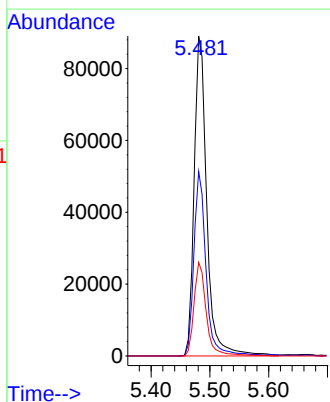
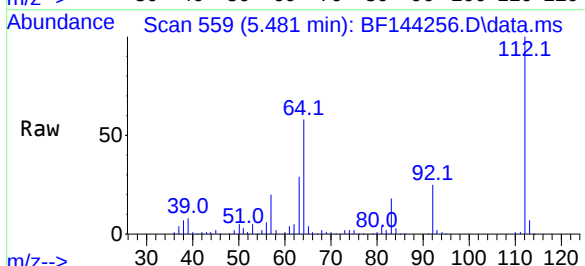


Tgt Ion:152 Resp: 50037
Ion Ratio Lower Upper
152 100
150 161.0 127.4 191.0
115 62.0 49.5 74.3

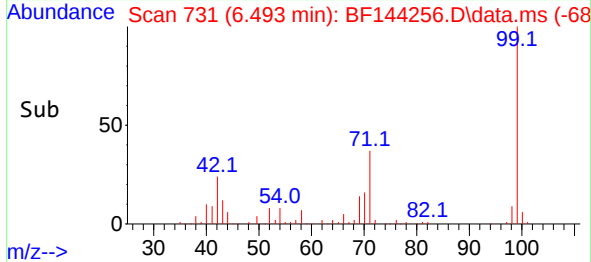
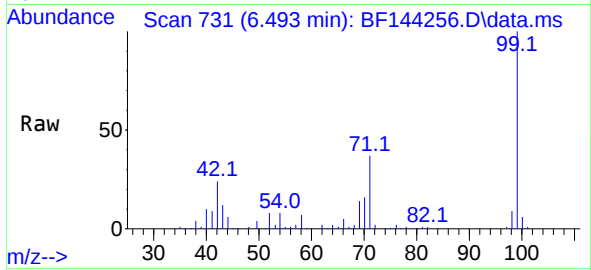
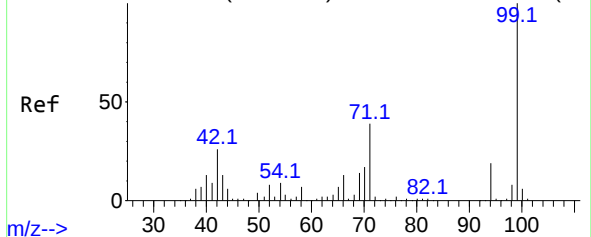


#5
2-Fluorophenol
Concen: 41.649 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:112 Resp: 133172
Ion Ratio Lower Upper
112 100
64 57.6 47.2 70.8
63 29.2 24.4 36.6



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 40.381 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144256.D

Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

OK-02-11122025

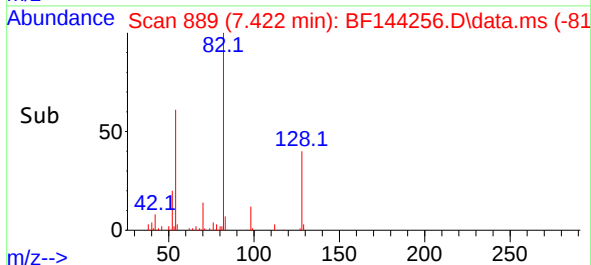
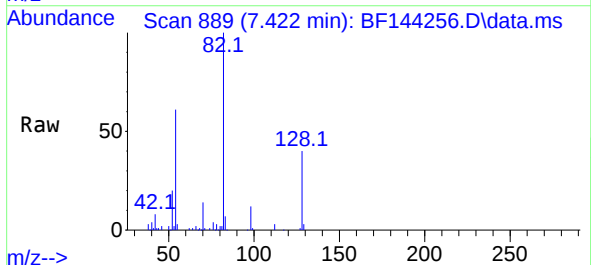
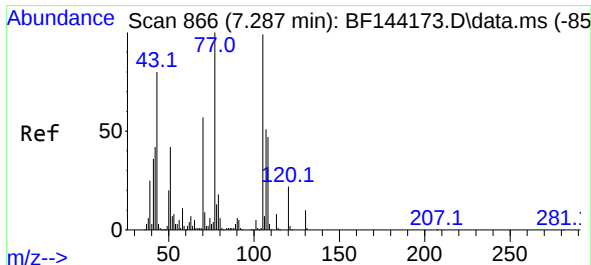
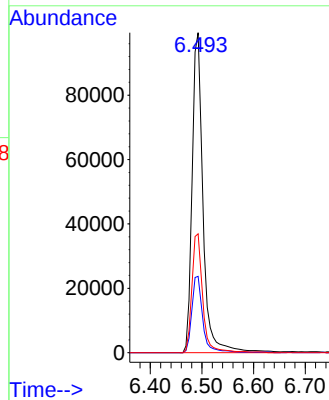
Tgt Ion: 99 Resp: 146301

Ion Ratio Lower Upper

99 100

42 23.9 20.9 31.3

71 37.1 31.4 47.2



#19

n-Nitroso-di-n-propylamine

Concen: 5.085 ng

RT: 7.422 min Scan# 889

Delta R.T. 0.147 min

Lab File: BF144256.D

Acq: 14 Nov 2025 11:46

Tgt Ion: 70 Resp: 12129

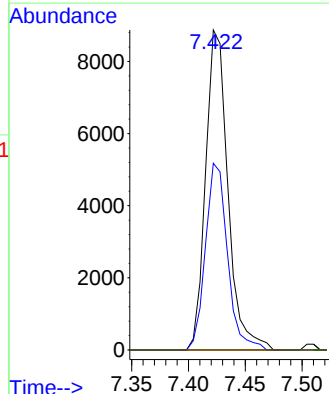
Ion Ratio Lower Upper

70 100

42 58.3 58.3 87.5

101 0.0 7.0 10.6#

130 0.0 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF144256.D

Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

OK-02-11122025

Tgt Ion:136 Resp: 172762

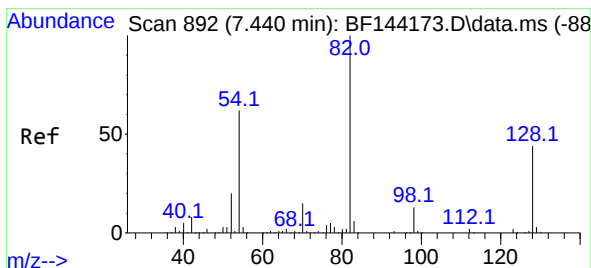
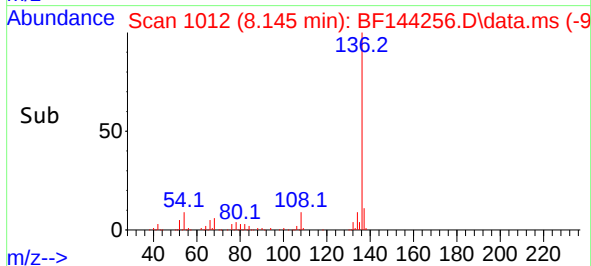
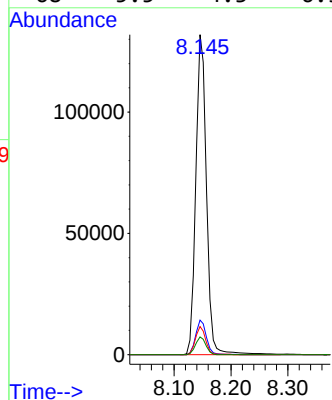
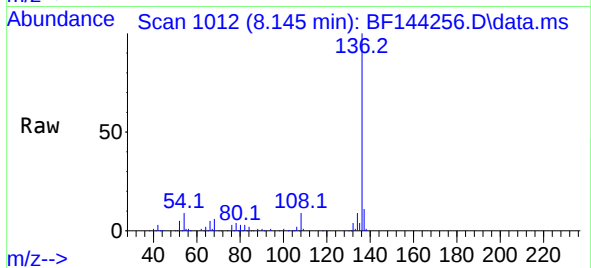
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.8 7.0 10.6

68 5.5 4.3 6.5



#23

Nitrobenzene-d5

Concen: 29.737 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144256.D

Acq: 14 Nov 2025 11:46

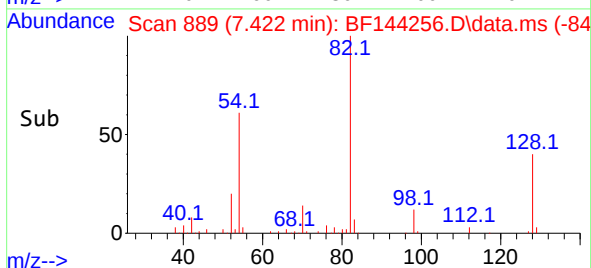
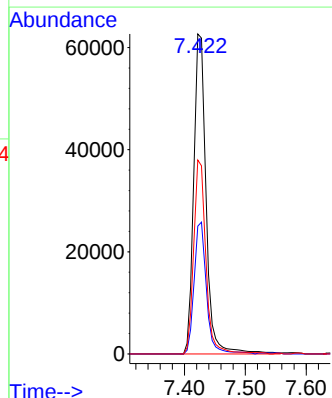
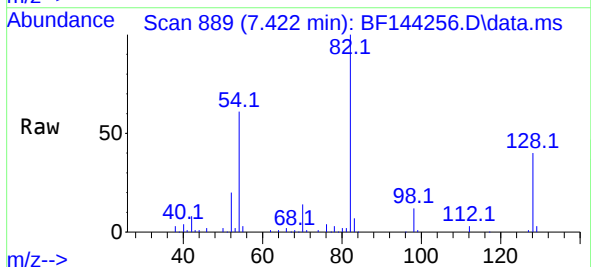
Tgt Ion: 82 Resp: 88953

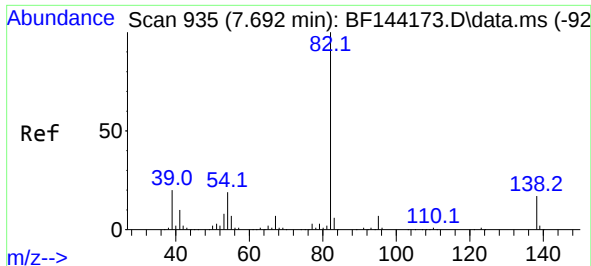
Ion Ratio Lower Upper

82 100

128 39.9 34.7 52.1

54 60.6 49.5 74.3

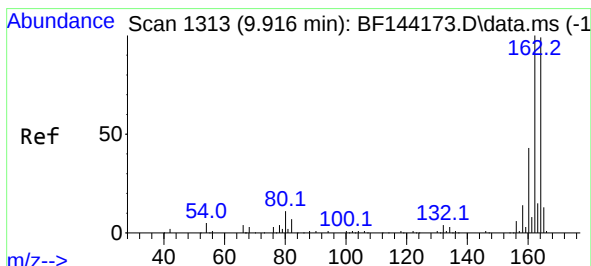
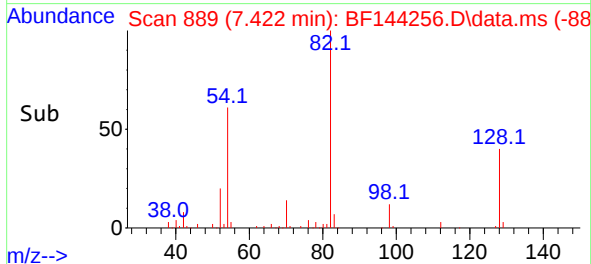
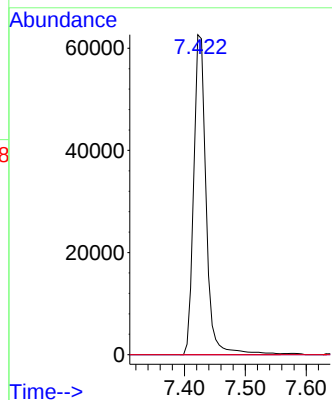
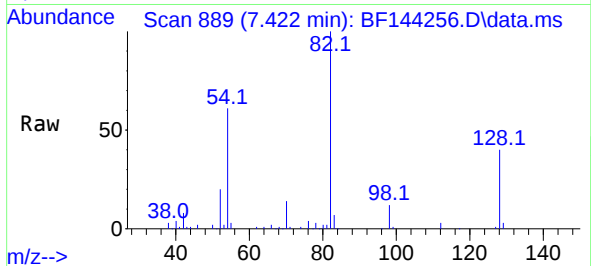




#25
Isophorone
Concen: 15.721 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

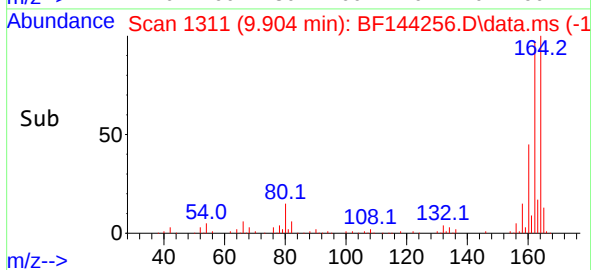
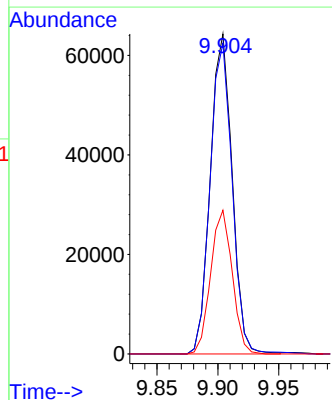
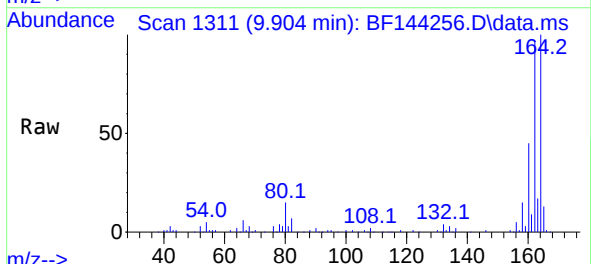
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

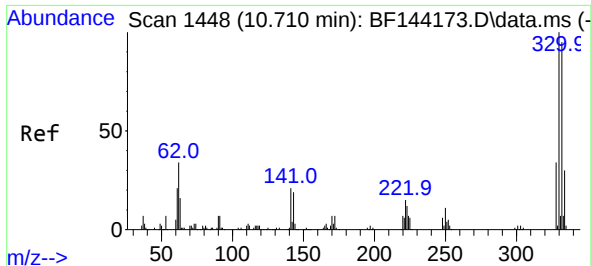
Tgt Ion: 82 Resp: 88953
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

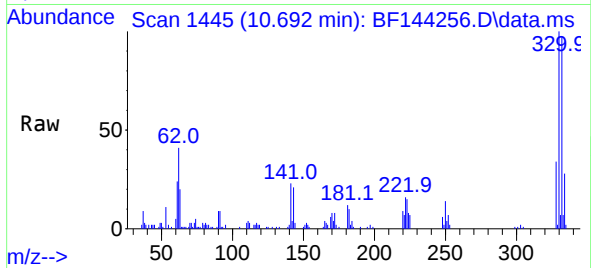
Tgt Ion:164 Resp: 80153
Ion Ratio Lower Upper
164 100
162 97.1 81.1 121.7
160 44.9 34.5 51.7



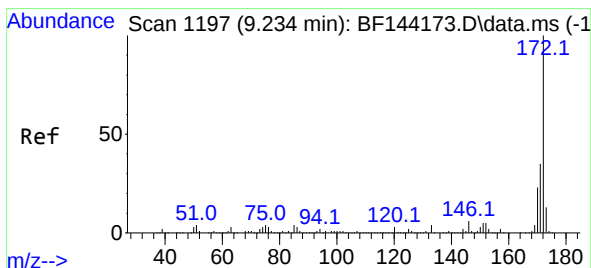
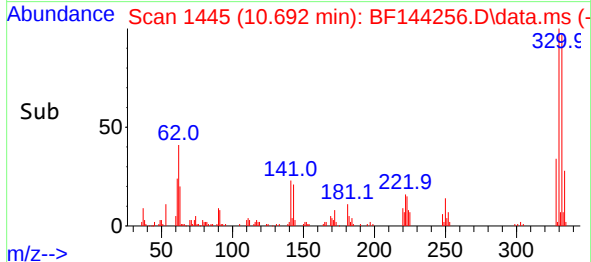
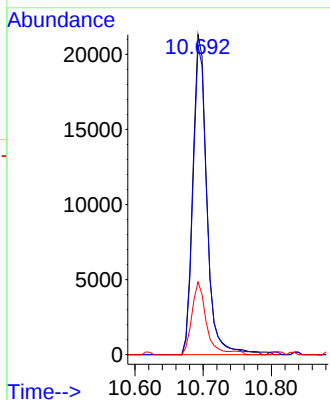


#42
2,4,6-Tribromophenol
Concen: 30.354 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

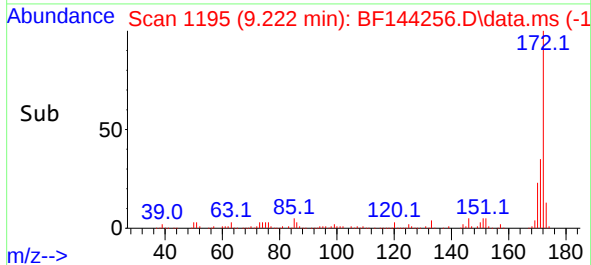
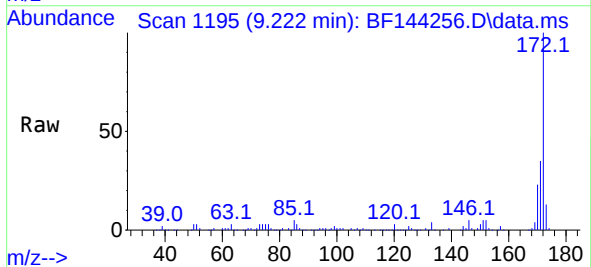
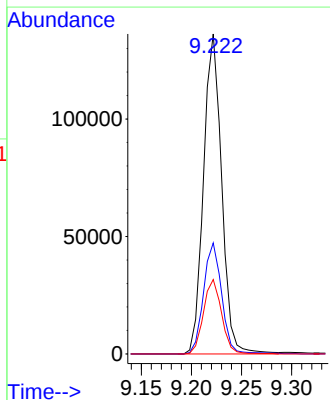


Tgt Ion:330 Resp: 30531
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 22.8 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 31.652 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:172 Resp: 171777
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.2 18.6 28.0

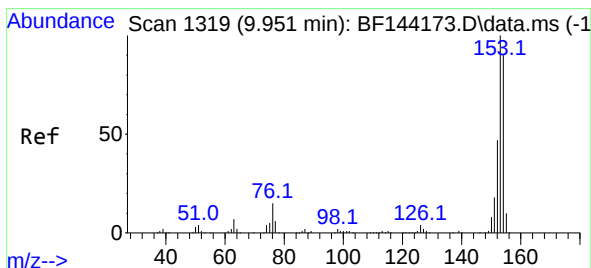
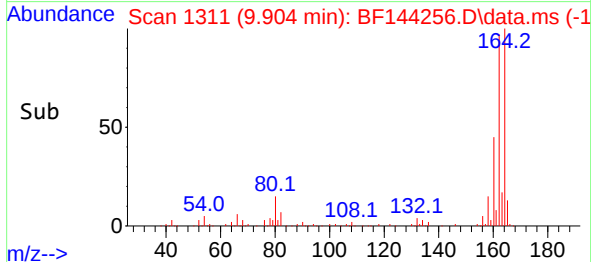
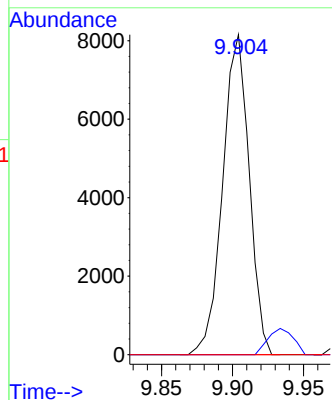
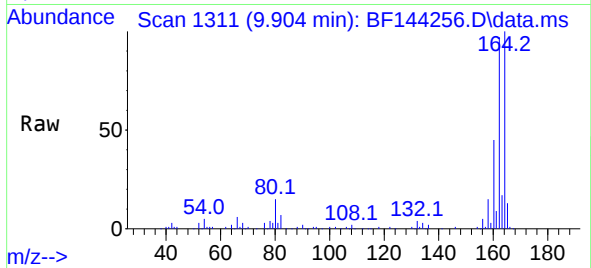




#51
2,6-Dinitrotoluene
Concen: 9.845 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

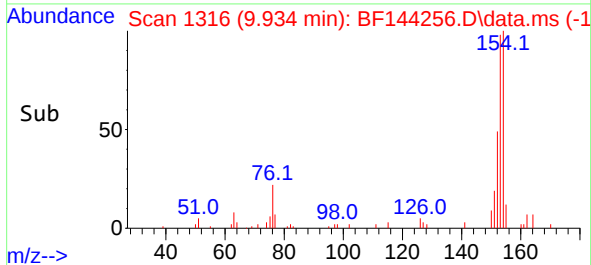
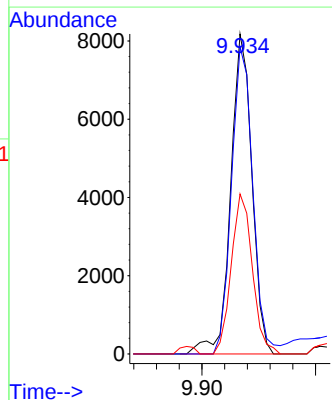
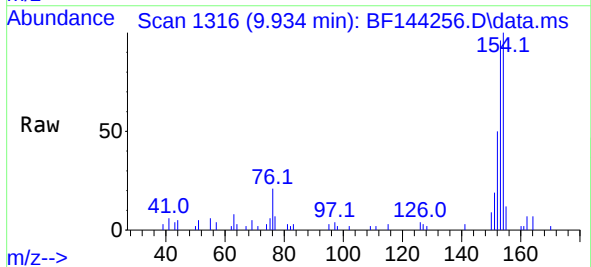
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OK-02-11122025

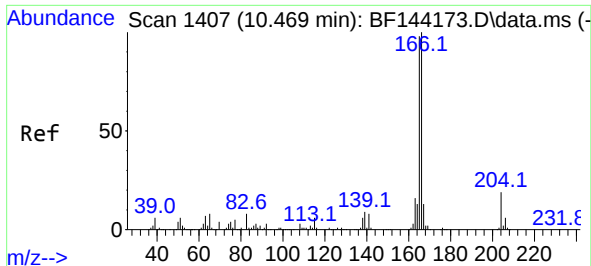
Tgt Ion:165 Resp: 10582
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#52
Acenaphthene
Concen: 2.439 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:154 Resp: 10606
Ion Ratio Lower Upper
154 100
153 96.0 89.0 133.4
152 50.0 42.2 63.4

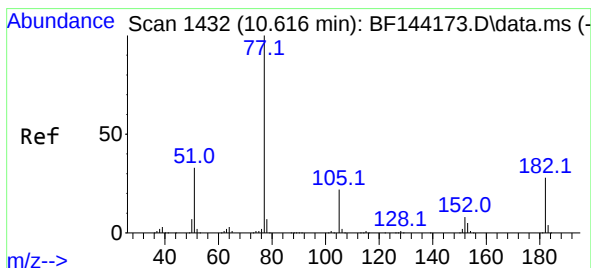
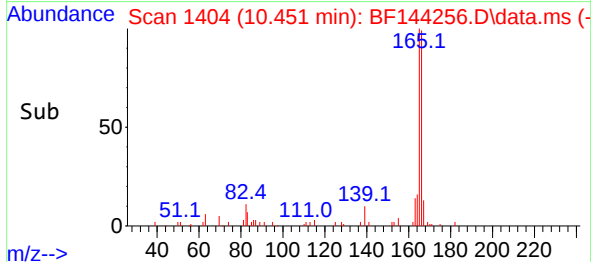
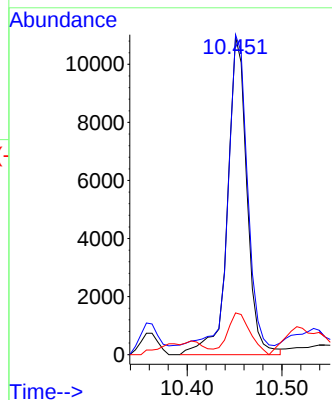
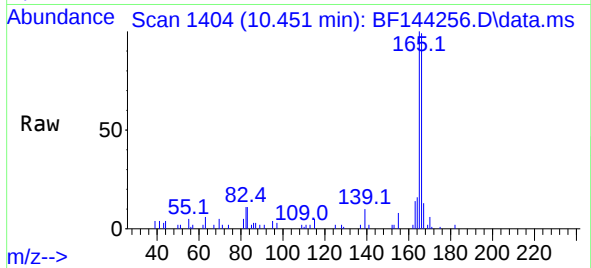




#58
Fluorene
Concen: 3.373 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

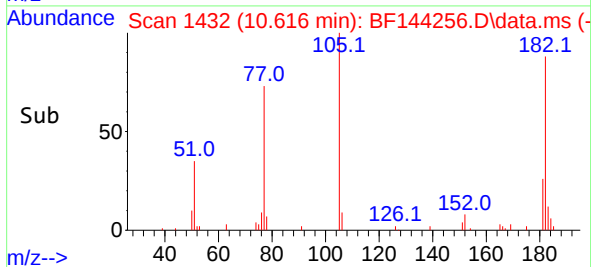
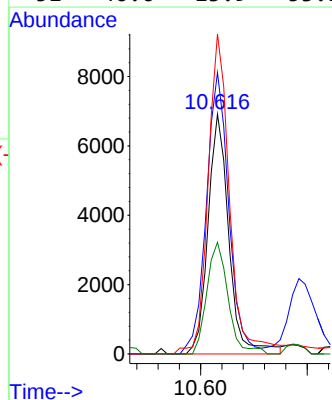
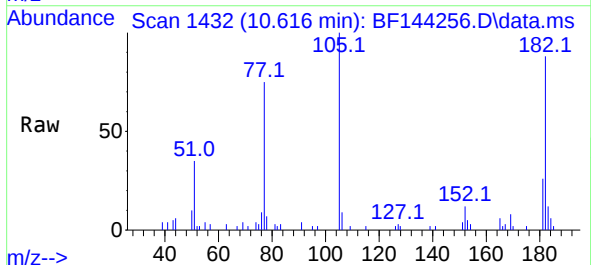
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

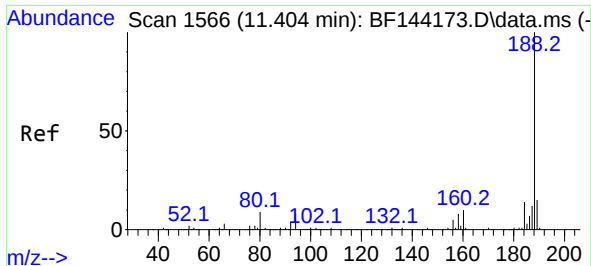
Tgt Ion:166 Resp: 15623
Ion Ratio Lower Upper
166 100
165 100.6 78.6 118.0
167 13.2 10.4 15.6



#63
Azobenzene
Concen: 2.063 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

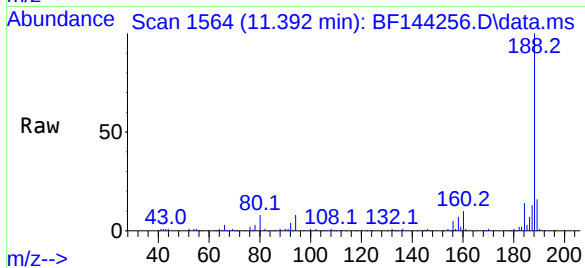
Tgt Ion: 77 Resp: 9400
Ion Ratio Lower Upper
77 100
182 117.4 8.1 48.1#
105 133.5 2.0 42.0#
51 46.6 13.9 53.9



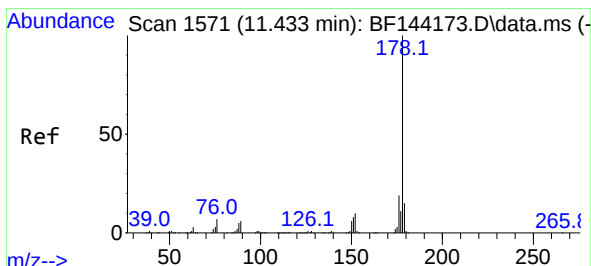
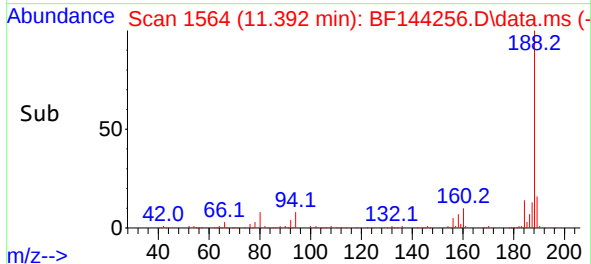
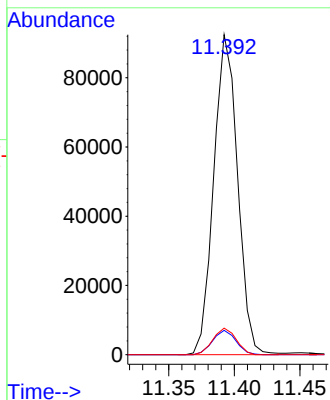


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

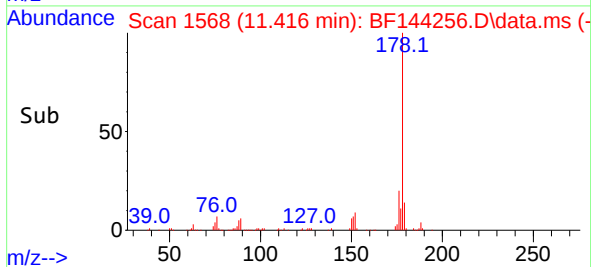
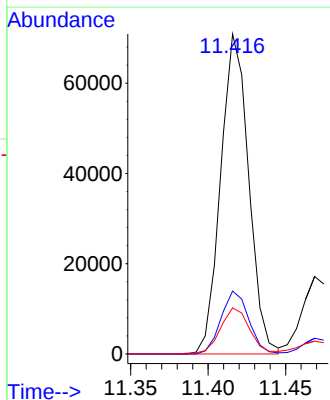
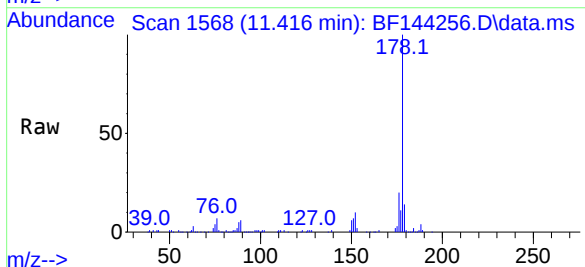


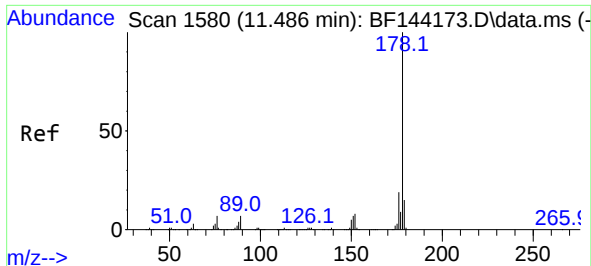
Tgt Ion:188 Resp: 116735
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.3 6.9 10.3



#71
Phenanthrene
Concen: 15.335 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:178 Resp: 89128
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 14.4 12.2 18.4

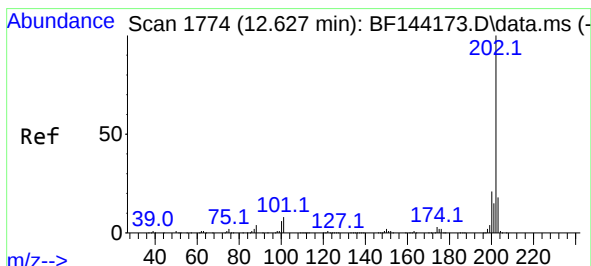
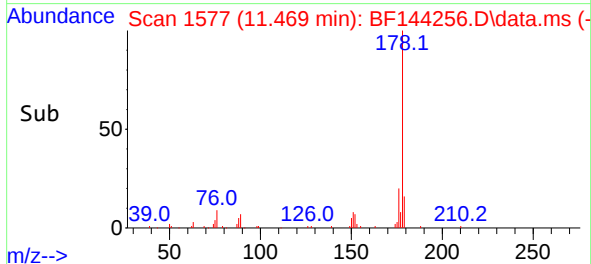
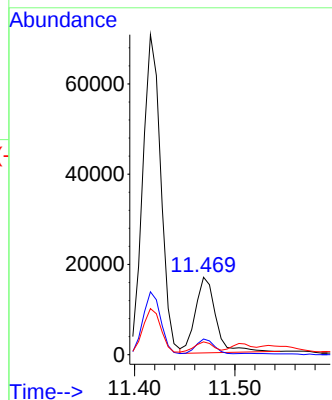
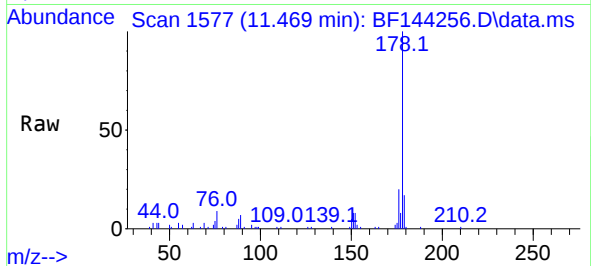




#72
Anthracene
Concen: 4.031 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

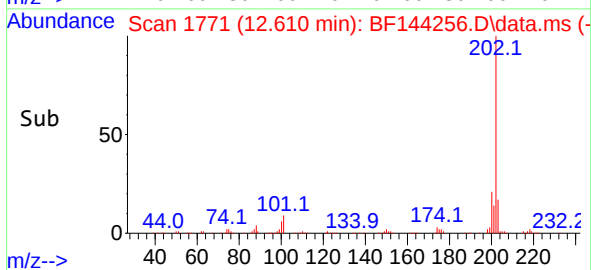
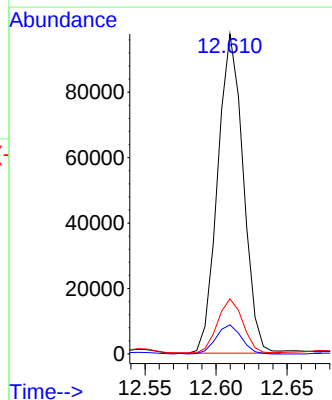
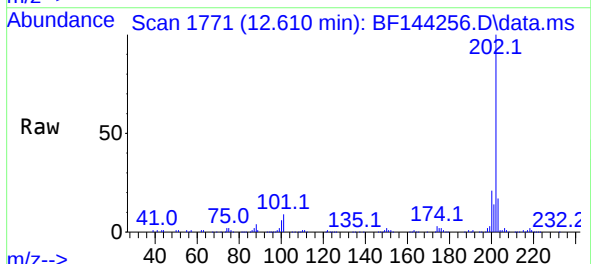
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

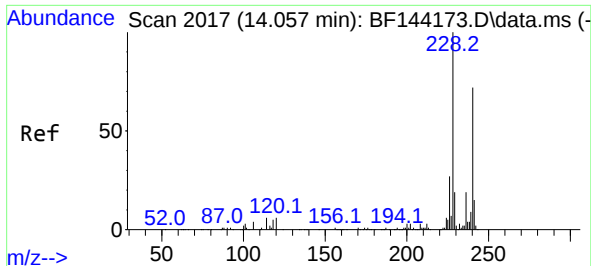
Tgt Ion:178 Resp: 23820
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 16.6 12.0 18.0



#75
Fluoranthene
Concen: 20.312 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:202 Resp: 121948
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.9
203 17.2 0.0 37.5

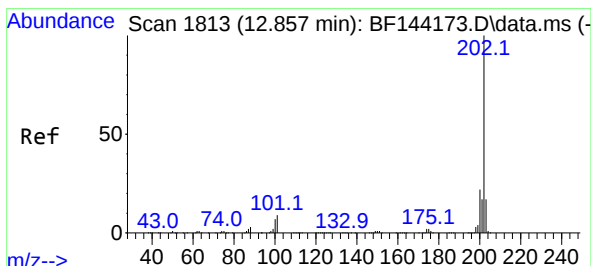
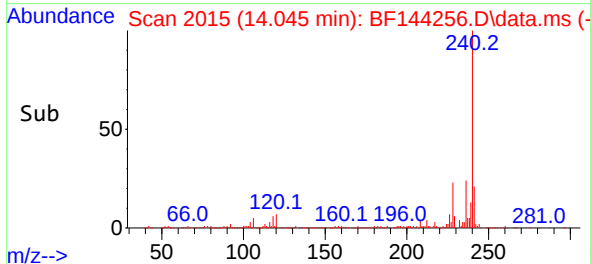
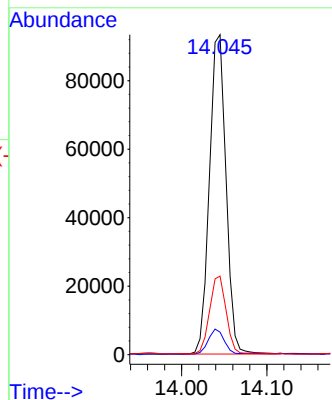
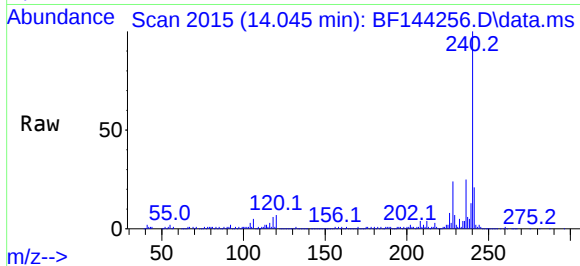




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

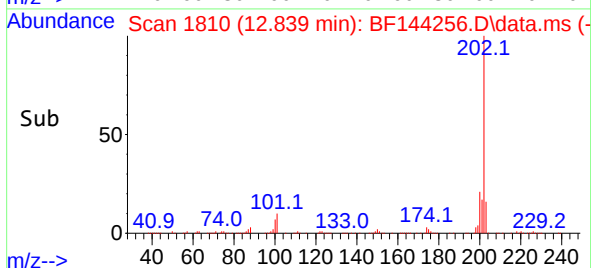
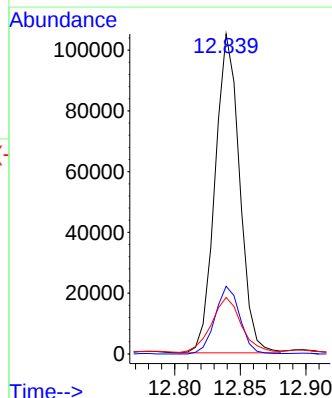
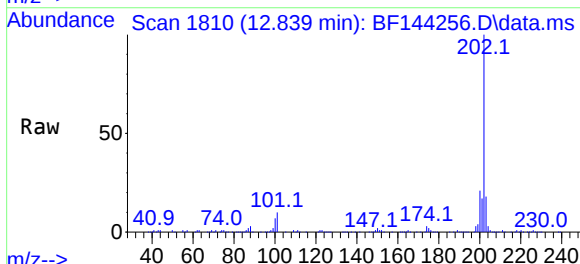
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

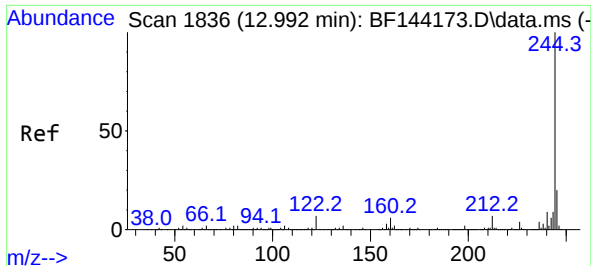
Tgt Ion:240 Resp: 126192
Ion Ratio Lower Upper
240 100
120 7.1 6.6 10.0
236 24.6 21.4 32.2



#78
Pyrene
Concen: 13.410 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

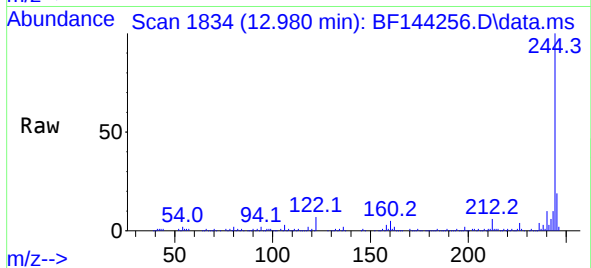
Tgt Ion:202 Resp: 136442
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.7 13.7 20.5



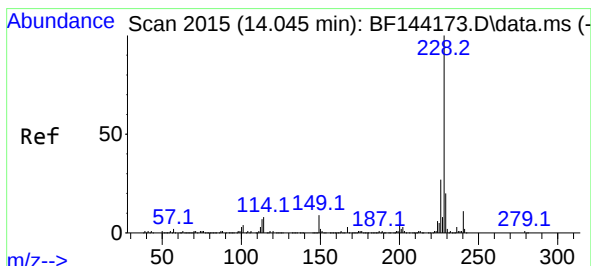
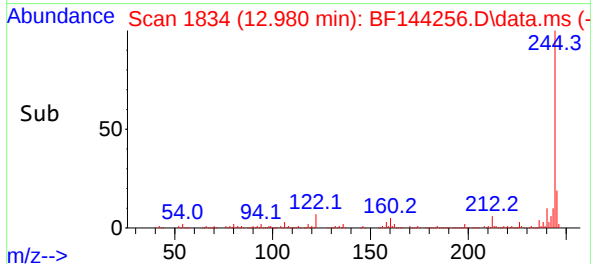
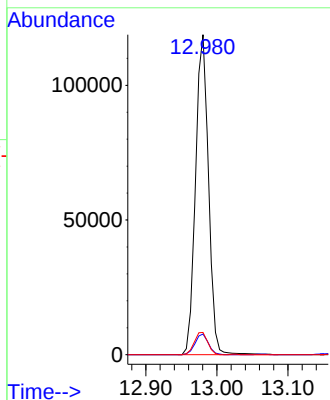


#79
Terphenyl-d14
Concen: 19.002 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

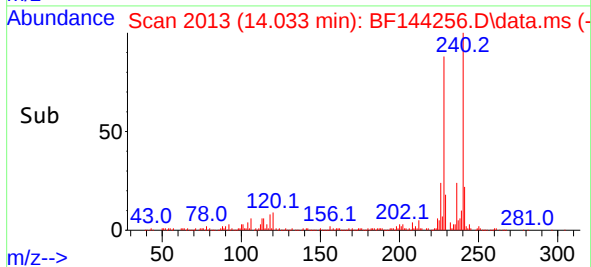
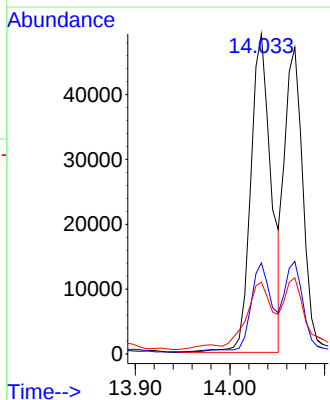
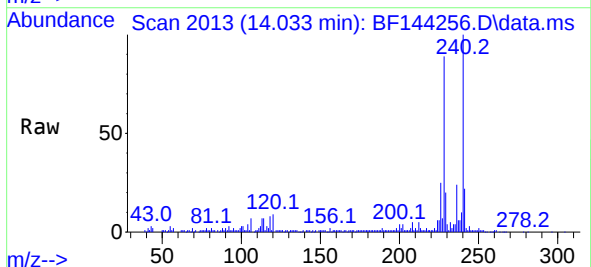


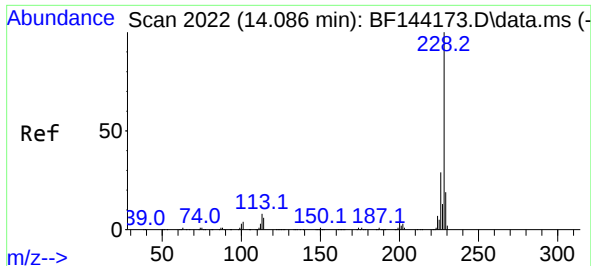
Tgt Ion:244 Resp: 150964
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 6.9 5.6 8.4



#81
Benzo(a)anthracene
Concen: 8.494 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:228 Resp: 74288
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.8
229 22.5 15.8 23.6

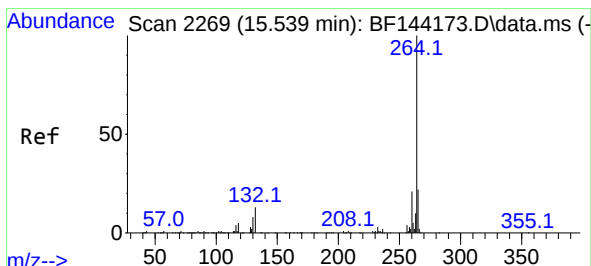
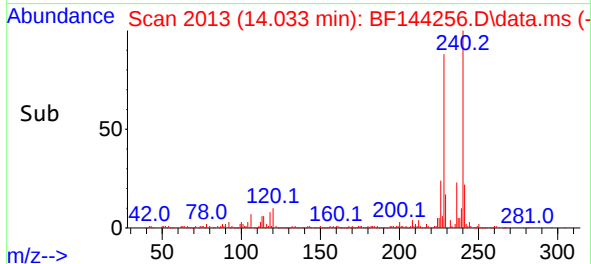
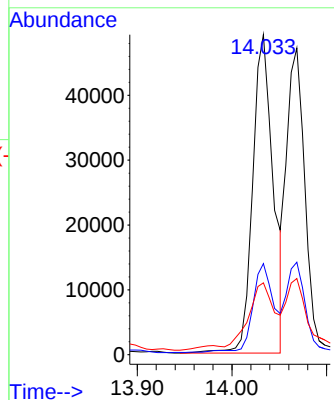
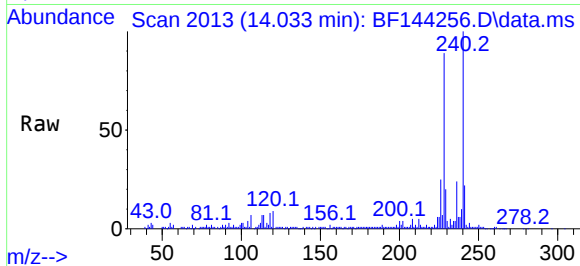




#83
Chrysene
Concen: 9.201 ng
RT: 14.033 min Scan# 2022
Delta R.T. -0.047 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

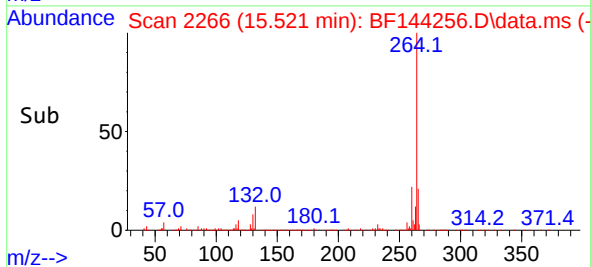
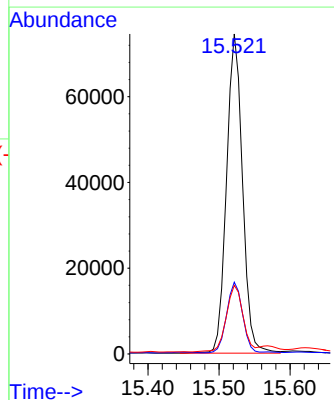
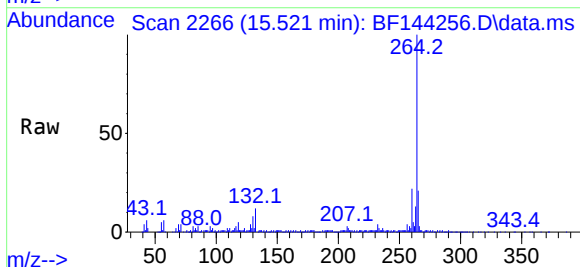
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

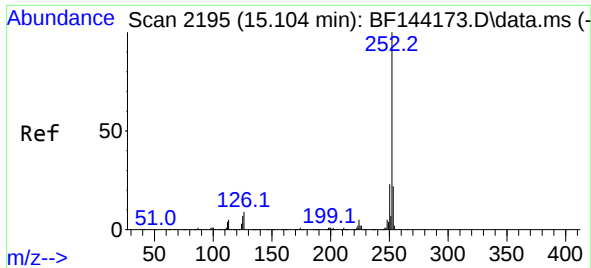
Tgt Ion:228 Resp: 74288
Ion Ratio Lower Upper
228 100
226 28.5 22.9 34.3
229 22.5 15.0 22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:264 Resp: 116334
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 21.5 17.4 26.0

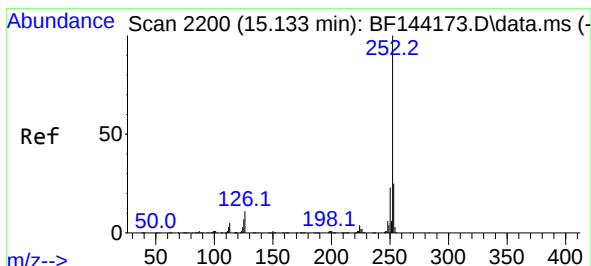
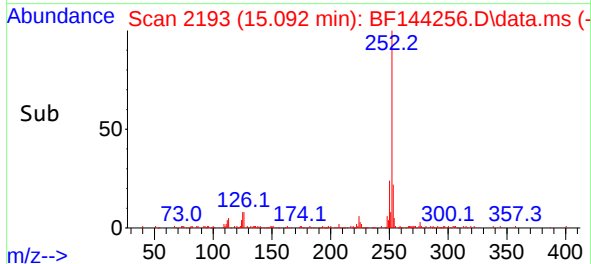
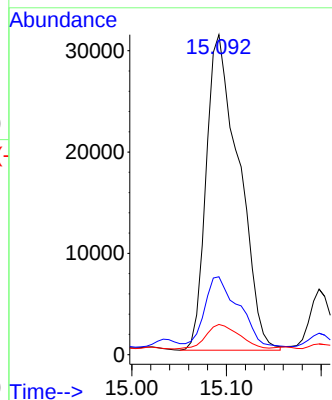
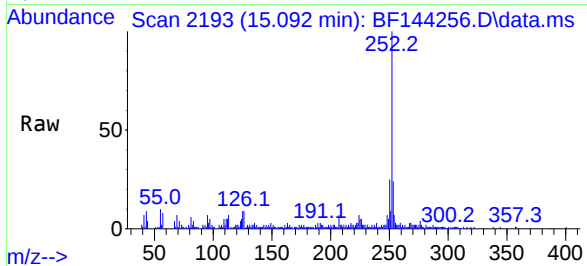




#88
Benzo(b)fluoranthene
Concen: 11.280 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

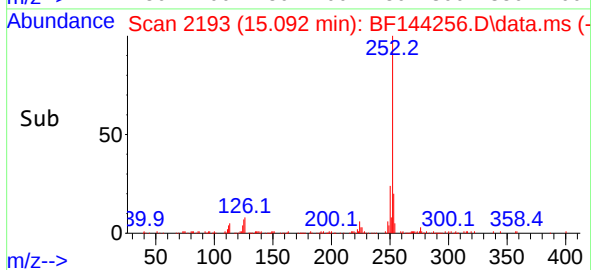
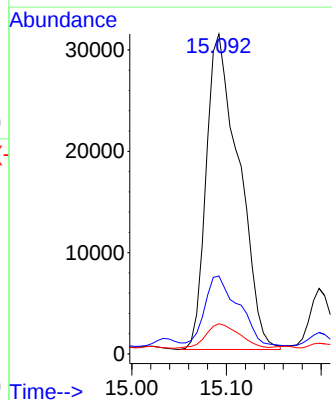
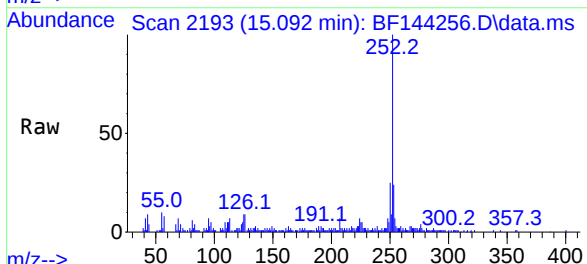
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

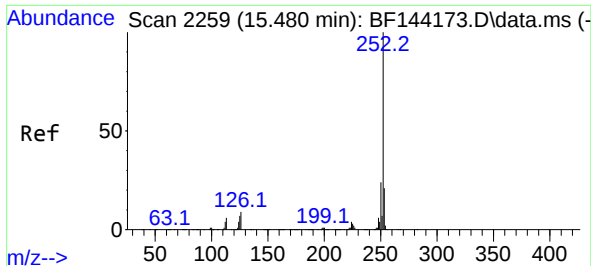
Tgt Ion:252 Resp: 74605
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 9.4 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 12.051 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:252 Resp: 74605
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 9.4 5.4 8.2#

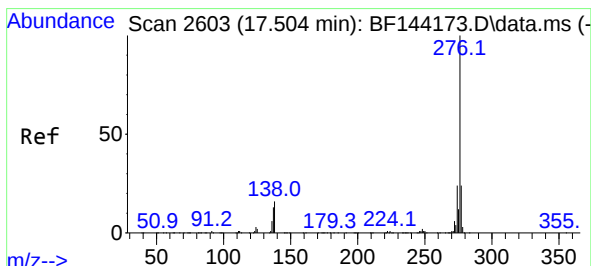
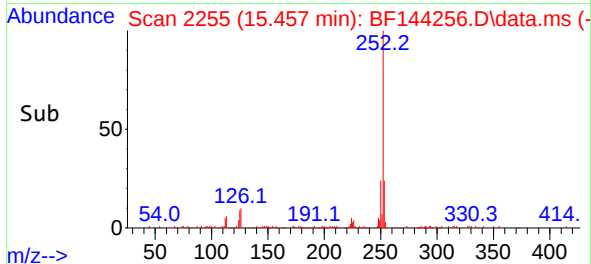
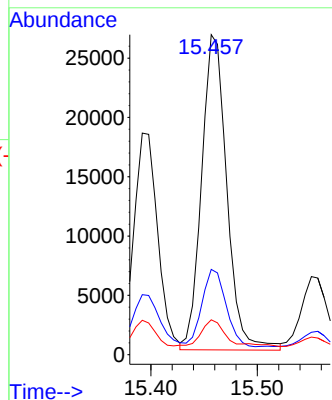
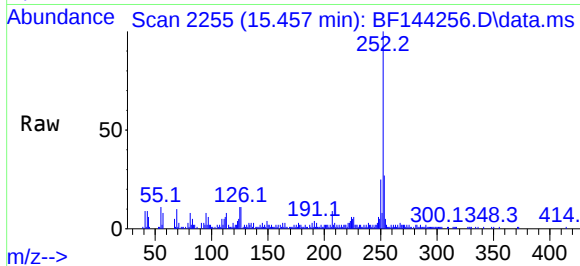




#90
Benzo(a)pyrene
Concen: 7.206 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :
BNA_F
ClientSampleId :
OK-02-11122025

Tgt Ion:252 Resp: 43967
Ion Ratio Lower Upper
252 100
253 26.6 16.7 25.1#
125 10.9 5.7 8.5#



#92
Benzo(g,h,i)perylene
Concen: 2.861 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.024 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:276 Resp: 18949
Ion Ratio Lower Upper
276 100
277 21.8 19.0 28.4
138 18.8 12.9 19.3

