

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141761.D
 Acq On : 25 Feb 2025 13:37
 Operator : RC/JU
 Sample : Q1421-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01

Quant Time: Feb 25 13:58:34 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)

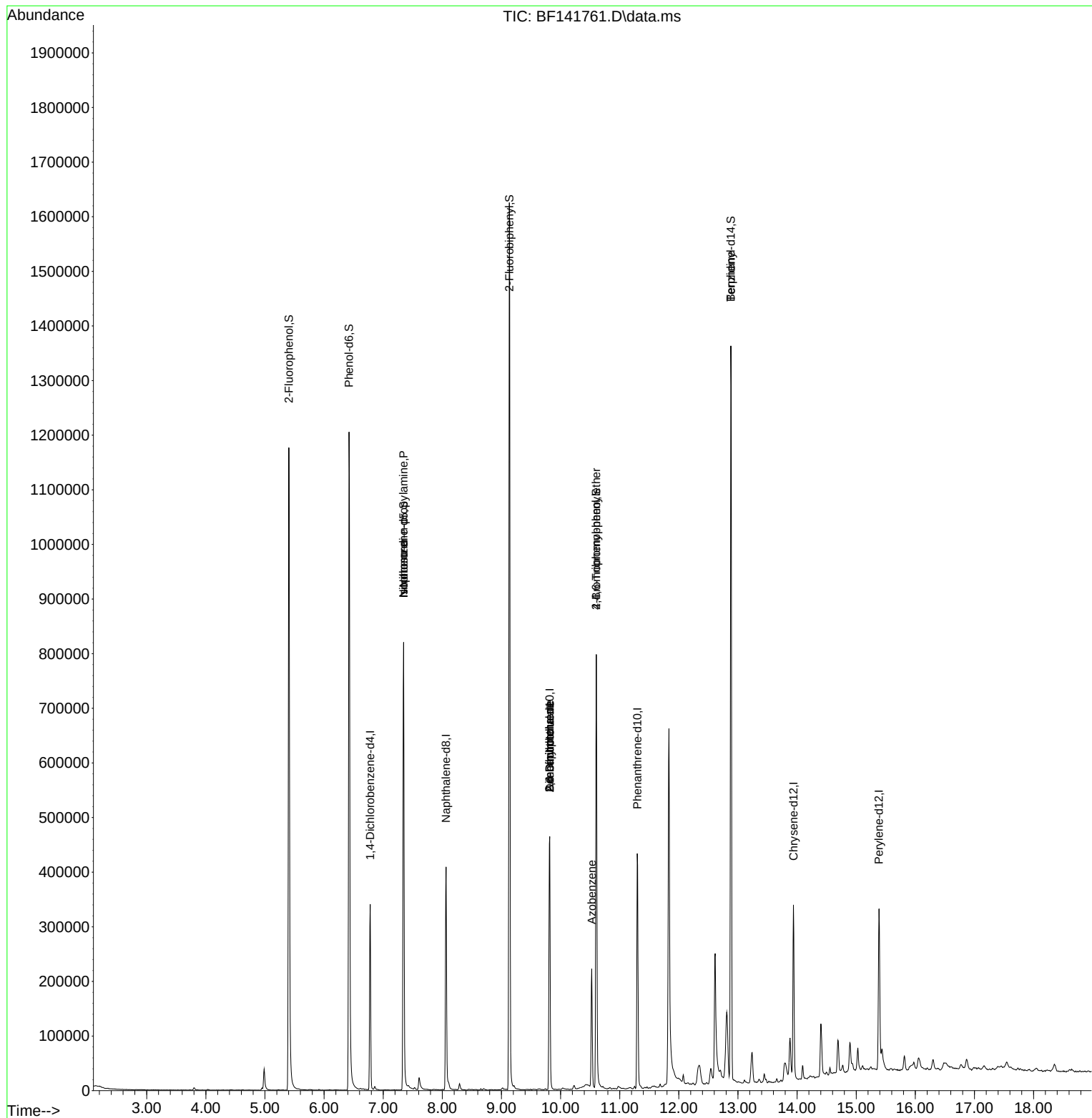
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	70937	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	285987	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	150521	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	242744	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	169101	20.000	ng	-0.02
86) Perylene-d12	15.386	264	177274	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	481576	106.431	ng	0.00
7) Phenol-d6	6.422	99	601806	105.230	ng	-0.02
23) Nitrobenzene-d5	7.345	82	378736	69.074	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	134680	89.071	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	734402	75.169	ng	-0.02
79) Terphenyl-d14	12.880	244	677916	67.678	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	49636	14.510	ng	# 73
25) Isophorone	7.345	82	370513	42.380	ng	# 66
50) Dimethylphthalate	9.816	163	22503	2.202	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	19636	8.790	ng	# 21
57) 2,4-Dinitrotoluene	9.816	165	19636	6.603	ng	# 18
63) Azobenzene	10.527	77	52713	5.274	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	9055	3.338	ng	# 1
77) Benzidine	12.880	184	8824	2.366	ng	# 90

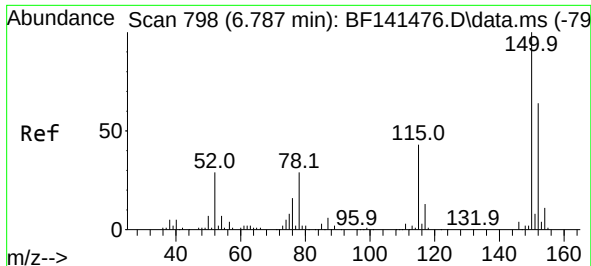
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

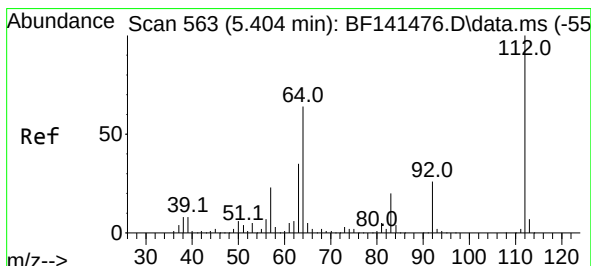
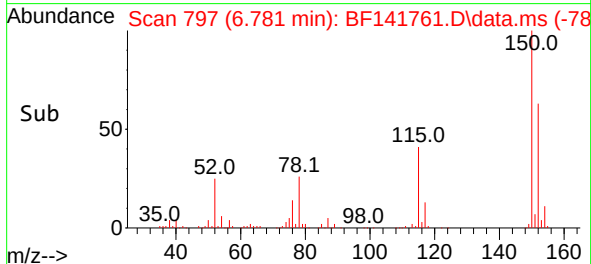
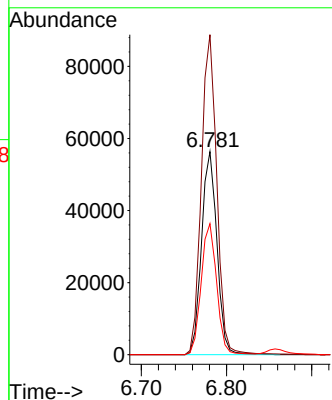
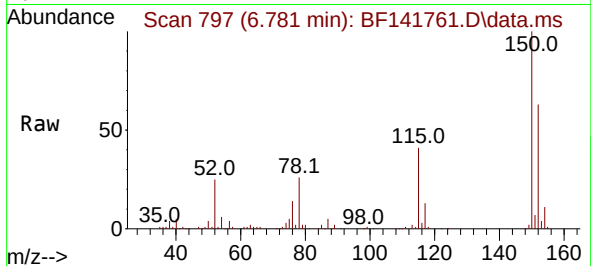




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

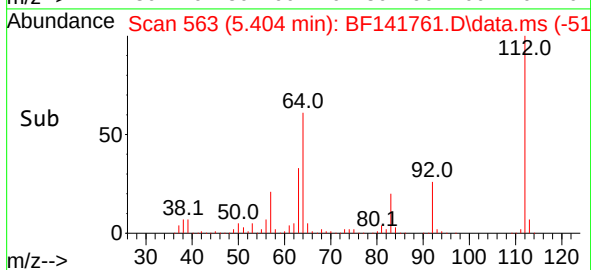
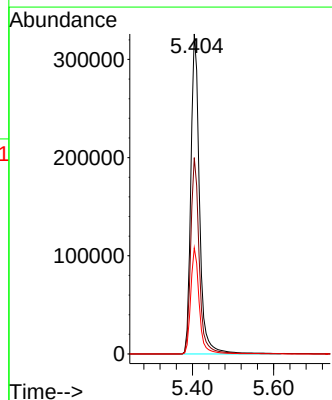
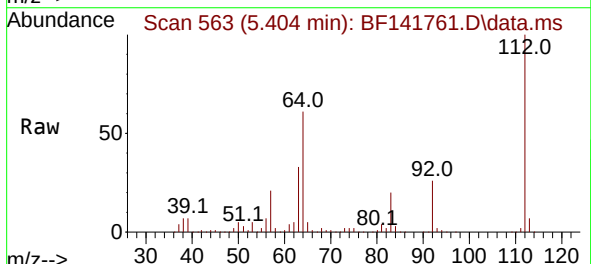
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

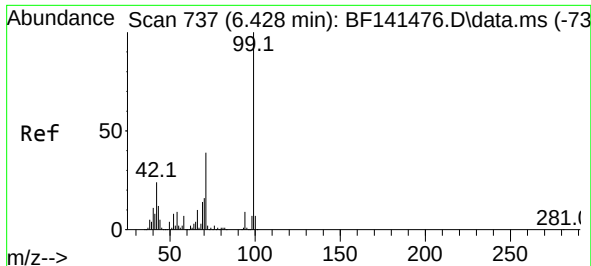
Tgt Ion:152 Resp: 70937
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 64.5 53.6 80.4



#5
2-Fluorophenol
Concen: 106.431 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:112 Resp: 481576
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 33.2 28.4 42.6

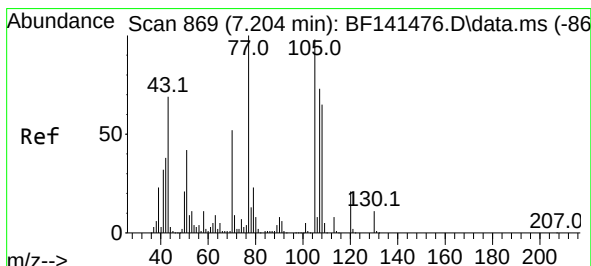
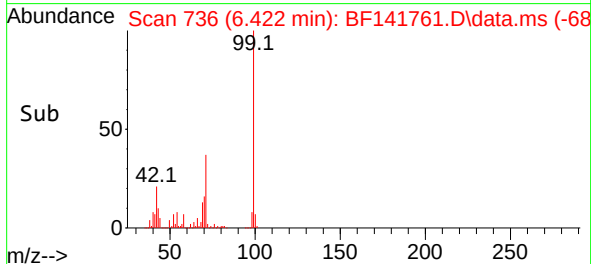
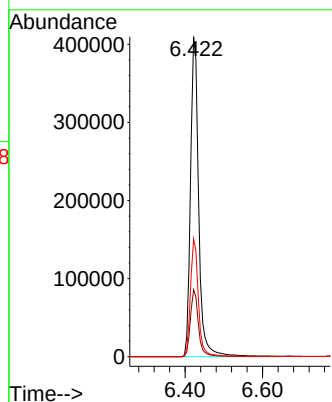
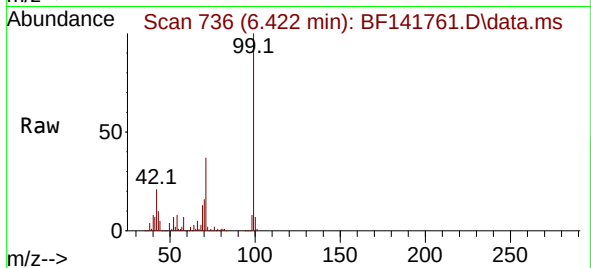




#7
Phenol-d6
Concen: 105.230 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

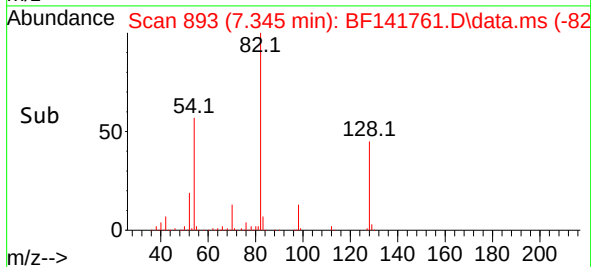
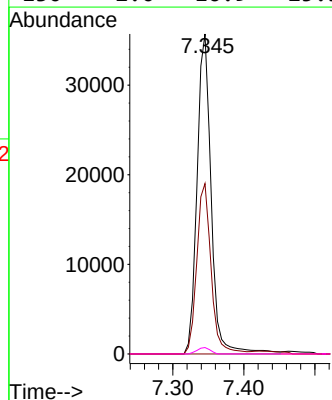
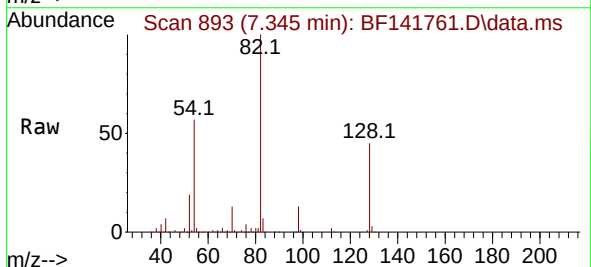
Instrument :
BNA_F
ClientSampleId :
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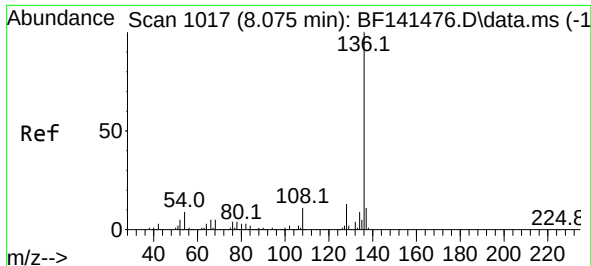
Tgt Ion: 99 Resp: 601806
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 36.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.510 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion: 70 Resp: 49636
Ion Ratio Lower Upper
70 100
42 53.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

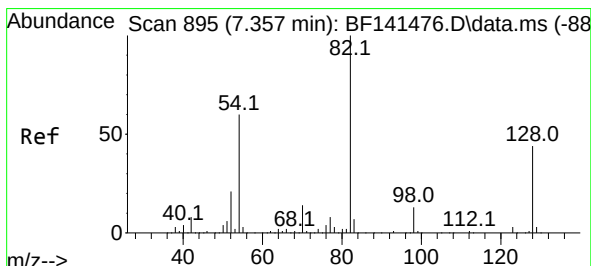
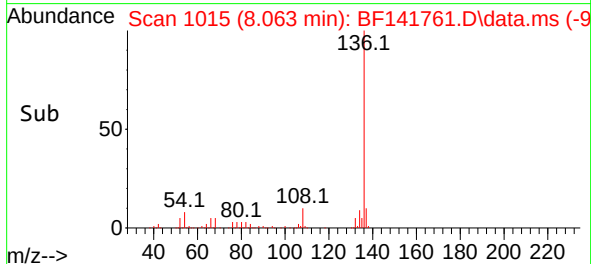
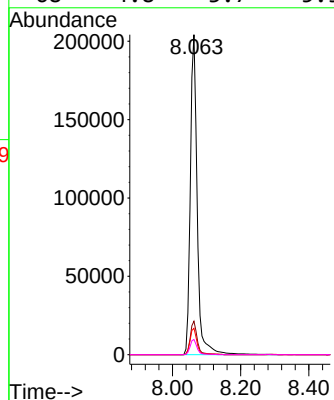
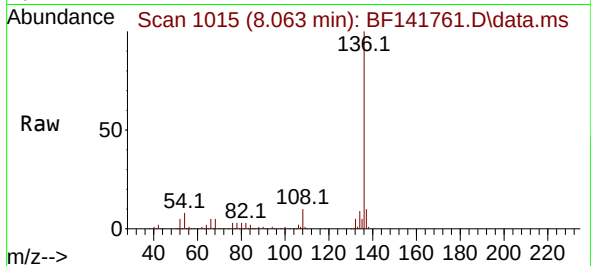




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

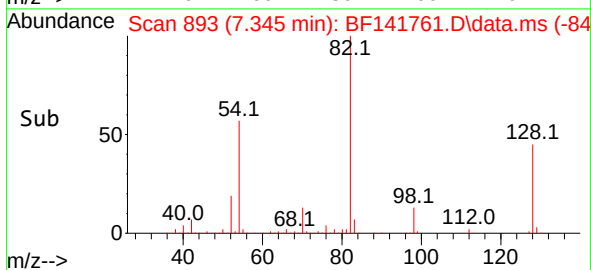
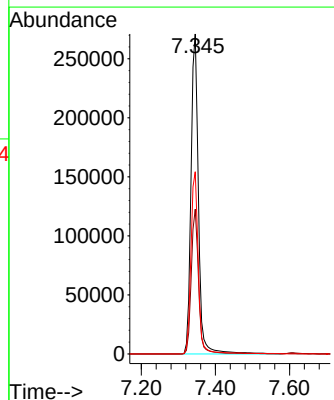
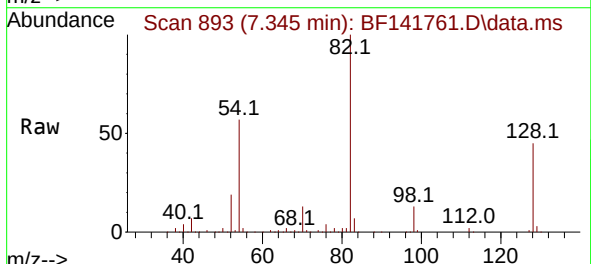
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

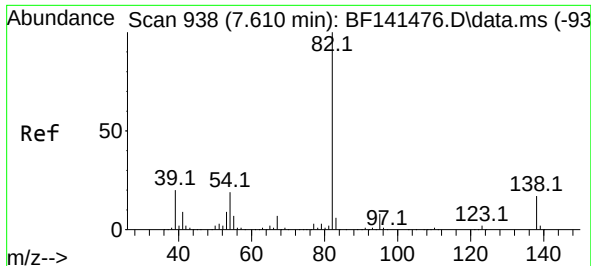
Tgt Ion:	136	Resp:	285987
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.2	7.2	10.8
68	4.8	3.7	5.5



#23
Nitrobenzene-d5
Concen: 69.074 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:	82	Resp:	378736
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.8	52.2
54	56.9	48.2	72.4

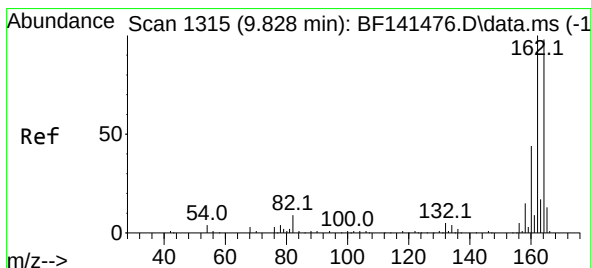
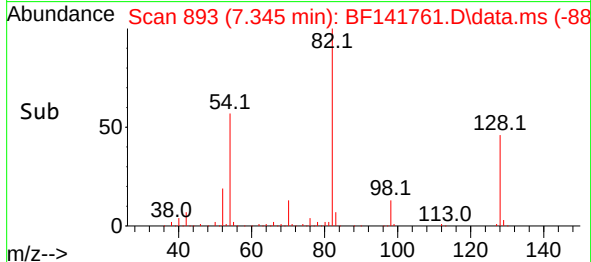
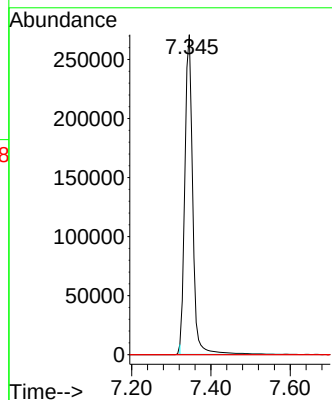
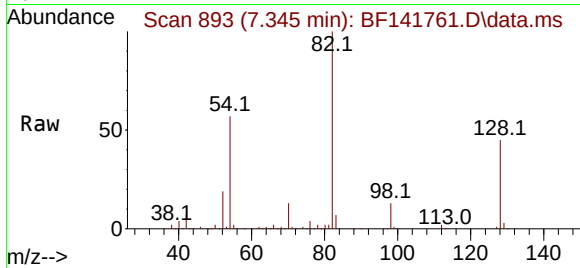




#25
Isophorone
Concen: 42.380 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

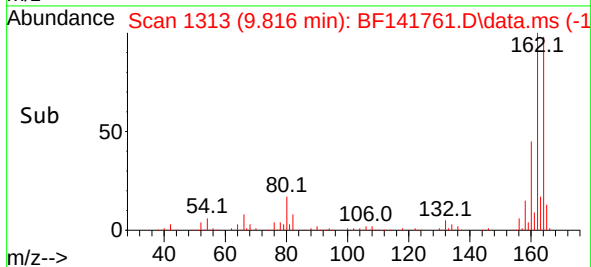
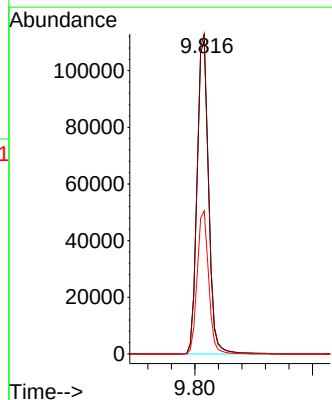
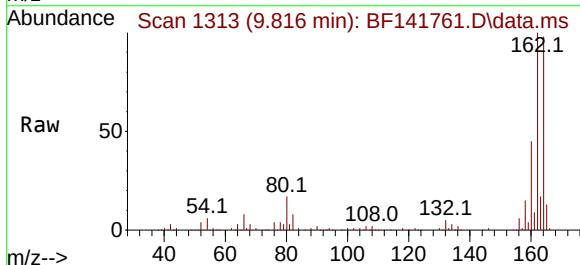
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

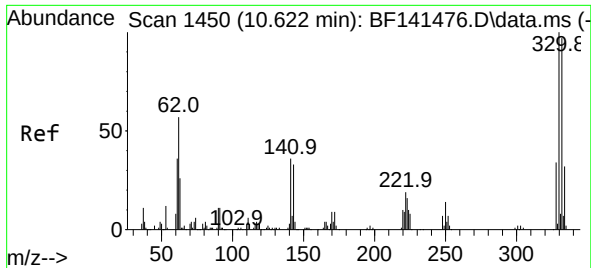
Tgt Ion: 82 Resp: 370513
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion:164 Resp: 150521
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 45.7 35.9 53.9

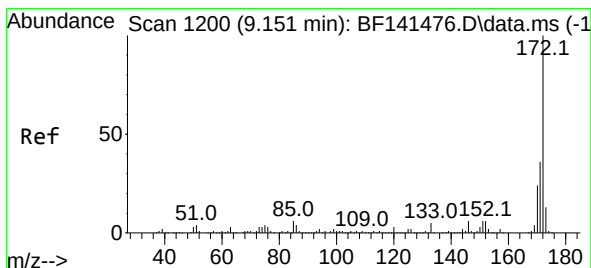
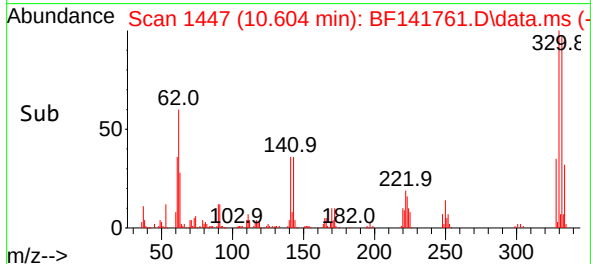
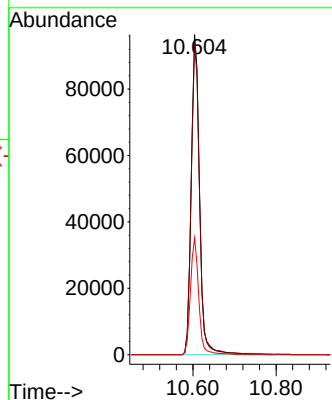
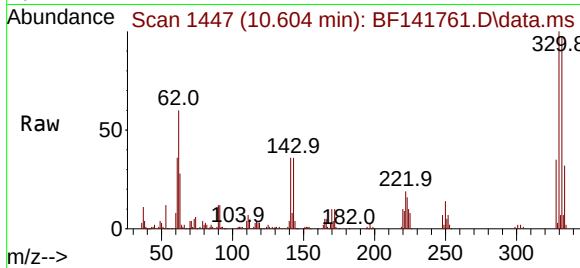




#42
 2,4,6-Tribromophenol
 Concen: 89.071 ng
 RT: 10.604 min Scan# 1447
 Delta R.T. -0.024 min
 Lab File: BF141761.D
 Acq: 25 Feb 2025 13:37

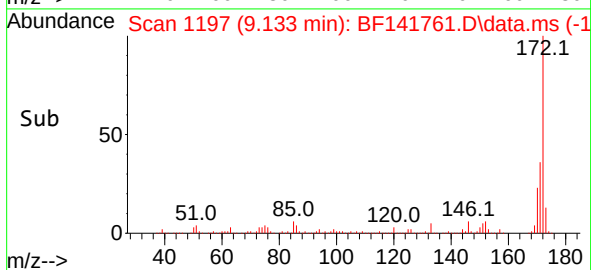
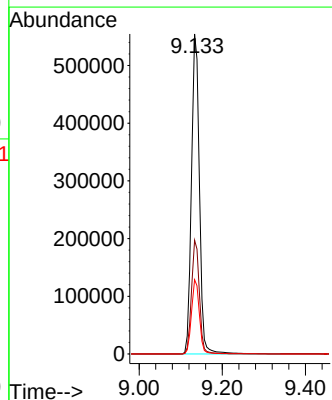
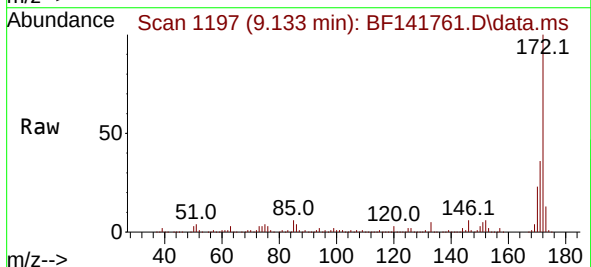
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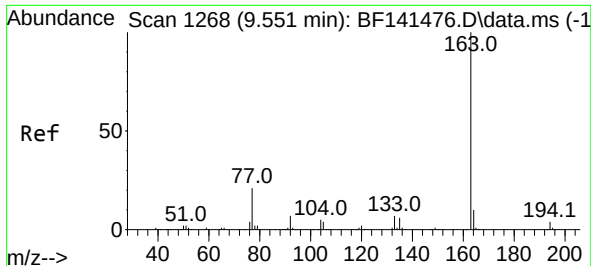
Tgt Ion: 330 Resp: 134680
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.5 117.7
 141 35.9 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 75.169 ng
 RT: 9.133 min Scan# 1197
 Delta R.T. -0.018 min
 Lab File: BF141761.D
 Acq: 25 Feb 2025 13:37

Tgt Ion: 172 Resp: 734402
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.7 43.1
 170 23.2 18.9 28.3

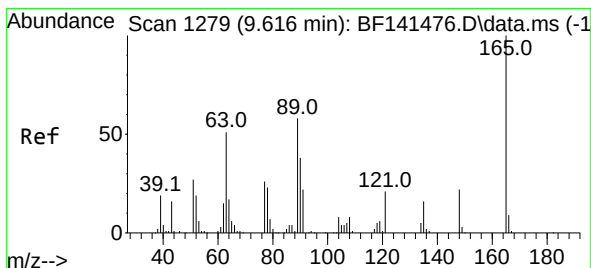
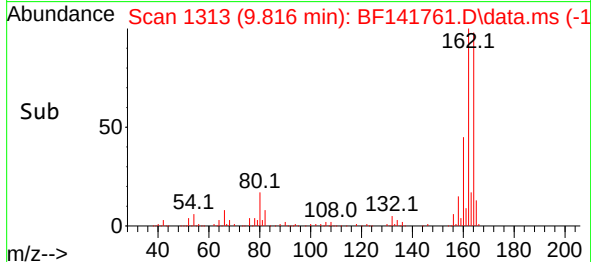
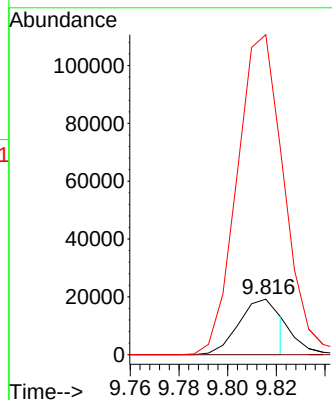
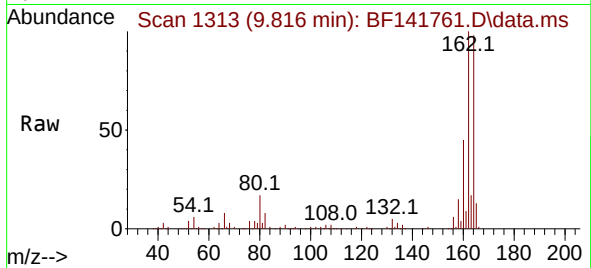




#50
Dimethylphthalate
Concen: 2.202 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

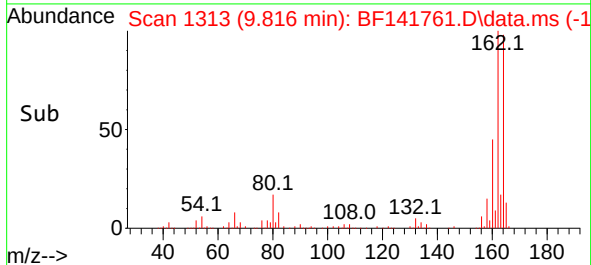
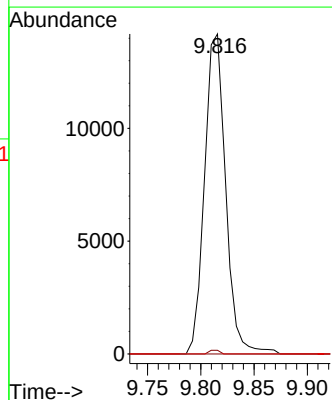
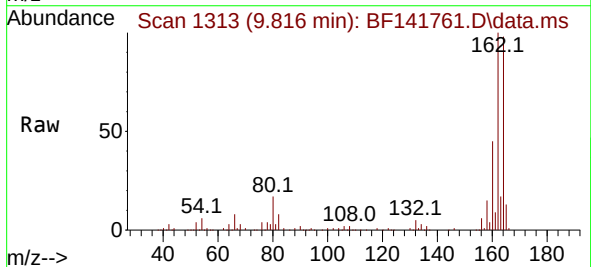
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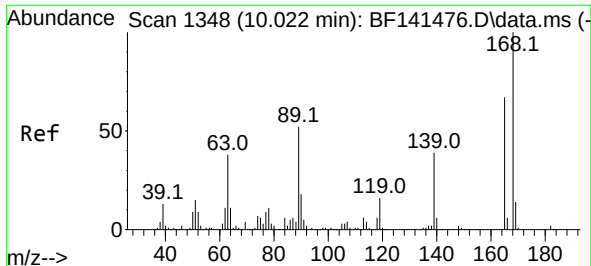
Tgt Ion:163 Resp: 22503
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 577.1 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.790 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

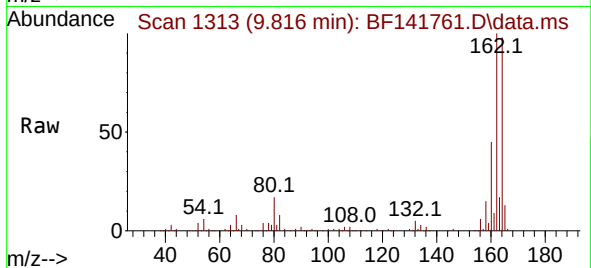
Tgt Ion:165 Resp: 19636
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 0.0 46.5 69.7#



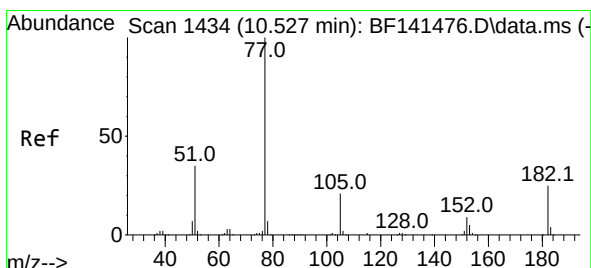
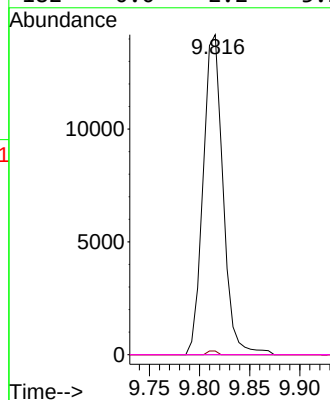
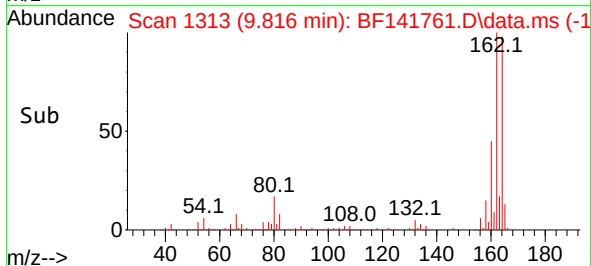


#57
2,4-Dinitrotoluene
Concen: 6.603 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

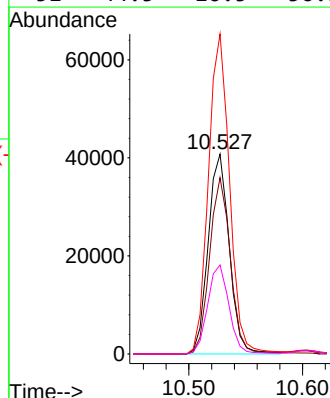
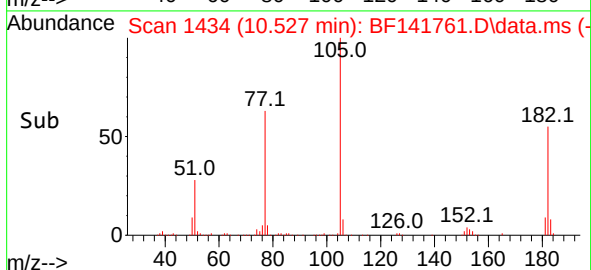
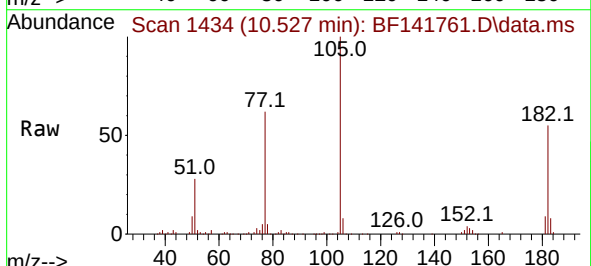


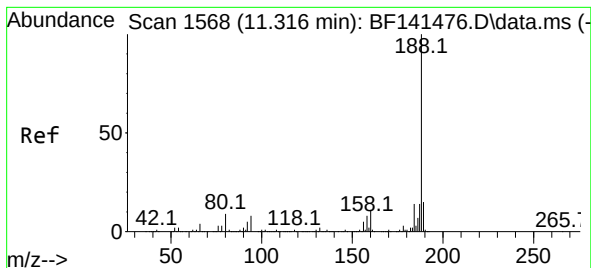
Tgt Ion:165 Resp: 19636
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 0.0 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.274 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

Tgt Ion: 77 Resp: 52713
Ion Ratio Lower Upper
77 100
182 88.2 4.7 44.7#
105 160.2 0.4 40.4#
51 44.5 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141761.D

Acq: 25 Feb 2025 13:37

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-01

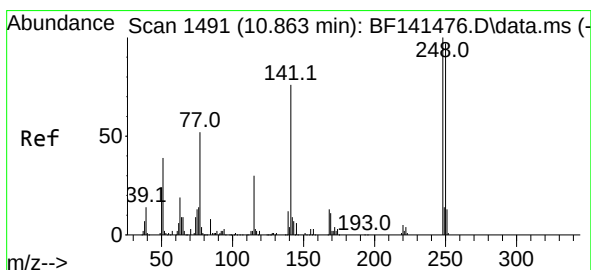
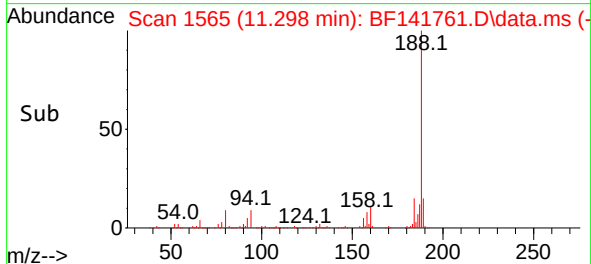
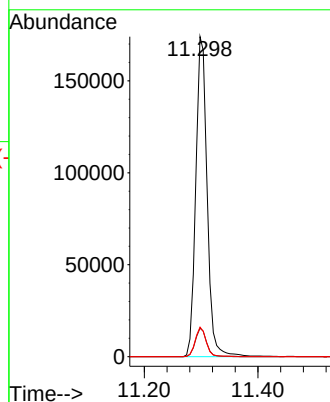
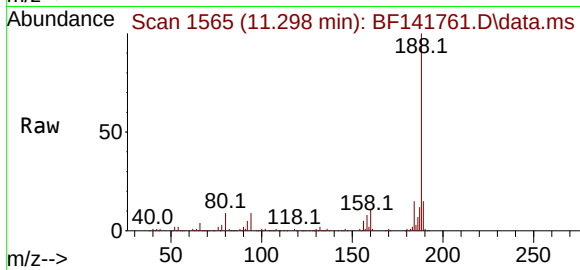
Tgt Ion:188 Resp: 242744

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.338 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141761.D

Acq: 25 Feb 2025 13:37

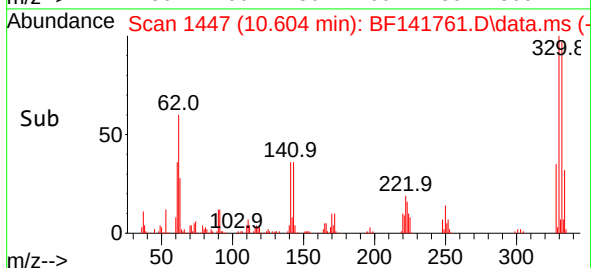
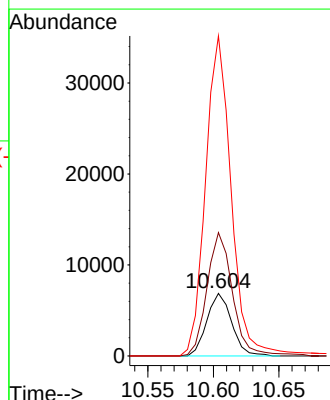
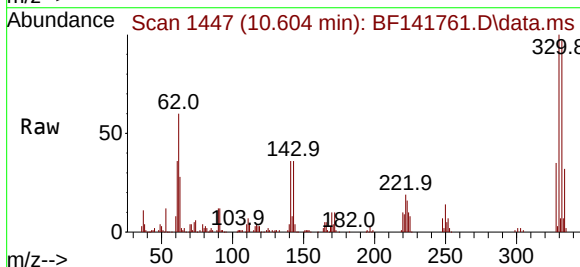
Tgt Ion:248 Resp: 9055

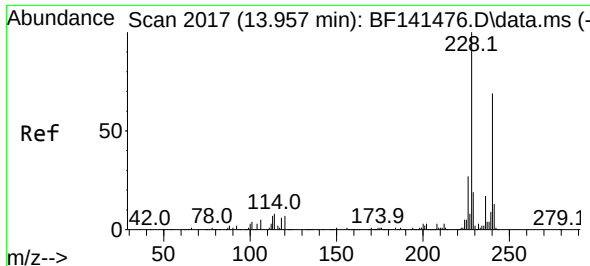
Ion Ratio Lower Upper

248 100

250 197.1 77.8 116.6#

141 511.4 60.6 90.8#

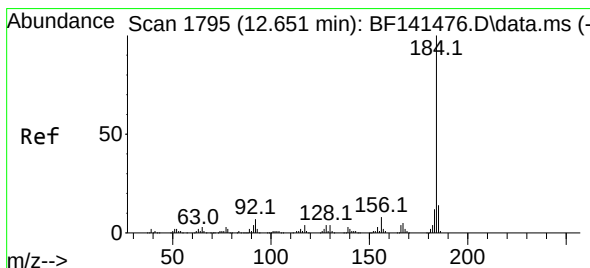
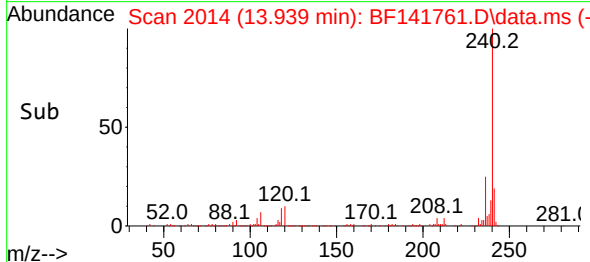
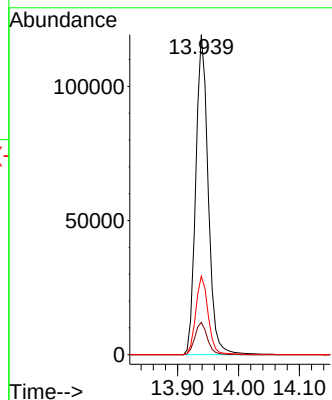
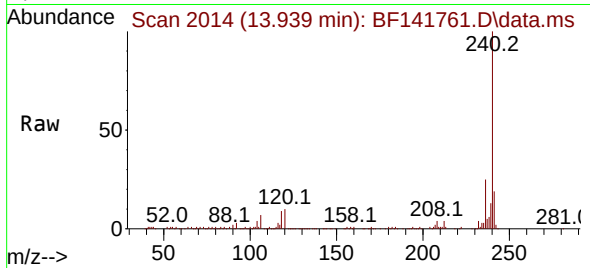




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2017
Delta R.T. -0.024 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

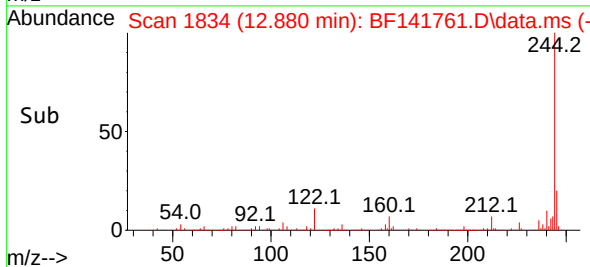
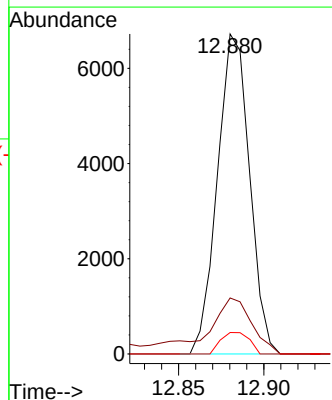
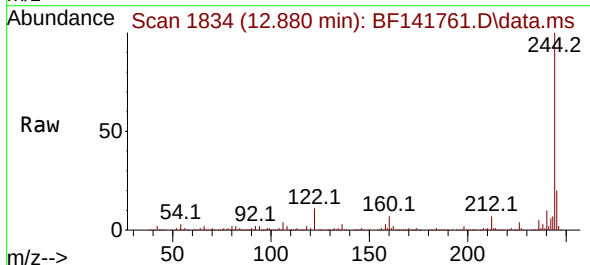
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-01

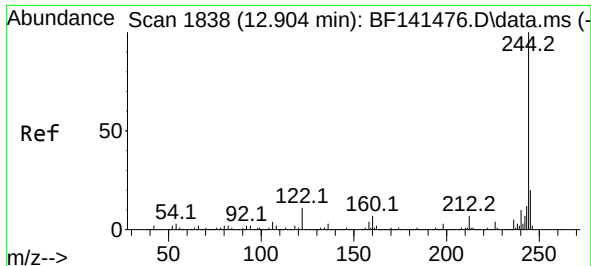
Tgt Ion:240 Resp: 169101
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 24.5 19.8 29.8



#77
Benzidine
Concen: 2.366 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.223 min
Lab File: BF141761.D
Acq: 25 Feb 2025 13:37

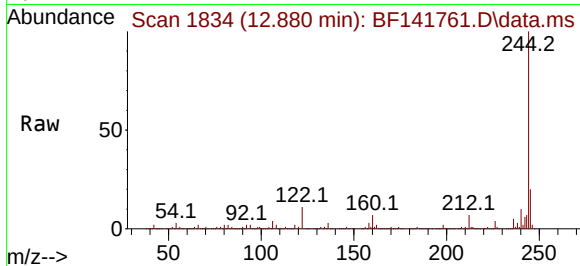
Tgt Ion:184 Resp: 8824
Ion Ratio Lower Upper
184 100
185 17.5 11.3 16.9#
183 6.7 9.3 13.9#



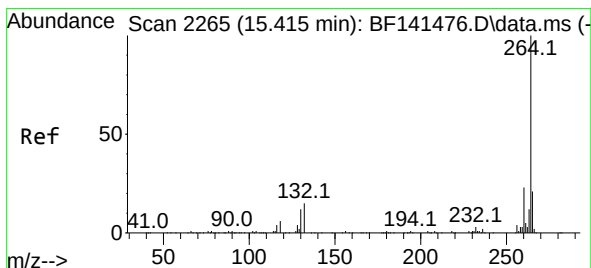
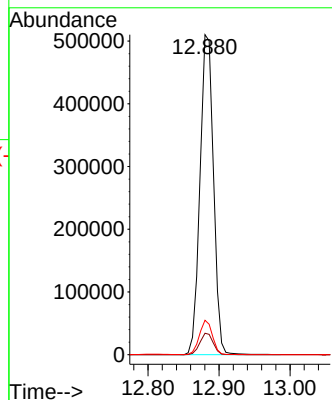
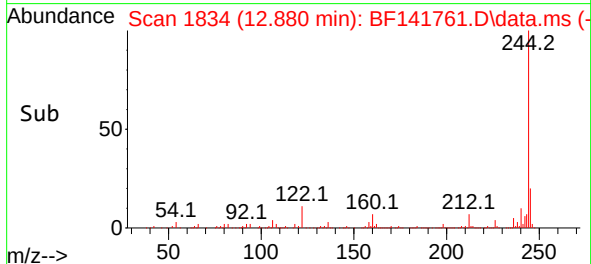


#79
 Terphenyl-d14
 Concen: 67.678 ng
 RT: 12.880 min Scan# 1834
 Delta R.T. -0.024 min
 Lab File: BF141761.D
 Acq: 25 Feb 2025 13:37

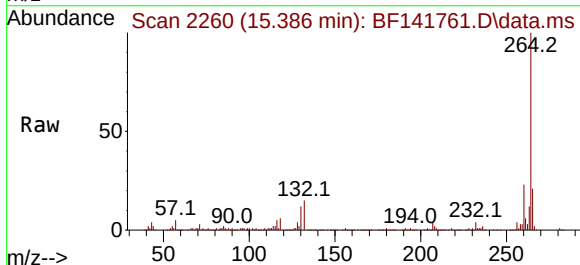
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-01



Tgt Ion:244 Resp: 677916
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.8 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2260
 Delta R.T. -0.029 min
 Lab File: BF141761.D
 Acq: 25 Feb 2025 13:37



Tgt Ion:264 Resp: 177274
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 20.9 17.0 25.4

