

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141613.D
 Acq On : 13 Feb 2025 14:37
 Operator : RC/JU
 Sample : Q1356-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARBON-SOLID

Quant Time: Feb 13 15:07:34 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)

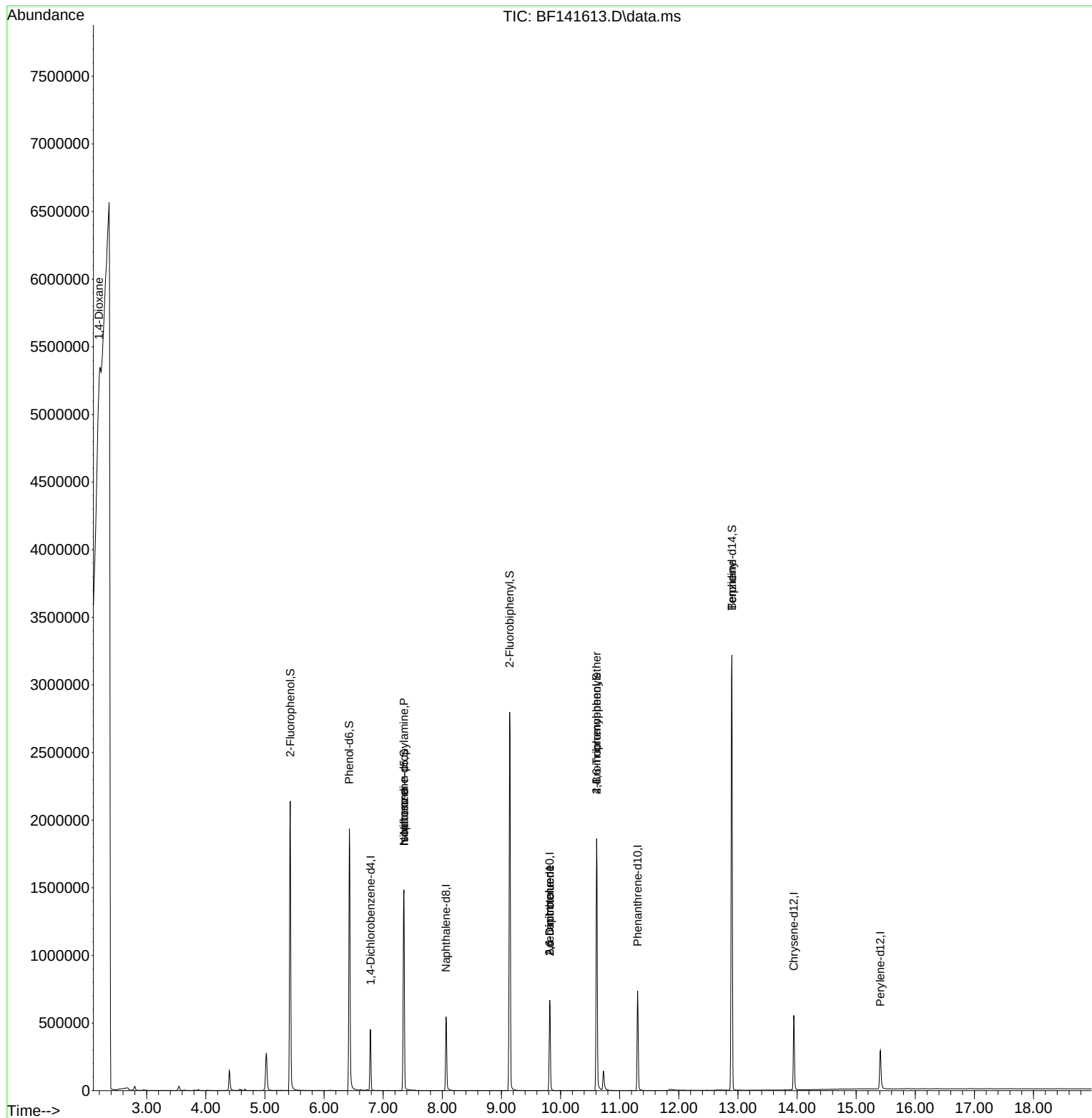
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	94484	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	379545	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	216593	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	389182	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	286074	20.000	ng	-0.02
86) Perylene-d12	15.410	264	183796	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	810393	134.466	ng	0.02
7) Phenol-d6	6.428	99	940945	123.527	ng	-0.01
23) Nitrobenzene-d5	7.351	82	711600	97.790	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	322378	148.167	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1348558	95.924	ng	-0.01
79) Terphenyl-d14	12.898	244	1709799	100.898	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.193	88	9867	4.068	ng	# 56
19) n-Nitroso-di-n-propyla...	7.351	70	96958	21.280	ng	# 73
25) Isophorone	7.351	82	702785	60.571	ng	# 66
51) 2,6-Dinitrotoluene	9.816	165	27242	8.475	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	27242	6.366	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	22254	5.116	ng	# 1
77) Benzidine	12.898	184	22495	3.565	ng	# 90

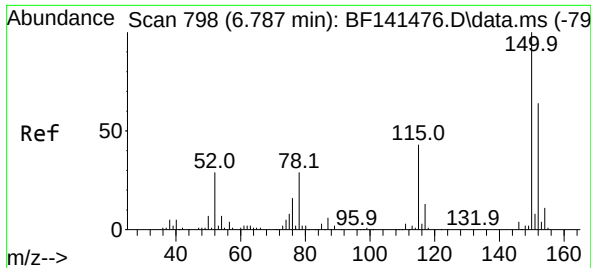
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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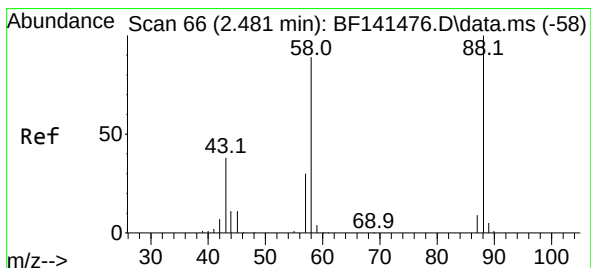
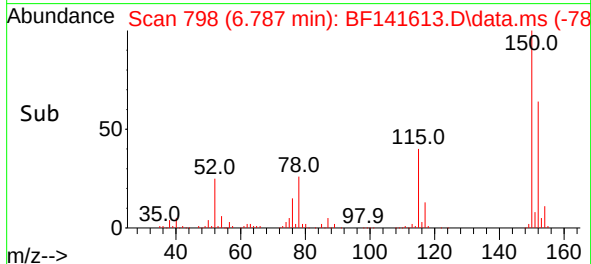
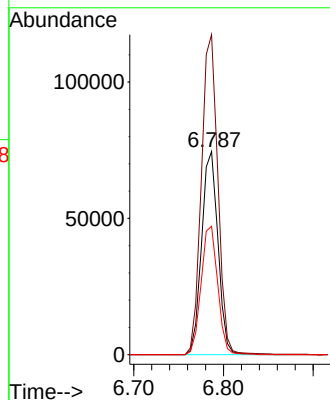
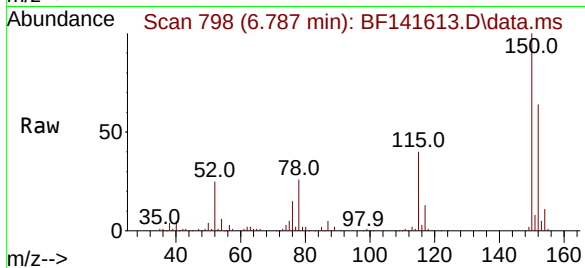




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF141613.D
 Acq: 13 Feb 2025 14:37

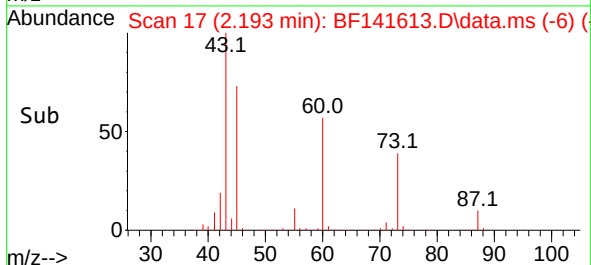
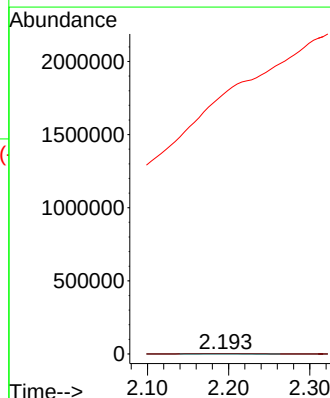
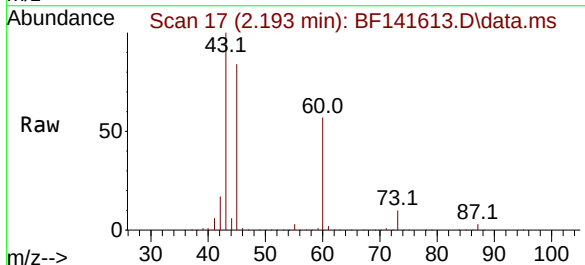
Instrument :
 BNA_F
 ClientSampleId :
 CARBON-SOLID

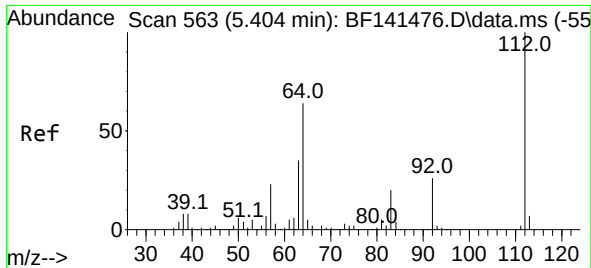
Tgt Ion:152 Resp: 94484
 Ion Ratio Lower Upper
 152 100
 150 157.5 125.0 187.4
 115 63.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 4.068 ng
 RT: 2.193 min Scan# 17
 Delta R.T. -0.288 min
 Lab File: BF141613.D
 Acq: 13 Feb 2025 14:37

Tgt Ion: 88 Resp: 9867
 Ion Ratio Lower Upper
 88 100
 58 55.3 71.1 106.7#
 43 0.0 30.6 46.0#

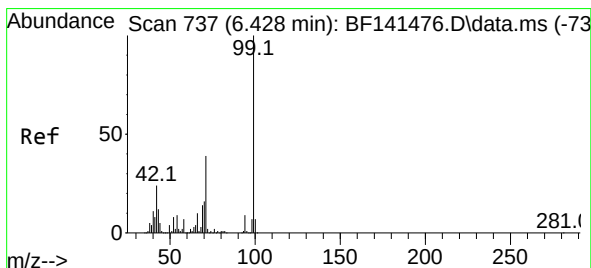
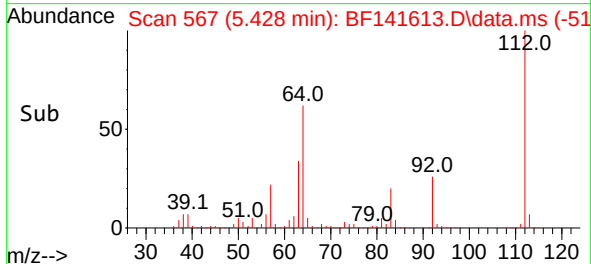
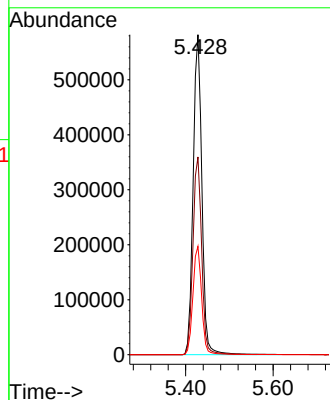
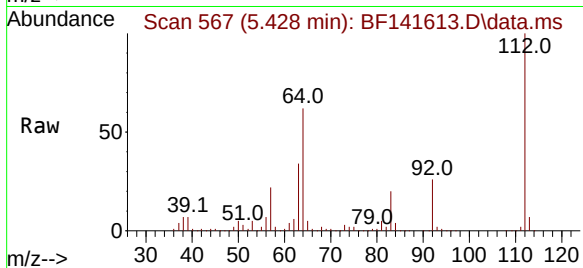




#5
2-Fluorophenol
Concen: 134.466 ng
RT: 5.428 min Scan# 509
Delta R.T. 0.018 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

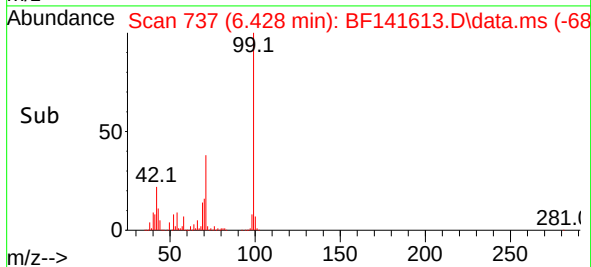
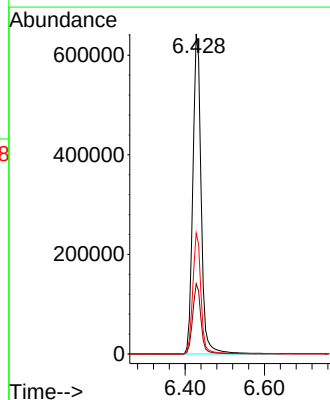
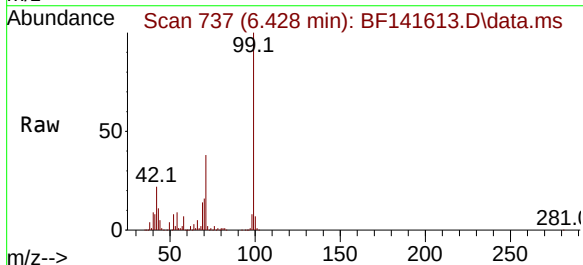
Instrument :
BNA_F
ClientSampleId :
CARBON-SOLID

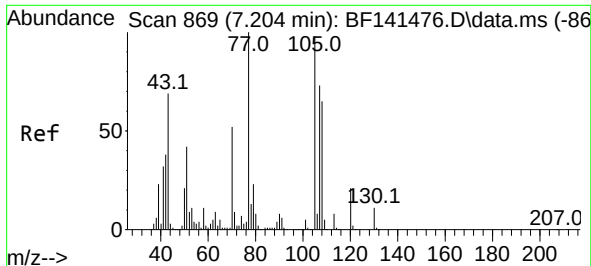
Tgt Ion:112 Resp: 810393
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 33.9 28.4 42.6



#7
Phenol-d6
Concen: 123.527 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

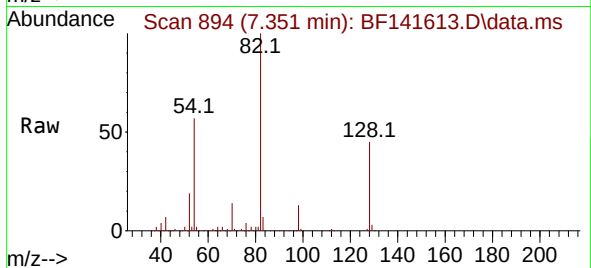
Tgt Ion: 99 Resp: 940945
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 37.8 31.1 46.7



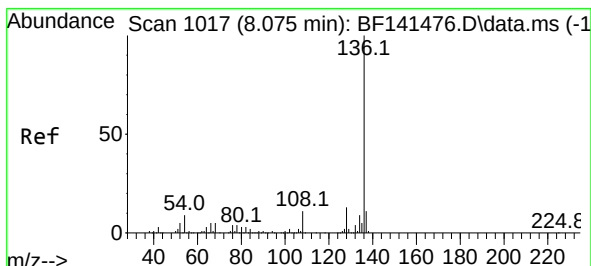
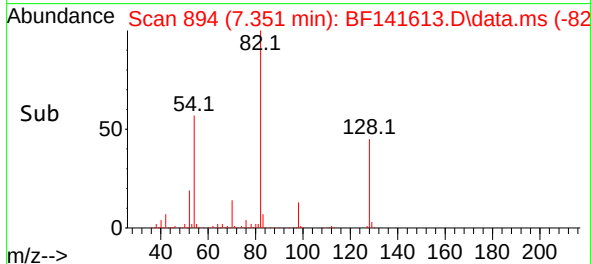
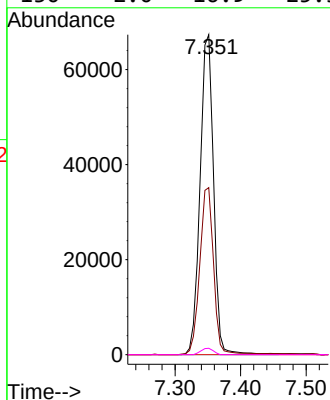


#19
n-Nitroso-di-n-propylamine
Concen: 21.280 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

Instrument :
BNA_F
ClientSampleId :
CARBON-SOLID

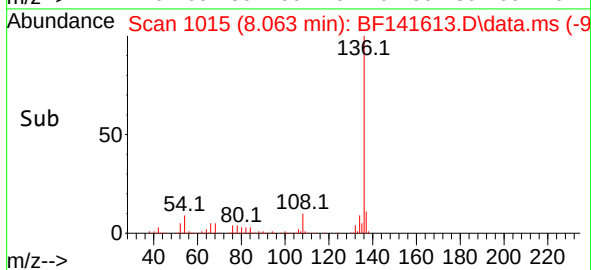
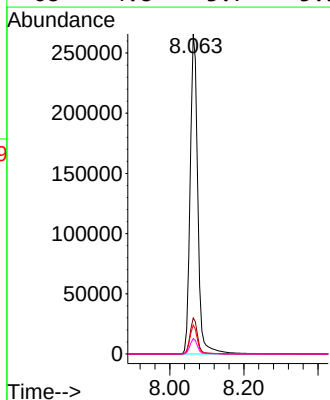
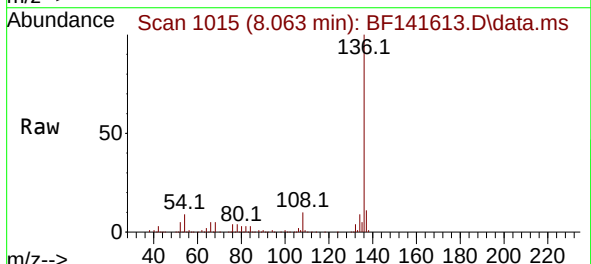


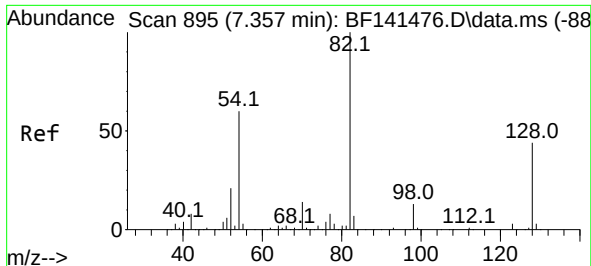
Tgt Ion: 70 Resp: 96958
Ion Ratio Lower Upper
70 100
42 52.2 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

Tgt Ion: 136 Resp: 379545
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.0 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 97.790 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141613.D

Acq: 13 Feb 2025 14:37

Instrument :

BNA_F

ClientSampleId :

CARBON-SOLID

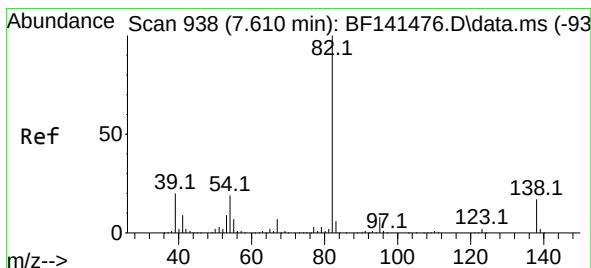
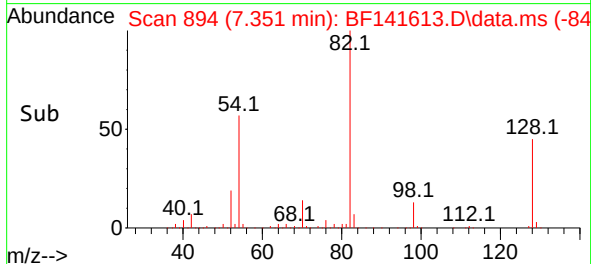
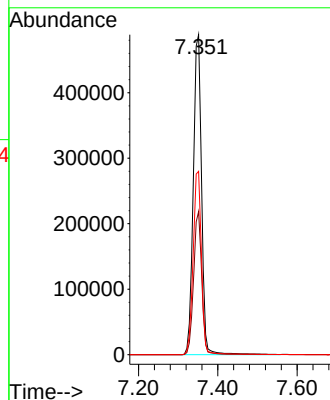
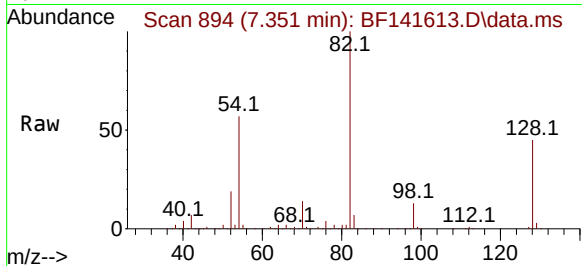
Tgt Ion: 82 Resp: 711600

Ion Ratio Lower Upper

82 100

128 44.7 34.8 52.2

54 57.3 48.2 72.4



#25

Isophorone

Concen: 60.571 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF141613.D

Acq: 13 Feb 2025 14:37

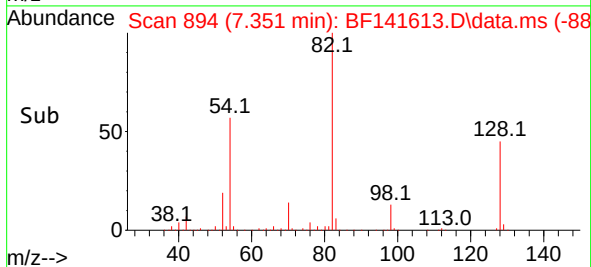
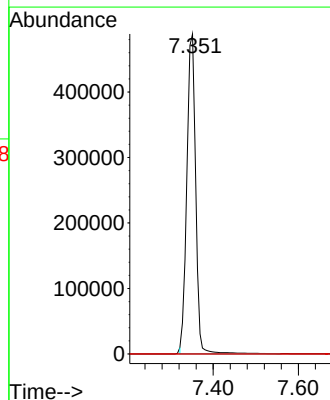
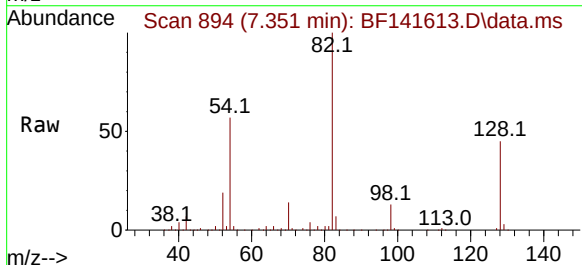
Tgt Ion: 82 Resp: 702785

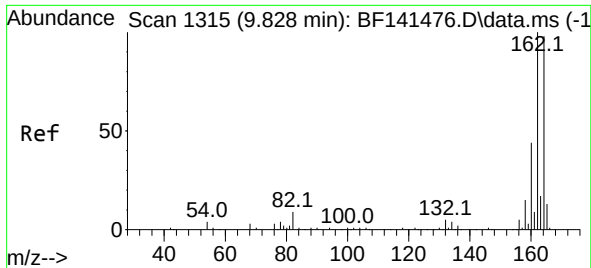
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

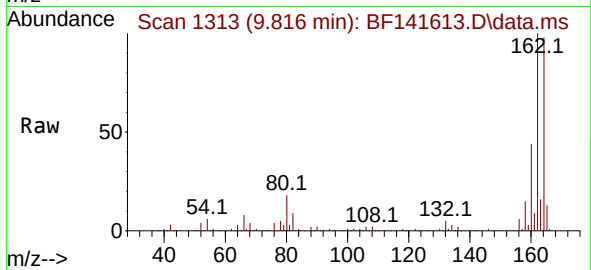
138 0.0 13.9 20.9#



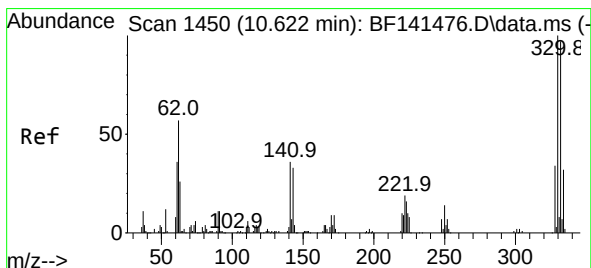
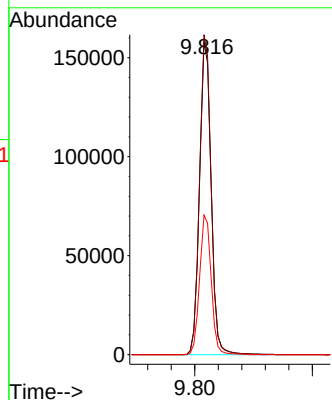
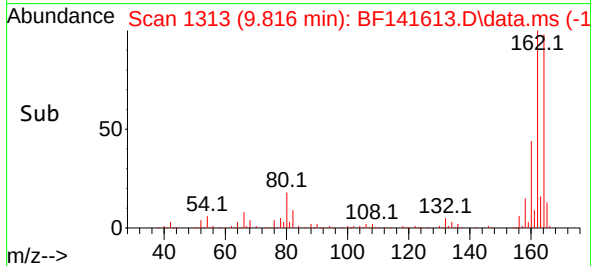


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

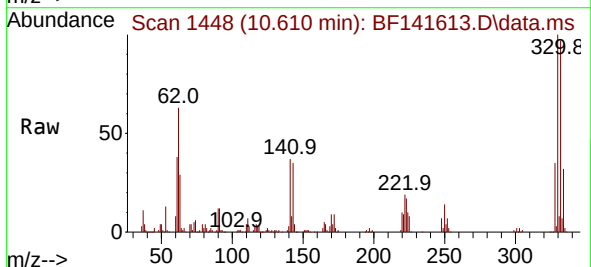
Instrument :
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CARBON-SOLID



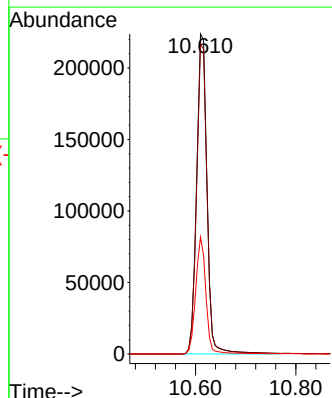
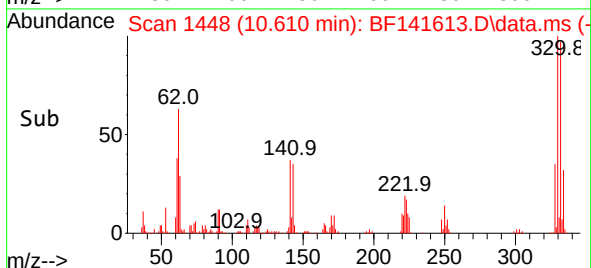
Tgt Ion:164 Resp: 216593
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 44.6 35.9 53.9

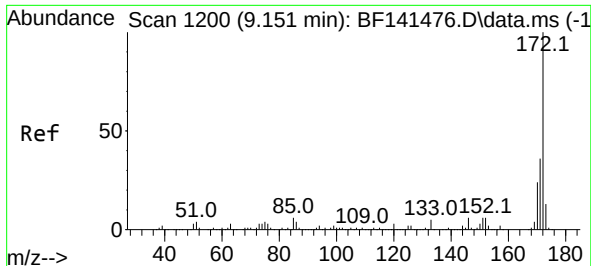


#42
2,4,6-Tribromophenol
Concen: 148.167 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37



Tgt Ion:330 Resp: 322378
Ion Ratio Lower Upper
330 100
332 97.6 78.5 117.7
141 35.7 31.0 46.4

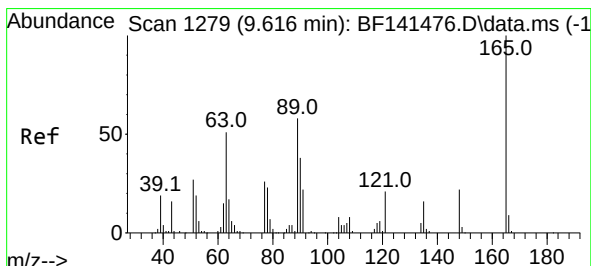
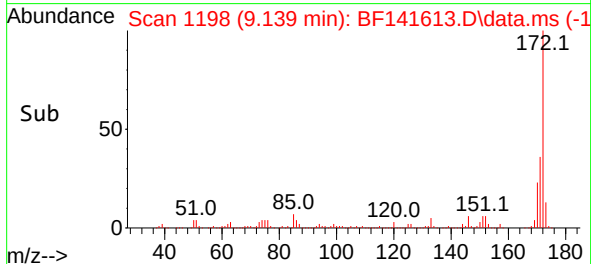
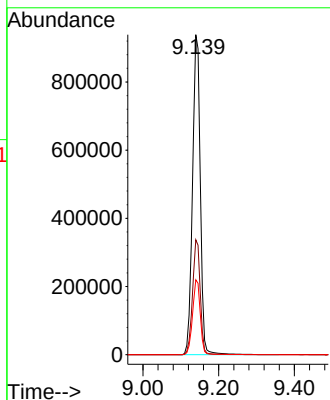
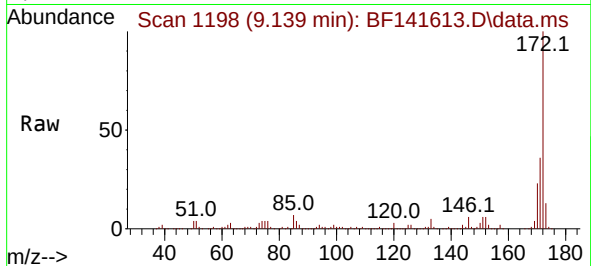




#45
2-Fluorobiphenyl
Concen: 95.924 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

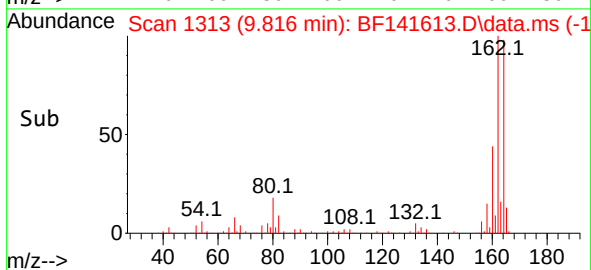
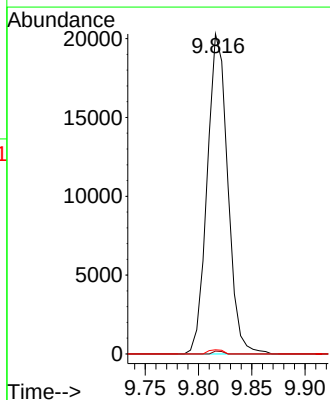
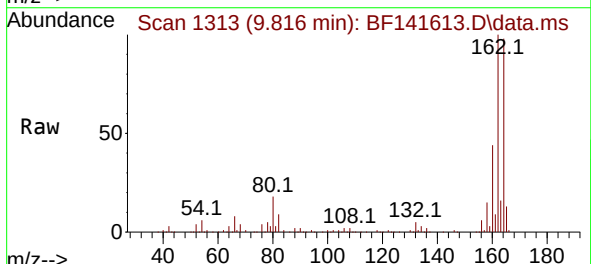
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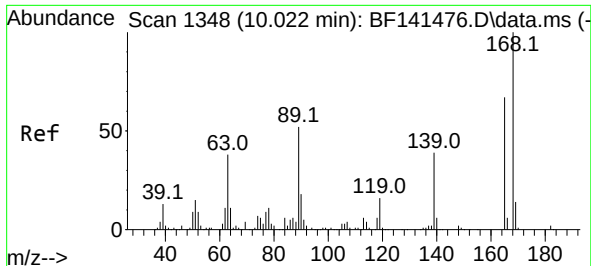
Tgt Ion:172 Resp: 1348558
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.4 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.475 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

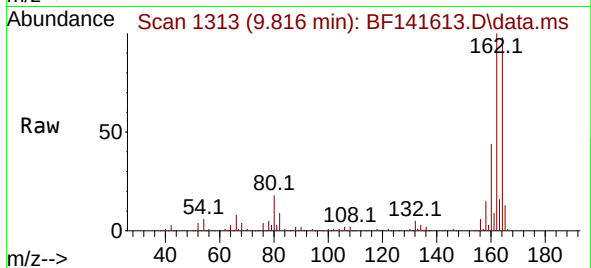
Tgt Ion:165 Resp: 27242
Ion Ratio Lower Upper
165 100
63 0.9 49.4 74.0#
89 1.3 46.5 69.7#



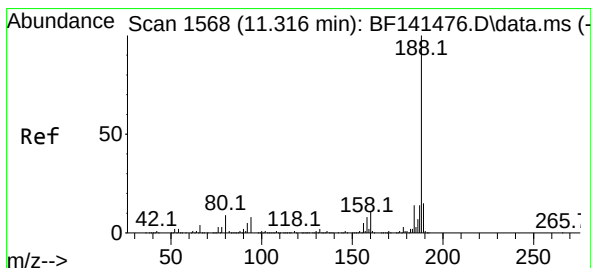
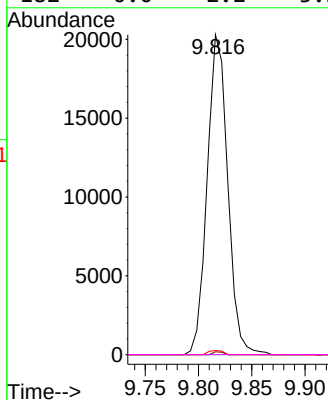
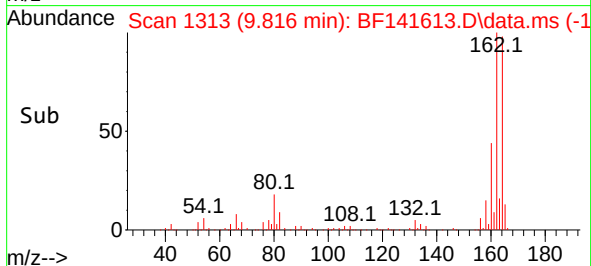


#57
2,4-Dinitrotoluene
Concen: 6.366 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.212 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

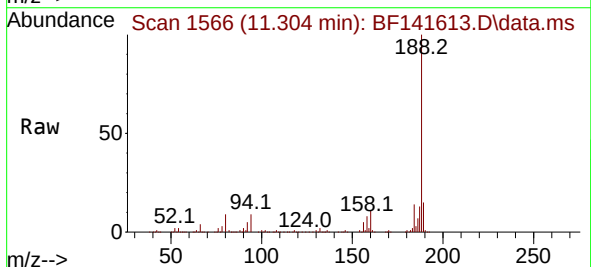
Instrument :
BNA_F
ClientSampleId :
CARBON-SOLID



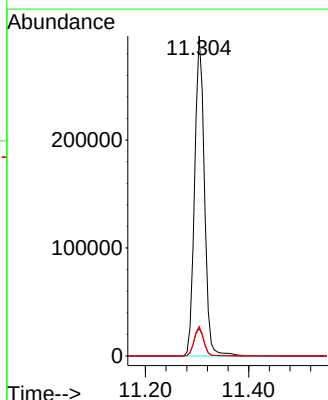
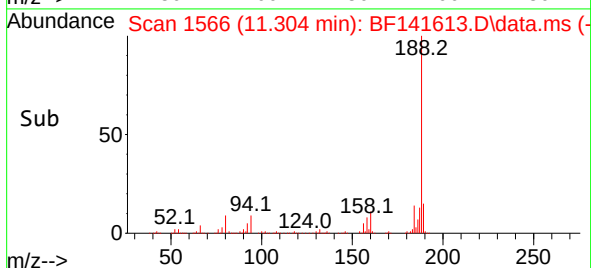
Tgt Ion:	165	Resp:	27242
Ion Ratio	Lower	Upper	
165	100		
63	0.9	46.4	69.6#
89	1.3	61.8	92.6#
182	0.0	2.2	3.2#

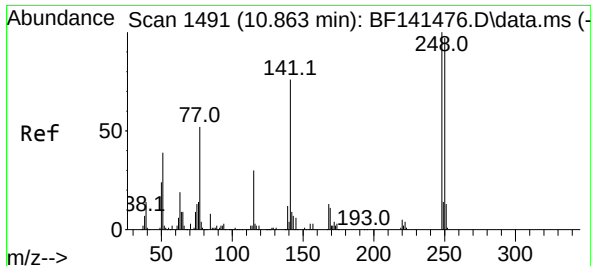


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37



Tgt Ion:	188	Resp:	389182
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9

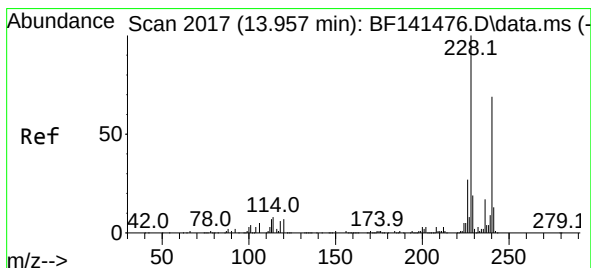
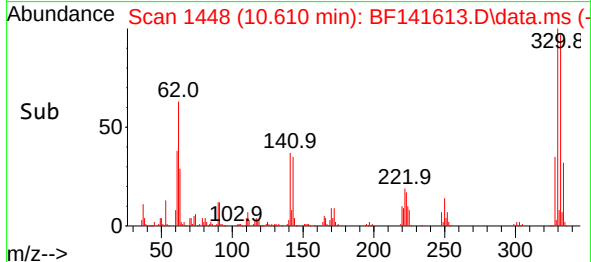
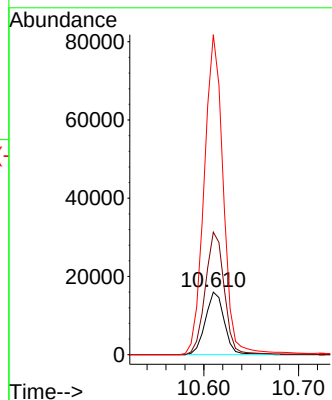
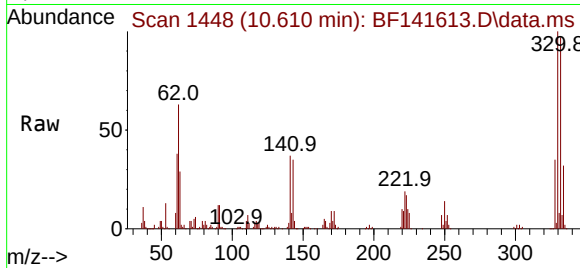




#67
4-Bromophenyl-phenylether
Concen: 5.116 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

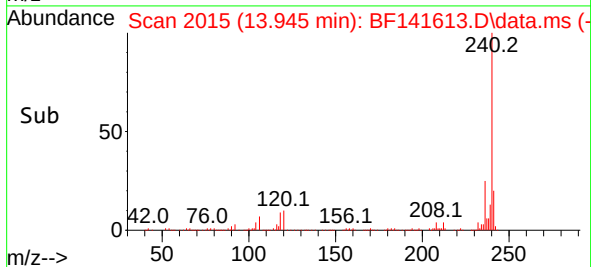
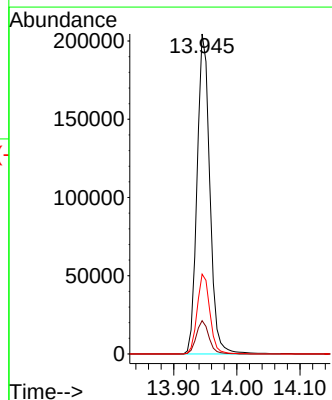
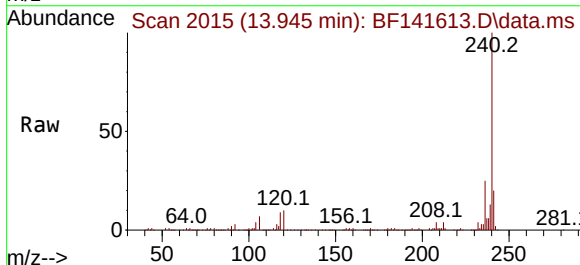
Instrument :
BNA_F
ClientSampleId :
CARBON-SOLID

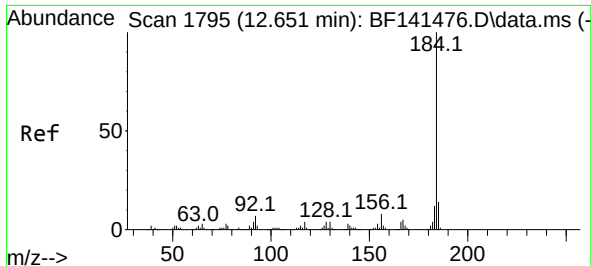
Tgt Ion:248 Resp: 22254
Ion Ratio Lower Upper
248 100
250 196.1 77.8 116.6#
141 511.9 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

Tgt Ion:240 Resp: 286074
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 24.9 19.8 29.8

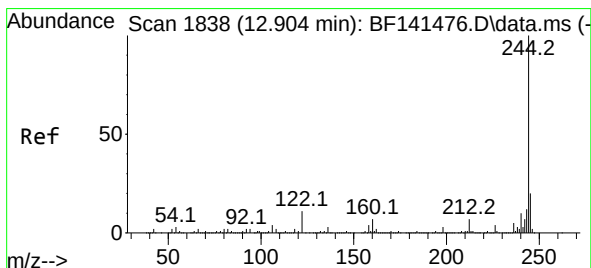
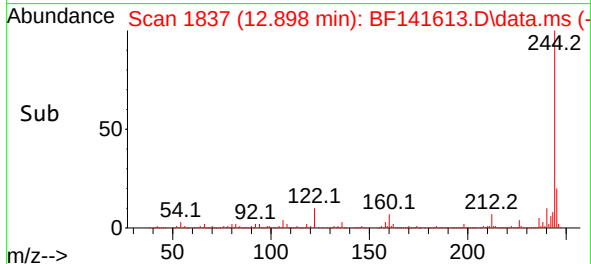
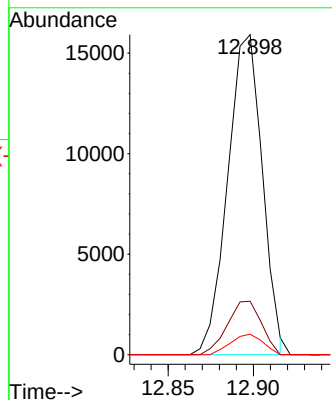
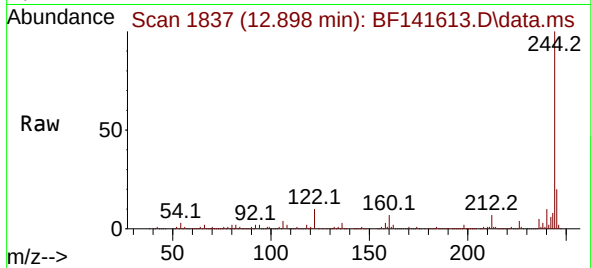




#77
Benzidine
Concen: 3.565 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.241 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

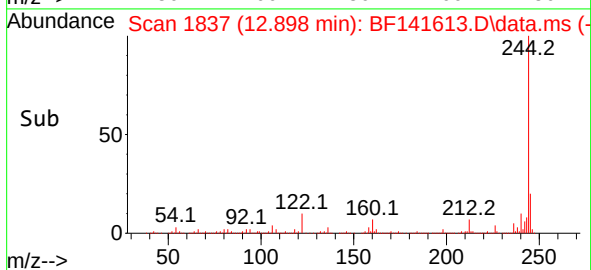
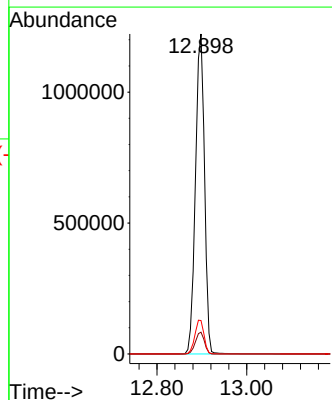
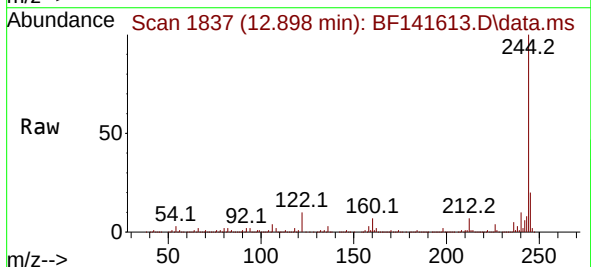
Instrument :
BNA_F
ClientSampleId :
CARBON-SOLID

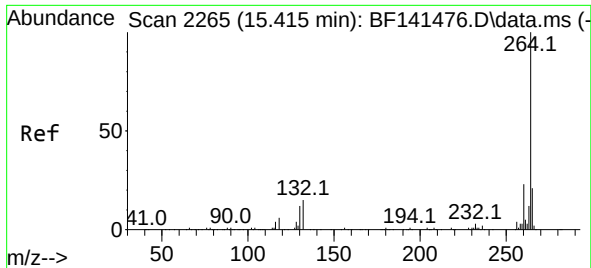
Tgt Ion:184 Resp: 22495
Ion Ratio Lower Upper
184 100
185 16.7 11.3 16.9
183 6.4 9.3 13.9#



#79
Terphenyl-d14
Concen: 100.898 ng
RT: 12.898 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF141613.D
Acq: 13 Feb 2025 14:37

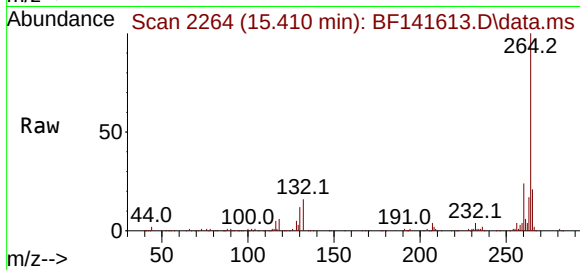
Tgt Ion:244 Resp: 1709799
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.5 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141613.D
 Acq: 13 Feb 2025 14:37

Instrument :
 BNA_F
 ClientSampleId :
 CARBON-SOLID



Tgt Ion:264 Resp: 183796
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 28.0
 265 20.8 17.0 25.4

