

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022825\
 Data File : BF141806.D
 Acq On : 28 Feb 2025 13:22
 Operator : RC/JU
 Sample : Q1421-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 28 13:43:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

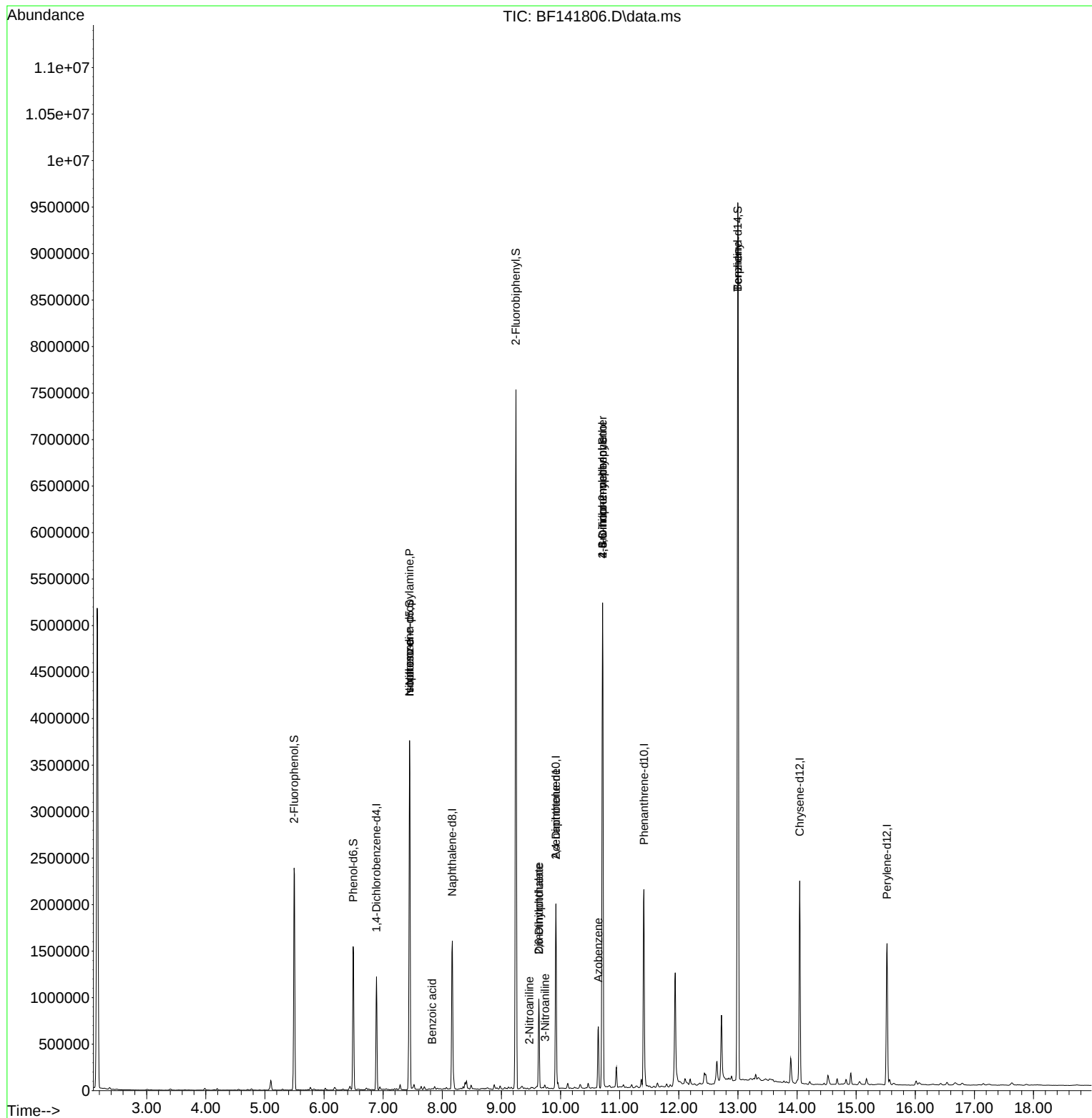
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	243666	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	971925	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	563590	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1041256	20.000	ng	0.00
76) Chrysene-d12	14.045	240	1003213	20.000	ng	0.00
86) Perylene-d12	15.521	264	850977	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	891086	58.402	ng	0.00
7) Phenol-d6	6.493	99	694004	34.946	ng	-0.02
23) Nitrobenzene-d5	7.445	82	1708110	112.336	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	890734	168.346	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3191505	90.800	ng	0.00
79) Terphenyl-d14	12.998	244	4814860	77.651	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	237683	18.206	ng	# 81
25) Isophorone	7.445	82	1704284	52.172	ng	# 66
32) Benzoic acid	7.828	122	2024	7.860	ng	91
48) 2-Nitroaniline	9.475	65	320	4.373	ng	# 6
50) Dimethylphthalate	9.633	163	515496	13.658	ng	99
51) 2,6-Dinitrotoluene	9.633	165	5464	3.541	ng	# 3
53) 3-Nitroaniline	9.739	138	56	2.974	ng	# 64
57) 2,4-Dinitrotoluene	9.922	165	74414	11.343	ng	# 20
63) Azobenzene	10.639	77	171820	4.313	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	2201	8.499	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	61750	5.077	ng	# 1
77) Benzidine	12.998	184	67484	5.344	ng	# 90

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

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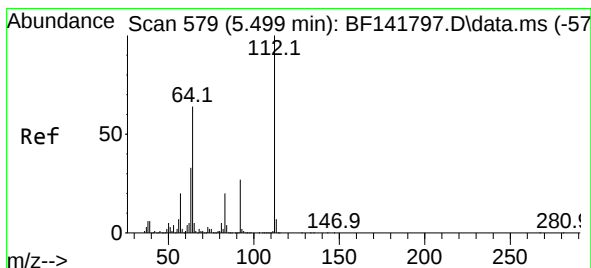
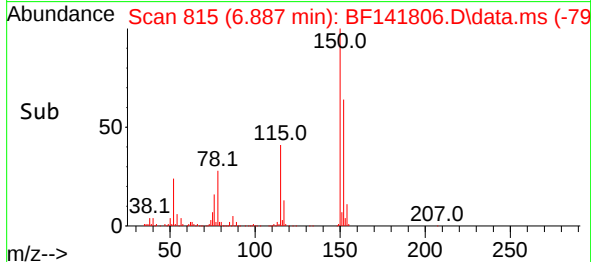
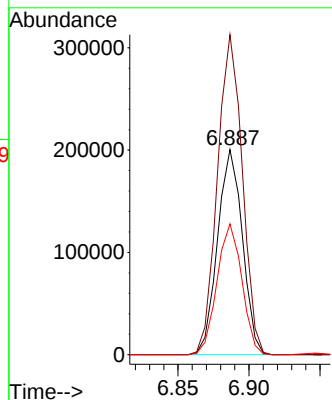
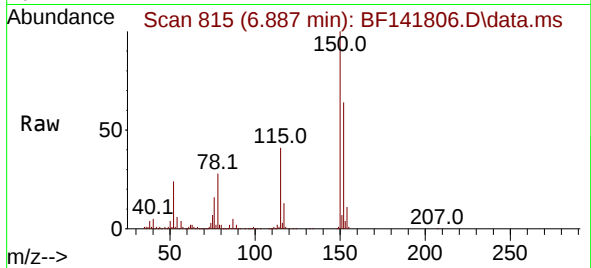




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

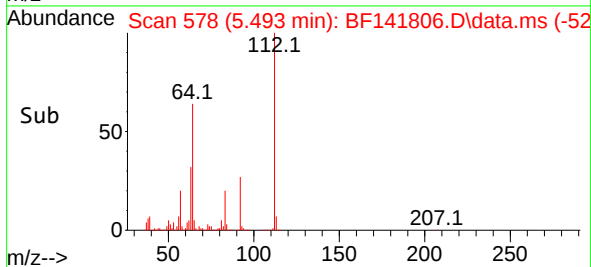
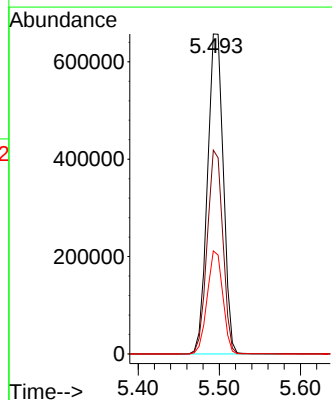
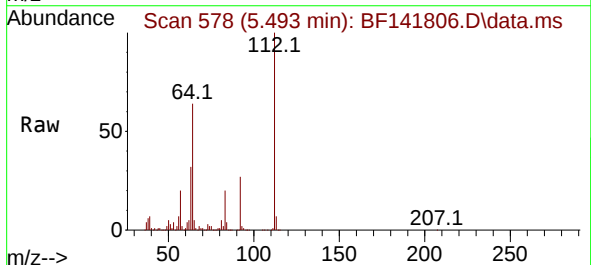
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion:152 Resp: 243666
Ion Ratio Lower Upper
152 100
150 156.0 127.5 191.3
115 63.8 51.4 77.2



#5
2-Fluorophenol
Concen: 58.402 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion:112 Resp: 891086
Ion Ratio Lower Upper
112 100
64 63.7 51.3 76.9
63 32.2 26.2 39.4

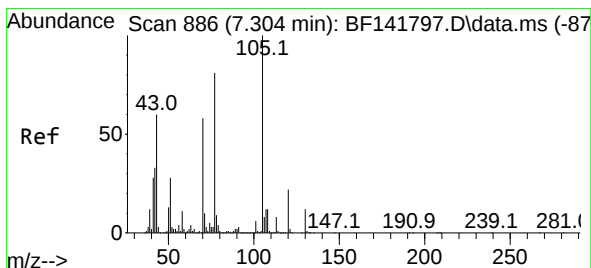
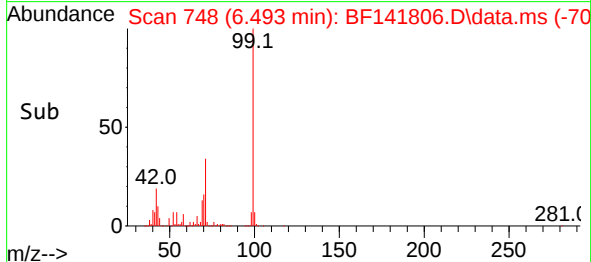
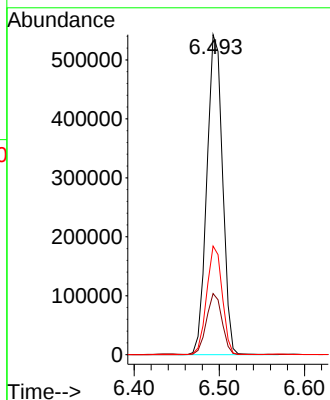
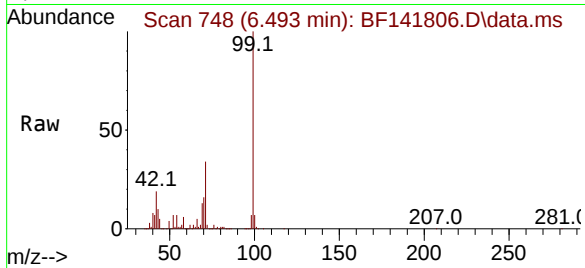




#7
Phenol-d6
Concen: 34.946 ng
RT: 6.493 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

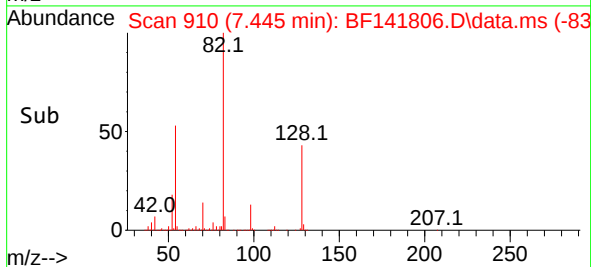
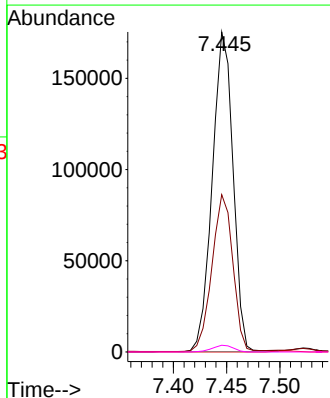
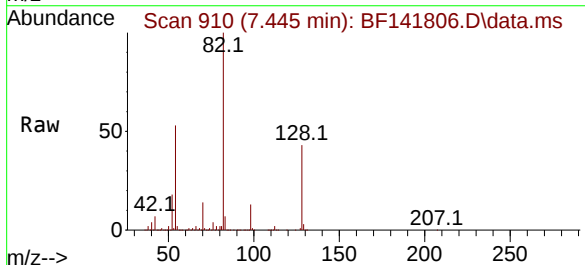
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

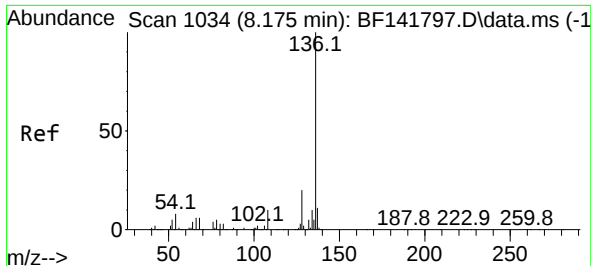
Tgt Ion: 99 Resp: 694004
Ion Ratio Lower Upper
99 100
42 19.1 15.2 22.8
71 33.9 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.206 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion: 70 Resp: 237683
Ion Ratio Lower Upper
70 100
42 49.2 45.4 68.0
101 0.0 7.8 11.8#
130 2.1 16.6 24.8#



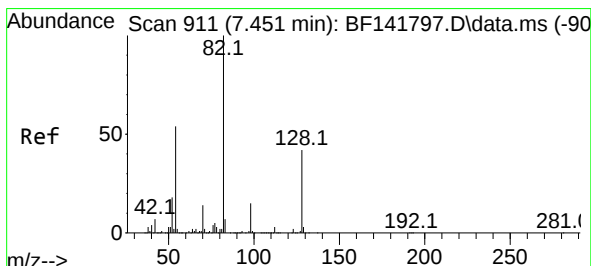
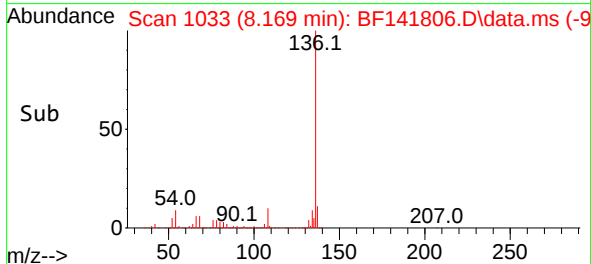
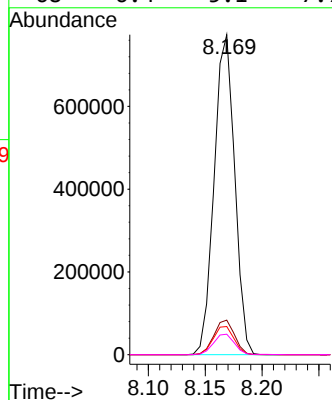
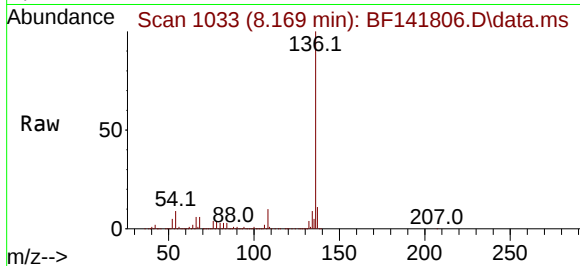


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

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

Tgt Ion:136 Resp: 971925

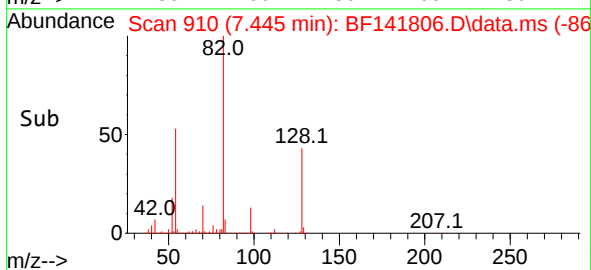
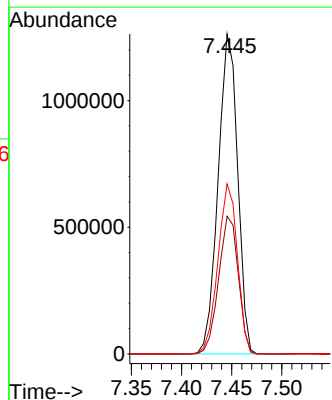
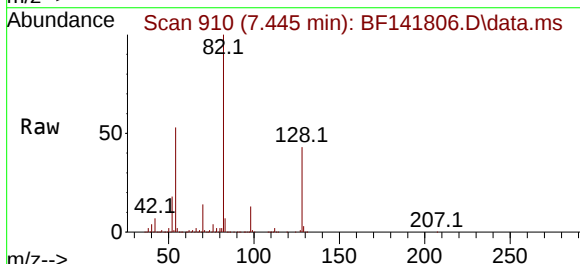
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.8	6.9	10.3
68	6.4	5.1	7.7

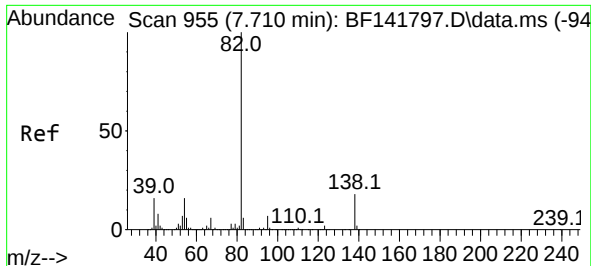


#23
Nitrobenzene-d5
Concen: 112.336 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion: 82 Resp: 1708110

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.5	50.3
54	53.1	42.7	64.1

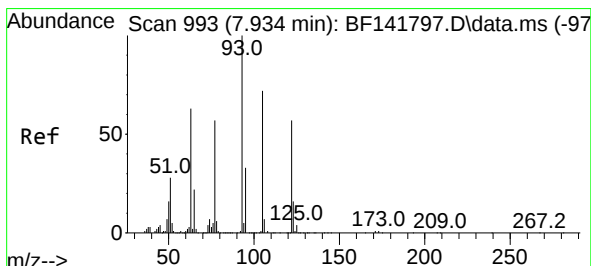
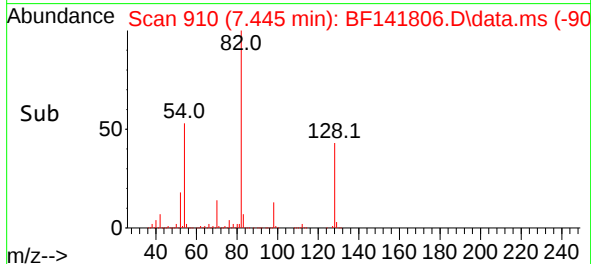
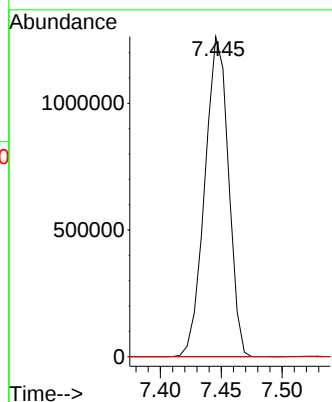
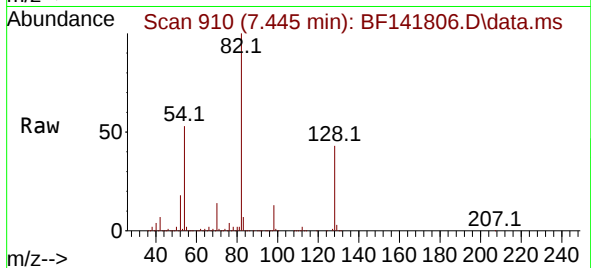




#25
Isophorone
Concen: 52.172 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

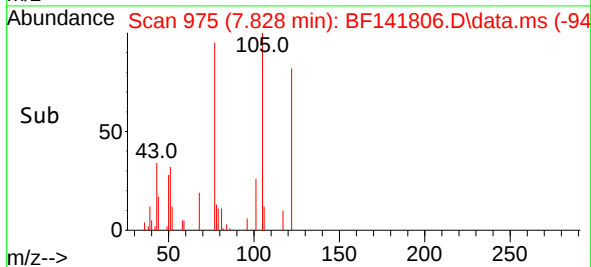
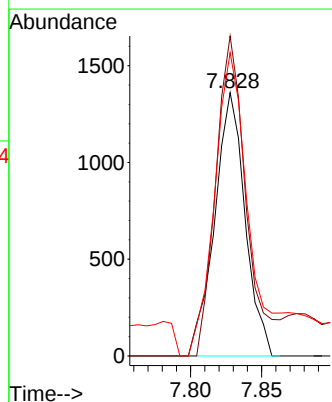
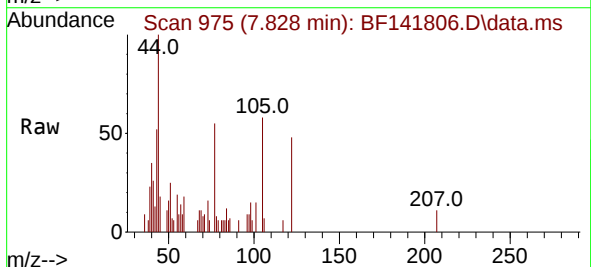
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

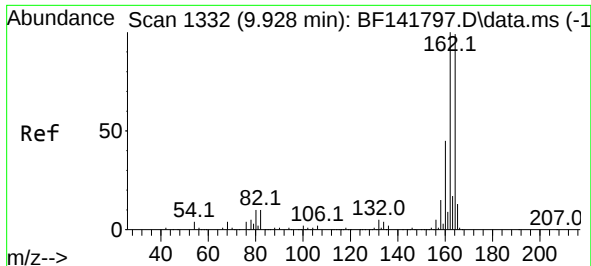
Tgt Ion: 82 Resp: 1704284
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.860 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.106 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion:122 Resp: 2024
Ion Ratio Lower Upper
122 100
105 121.5 105.8 145.8
77 115.2 79.9 119.9

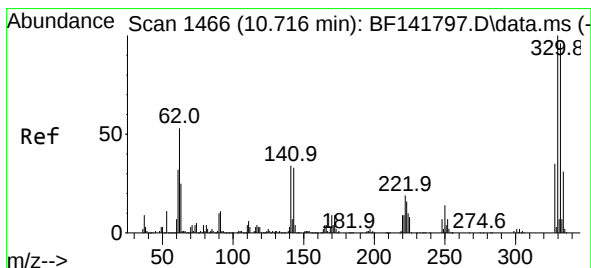
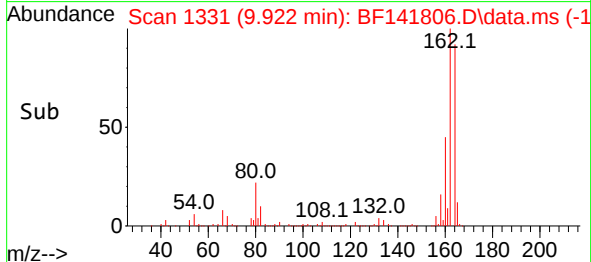
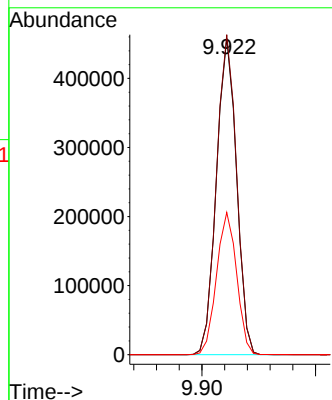
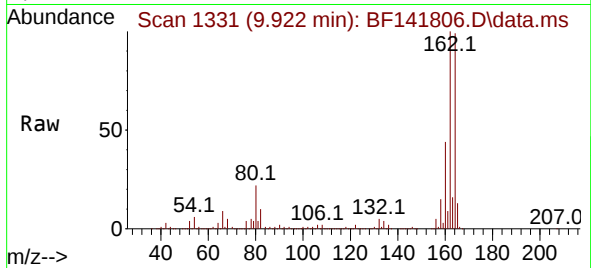




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

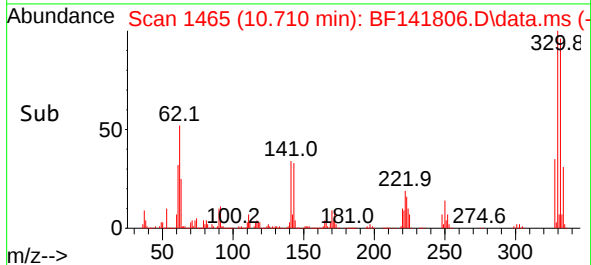
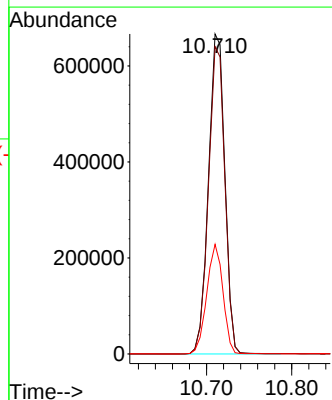
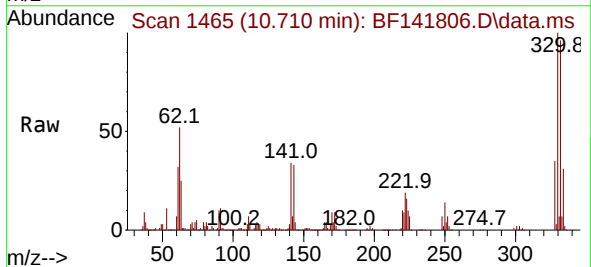
Instrument :
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ClientSampleId :
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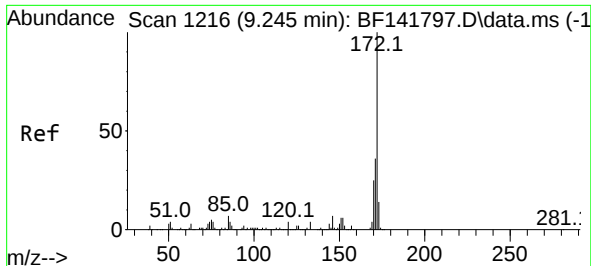
Tgt Ion:164 Resp: 563590
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.0 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 168.346 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion:330 Resp: 890734
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 33.8 29.0 43.4

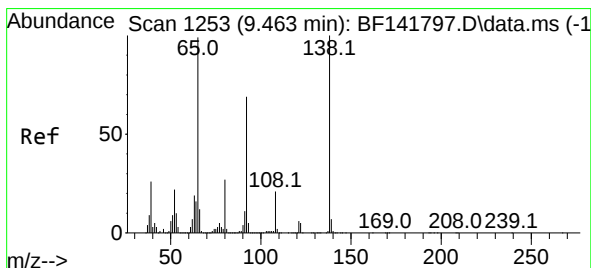
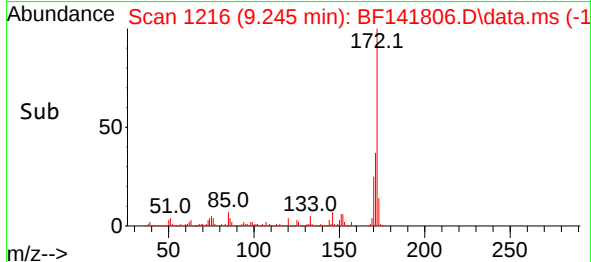
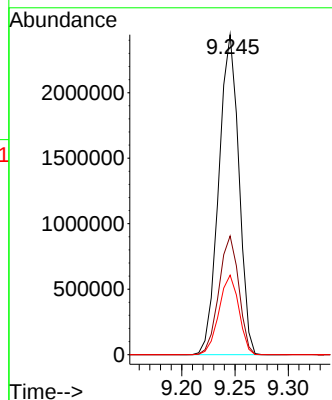
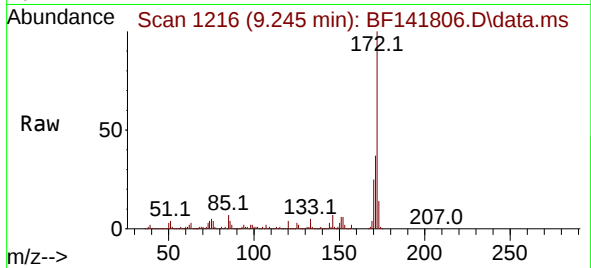




#45
2-Fluorobiphenyl
Concen: 90.800 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

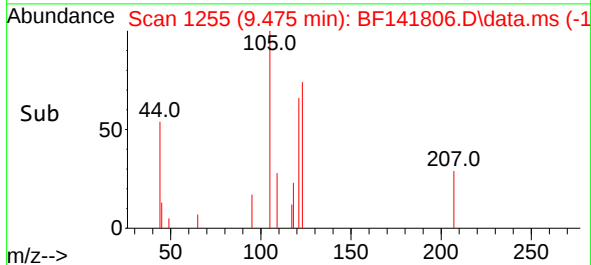
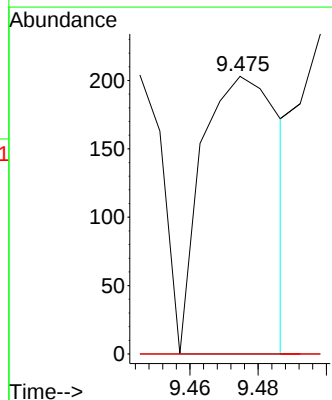
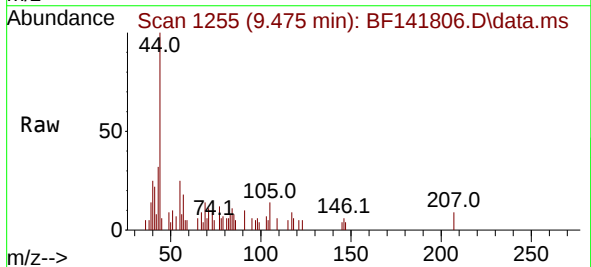
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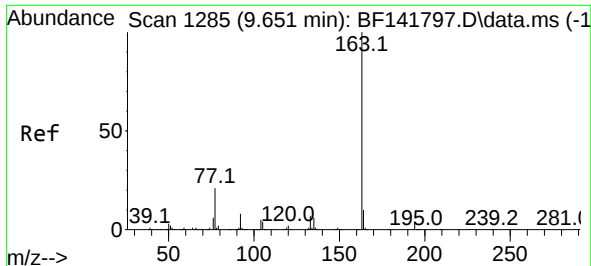
Tgt Ion:172 Resp: 3191505
Ion Ratio Lower Upper
172 100
171 37.1 29.2 43.8
170 24.8 19.7 29.5



#48
2-Nitroaniline
Concen: 4.373 ng
RT: 9.475 min Scan# 1255
Delta R.T. 0.012 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion: 65 Resp: 320
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#

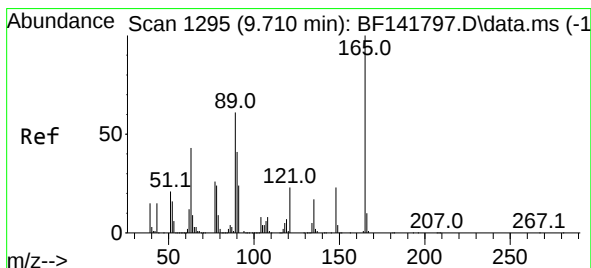
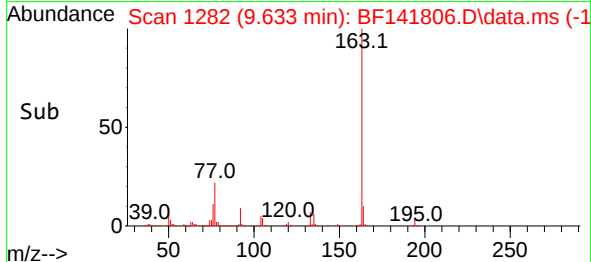
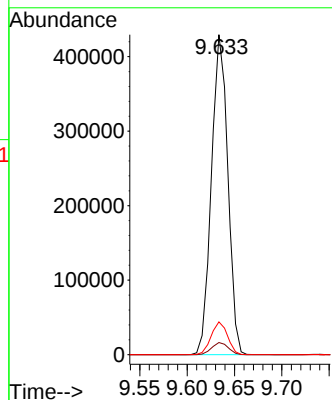
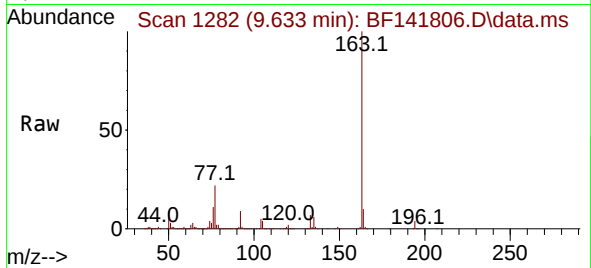




#50
Dimethylphthalate
Concen: 13.658 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.018 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

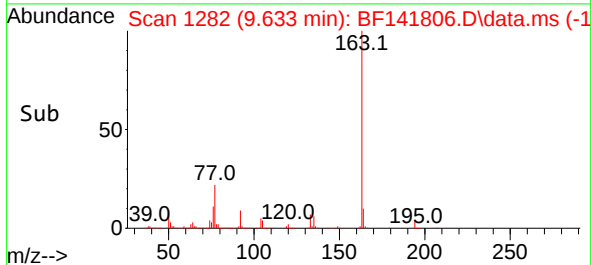
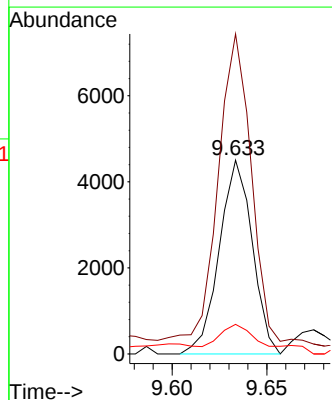
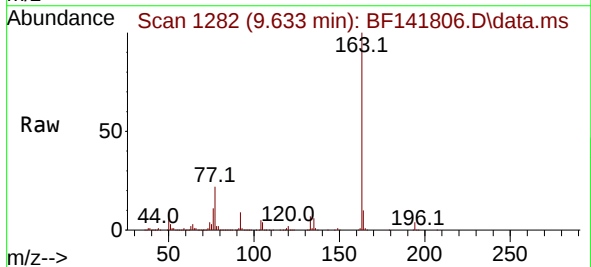
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

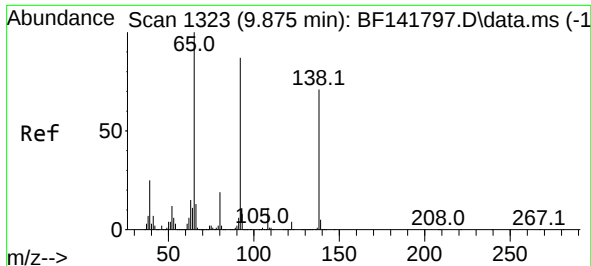
Tgt Ion:163 Resp: 515496
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.3 8.4 12.6



#51
2,6-Dinitrotoluene
Concen: 3.541 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.077 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion:165 Resp: 5464
Ion Ratio Lower Upper
165 100
63 165.1 49.5 74.3#
89 15.2 49.0 73.4#

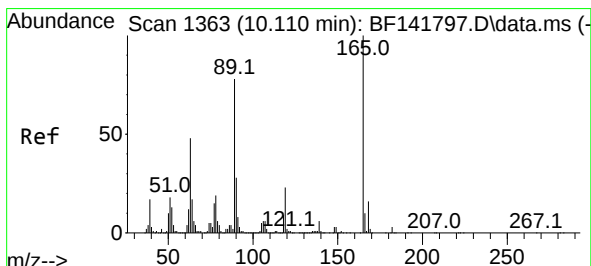
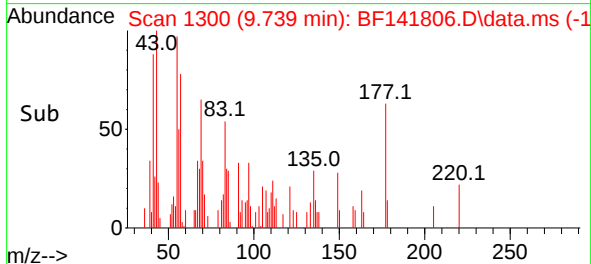
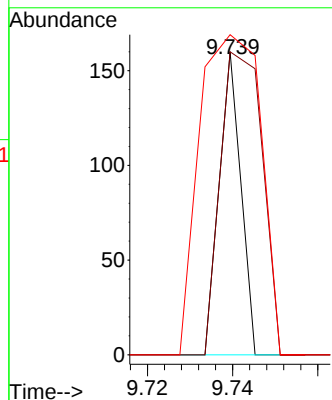
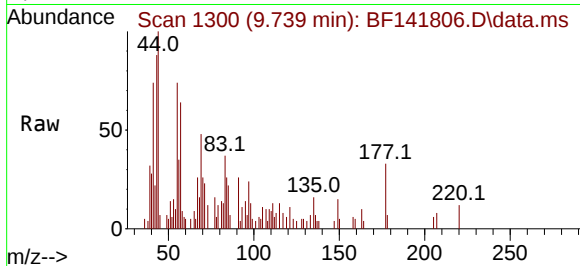




#53
3-Nitroaniline
Concen: 2.974 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.136 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

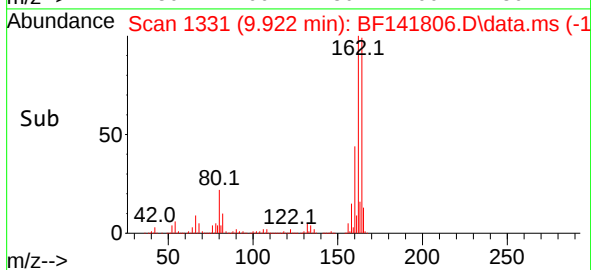
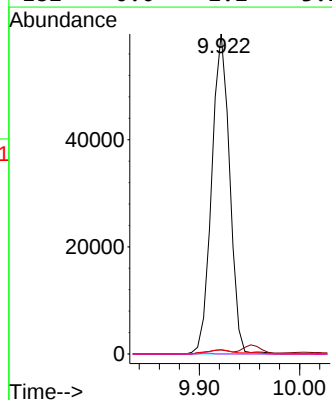
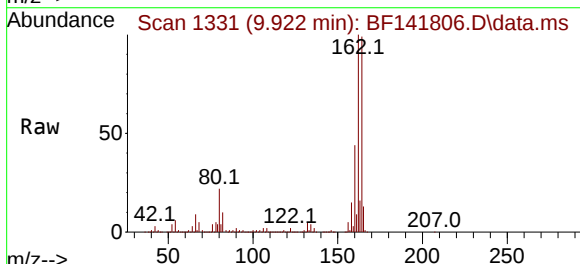
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF01-02

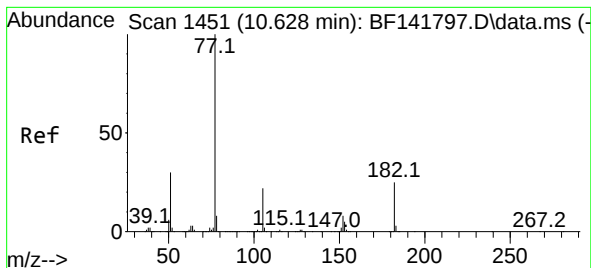
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 100.0 12.7 19.1#
92 105.6 97.9 146.9



#57
2,4-Dinitrotoluene
Concen: 11.343 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF141806.D
Acq: 28 Feb 2025 13:22

Tgt Ion:165 Resp: 74414
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.3 62.6 94.0#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.313 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02

Tgt Ion: 77 Resp: 171820

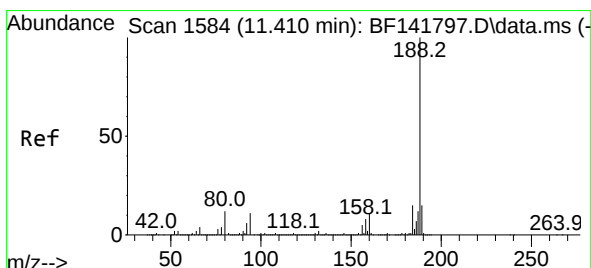
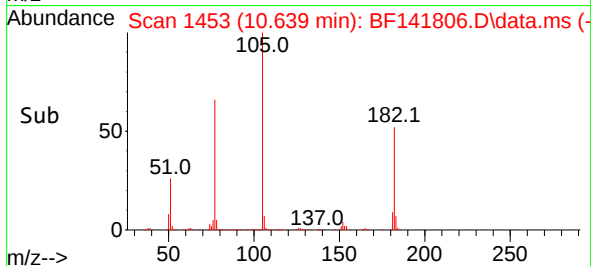
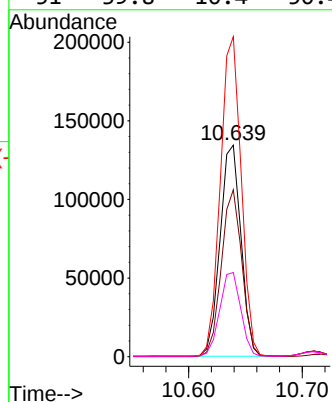
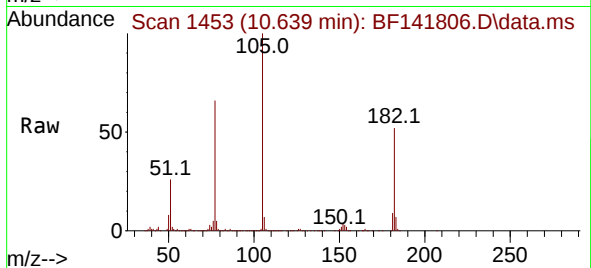
Ion Ratio Lower Upper

77 100

182 78.9 4.2 44.2#

105 151.3 1.5 41.5#

51 39.8 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

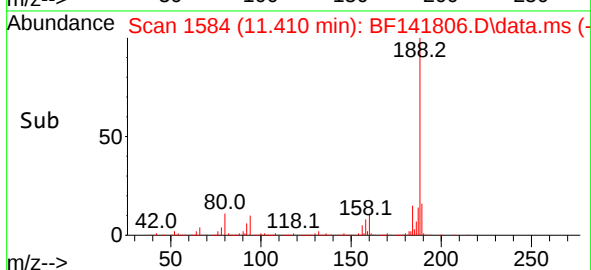
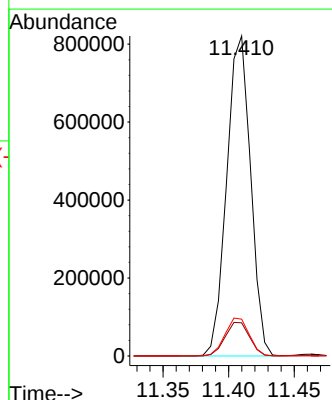
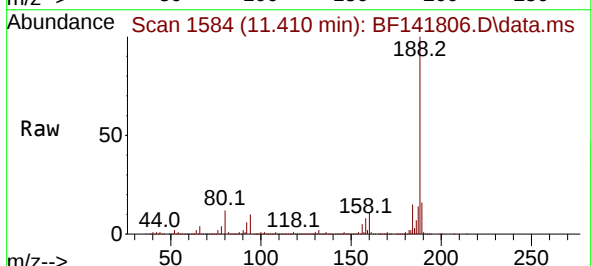
Tgt Ion:188 Resp: 1041256

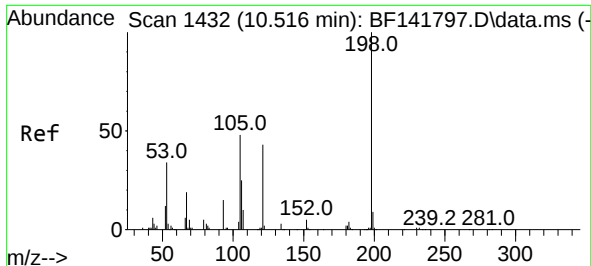
Ion Ratio Lower Upper

188 100

94 10.3 8.9 13.3

80 11.5 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.499 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.194 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02

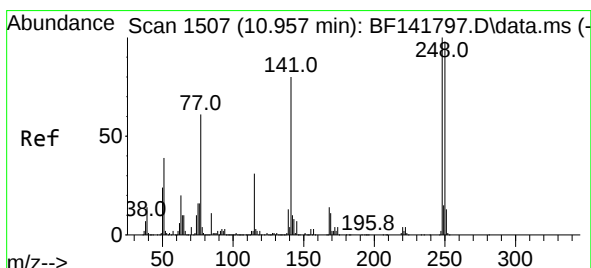
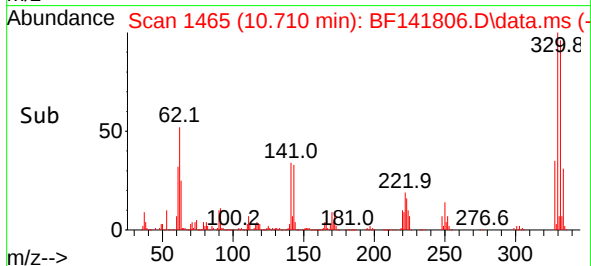
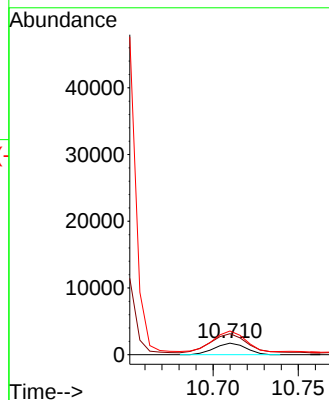
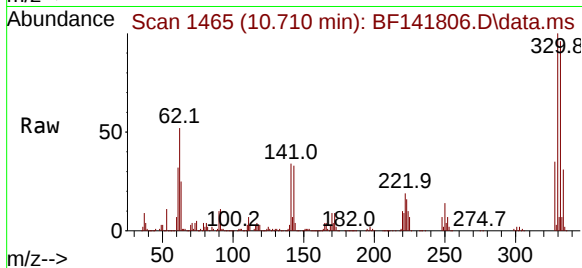
Tgt Ion:198 Resp: 2201

Ion Ratio Lower Upper

198 100

51 181.5 32.1 72.1#

105 205.3 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 5.077 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

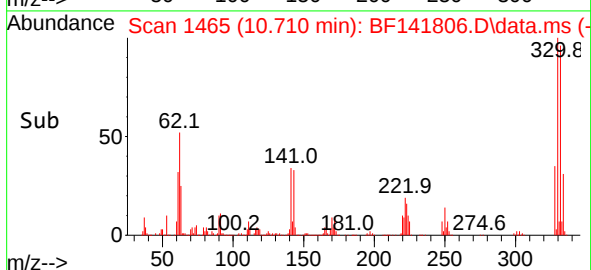
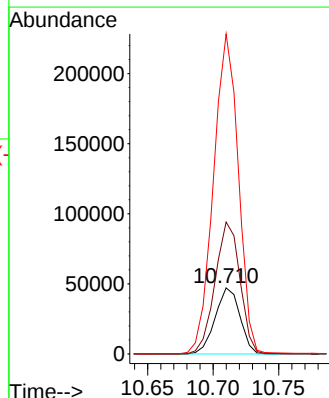
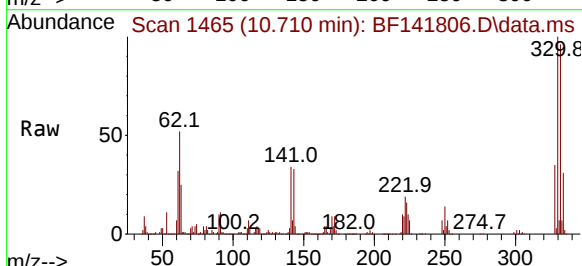
Tgt Ion:248 Resp: 61750

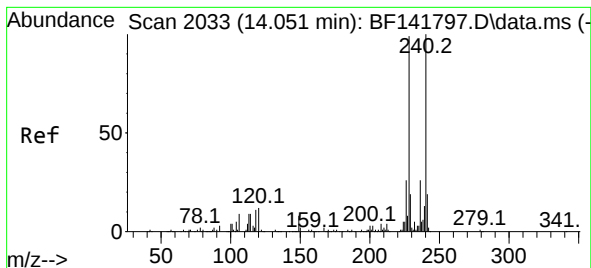
Ion Ratio Lower Upper

248 100

250 199.6 78.1 117.1#

141 483.7 64.3 96.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02

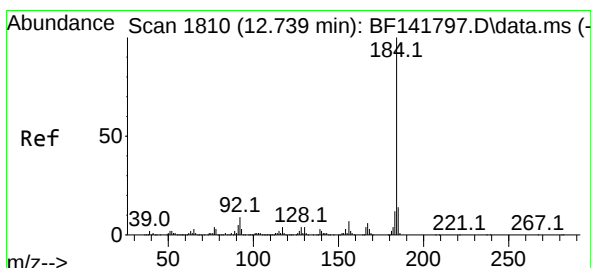
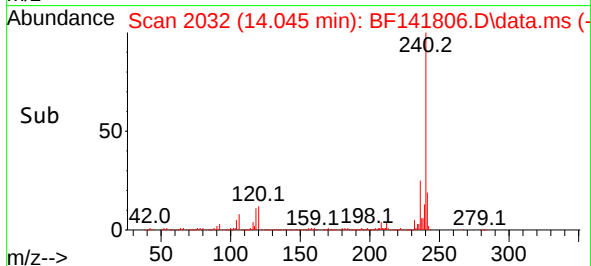
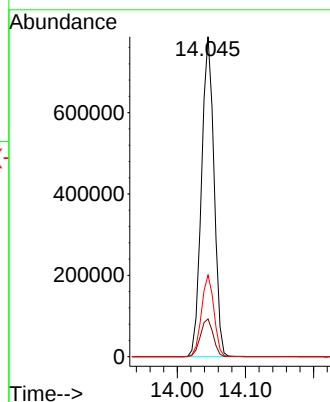
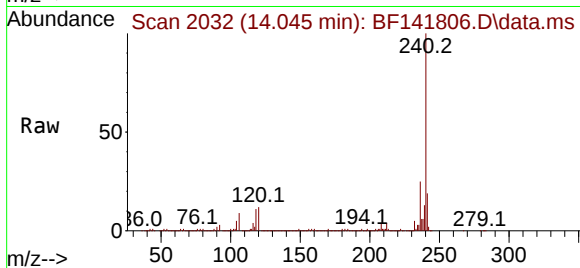
Tgt Ion:240 Resp: 1003213

Ion Ratio Lower Upper

240 100

120 11.8 9.7 14.5

236 25.5 21.0 31.4



#77

Benzidine

Concen: 5.344 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.259 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

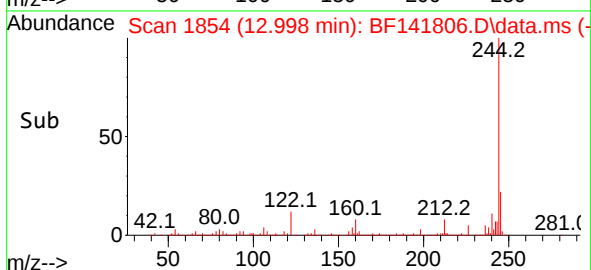
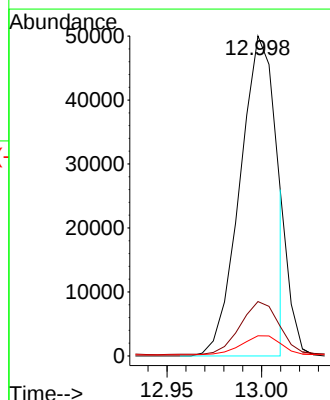
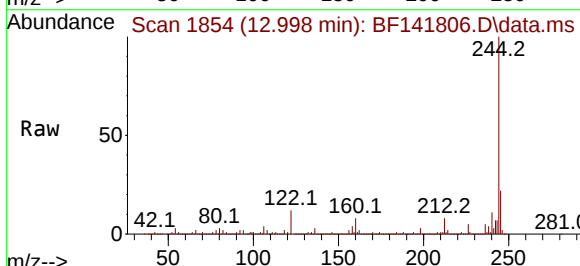
Tgt Ion:184 Resp: 67484

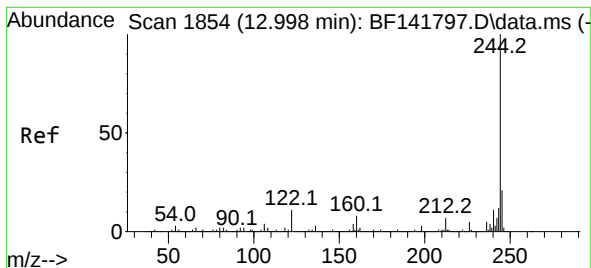
Ion Ratio Lower Upper

184 100

185 17.0 11.6 17.4

183 6.3 9.4 14.0#





#79

Terphenyl-d14

Concen: 77.651 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141806.D

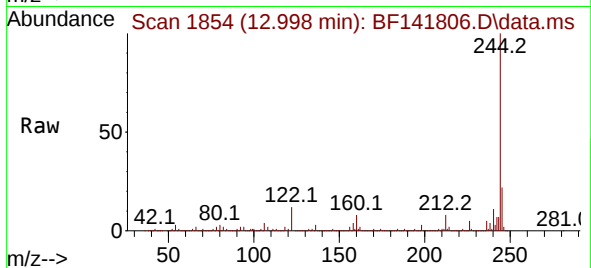
Acq: 28 Feb 2025 13:22

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF01-02



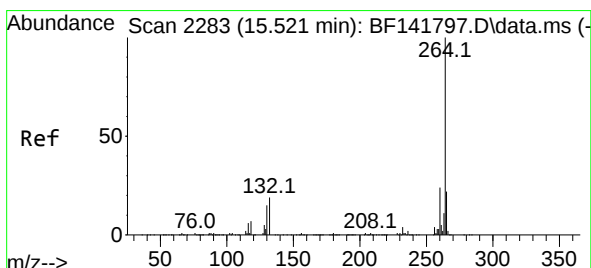
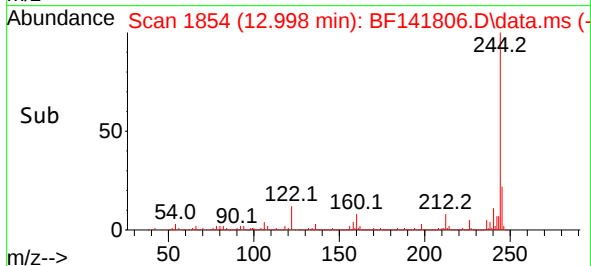
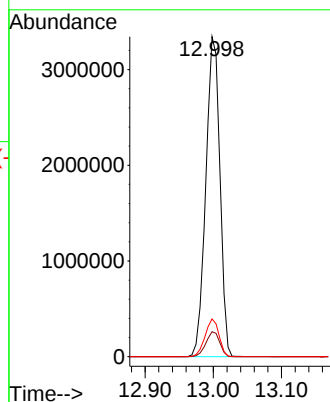
Tgt Ion:244 Resp: 4814860

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 11.8 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.000 min

Lab File: BF141806.D

Acq: 28 Feb 2025 13:22

Tgt Ion:264 Resp: 850977

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.9 17.4 26.0

