

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142506.D
 Acq On : 22 May 2025 13:11
 Operator : RC/JU
 Sample : Q2074-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Quant Time: May 22 13:53:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

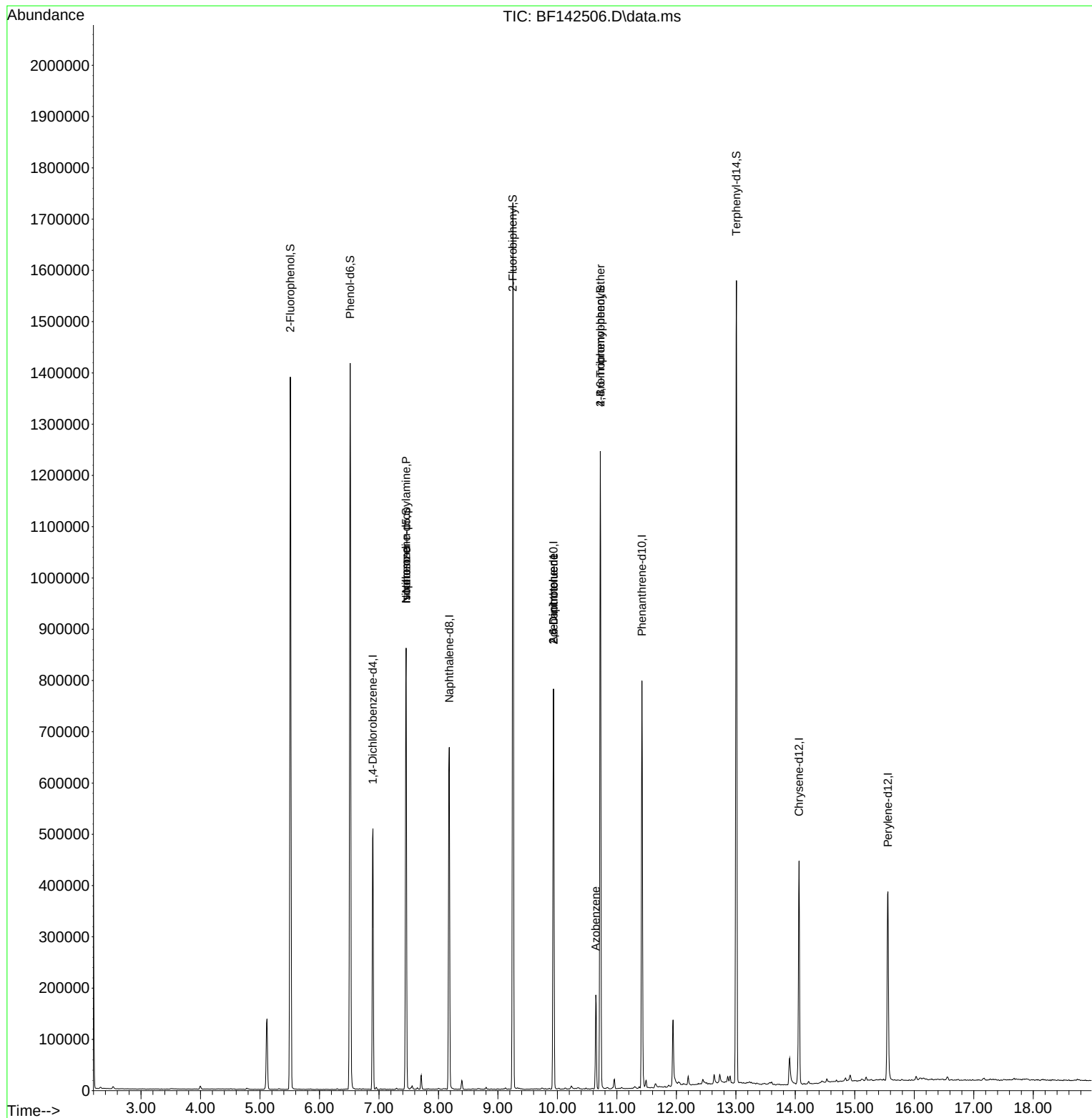
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	114998	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	438934	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	234734	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	406523	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	207782	20.000	ng	-0.01
86) Perylene-d12	15.557	264	225144	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	531675	77.892	ng	0.00
7) Phenol-d6	6.516	99	667202	81.201	ng	-0.02
23) Nitrobenzene-d5	7.457	82	369353	45.885	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	218064	83.702	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	785241	44.888	ng	-0.02
79) Terphenyl-d14	13.010	244	772849	50.829	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	49122	9.646	ng	# 76
25) Isophorone	7.457	82	340687	25.314	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	29747	8.899	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	29747	6.814	ng	# 28
63) Azobenzene	10.645	77	44132	3.248	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13455	2.799	ng	# 1

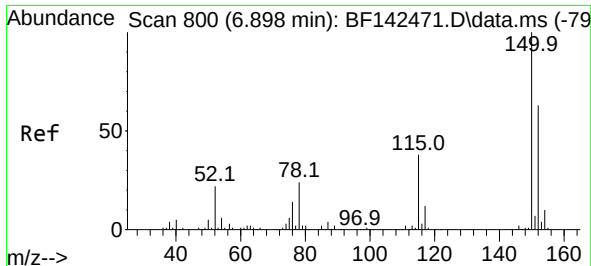
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142506.D
Acq On : 22 May 2025 13:11
Operator : RC/JU
Sample : Q2074-08
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-18

Quant Time: May 22 13:53:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

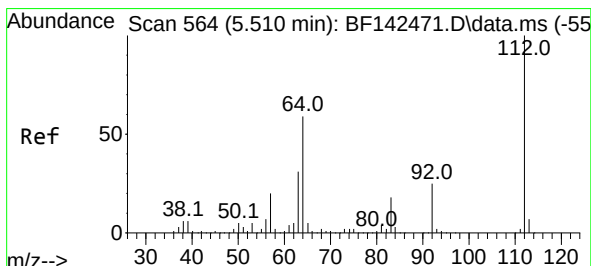
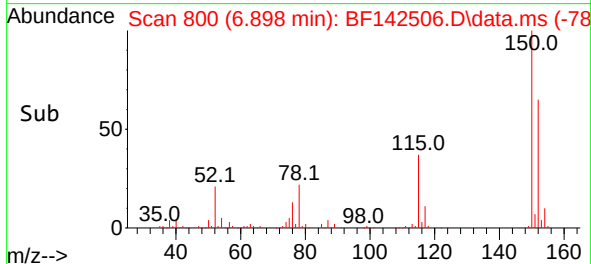
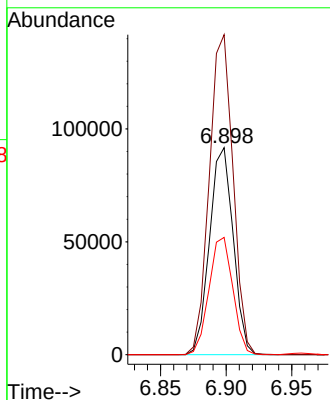
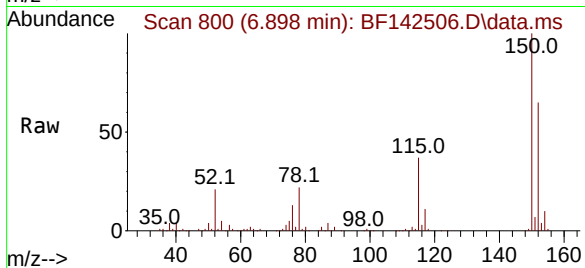




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

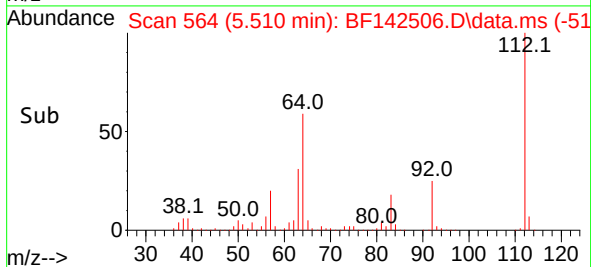
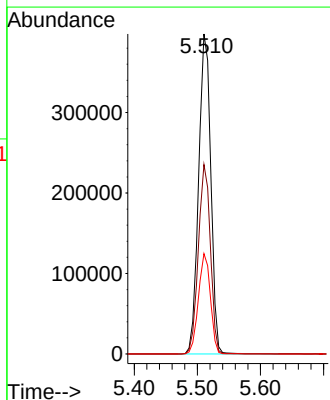
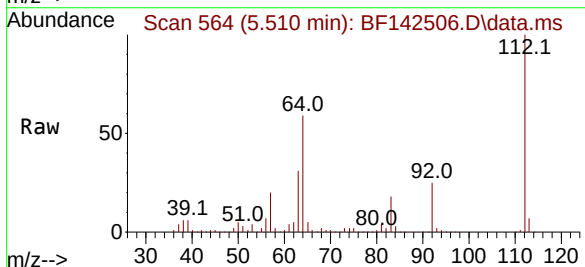
Instrument :
BNA_F
ClientSampleId :
TP-18

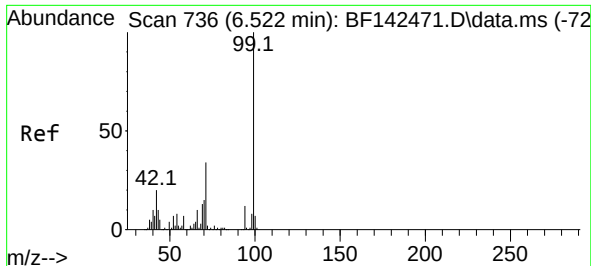
Tgt Ion:152 Resp: 114998
Ion Ratio Lower Upper
152 100
150 154.5 128.2 192.4
115 56.6 48.3 72.5



#5
2-Fluorophenol
Concen: 77.892 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

Tgt Ion:112 Resp: 531675
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 31.3 24.9 37.3





#7
Phenol-d6
Concen: 81.201 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

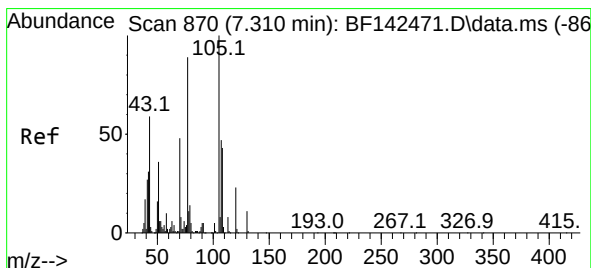
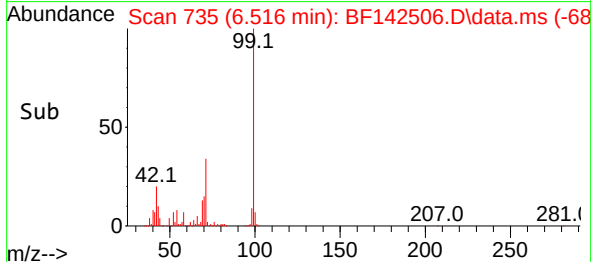
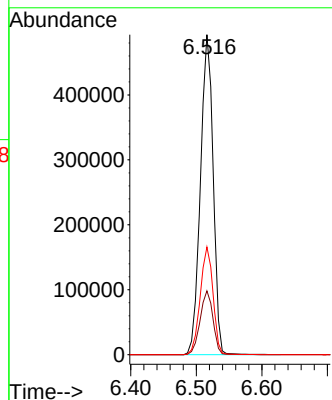
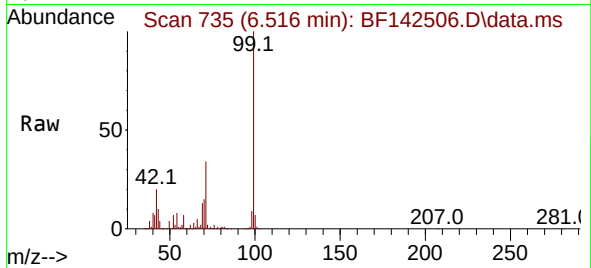
Instrument :

BNA_F

ClientSampleId :

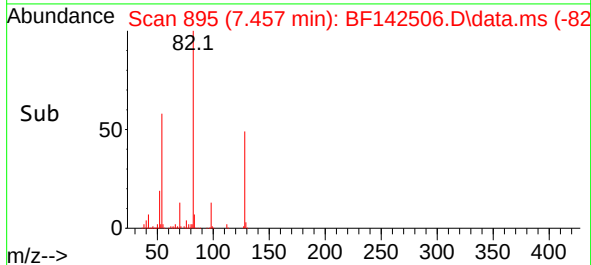
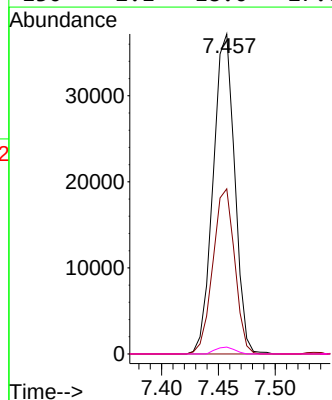
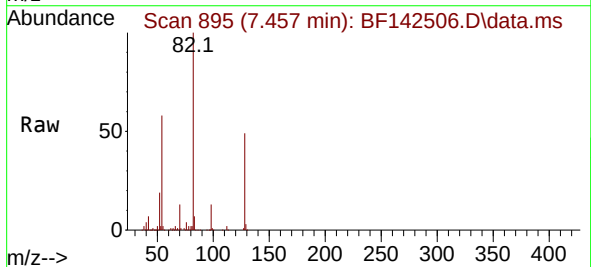
TP-18

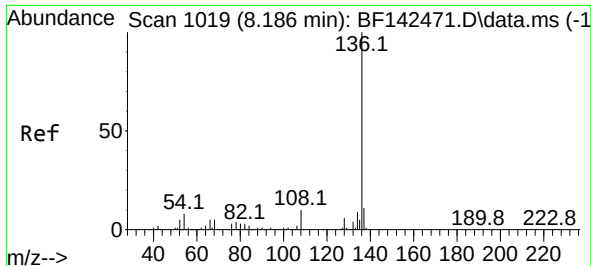
Tgt Ion: 99 Resp: 667202
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.2
71 33.7 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.646 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

Tgt Ion: 70 Resp: 49122
Ion Ratio Lower Upper
70 100
42 51.6 52.4 78.6#
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#

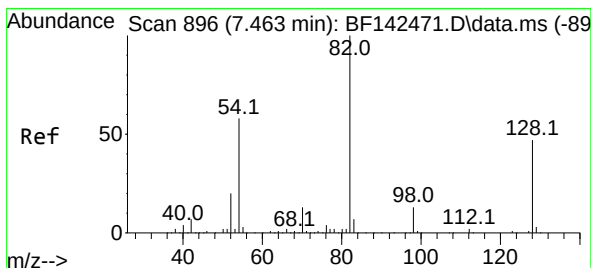
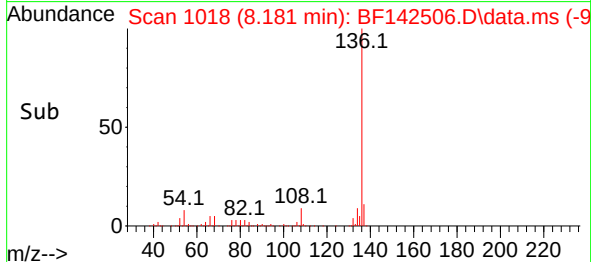
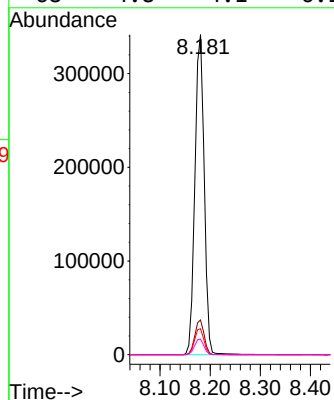
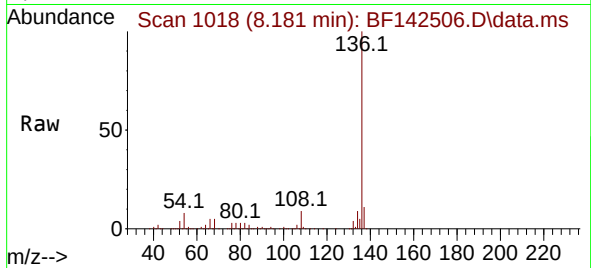




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

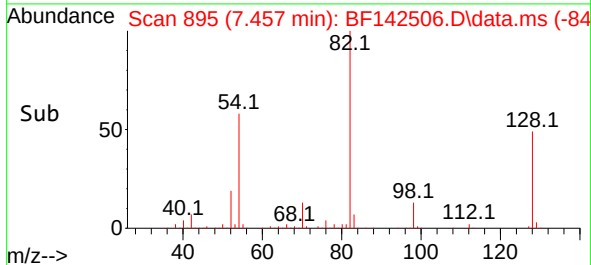
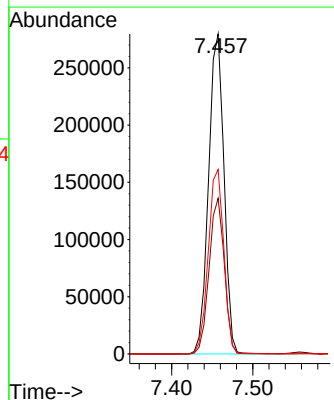
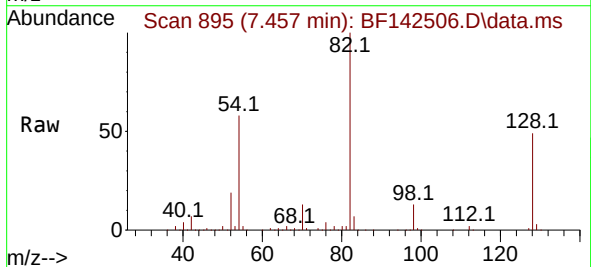
Instrument :
BNA_F
ClientSampleId :
TP-18

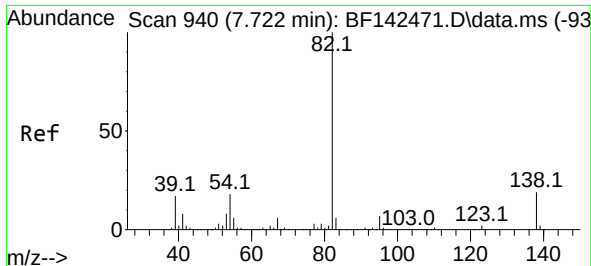
Tgt Ion:136 Resp: 438934
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 6.6 10.0
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 45.885 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

Tgt Ion: 82 Resp: 369353
Ion Ratio Lower Upper
82 100
128 48.7 37.4 56.2
54 57.7 46.6 70.0

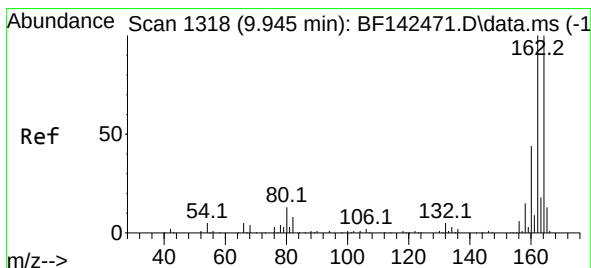
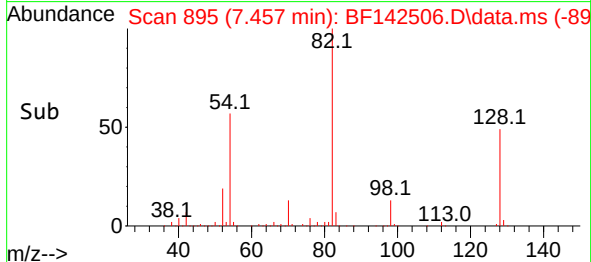
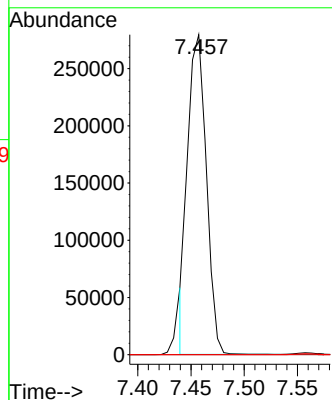
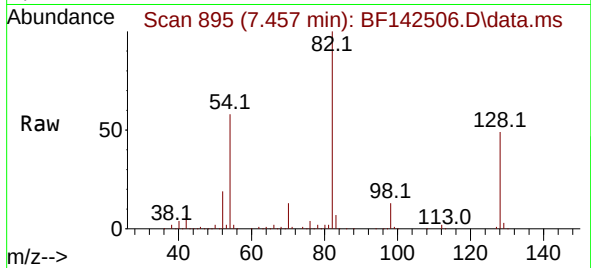




#25
Isophorone
Concen: 25.314 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

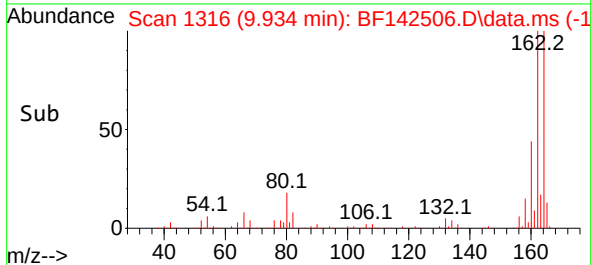
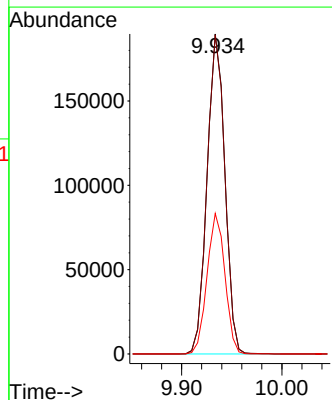
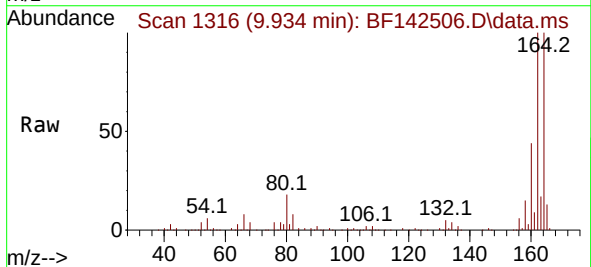
Instrument :
BNA_F
ClientSampleId :
TP-18

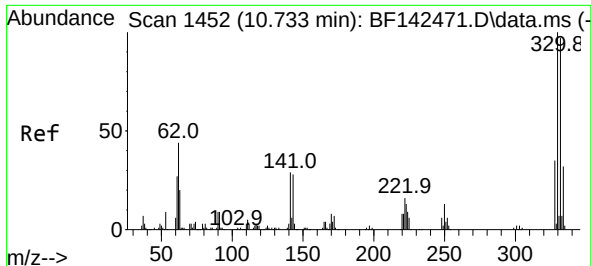
Tgt Ion: 82 Resp: 340687
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

Tgt Ion:164 Resp: 234734
Ion Ratio Lower Upper
164 100
162 99.7 80.2 120.4
160 43.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 83.702 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BF142506.D

Acq: 22 May 2025 13:11

Instrument :

BNA_F

ClientSampleId :

TP-18

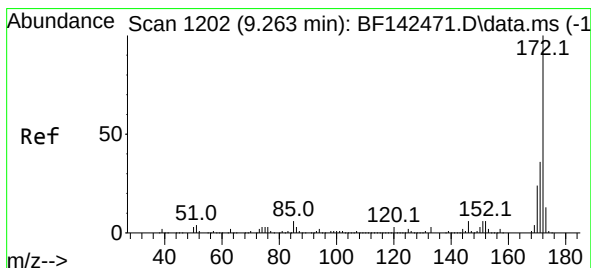
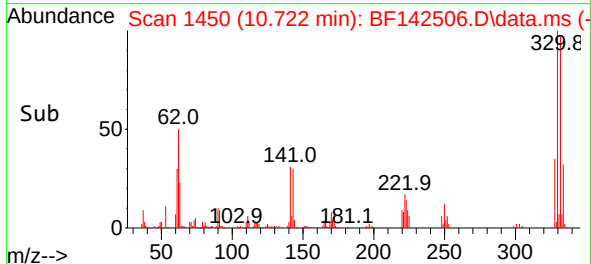
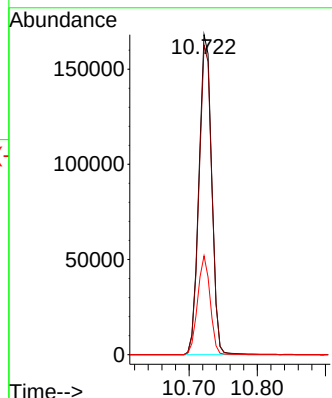
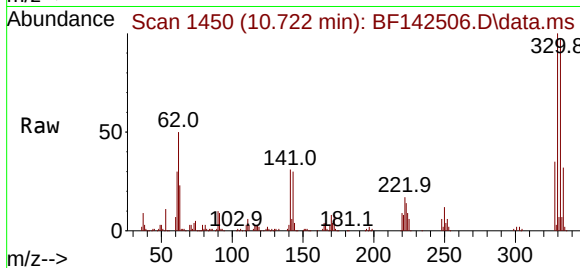
Tgt Ion:330 Resp: 218064

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 30.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 44.888 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142506.D

Acq: 22 May 2025 13:11

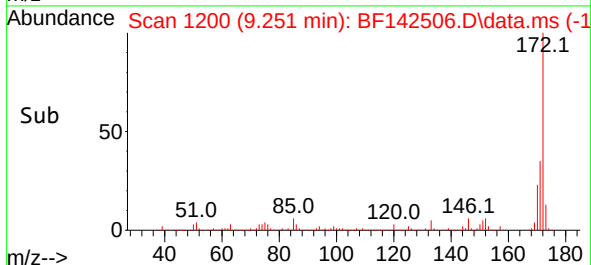
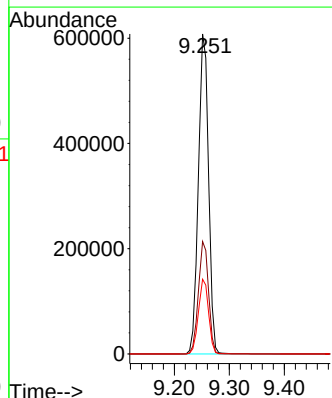
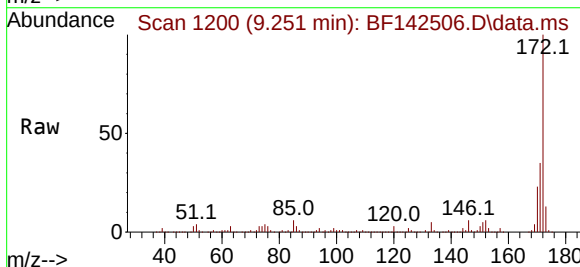
Tgt Ion:172 Resp: 785241

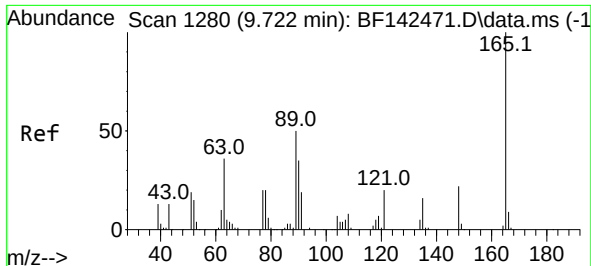
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.899 ng

RT: 9.934 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142506.D

Acq: 22 May 2025 13:11

Instrument :

BNA_F

ClientSampleId :

TP-18

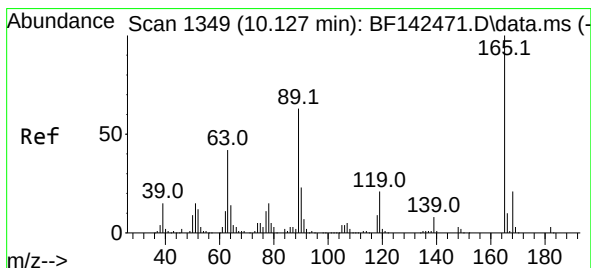
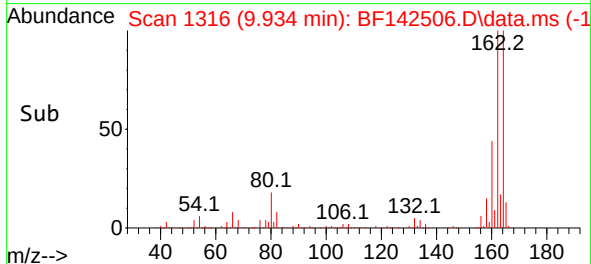
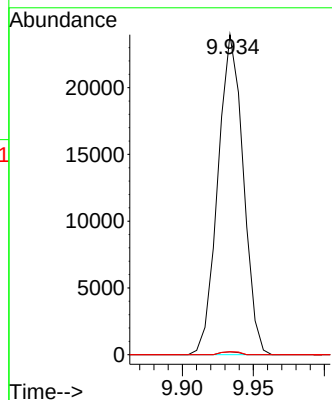
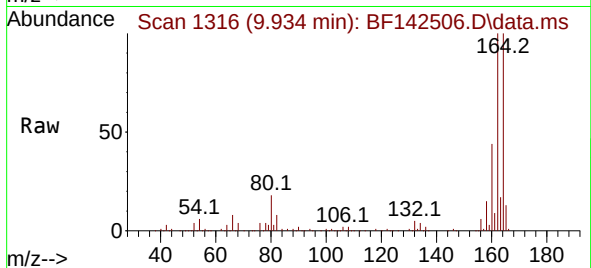
Tgt Ion:165 Resp: 29747

Ion Ratio Lower Upper

165 100

63 0.8 42.9 64.3#

89 1.0 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.814 ng

RT: 9.934 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142506.D

Acq: 22 May 2025 13:11

Tgt Ion:165 Resp: 29747

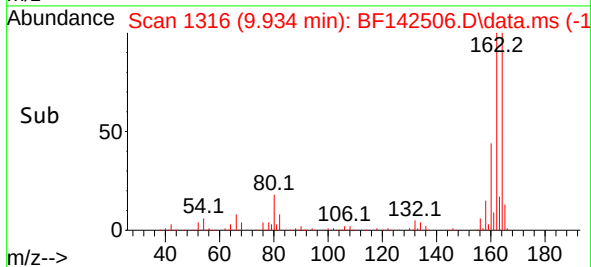
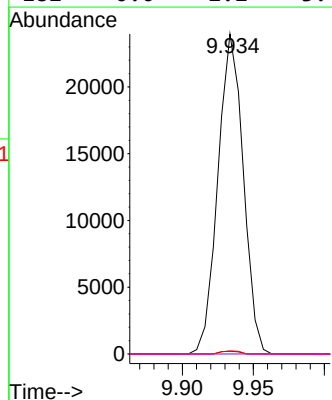
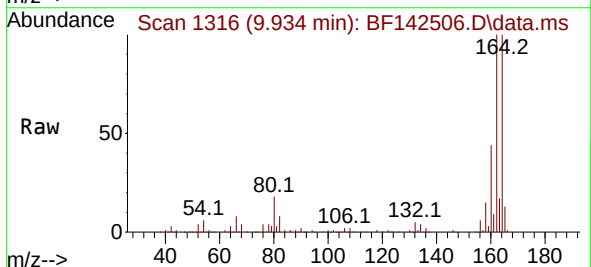
Ion Ratio Lower Upper

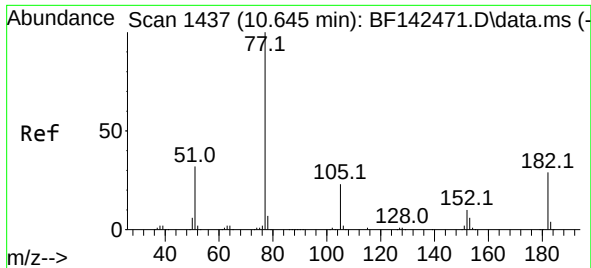
165 100

63 0.8 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#

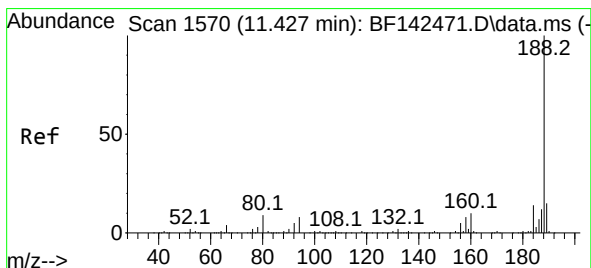
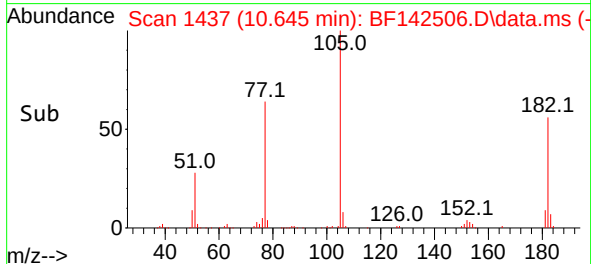
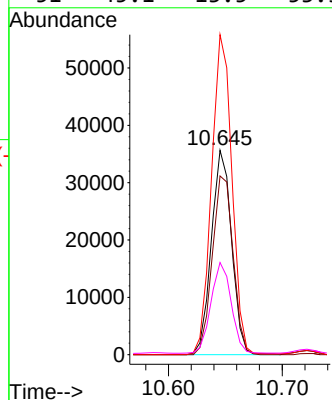
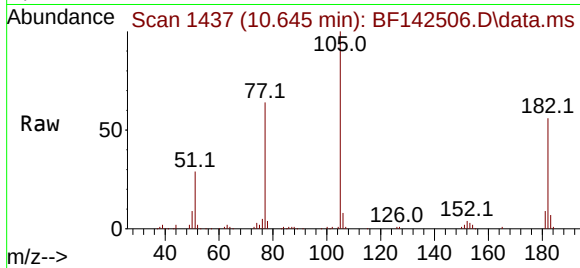




#63
Azobenzene
Concen: 3.248 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

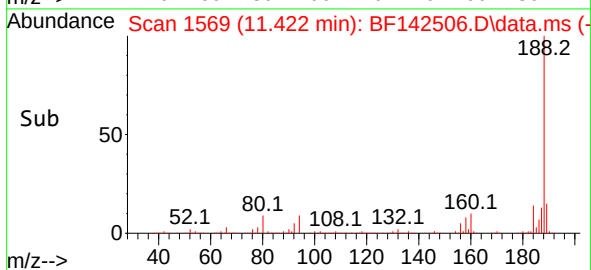
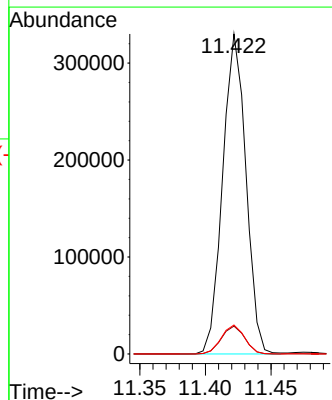
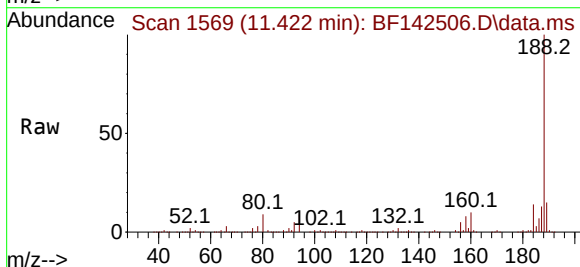
Instrument :
BNA_F
ClientSampleId :
TP-18

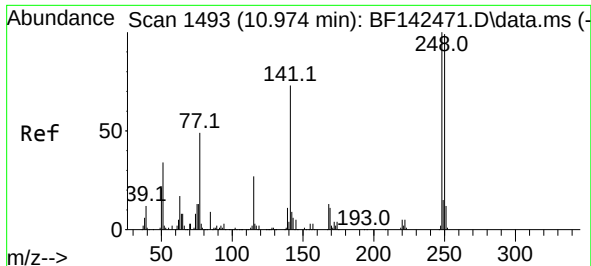
Tgt Ion: 77 Resp: 44132
Ion Ratio Lower Upper
77 100
182 87.4 9.0 49.0#
105 156.6 2.4 42.4#
51 45.1 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

Tgt Ion:188 Resp: 406523
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.0 7.4 11.0

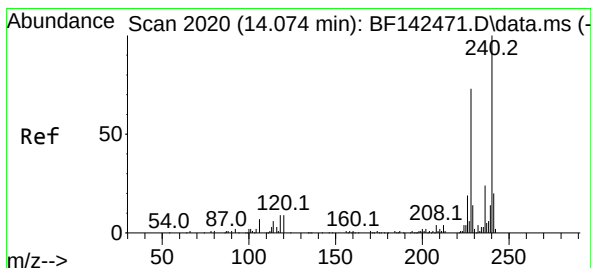
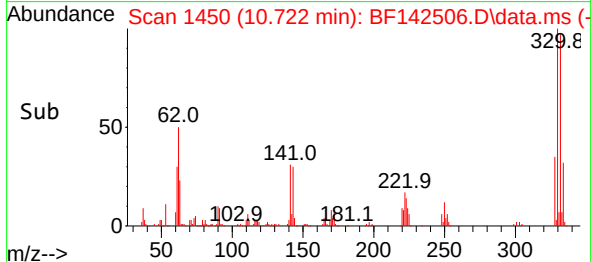
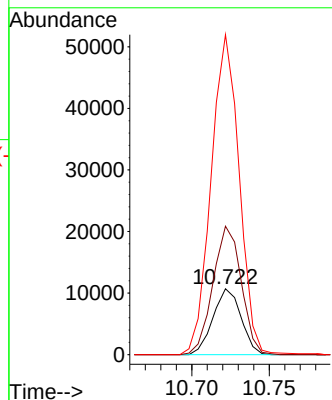
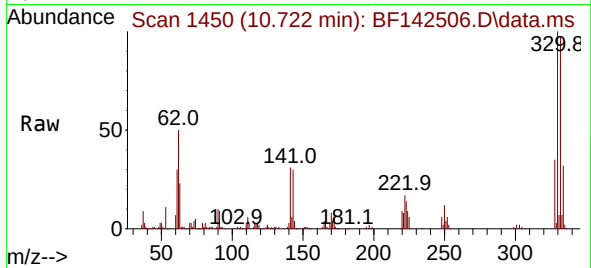




#67
4-Bromophenyl-phenylether
Concen: 2.799 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

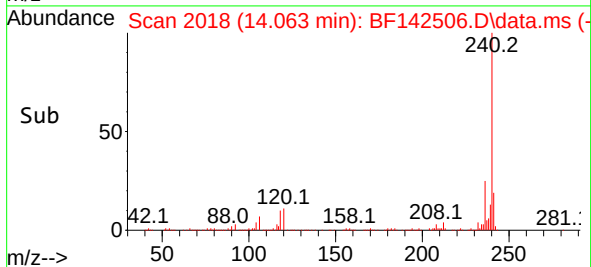
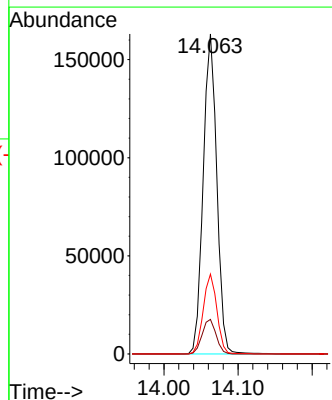
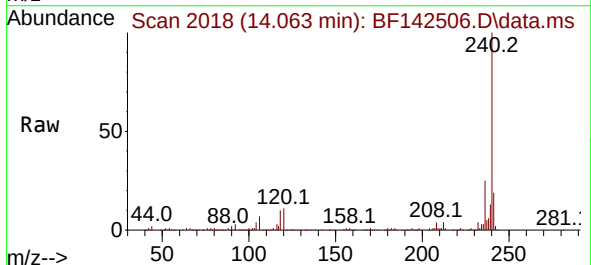
Instrument :
BNA_F
ClientSampleId :
TP-18

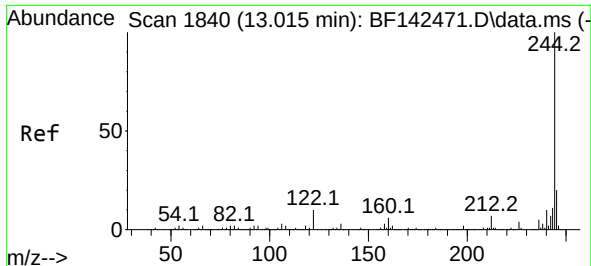
Tgt Ion:248 Resp: 13455
Ion Ratio Lower Upper
248 100
250 195.0 79.0 118.4#
141 485.8 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142506.D
Acq: 22 May 2025 13:11

Tgt Ion:240 Resp: 207782
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 24.9 19.6 29.4

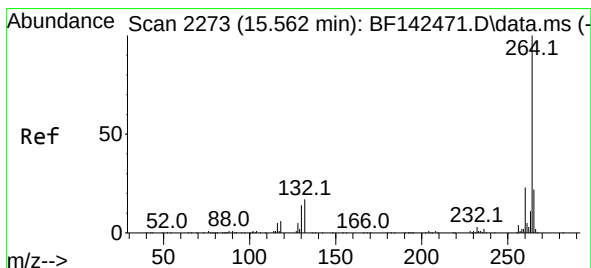
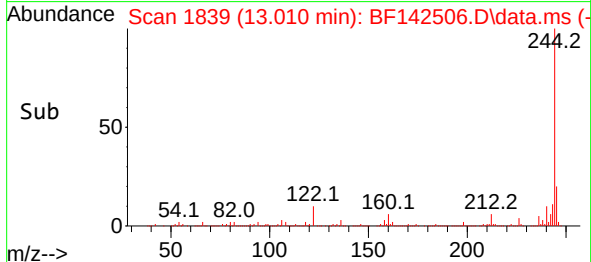
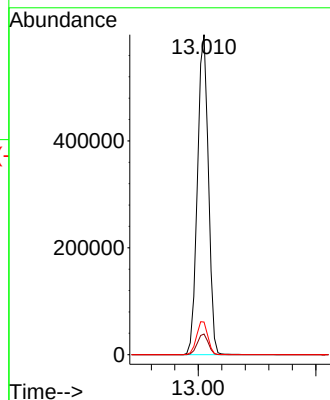
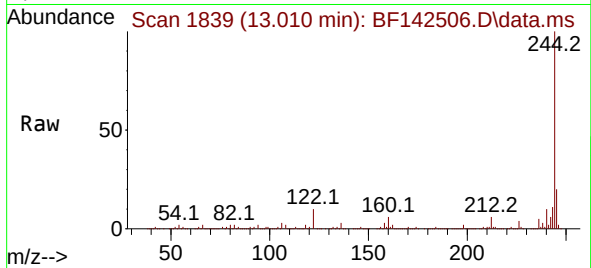




#79
 Terphenyl-d14
 Concen: 50.829 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142506.D
 Acq: 22 May 2025 13:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-18

Tgt Ion:244 Resp: 772849
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.2 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142506.D
 Acq: 22 May 2025 13:11

Tgt Ion:264 Resp: 225144
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.0 17.7 26.5

