

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142824.D
 Acq On : 24 Jun 2025 17:33
 Operator : RC/JU
 Sample : Q2393-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -3

Quant Time: Jun 24 18:02:37 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)

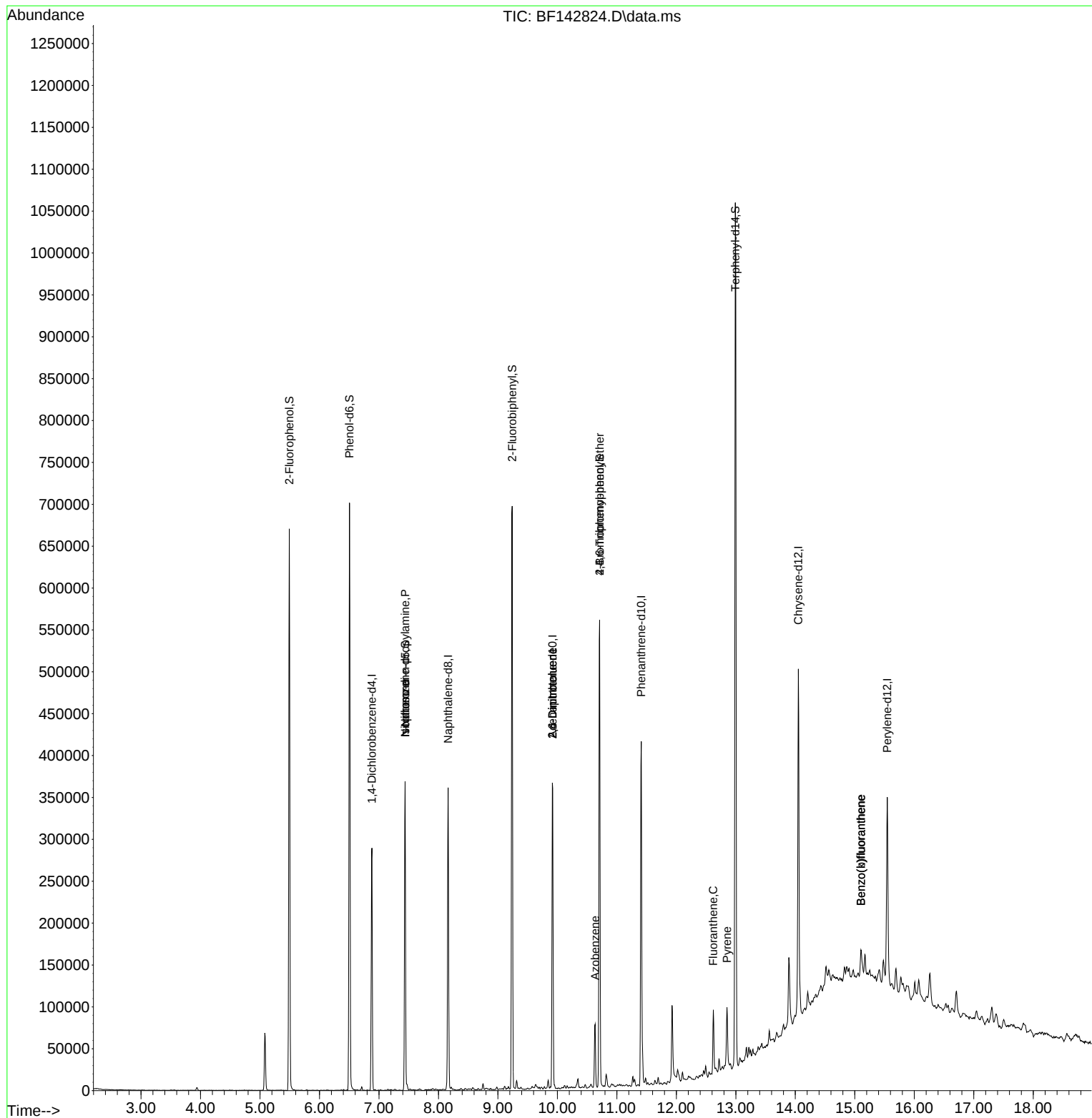
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63043	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	226294	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	112057	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	215299	20.000	ng	0.00
76) Chrysene-d12	14.051	240	191648	20.000	ng	0.00
86) Perylene-d12	15.545	264	128238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	250519	66.160	ng	0.00
7) Phenol-d6	6.504	99	310518	69.508	ng	0.00
23) Nitrobenzene-d5	7.439	82	151433	36.705	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95486	82.805	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	317524	37.224	ng	0.00
79) Terphenyl-d14	12.992	244	504565	36.377	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	20134	7.749	ng	# 75
25) Isophorone	7.439	82	151430	22.881	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14964	9.394	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14964	7.072	ng	# 26
63) Azobenzene	10.633	77	18025	2.836	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5965	2.434	ng	# 1
75) Fluoranthene	12.621	202	42021	3.796	ng	100
78) Pyrene	12.851	202	40452	2.252	ng	98
88) Benzo(b)fluoranthene	15.104	252	21815	2.940	ng	# 80
89) Benzo(k)fluoranthene	15.104	252	21815	3.142	ng	# 80

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

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ALS Vial : 15 Sample Multiplier: 1

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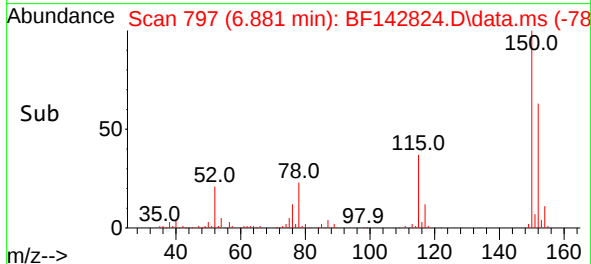
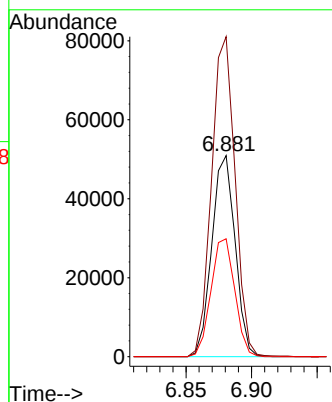
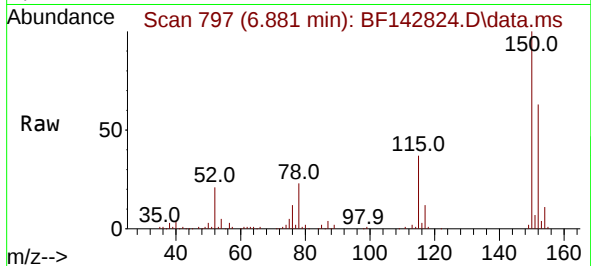




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF142824.D
 Acq: 24 Jun 2025 17:33

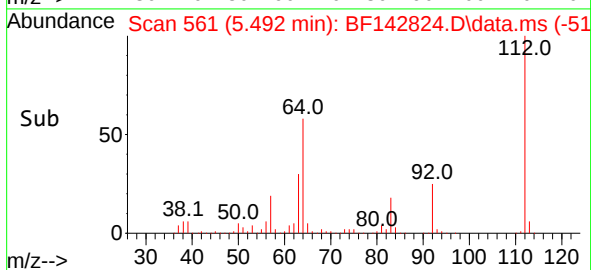
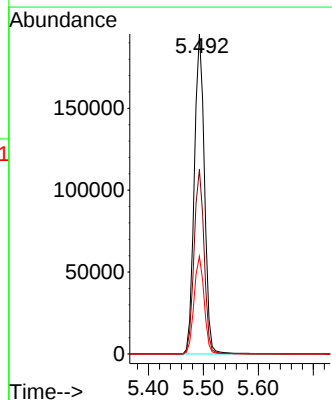
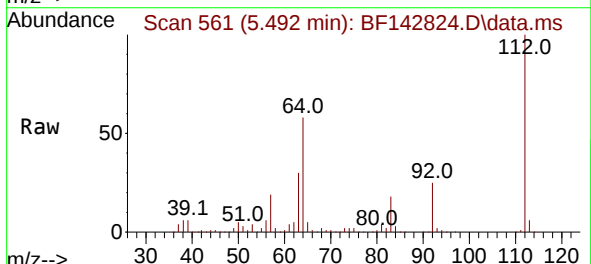
Instrument :
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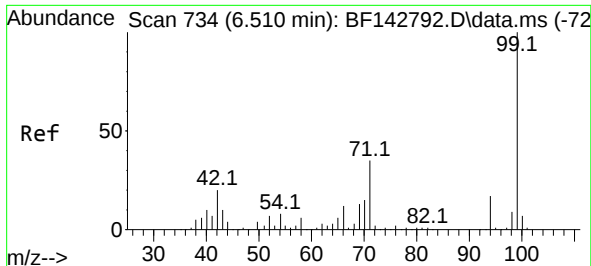
Tgt Ion:152 Resp: 63043
 Ion Ratio Lower Upper
 152 100
 150 159.1 127.2 190.8
 115 58.7 46.6 69.8



#5
 2-Fluorophenol
 Concen: 66.160 ng
 RT: 5.492 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF142824.D
 Acq: 24 Jun 2025 17:33

Tgt Ion:112 Resp: 250519
 Ion Ratio Lower Upper
 112 100
 64 57.7 48.2 72.2
 63 30.5 25.7 38.5





#7

Phenol-d6

Concen: 69.508 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

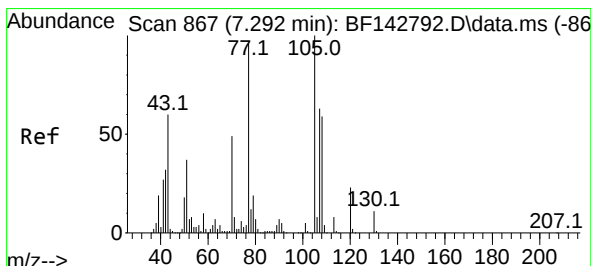
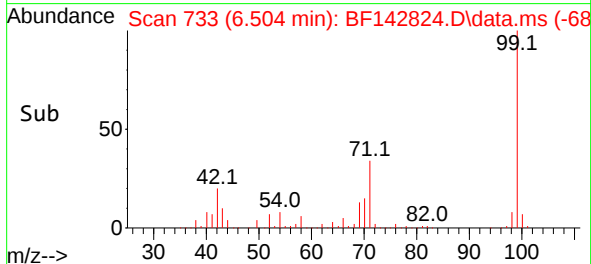
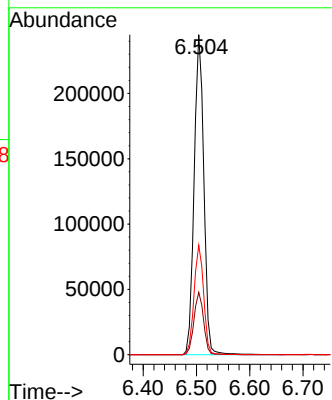
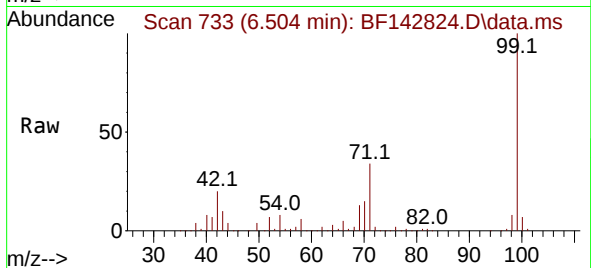
Tgt Ion: 99 Resp: 310518

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 34.2 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 7.749 ng

RT: 7.439 min Scan# 892

Delta R.T. 0.147 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Tgt Ion: 70 Resp: 20134

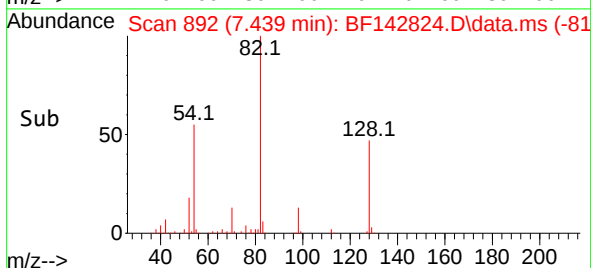
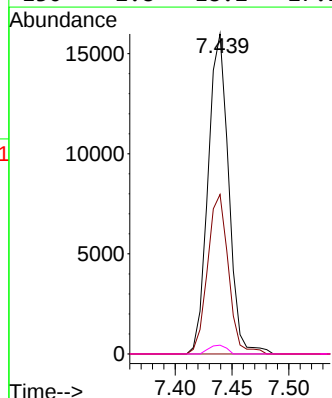
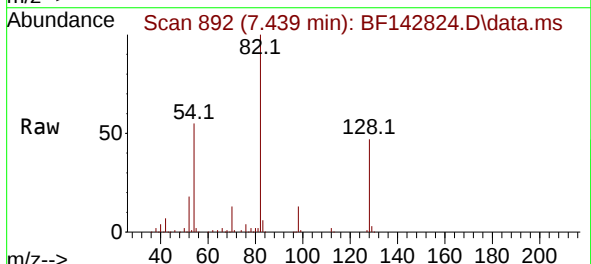
Ion Ratio Lower Upper

70 100

42 49.8 52.1 78.1#

101 0.0 8.2 12.2#

130 2.8 18.2 27.2#

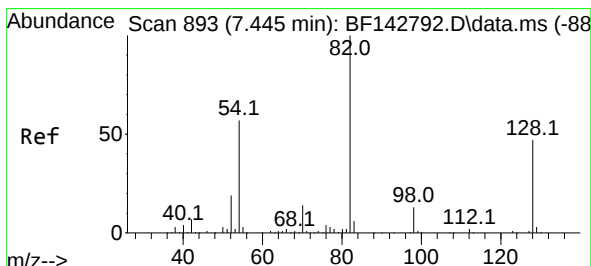
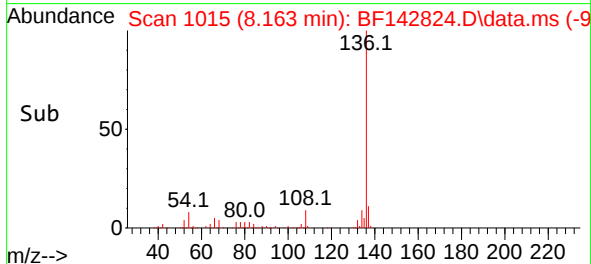
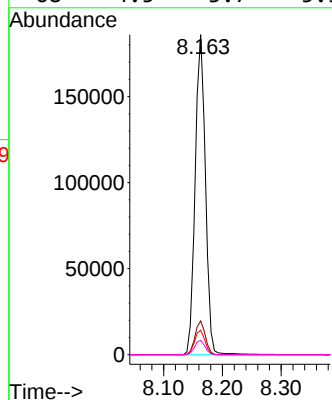
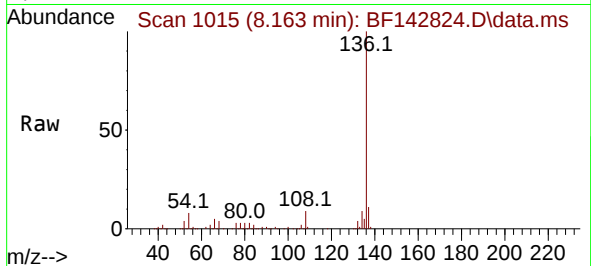




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

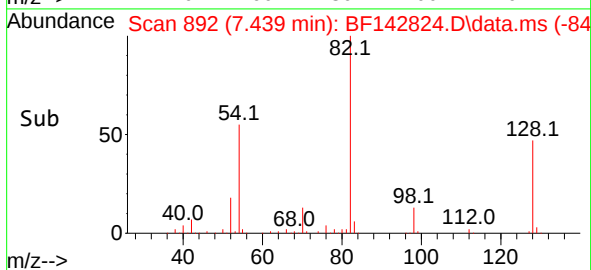
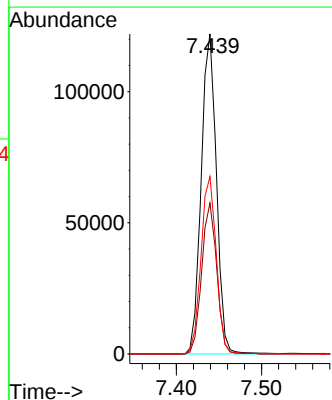
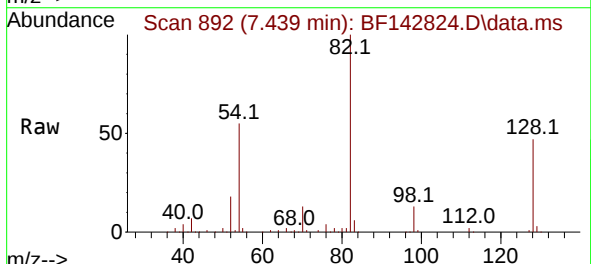
Instrument :
BNA_F
ClientSampleId :
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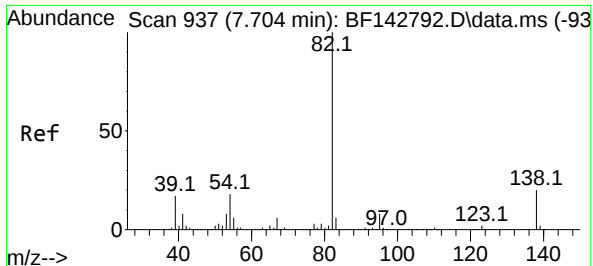
Tgt Ion:136 Resp: 226294
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.7 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 36.705 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion: 82 Resp: 151433
Ion Ratio Lower Upper
82 100
128 47.2 37.7 56.5
54 55.5 45.7 68.5

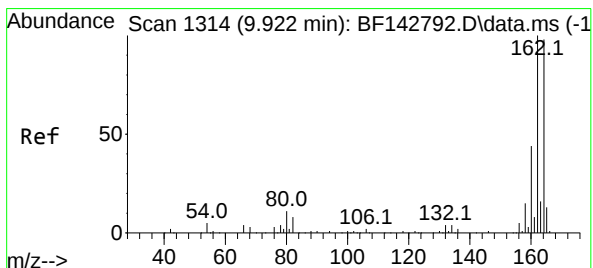
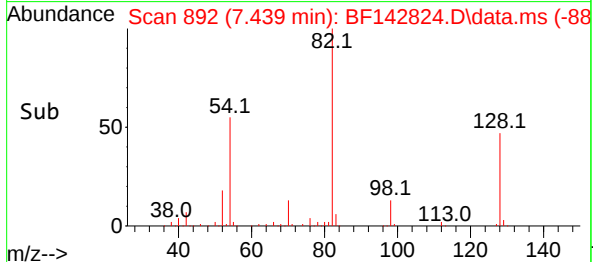
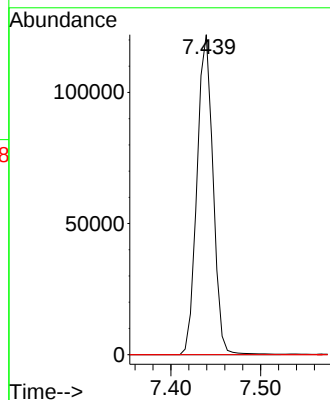
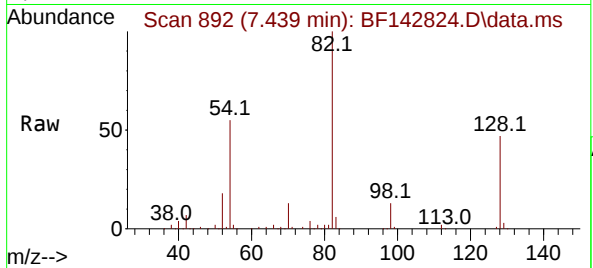




#25
Isophorone
Concen: 22.881 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

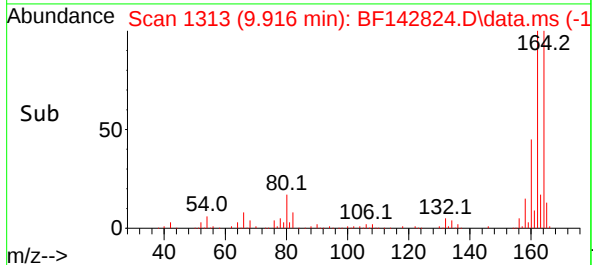
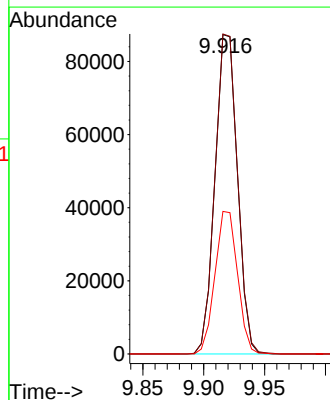
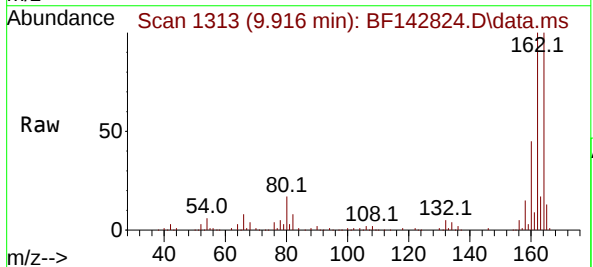
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

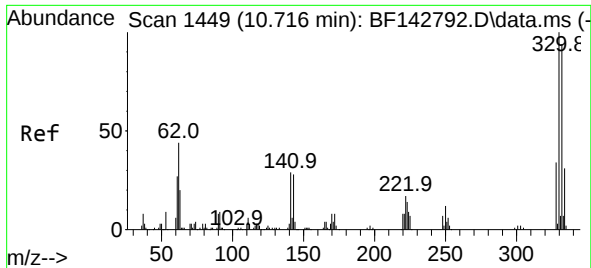
Tgt Ion: 82 Resp: 151430
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:164 Resp: 112057
Ion Ratio Lower Upper
164 100
162 100.2 81.8 122.8
160 44.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 82.805 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

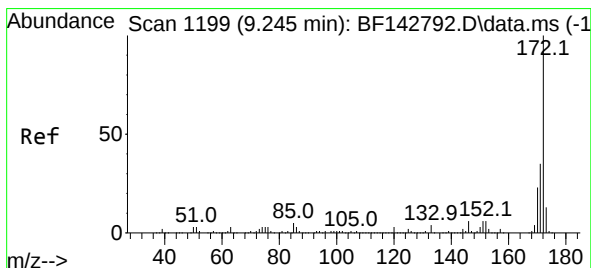
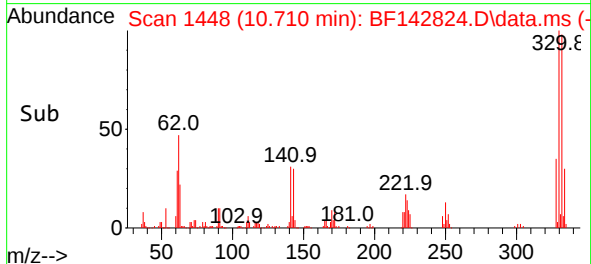
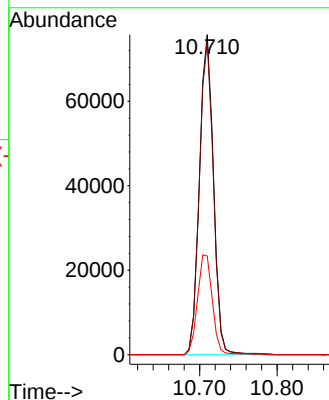
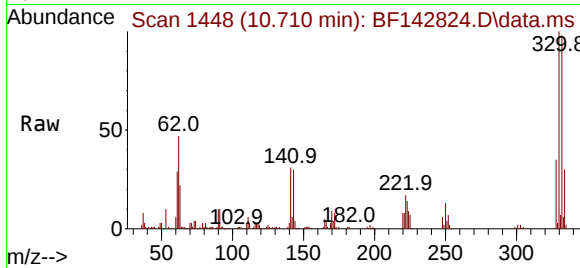
Tgt Ion:330 Resp: 95486

Ion Ratio Lower Upper

330 100

332 97.4 75.0 112.6

141 33.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 37.224 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

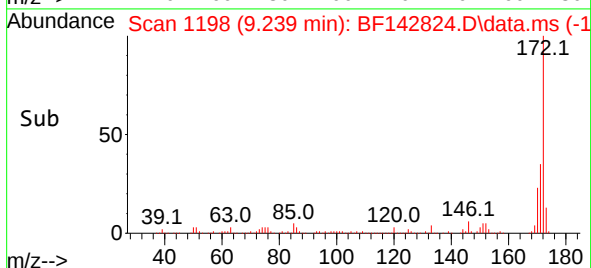
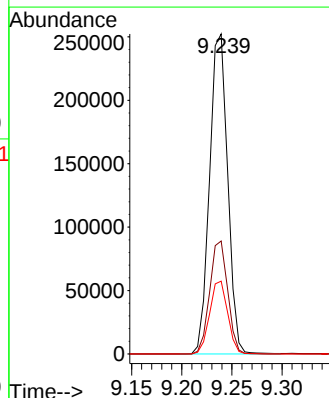
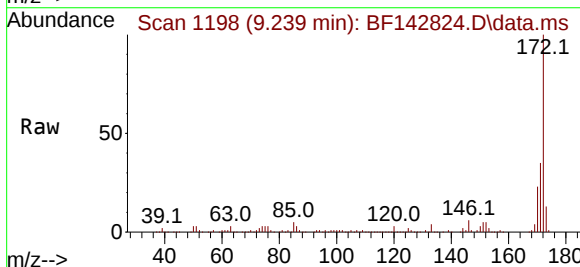
Tgt Ion:172 Resp: 317524

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.7 18.5 27.7

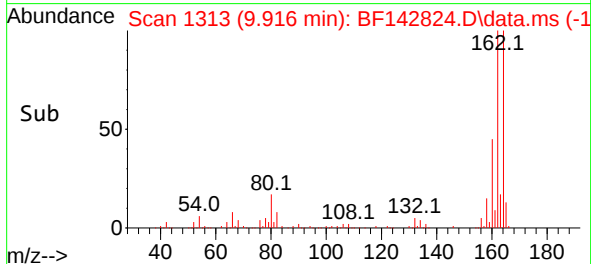
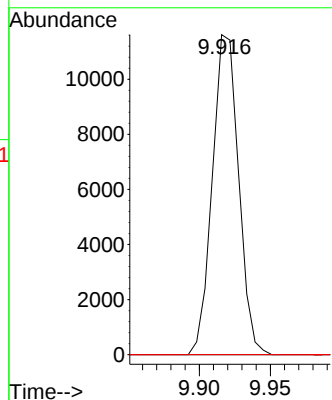
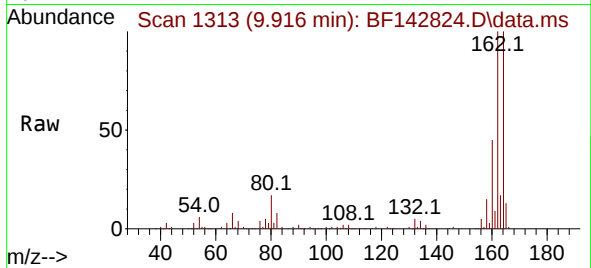




#51
2,6-Dinitrotoluene
Concen: 9.394 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

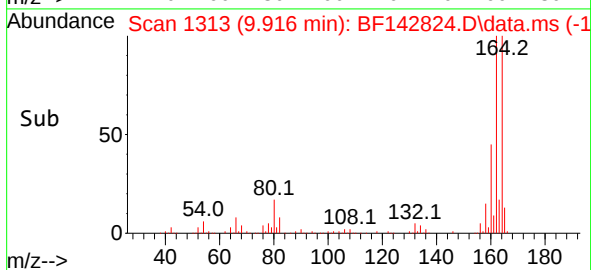
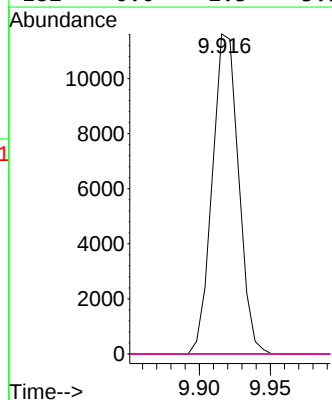
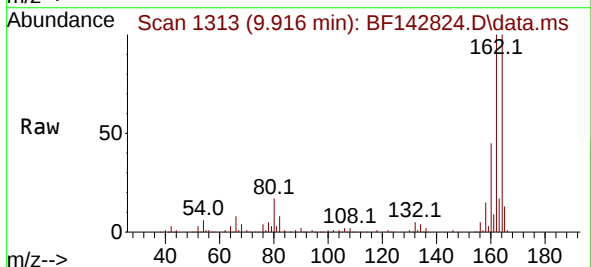
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

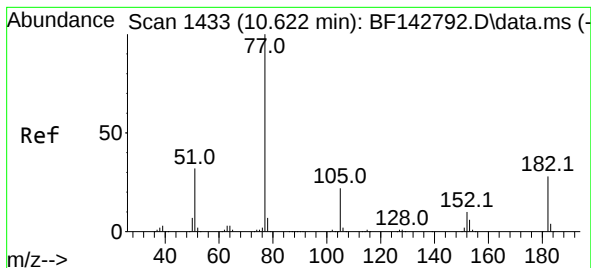
Tgt Ion:165 Resp: 14964
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.072 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:165 Resp: 14964
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: 2.836 ng

RT: 10.633 min Scan# 1433

Delta R.T. 0.012 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

Tgt Ion: 77 Resp: 18025

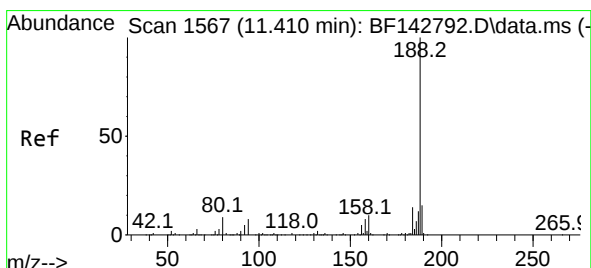
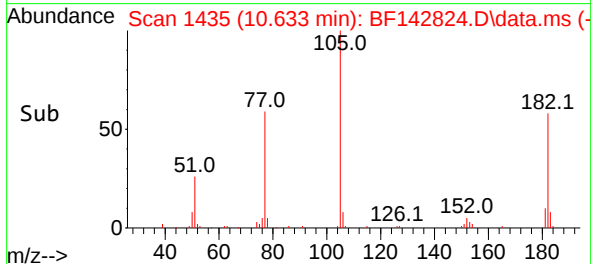
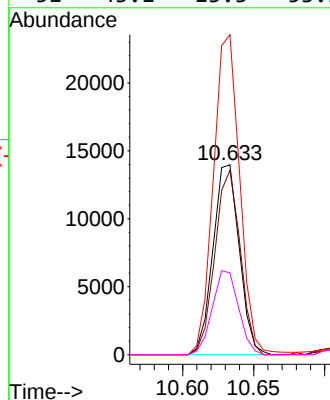
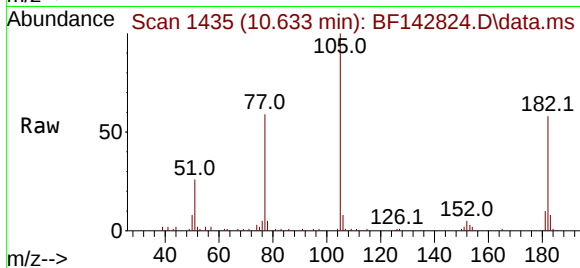
Ion Ratio Lower Upper

77 100

182 97.1 7.7 47.7#

105 168.5 1.9 41.9#

51 43.1 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: BF142824.D

Acq: 24 Jun 2025 17:33

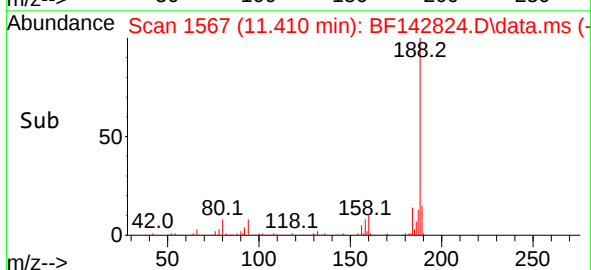
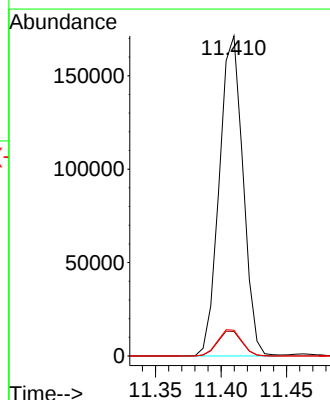
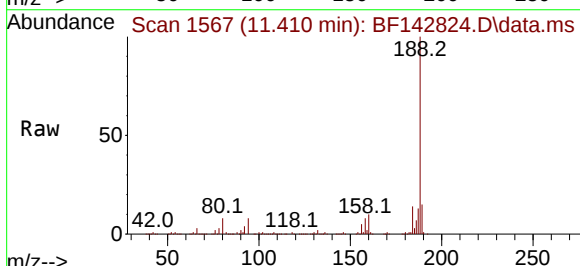
Tgt Ion:188 Resp: 215299

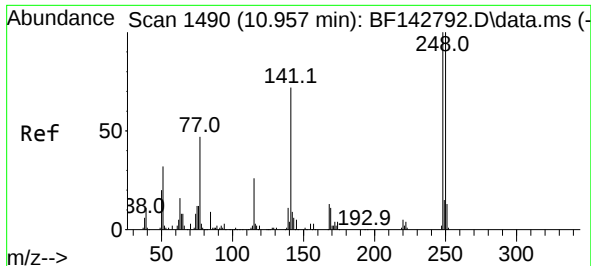
Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.0 6.9 10.3

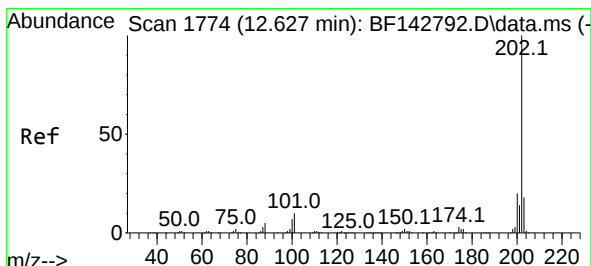
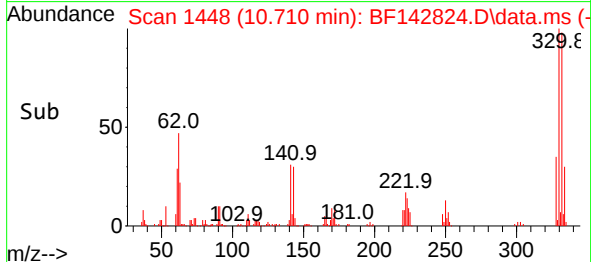
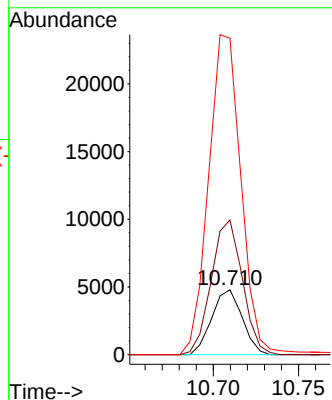
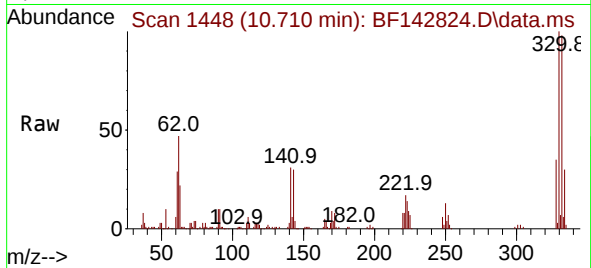




#67
4-Bromophenyl-phenylether
Concen: 2.434 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

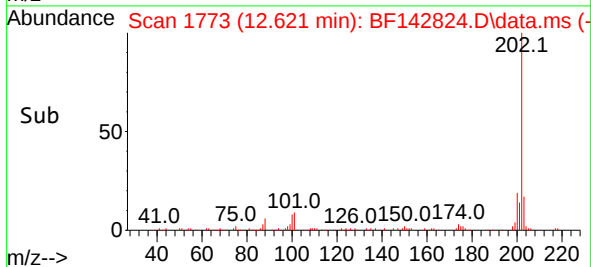
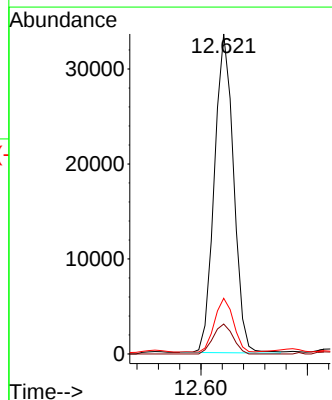
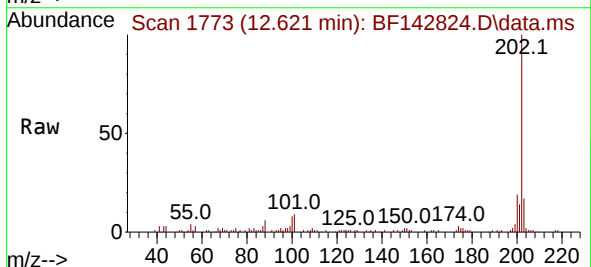
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

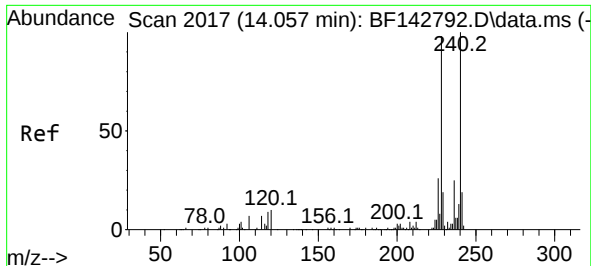
Tgt Ion:248 Resp: 5965
Ion Ratio Lower Upper
248 100
250 207.5 79.8 119.8#
141 487.2 57.8 86.6#



#75
Fluoranthene
Concen: 3.796 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:202 Resp: 42021
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.7
203 17.4 0.0 37.5

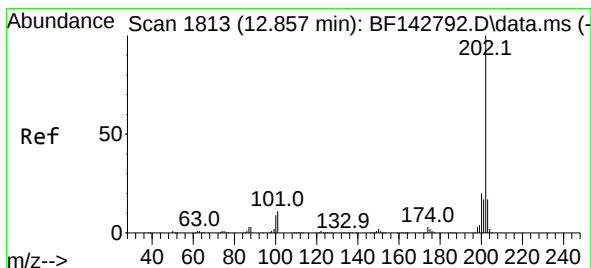
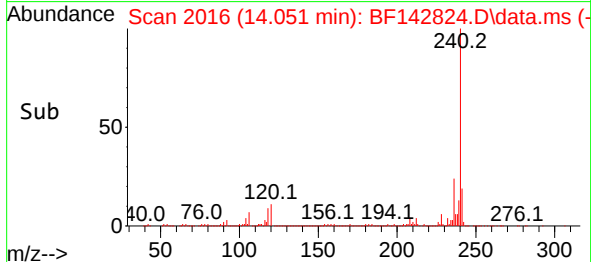
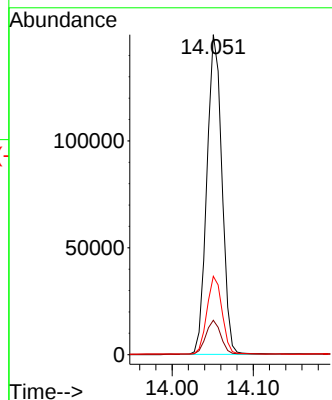
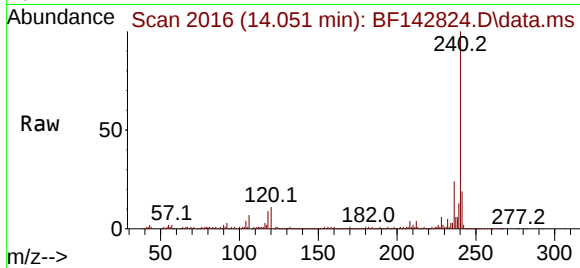




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

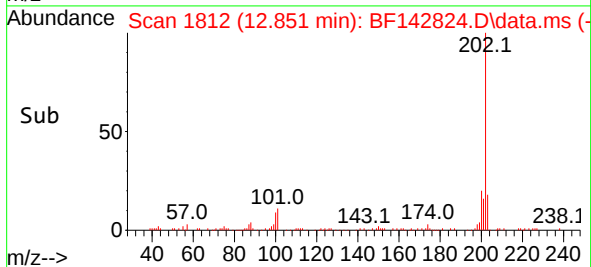
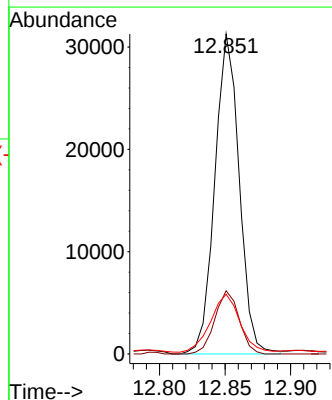
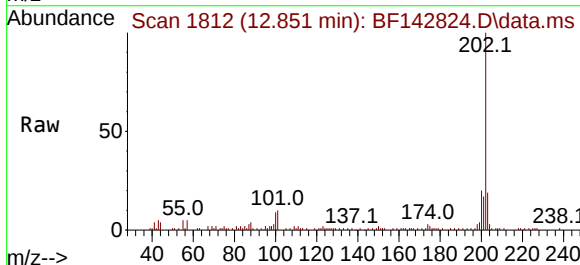
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

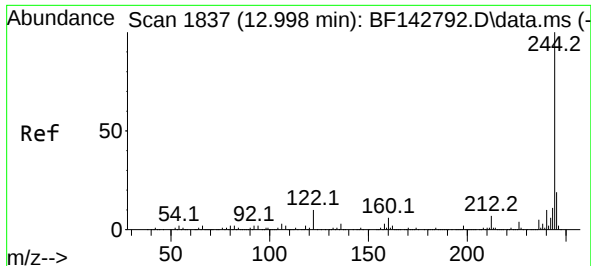
Tgt Ion:240 Resp: 191648
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 24.5 19.8 29.8



#78
Pyrene
Concen: 2.252 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:202 Resp: 40452
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 18.7 13.8 20.6

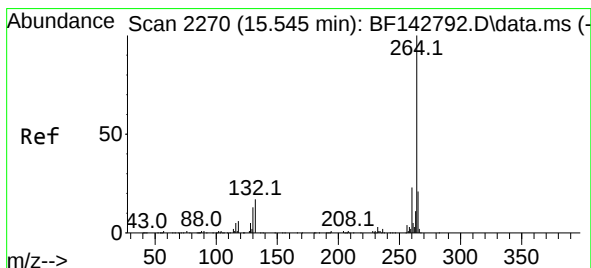
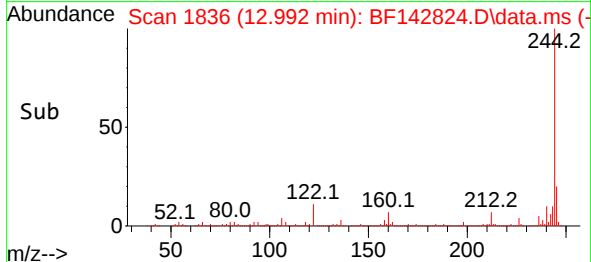
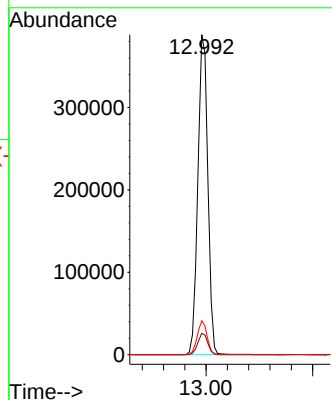
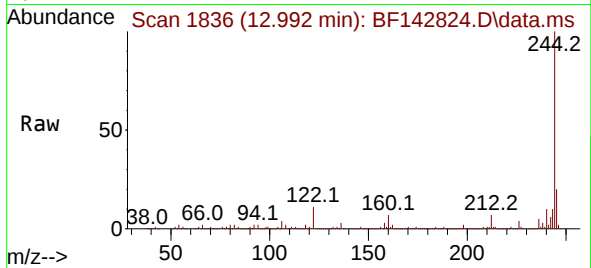




#79
 Terphenyl-d14
 Concen: 36.377 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142824.D
 Acq: 24 Jun 2025 17:33

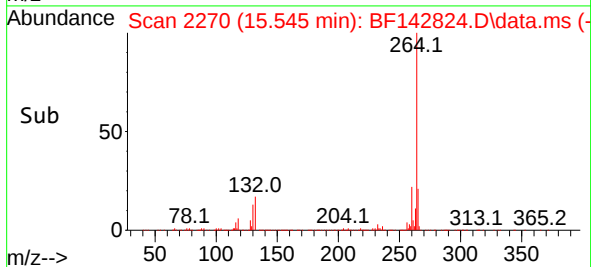
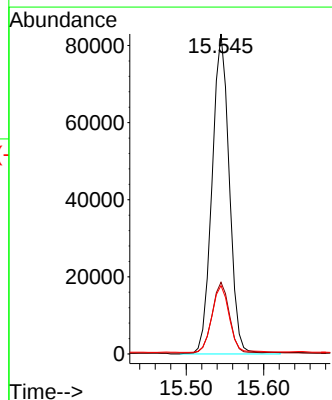
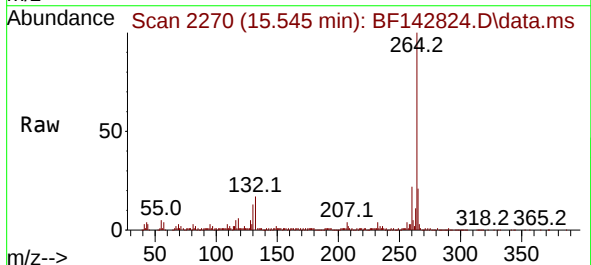
Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -3

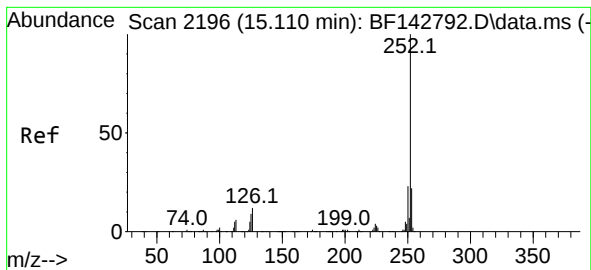
Tgt Ion:244 Resp: 504565
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142824.D
 Acq: 24 Jun 2025 17:33

Tgt Ion:264 Resp: 128238
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.1 27.1
 265 21.4 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.940 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

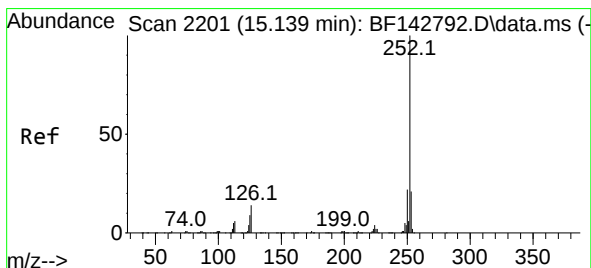
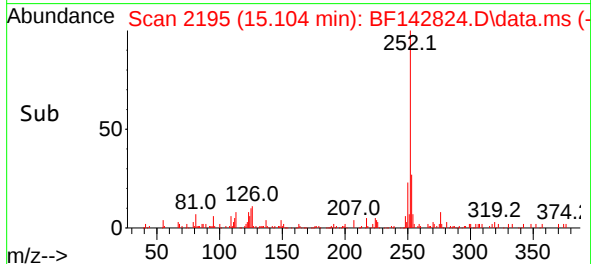
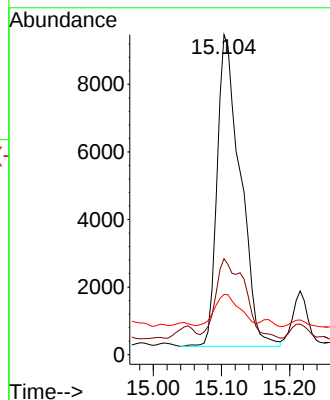
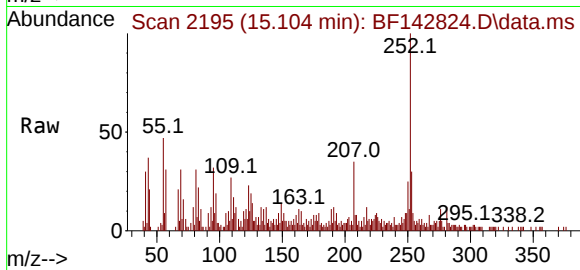
Tgt Ion:252 Resp: 21815

Ion Ratio Lower Upper

252 100

253 30.0 17.5 26.3#

125 18.8 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 3.142 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Tgt Ion:252 Resp: 21815

Ion Ratio Lower Upper

252 100

253 30.0 17.2 25.8#

125 18.8 7.4 11.2#

