

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142841.D
 Acq On : 25 Jun 2025 17:02
 Operator : RC/JU
 Sample : Q2393-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -2

Quant Time: Jun 25 17:42:11 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)

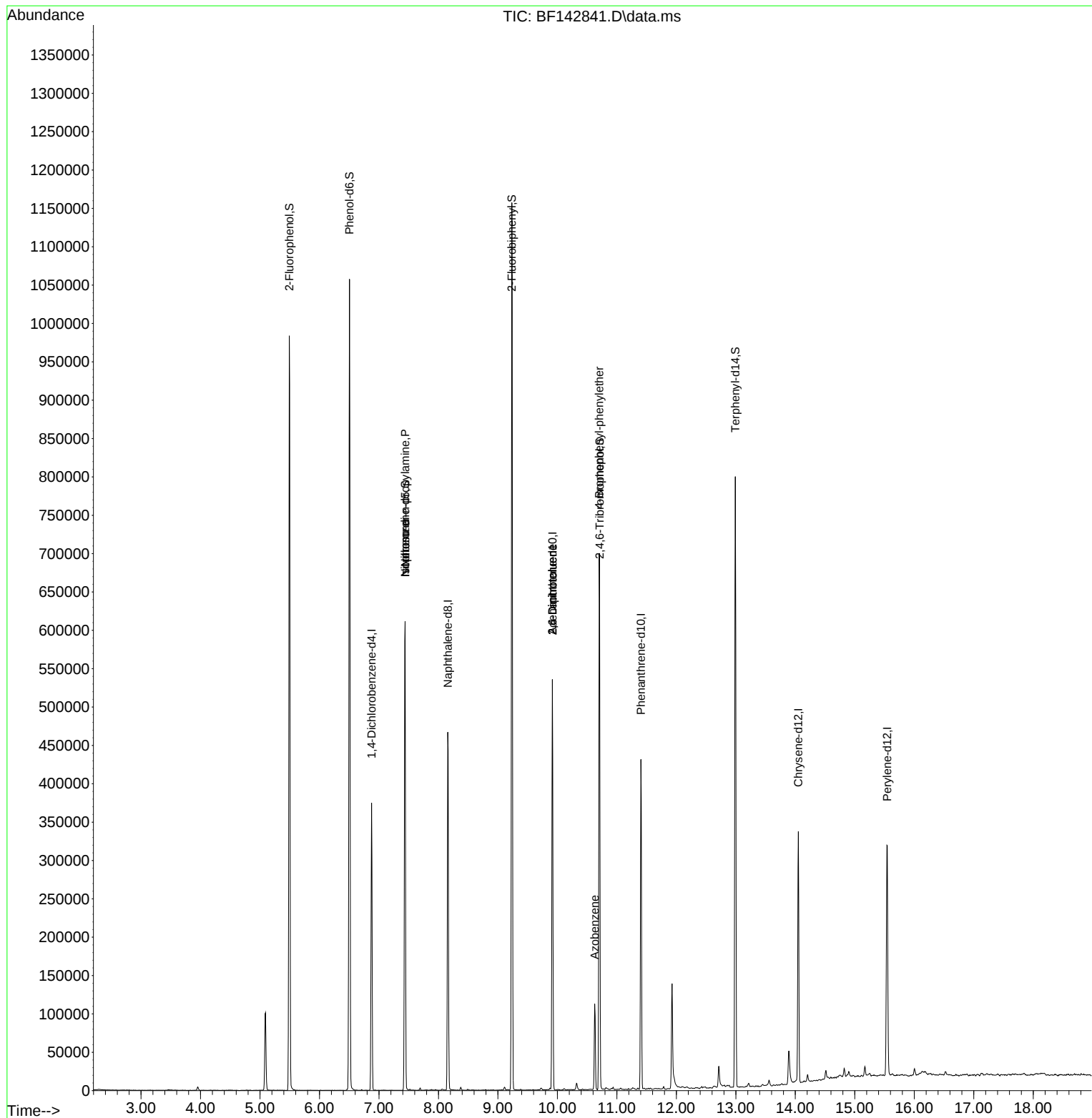
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79690	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	305909	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	156047	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	222655	20.000	ng	0.00
76) Chrysene-d12	14.051	240	158233	20.000	ng	0.00
86) Perylene-d12	15.545	264	179947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	376919	78.748	ng	0.00
7) Phenol-d6	6.504	99	485476	85.970	ng	0.00
23) Nitrobenzene-d5	7.439	82	264621	47.448	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118063	73.521	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	507303	42.707	ng	-0.01
79) Terphenyl-d14	12.992	244	373474	32.612	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	35176	10.710	ng	# 75
25) Isophorone	7.439	82	264617	29.578	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	19846	8.947	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	19846	6.735	ng	# 27
63) Azobenzene	10.627	77	25601	2.892	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	7525	2.970	ng	# 1

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

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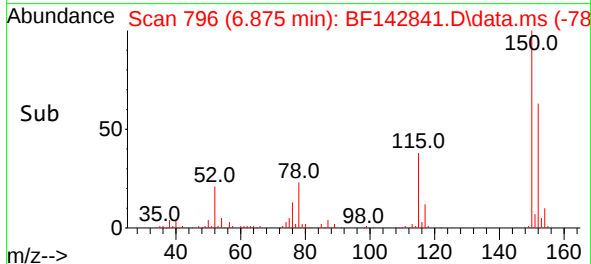
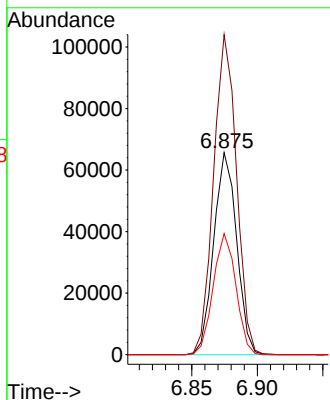
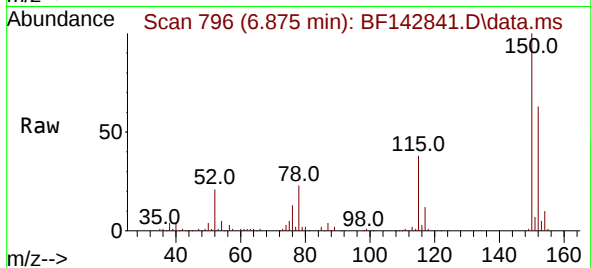




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

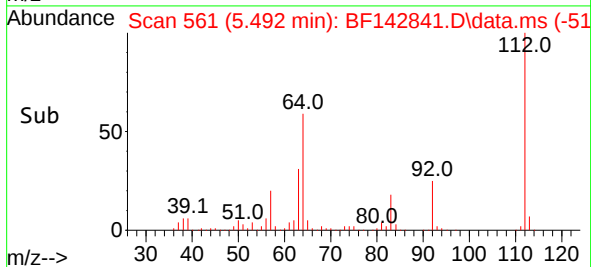
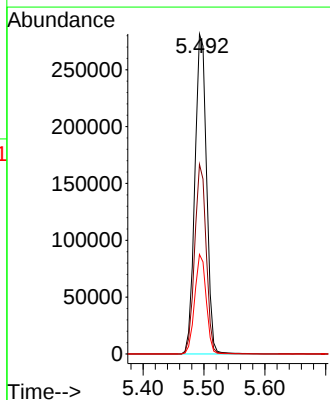
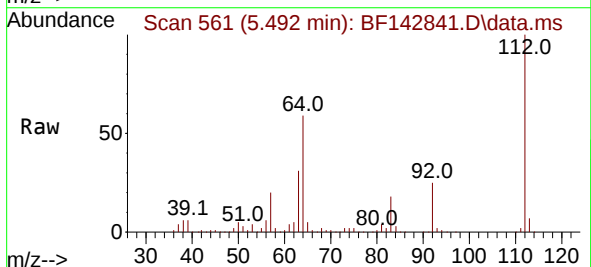
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

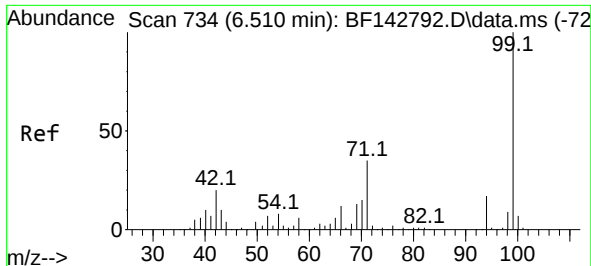
Tgt Ion:152 Resp: 79690
Ion Ratio Lower Upper
152 100
150 158.4 127.2 190.8
115 59.9 46.6 69.8



#5
2-Fluorophenol
Concen: 78.748 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:112 Resp: 376919
Ion Ratio Lower Upper
112 100
64 59.3 48.2 72.2
63 31.1 25.7 38.5

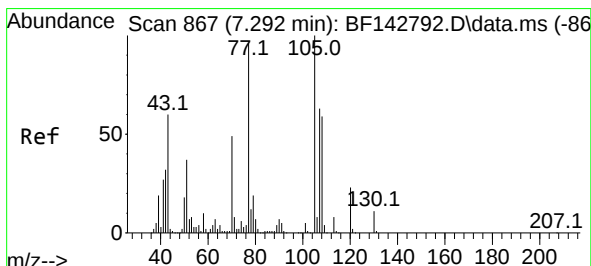
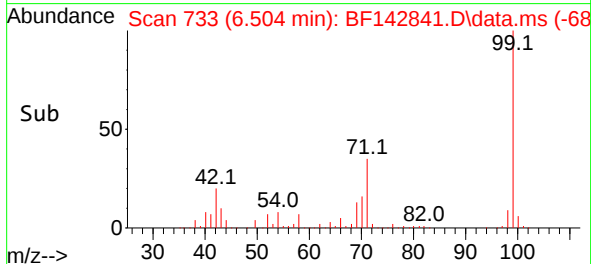
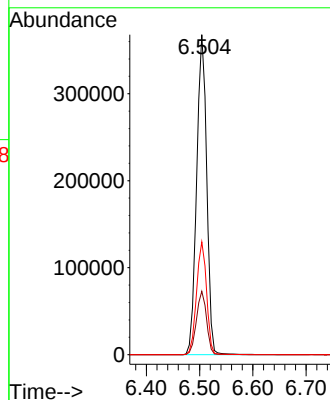
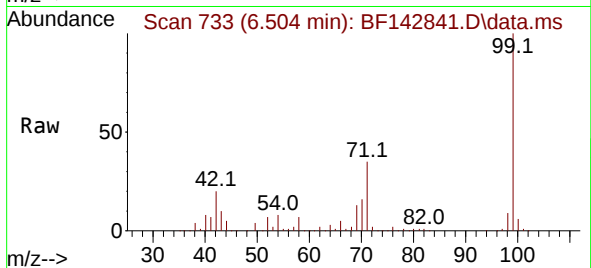




#7
Phenol-d6
Concen: 85.970 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

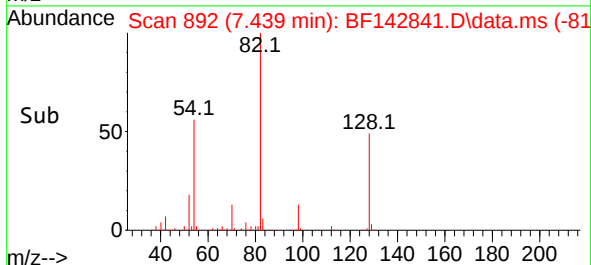
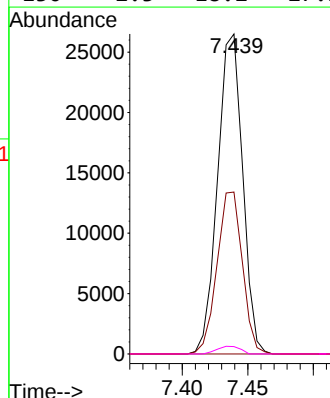
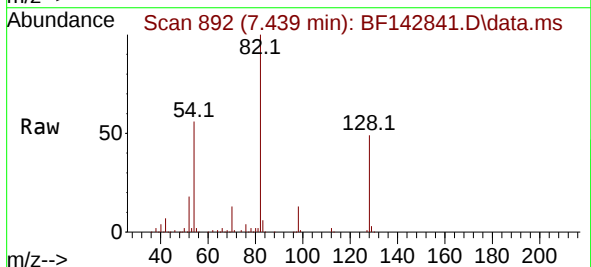
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion: 99 Resp: 485476
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.3 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.710 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion: 70 Resp: 35176
Ion Ratio Lower Upper
70 100
42 50.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#

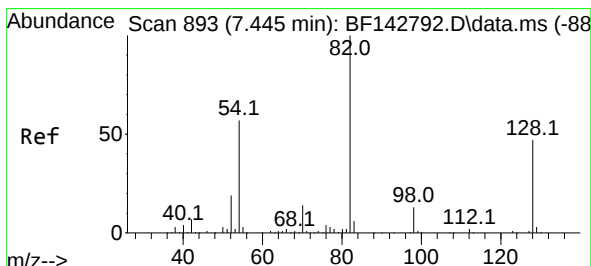
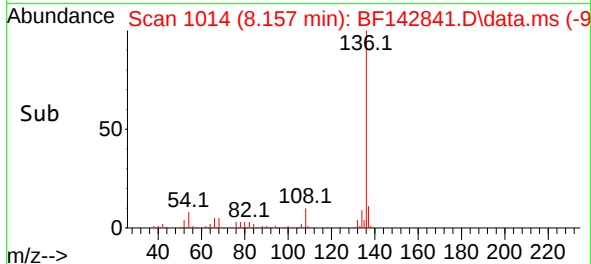
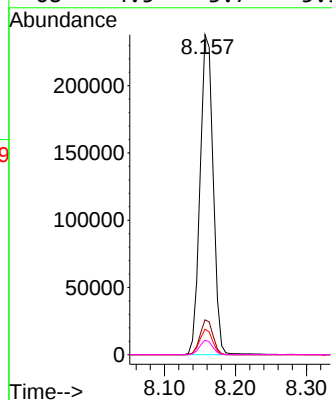
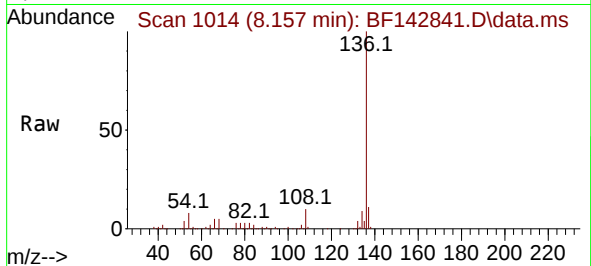




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

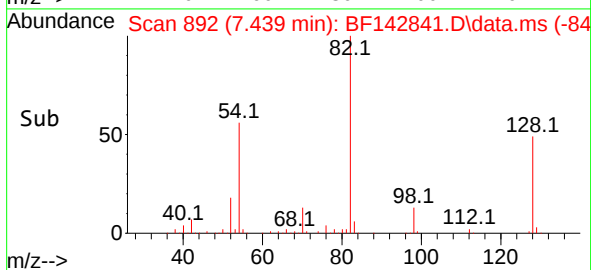
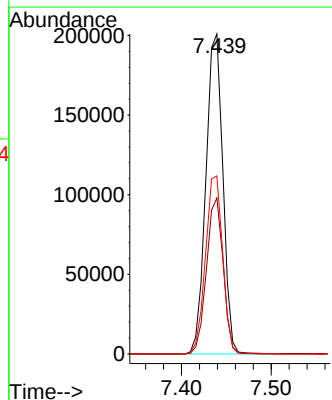
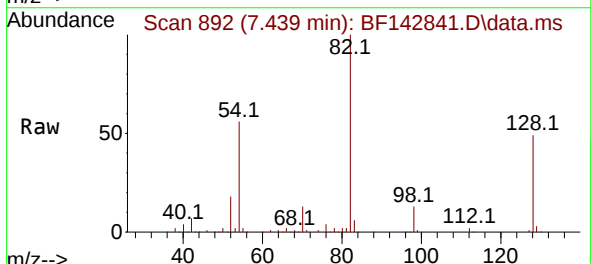
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion:136 Resp: 305909
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.9 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 47.448 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion: 82 Resp: 264621
Ion Ratio Lower Upper
82 100
128 48.8 37.7 56.5
54 55.7 45.7 68.5

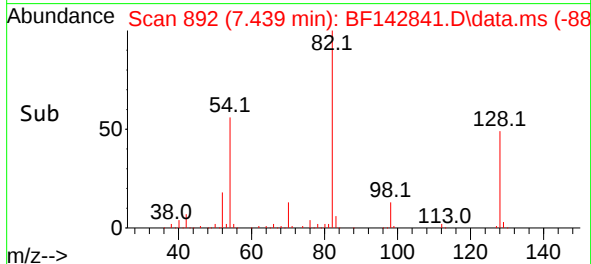
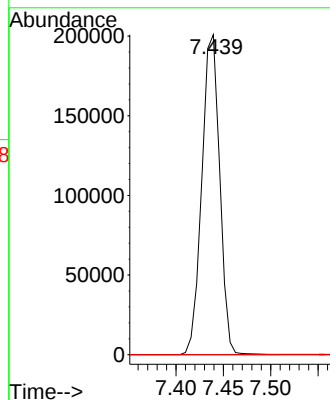
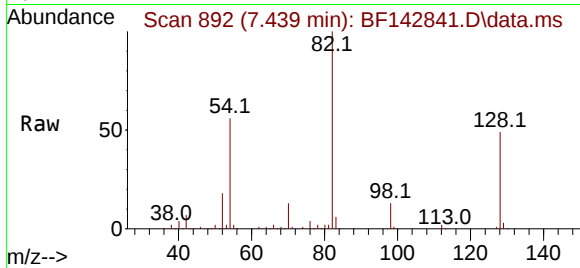




#25
Isophorone
Concen: 29.578 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

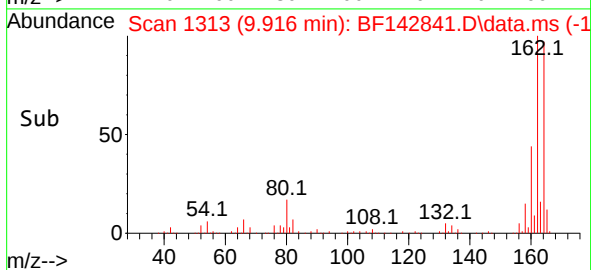
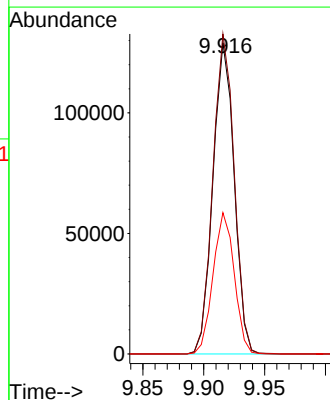
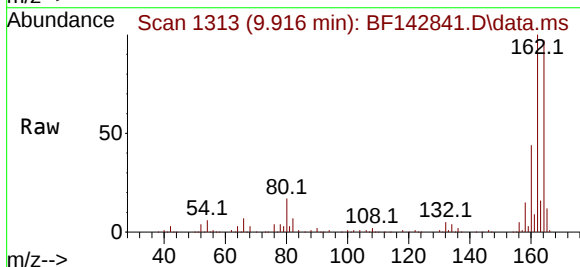
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Tgt Ion: 82 Resp: 264617
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: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:164 Resp: 156047
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.8
160 45.4 36.0 54.0

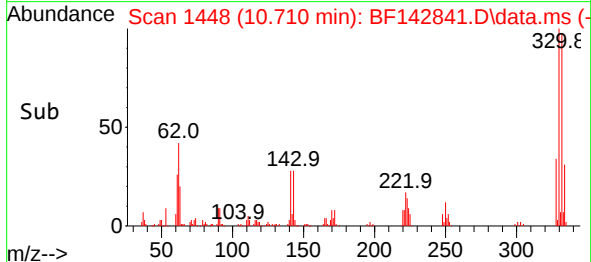
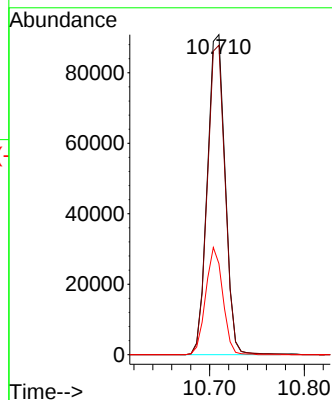
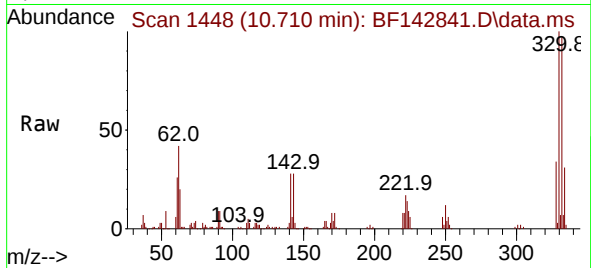




#42
2,4,6-Tribromophenol
Concen: 73.521 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

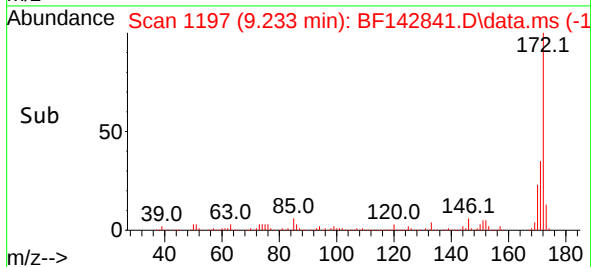
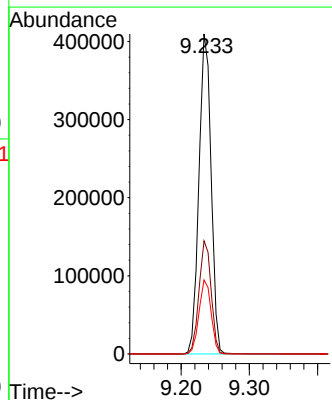
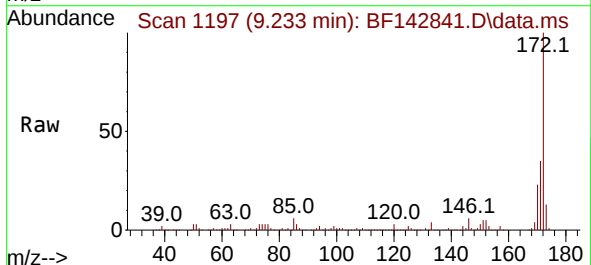
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

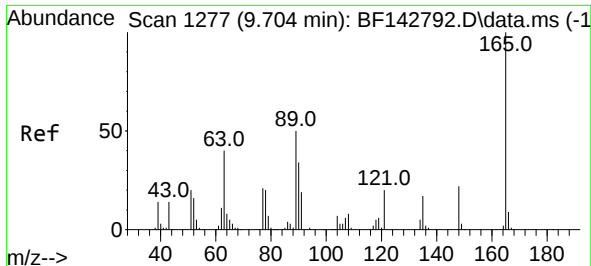
Tgt Ion:330 Resp: 118063
Ion Ratio Lower Upper
330 100
332 97.0 75.0 112.6
141 32.2 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 42.707 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:172 Resp: 507303
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.1 18.5 27.7

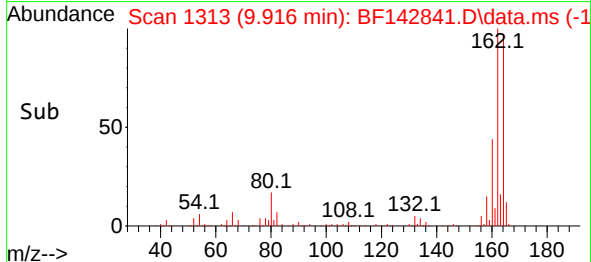
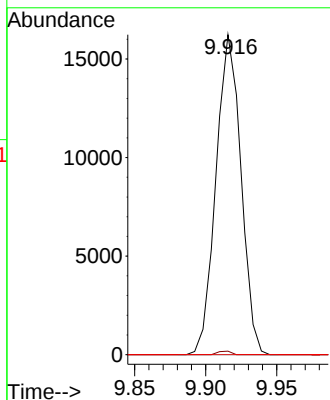
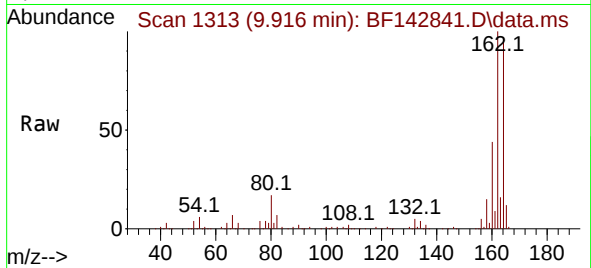




#51
2,6-Dinitrotoluene
Concen: 8.947 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

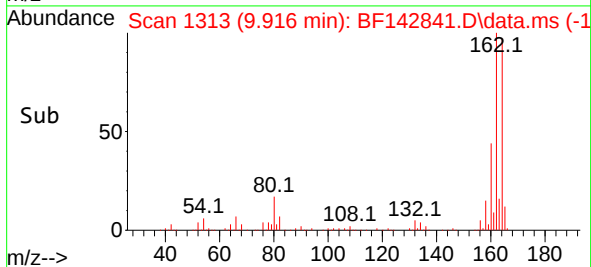
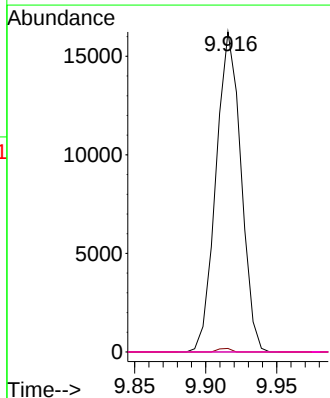
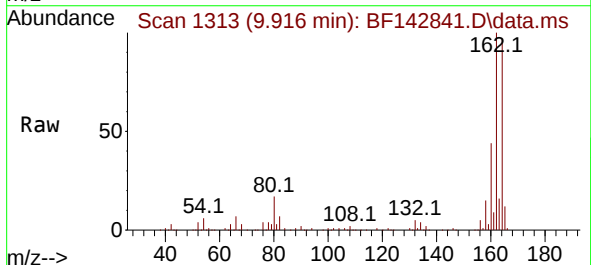
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

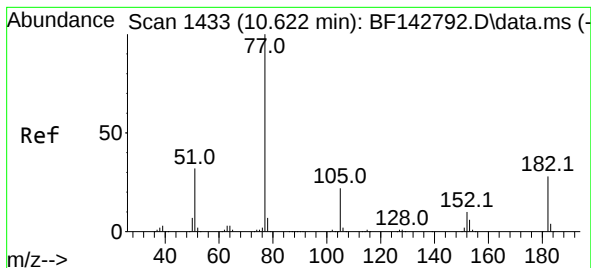
Tgt Ion:165 Resp: 19846
Ion Ratio Lower Upper
165 100
63 1.1 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.735 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:165 Resp: 19846
Ion Ratio Lower Upper
165 100
63 1.1 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.892 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

Instrument :

BNA_F

ClientSampleId :

PARK AVE -2

Tgt Ion: 77 Resp: 25601

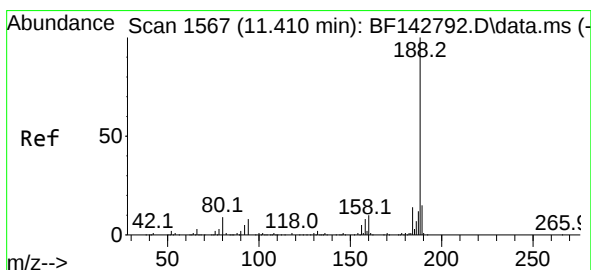
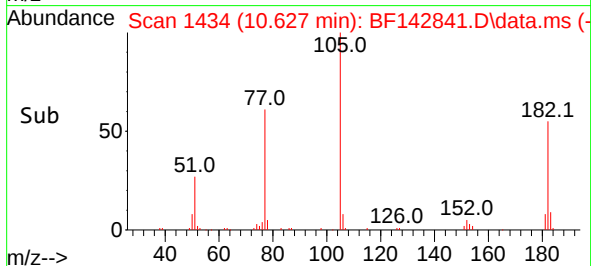
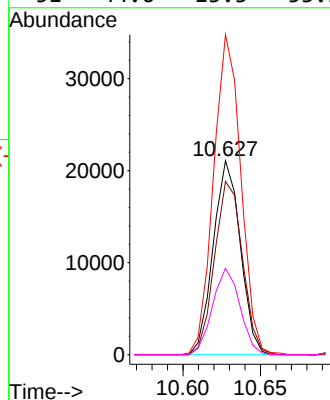
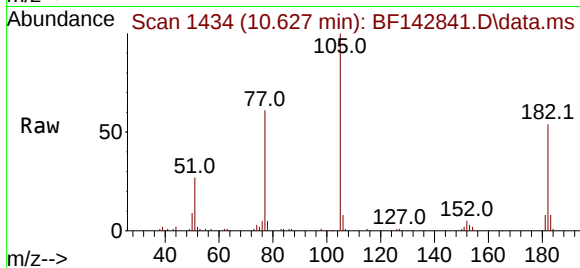
Ion Ratio Lower Upper

77 100

182 89.3 7.7 47.7#

105 165.0 1.9 41.9#

51 44.6 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

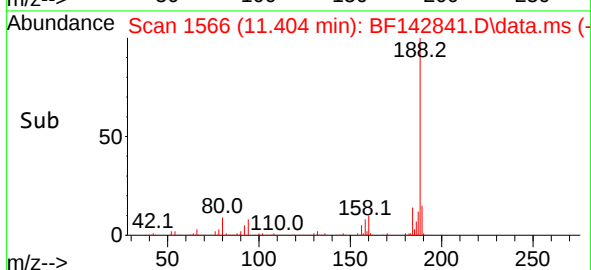
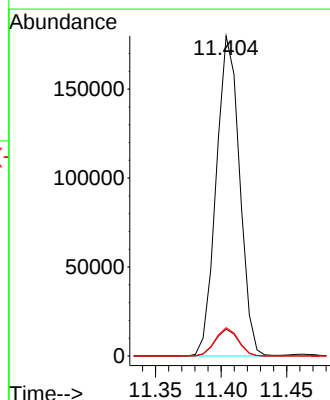
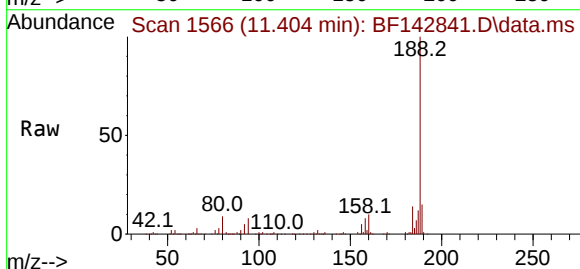
Tgt Ion: 188 Resp: 222655

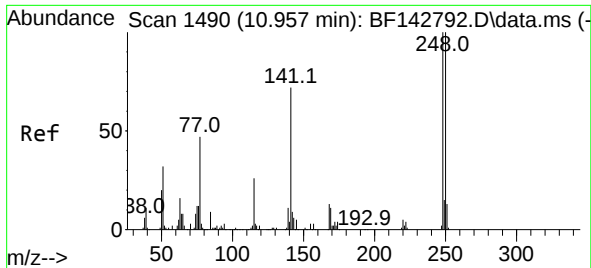
Ion Ratio Lower Upper

188 100

94 8.4 6.7 10.1

80 8.9 6.9 10.3

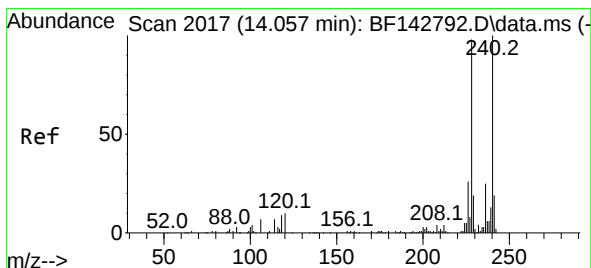
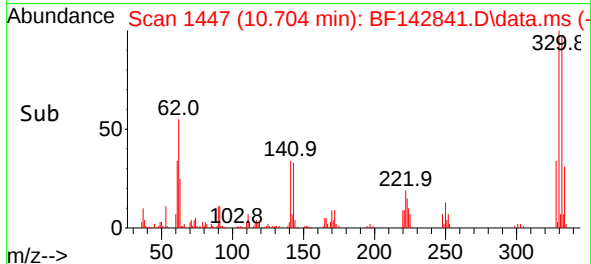
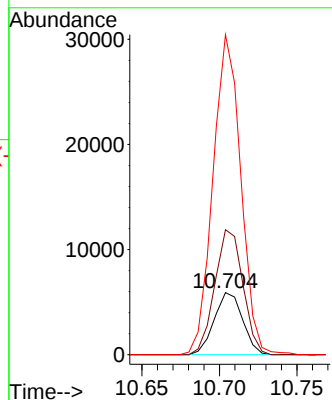
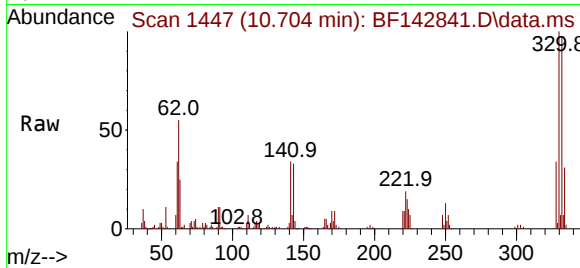




#67
4-Bromophenyl-phenylether
Concen: 2.970 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

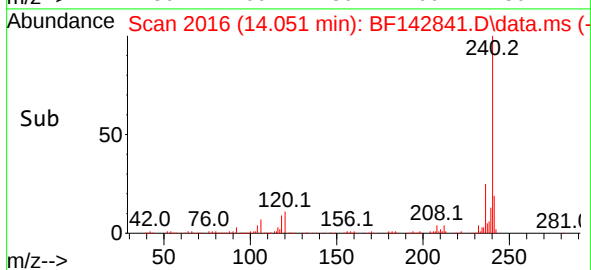
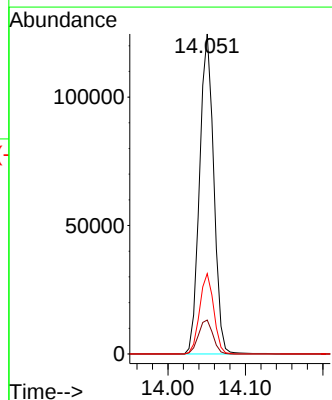
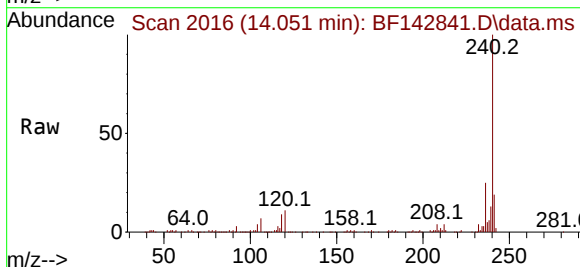
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

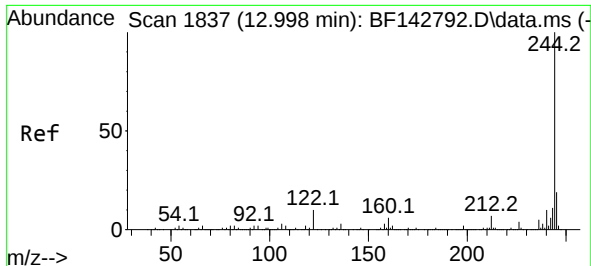
Tgt Ion:248 Resp: 7525
Ion Ratio Lower Upper
248 100
250 201.1 79.8 119.8#
141 515.1 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

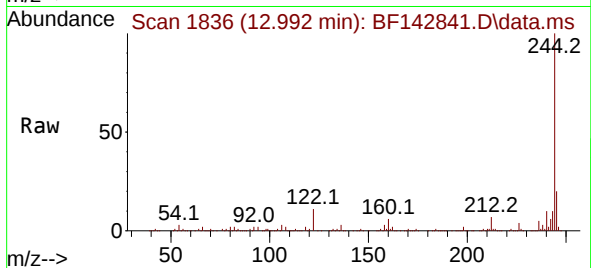
Tgt Ion:240 Resp: 158233
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 25.1 19.8 29.8



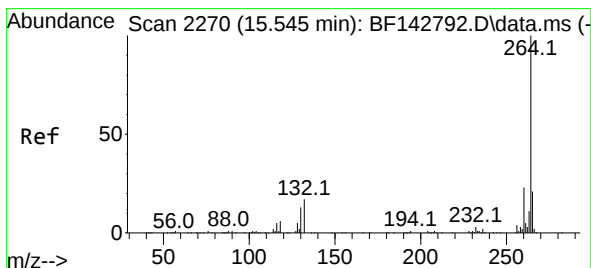
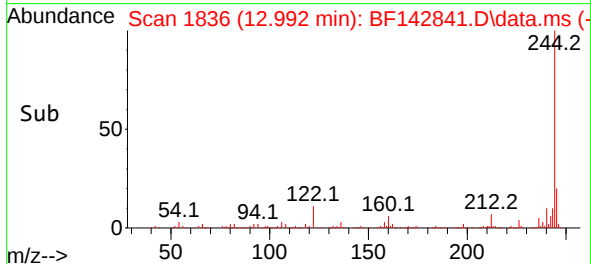
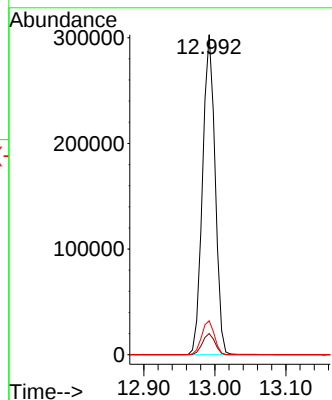


#79
 Terphenyl-d14
 Concen: 32.612 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142841.D
 Acq: 25 Jun 2025 17:02

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -2



Tgt Ion:244 Resp: 373474
 Ion Ratio Lower Upper
 244 100
 212 6.6 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: BF142841.D
 Acq: 25 Jun 2025 17:02

Tgt Ion:264 Resp: 179947
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.1 27.1
 265 21.8 16.6 25.0

