

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
 Data File : BF142280.D
 Acq On : 02 May 2025 13:53
 Operator : RC/JU
 Sample : Q1901-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-167-SB02

Quant Time: May 02 14:22:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

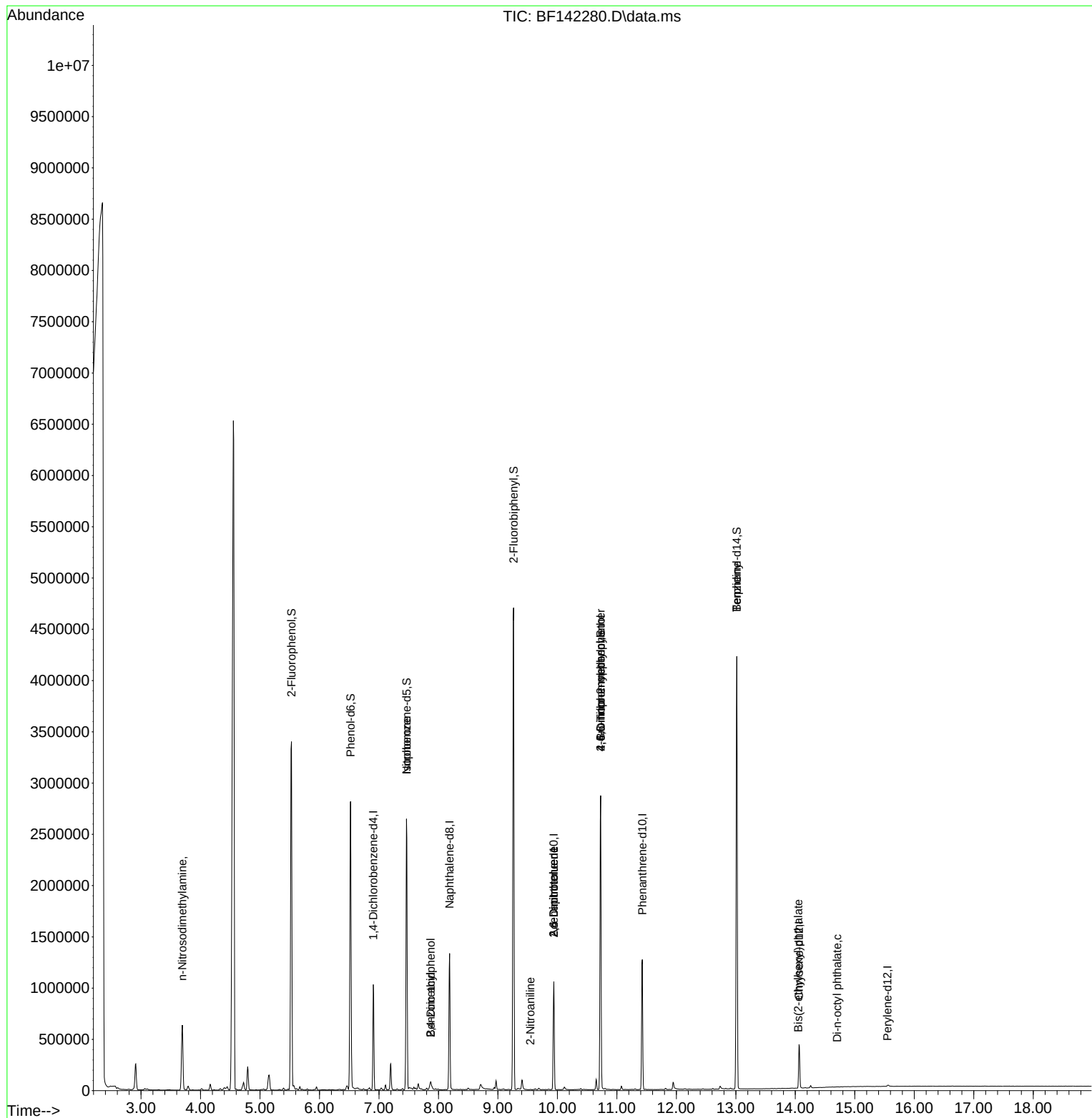
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	215163	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	812217	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	266125	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	611583	20.000	ng	0.00
76) Chrysene-d12	14.063	240	154727	20.000	ng	-0.01
86) Perylene-d12	15.551	264	3229	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1362221	101.112	ng	0.01
7) Phenol-d6	6.522	99	1145189	70.391	ng	0.00
23) Nitrobenzene-d5	7.463	82	1114602	90.156	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	514497	212.068	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2159177	114.396	ng	0.00
79) Terphenyl-d14	13.016	244	1928369	181.263	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.693	42	17647	2.181	ng	# 1
25) Isophorone	7.463	82	1112906	42.892	ng	# 64
27) 2,4-Dimethylphenol	7.869	122	28398	2.171	ng	# 6
32) Benzoic acid	7.869	122	28398	14.343	ng	100
48) 2-Nitroaniline	9.545	65	195	4.812	ng	# 3
51) 2,6-Dinitrotoluene	9.939	165	34698	13.759	ng	# 24
57) 2,4-Dinitrotoluene	9.939	165	34698	12.885	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.728	198	1178	11.067	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	30547	4.485	ng	# 1
77) Benzidine	13.016	184	25230	3.838	ng	95
84) Bis(2-ethylhexyl)phtha...	14.051	149	627	3.562	ng	# 53
85) Di-n-octyl phthalate	14.704	149	344	6.098	ng	# 1

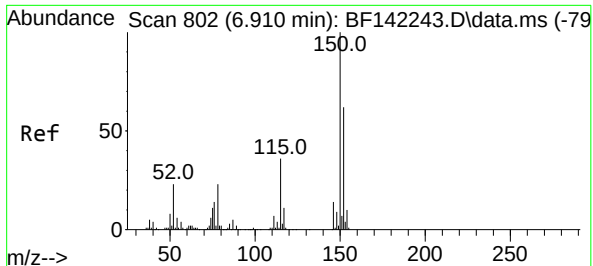
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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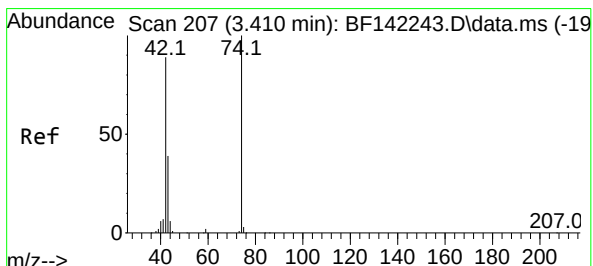
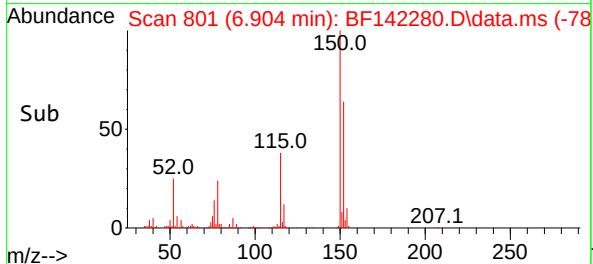
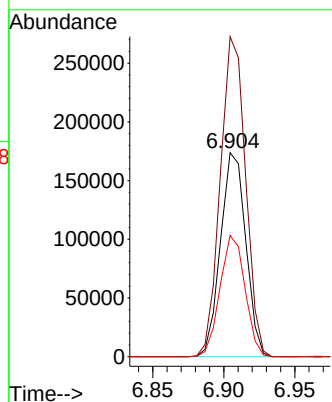
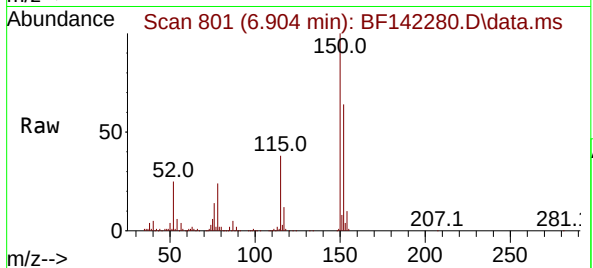




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 802
 Delta R.T. -0.006 min
 Lab File: BF142280.D
 Acq: 02 May 2025 13:53

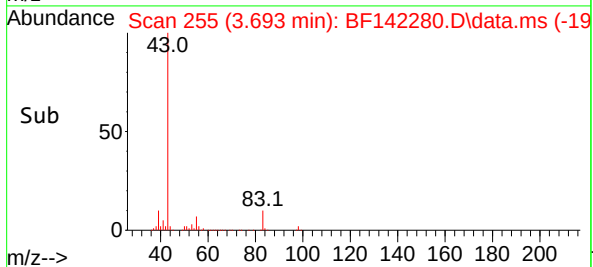
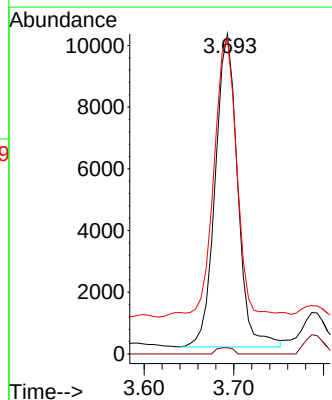
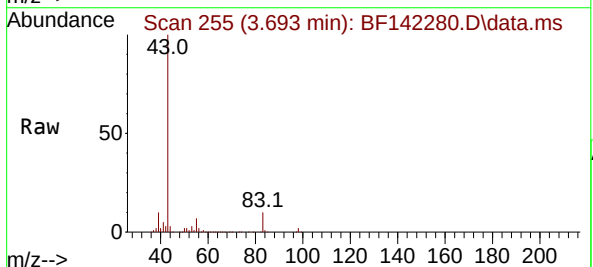
Instrument :
 BNA_F
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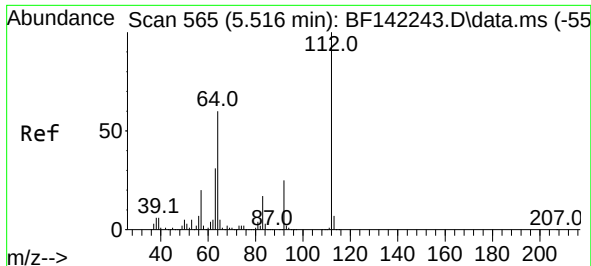
Tgt Ion:152 Resp: 215163
 Ion Ratio Lower Upper
 152 100
 150 156.8 130.2 195.2
 115 59.4 47.0 70.4



#4
 n-Nitrosodimethylamine
 Concen: 2.181 ng
 RT: 3.693 min Scan# 255
 Delta R.T. 0.282 min
 Lab File: BF142280.D
 Acq: 02 May 2025 13:53

Tgt Ion: 42 Resp: 17647
 Ion Ratio Lower Upper
 42 100
 74 1.9 89.5 134.3#
 44 98.8 6.6 9.8#

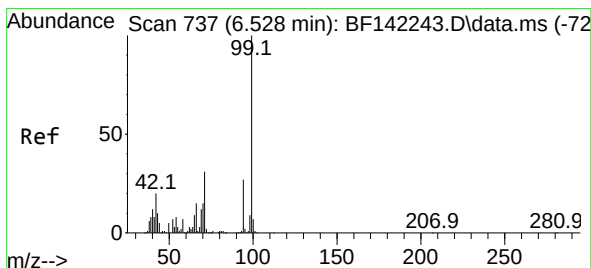
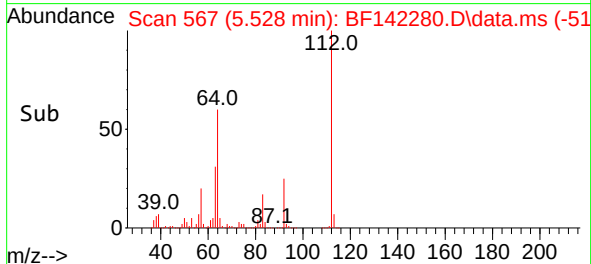
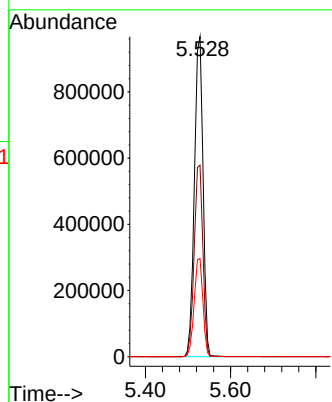
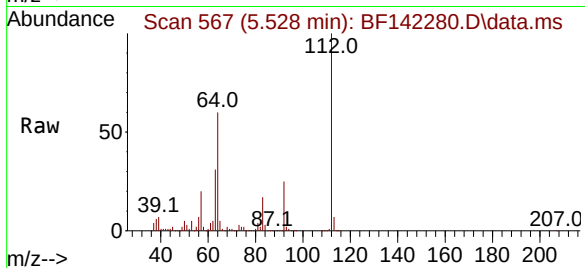




#5
2-Fluorophenol
Concen: 101.112 ng
RT: 5.528 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

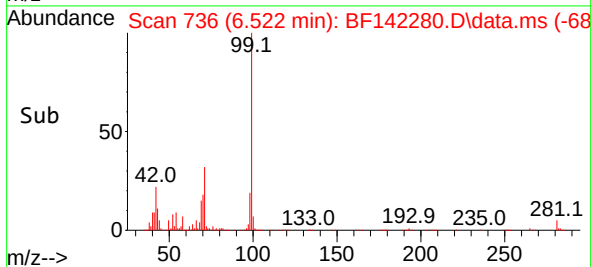
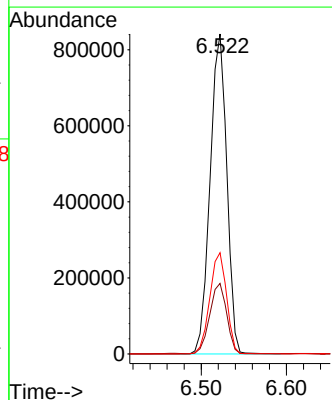
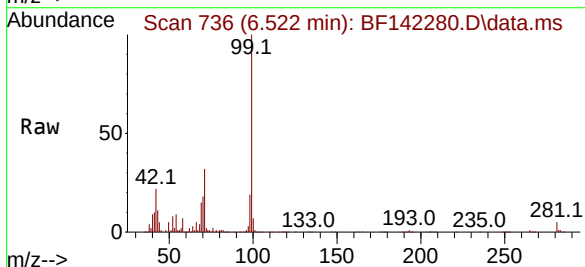
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

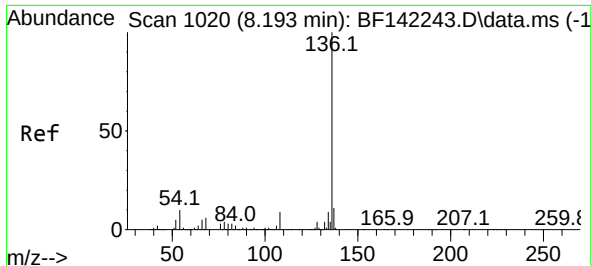
Tgt Ion:112 Resp: 1362221
Ion Ratio Lower Upper
112 100
64 59.8 48.4 72.6
63 30.7 24.8 37.2



#7
Phenol-d6
Concen: 70.391 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion: 99 Resp: 1145189
Ion Ratio Lower Upper
99 100
42 22.1 16.3 24.5
71 31.6 25.0 37.4

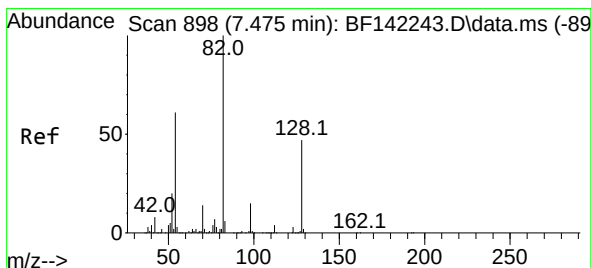
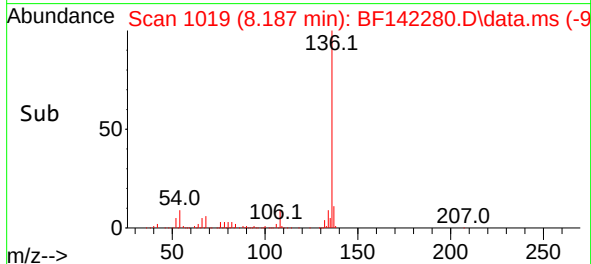
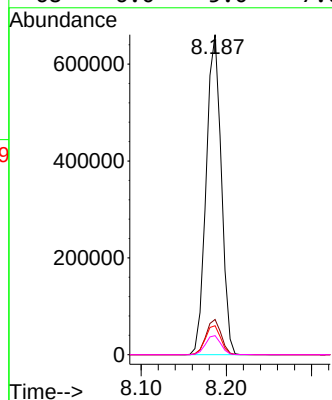
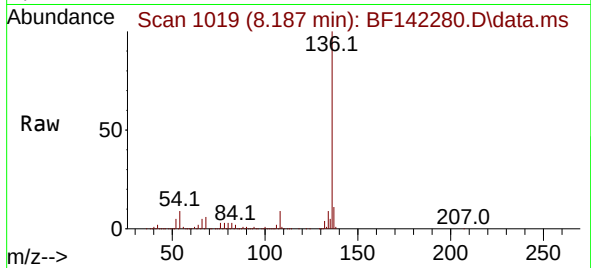




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

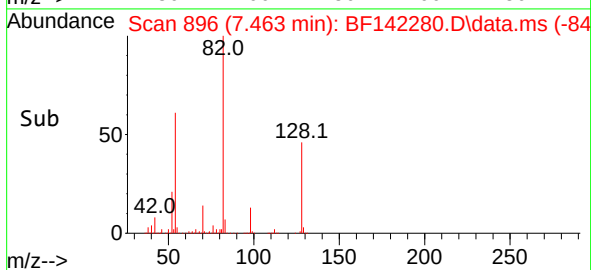
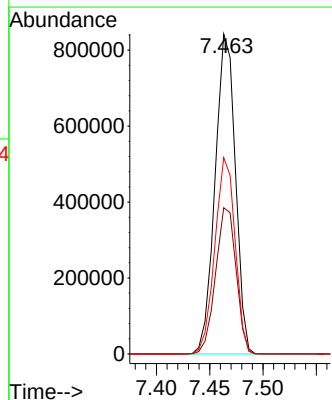
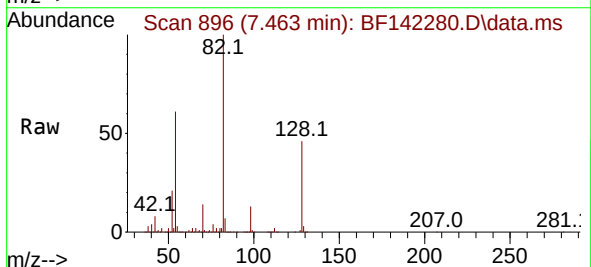
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ClientSampleId :
B-167-SB02

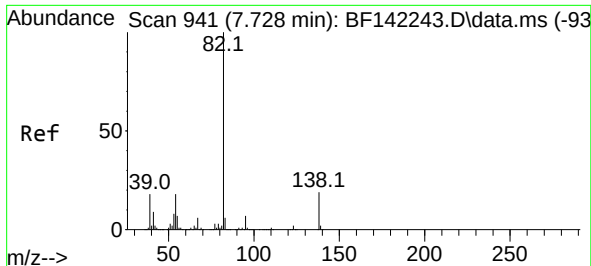
Tgt Ion:136 Resp: 812217
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 9.0 7.7 11.5
68 6.0 5.0 7.6



#23
Nitrobenzene-d5
Concen: 90.156 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion: 82 Resp: 1114602
Ion Ratio Lower Upper
82 100
128 45.7 37.0 55.6
54 61.4 48.0 72.0

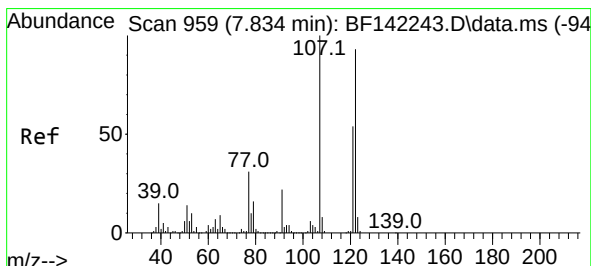
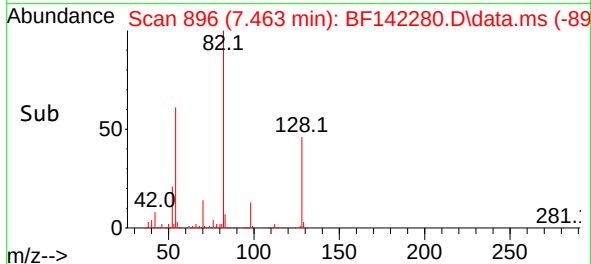
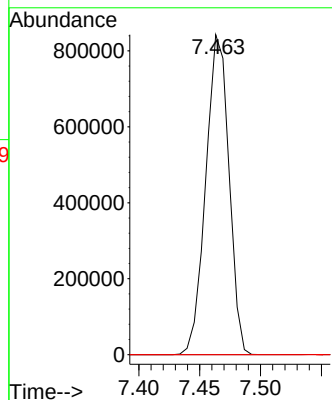
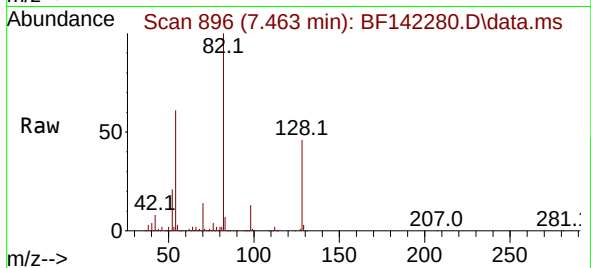




#25
Isophorone
Concen: 42.892 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

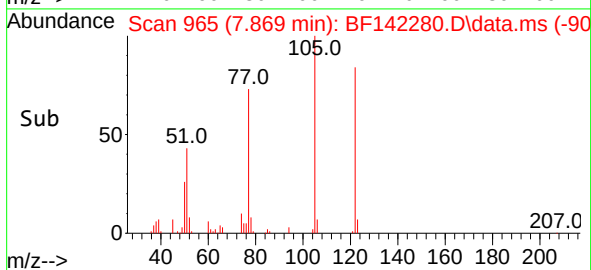
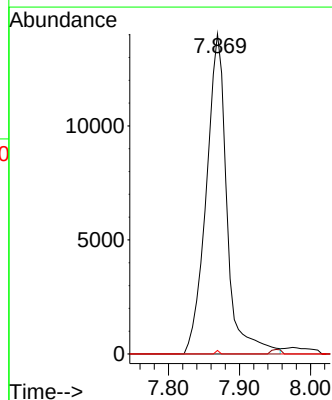
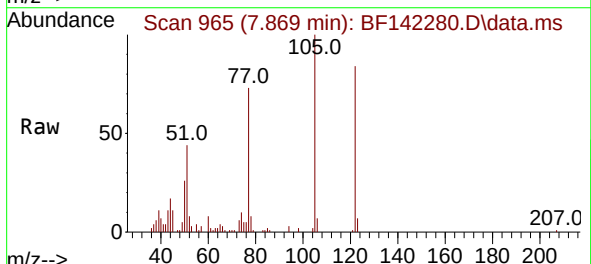
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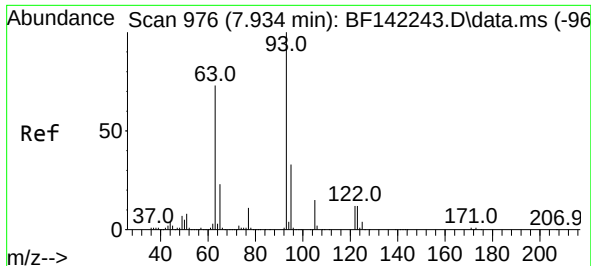
Tgt Ion: 82 Resp: 1112906
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#27
2,4-Dimethylphenol
Concen: 2.171 ng
RT: 7.869 min Scan# 965
Delta R.T. 0.035 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:122 Resp: 28398
Ion Ratio Lower Upper
122 100
107 0.0 86.0 129.0#
121 1.1 46.3 69.5#

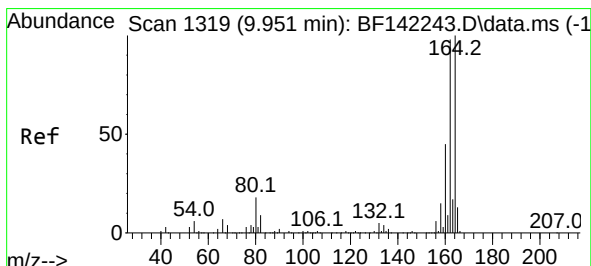
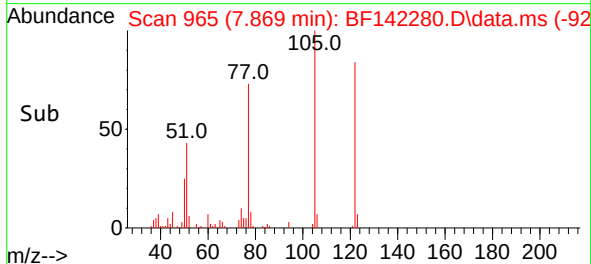
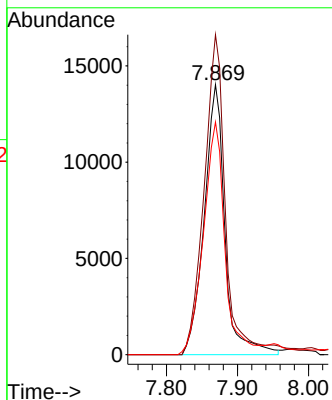
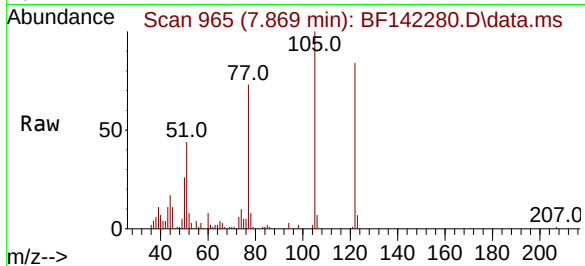




#32
Benzoic acid
Concen: 14.343 ng
RT: 7.869 min Scan# 90
Delta R.T. -0.065 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

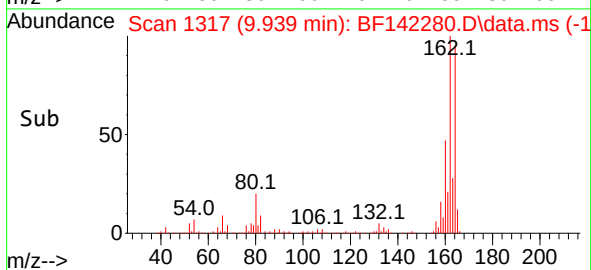
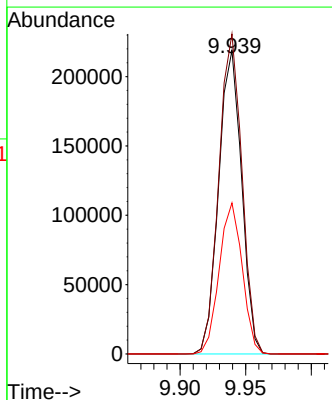
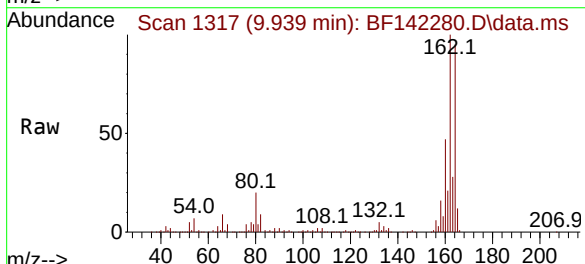
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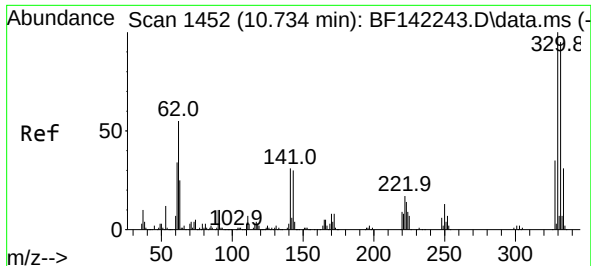
Tgt Ion:	122	Resp:	28398
Ion	Ratio	Lower	Upper
122	100		
105	118.5	98.2	138.2
77	86.1	66.8	106.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:	164	Resp:	266125
Ion	Ratio	Lower	Upper
164	100		
162	105.4	78.6	117.8
160	49.7	35.7	53.5

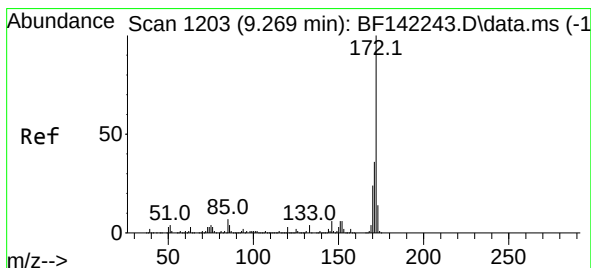
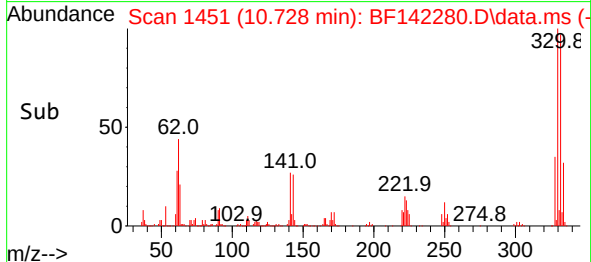
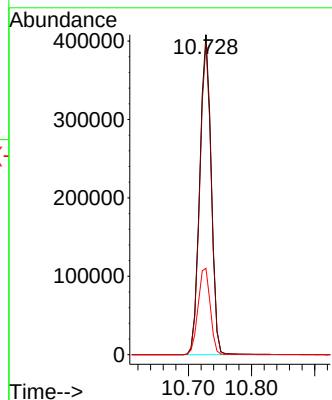
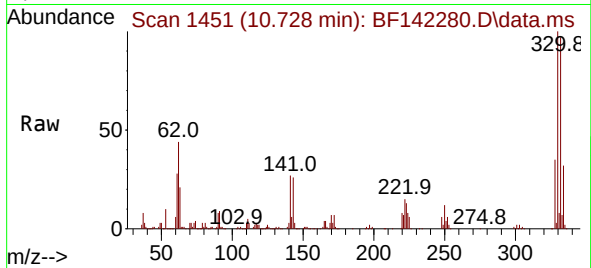




#42
2,4,6-Tribromophenol
Concen: 212.068 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

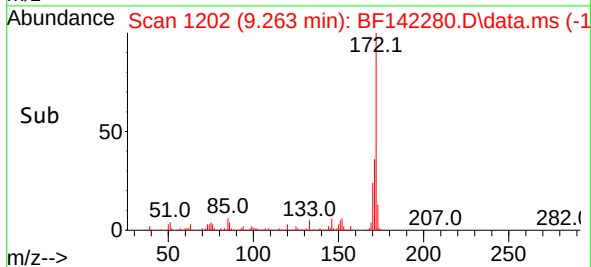
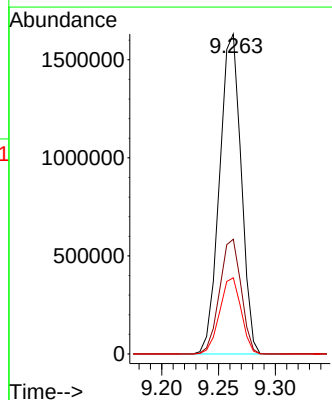
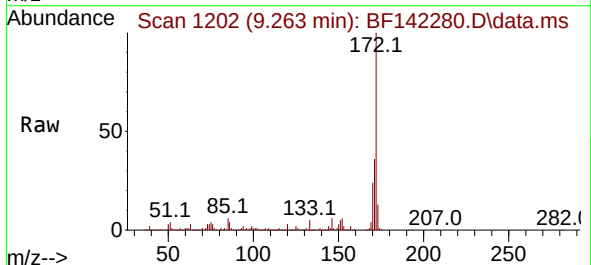
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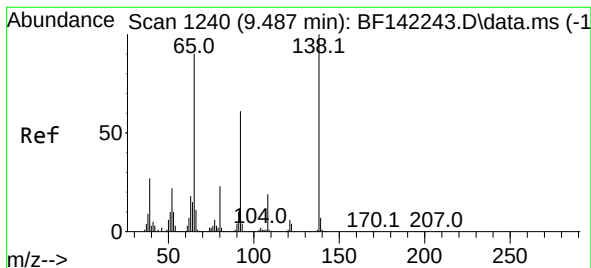
Tgt Ion:330 Resp: 514497
Ion Ratio Lower Upper
330 100
332 97.0 76.5 114.7
141 28.7 24.3 36.5



#45
2-Fluorobiphenyl
Concen: 114.396 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:172 Resp: 2159177
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.8 19.4 29.0





#48

2-Nitroaniline

Concen: 4.812 ng

RT: 9.545 min Scan# 11

Delta R.T. 0.058 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

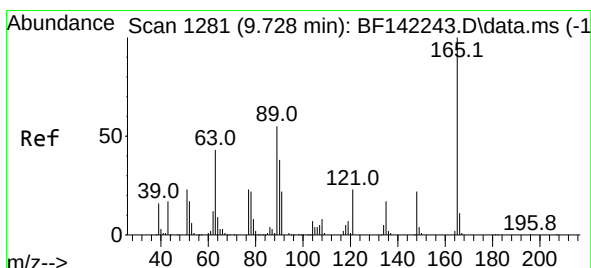
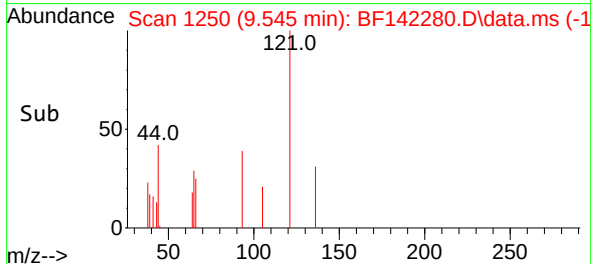
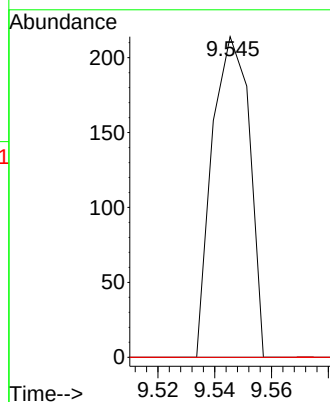
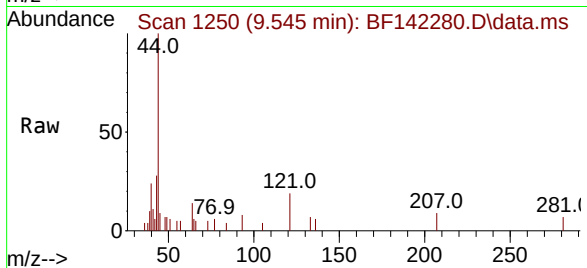
Tgt Ion: 65 Resp: 195

Ion Ratio Lower Upper

65 100

92 0.0 54.3 81.5#

138 0.0 88.6 133.0#



#51

2,6-Dinitrotoluene

Concen: 13.759 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.211 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

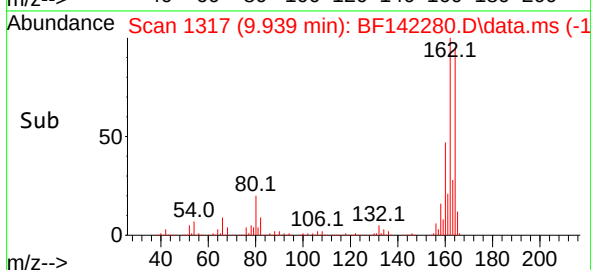
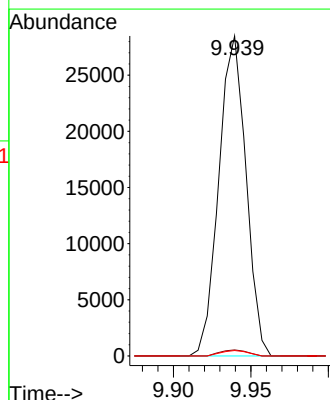
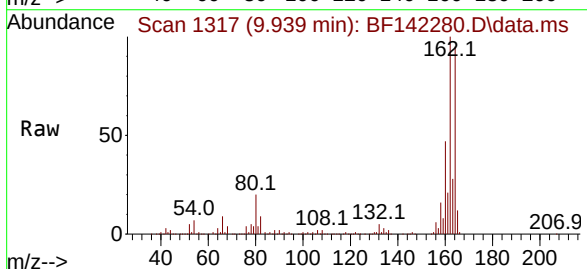
Tgt Ion: 165 Resp: 34698

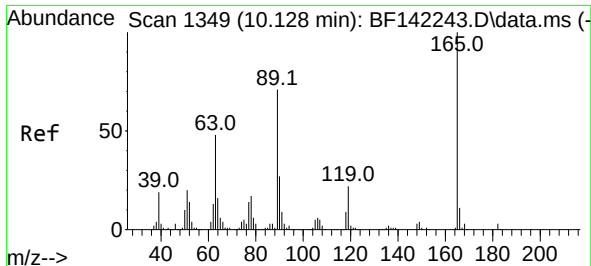
Ion Ratio Lower Upper

165 100

63 1.9 48.5 72.7#

89 1.7 43.9 65.9#

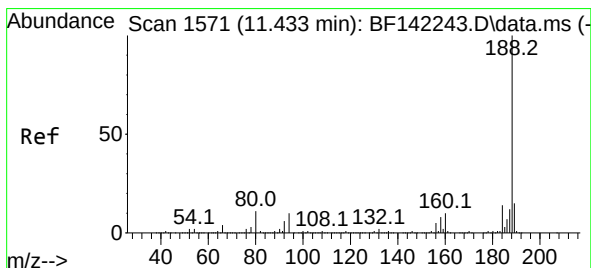
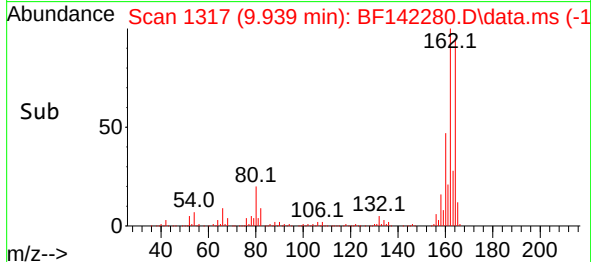
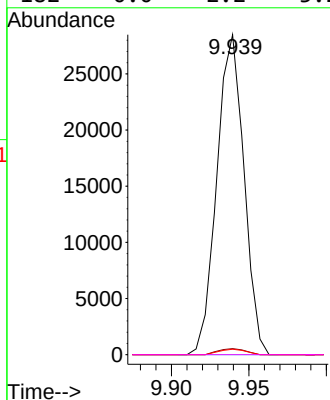
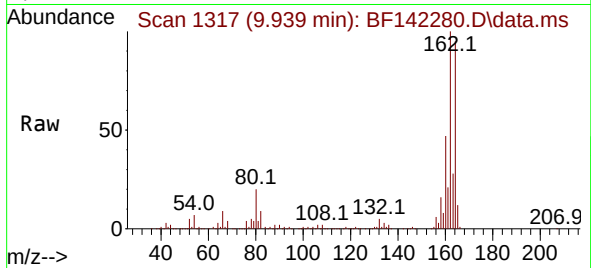




#57
2,4-Dinitrotoluene
Concen: 12.885 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

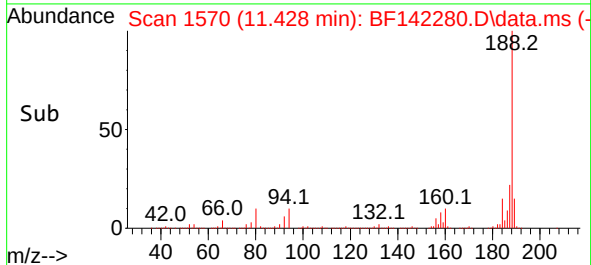
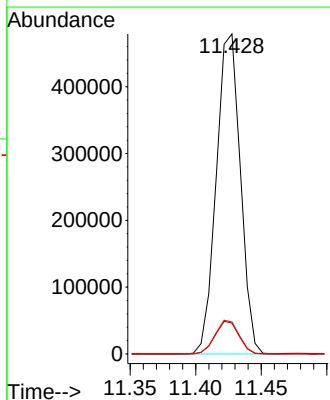
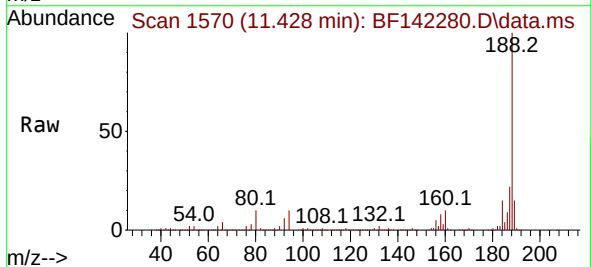
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

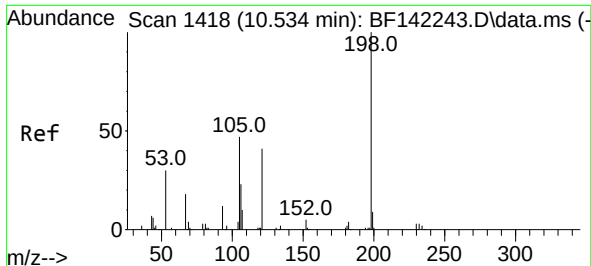
Tgt Ion:165 Resp: 34698
Ion Ratio Lower Upper
165 100
63 1.9 38.8 58.2#
89 1.7 57.1 85.7#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:188 Resp: 611583
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.0 8.6 12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 11.067 ng

RT: 10.728 min Scan# 1418

Delta R.T. 0.194 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

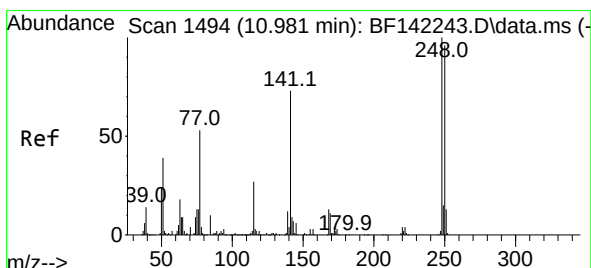
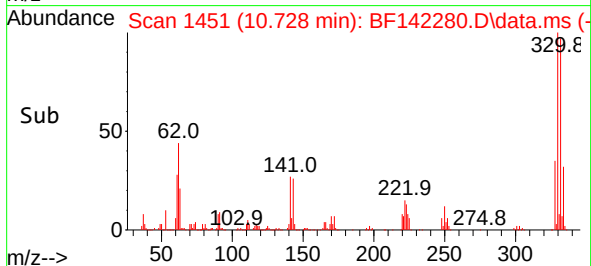
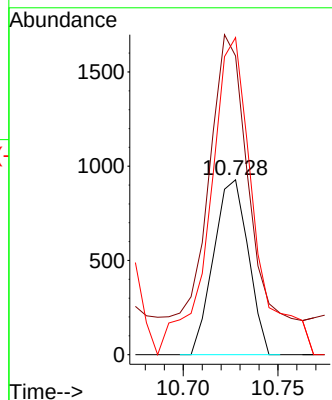
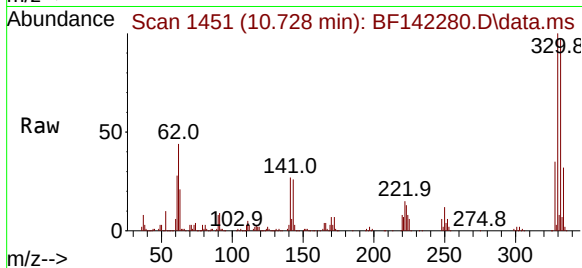
Tgt Ion:198 Resp: 1178

Ion Ratio Lower Upper

198 100

51 170.8 40.6 80.6#

105 181.4 29.2 69.2#



#67

4-Bromophenyl-phenylether

Concen: 4.485 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

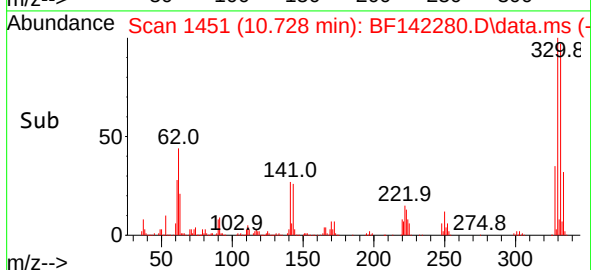
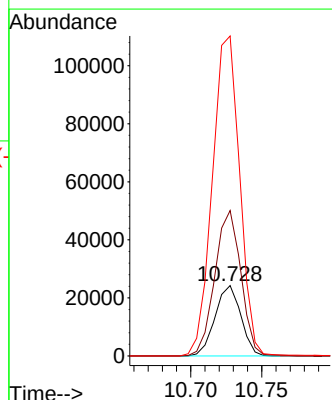
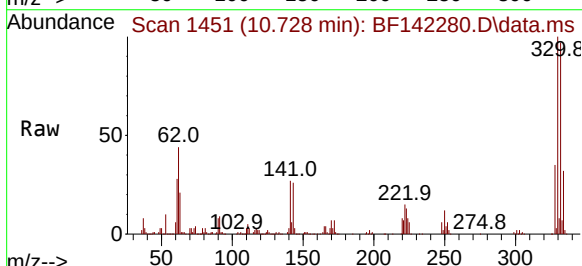
Tgt Ion:248 Resp: 30547

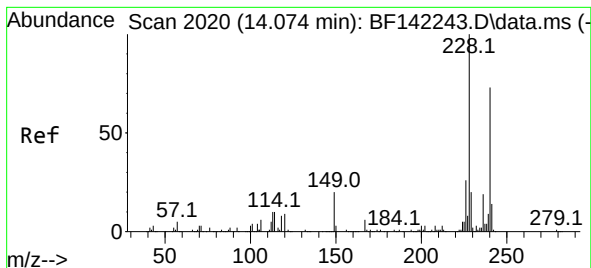
Ion Ratio Lower Upper

248 100

250 206.8 77.2 115.8#

141 454.9 58.4 87.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

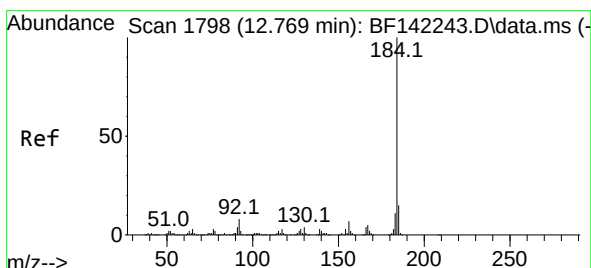
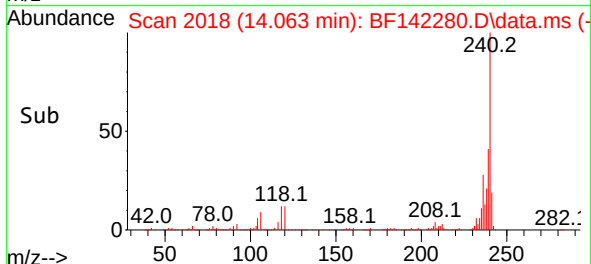
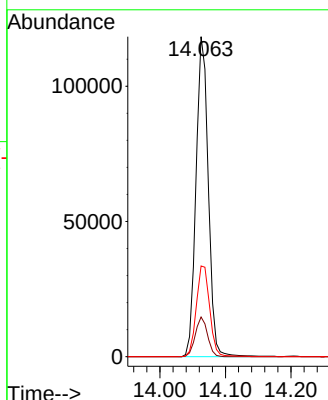
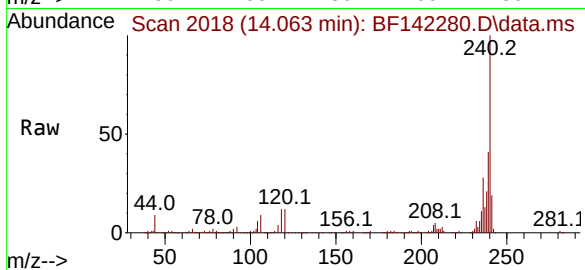
Tgt Ion:240 Resp: 154727

Ion Ratio Lower Upper

240 100

120 12.4 10.1 15.1

236 28.4 20.5 30.7



#77

Benzidine

Concen: 3.838 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

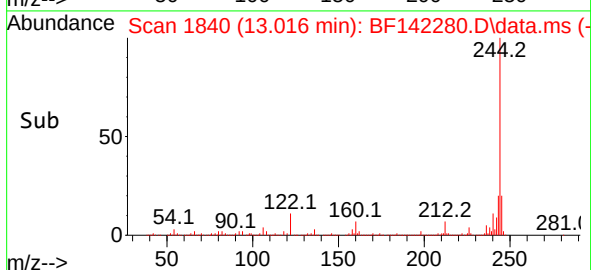
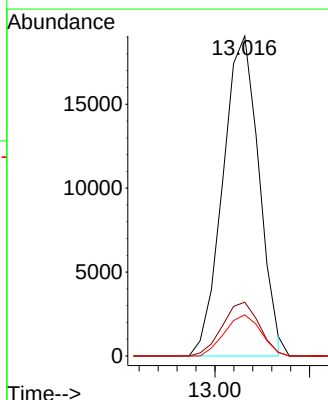
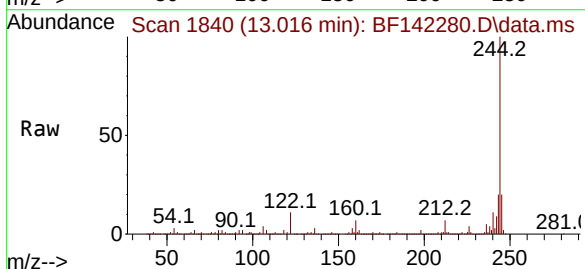
Tgt Ion:184 Resp: 25230

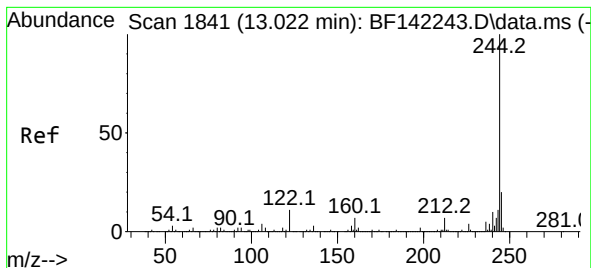
Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.6

183 12.9 8.9 13.3





#79

Terphenyl-d14

Concen: 181.263 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

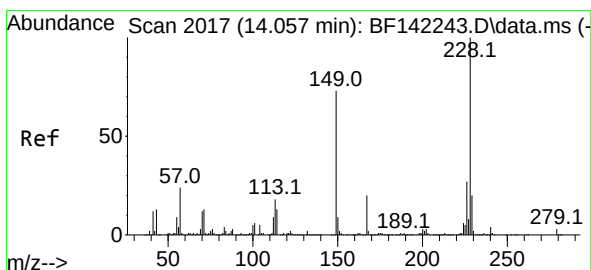
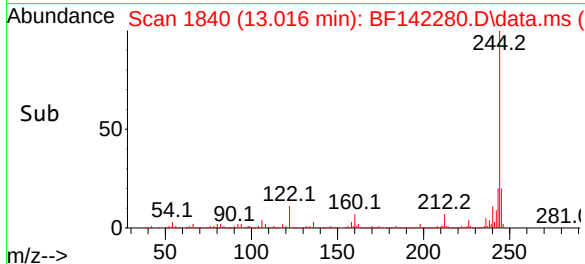
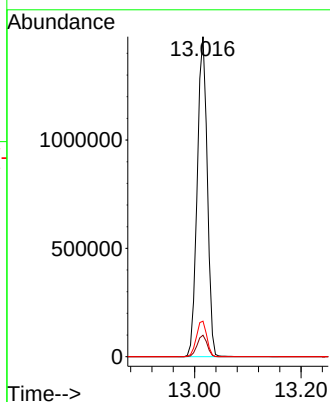
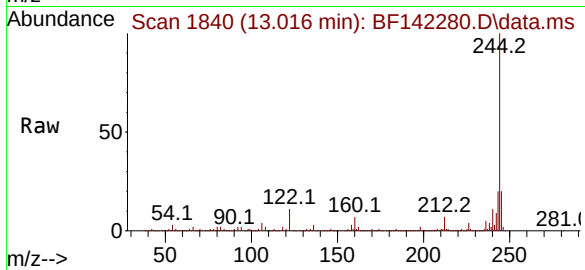
Tgt Ion:244 Resp: 1928369

Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

122 11.1 9.1 13.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.562 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

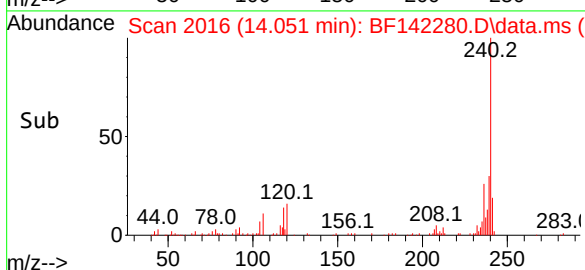
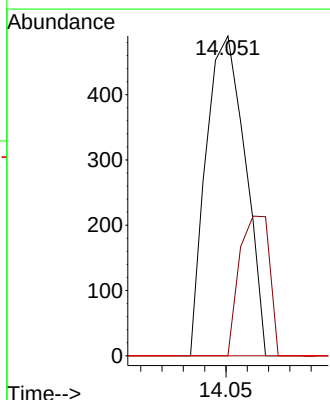
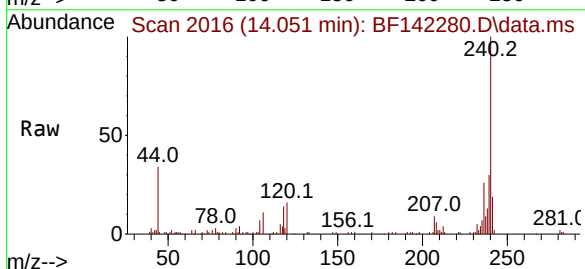
Tgt Ion:149 Resp: 627

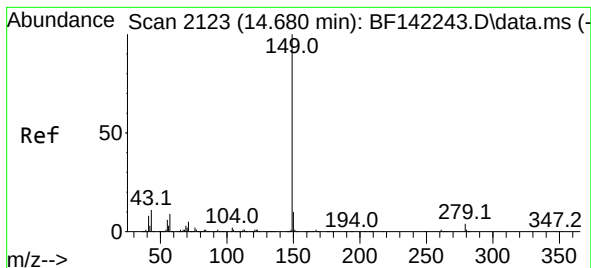
Ion Ratio Lower Upper

149 100

167 0.0 21.7 32.5#

279 0.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 6.098 ng

RT: 14.704 min Scan# 2123

Delta R.T. 0.024 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

Instrument :

BNA_F

ClientSampleId :

B-167-SB02

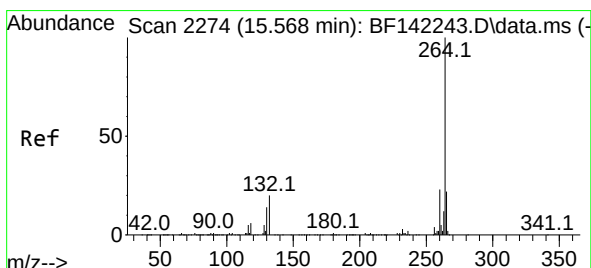
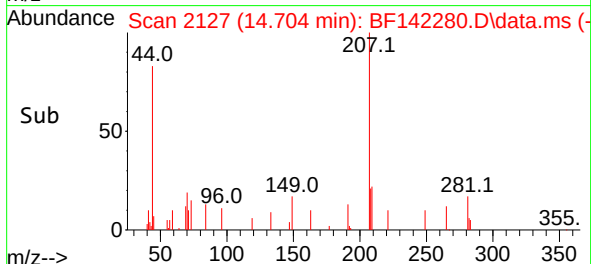
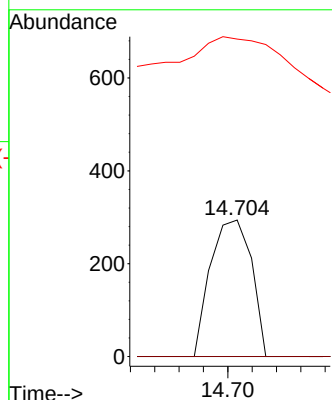
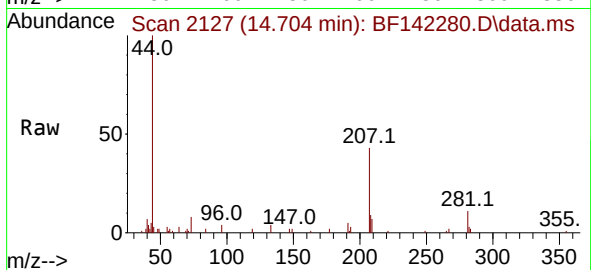
Tgt Ion:149 Resp: 344

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 89.0 9.3 13.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF142280.D

Acq: 02 May 2025 13:53

Tgt Ion:264 Resp: 3229

Ion Ratio Lower Upper

264 100

260 36.3 18.4 27.6#

265 32.4 17.3 25.9#

