

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141687.D
 Acq On : 19 Feb 2025 21:09
 Operator : RC/JU
 Sample : Q1383-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-12-021725

Quant Time: Feb 20 00:14:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

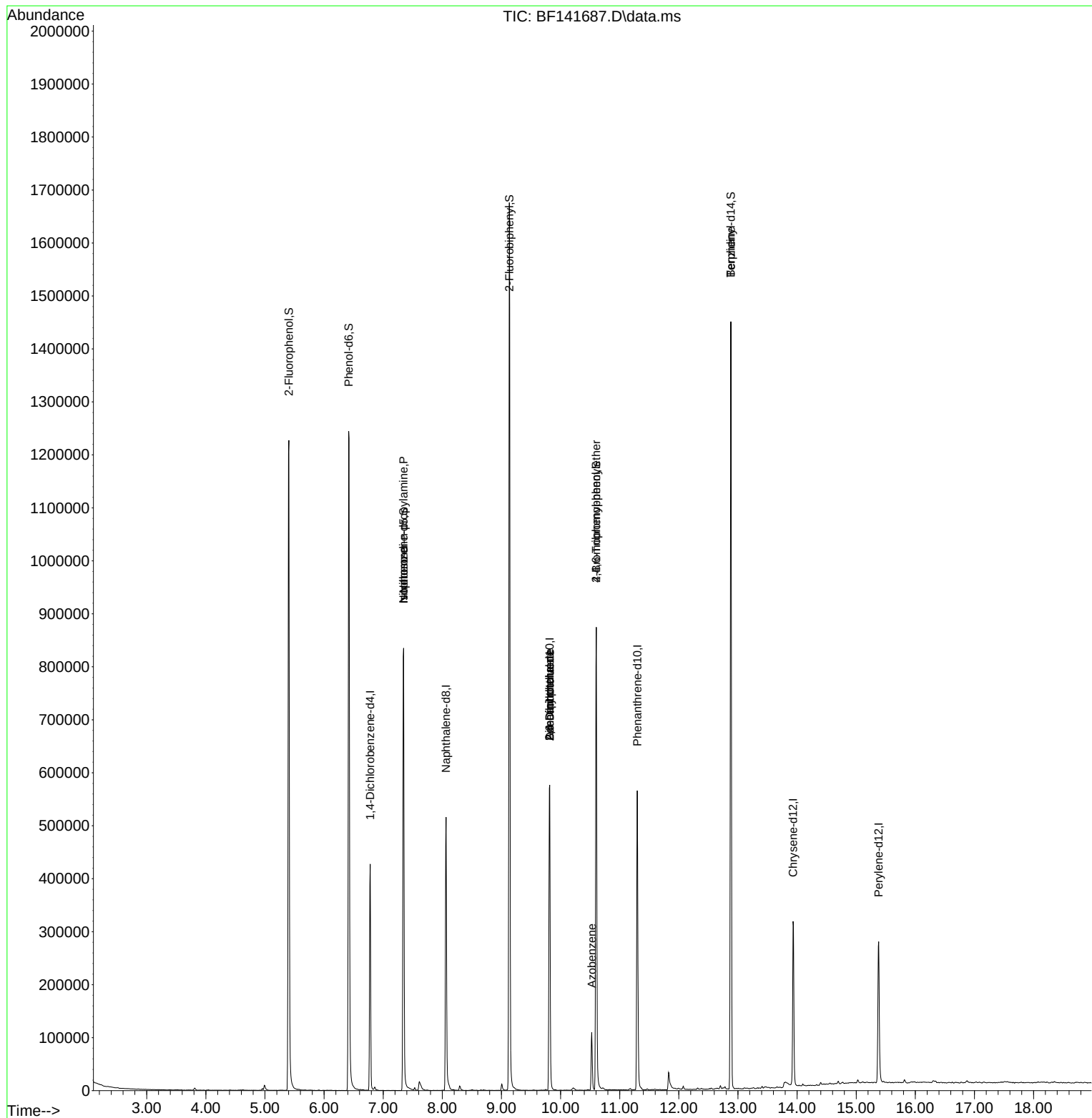
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90790	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	362025	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	192735	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	317483	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	170220	20.000	ng	-0.03
86) Perylene-d12	15.380	264	174477	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	493082	85.144	ng	0.00
7) Phenol-d6	6.416	99	606597	82.874	ng	-0.02
23) Nitrobenzene-d5	7.345	82	395925	57.042	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	149582	77.259	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	751693	60.087	ng	-0.02
79) Terphenyl-d14	12.880	244	713212	70.733	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	52823	12.065	ng	# 73
25) Isophorone	7.345	82	390476	35.283	ng	# 66
50) Dimethylphthalate	9.816	163	29098	2.224	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	24893	8.703	ng	# 21
57) 2,4-Dinitrotoluene	9.816	165	24893	6.537	ng	# 18
63) Azobenzene	10.527	77	28247	2.207	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	9780	2.756	ng	# 1
77) Benzidine	12.880	184	8861	2.360	ng	# 93

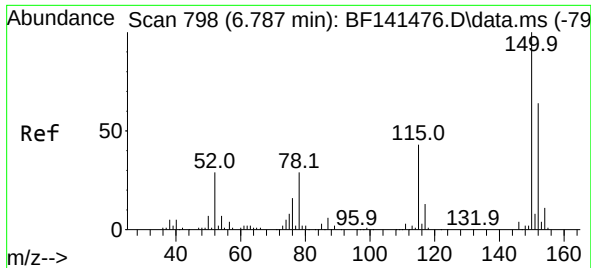
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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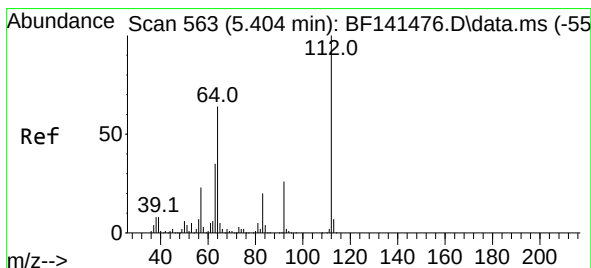
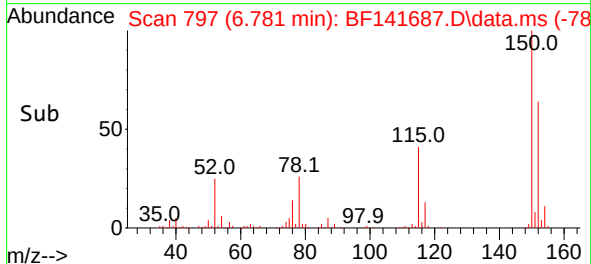
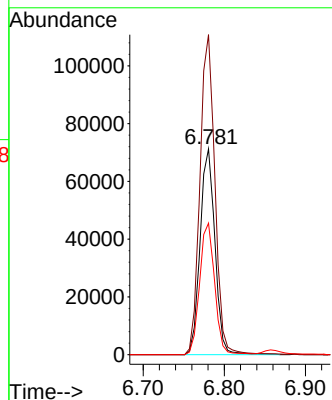
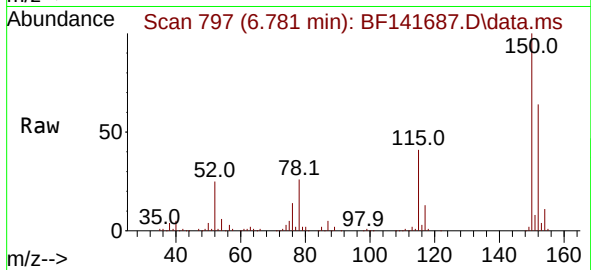




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141687.D
 Acq: 19 Feb 2025 21:09

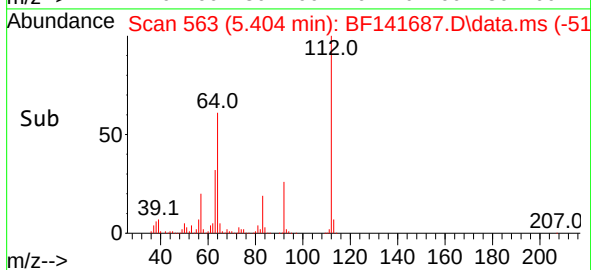
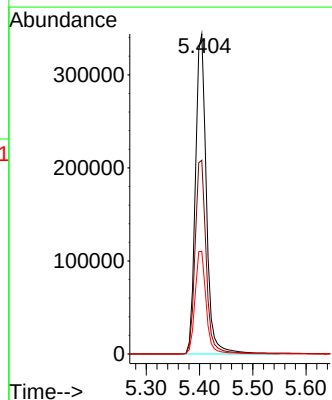
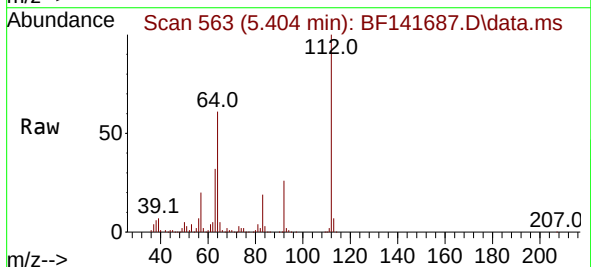
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-12-021725

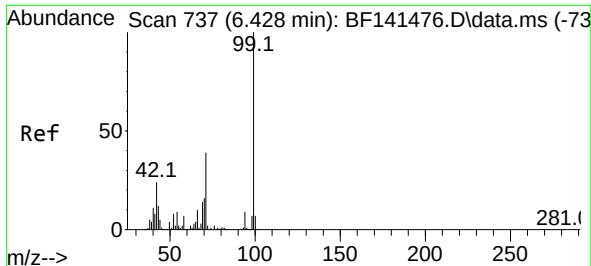
Tgt Ion:152 Resp: 90790
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.0 187.4
 115 64.0 53.6 80.4



#5
 2-Fluorophenol
 Concen: 85.144 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141687.D
 Acq: 19 Feb 2025 21:09

Tgt Ion:112 Resp: 493082
 Ion Ratio Lower Upper
 112 100
 64 60.6 51.1 76.7
 63 32.1 28.4 42.6

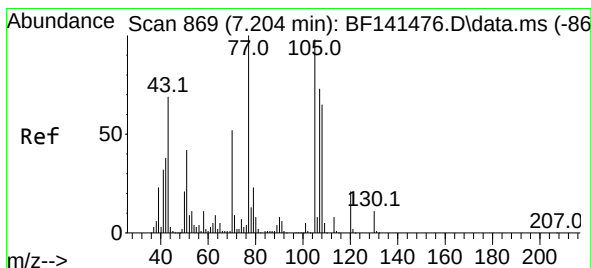
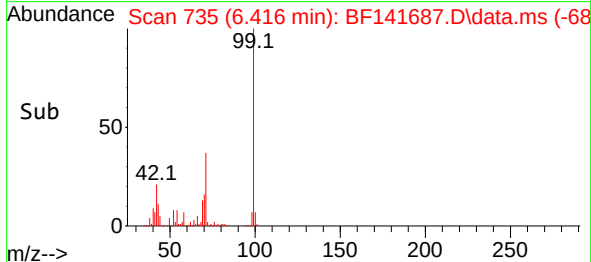
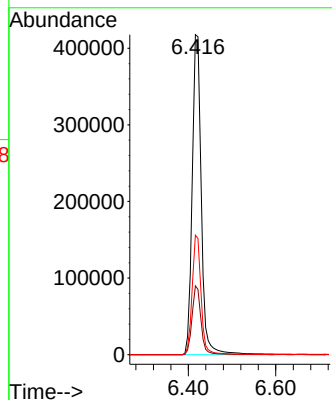
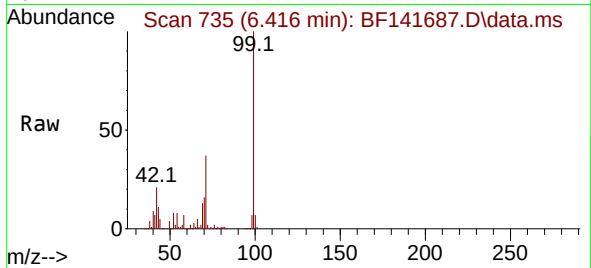




#7
Phenol-d6
Concen: 82.874 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

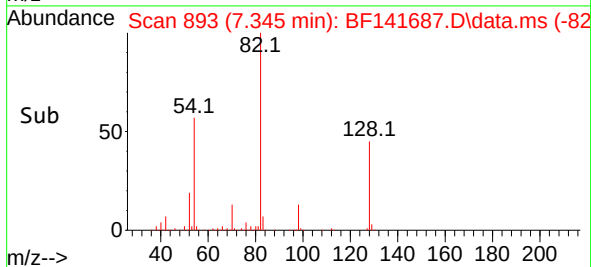
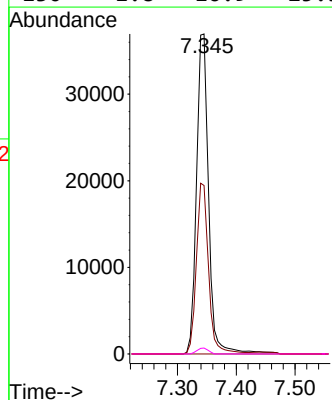
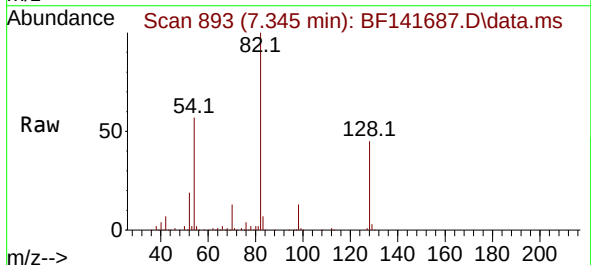
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

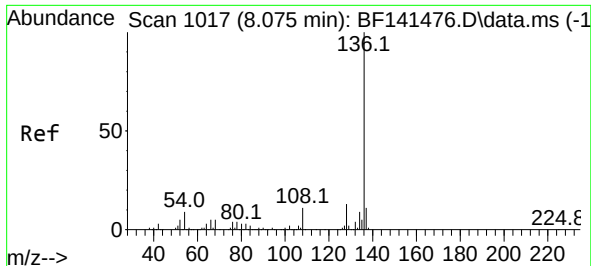
Tgt Ion: 99 Resp: 606597
Ion Ratio Lower Upper
99 100
42 21.5 19.1 28.7
71 37.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.065 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion: 70 Resp: 52823
Ion Ratio Lower Upper
70 100
42 52.7 57.4 86.2#
101 0.0 8.0 12.0#
130 1.8 16.9 25.3#

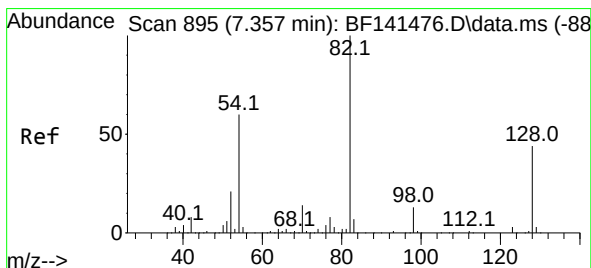
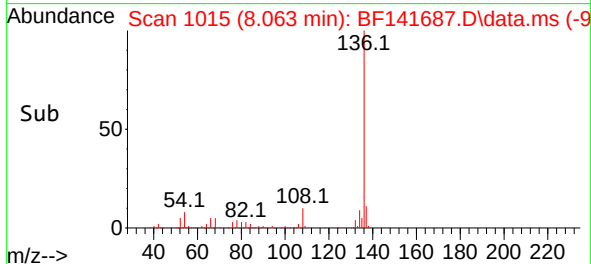
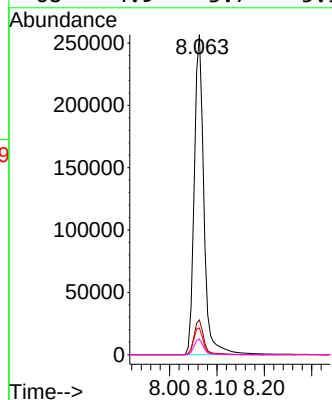
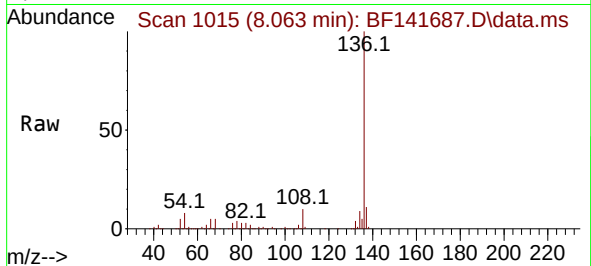




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

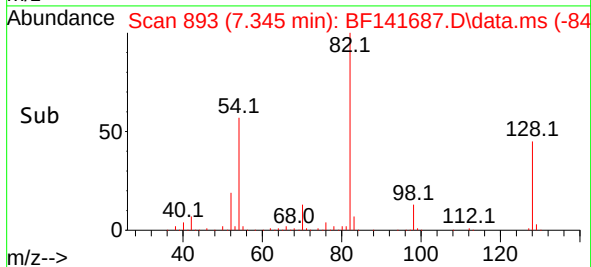
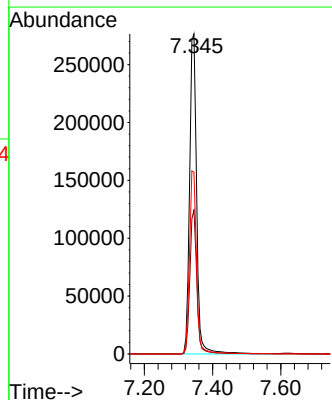
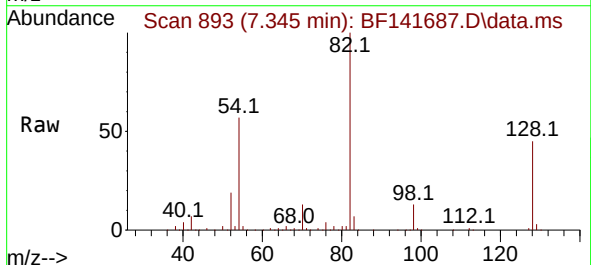
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

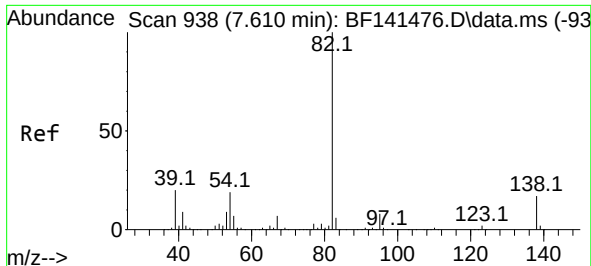
Tgt Ion:136	Resp: 362025
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 8.3	7.2 10.8
68 4.9	3.7 5.5



#23
Nitrobenzene-d5
Concen: 57.042 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion: 82	Resp: 395925
Ion Ratio	Lower Upper
82 100	
128 44.9	34.8 52.2
54 56.8	48.2 72.4

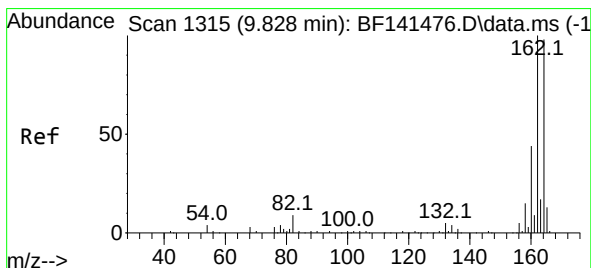
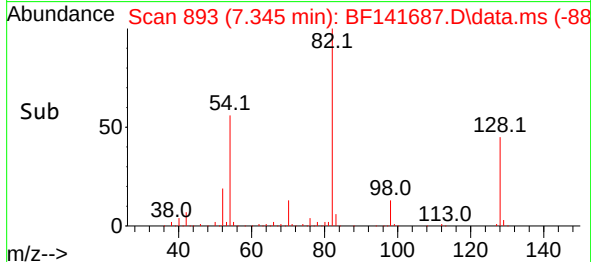
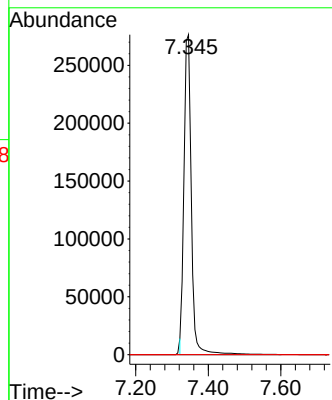
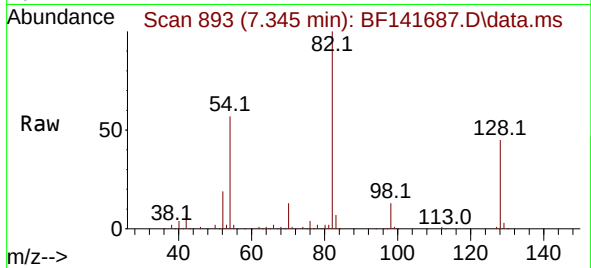




#25
Isophorone
Concen: 35.283 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

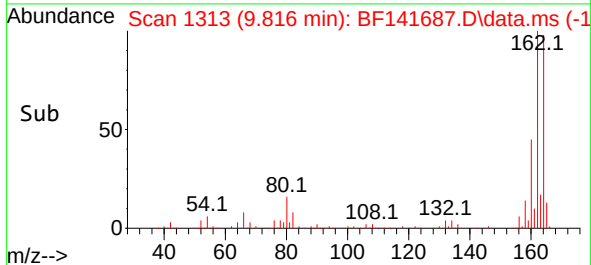
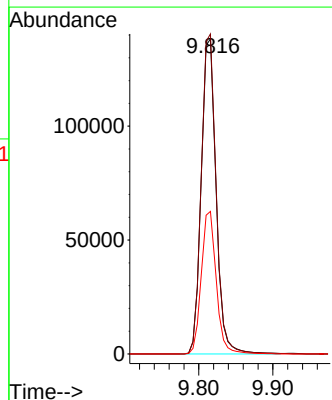
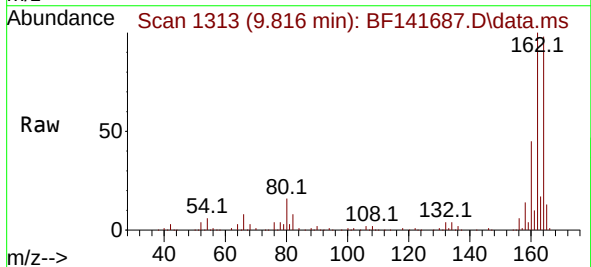
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

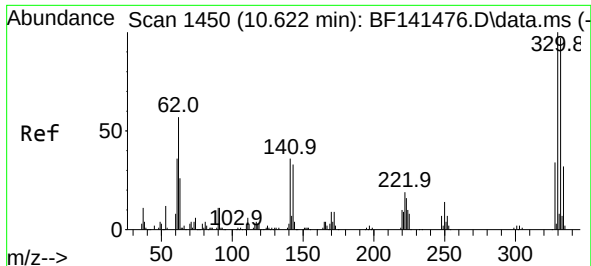
Tgt Ion: 82 Resp: 390476
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:164 Resp: 192735
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.2 35.9 53.9

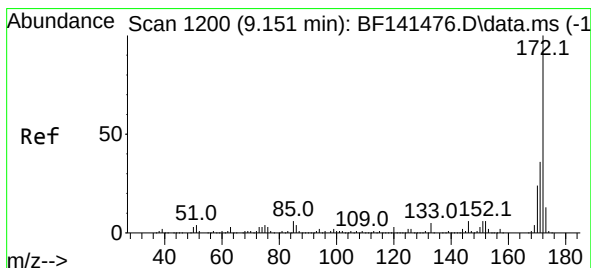
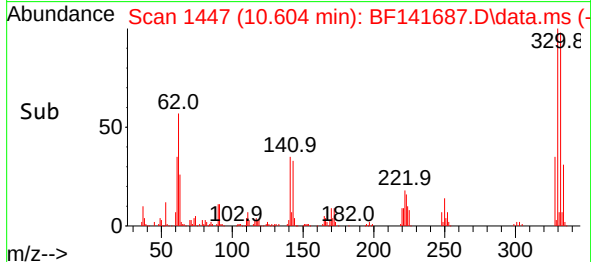
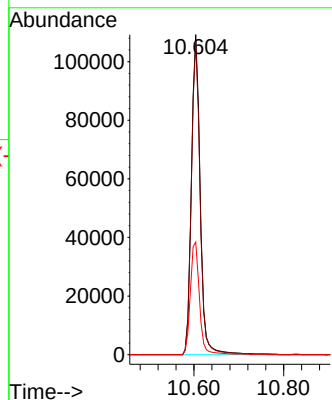
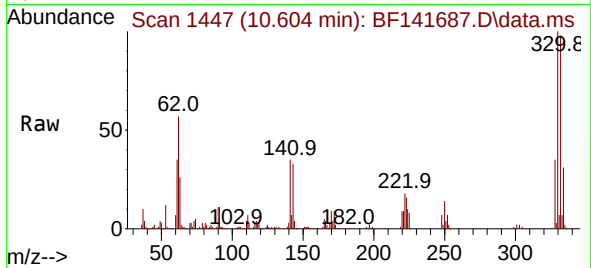




#42
 2,4,6-Tribromophenol
 Concen: 77.259 ng
 RT: 10.604 min Scan# 1450
 Delta R.T. -0.023 min
 Lab File: BF141687.D
 Acq: 19 Feb 2025 21:09

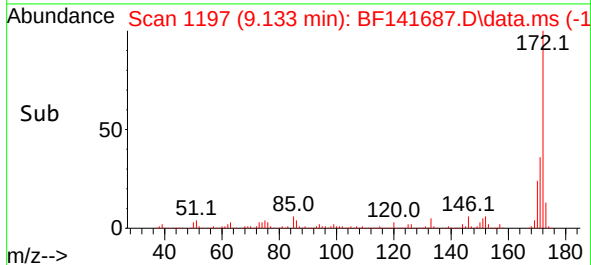
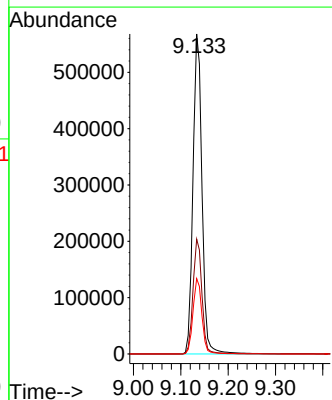
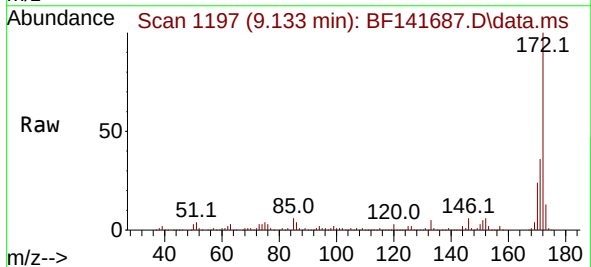
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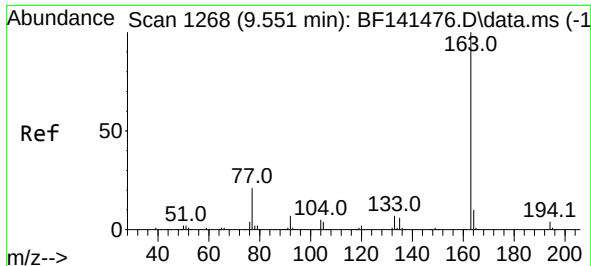
Tgt Ion:330 Resp: 149582
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.5 117.7
 141 36.5 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 60.087 ng
 RT: 9.133 min Scan# 1197
 Delta R.T. -0.018 min
 Lab File: BF141687.D
 Acq: 19 Feb 2025 21:09

Tgt Ion:172 Resp: 751693
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.7 43.1
 170 23.6 18.9 28.3

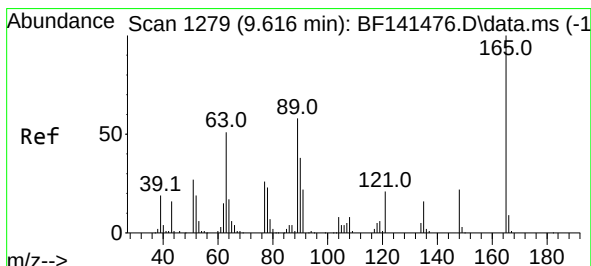
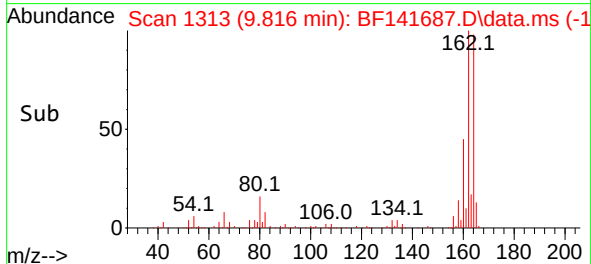
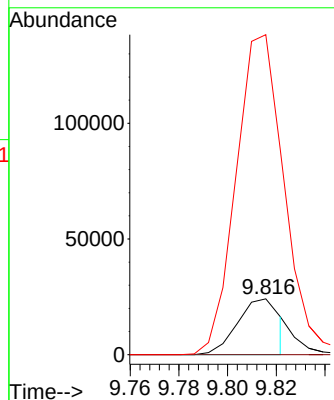
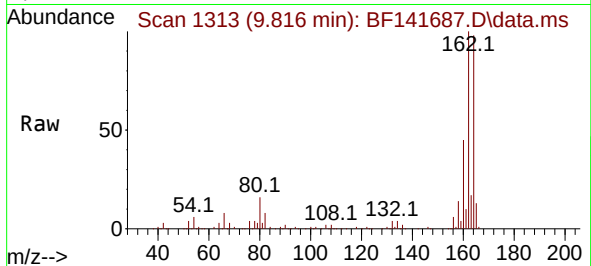




#50
Dimethylphthalate
Concen: 2.224 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

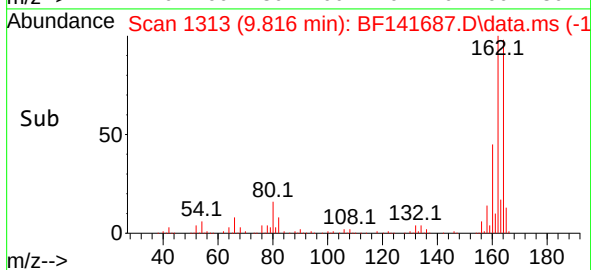
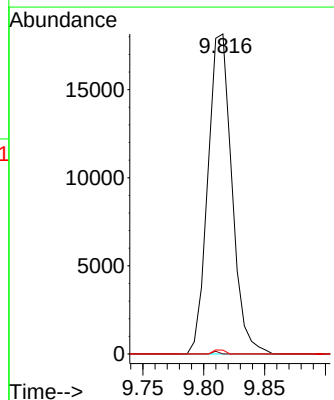
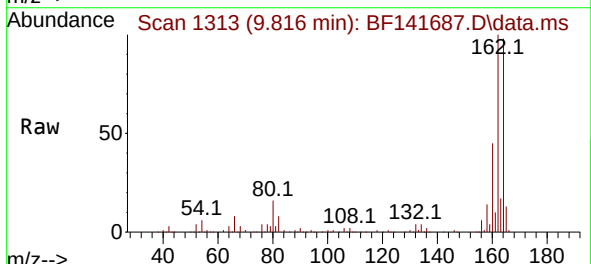
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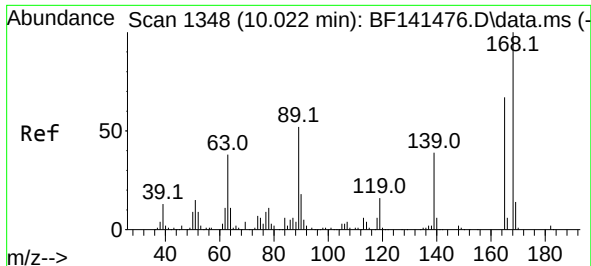
Tgt Ion:163 Resp: 29098
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 573.4 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.703 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

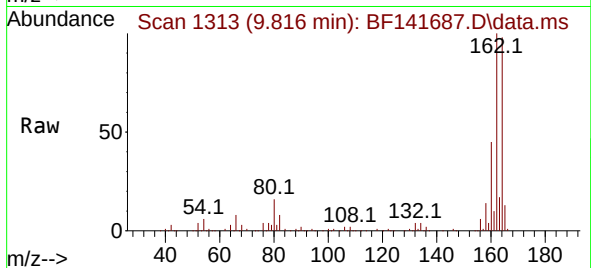
Tgt Ion:165 Resp: 24893
Ion Ratio Lower Upper
165 100
63 0.0 49.4 74.0#
89 1.2 46.5 69.7#



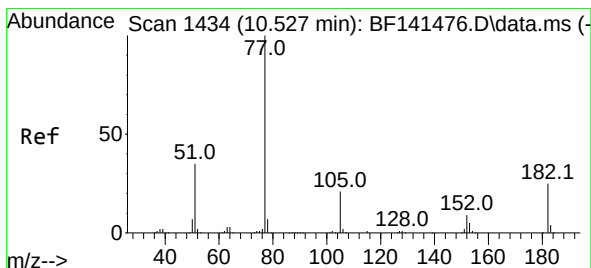
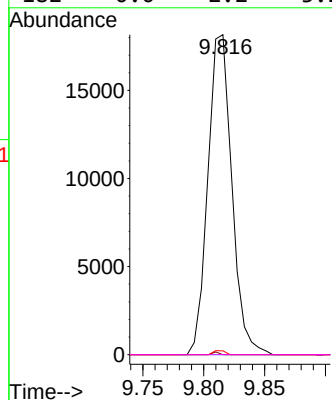
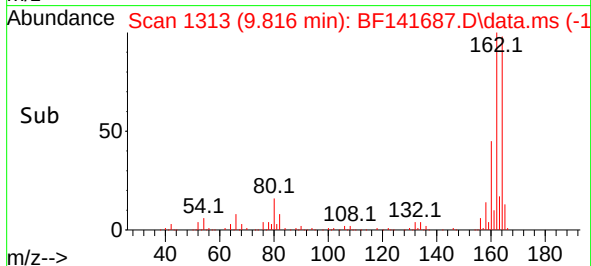


#57
2,4-Dinitrotoluene
Concen: 6.537 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

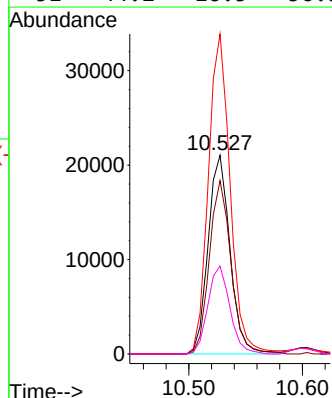
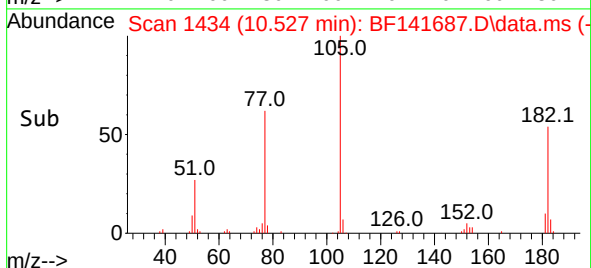
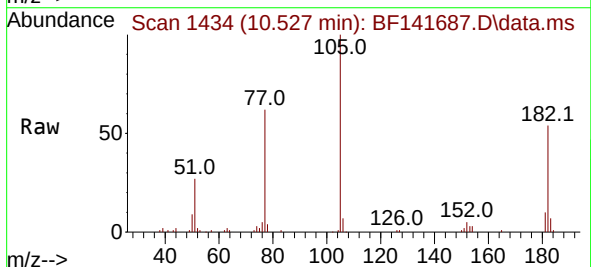


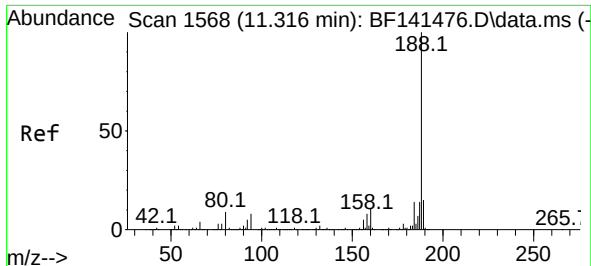
Tgt Ion:165 Resp: 24893
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 1.2 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.207 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion: 77 Resp: 28247
Ion Ratio Lower Upper
77 100
182 87.2 4.7 44.7#
105 161.1 0.4 40.4#
51 44.2 16.5 56.5

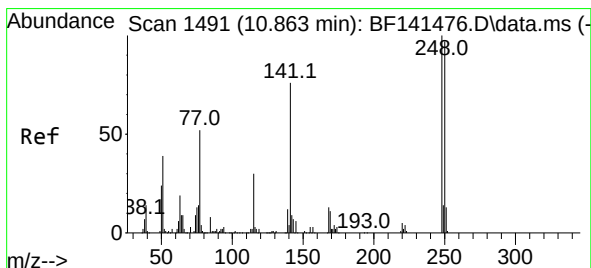
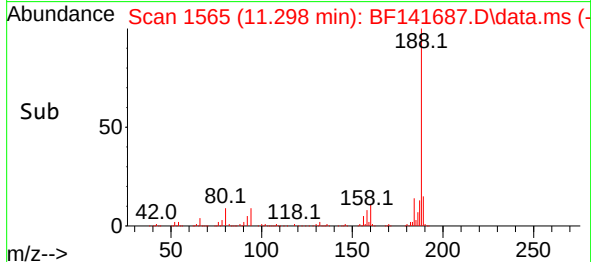
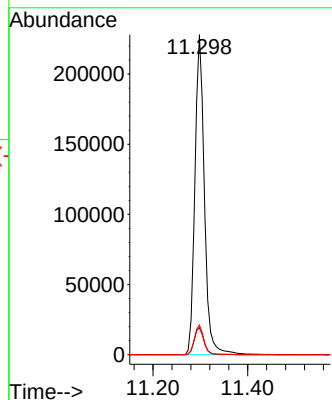
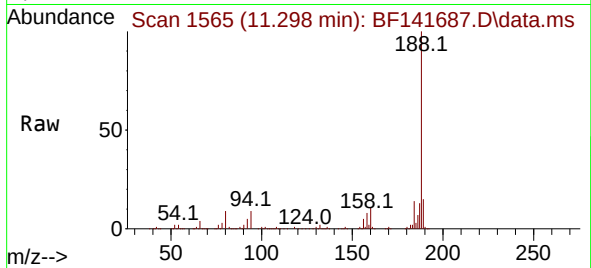




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

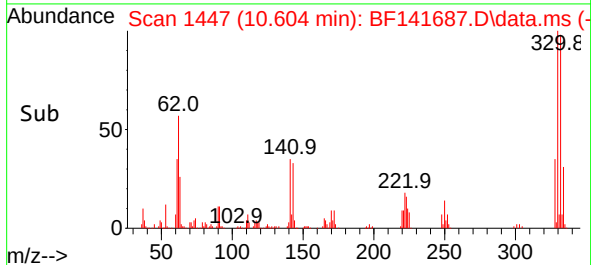
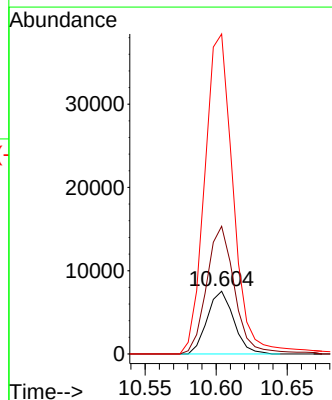
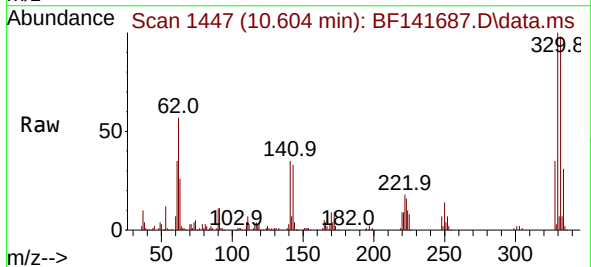
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

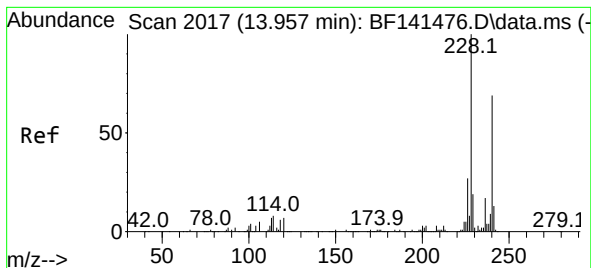
Tgt Ion:188 Resp: 317483
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.3 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 2.756 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.259 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:248 Resp: 9780
Ion Ratio Lower Upper
248 100
250 203.6 77.8 116.6#
141 510.0 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2017

Delta R.T. -0.029 min

Lab File: BF141687.D

Acq: 19 Feb 2025 21:09

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-12-021725

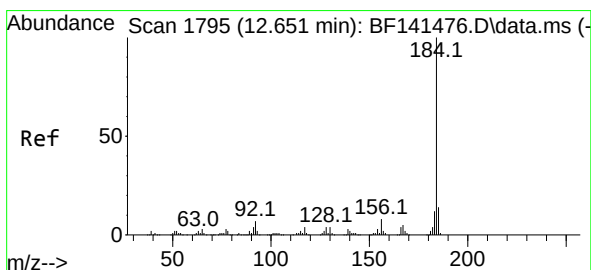
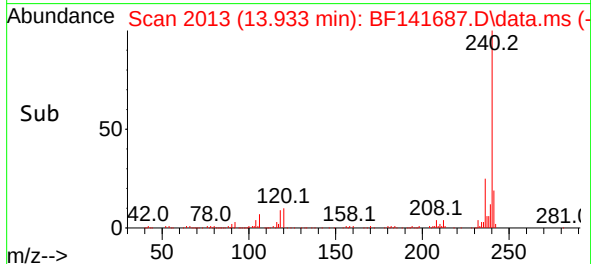
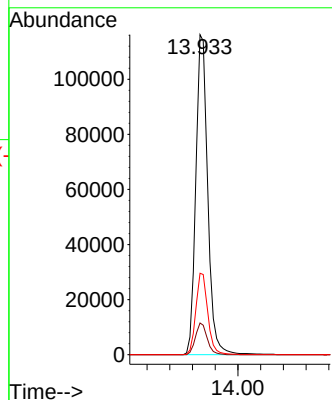
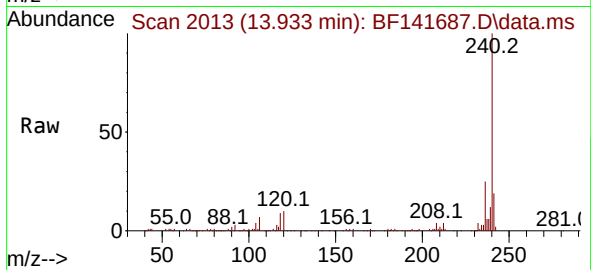
Tgt Ion:240 Resp: 170220

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.5 19.8 29.8



#77

Benzidine

Concen: 2.360 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141687.D

Acq: 19 Feb 2025 21:09

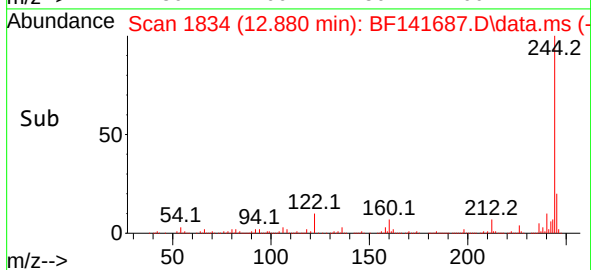
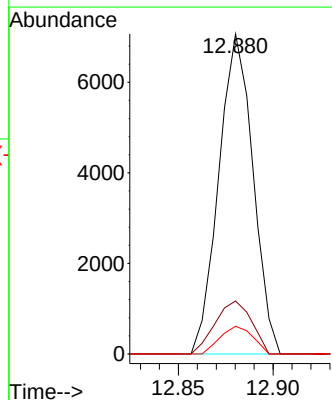
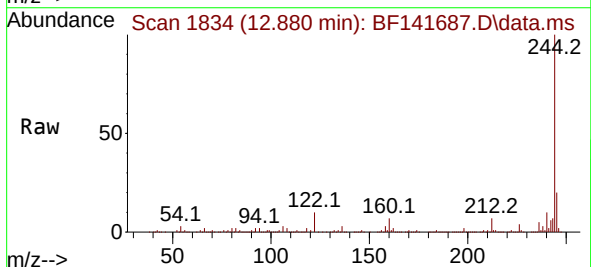
Tgt Ion:184 Resp: 8861

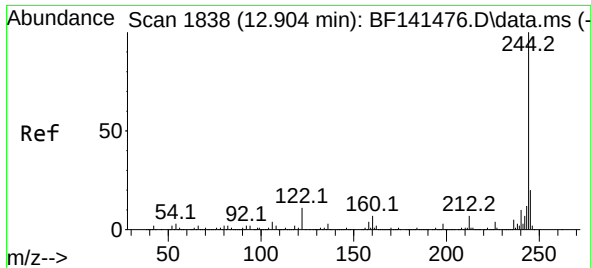
Ion Ratio Lower Upper

184 100

185 16.6 11.3 16.9

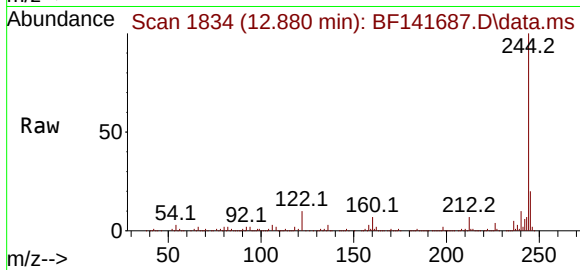
183 8.7 9.3 13.9#



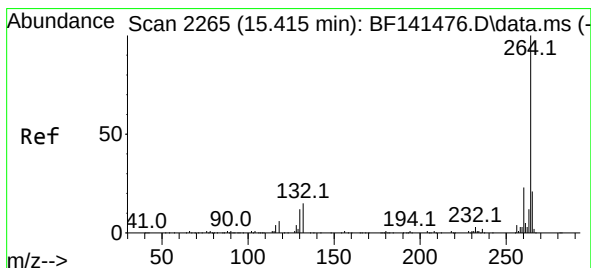
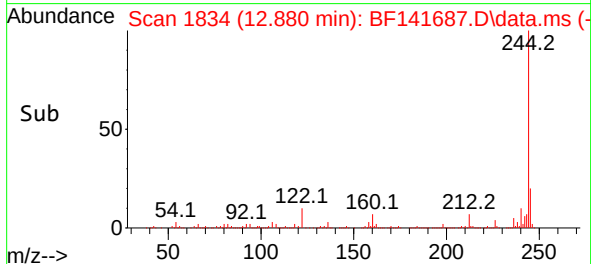
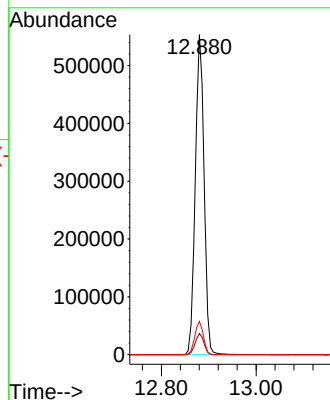


#79
Terphenyl-d14
Concen: 70.733 ng
RT: 12.880 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725



Tgt Ion:244 Resp: 713212
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.4 8.4 12.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:264 Resp: 174477
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.2 17.0 25.4

