

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142399.D
 Acq On : 15 May 2025 18:40
 Operator : RC/JU
 Sample : Q1982-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: May 16 01:07:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

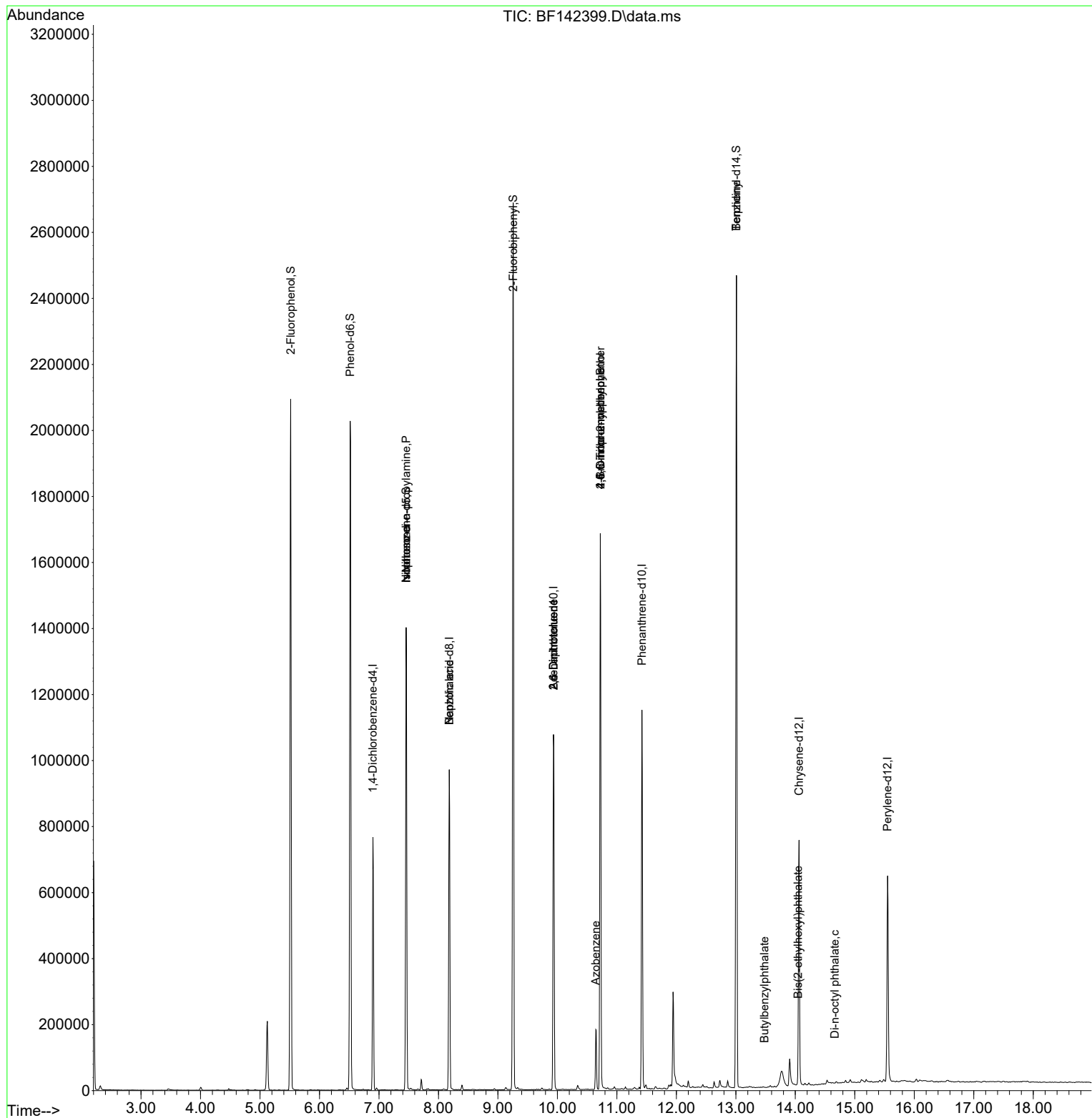
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	163201	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	621833	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	334642	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	592254	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	358051	20.000	ng	0.00
86) Perylene-d12	15.551	264	361581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	810547	84.783	ng	0.00
7) Phenol-d6	6.516	99	989640	84.165	ng	0.00
23) Nitrobenzene-d5	7.457	82	596626	58.515	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	305587	94.582	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1216752	51.845	ng	0.00
79) Terphenyl-d14	13.010	244	1196724	49.470	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	79012	10.863	ng	# 77
25) Isophorone	7.457	82	590289	30.572	ng	# 62
32) Benzoic acid	8.181	122	59	6.026	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	42738	10.625	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	42738	8.284	ng	# 24
63) Azobenzene	10.645	77	44941	2.192	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	584	7.365	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	18939	2.822	ng	# 1
77) Benzidine	13.010	184	14409	2.214	ng	# 96
80) Butylbenzylphthalate	13.480	149	241	3.683	ng	# 69
84) Bis(2-ethylhexyl)phtha...	14.045	149	3819	4.524	ng	# 93
85) Di-n-octyl phthalate	14.663	149	828	7.871	ng	# 90

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

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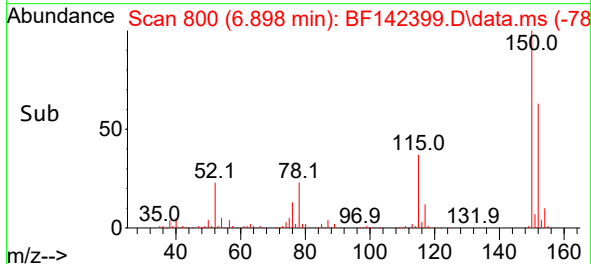
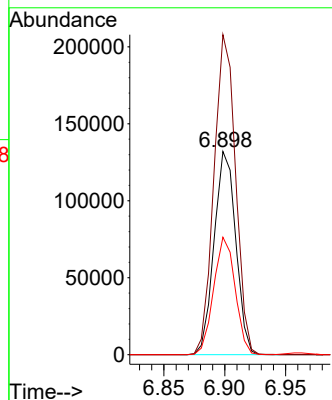
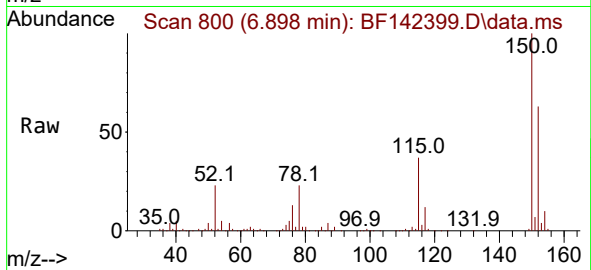




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

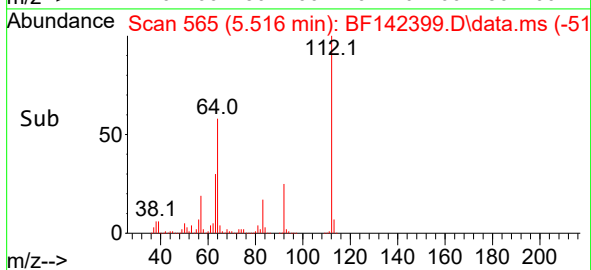
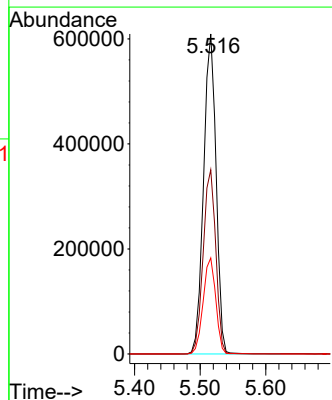
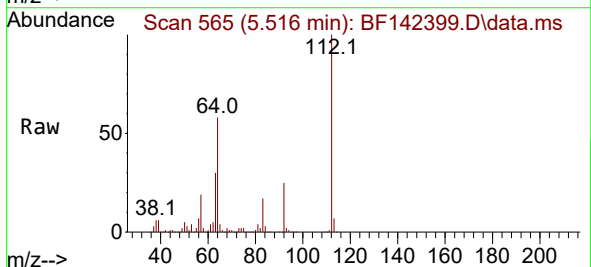
Instrument :
BNA_F
ClientSampleId :
TP-6

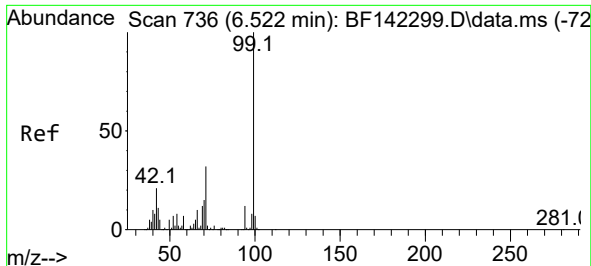
Tgt Ion:152 Resp: 163201
Ion Ratio Lower Upper
152 100
150 157.5 126.6 190.0
115 57.8 47.3 70.9



#5
2-Fluorophenol
Concen: 84.783 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:112 Resp: 810547
Ion Ratio Lower Upper
112 100
64 57.6 48.9 73.3
63 30.0 25.6 38.4

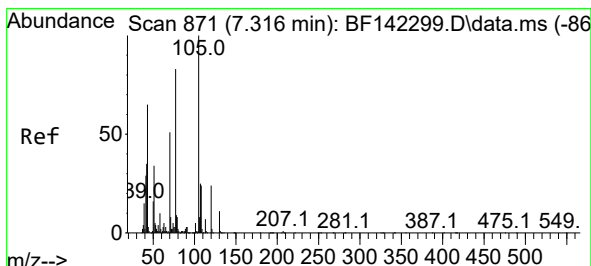
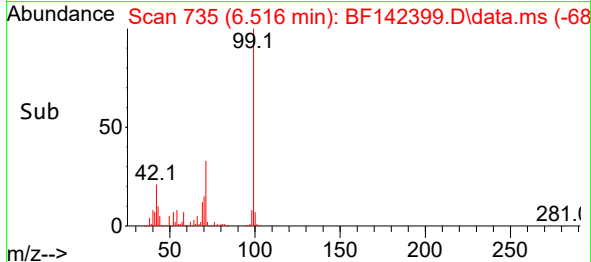
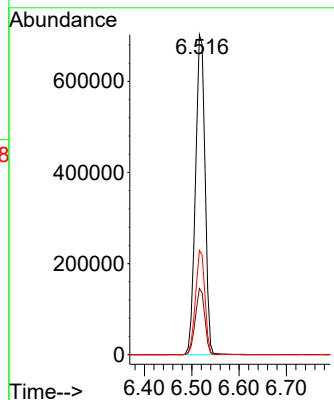
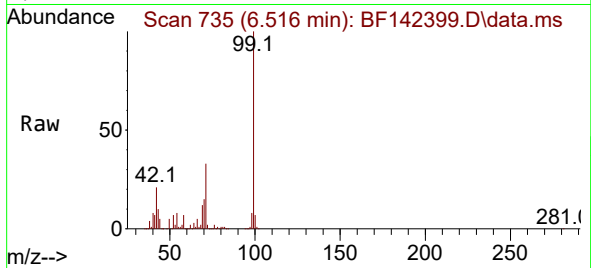




#7
Phenol-d6
Concen: 84.165 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

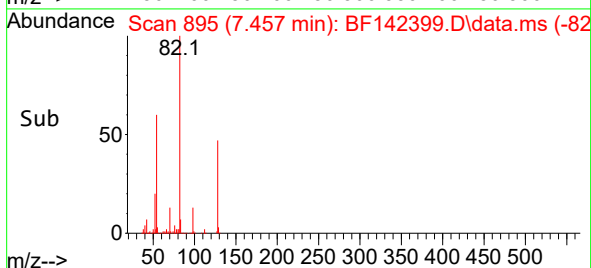
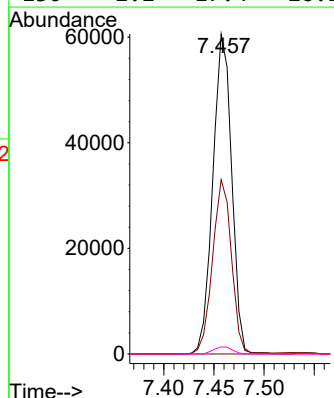
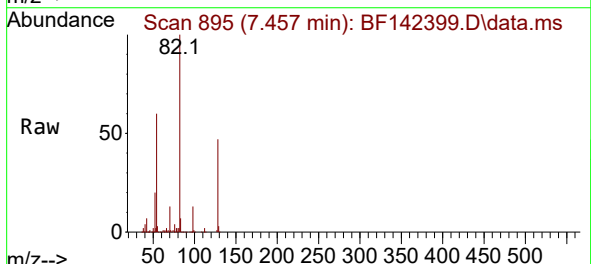
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ClientSampleId :
TP-6

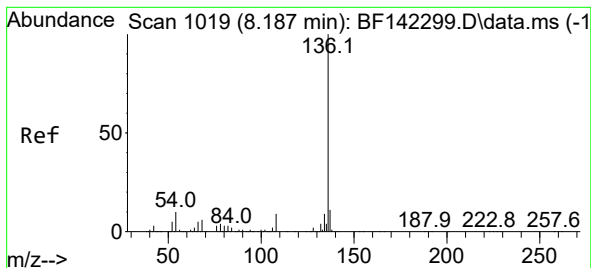
Tgt Ion: 99 Resp: 989640
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.4
71 32.6 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.863 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion: 70 Resp: 79012
Ion Ratio Lower Upper
70 100
42 54.5 54.8 82.2#
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142399.D

Acq: 15 May 2025 18:40

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:136 Resp: 621833

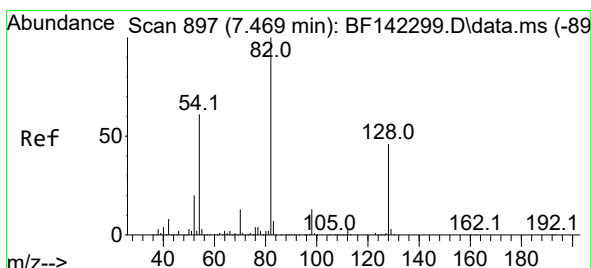
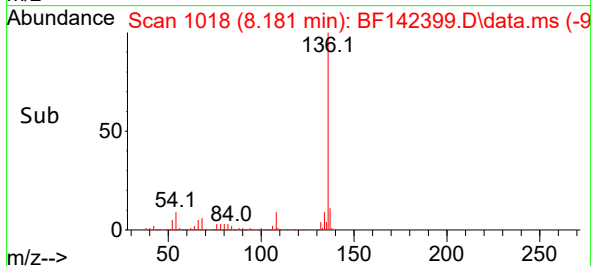
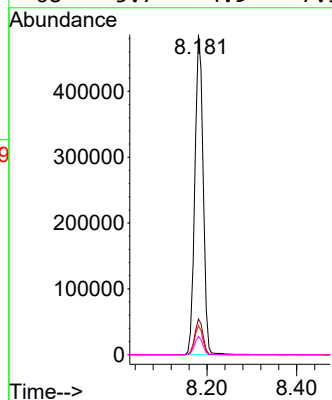
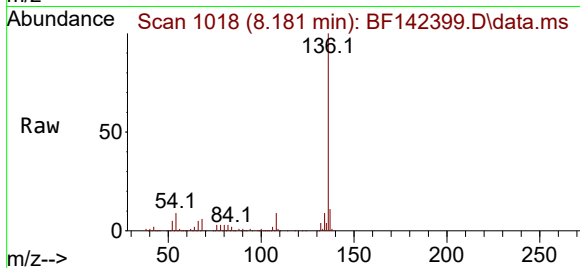
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.0 7.7 11.5

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 58.515 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142399.D

Acq: 15 May 2025 18:40

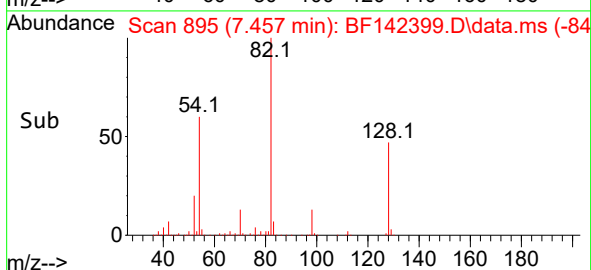
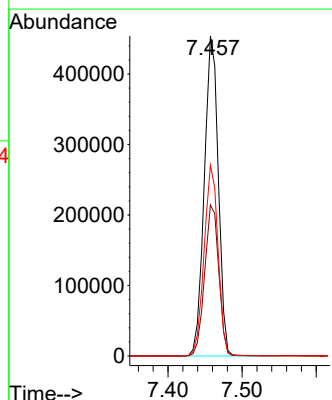
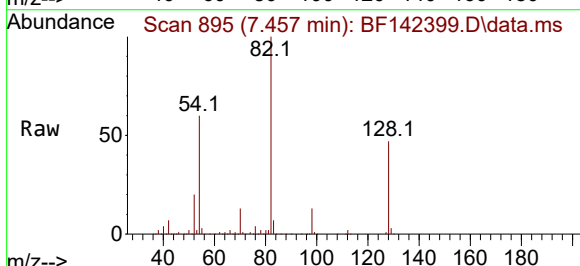
Tgt Ion: 82 Resp: 596626

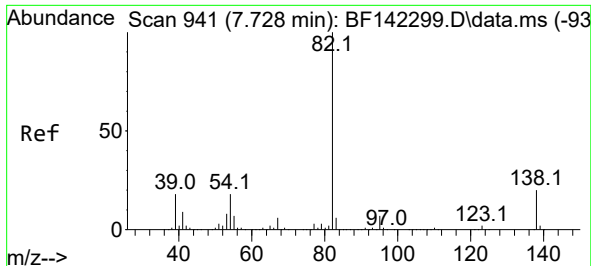
Ion Ratio Lower Upper

82 100

128 47.2 37.0 55.6

54 59.6 48.6 73.0

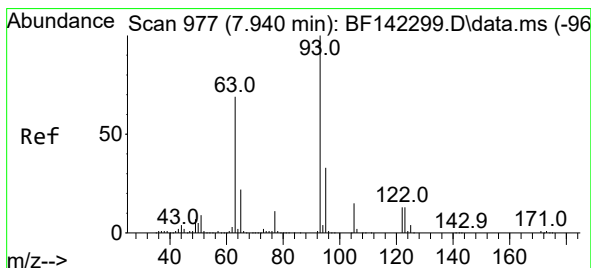
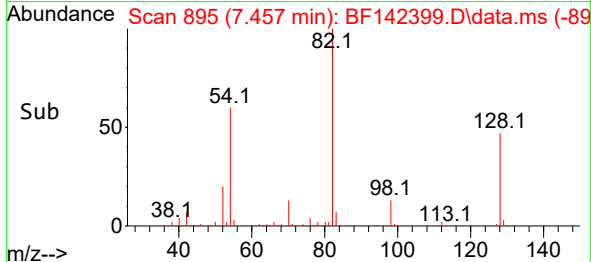
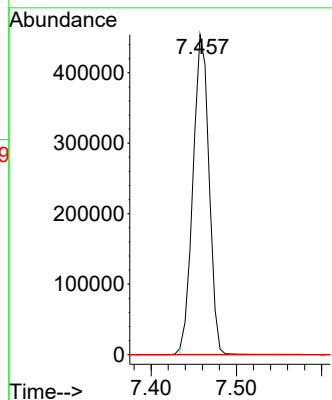
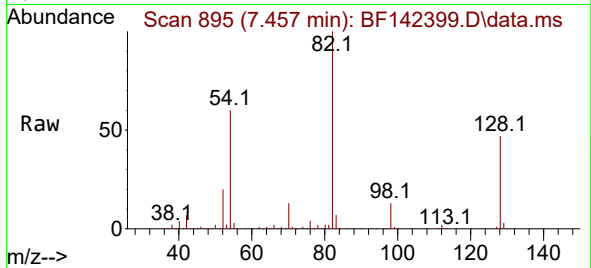




#25
Isophorone
Concen: 30.572 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

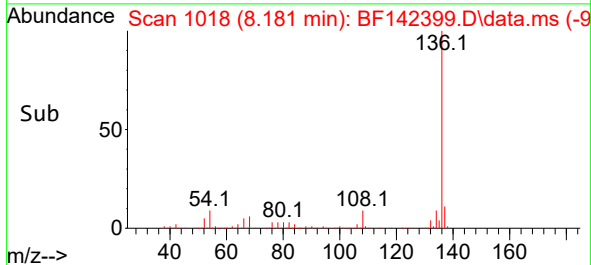
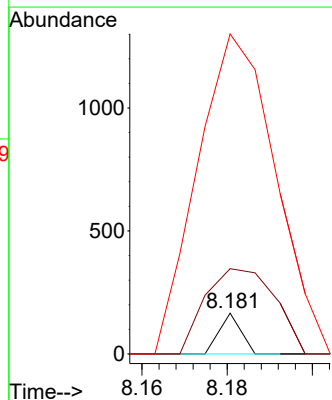
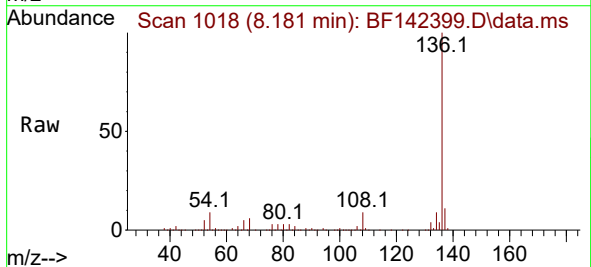
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TP-6

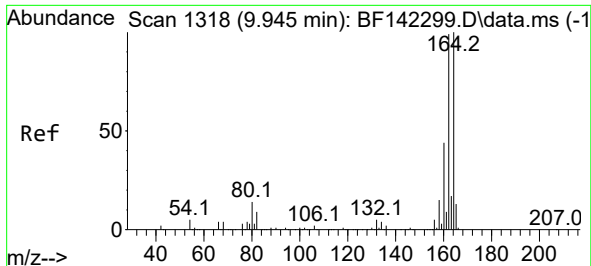
Tgt Ion: 82 Resp: 590289
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.026 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.241 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 209.0 97.9 137.9#
77 783.7 67.7 107.7#

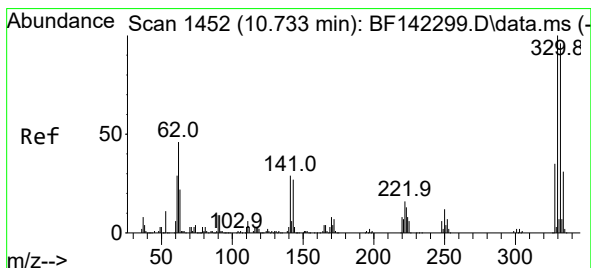
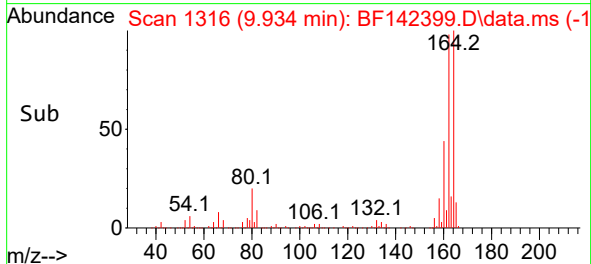
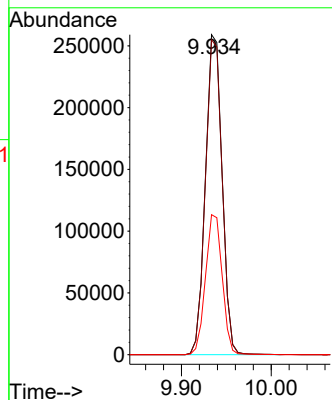
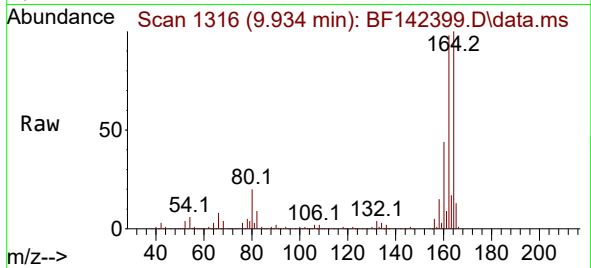




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

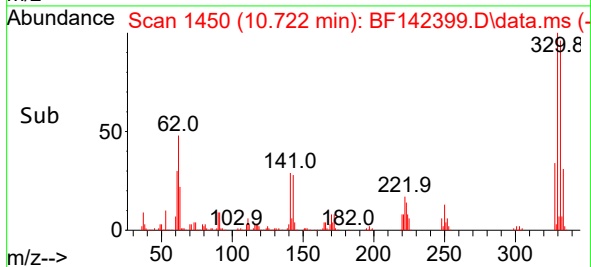
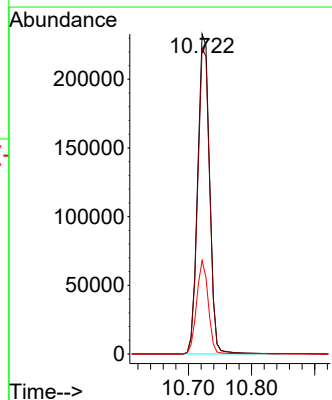
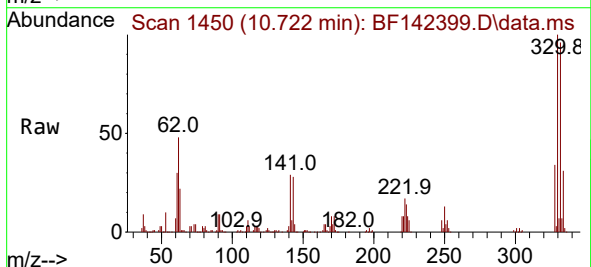
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ClientSampleId :
TP-6

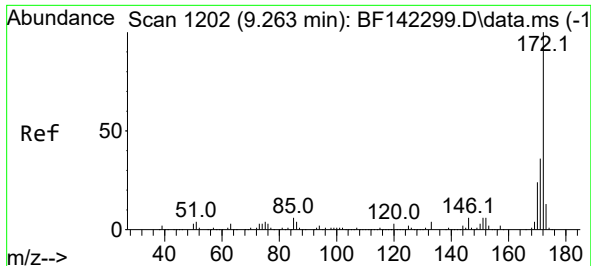
Tgt Ion:164 Resp: 334642
Ion Ratio Lower Upper
164 100
162 98.4 79.2 118.8
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 94.582 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:330 Resp: 305587
Ion Ratio Lower Upper
330 100
332 95.8 76.8 115.2
141 28.4 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 51.845 ng

RT: 9.257 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142399.D

Acq: 15 May 2025 18:40

Instrument :

BNA_F

ClientSampleId :

TP-6

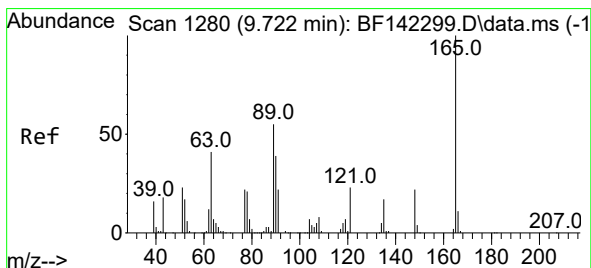
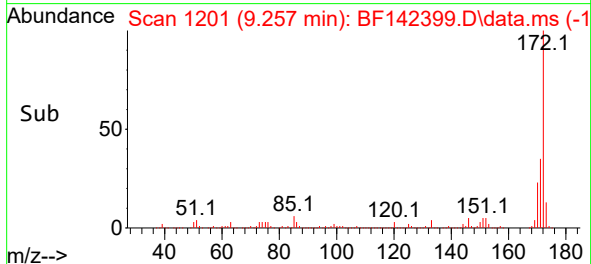
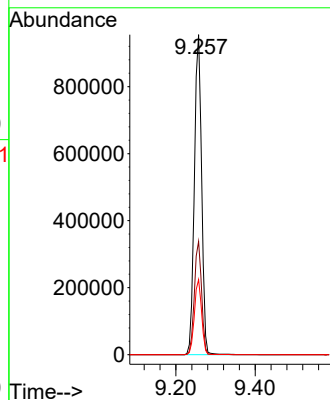
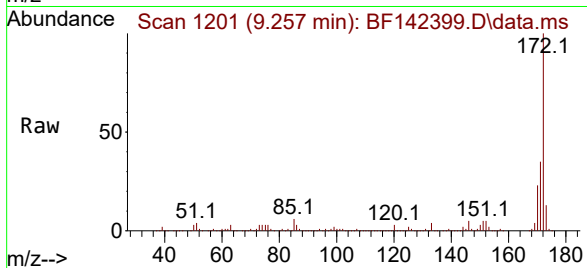
Tgt Ion:172 Resp: 1216752

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.5 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.625 ng

RT: 9.934 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142399.D

Acq: 15 May 2025 18:40

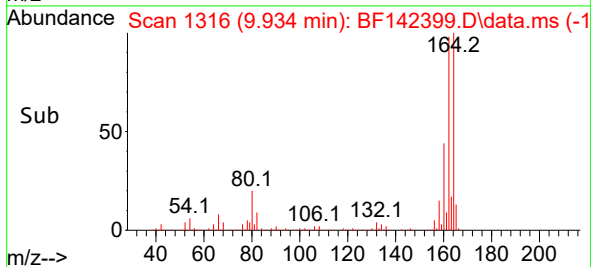
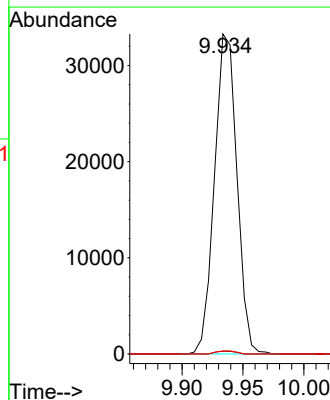
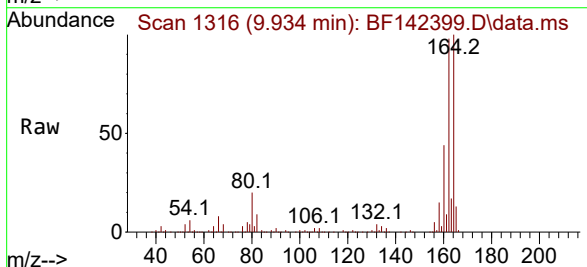
Tgt Ion:165 Resp: 42738

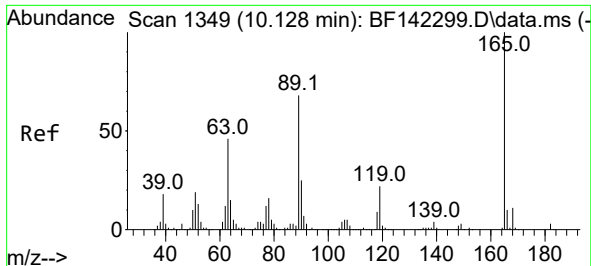
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.0 44.6 66.8#

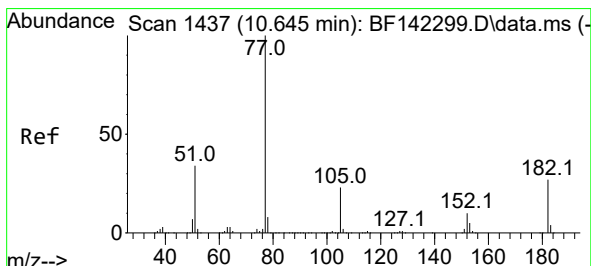
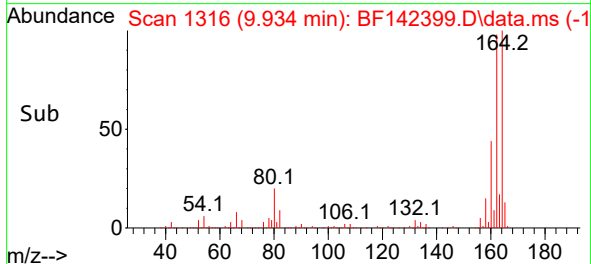
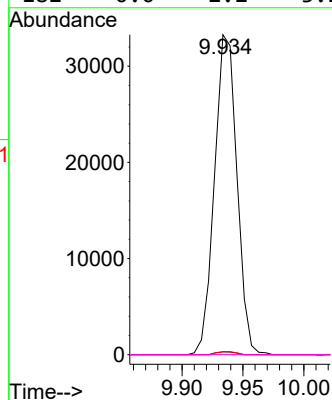
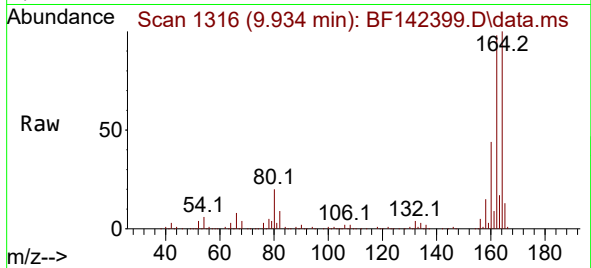




#57
2,4-Dinitrotoluene
Concen: 8.284 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

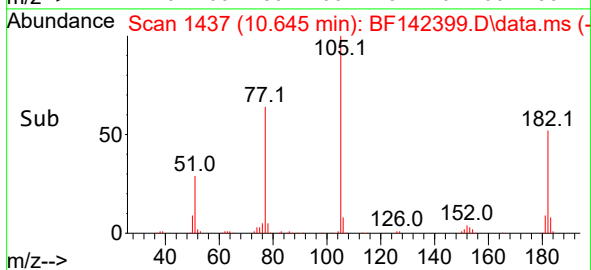
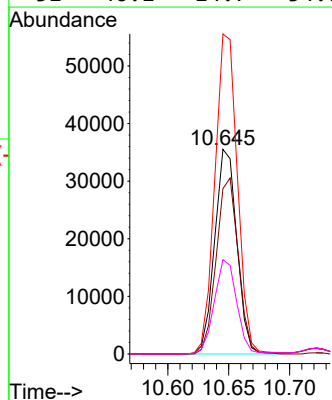
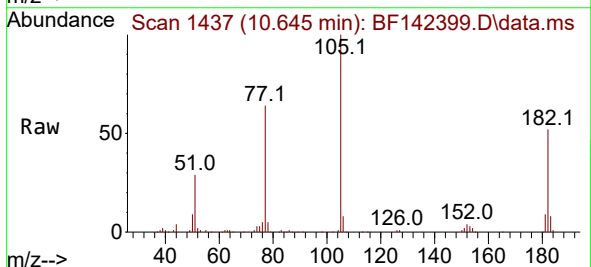
Instrument :
BNA_F
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TP-6

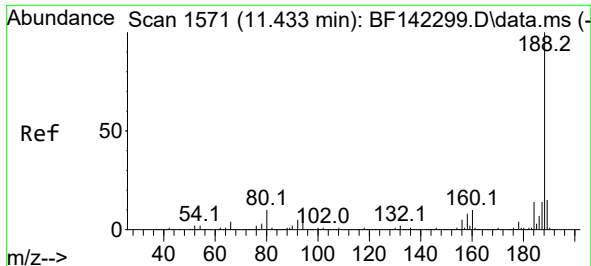
Tgt Ion:165 Resp: 42738
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.192 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion: 77 Resp: 44941
Ion Ratio Lower Upper
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105 156.4 2.7 42.7#
51 46.1 14.7 54.7

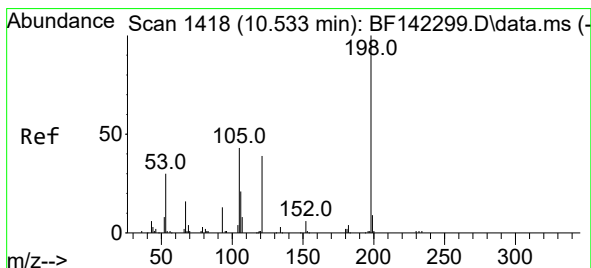
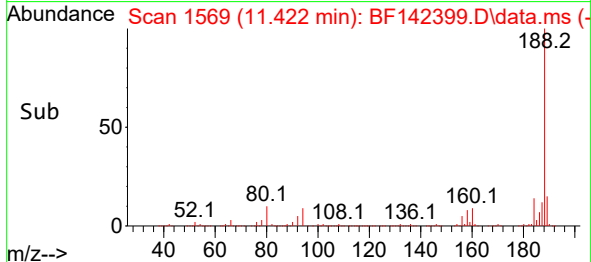
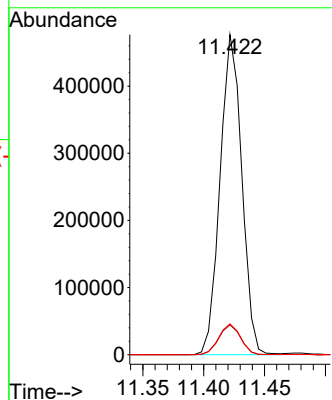
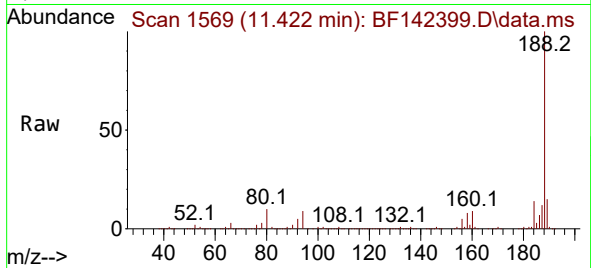




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

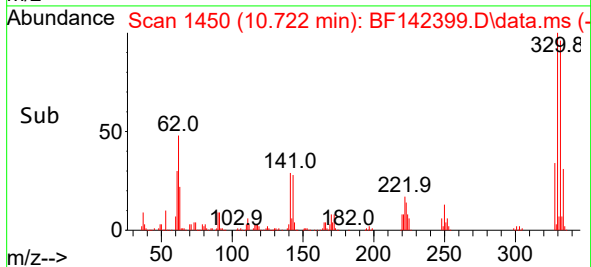
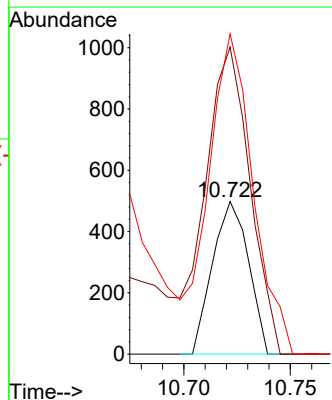
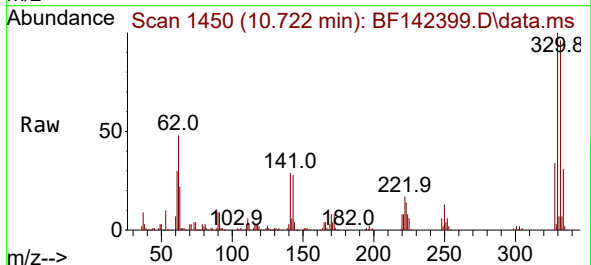
Instrument :
BNA_F
ClientSampleId :
TP-6

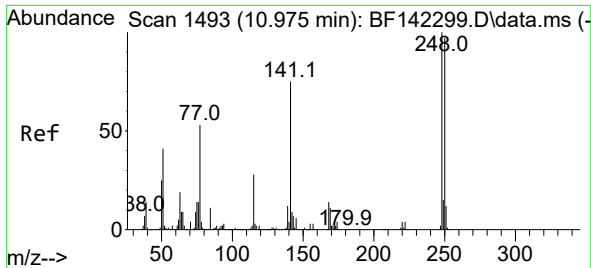
Tgt Ion:188 Resp: 592254
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.6 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.365 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:198 Resp: 584
Ion Ratio Lower Upper
198 100
51 201.2 32.9 72.9#
105 209.8 23.7 63.7#

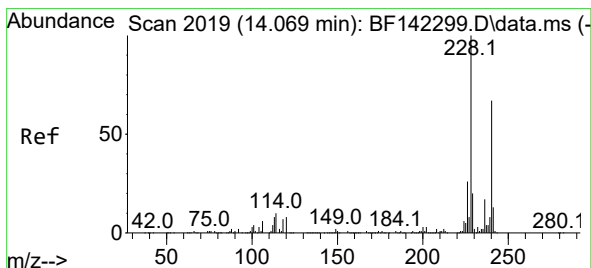
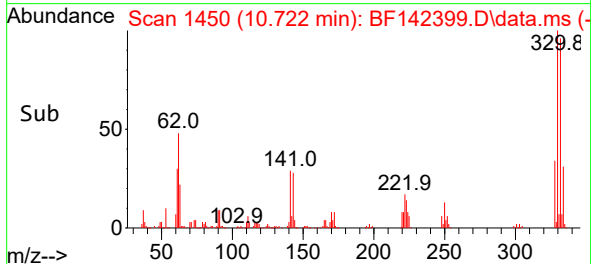
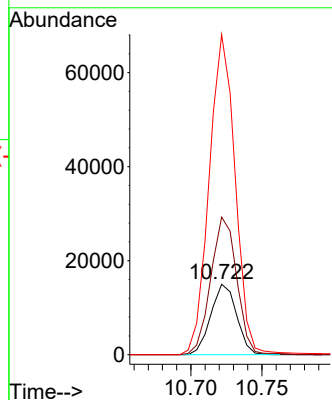
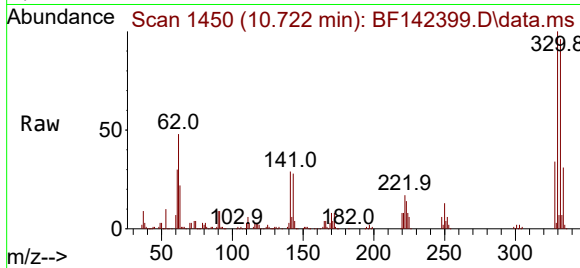




#67
4-Bromophenyl-phenylether
Concen: 2.822 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

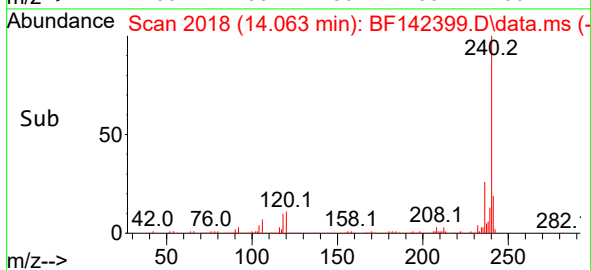
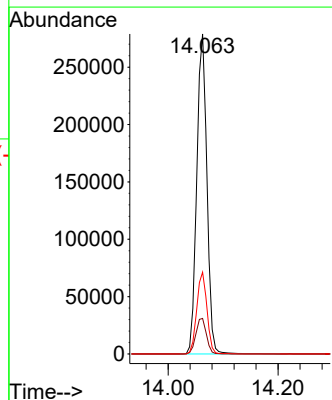
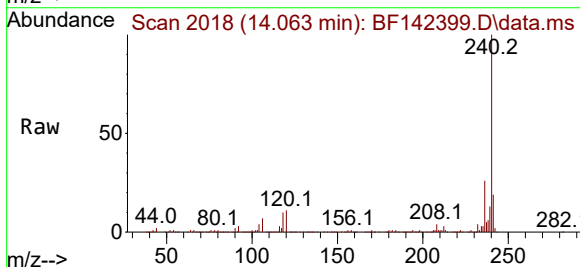
Instrument :
BNA_F
ClientSampleId :
TP-6

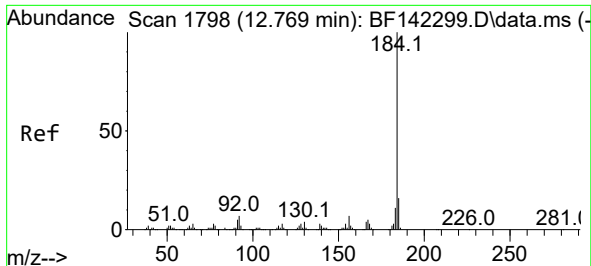
Tgt Ion:248 Resp: 18939
Ion Ratio Lower Upper
248 100
250 195.4 77.9 116.9#
141 454.4 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:240 Resp: 358051
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.6 20.0 30.0

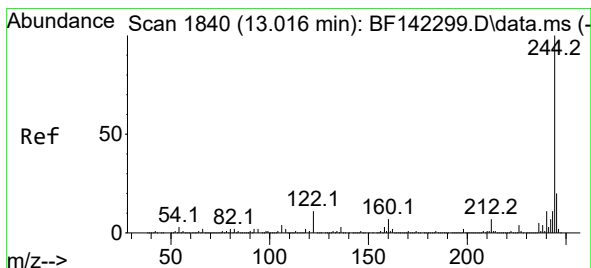
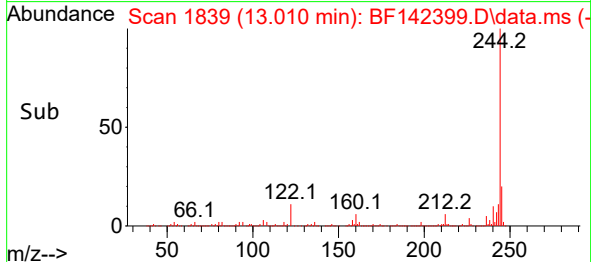
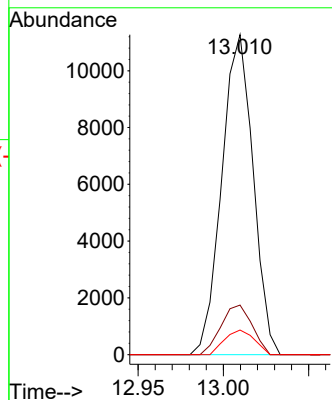
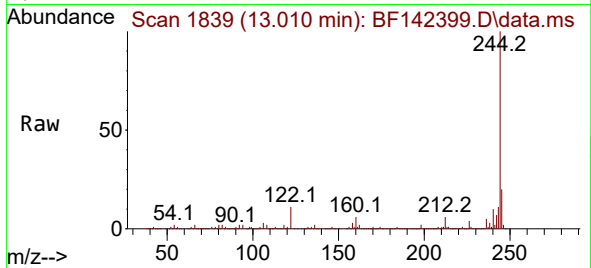




#77
Benzidine
Concen: 2.214 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

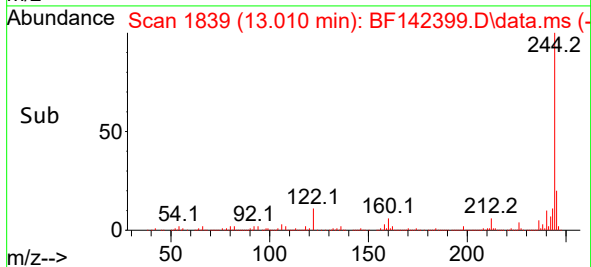
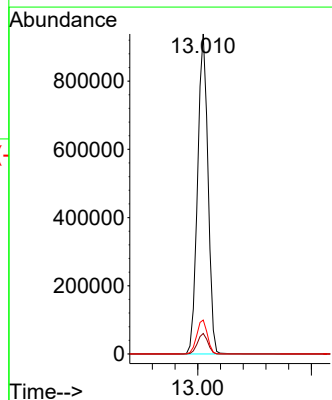
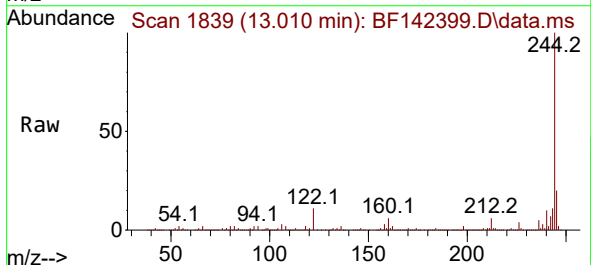
Instrument :
BNA_F
ClientSampleId :
TP-6

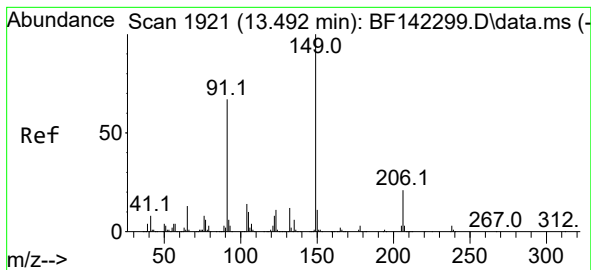
Tgt Ion:184 Resp: 14409
Ion Ratio Lower Upper
184 100
185 15.5 12.6 18.8
183 7.7 8.6 12.8#



#79
Terphenyl-d14
Concen: 49.470 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:244 Resp: 1196724
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.6 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.683 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142399.D

Acq: 15 May 2025 18:40

Instrument :

BNA_F

ClientSampleId :

TP-6

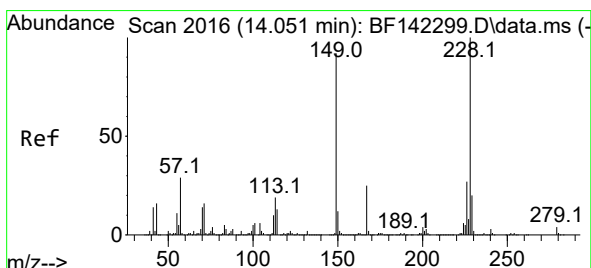
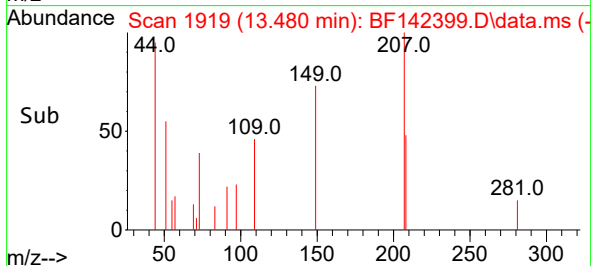
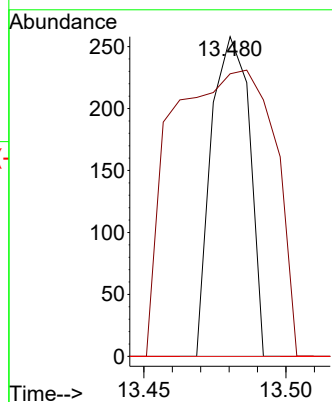
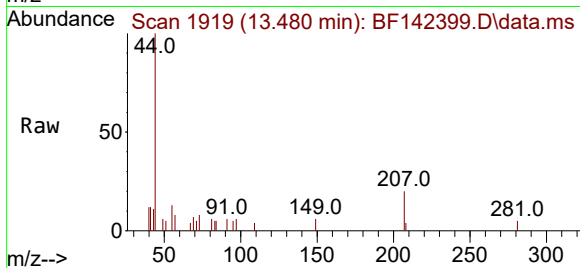
Tgt Ion:149 Resp: 241

Ion Ratio Lower Upper

149 100

91 88.4 53.8 80.6#

206 0.0 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.524 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142399.D

Acq: 15 May 2025 18:40

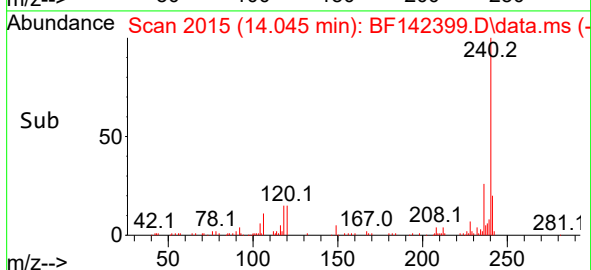
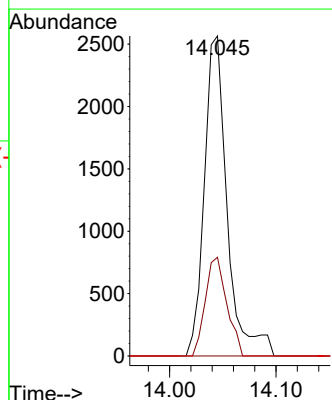
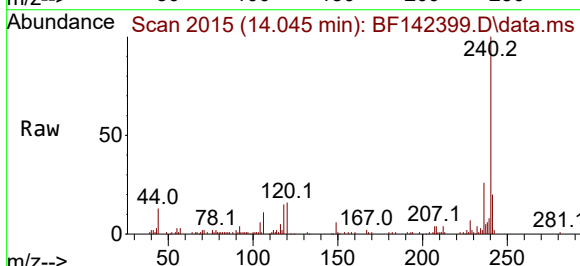
Tgt Ion:149 Resp: 3819

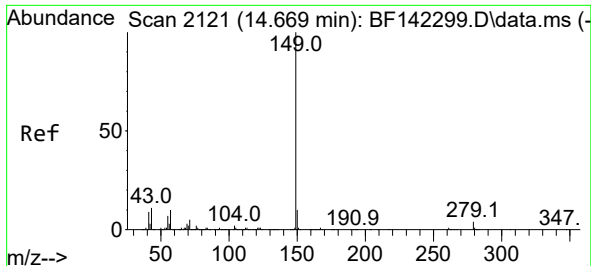
Ion Ratio Lower Upper

149 100

167 30.9 22.0 33.0

279 0.0 3.0 4.6#

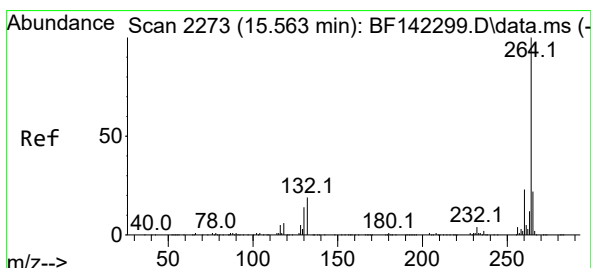
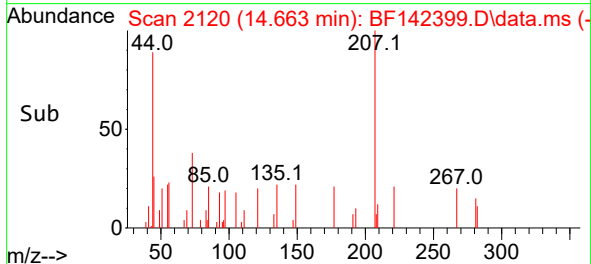
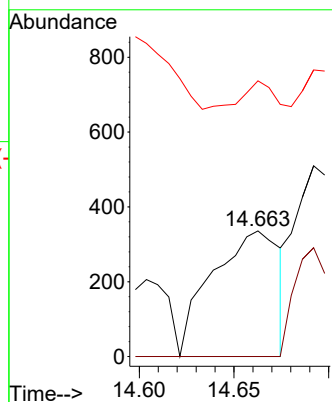
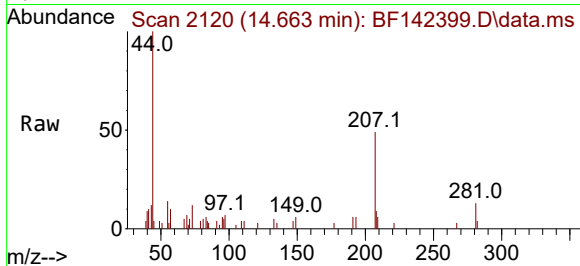




#85
Di-n-octyl phthalate
Concen: 7.871 ng
RT: 14.663 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:149 Resp: 828
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 7.2 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142399.D
Acq: 15 May 2025 18:40

Tgt Ion:264 Resp: 361581
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.4 17.5 26.3

