

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142825.D
 Acq On : 24 Jun 2025 18:03
 Operator : RC/JU
 Sample : Q2393-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

Quant Time: Jun 25 01:29:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

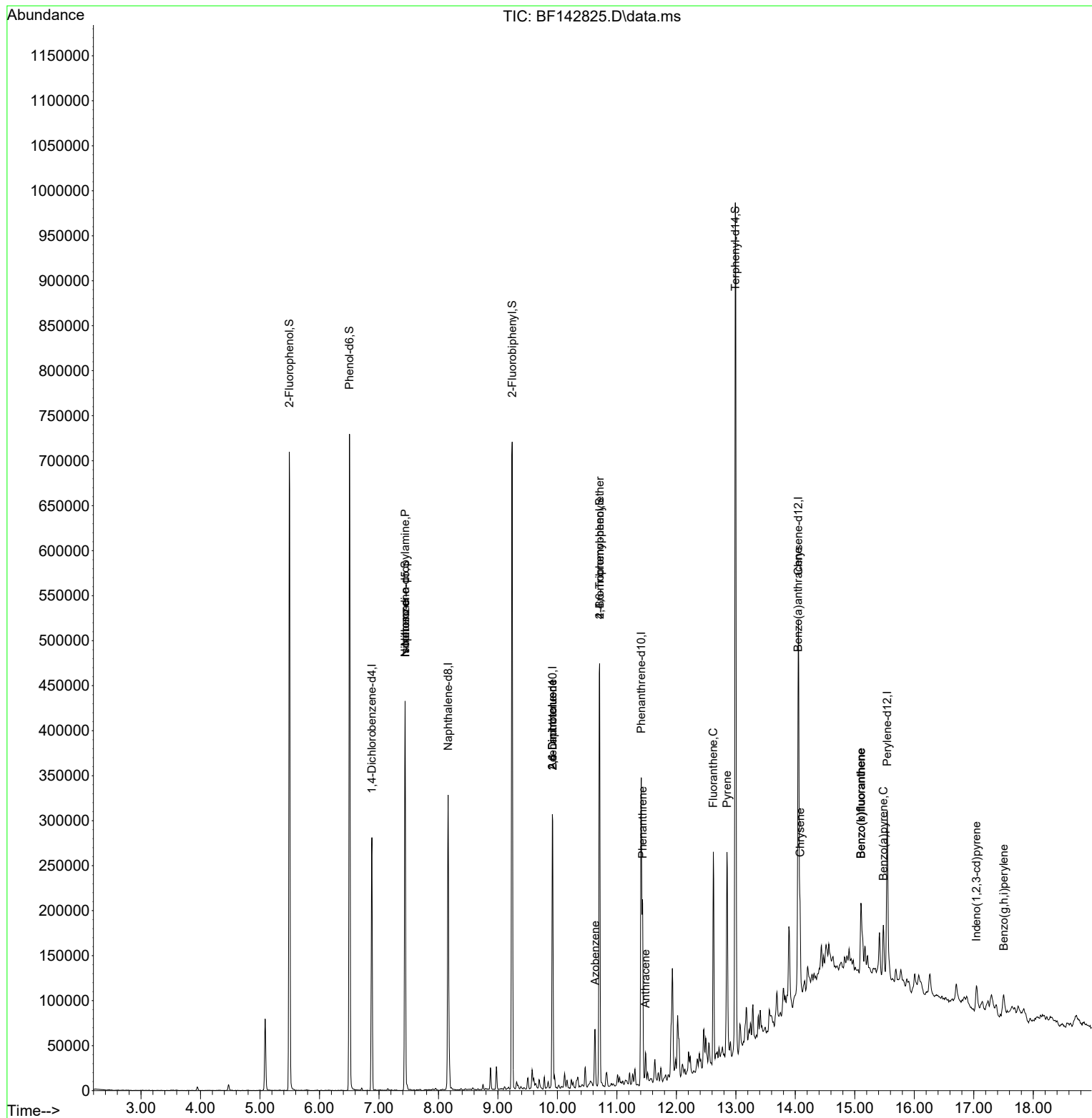
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62168	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	204115	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	93623	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	176025	20.000	ng	0.00
76) Chrysene-d12	14.051	240	164289	20.000	ng	0.00
86) Perylene-d12	15.545	264	108830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	274425	73.494	ng	0.00
7) Phenol-d6	6.504	99	322389	73.181	ng	0.00
23) Nitrobenzene-d5	7.440	82	176503	47.431	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	79439	82.453	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	330689	46.401	ng	0.00
79) Terphenyl-d14	12.992	244	454273	38.205	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	23160	9.039	ng	# 77
25) Isophorone	7.440	82	176501	29.567	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12426	9.337	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12426	7.029	ng	# 26
63) Azobenzene	10.634	77	14439	2.719	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5274	2.633	ng	# 1
71) Phenanthrene	11.433	178	109101	11.442	ng	99
72) Anthracene	11.481	178	22143	2.264	ng	95
75) Fluoranthene	12.622	202	130199	14.387	ng	100
78) Pyrene	12.851	202	132593	8.610	ng	98
81) Benzo(a)anthracene	14.045	228	67610	6.100	ng	# 94
83) Chrysene	14.080	228	52805	5.339	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.045	276	20448	2.467	ng	95
88) Benzo(b)fluoranthene	15.104	252	65094	10.337	ng	# 93
89) Benzo(k)fluoranthene	15.104	252	65094	11.048	ng	# 93
90) Benzo(a)pyrene	15.480	252	35069	5.764	ng	# 94
92) Benzo(g,h,i)perylene	17.504	276	20296	3.022	ng	96

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

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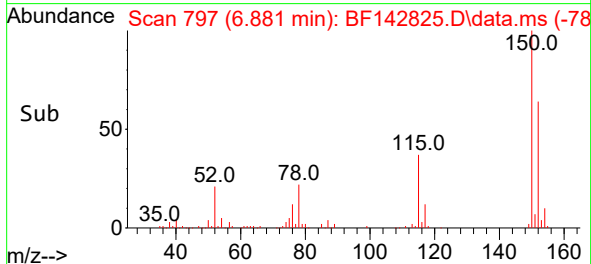
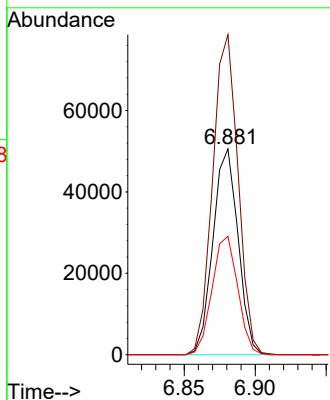
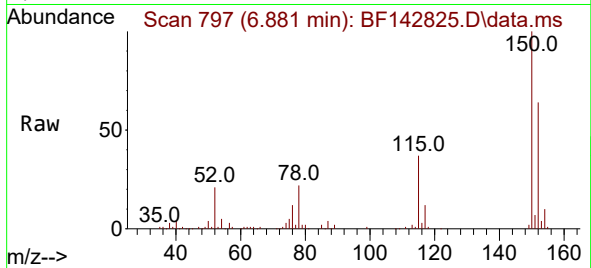




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

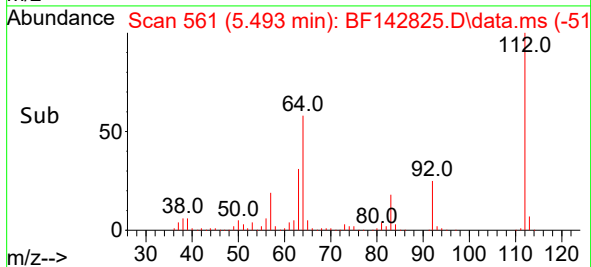
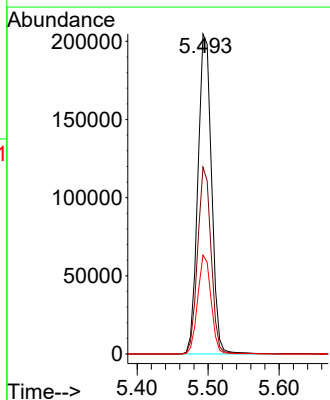
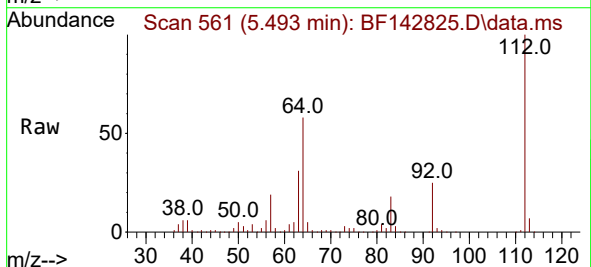
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PARK AVE -4

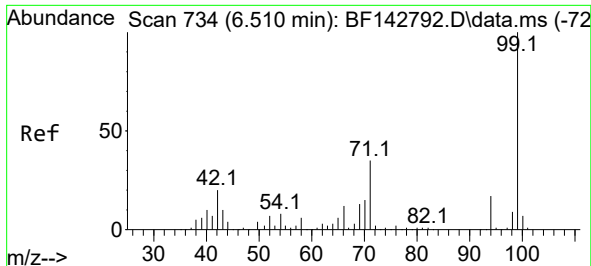
Tgt Ion:152 Resp: 62168
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 73.494 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:112 Resp: 274425
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.2
63 30.9 25.7 38.5

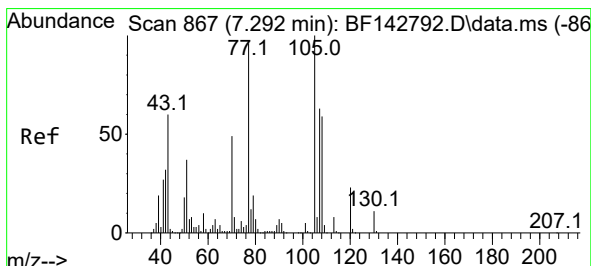
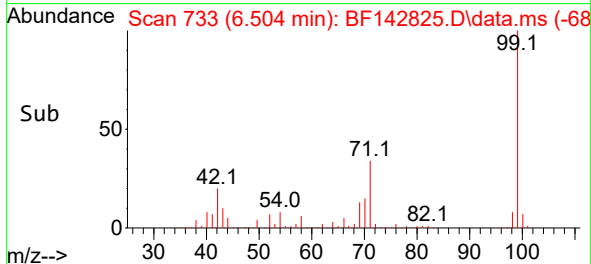
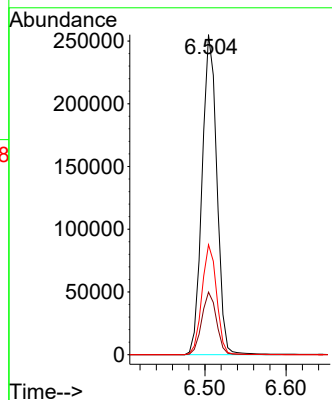
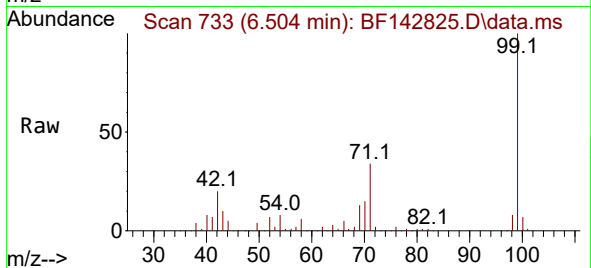




#7
Phenol-d6
Concen: 73.181 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

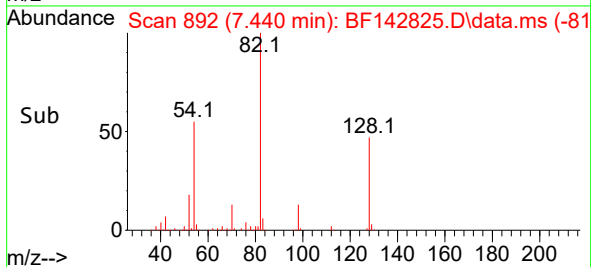
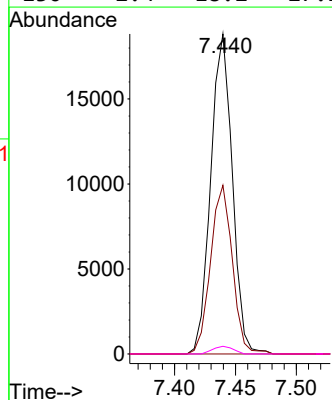
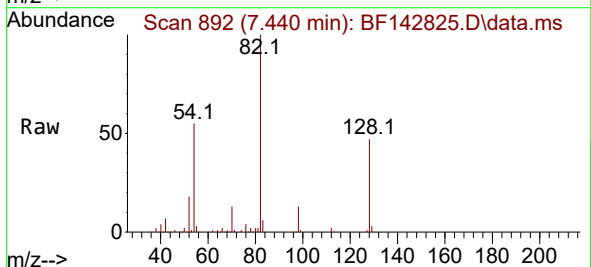
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Tgt Ion: 99 Resp: 322389
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.039 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion: 70 Resp: 23160
Ion Ratio Lower Upper
70 100
42 52.7 52.1 78.1
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#

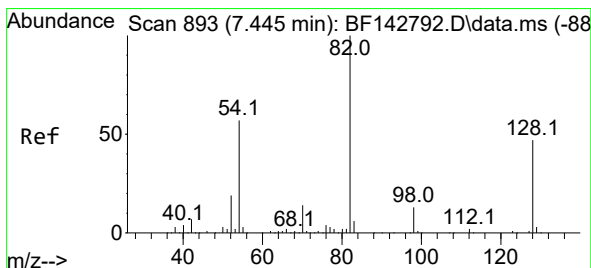
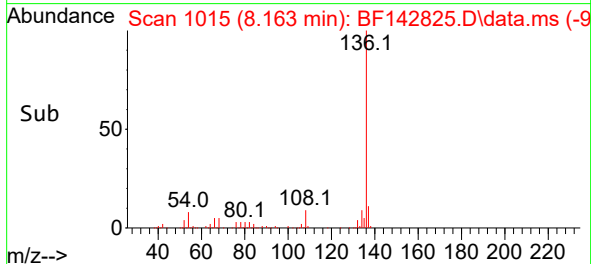
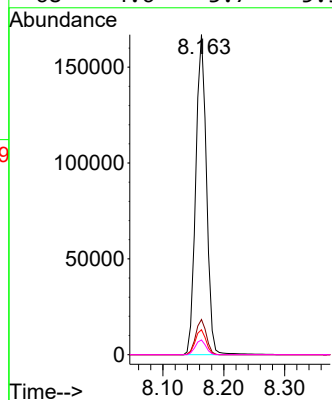
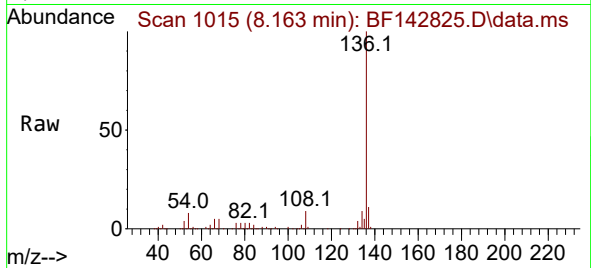




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

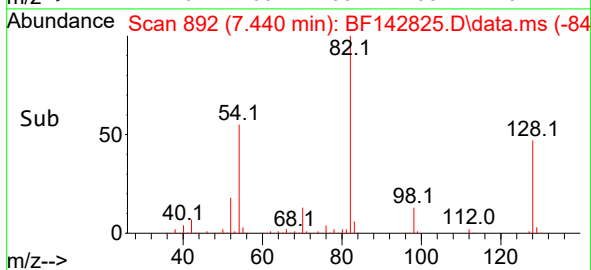
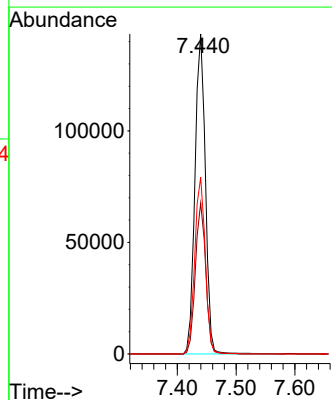
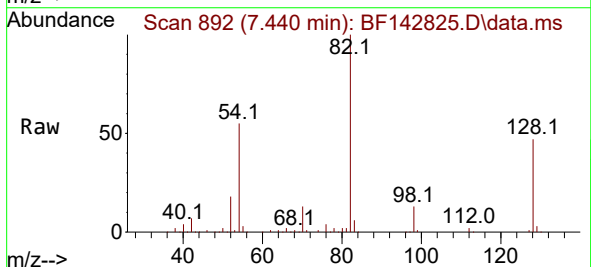
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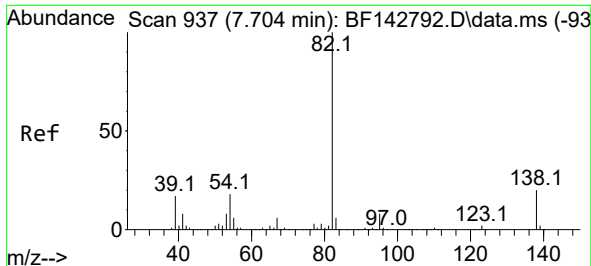
Tgt Ion:136 Resp: 204115
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.8 6.3 9.5
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 47.431 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion: 82 Resp: 176503
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 55.2 45.7 68.5

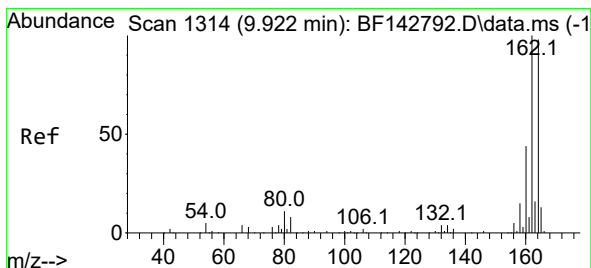
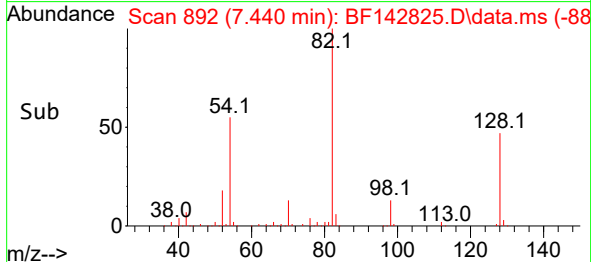
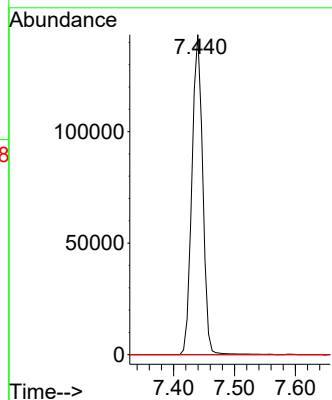
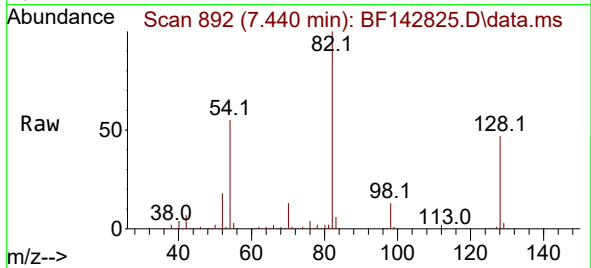




#25
Isophorone
Concen: 29.567 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

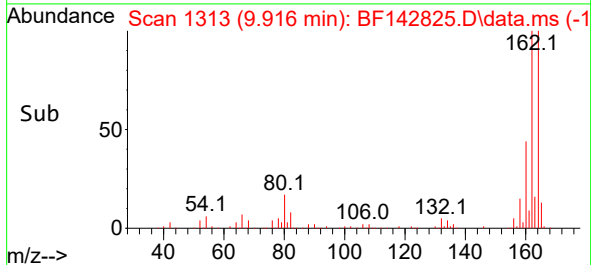
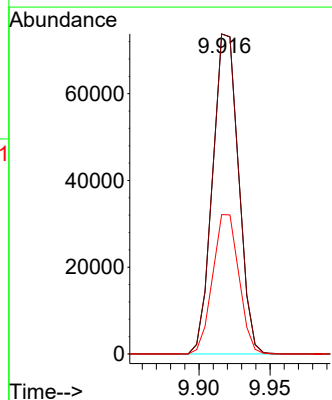
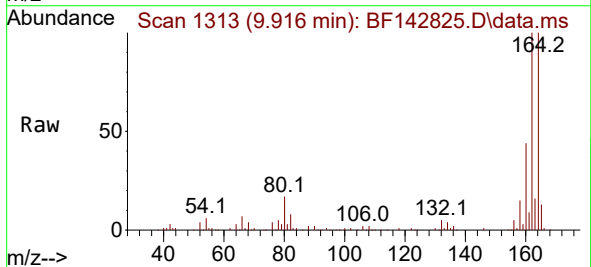
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ClientSampleId :
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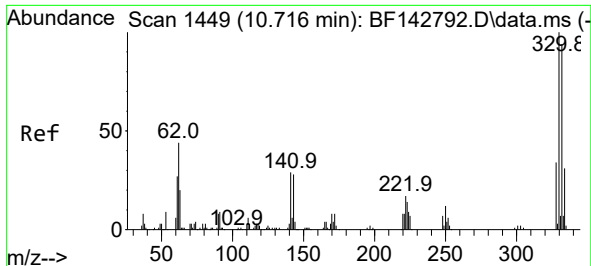
Tgt Ion: 82 Resp: 176501
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion: 164 Resp: 93623
Ion Ratio Lower Upper
164 100
162 100.0 81.8 122.8
160 43.6 36.0 54.0

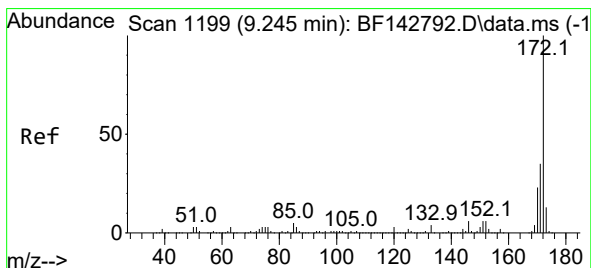
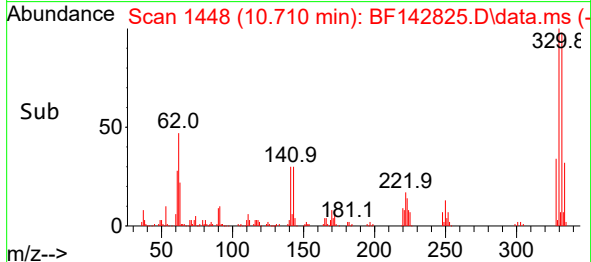
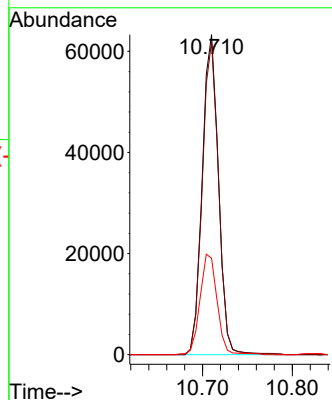
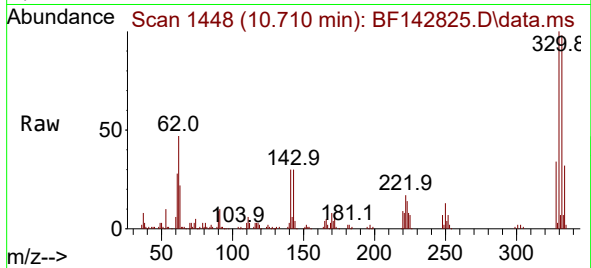




#42
 2,4,6-Tribromophenol
 Concen: 82.453 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. -0.006 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

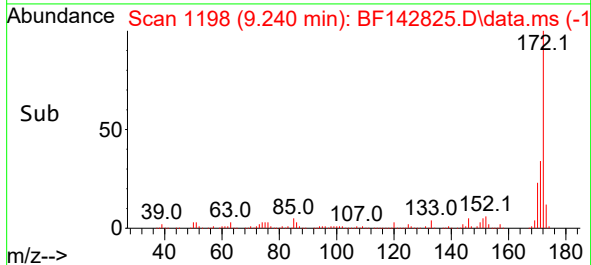
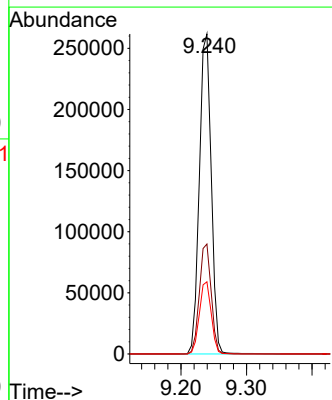
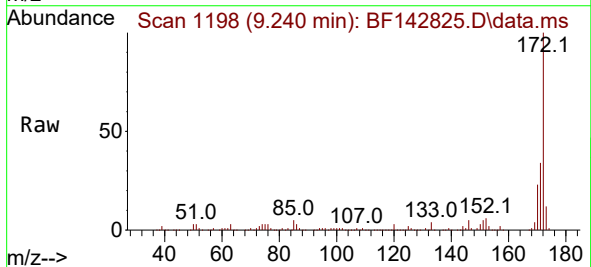
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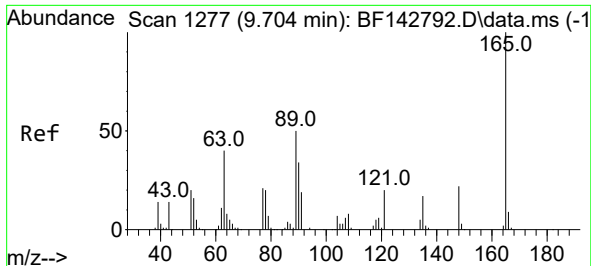
Tgt Ion: 330 Resp: 79439
 Ion Ratio Lower Upper
 330 100
 332 97.9 75.0 112.6
 141 33.1 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 46.401 ng
 RT: 9.240 min Scan# 1198
 Delta R.T. -0.005 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

Tgt Ion: 172 Resp: 330689
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.2 42.4
 170 22.5 18.5 27.7

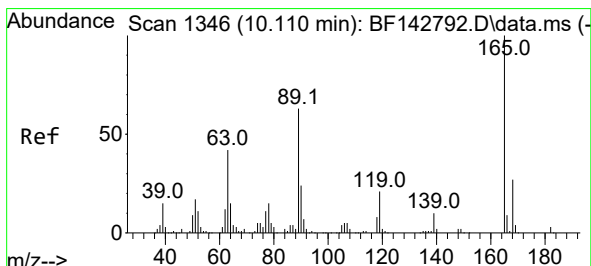
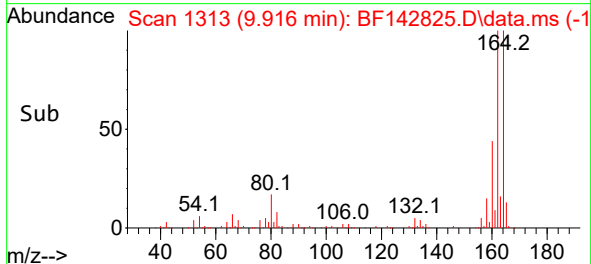
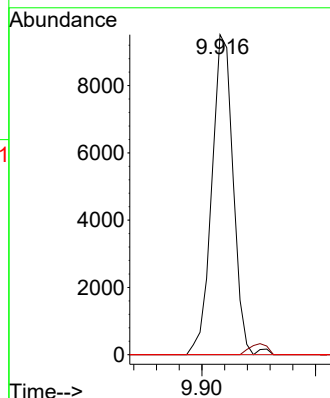
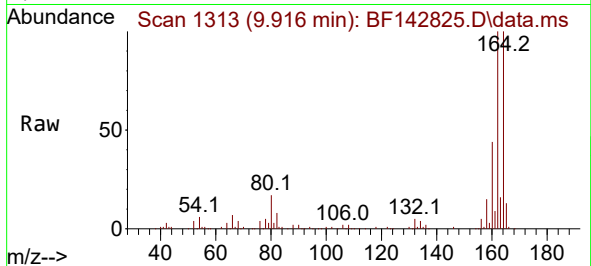




#51
2,6-Dinitrotoluene
Concen: 9.337 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

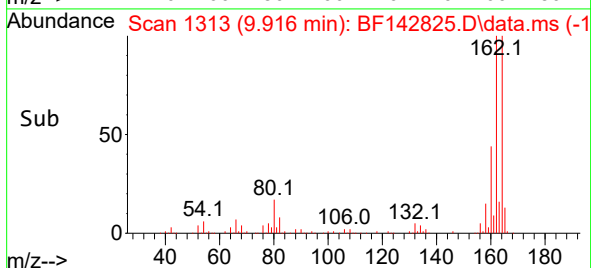
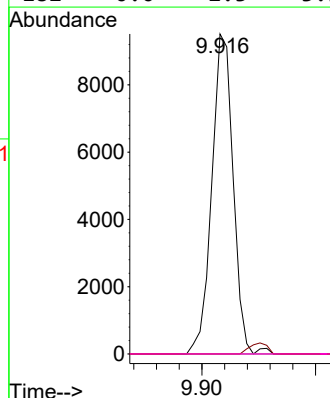
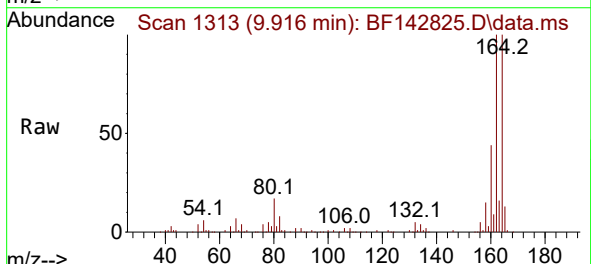
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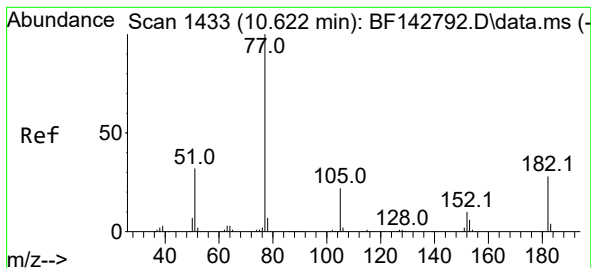
Tgt Ion:165 Resp: 12426
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.029 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:165 Resp: 12426
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.719 ng

RT: 10.634 min Scan# 1433

Delta R.T. 0.012 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

Tgt Ion: 77 Resp: 14439

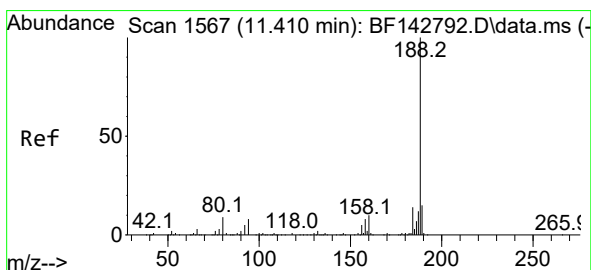
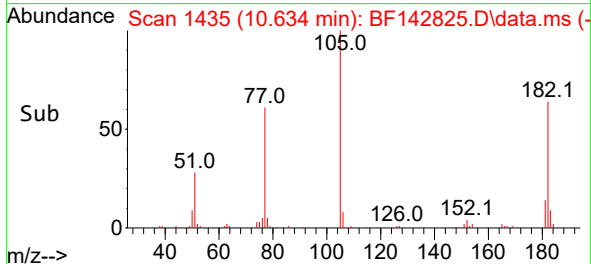
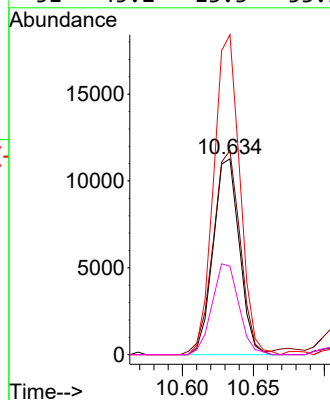
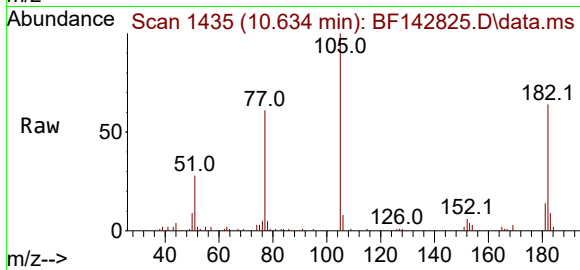
Ion Ratio Lower Upper

77 100

182 104.3 7.7 47.7#

105 163.4 1.9 41.9#

51 45.2 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

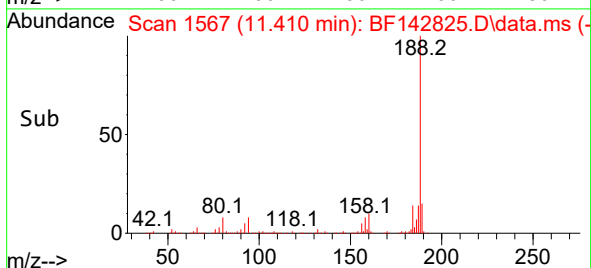
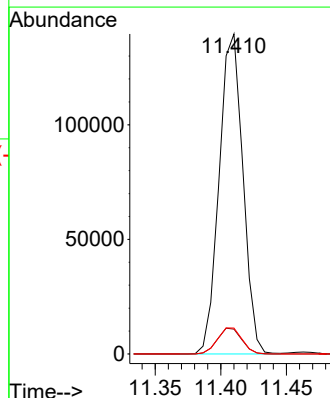
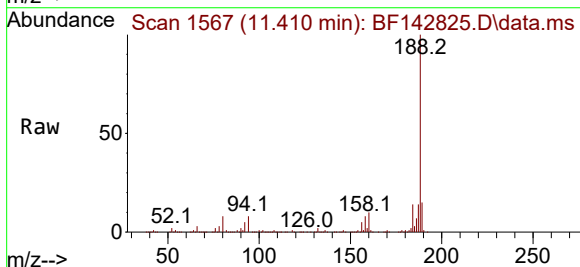
Tgt Ion: 188 Resp: 176025

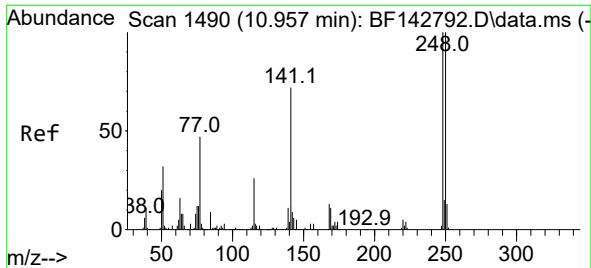
Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 8.1 6.9 10.3

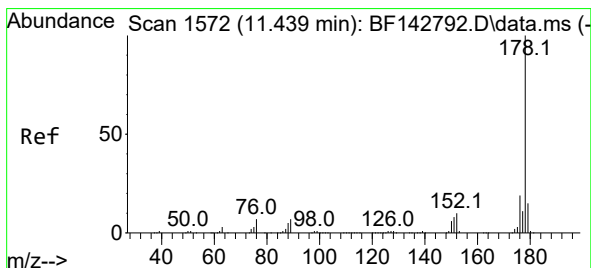
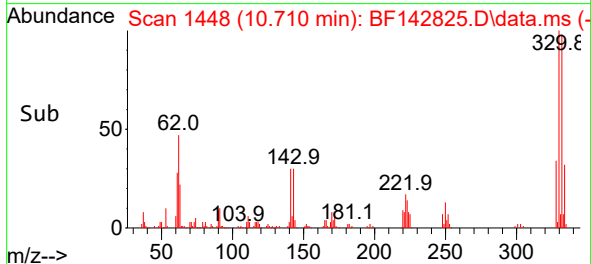
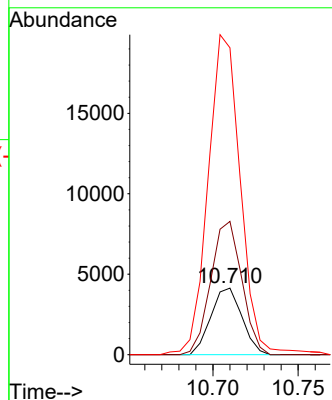
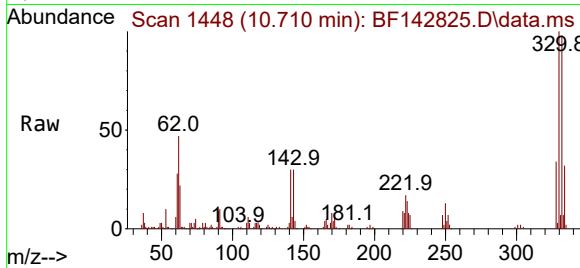




#67
4-Bromophenyl-phenylether
Concen: 2.633 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

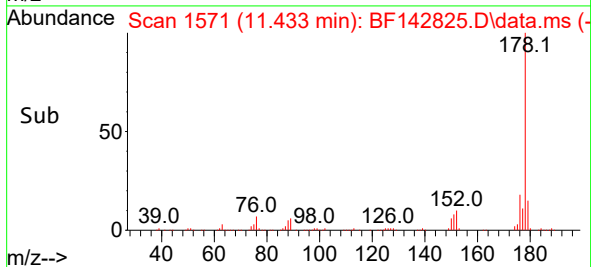
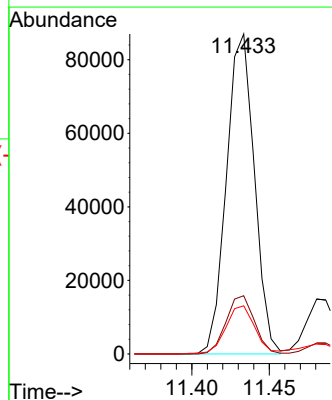
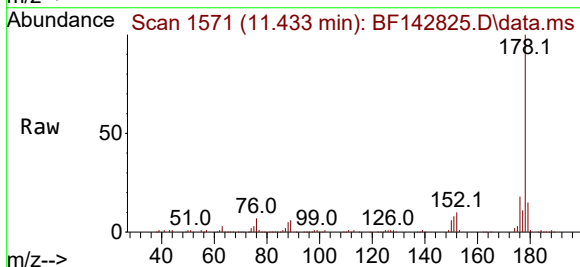
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

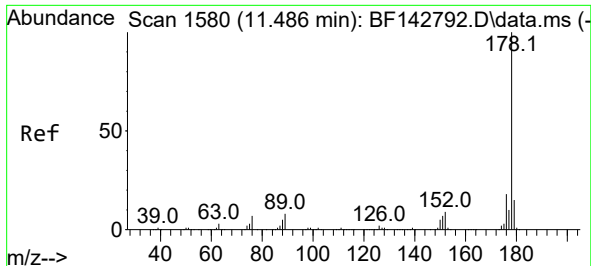
Tgt Ion:248 Resp: 5274
Ion Ratio Lower Upper
248 100
250 200.1 79.8 119.8#
141 460.9 57.8 86.6#



#71
Phenanthrene
Concen: 11.442 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:178 Resp: 109101
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.1 12.0 18.0

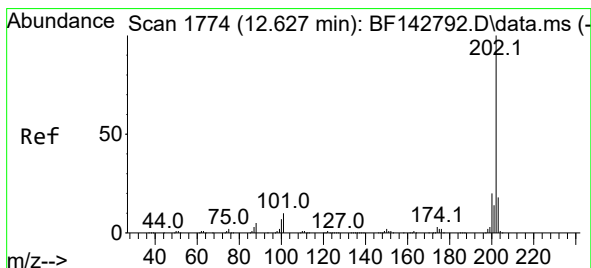
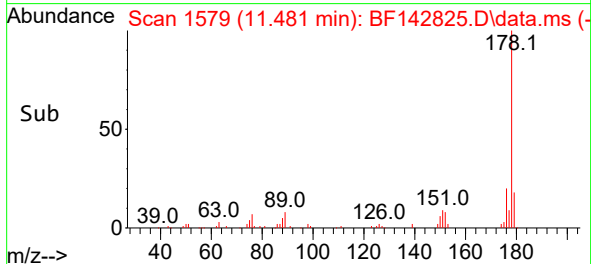
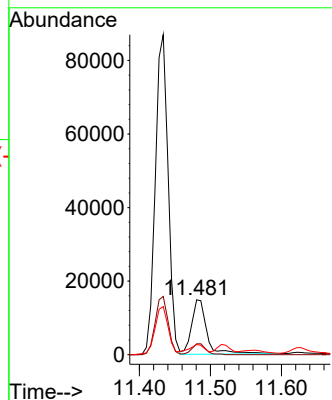
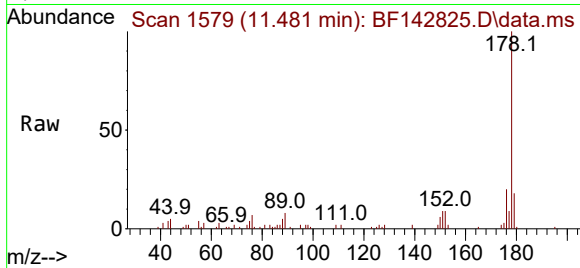




#72
 Anthracene
 Concen: 2.264 ng
 RT: 11.481 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

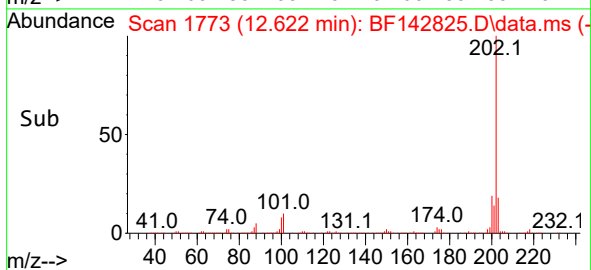
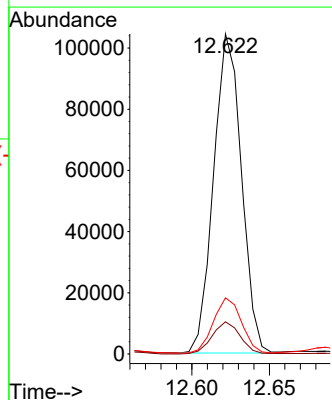
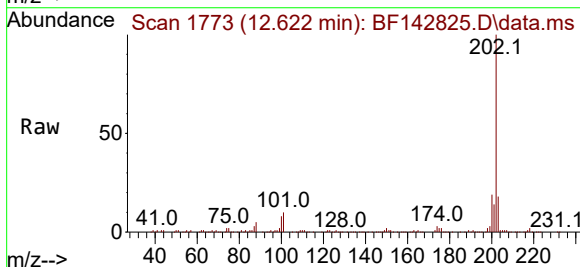
Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

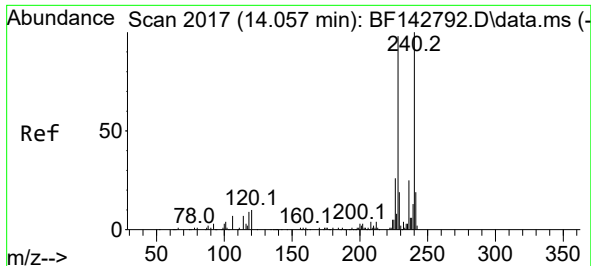
Tgt Ion:178 Resp: 22143
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.6 21.8
 179 18.3 12.4 18.6



#75
 Fluoranthene
 Concen: 14.387 ng
 RT: 12.622 min Scan# 1773
 Delta R.T. -0.006 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 130199
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 29.7
 203 17.5 0.0 37.5

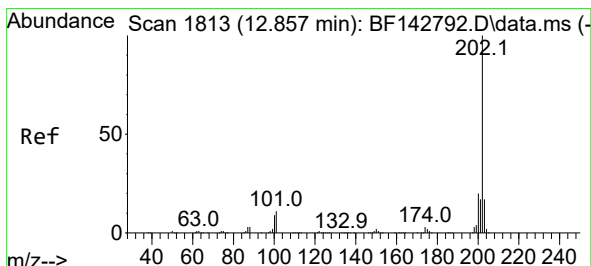
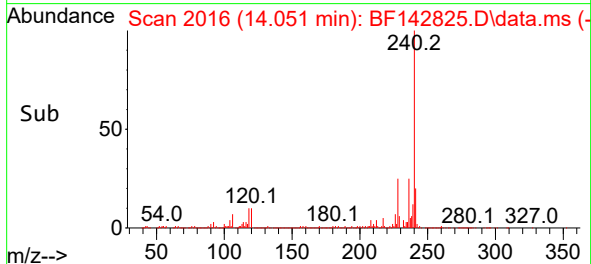
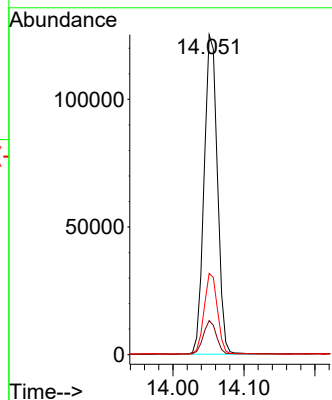
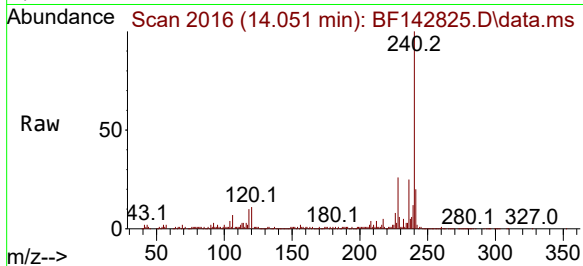




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

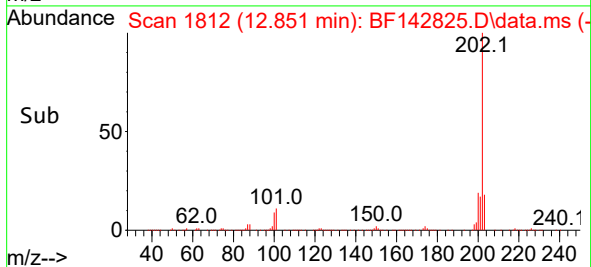
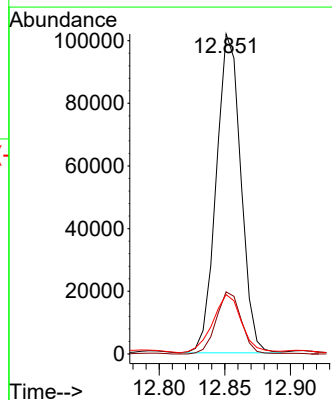
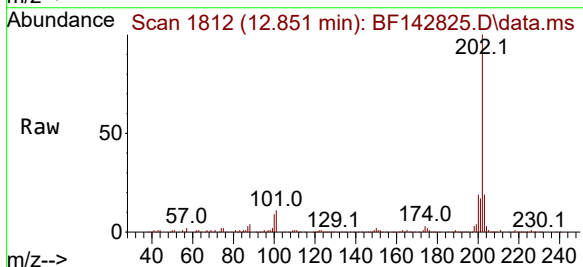
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

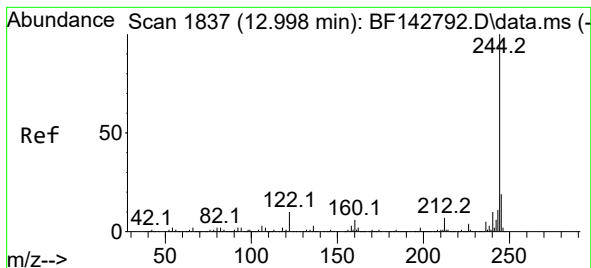
Tgt Ion:240 Resp: 164289
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 25.4 19.8 29.8



#78
Pyrene
Concen: 8.610 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 132593
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 18.5 13.8 20.6





#79

Terphenyl-d14

Concen: 38.205 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

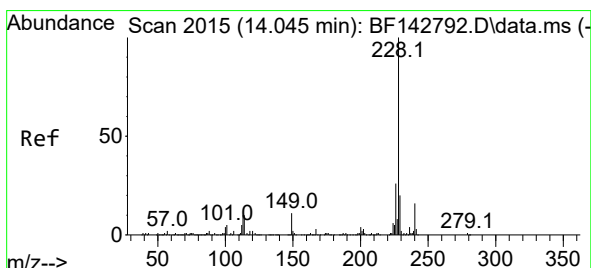
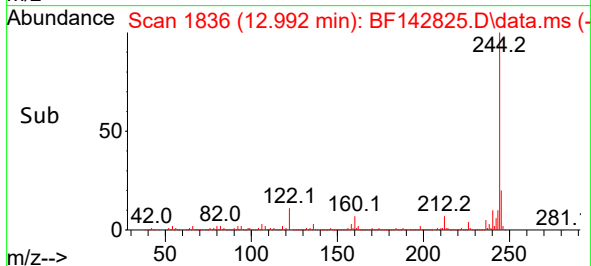
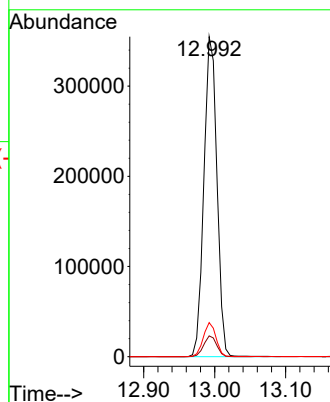
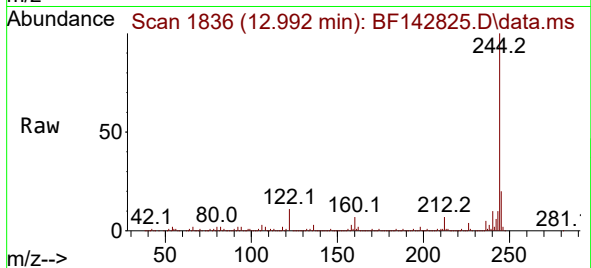
Tgt Ion:244 Resp: 454273

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.6 8.2 12.2



#81

Benzo(a)anthracene

Concen: 6.100 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

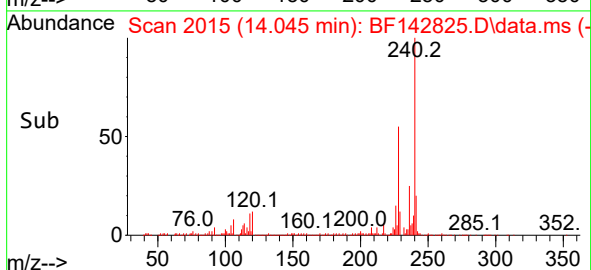
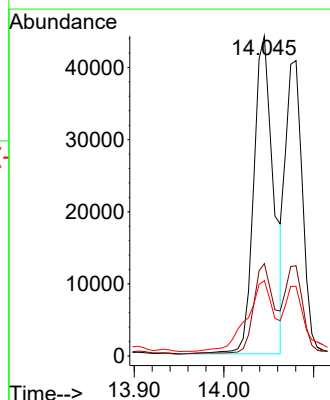
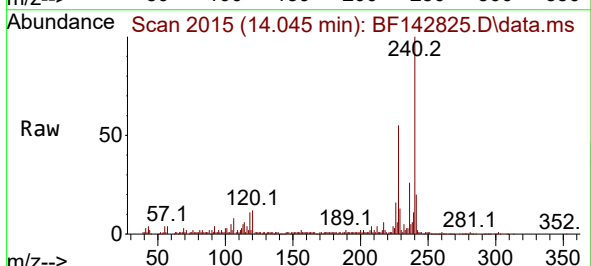
Tgt Ion:228 Resp: 67610

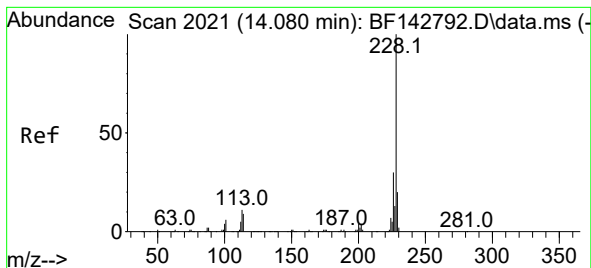
Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

229 23.6 15.6 23.4#





#83

Chrysene

Concen: 5.339 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

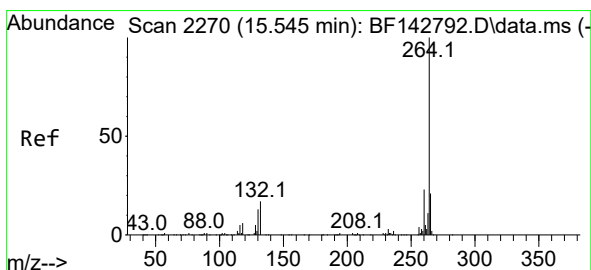
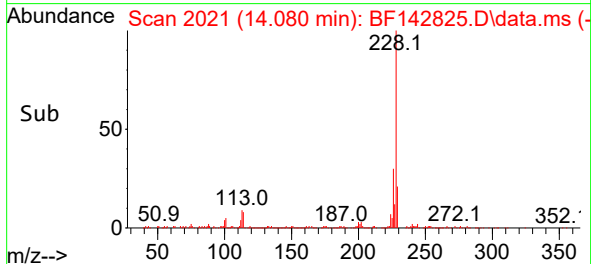
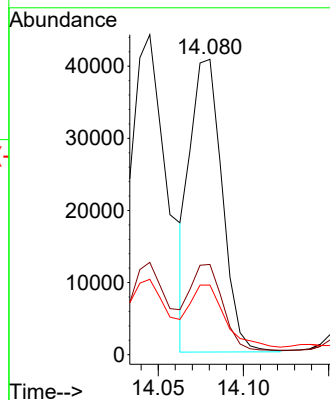
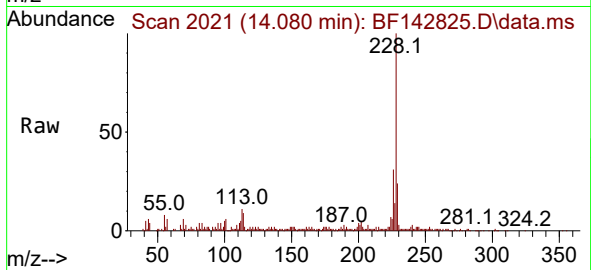
Tgt Ion:228 Resp: 52805

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 23.6 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

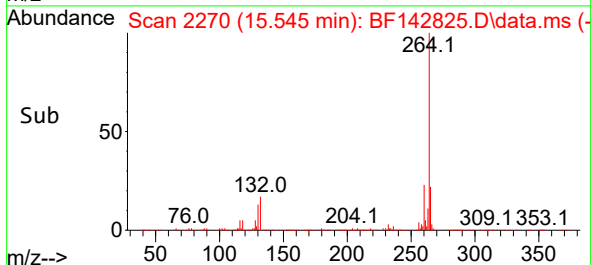
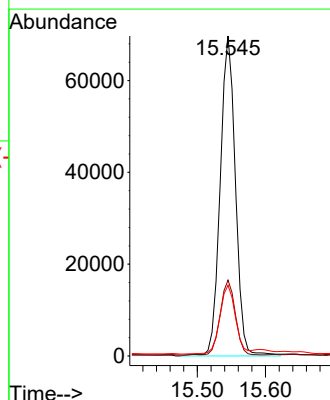
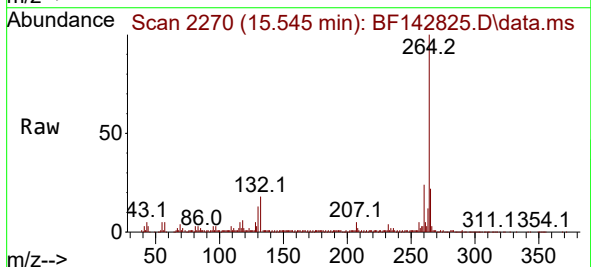
Tgt Ion:264 Resp: 108830

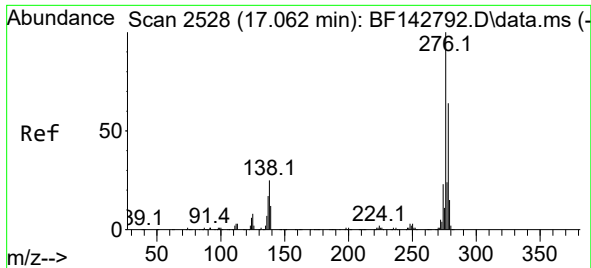
Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 22.1 16.6 25.0

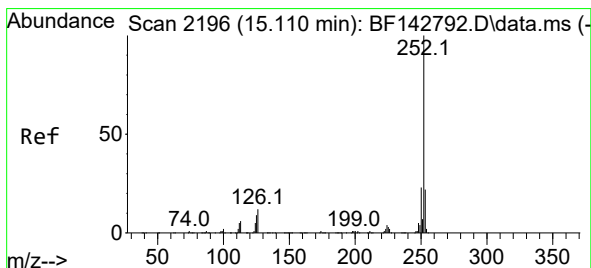
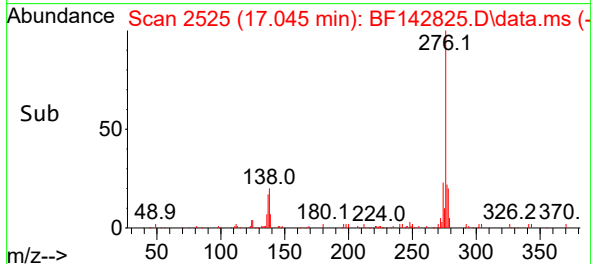
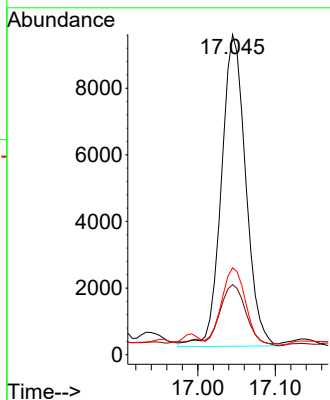
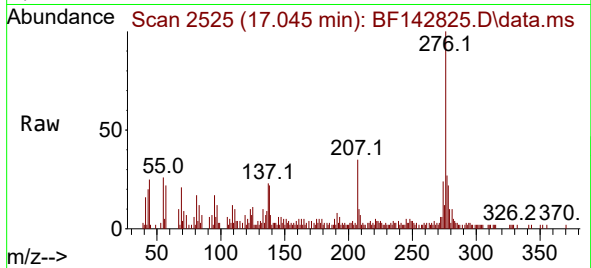




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.467 ng
 RT: 17.045 min Scan# 2195
 Delta R.T. -0.017 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

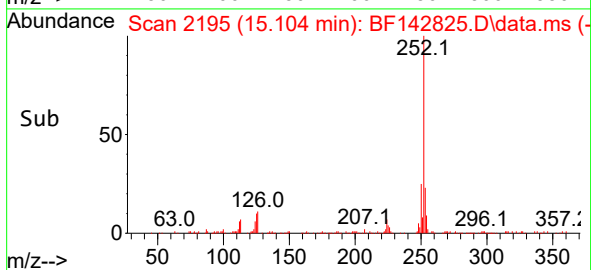
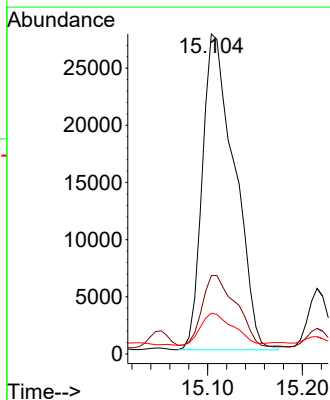
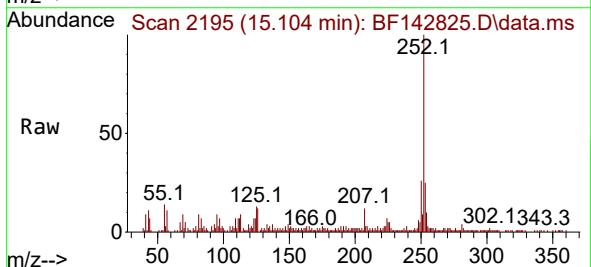
Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

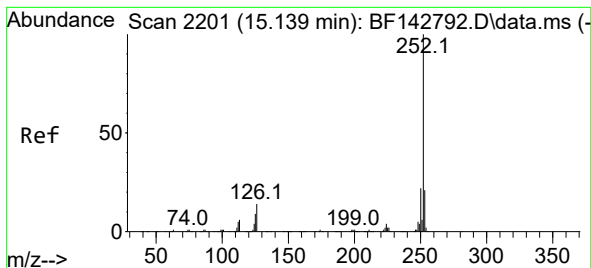
Tgt Ion:	276	Resp:	20448
Ion Ratio	Lower	Upper	
276	100		
138	20.8	20.2	30.4
277	24.0	19.8	29.6



#88
 Benzo(b)fluoranthene
 Concen: 10.337 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

Tgt Ion:	252	Resp:	65094
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	12.7	7.4	11.0#





#89

Benzo(k)fluoranthene

Concen: 11.048 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

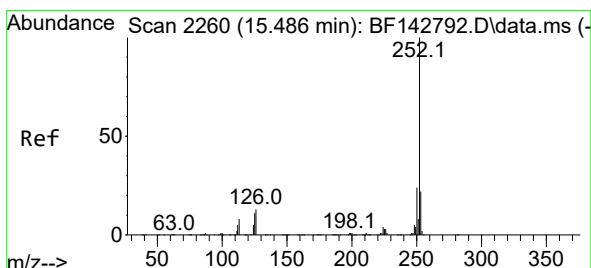
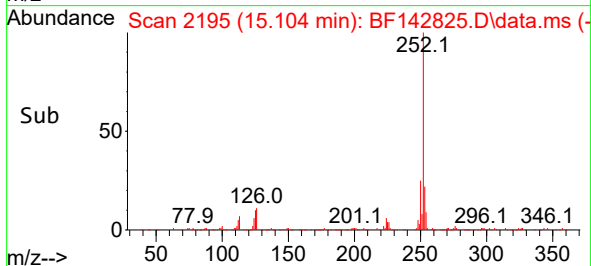
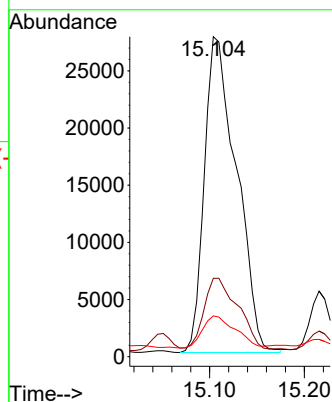
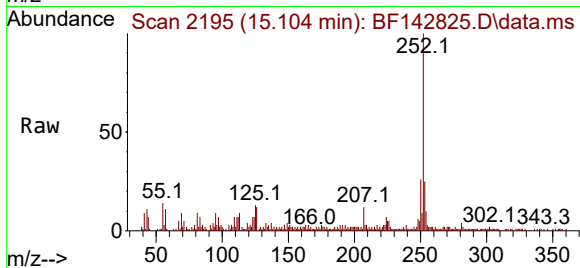
Tgt Ion:252 Resp: 65094

Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

125 12.7 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.764 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

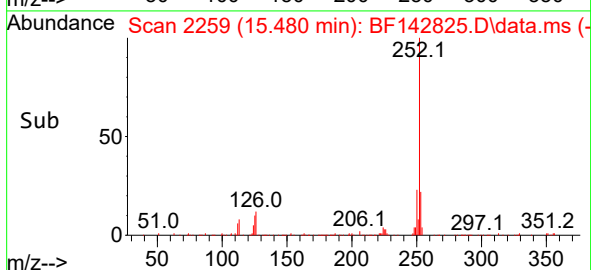
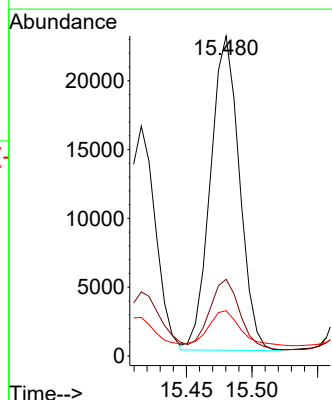
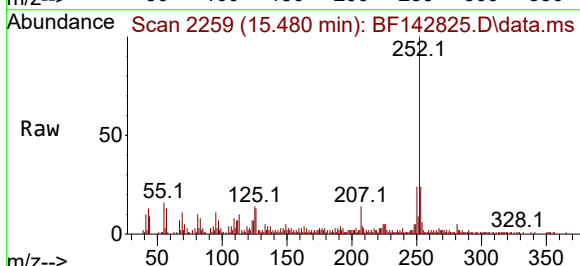
Tgt Ion:252 Resp: 35069

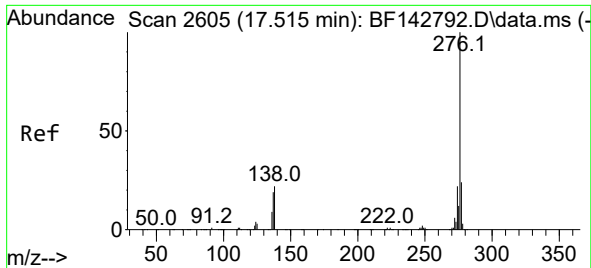
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

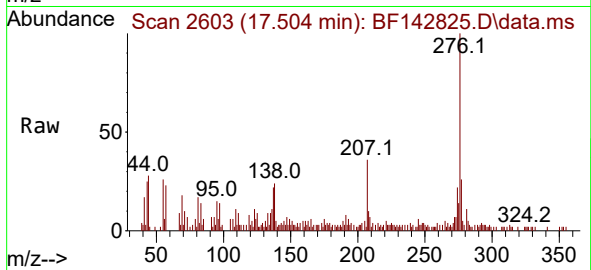
125 14.1 8.6 12.8#





#92
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 17.504 min Scan# 20296
Delta R.T. -0.012 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4



Tgt Ion:	276	Resp:	20296
Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	23.6	17.6	26.4

