

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141765.D
 Acq On : 25 Feb 2025 15:35
 Operator : RC/JU
 Sample : Q1421-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF02-01

Quant Time: Feb 25 15:56:25 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)

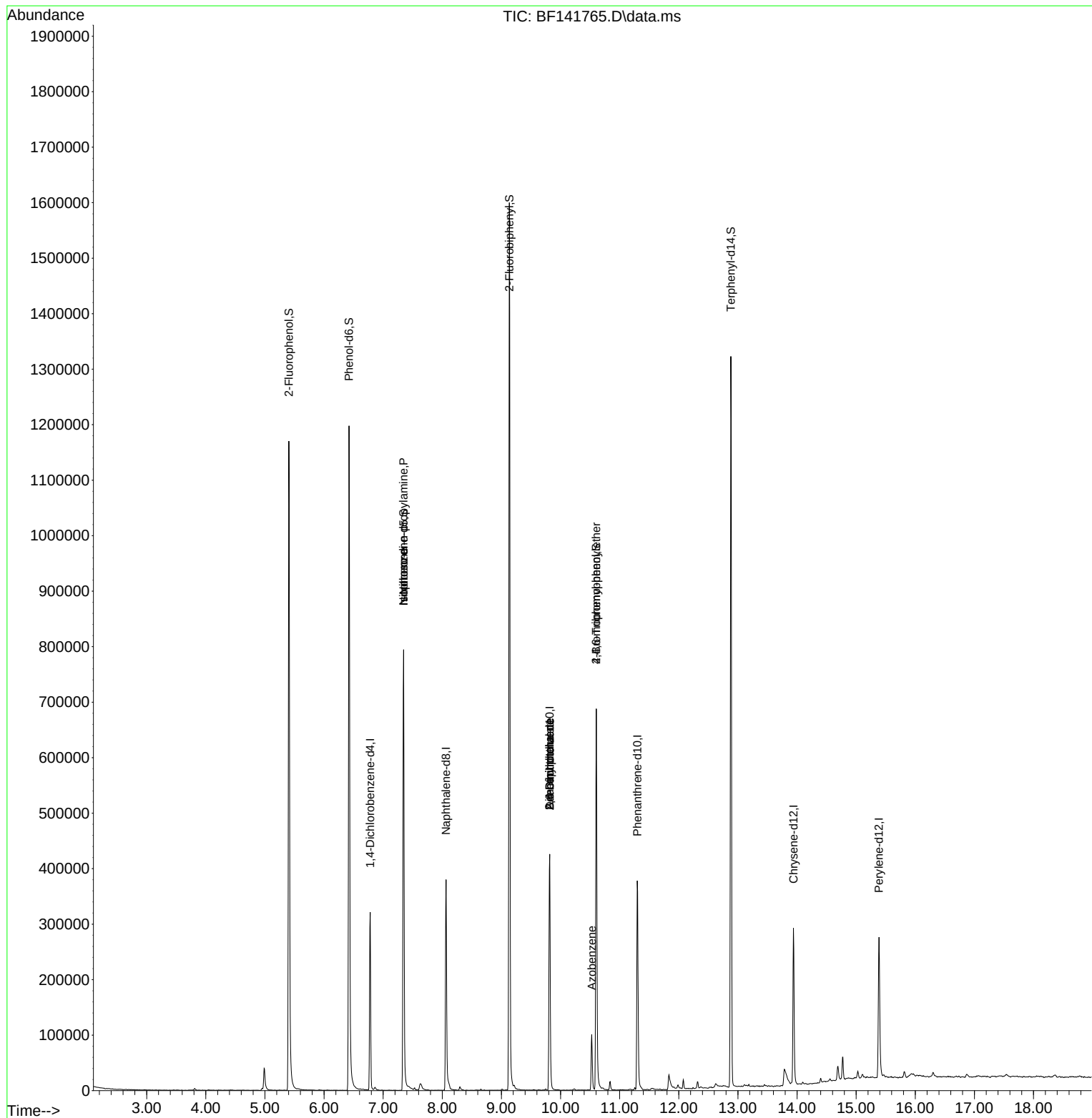
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	69940	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	276004	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	146596	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	233192	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	154690	20.000	ng	-0.02
86) Perylene-d12	15.386	264	165233	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	481259	107.877	ng	0.00
7) Phenol-d6	6.422	99	588829	104.429	ng	-0.02
23) Nitrobenzene-d5	7.345	82	381617	72.117	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	124680	84.665	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	732651	76.998	ng	-0.02
79) Terphenyl-d14	12.880	244	661408	72.181	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	49141	14.570	ng	# 74
25) Isophorone	7.345	82	374750	44.415	ng	# 66
50) Dimethylphthalate	9.816	163	21389	2.149	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	18364	8.441	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	18364	6.341	ng	# 18
63) Azobenzene	10.528	77	27926	2.869	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	8012	3.074	ng	# 1

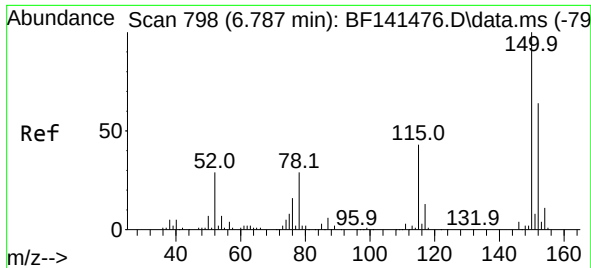
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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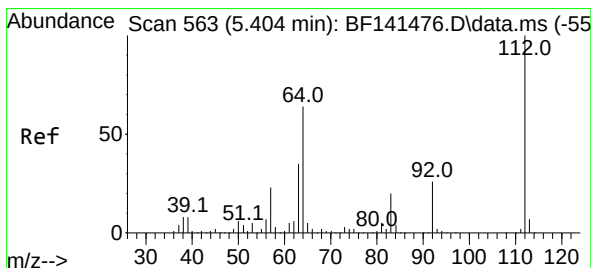
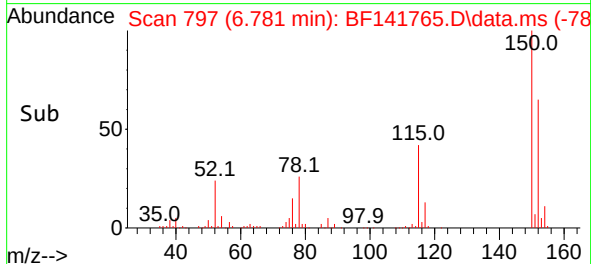
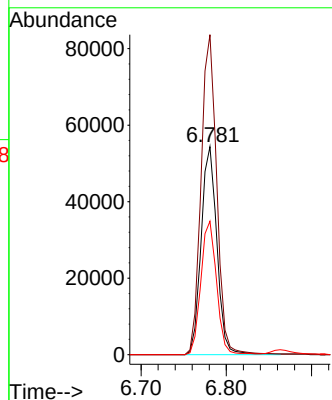
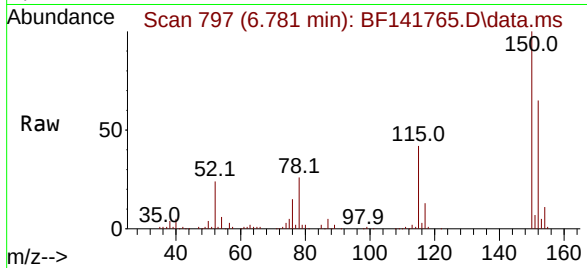




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141765.D
 Acq: 25 Feb 2025 15:35

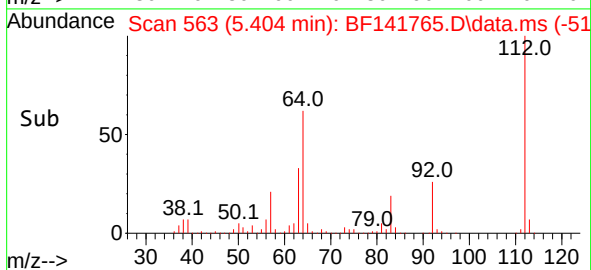
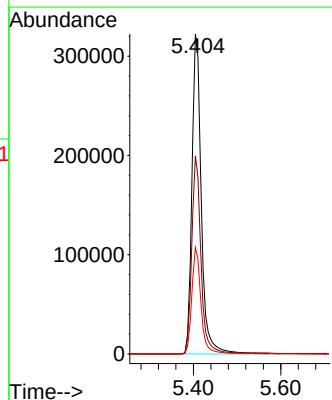
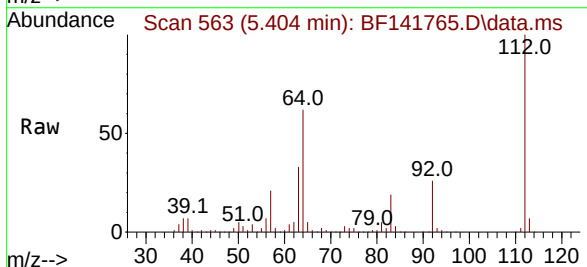
Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF02-01

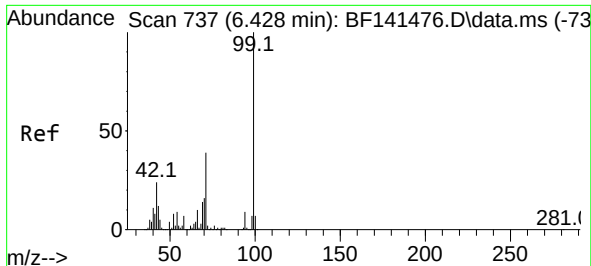
Tgt Ion:152 Resp: 69940
 Ion Ratio Lower Upper
 152 100
 150 153.8 125.0 187.4
 115 64.2 53.6 80.4



#5
 2-Fluorophenol
 Concen: 107.877 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141765.D
 Acq: 25 Feb 2025 15:35

Tgt Ion:112 Resp: 481259
 Ion Ratio Lower Upper
 112 100
 64 61.9 51.1 76.7
 63 33.2 28.4 42.6

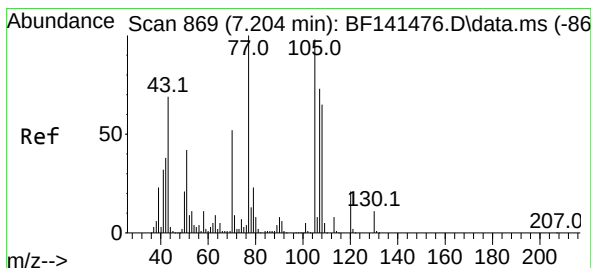
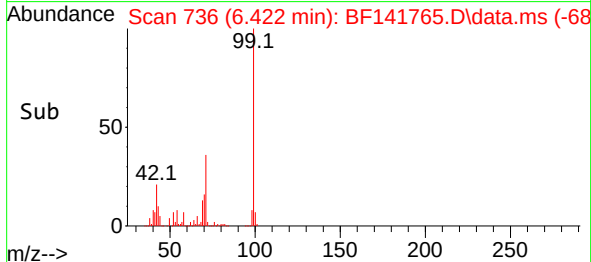
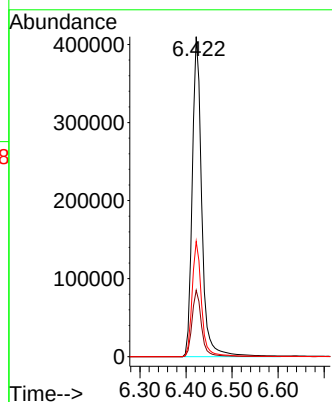
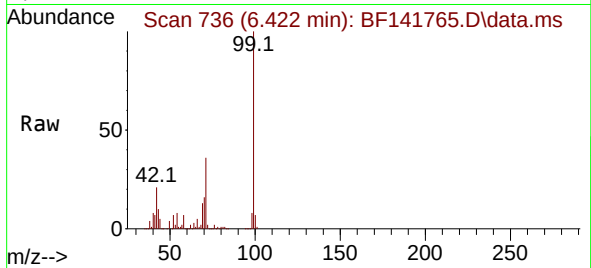




#7
Phenol-d6
Concen: 104.429 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

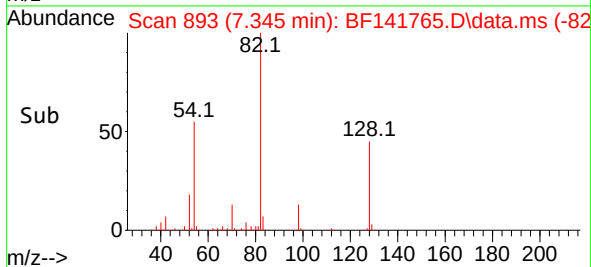
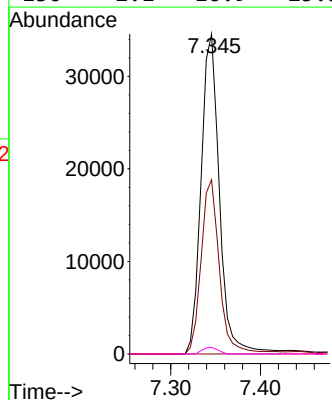
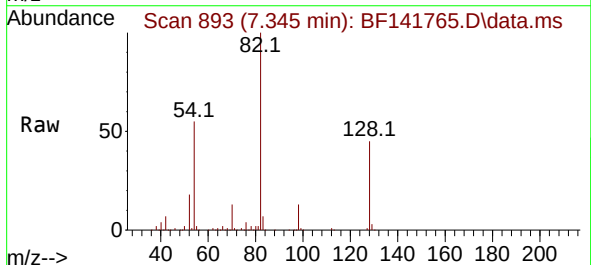
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF02-01

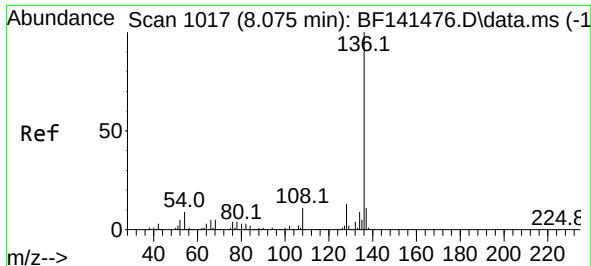
Tgt Ion: 99 Resp: 588829
Ion Ratio Lower Upper
99 100
42 20.8 19.1 28.7
71 36.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.570 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

Tgt Ion: 70 Resp: 49141
Ion Ratio Lower Upper
70 100
42 54.4 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

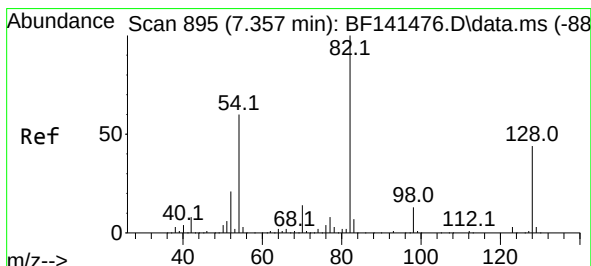
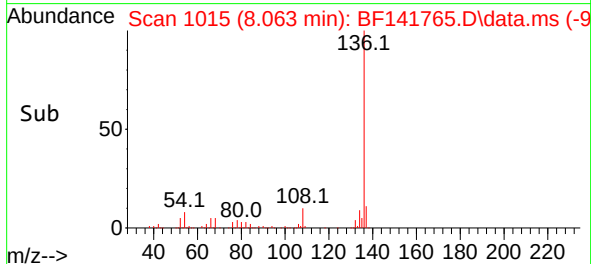
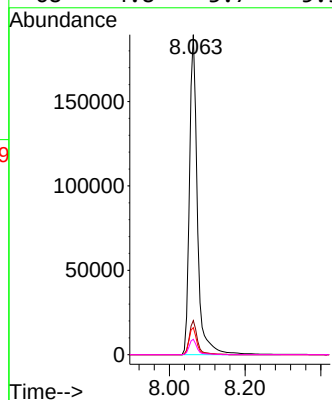
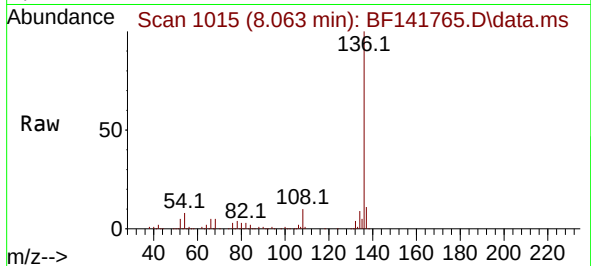




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

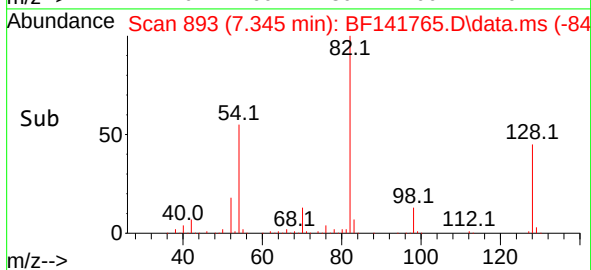
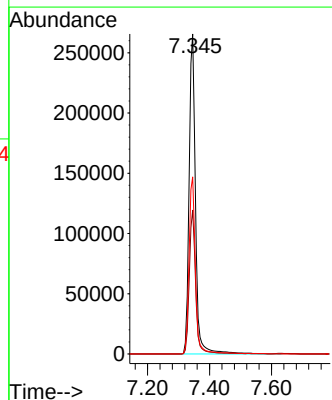
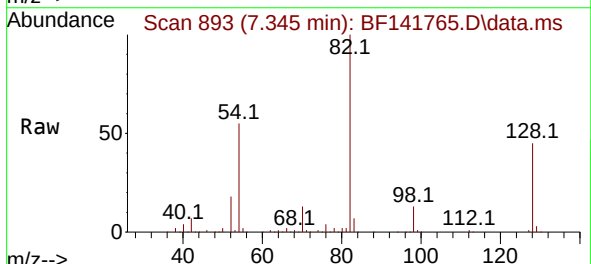
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF02-01

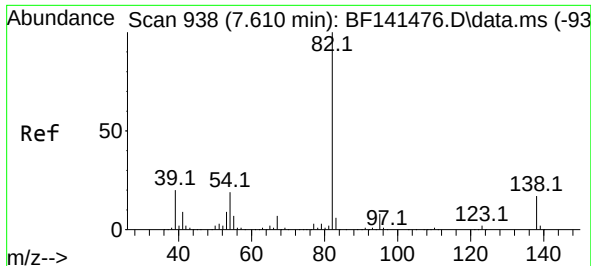
Tgt Ion:	136	Resp:	276004
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	8.4	7.2	10.8
68	4.8	3.7	5.5



#23
Nitrobenzene-d5
Concen: 72.117 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

Tgt Ion:	82	Resp:	381617
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.8	52.2
54	55.4	48.2	72.4

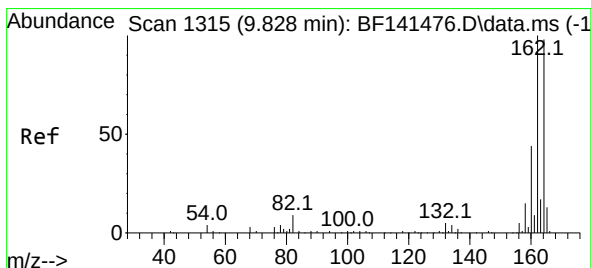
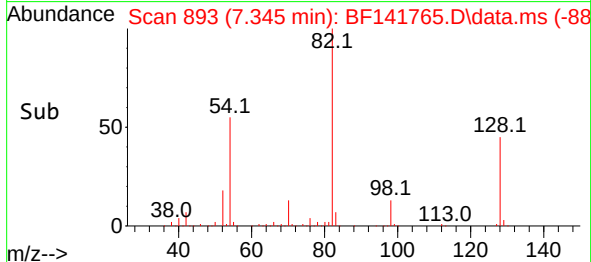
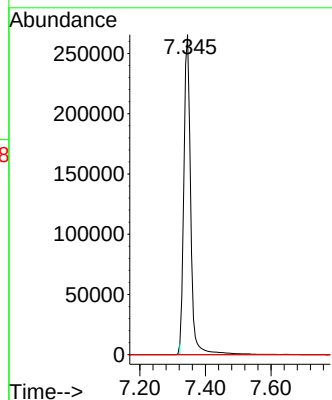
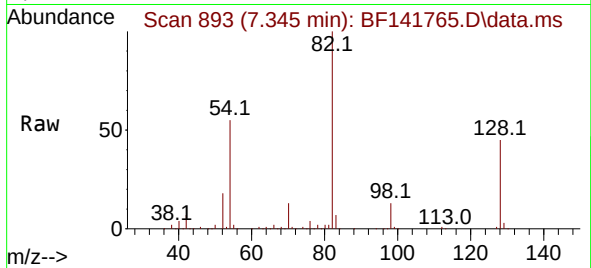




#25
Isophorone
Concen: 44.415 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

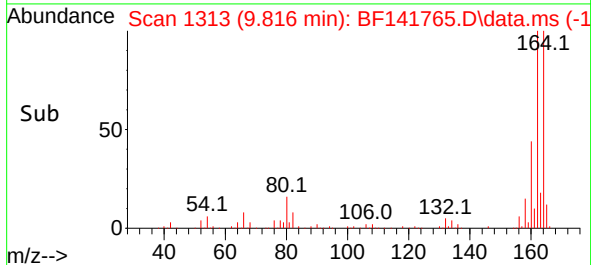
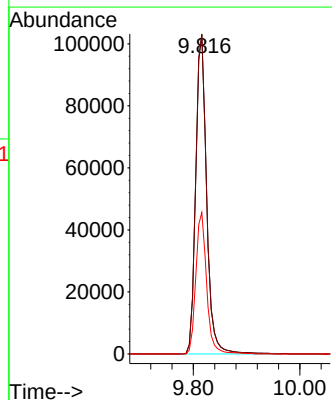
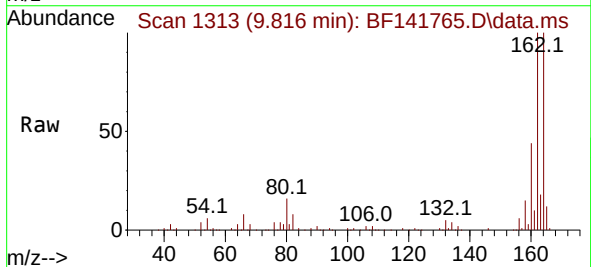
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF02-01

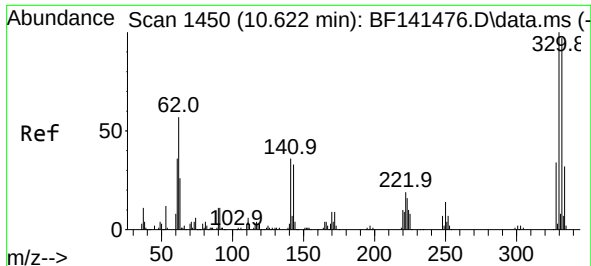
Tgt Ion: 82 Resp: 374750
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

Tgt Ion:164 Resp: 146596
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 44.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 84.665 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141765.D

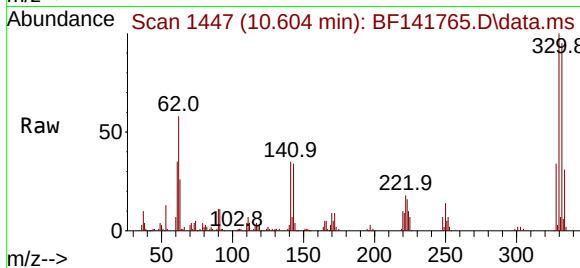
Acq: 25 Feb 2025 15:35

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01



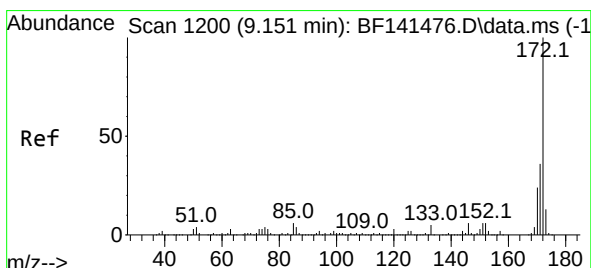
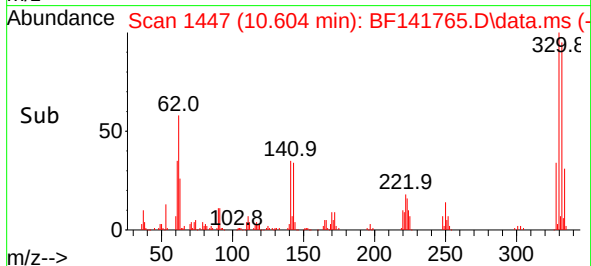
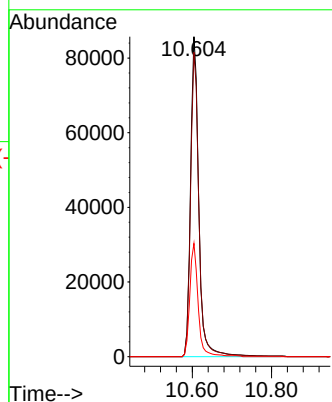
Tgt Ion:330 Resp: 124680

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 35.4 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 76.998 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141765.D

Acq: 25 Feb 2025 15:35

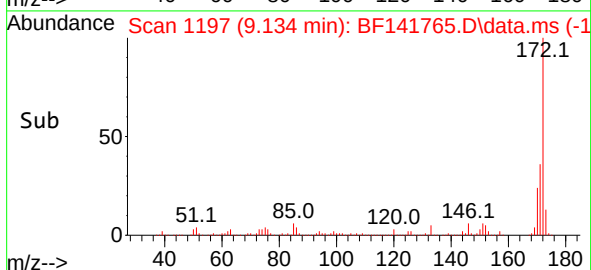
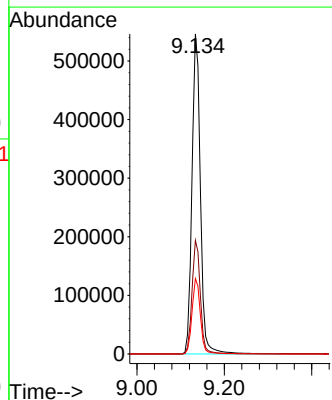
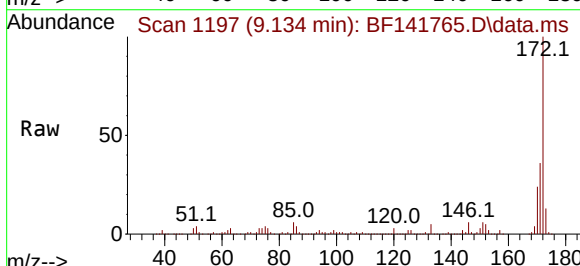
Tgt Ion:172 Resp: 732651

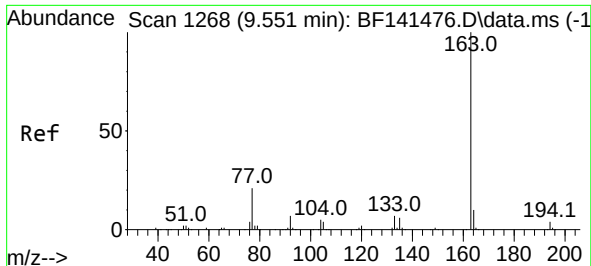
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.6 18.9 28.3

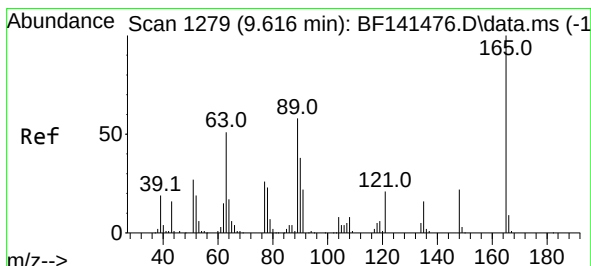
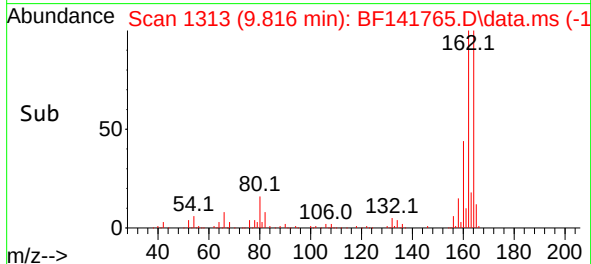
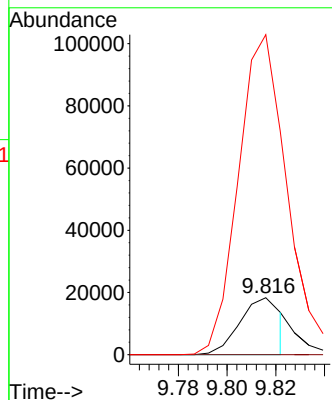
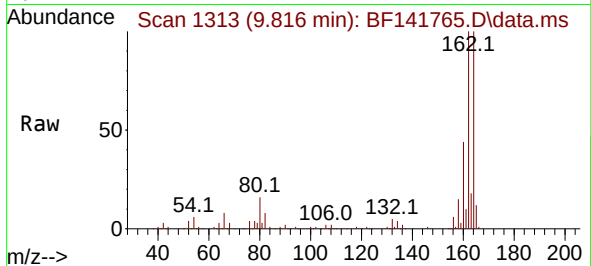




#50
Dimethylphthalate
Concen: 2.149 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

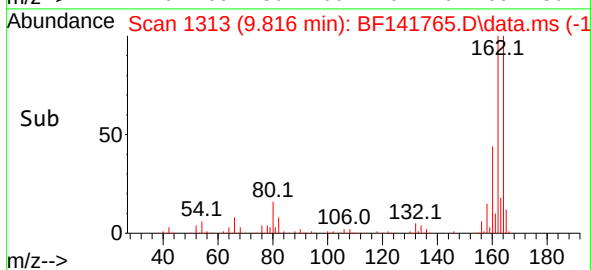
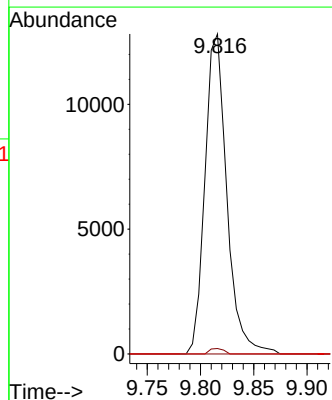
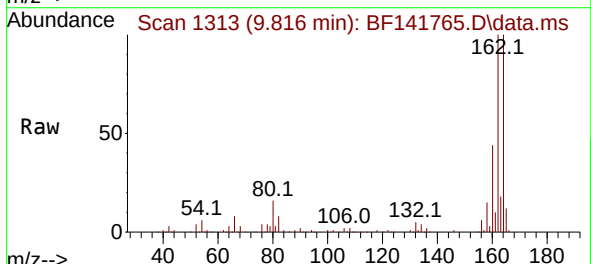
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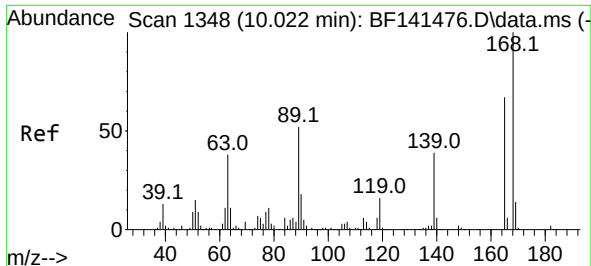
Tgt Ion:163 Resp: 21389
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 561.7 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.441 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

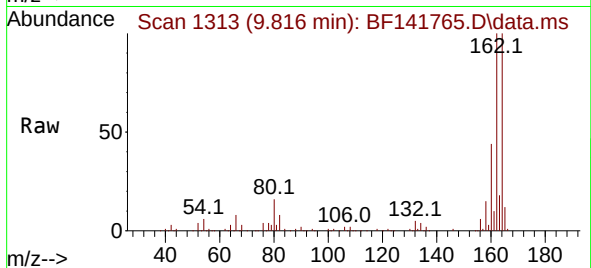
Tgt Ion:165 Resp: 18364
Ion Ratio Lower Upper
165 100
63 1.7 49.4 74.0#
89 0.0 46.5 69.7#



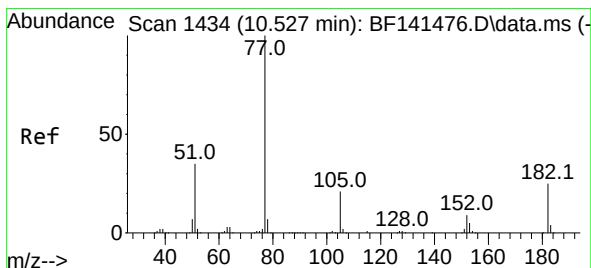
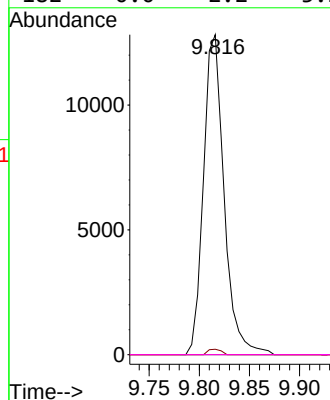
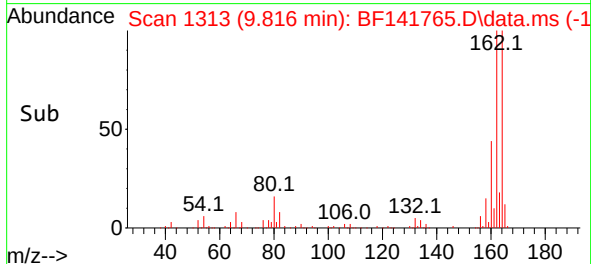


#57
2,4-Dinitrotoluene
Concen: 6.341 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35

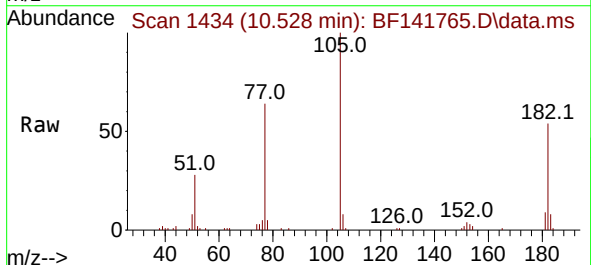
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF02-01



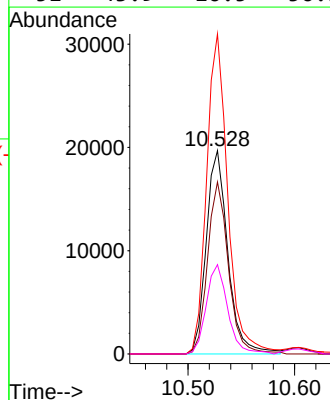
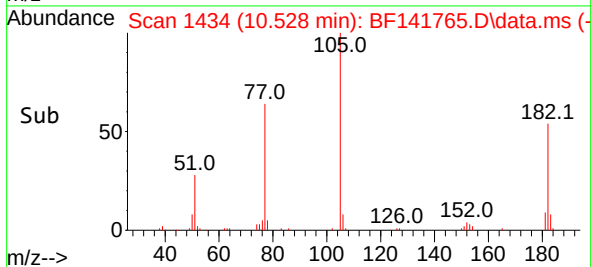
Tgt Ion:165 Resp: 18364
Ion Ratio Lower Upper
165 100
63 1.7 46.4 69.6#
89 0.0 61.8 92.6#
182 0.0 2.2 3.2#

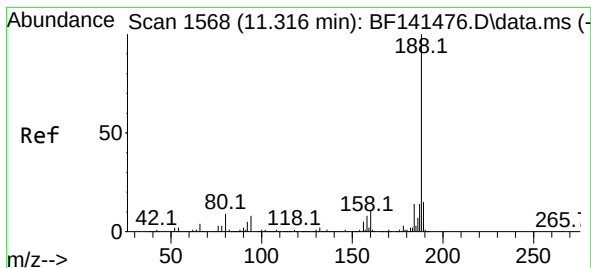


#63
Azobenzene
Concen: 2.869 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141765.D
Acq: 25 Feb 2025 15:35



Tgt Ion: 77 Resp: 27926
Ion Ratio Lower Upper
77 100
182 84.6 4.7 44.7#
105 157.4 0.4 40.4#
51 43.9 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141765.D

Acq: 25 Feb 2025 15:35

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01

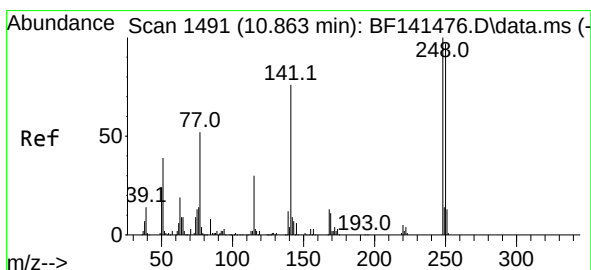
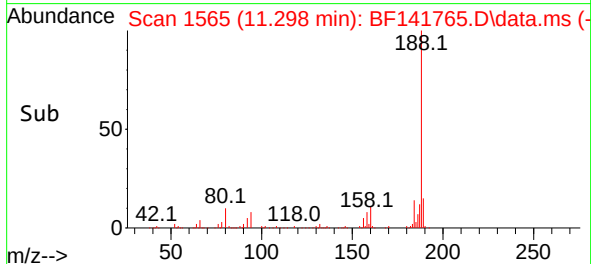
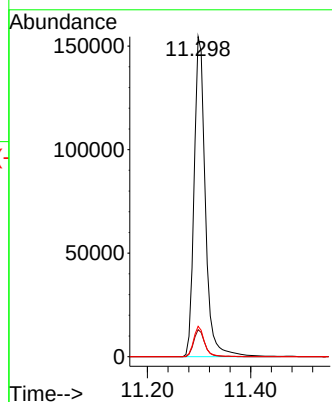
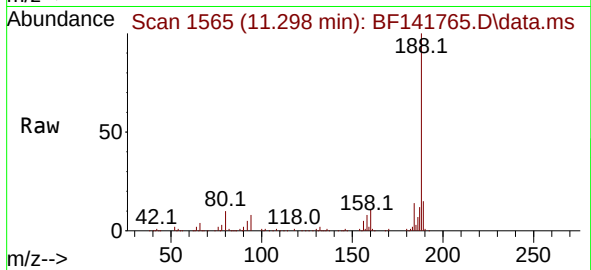
Tgt Ion:188 Resp: 233192

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.074 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141765.D

Acq: 25 Feb 2025 15:35

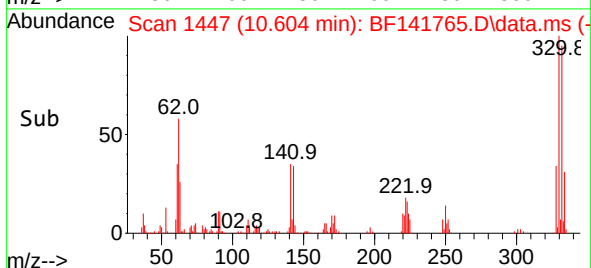
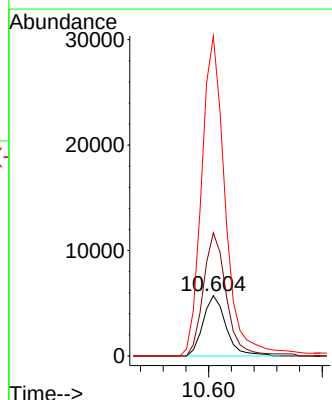
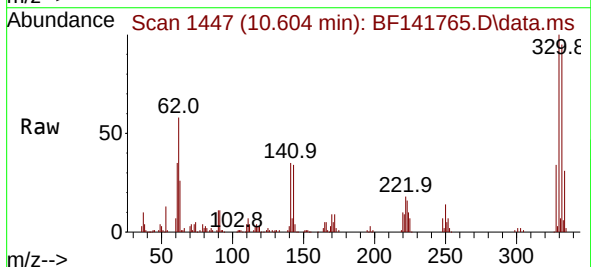
Tgt Ion:248 Resp: 8012

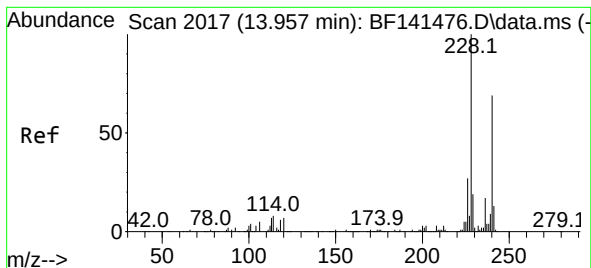
Ion Ratio Lower Upper

248 100

250 203.9 77.8 116.6#

141 530.0 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: BF141765.D

Acq: 25 Feb 2025 15:35

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01

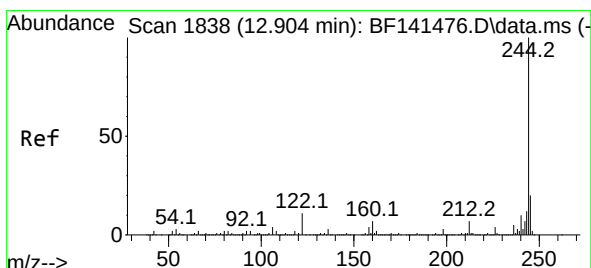
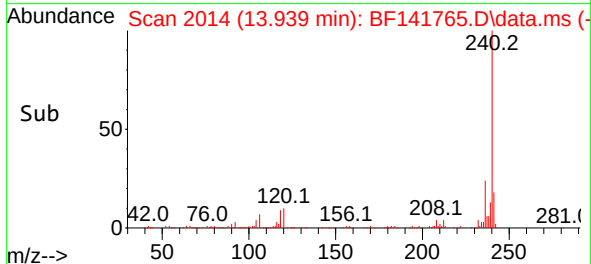
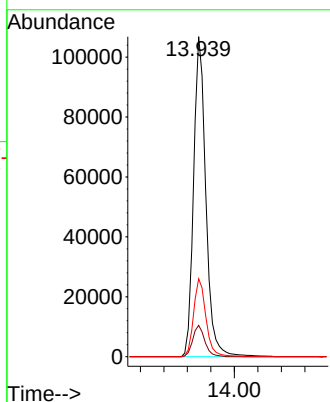
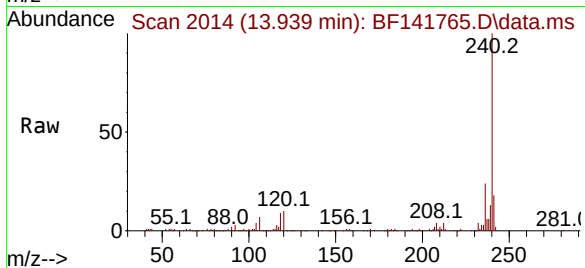
Tgt Ion:240 Resp: 154690

Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 24.3 19.8 29.8



#79

Terphenyl-d14

Concen: 72.181 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141765.D

Acq: 25 Feb 2025 15:35

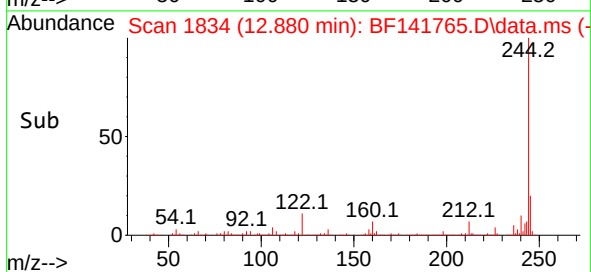
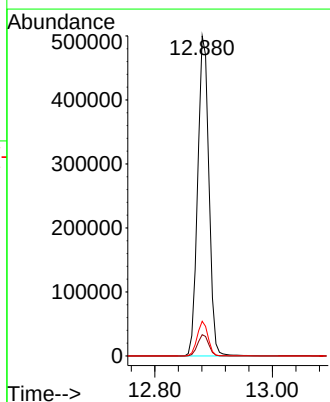
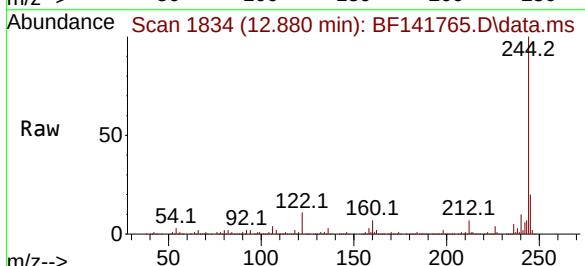
Tgt Ion:244 Resp: 661408

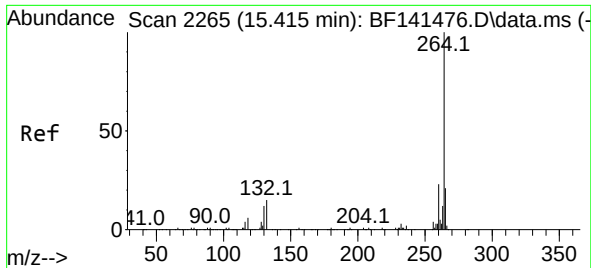
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

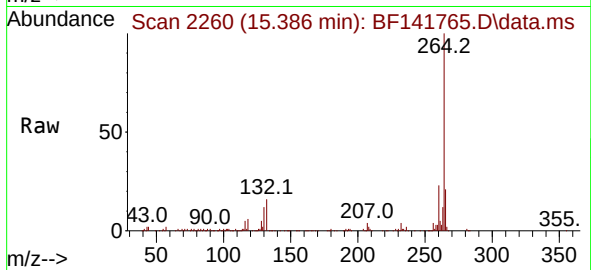
122 10.8 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF141765.D
 Acq: 25 Feb 2025 15:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-CLAY-CF02-01



Tgt Ion:264 Resp: 165233
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.2 17.0 25.4

