

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142826.D
 Acq On : 24 Jun 2025 18:34
 Operator : RC/JU
 Sample : Q2393-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -5

Quant Time: Jun 25 01:29:30 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)

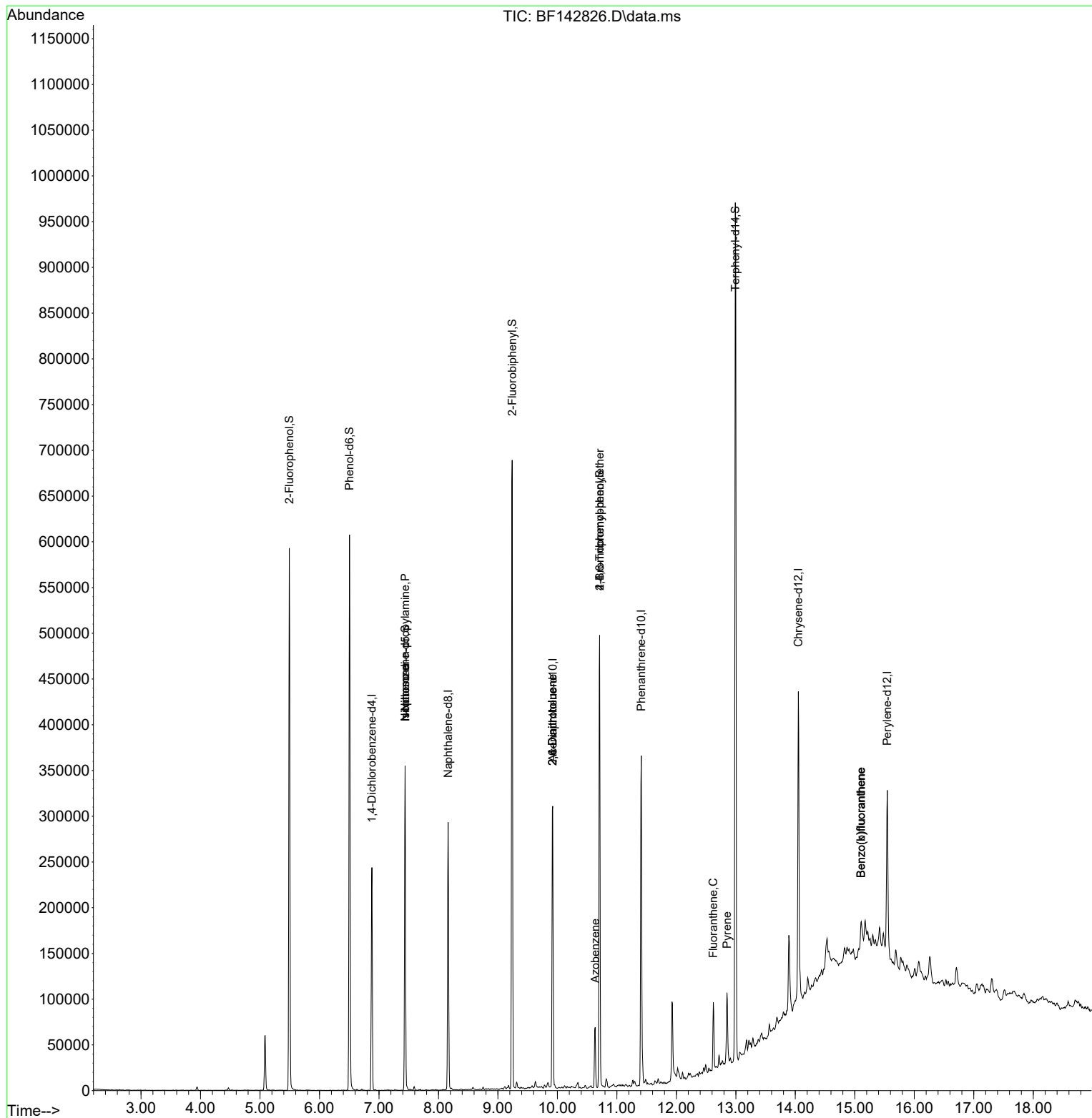
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53337	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	183629	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	94380	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	188653	20.000	ng	0.00
76) Chrysene-d12	14.051	240	152475	20.000	ng	0.00
86) Perylene-d12	15.545	264	103394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	222339	69.404	ng	0.00
7) Phenol-d6	6.504	99	268320	70.992	ng	0.00
23) Nitrobenzene-d5	7.440	82	144112	43.047	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	83300	85.767	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	309785	43.119	ng	0.00
79) Terphenyl-d14	12.992	244	457697	41.476	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	19186	8.728	ng	# 76
25) Isophorone	7.440	82	144135	26.839	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12535	9.343	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12535	7.034	ng	# 26
63) Azobenzene	10.634	77	15985	2.986	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	5294	2.466	ng	# 1
75) Fluoranthene	12.622	202	42113	4.342	ng	100
78) Pyrene	12.851	202	43782	3.063	ng	99
88) Benzo(b)fluoranthene	15.104	252	21262	3.554	ng	# 83
89) Benzo(k)fluoranthene	15.104	252	21262	3.799	ng	# 83

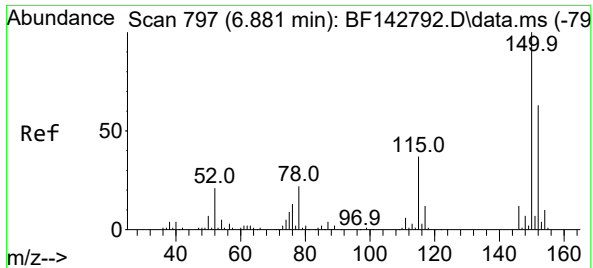
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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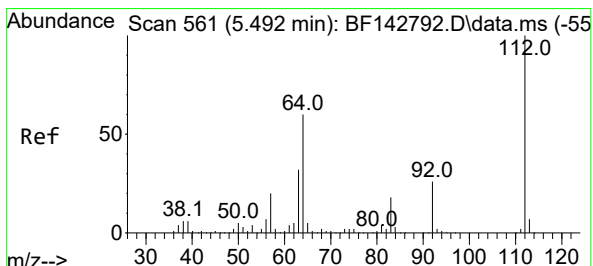
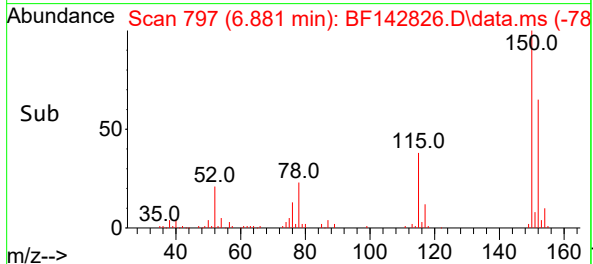
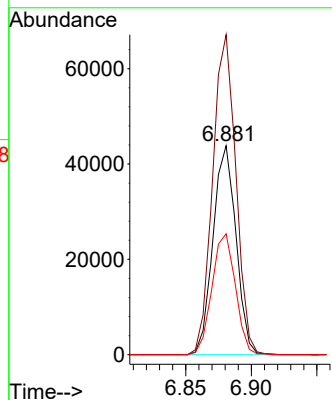
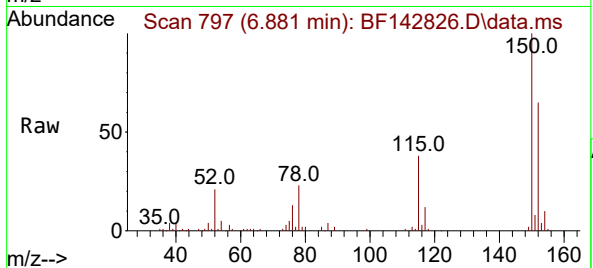




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

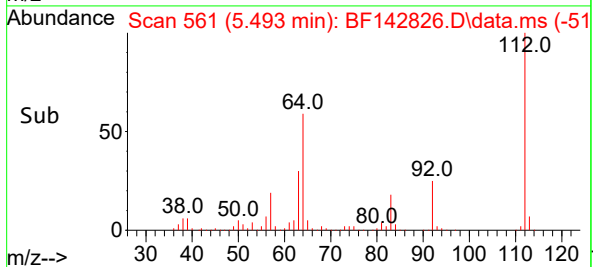
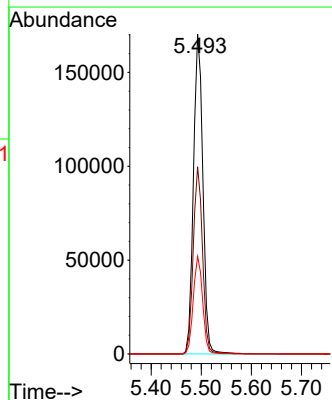
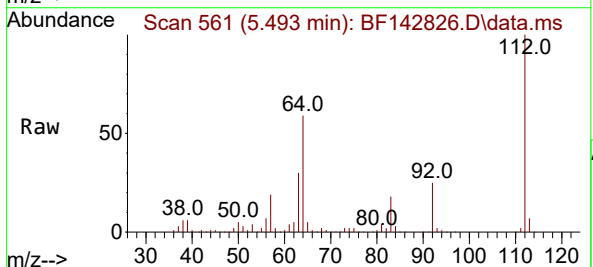
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

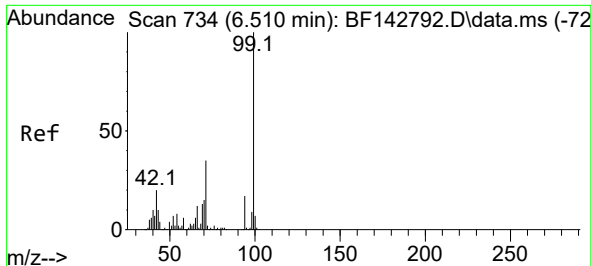
Tgt Ion:152 Resp: 53337
Ion Ratio Lower Upper
152 100
150 153.2 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 69.404 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:112 Resp: 222339
Ion Ratio Lower Upper
112 100
64 58.5 48.2 72.2
63 30.5 25.7 38.5





#7

Phenol-d6

Concen: 70.992 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

Instrument :

BNA_F

ClientSampleId :

PARK AVE -5

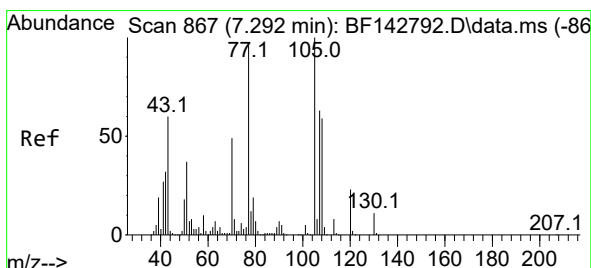
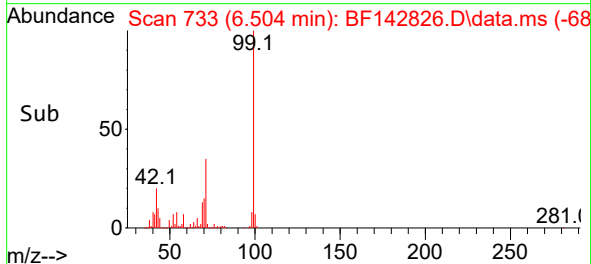
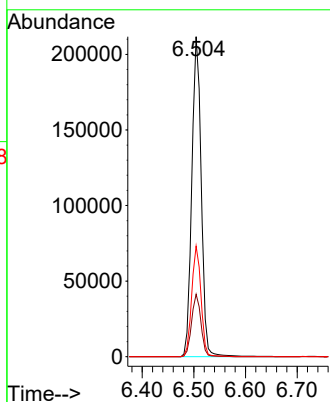
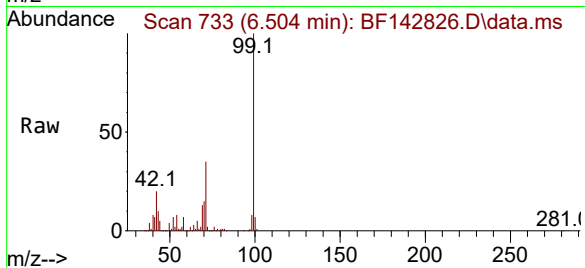
Tgt Ion: 99 Resp: 268320

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 34.5 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 8.728 ng

RT: 7.440 min Scan# 892

Delta R.T. 0.147 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

Tgt Ion: 70 Resp: 19186

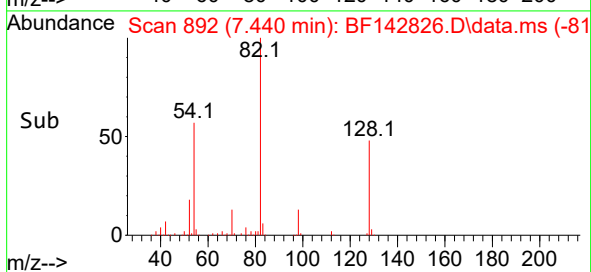
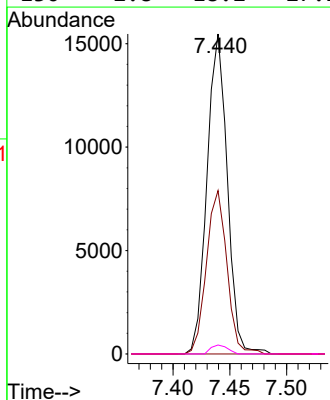
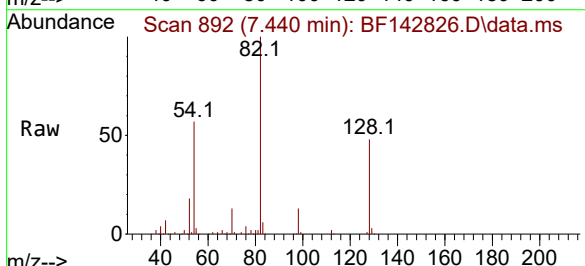
Ion Ratio Lower Upper

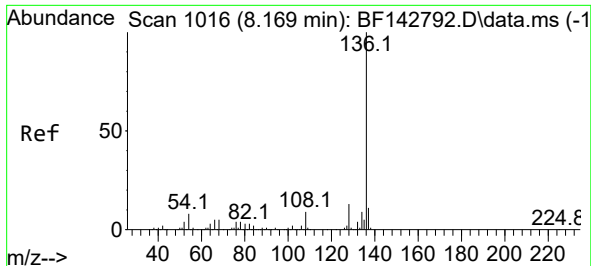
70 100

42 51.0 52.1 78.1#

101 0.0 8.2 12.2#

130 2.8 18.2 27.2#



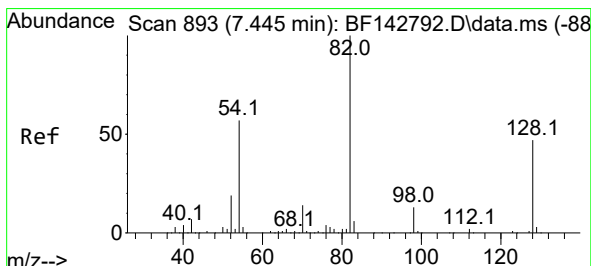
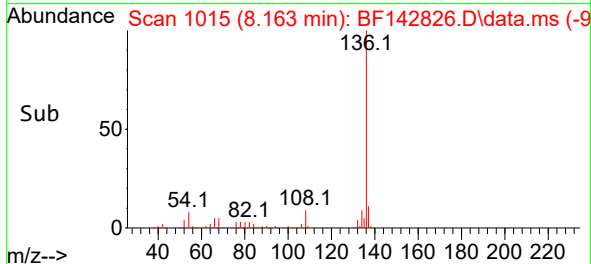
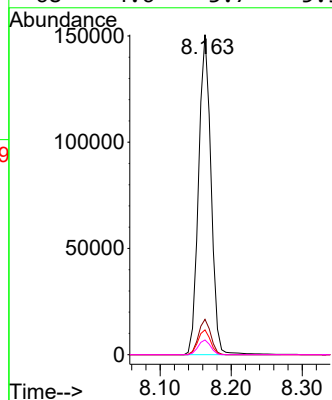
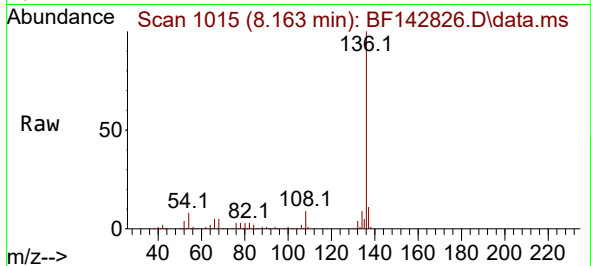


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:136 Resp: 183629

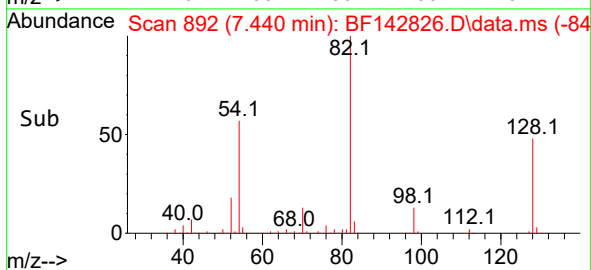
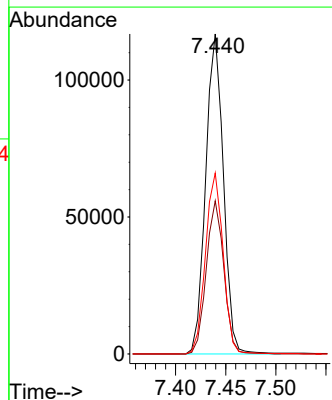
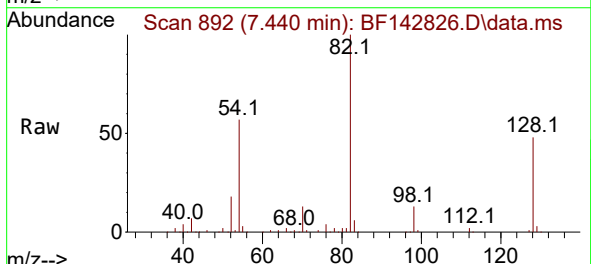
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.7	6.3	9.5
68	4.6	3.7	5.5

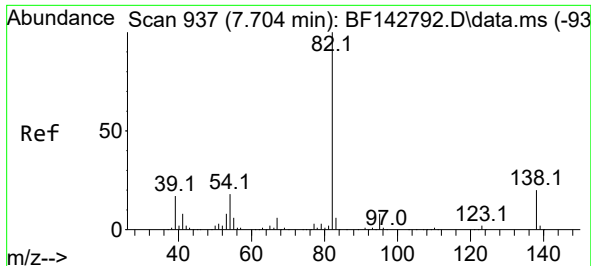


#23
Nitrobenzene-d5
Concen: 43.047 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion: 82 Resp: 144112

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	56.6	45.7	68.5

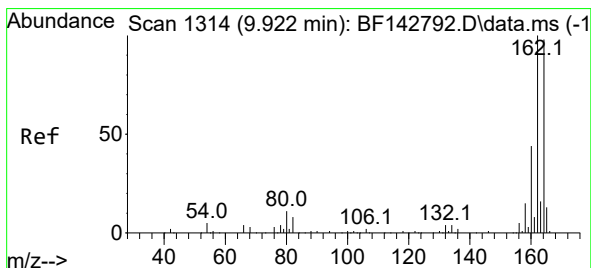
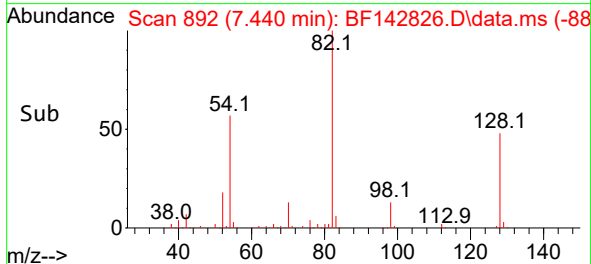
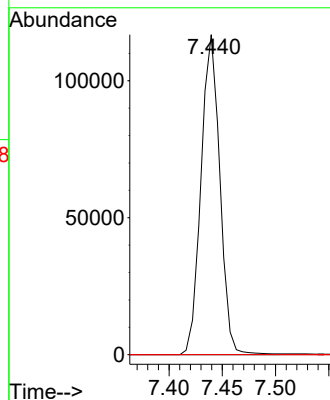
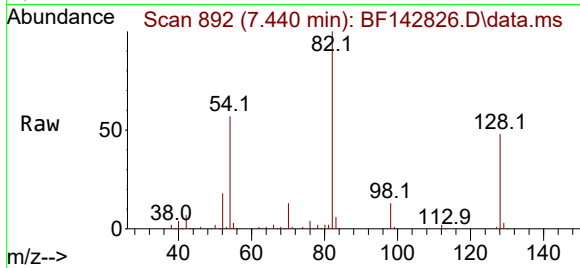




#25
Isophorone
Concen: 26.839 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.264 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

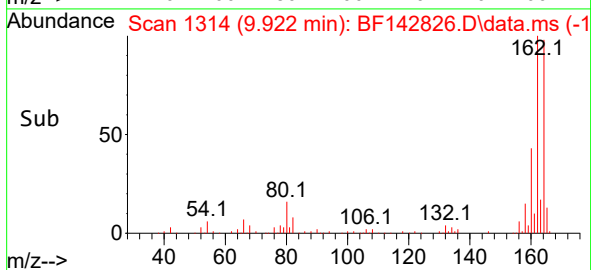
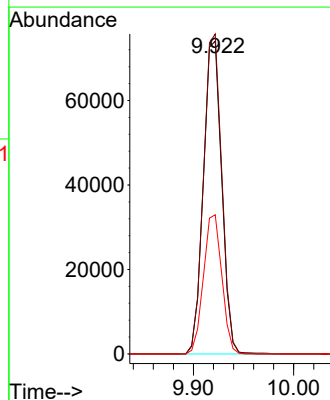
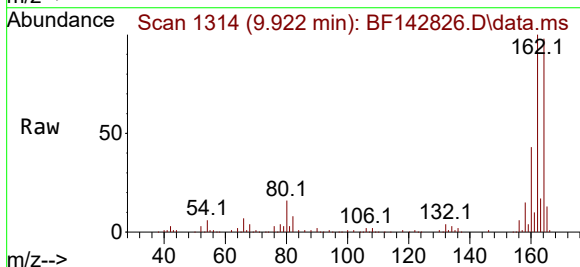
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

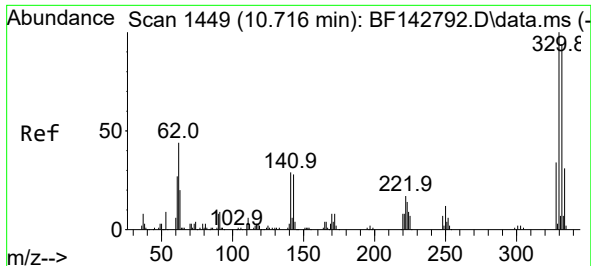
Tgt Ion: 82 Resp: 144135
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:164 Resp: 94380
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.8
160 44.5 36.0 54.0

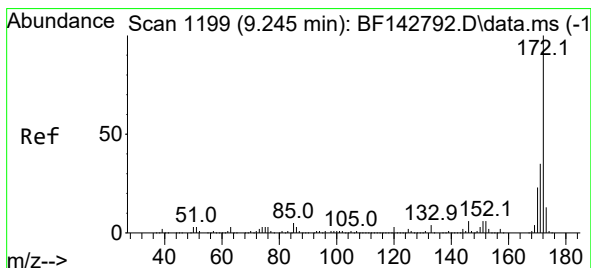
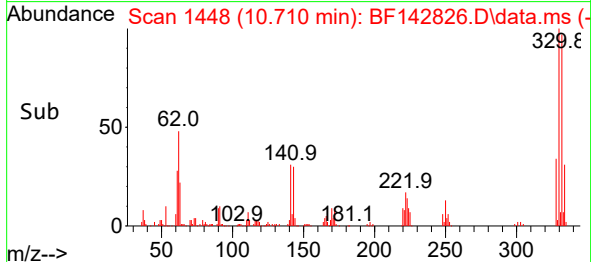
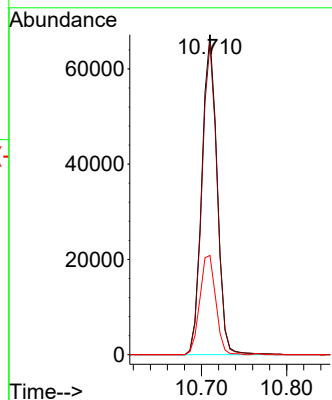
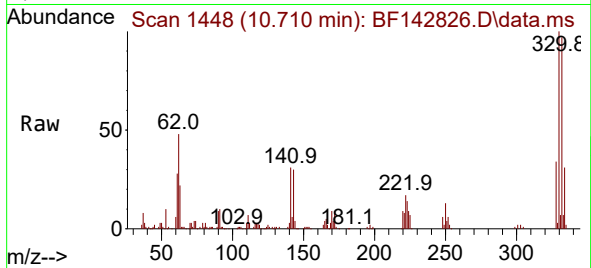




#42
2,4,6-Tribromophenol
Concen: 85.767 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

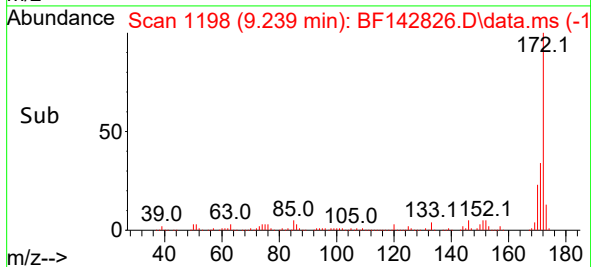
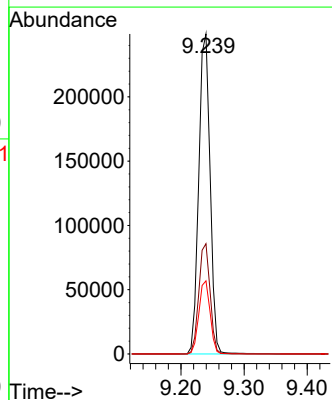
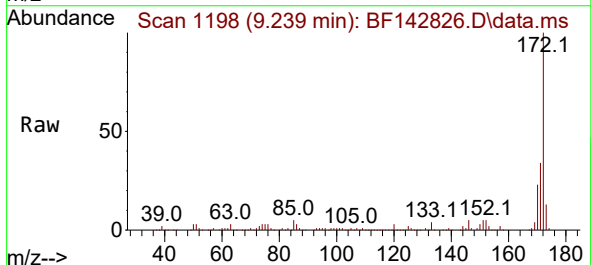
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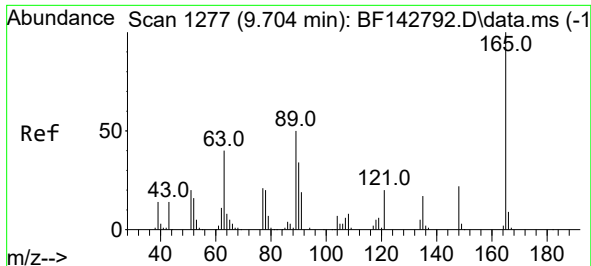
Tgt Ion: 330 Resp: 83300
Ion Ratio Lower Upper
330 100
332 96.9 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 43.119 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion: 172 Resp: 309785
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 22.9 18.5 27.7

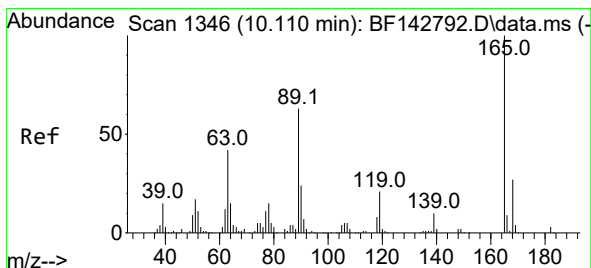
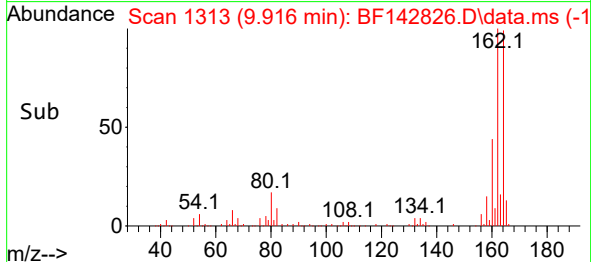
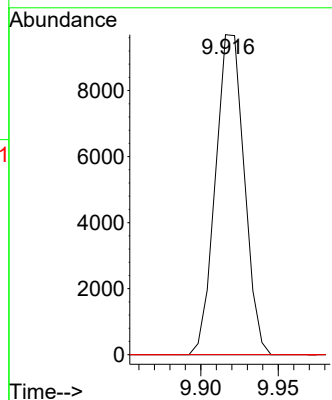
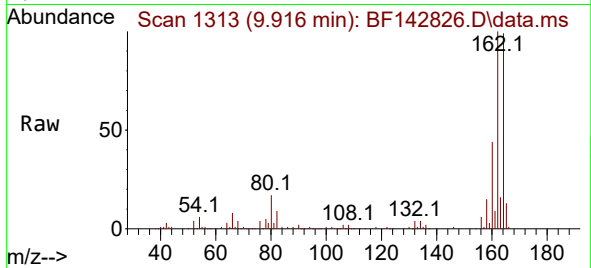




#51
2,6-Dinitrotoluene
Concen: 9.343 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

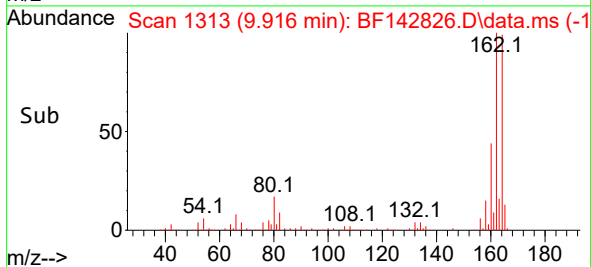
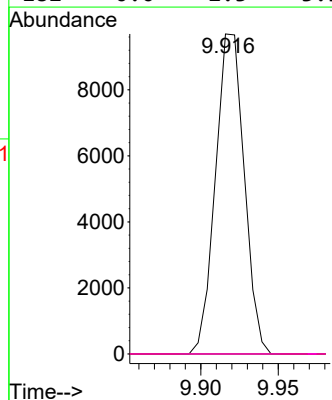
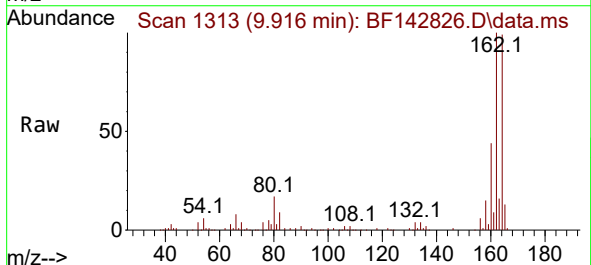
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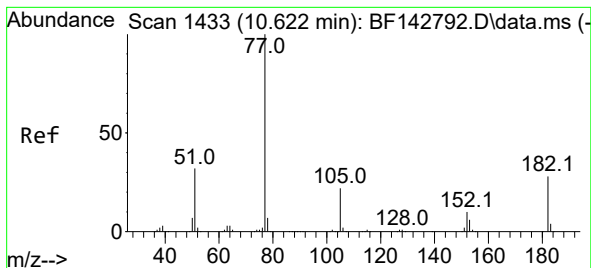
Tgt Ion:165 Resp: 12535
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.034 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:165 Resp: 12535
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: 2.986 ng

RT: 10.634 min Scan# 1435

Delta R.T. 0.012 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

Instrument :

BNA_F

ClientSampleId :

PARK AVE -5

Tgt Ion: 77 Resp: 15985

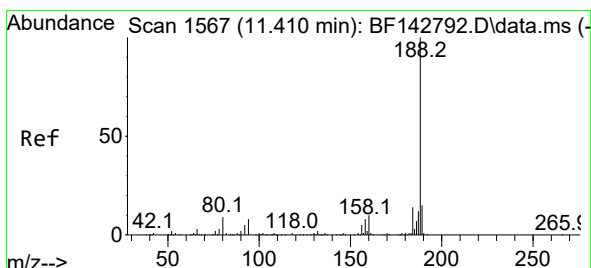
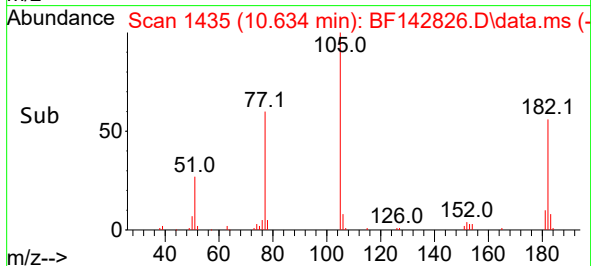
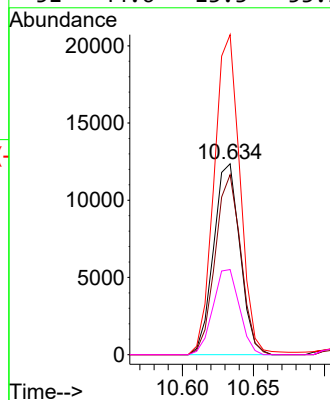
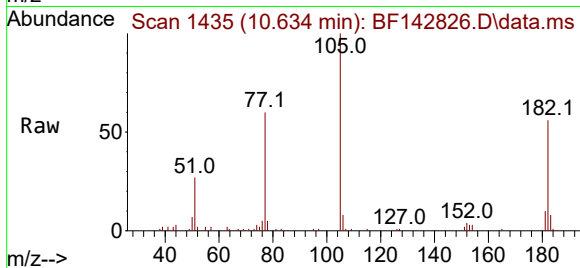
Ion Ratio Lower Upper

77 100

182 94.3 7.7 47.7#

105 167.6 1.9 41.9#

51 44.6 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: BF142826.D

Acq: 24 Jun 2025 18:34

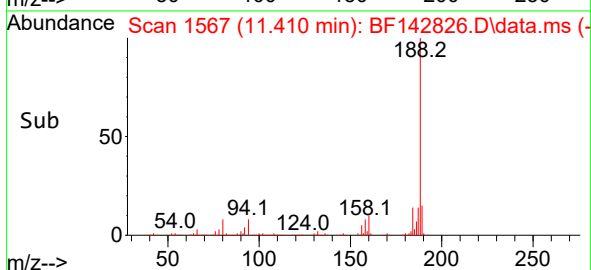
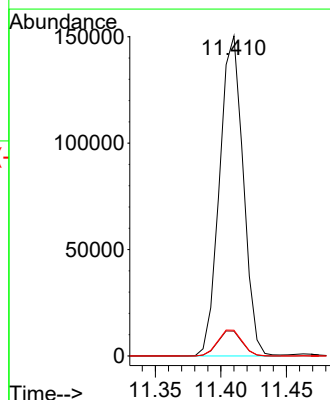
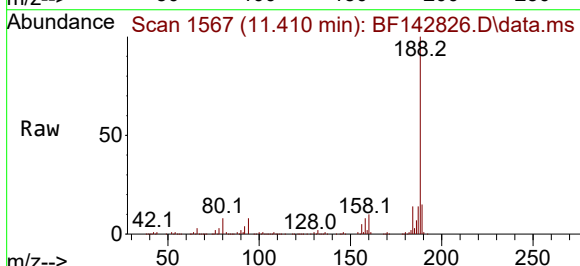
Tgt Ion:188 Resp: 188653

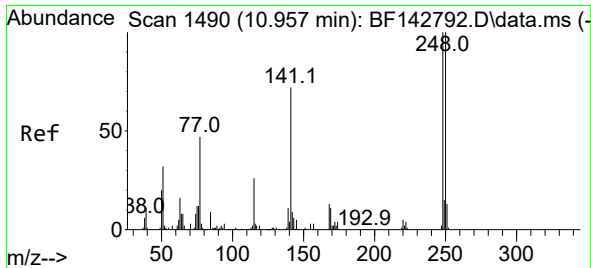
Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 8.1 6.9 10.3

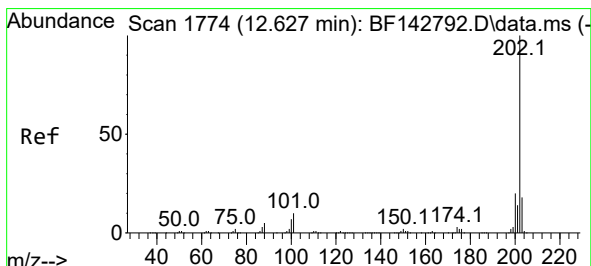
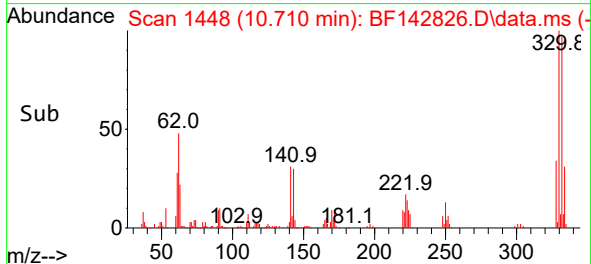
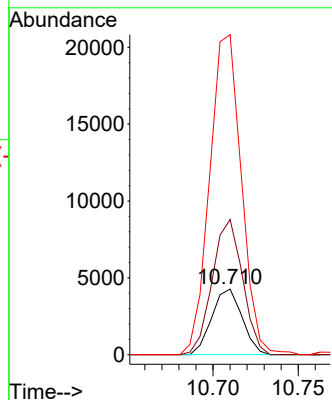
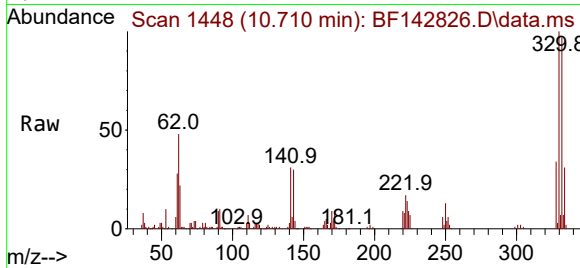




#67
4-Bromophenyl-phenylether
Concen: 2.466 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

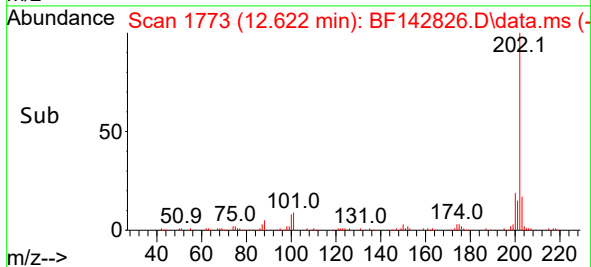
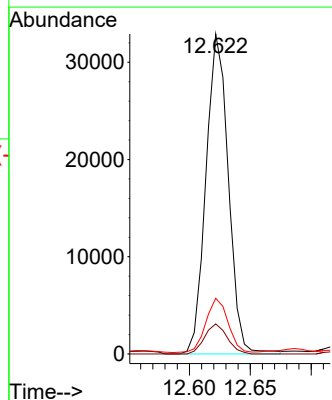
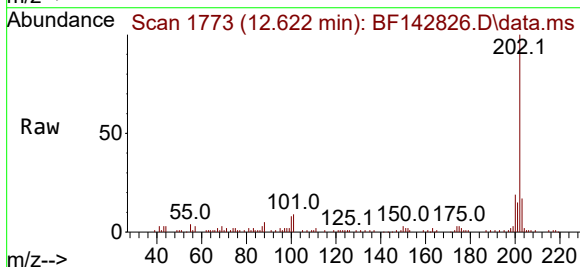
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

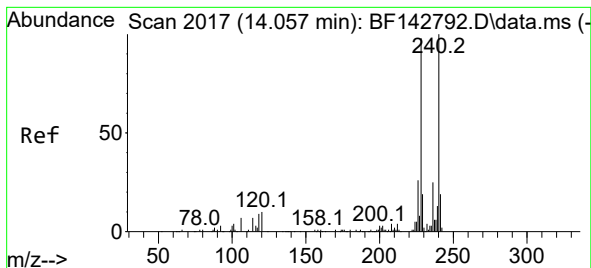
Tgt Ion:248 Resp: 5294
Ion Ratio Lower Upper
248 100
250 205.9 79.8 119.8#
141 487.5 57.8 86.6#



#75
Fluoranthene
Concen: 4.342 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 42113
Ion Ratio Lower Upper
202 100
101 9.4 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: BF142826.D

Acq: 24 Jun 2025 18:34

Instrument :

BNA_F

ClientSampleId :

PARK AVE -5

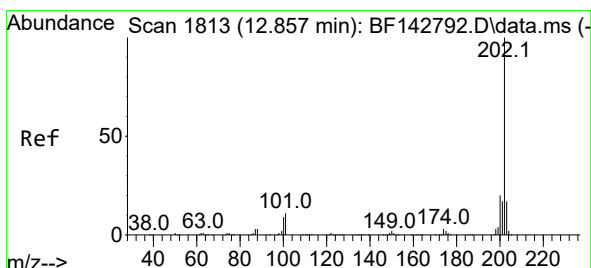
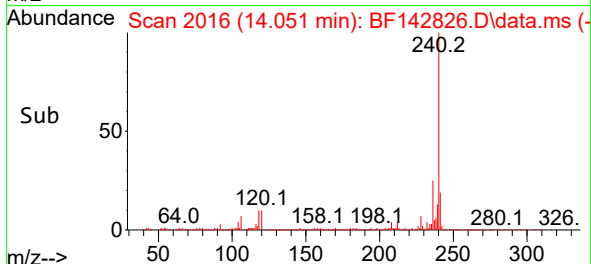
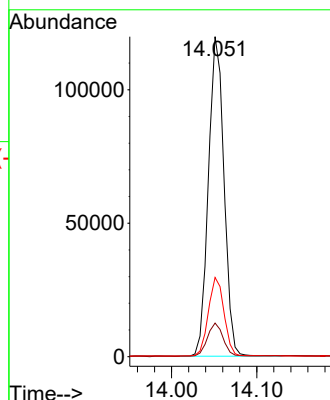
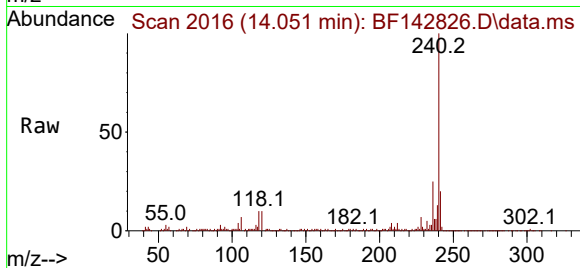
Tgt Ion:240 Resp: 152475

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 24.7 19.8 29.8



#78

Pyrene

Concen: 3.063 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

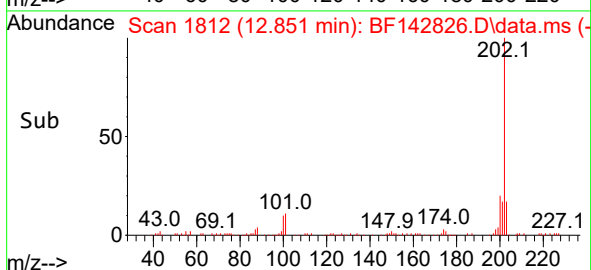
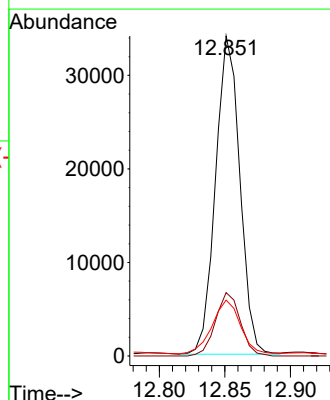
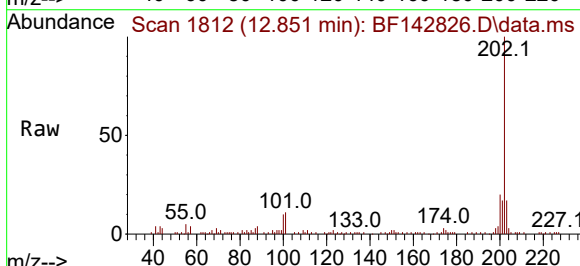
Tgt Ion:202 Resp: 43782

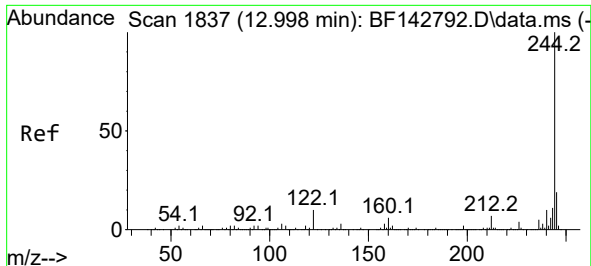
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.5 13.8 20.6

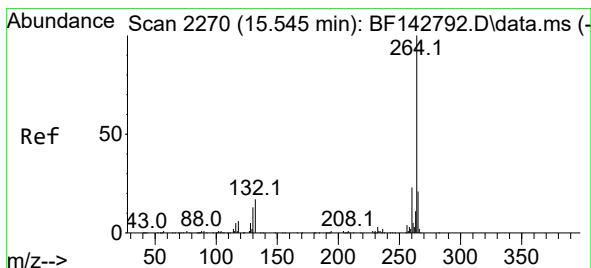
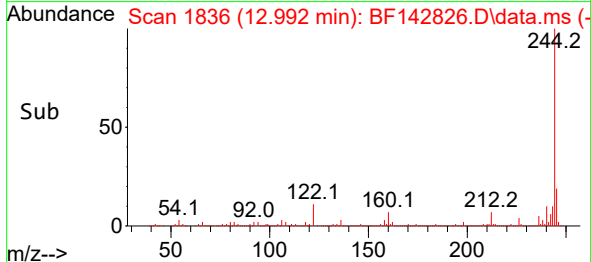
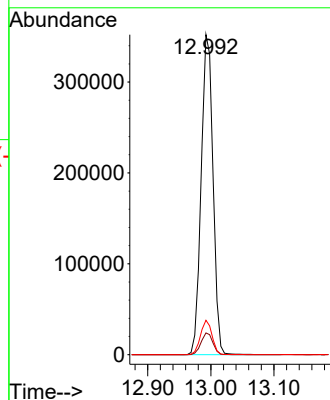
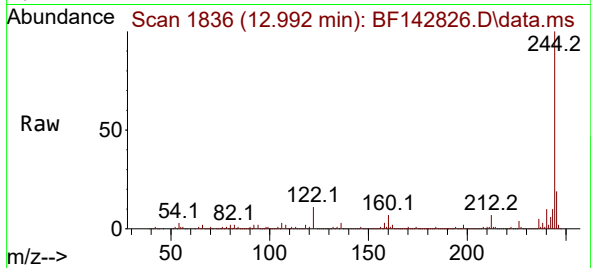




#79
 Terphenyl-d14
 Concen: 41.476 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142826.D
 Acq: 24 Jun 2025 18:34

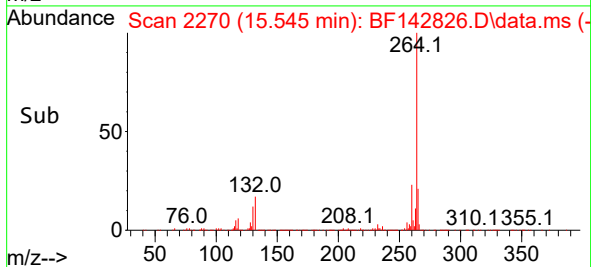
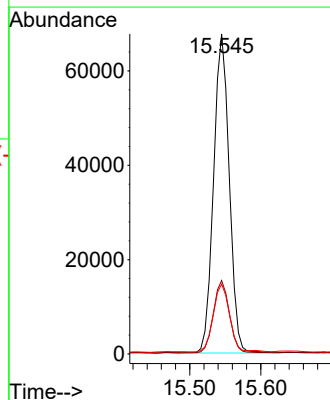
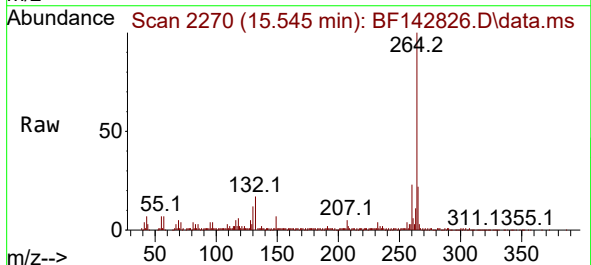
Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -5

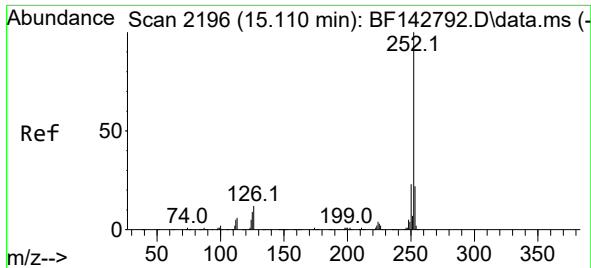
Tgt Ion:244 Resp: 457697
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.7 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142826.D
 Acq: 24 Jun 2025 18:34

Tgt Ion:264 Resp: 103394
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.1 27.1
 265 21.8 16.6 25.0

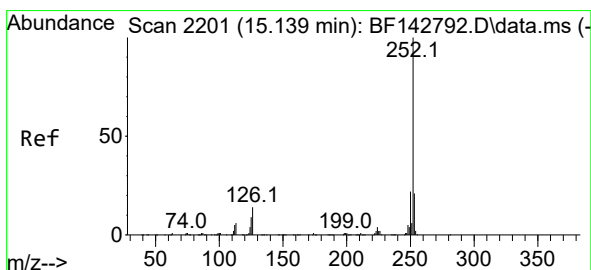
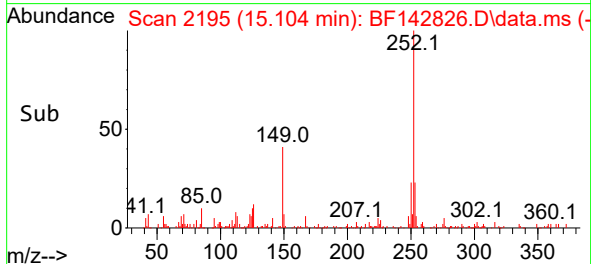
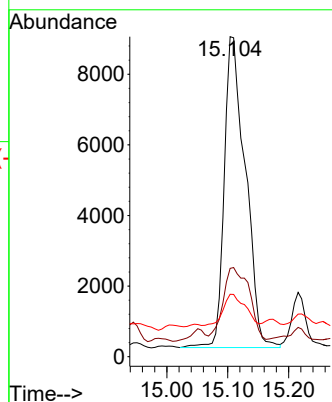
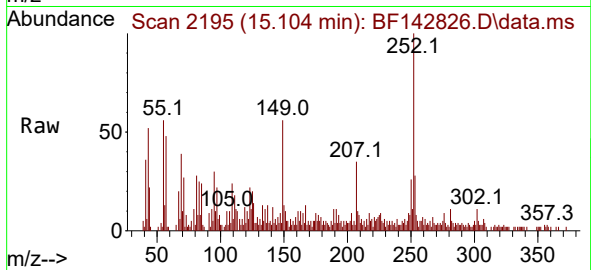




#88
Benzo(b)fluoranthene
Concen: 3.554 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Tgt Ion:252 Resp: 21262
Ion Ratio Lower Upper
252 100
253 27.6 17.5 26.3#
125 19.5 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 3.799 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:252 Resp: 21262
Ion Ratio Lower Upper
252 100
253 27.6 17.2 25.8#
125 19.5 7.4 11.2#

