

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141764.D
 Acq On : 25 Feb 2025 15:06
 Operator : RC/JU
 Sample : Q1421-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-02

Quant Time: Feb 25 15:25:52 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)

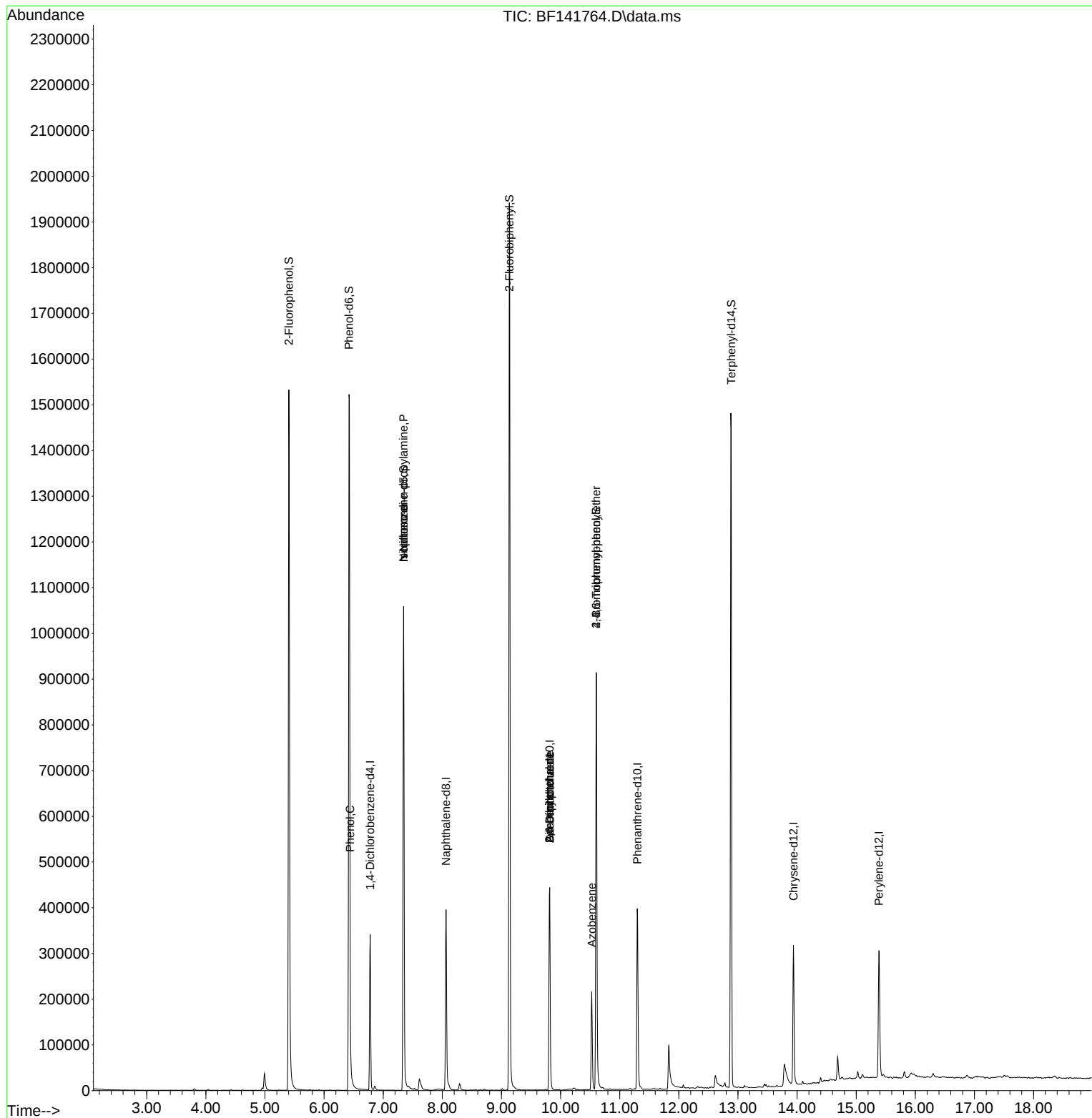
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71356	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	280947	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	149058	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	236469	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	160844	20.000	ng	-0.02
86) Perylene-d12	15.386	264	174752	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	616588	135.469	ng	0.00
7) Phenol-d6	6.422	99	764563	132.904	ng	-0.02
23) Nitrobenzene-d5	7.345	82	489046	90.792	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	159578	106.573	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	898126	92.829	ng	-0.02
79) Terphenyl-d14	12.886	244	756423	79.392	ng	-0.02
Target Compounds						
						Qvalue
10) Phenol	6.439	94	14286	2.386	ng	# 72
19) n-Nitroso-di-n-propyla...	7.345	70	65117	18.924	ng	# 72
25) Isophorone	7.345	82	480096	55.900	ng	# 66
50) Dimethylphthalate	9.816	163	22452	2.219	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	19010	8.594	ng	# 21
57) 2,4-Dinitrotoluene	9.816	165	19010	6.455	ng	# 17
63) Azobenzene	10.527	77	54567	5.513	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	10867	4.112	ng	# 1

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

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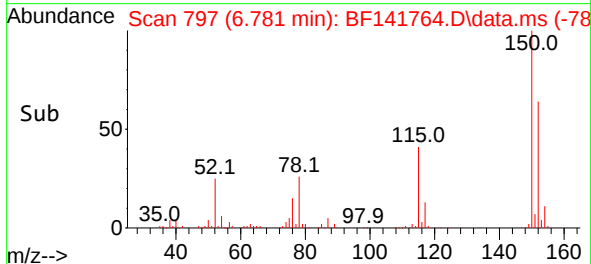
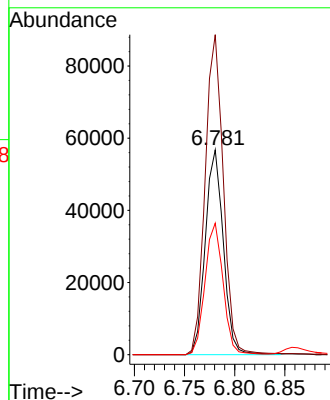
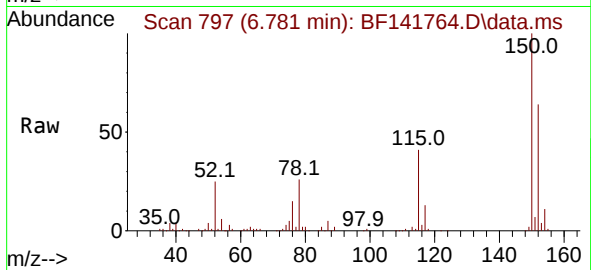




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141764.D
 Acq: 25 Feb 2025 15:06

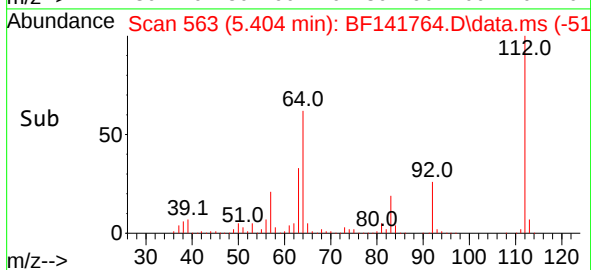
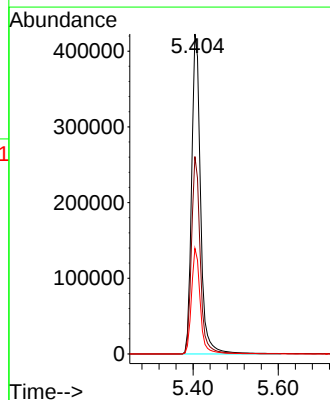
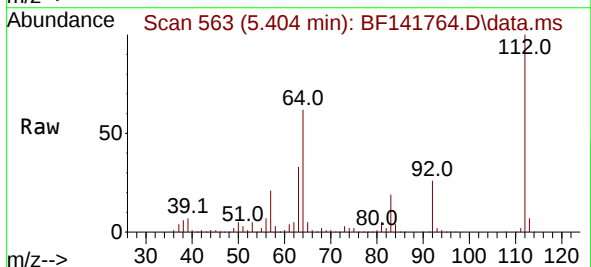
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-02

Tgt Ion:152 Resp: 71356
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.0 187.4
 115 64.2 53.6 80.4



#5
 2-Fluorophenol
 Concen: 135.469 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141764.D
 Acq: 25 Feb 2025 15:06

Tgt Ion:112 Resp: 616588
 Ion Ratio Lower Upper
 112 100
 64 61.7 51.1 76.7
 63 33.0 28.4 42.6

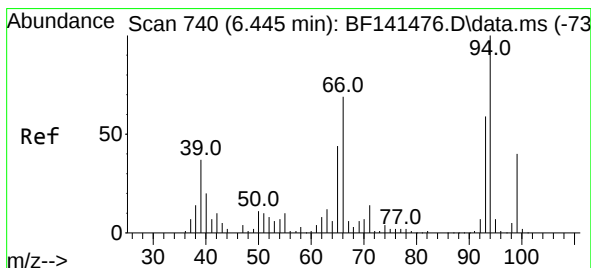
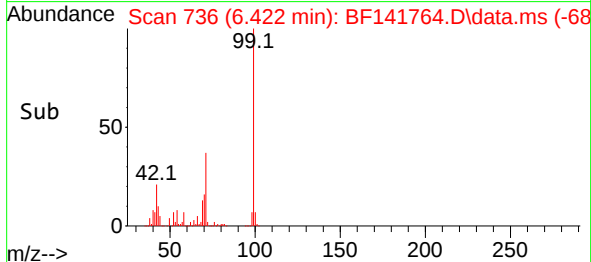
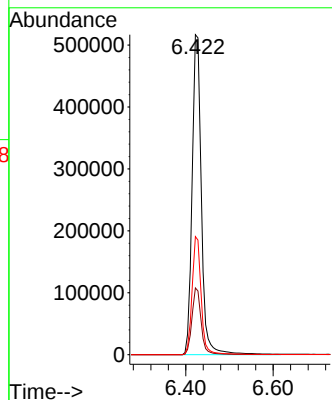
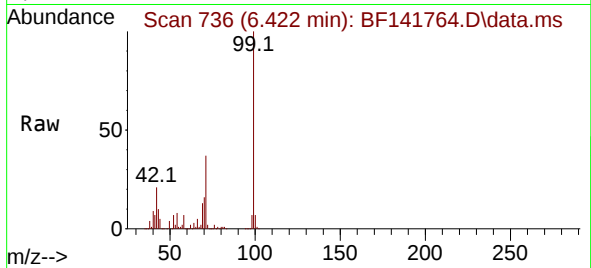




#7
Phenol-d6
Concen: 132.904 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

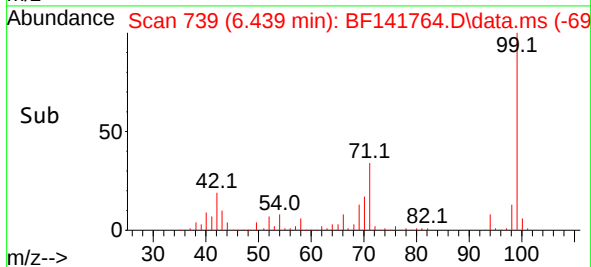
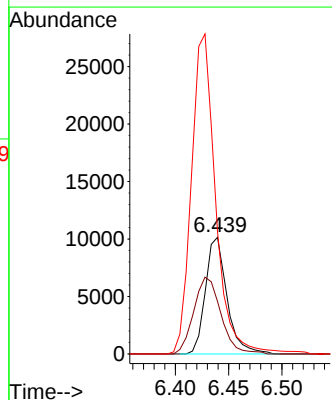
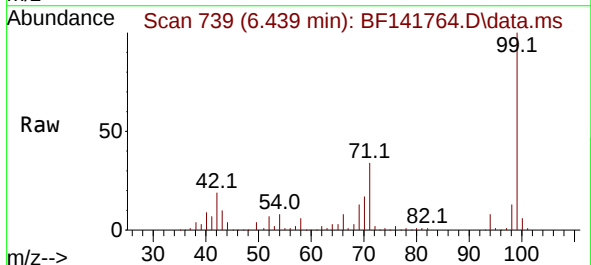
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

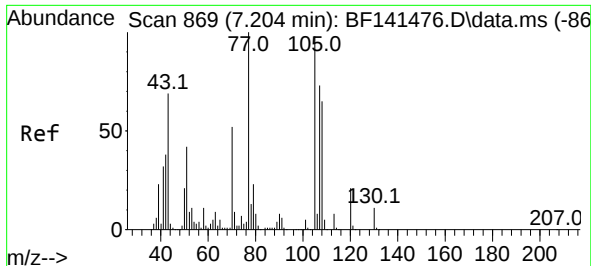
Tgt Ion: 99 Resp: 764563
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 36.9 31.1 46.7



#10
Phenol
Concen: 2.386 ng
RT: 6.439 min Scan# 739
Delta R.T. -0.018 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

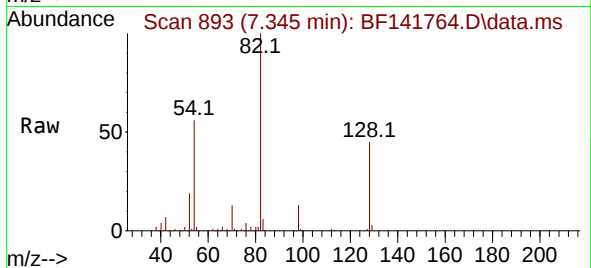
Tgt Ion: 94 Resp: 14286
Ion Ratio Lower Upper
94 100
65 45.1 23.7 63.7
66 105.1 49.3 89.3#



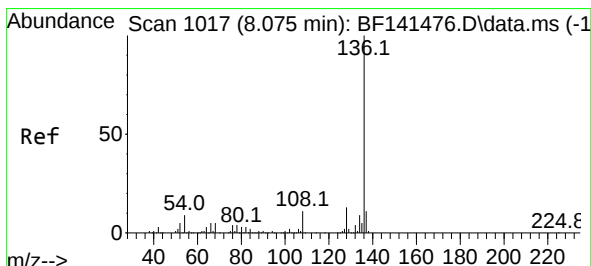
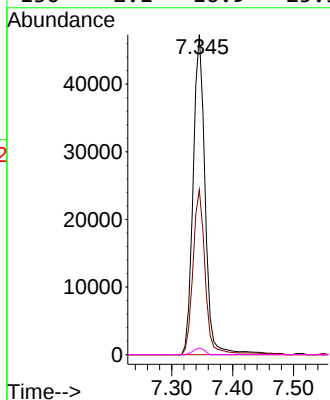
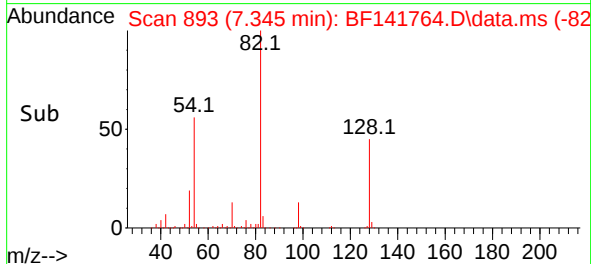


#19
n-Nitroso-di-n-propylamine
Concen: 18.924 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

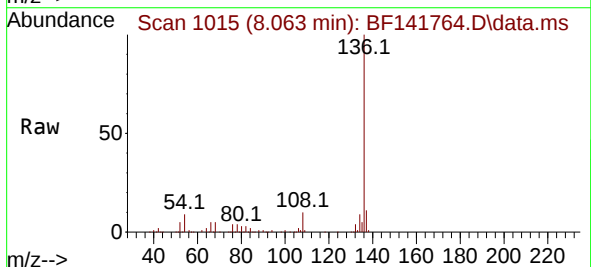
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02



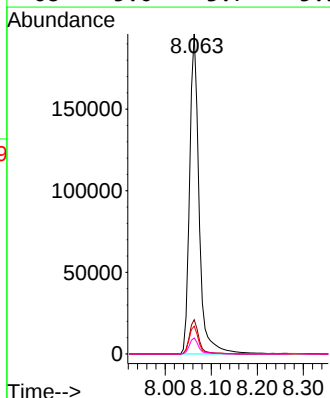
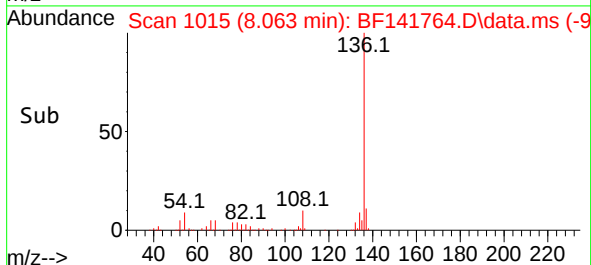
Tgt Ion: 70 Resp: 65117
Ion Ratio Lower Upper
70 100
42 51.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

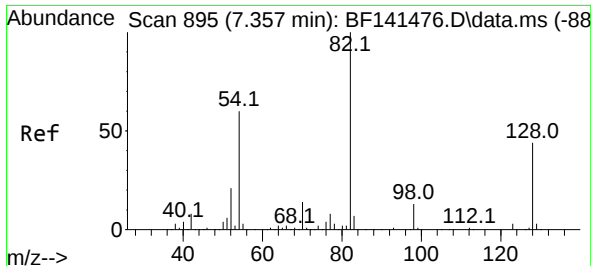


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06



Tgt Ion: 136 Resp: 280947
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 7.2 10.8
68 5.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 90.792 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF141764.D

Acq: 25 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02

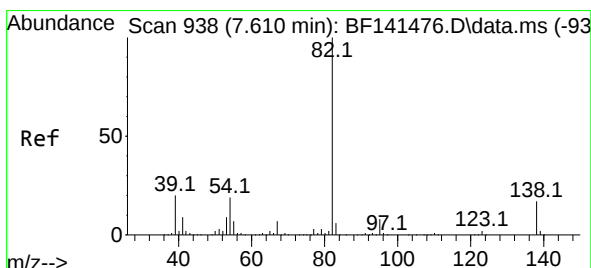
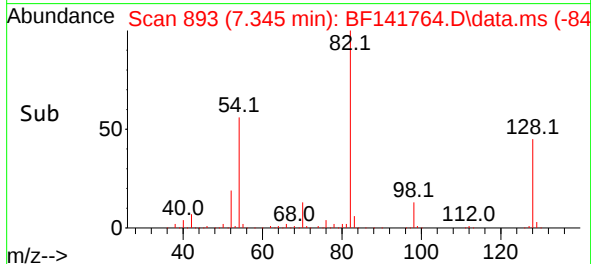
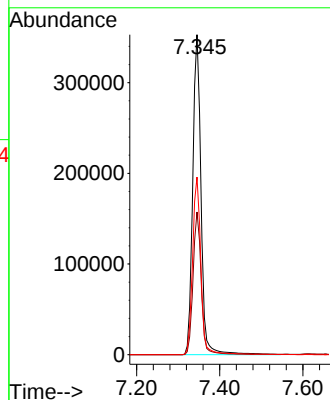
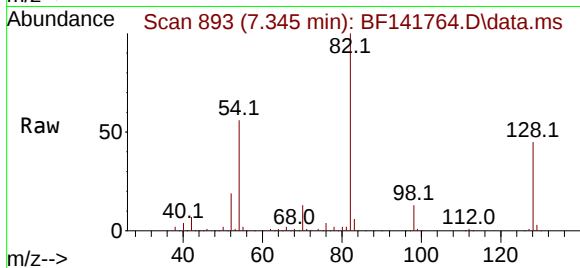
Tgt Ion: 82 Resp: 489046

Ion Ratio Lower Upper

82 100

128 44.6 34.8 52.2

54 55.5 48.2 72.4



#25

Isophorone

Concen: 55.900 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.276 min

Lab File: BF141764.D

Acq: 25 Feb 2025 15:06

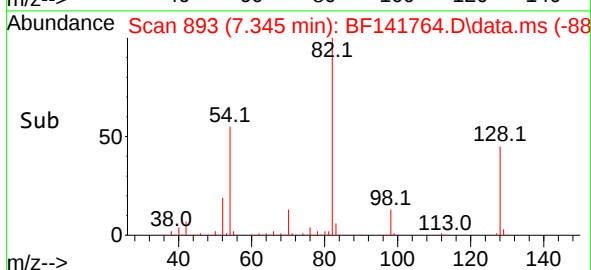
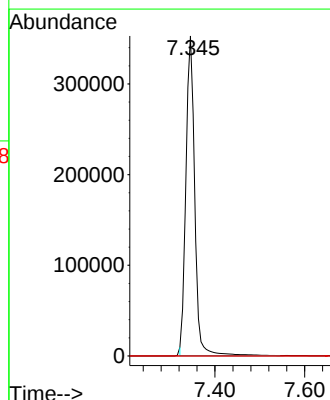
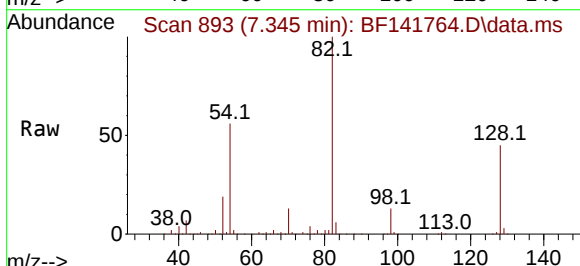
Tgt Ion: 82 Resp: 480096

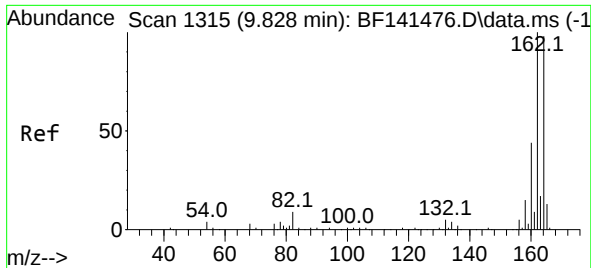
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.9 20.9#

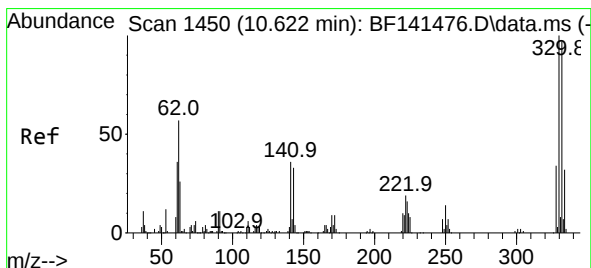
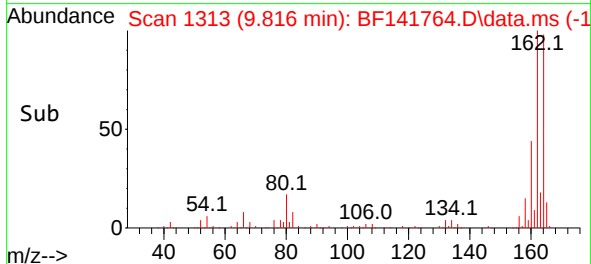
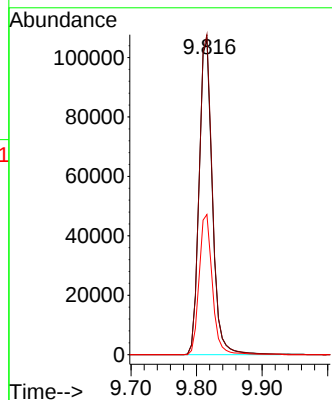
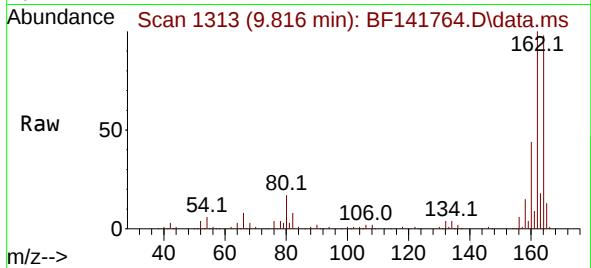




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

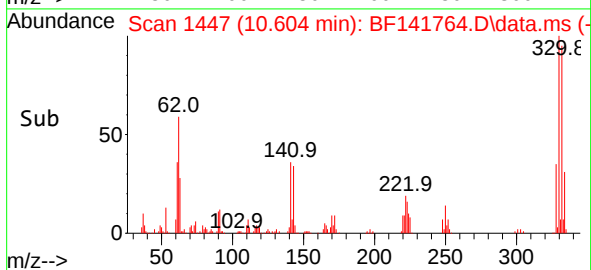
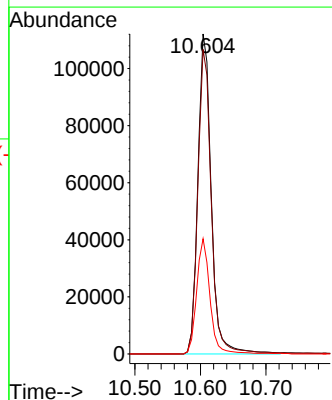
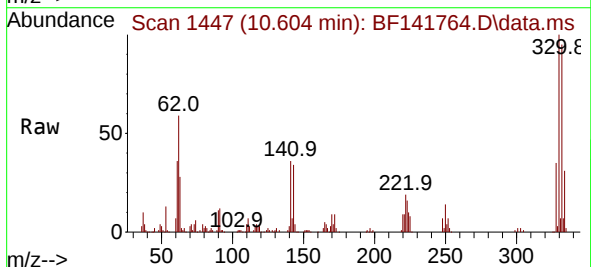
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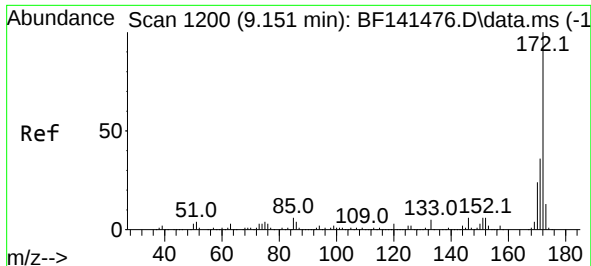
Tgt Ion:164 Resp: 149058
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.5 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 106.573 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

Tgt Ion:330 Resp: 159578
Ion Ratio Lower Upper
330 100
332 95.9 78.5 117.7
141 36.1 31.0 46.4

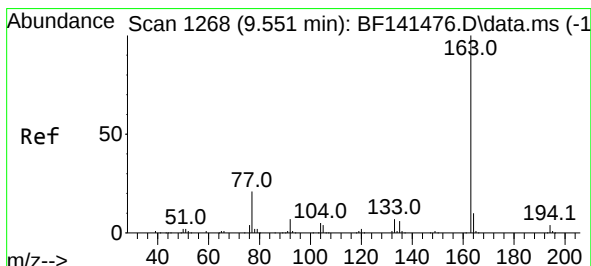
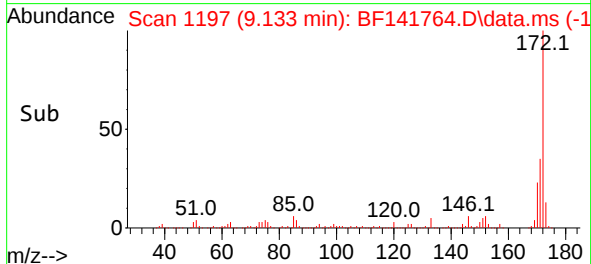
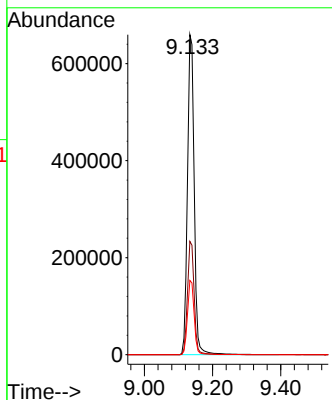
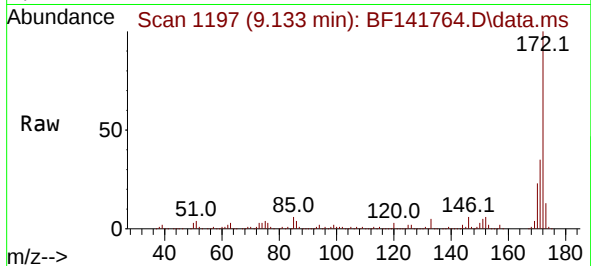




#45
2-Fluorobiphenyl
Concen: 92.829 ng
RT: 9.133 min Scan# 1117
Delta R.T. -0.018 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

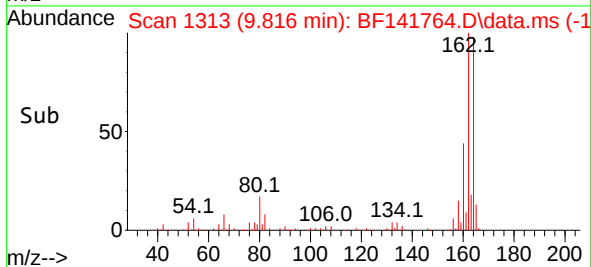
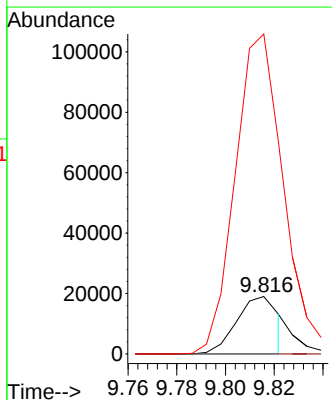
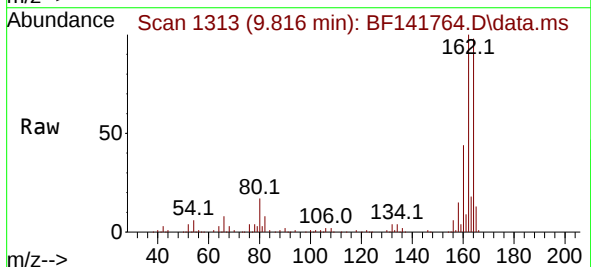
Instrument :
BNA_F
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P001-CLAY-CF01-02

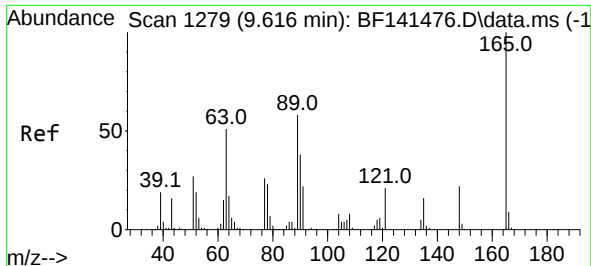
Tgt Ion:172 Resp: 898126
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.2 18.9 28.3



#50
Dimethylphthalate
Concen: 2.219 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.253 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

Tgt Ion:163 Resp: 22452
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 557.5 7.9 11.9#





#51

2,6-Dinitrotoluene

Concen: 8.594 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF141764.D

Acq: 25 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02

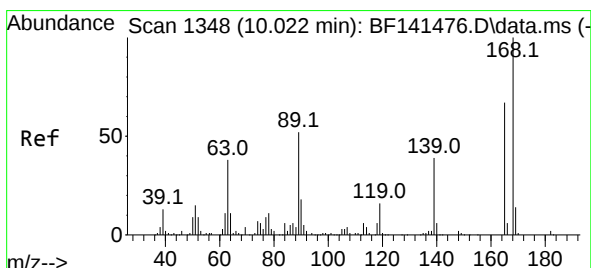
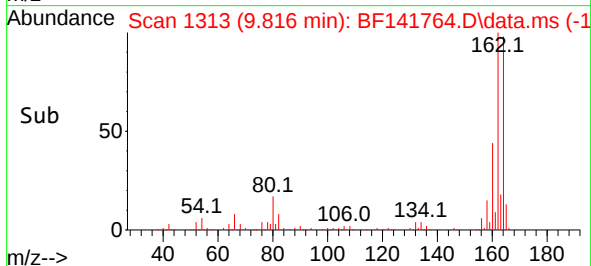
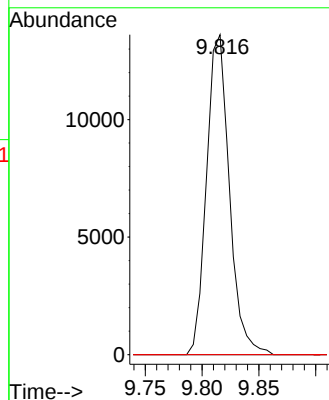
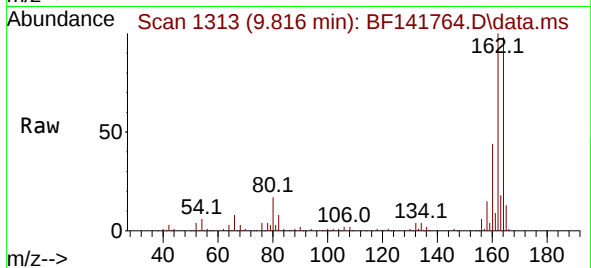
Tgt Ion:165 Resp: 19010

Ion Ratio Lower Upper

165 100

63 0.0 49.4 74.0#

89 0.0 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.455 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.212 min

Lab File: BF141764.D

Acq: 25 Feb 2025 15:06

Tgt Ion:165 Resp: 19010

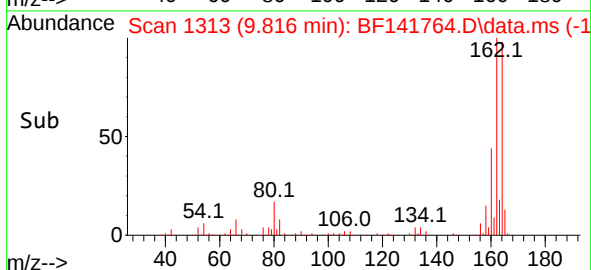
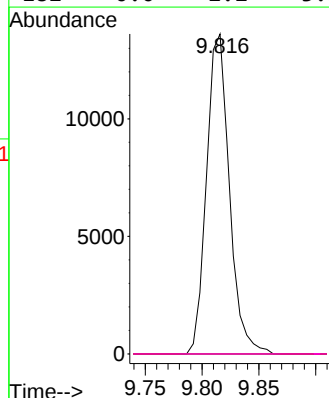
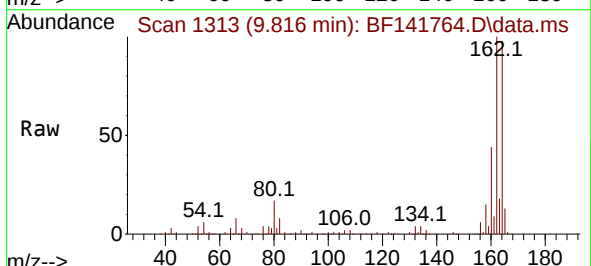
Ion Ratio Lower Upper

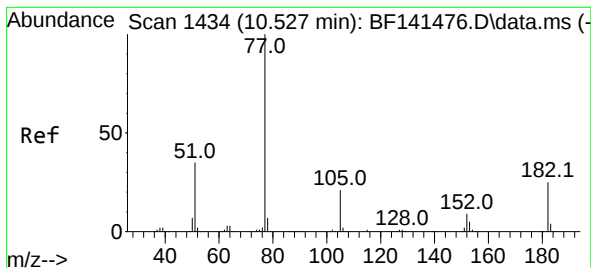
165 100

63 0.0 46.4 69.6#

89 0.0 61.8 92.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 5.513 ng

RT: 10.527 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141764.D

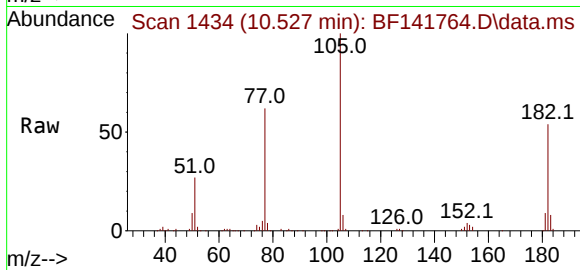
Acq: 25 Feb 2025 15:06

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02



Tgt Ion: 77 Resp: 54567

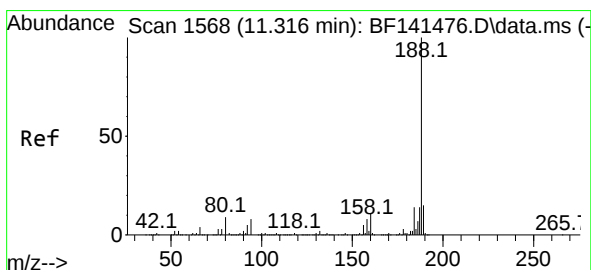
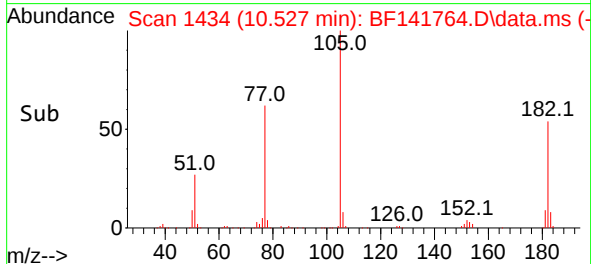
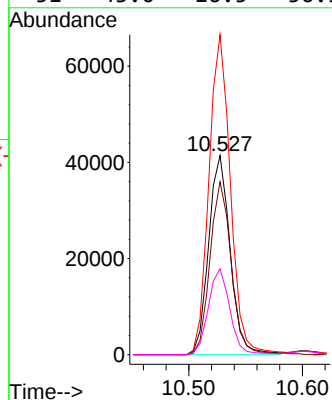
Ion Ratio Lower Upper

77 100

182 86.7 4.7 44.7#

105 160.6 0.4 40.4#

51 43.0 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF141764.D

Acq: 25 Feb 2025 15:06

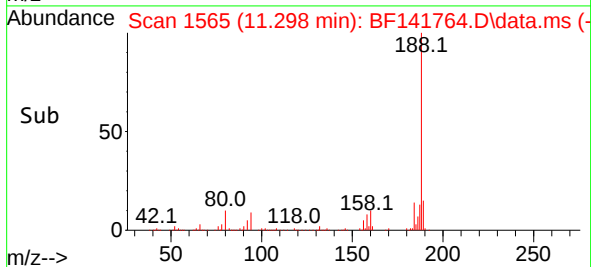
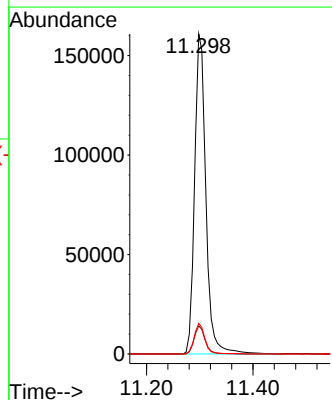
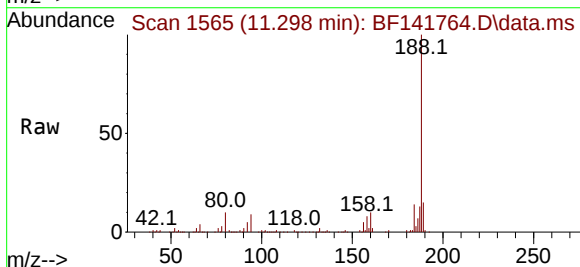
Tgt Ion:188 Resp: 236469

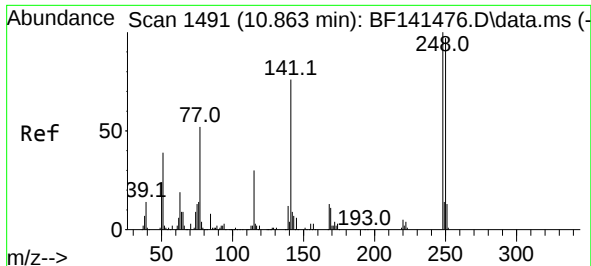
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.6 7.3 10.9

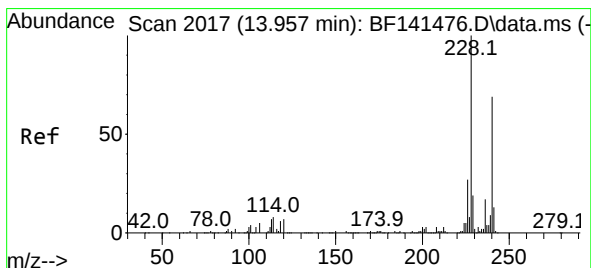
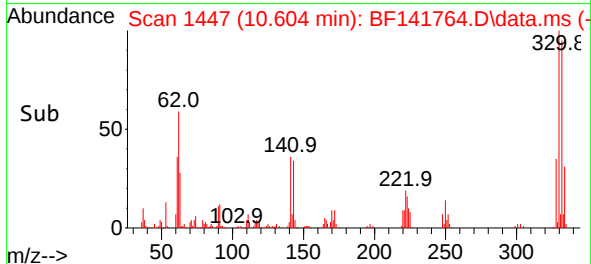
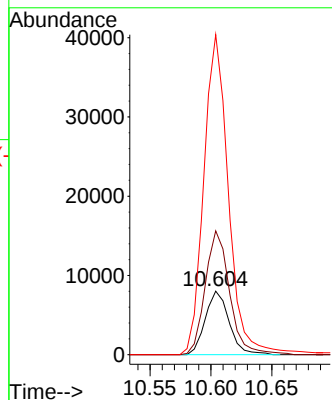
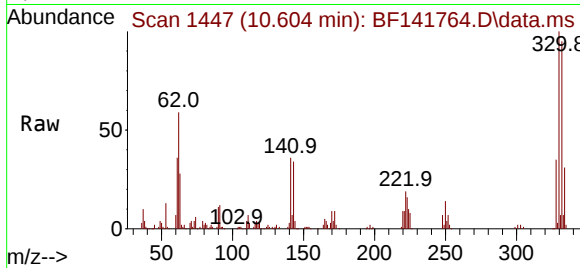




#67
4-Bromophenyl-phenylether
Concen: 4.112 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

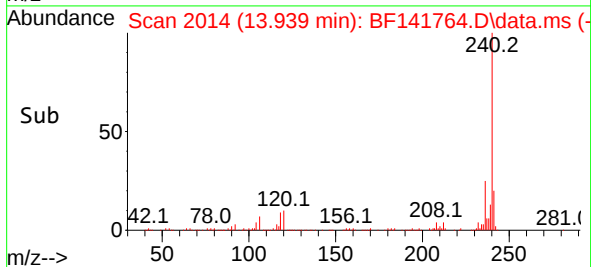
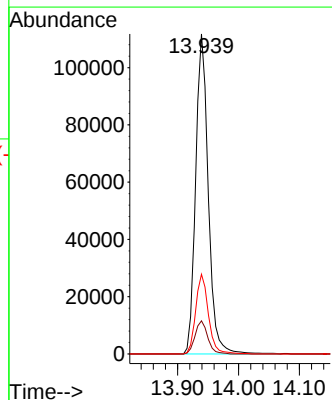
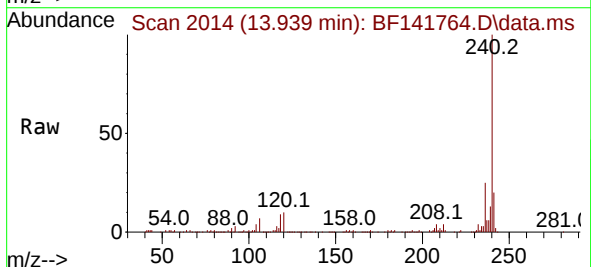
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

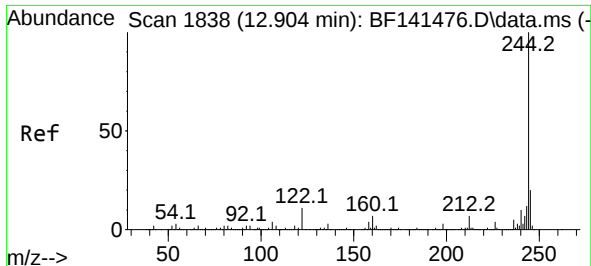
Tgt Ion:248 Resp: 10867
Ion Ratio Lower Upper
248 100
250 195.1 77.8 116.6#
141 503.9 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141764.D
Acq: 25 Feb 2025 15:06

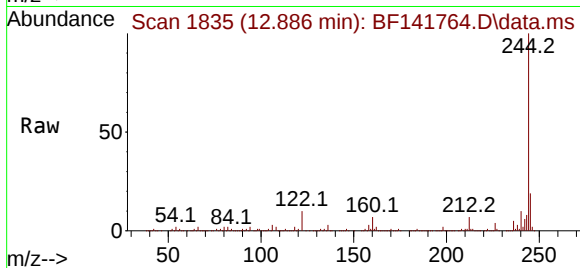
Tgt Ion:240 Resp: 160844
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 24.9 19.8 29.8



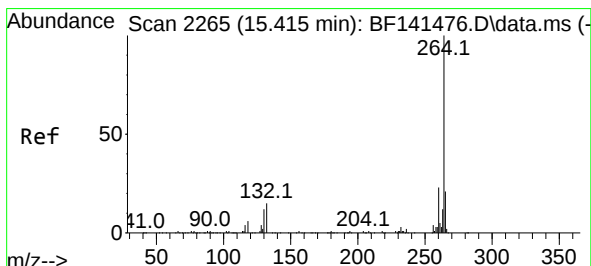
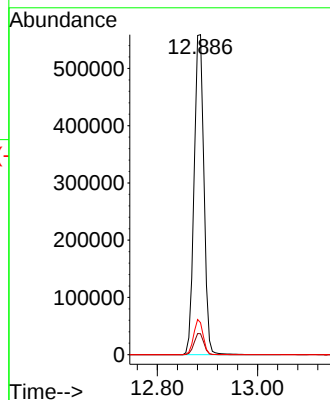
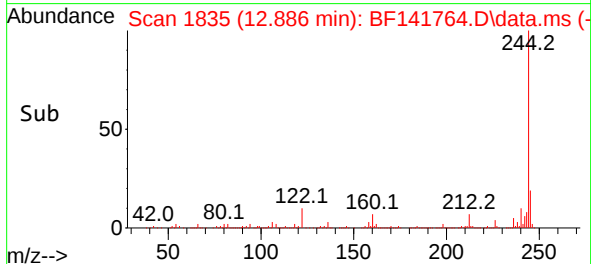


#79
 Terphenyl-d14
 Concen: 79.392 ng
 RT: 12.886 min Scan# 1835
 Delta R.T. -0.018 min
 Lab File: BF141764.D
 Acq: 25 Feb 2025 15:06

Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF01-02



Tgt Ion:244 Resp: 756423
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.0 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: BF141764.D
 Acq: 25 Feb 2025 15:06

Tgt Ion:264 Resp: 174752
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.4 17.0 25.4

