

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144067.D
 Acq On : 24 Oct 2025 18:20
 Operator : RC/JU
 Sample : Q3431-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-10222025

Quant Time: Oct 24 18:39:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

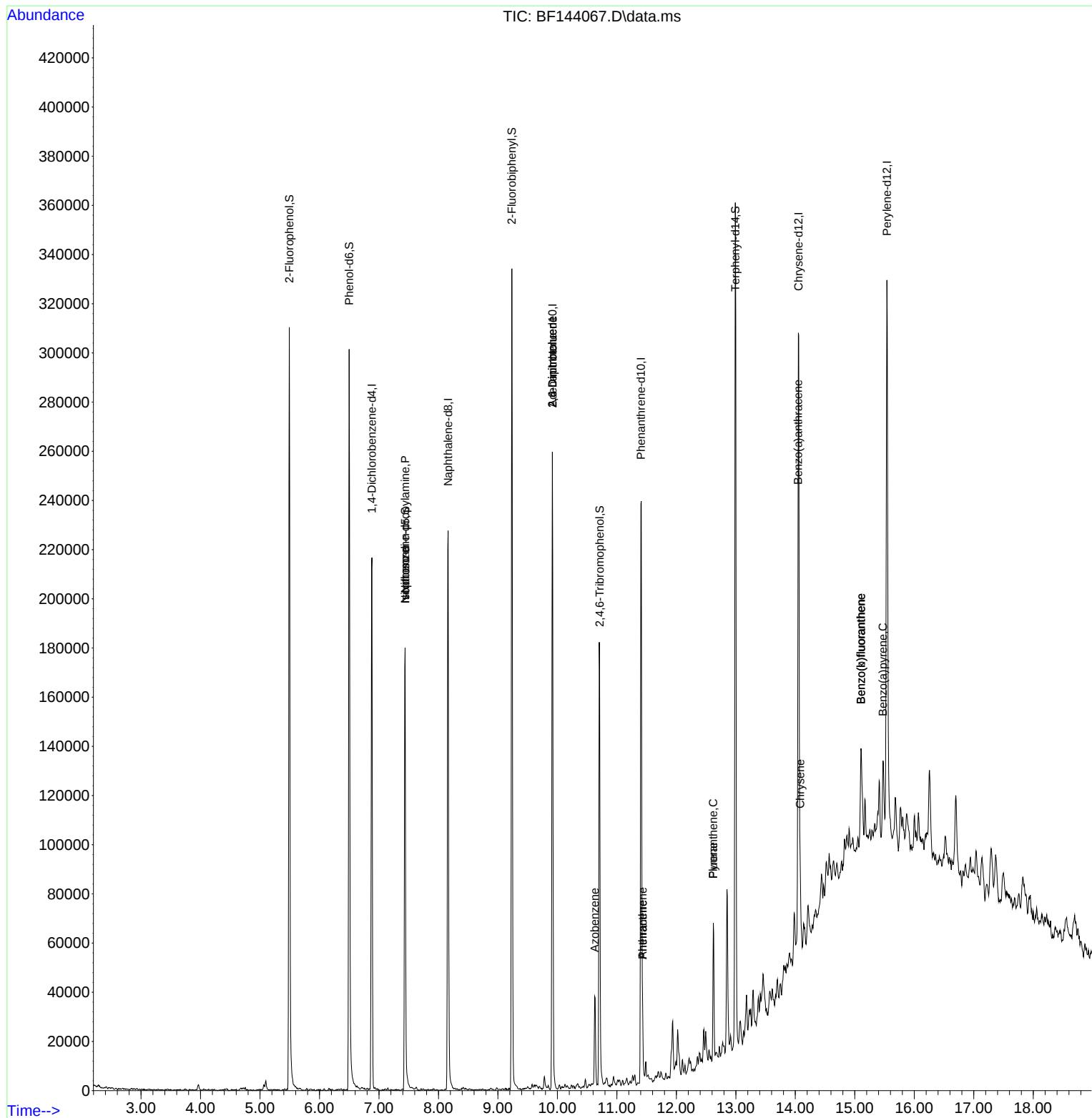
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	46455	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	155341	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	77992	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	133544	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122722	20.000	ng	0.00
86) Perylene-d12	15.539	264	152863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	119440	40.677	ng	0.00
7) Phenol-d6	6.498	99	127395	39.285	ng	0.00
23) Nitrobenzene-d5	7.440	82	80787	28.493	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	37848	38.097	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	152874	27.583	ng	0.00
79) Terphenyl-d14	12.992	244	175670	25.025	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	12378	5.903	ng	# 74
25) Isophorone	7.440	82	80786	16.297	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	10240	10.132	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	10240	7.507	ng	# 25
63) Azobenzene	10.628	77	10072	2.213	ng	# 1
71) Phenanthrene	11.433	178	16357	2.466	ng	94
72) Anthracene	11.433	178	16357	2.387	ng	97
75) Fluoranthene	12.622	202	34334	4.685	ng	96
78) Pyrene	12.622	202	34334	3.891	ng	96
81) Benzo(a)anthracene	14.045	228	24669	2.974	ng	# 93
83) Chrysene	14.080	228	20906	2.686	ng	97
88) Benzo(b)fluoranthene	15.104	252	32139	3.719	ng	# 87
89) Benzo(k)fluoranthene	15.104	252	32139	4.031	ng	# 87
90) Benzo(a)pyrene	15.474	252	19254	2.483	ng	# 87

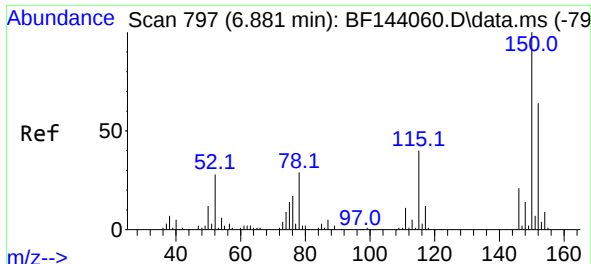
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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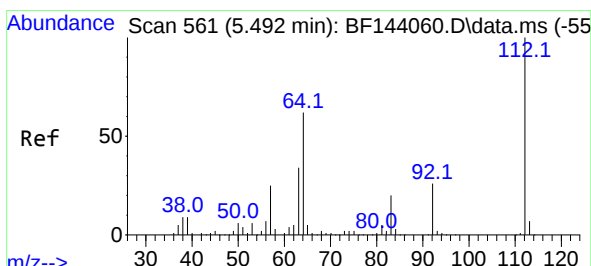
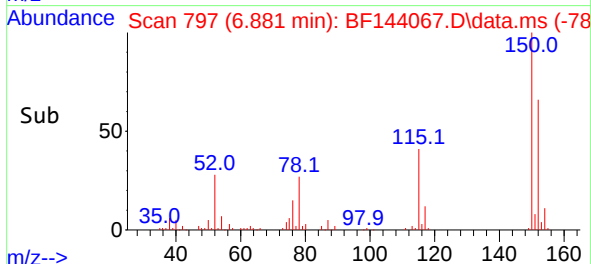
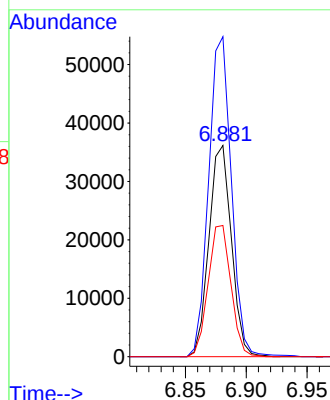
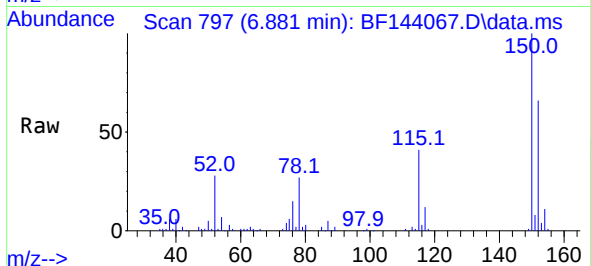




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

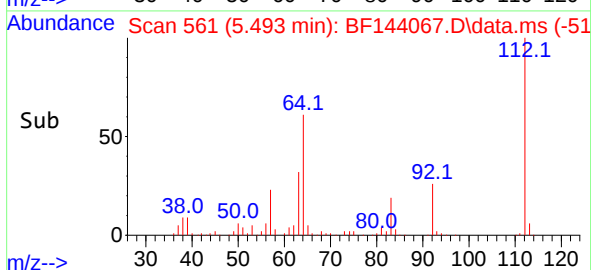
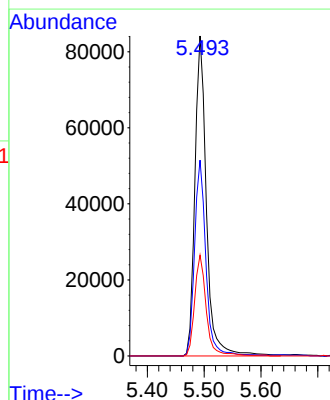
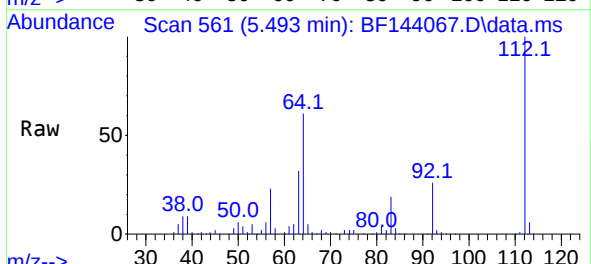
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

Tgt Ion:152 Resp: 46455
Ion Ratio Lower Upper
152 100
150 151.5 124.4 186.6
115 62.1 49.4 74.0



#5
2-Fluorophenol
Concen: 40.677 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion:112 Resp: 119440
Ion Ratio Lower Upper
112 100
64 61.2 49.8 74.8
63 31.5 27.4 41.2

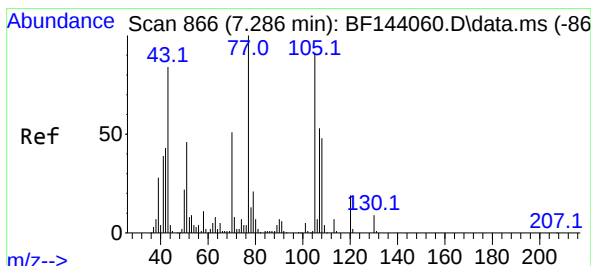
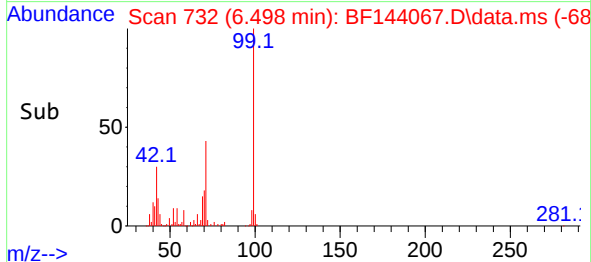
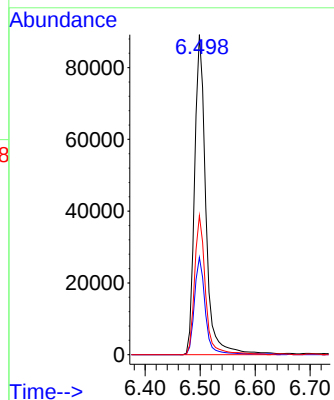
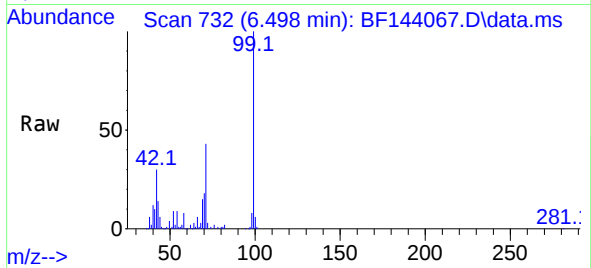




#7
Phenol-d6
Concen: 39.285 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

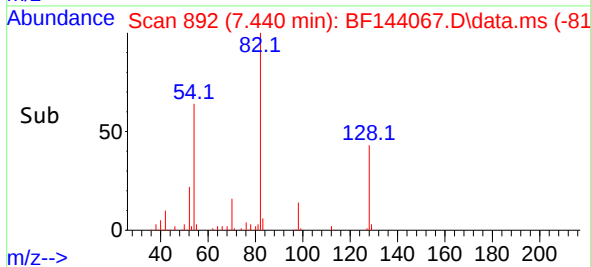
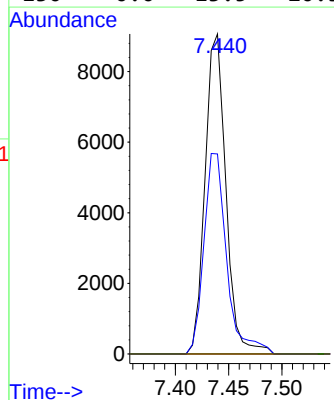
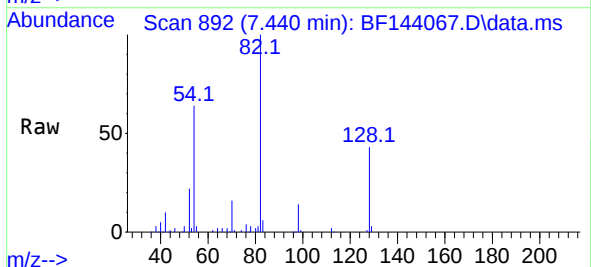
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

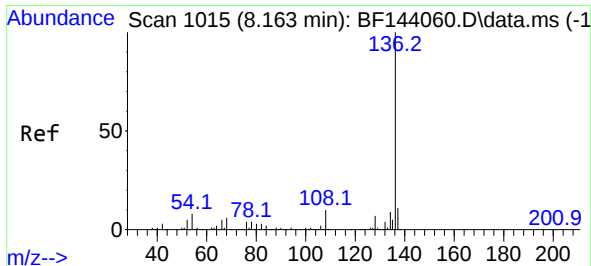
Tgt Ion: 99 Resp: 127395
Ion Ratio Lower Upper
99 100
42 30.4 23.9 35.9
71 43.4 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.903 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion: 70 Resp: 12378
Ion Ratio Lower Upper
70 100
42 62.5 67.4 101.0#
101 0.0 7.1 10.7#
130 0.0 13.5 20.3#

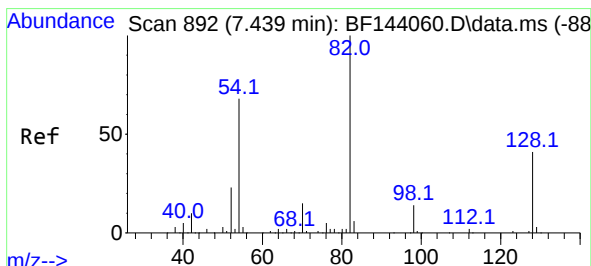
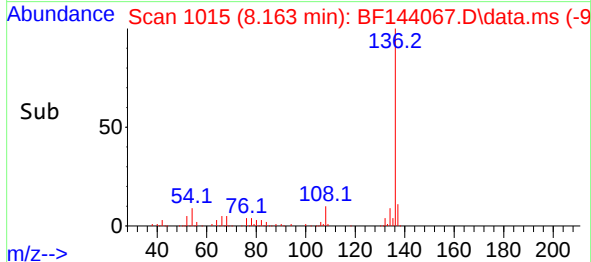
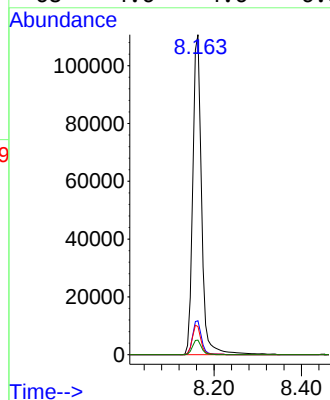
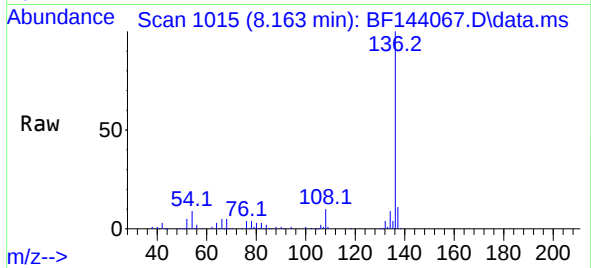




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

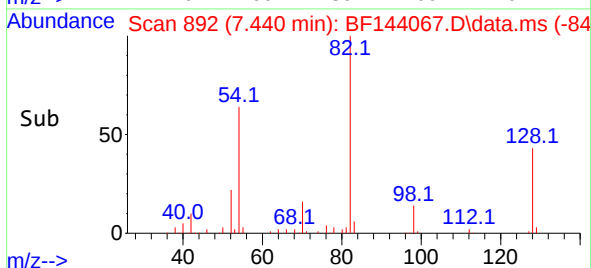
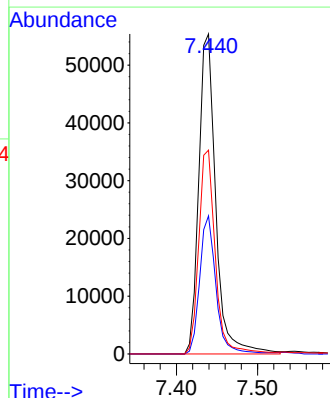
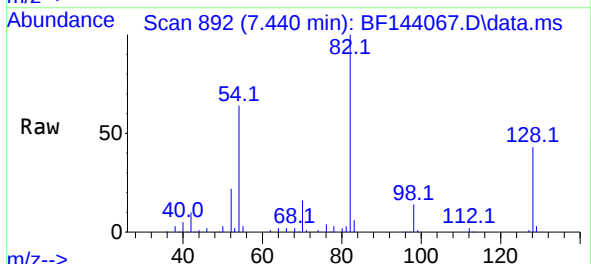
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

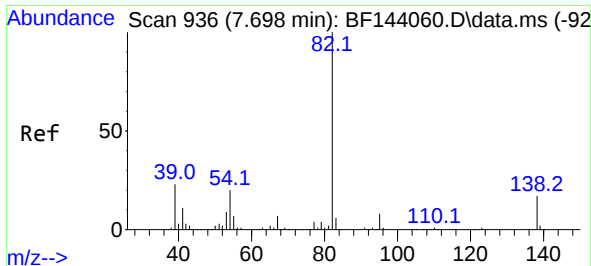
Tgt Ion:136 Resp: 155341
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.8 6.6 9.8
68 4.6 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 28.493 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion: 82 Resp: 80787
Ion Ratio Lower Upper
82 100
128 43.2 32.4 48.6
54 63.7 54.0 81.0

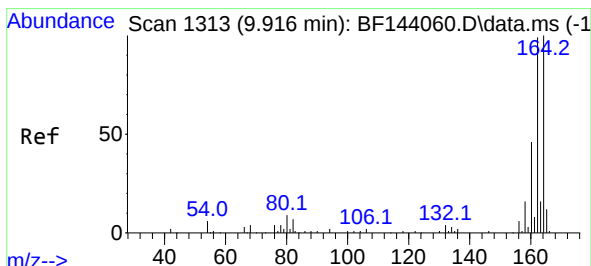
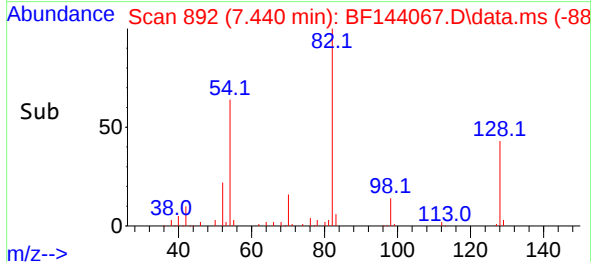
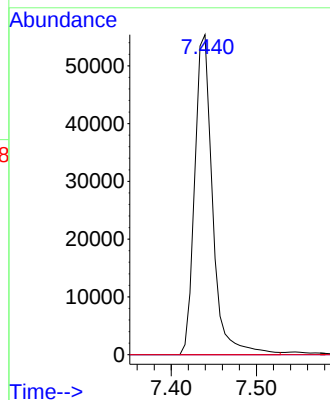
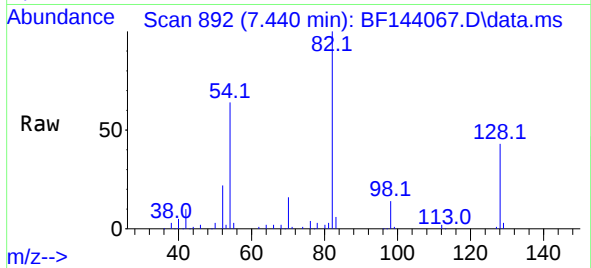




#25
Isophorone
Concen: 16.297 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

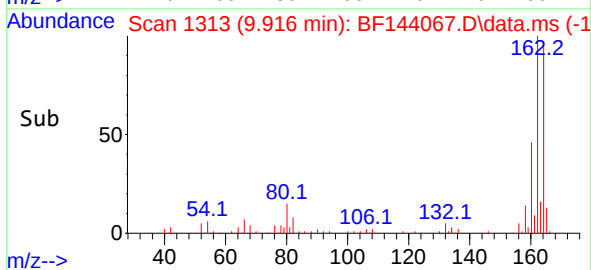
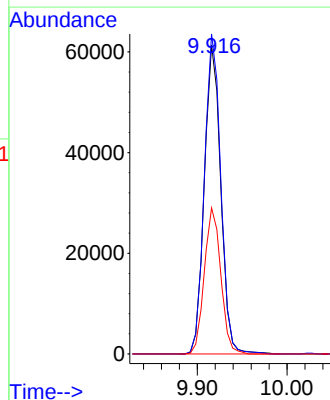
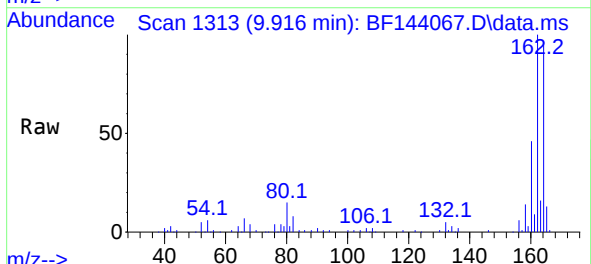
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

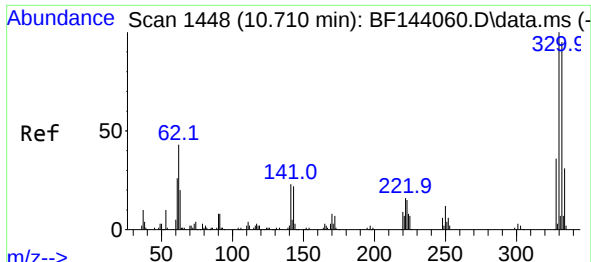
Tgt Ion: 82 Resp: 80786
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

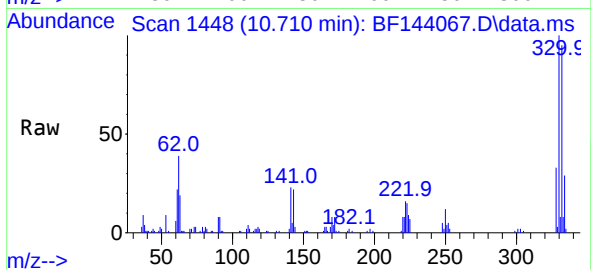
Tgt Ion:164 Resp: 77992
Ion Ratio Lower Upper
164 100
162 103.6 79.4 119.2
160 47.3 36.7 55.1



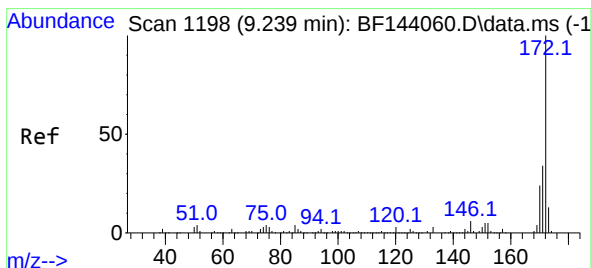
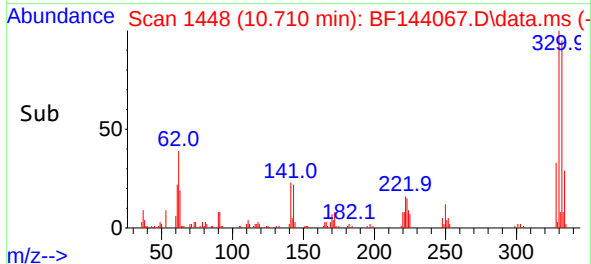
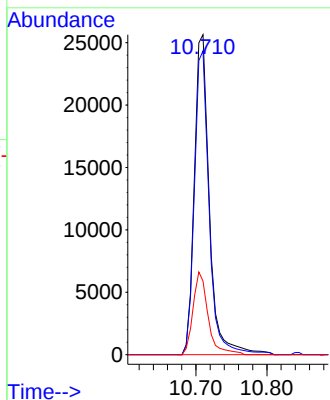


#42
2,4,6-Tribromophenol
Concen: 38.097 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

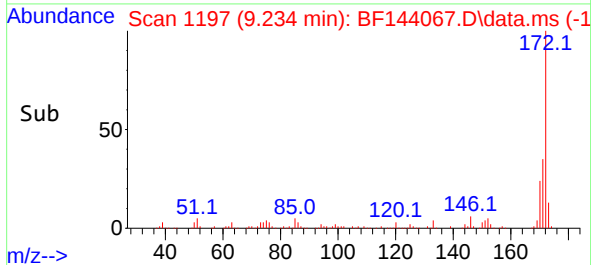
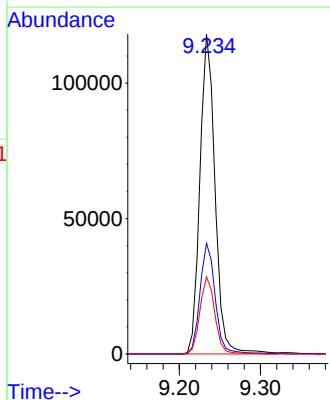
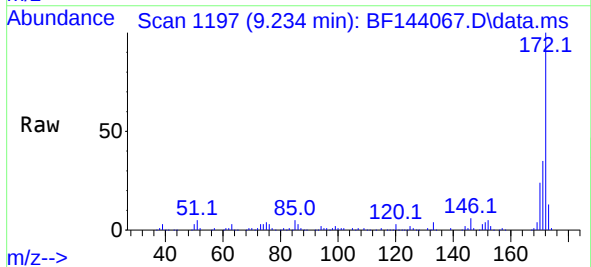


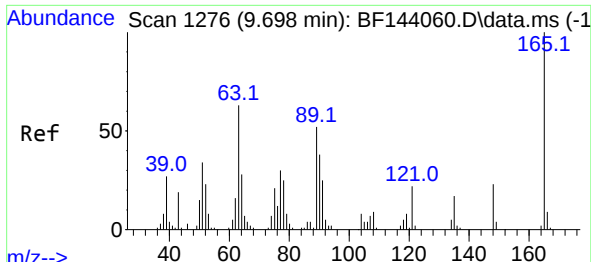
Tgt Ion:330 Resp: 37848
Ion Ratio Lower Upper
330 100
332 93.1 77.0 115.6
141 25.8 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 27.583 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion:172 Resp: 152874
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 24.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 10.132 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

Instrument :

BNA_F

ClientSampleId :

EO-02-10222025

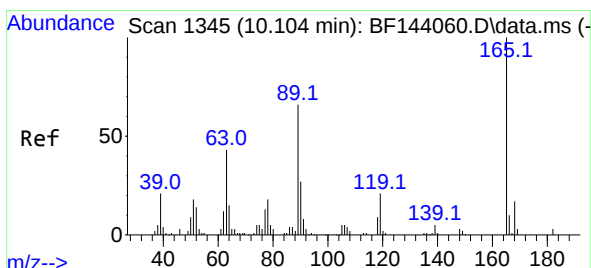
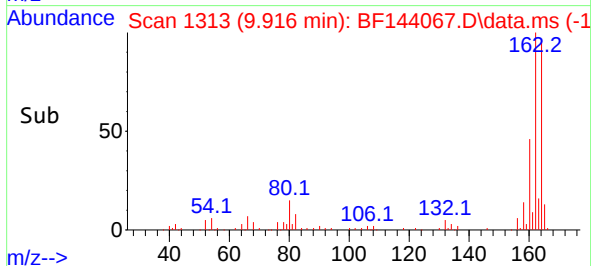
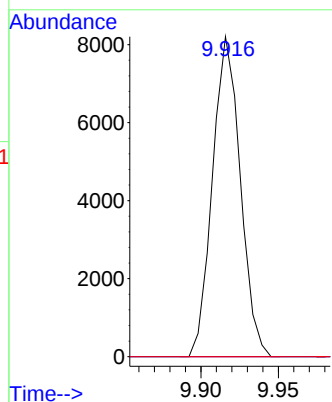
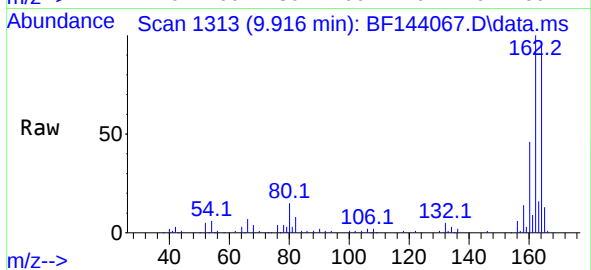
Tgt Ion:165 Resp: 10240

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 0.0 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.507 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

Tgt Ion:165 Resp: 10240

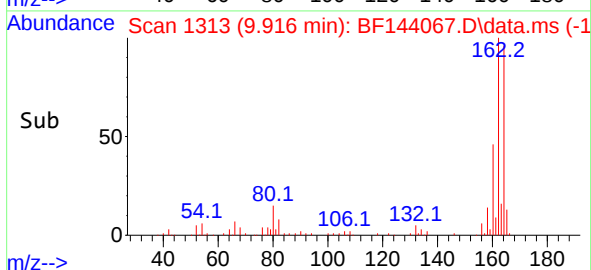
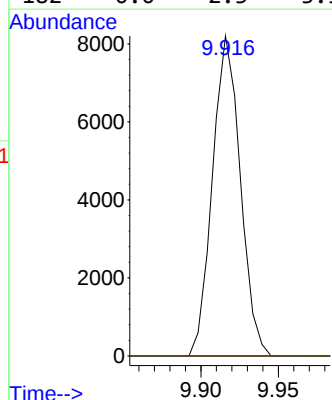
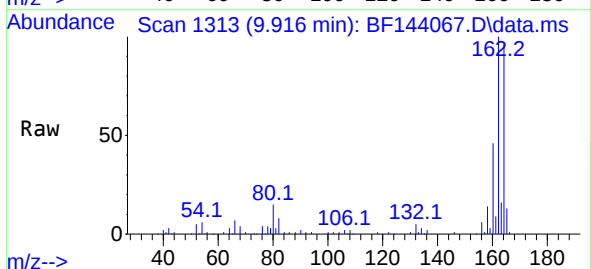
Ion Ratio Lower Upper

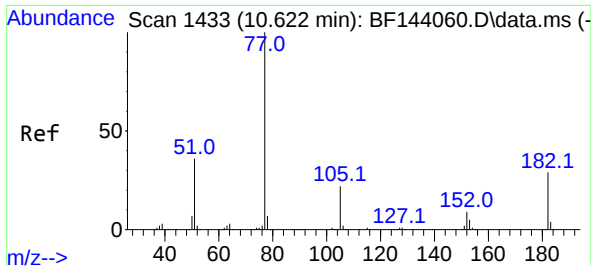
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#



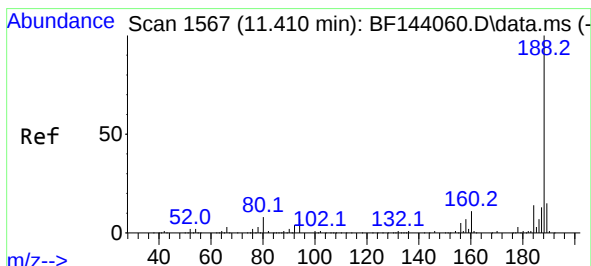
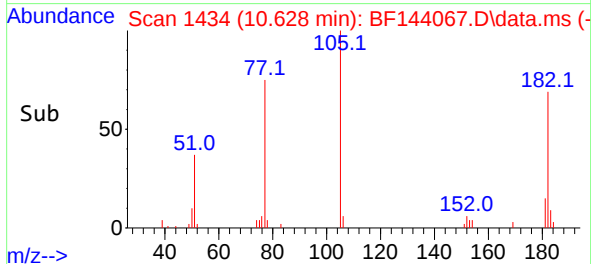
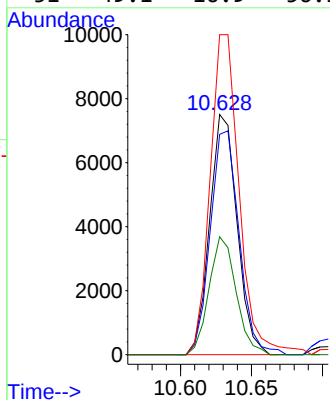
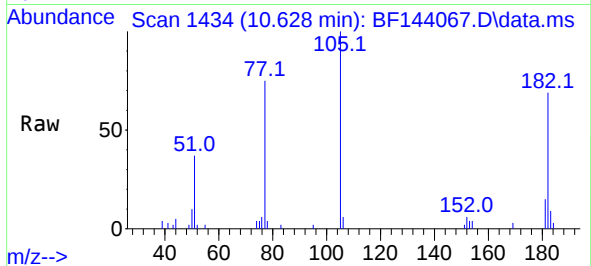


#63
Azobenzene
Concen: 2.213 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

Tgt Ion: 77 Resp: 10072

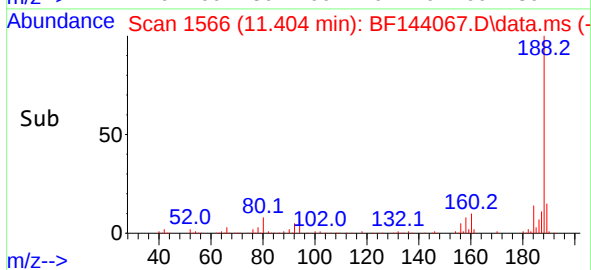
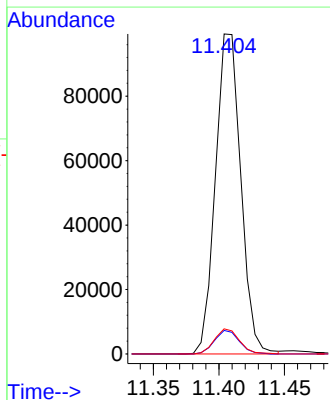
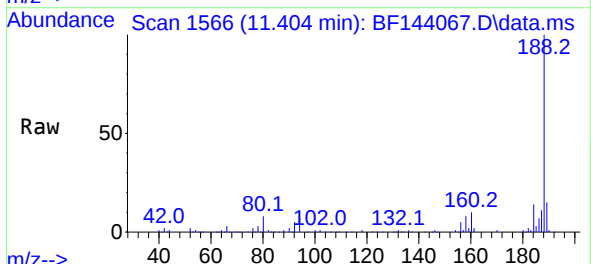
Ion	Ratio	Lower	Upper
77	100		
182	91.8	9.0	49.0#
105	133.3	1.4	41.4#
51	49.1	16.9	56.9

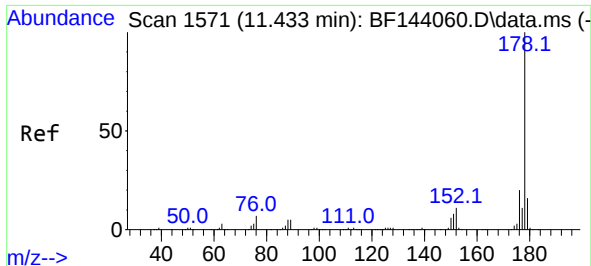


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion: 188 Resp: 133544

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.4	8.0
80	7.8	6.0	9.0

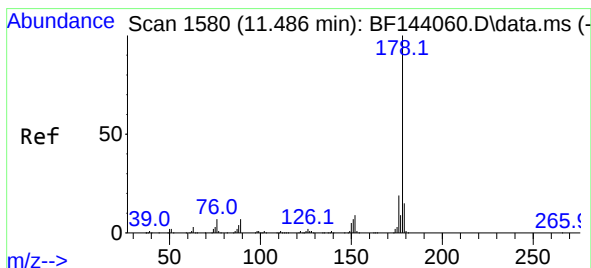
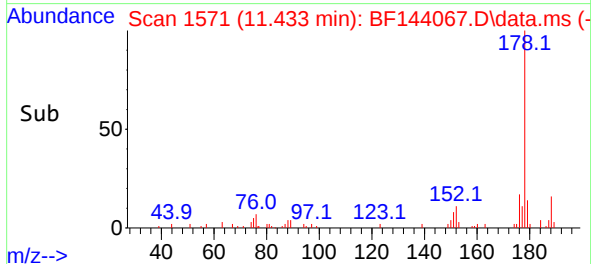
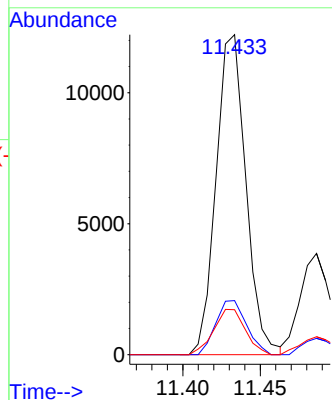
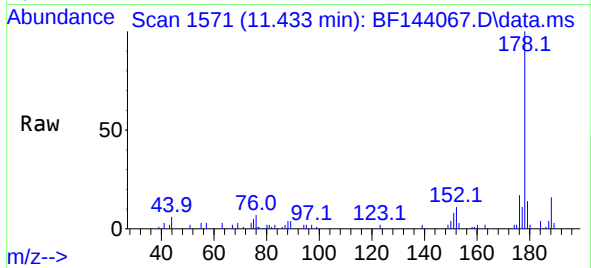




#71
Phenanthrene
Concen: 2.466 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

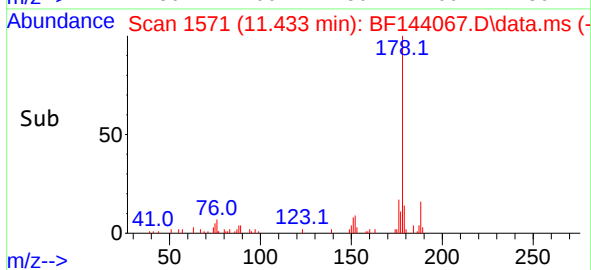
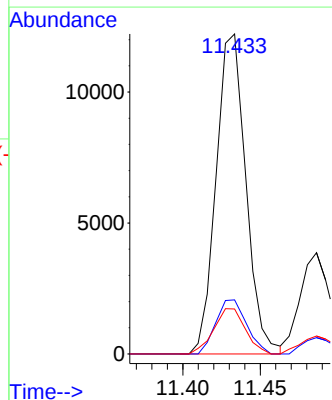
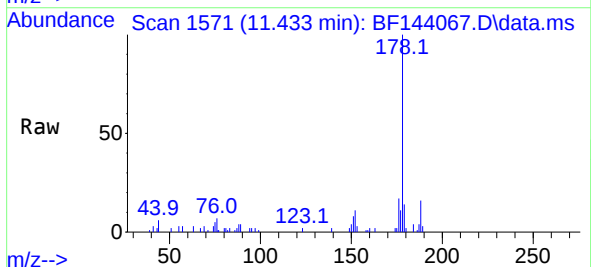
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

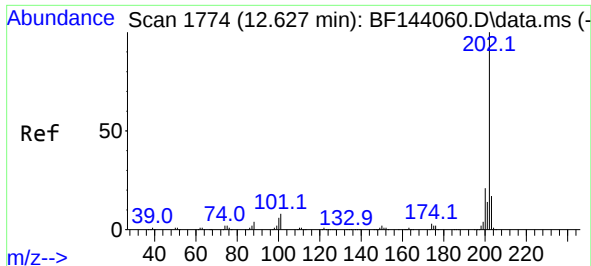
Tgt Ion:178 Resp: 16357
Ion Ratio Lower Upper
178 100
176 16.9 16.3 24.5
179 14.0 12.6 18.8



#72
Anthracene
Concen: 2.387 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.053 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion:178 Resp: 16357
Ion Ratio Lower Upper
178 100
176 16.9 15.0 22.4
179 14.0 11.8 17.6

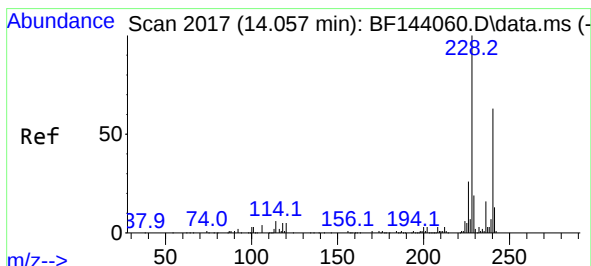
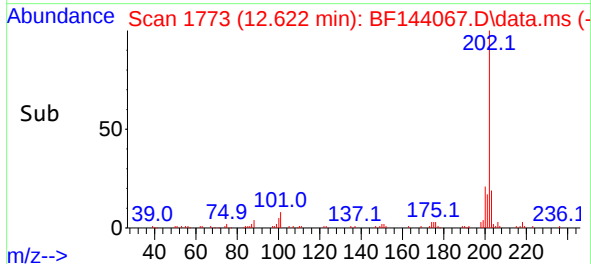
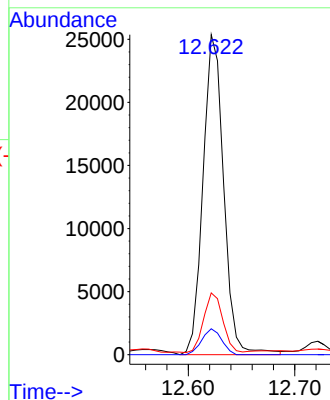
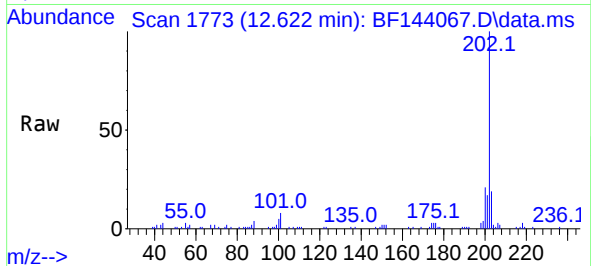




#75
Fluoranthene
Concen: 4.685 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

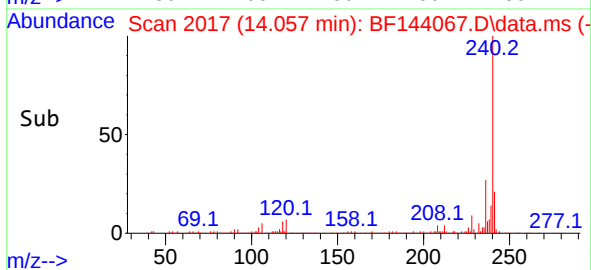
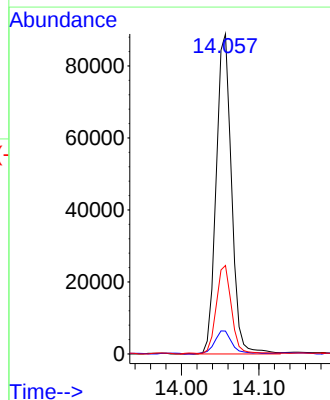
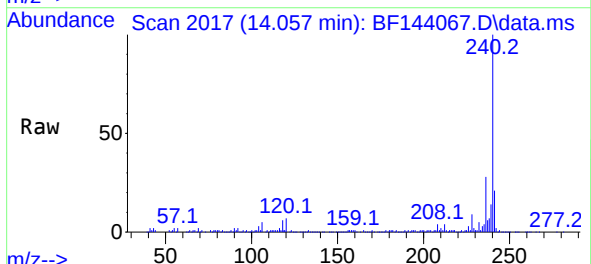
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

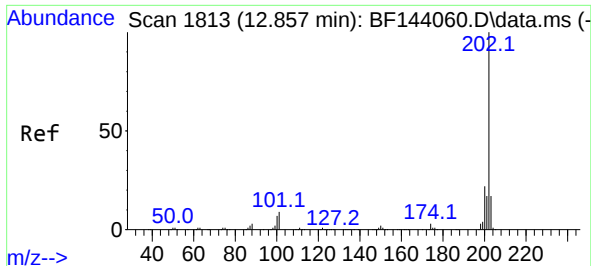
Tgt Ion:	202	Resp:	34334
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.7
203	19.3	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion:	240	Resp:	122722
Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	27.7	20.1	30.1

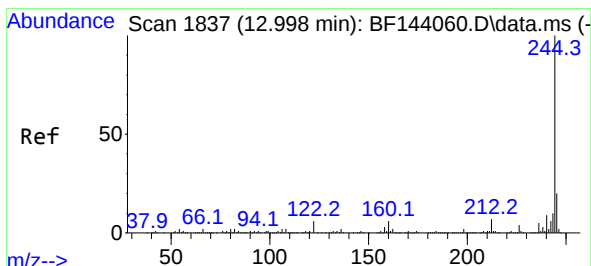
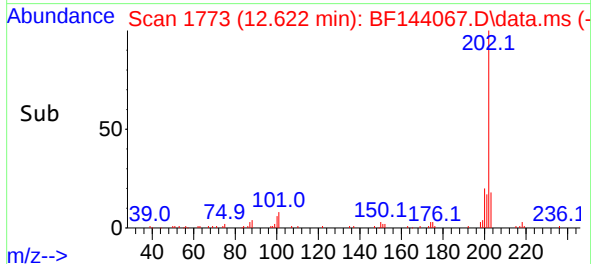
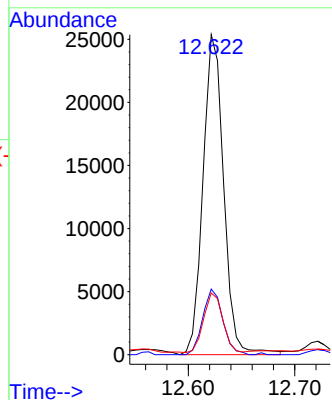
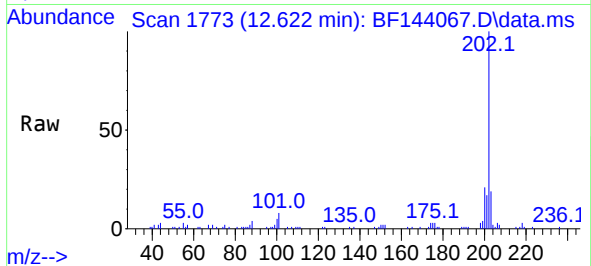




#78
Pyrene
Concen: 3.891 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

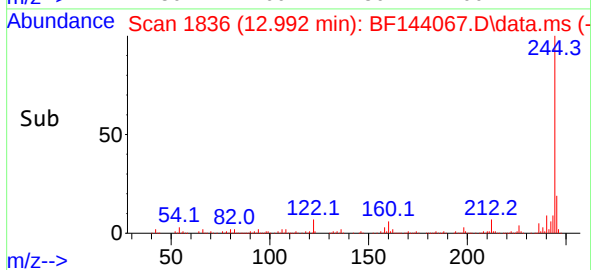
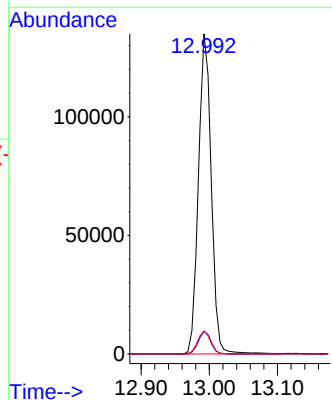
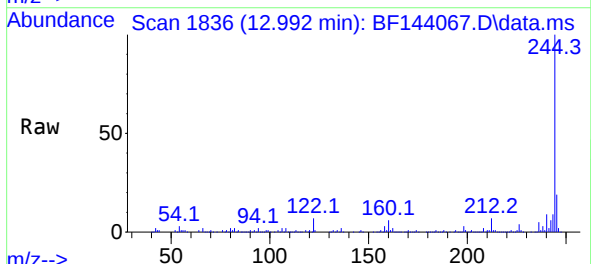
Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

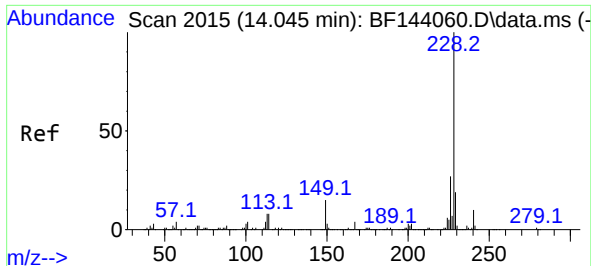
Tgt Ion:202 Resp: 34334
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 19.3 13.5 20.3



#79
Terphenyl-d14
Concen: 25.025 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

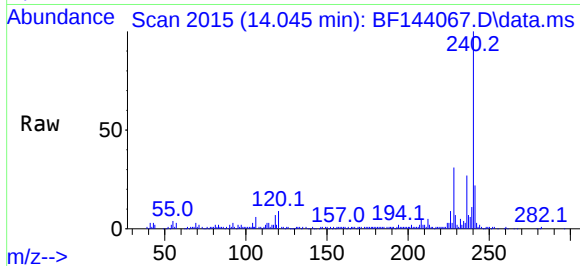
Tgt Ion:244 Resp: 175670
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 7.2 4.9 7.3



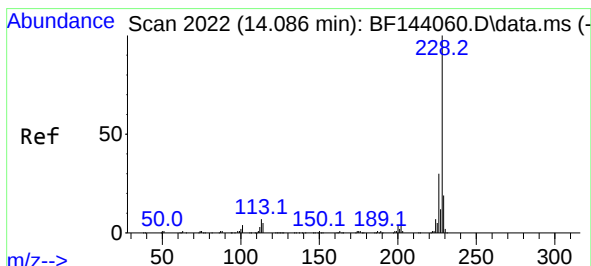
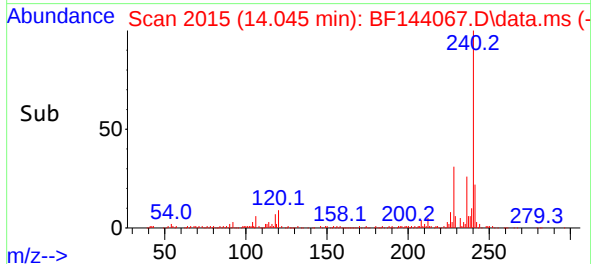
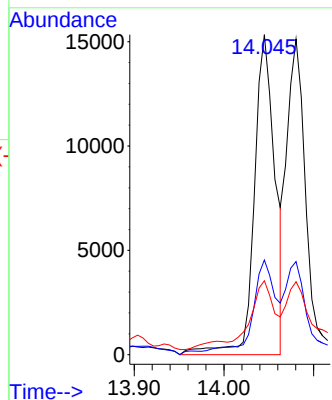


#81
Benzo(a)anthracene
Concen: 2.974 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

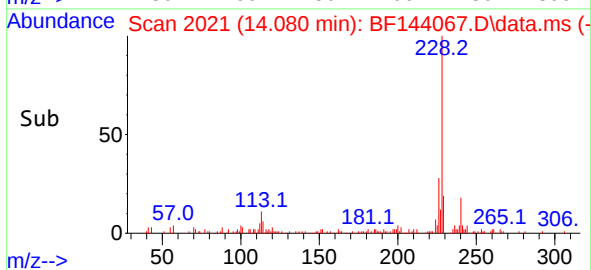
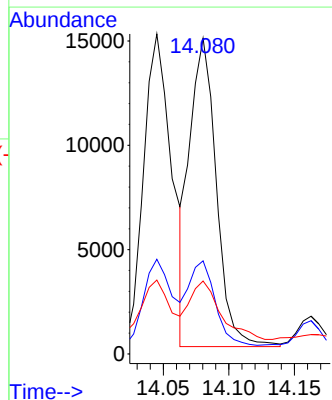
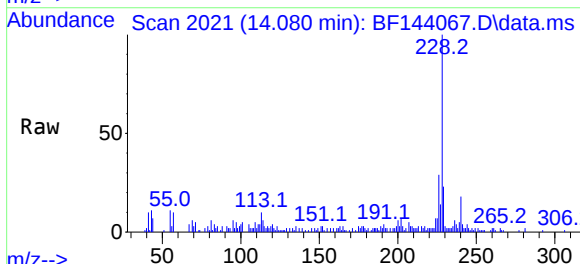


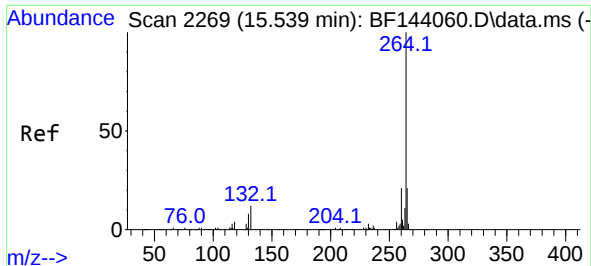
Tgt Ion:228 Resp: 24669
Ion Ratio Lower Upper
228 100
226 29.6 21.4 32.2
229 23.1 15.3 22.9#



#83
Chrysene
Concen: 2.686 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion:228 Resp: 20906
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 23.1 15.6 23.4



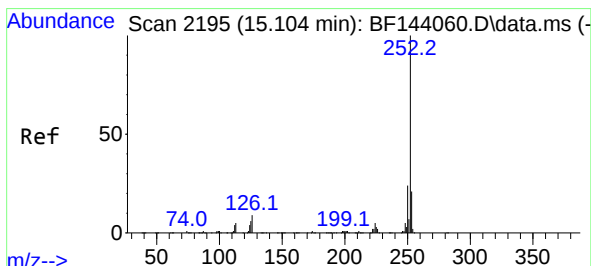
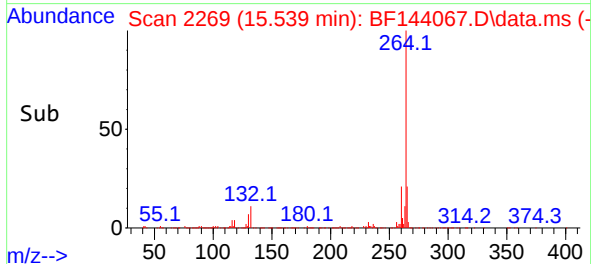
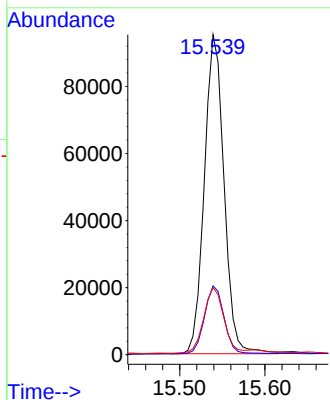
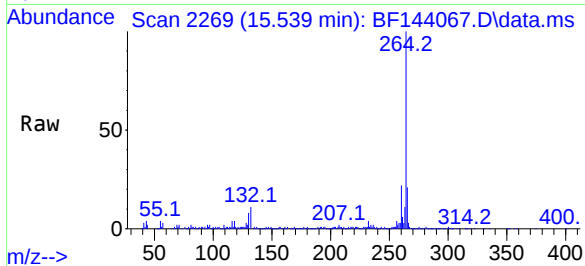


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Instrument :
BNA_F
ClientSampleId :
EO-02-10222025

Tgt Ion:264 Resp: 152863

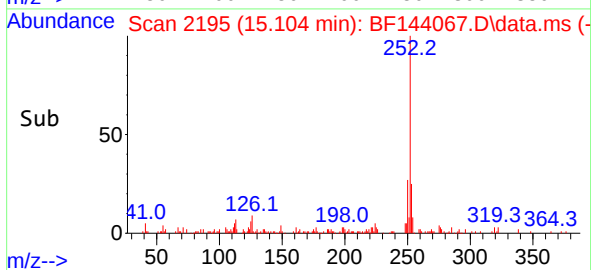
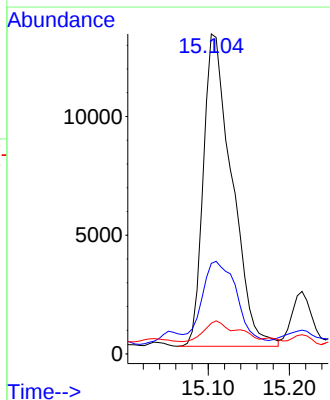
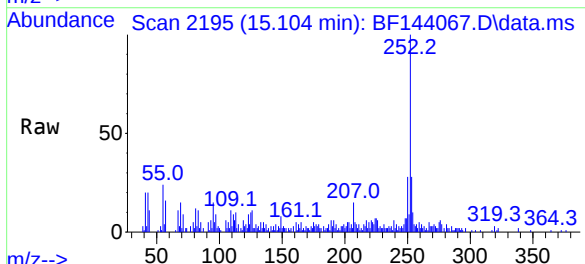
Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.0	25.4
265	20.9	16.6	24.8

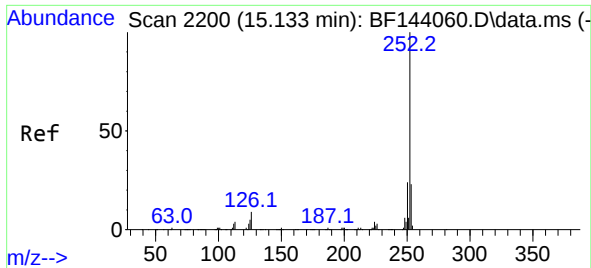


#88
Benzo(b)fluoranthene
Concen: 3.719 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144067.D
Acq: 24 Oct 2025 18:20

Tgt Ion:252 Resp: 32139

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.2	25.8#
125	9.6	5.0	7.6#





#89

Benzo(k)fluoranthene

Concen: 4.031 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

Instrument :

BNA_F

ClientSampleId :

EO-02-10222025

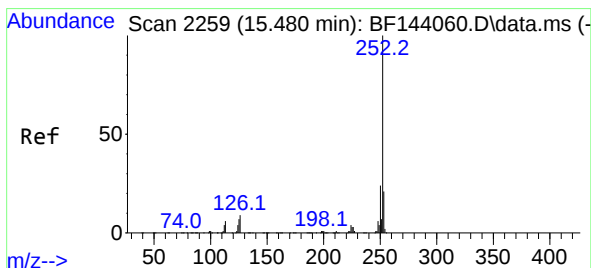
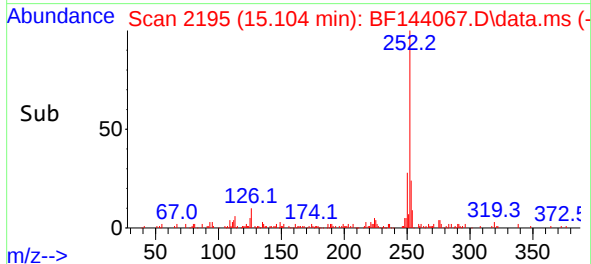
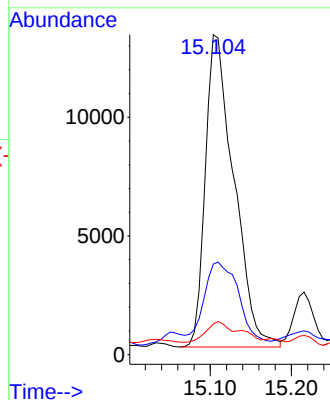
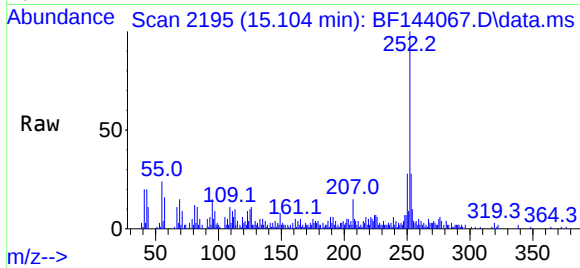
Tgt Ion:252 Resp: 32139

Ion Ratio Lower Upper

252 100

253 28.3 17.4 26.2#

125 9.6 4.9 7.3#



#90

Benzo(a)pyrene

Concen: 2.483 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF144067.D

Acq: 24 Oct 2025 18:20

Tgt Ion:252 Resp: 19254

Ion Ratio Lower Upper

252 100

253 27.9 17.1 25.7#

125 11.0 5.4 8.2#

