

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022825\
 Data File : BF141807.D
 Acq On : 28 Feb 2025 13:52
 Operator : RC/JU
 Sample : Q1421-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 28 14:58:02 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

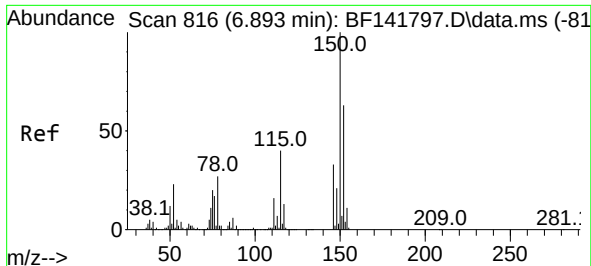
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	260046	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1033711	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	583774	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	1061722	20.000	ng	0.00
76) Chrysene-d12	14.045	240	832766	20.000	ng	0.00
86) Perylene-d12	15.516	264	649277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1049095	64.427	ng	0.00
7) Phenol-d6	6.498	99	821014	38.737	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1868922	115.566	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	927516	169.237	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3474692	95.439	ng	0.00
79) Terphenyl-d14	12.998	244	4754792	92.377	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	265119	19.029	ng	# 80
25) Isophorone	7.445	82	1864474	53.665	ng	# 66
26) 2-Nitrophenol	7.545	139	127	4.565	ng	# 32
32) Benzoic acid	7.822	122	1352	7.797	ng	# 80
48) 2-Nitroaniline	9.357	65	725	4.413	ng	# 6
50) Dimethylphthalate	9.634	163	474210	12.130	ng	# 99
51) 2,6-Dinitrotoluene	9.634	165	4936	3.450	ng	# 5
53) 3-Nitroaniline	10.022	138	195	2.990	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	76148	11.249	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.710	198	2373	8.520	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	64130	5.171	ng	# 1
77) Benzidine	12.998	184	68044	6.492	ng	# 93

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

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QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

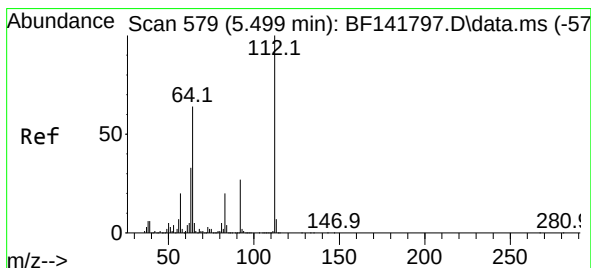
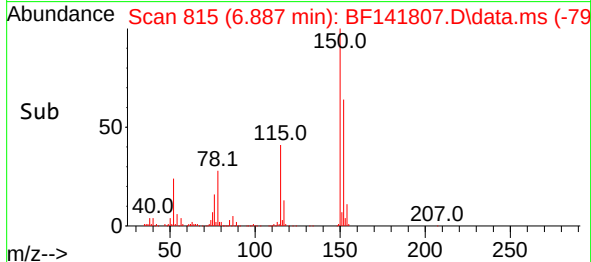
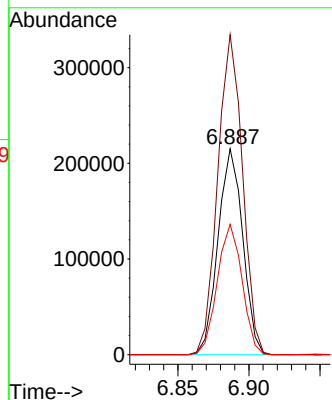
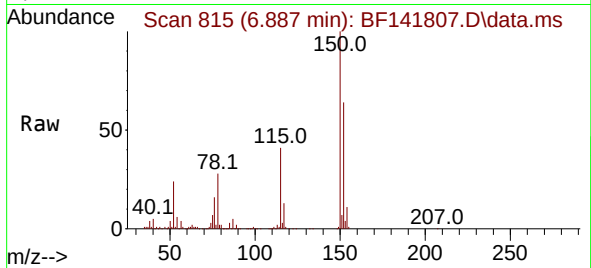




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141807.D
 Acq: 28 Feb 2025 13:52

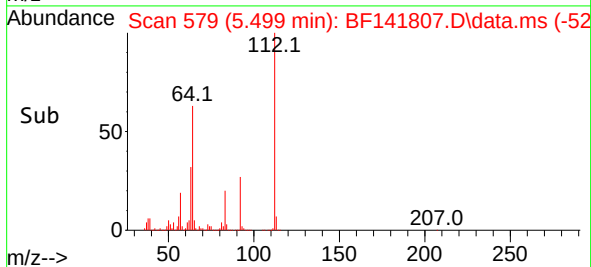
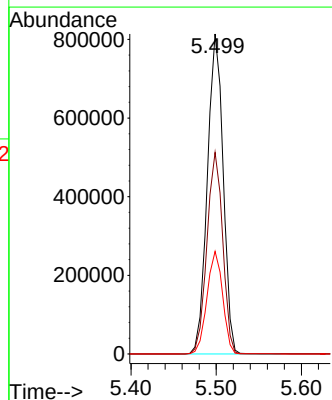
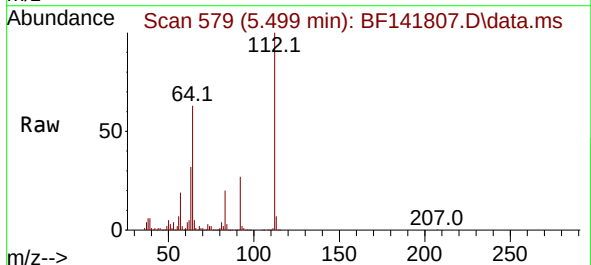
Instrument :
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 P001-CLAY-CF02-01

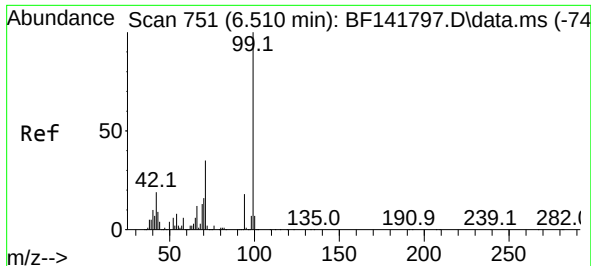
Tgt Ion:152 Resp: 260046
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.5 191.3
 115 63.3 51.4 77.2



#5
 2-Fluorophenol
 Concen: 64.427 ng
 RT: 5.499 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141807.D
 Acq: 28 Feb 2025 13:52

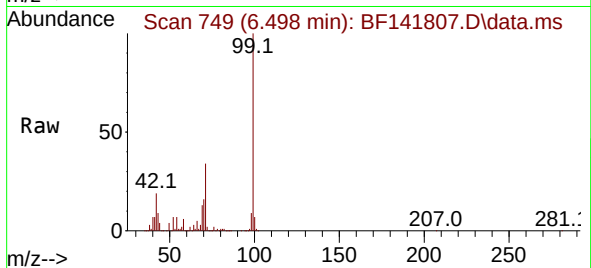
Tgt Ion:112 Resp: 1049095
 Ion Ratio Lower Upper
 112 100
 64 63.0 51.3 76.9
 63 32.1 26.2 39.4



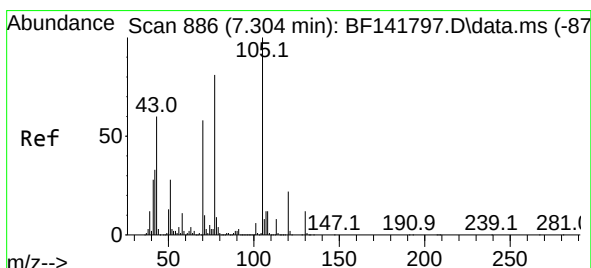
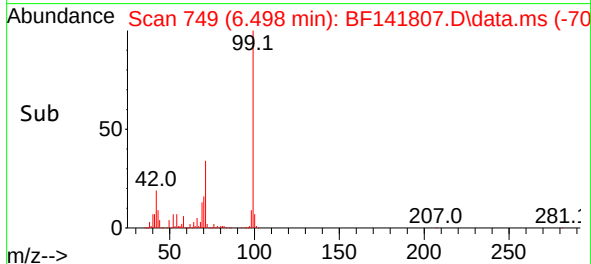
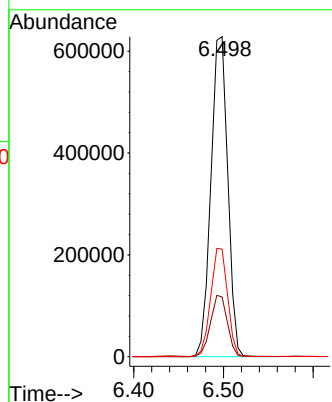


#7
Phenol-d6
Concen: 38.737 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

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

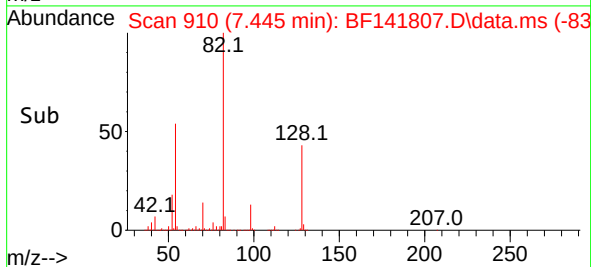
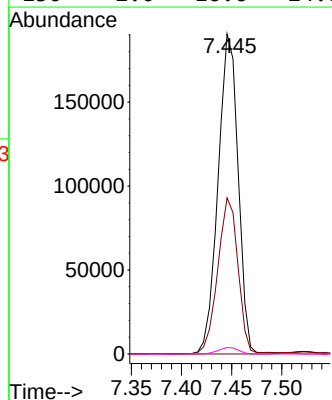
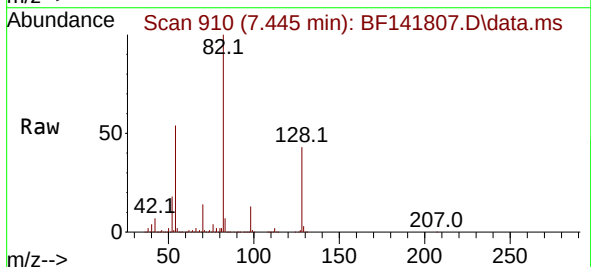


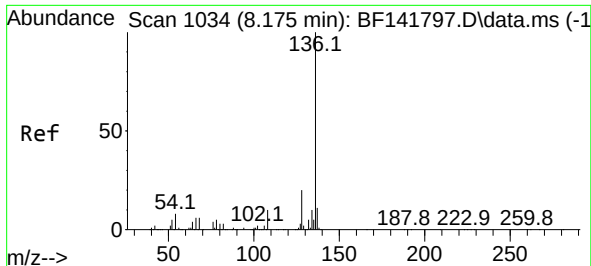
Tgt Ion:	99	Resp:	821014
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.2	22.8
71	33.6	28.2	42.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.029 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

Tgt Ion:	70	Resp:	265119
Ion	Ratio	Lower	Upper
70	100		
42	48.8	45.4	68.0
101	0.0	7.8	11.8#
130	2.0	16.6	24.8#



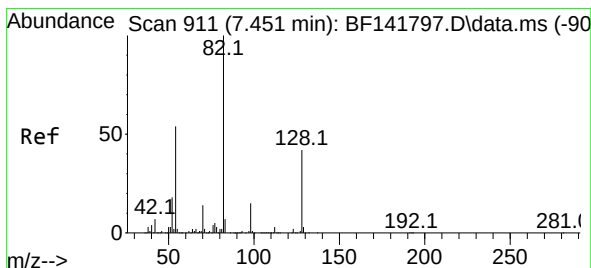
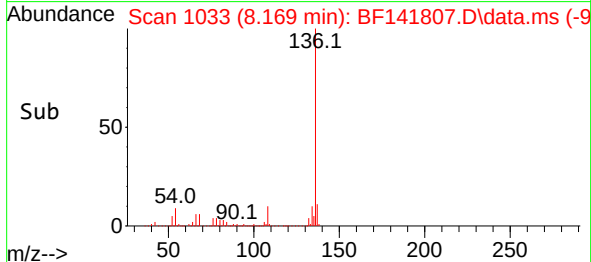
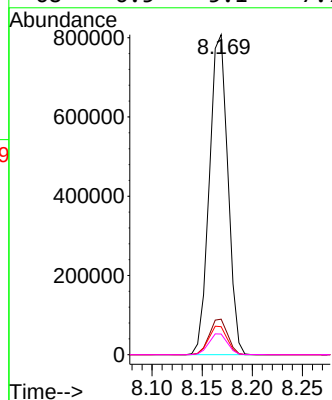
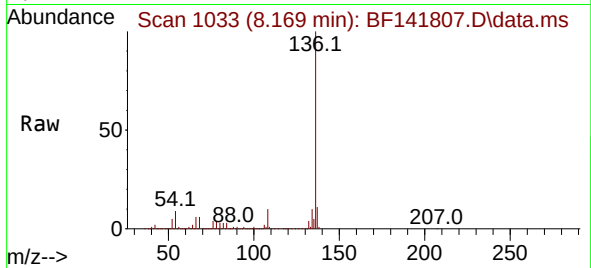


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

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

Tgt Ion:136 Resp: 1033711

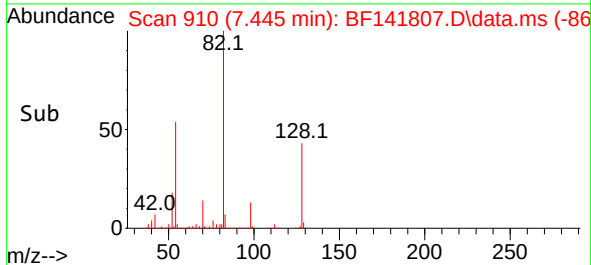
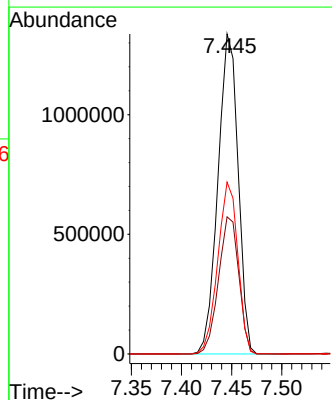
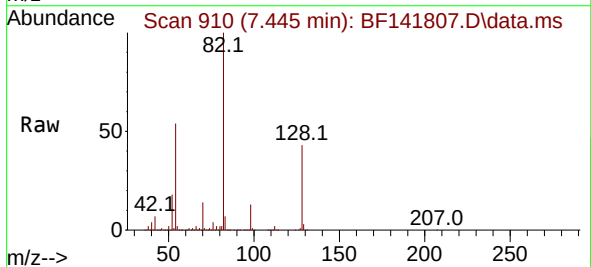
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	6.9	10.3
68	6.5	5.1	7.7

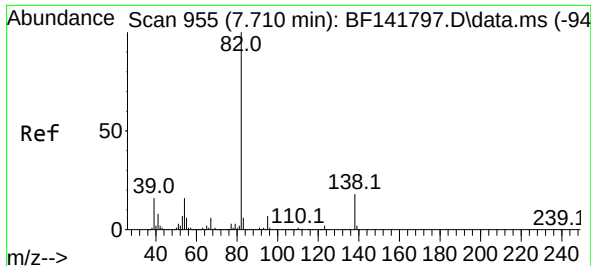


#23
Nitrobenzene-d5
Concen: 115.566 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

Tgt Ion: 82 Resp: 1868922

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.5	50.3
54	53.7	42.7	64.1

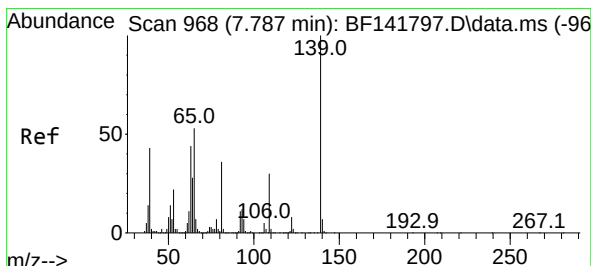
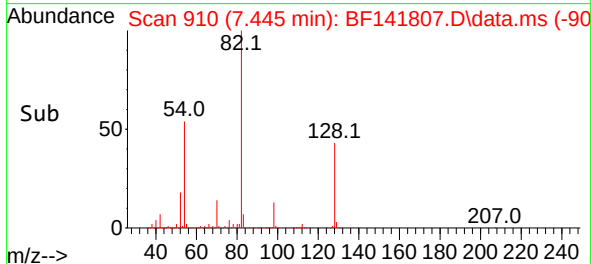
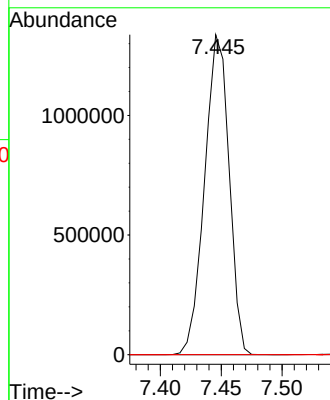
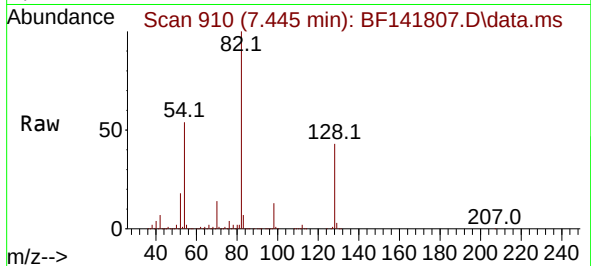




#25
Isophorone
Concen: 53.665 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

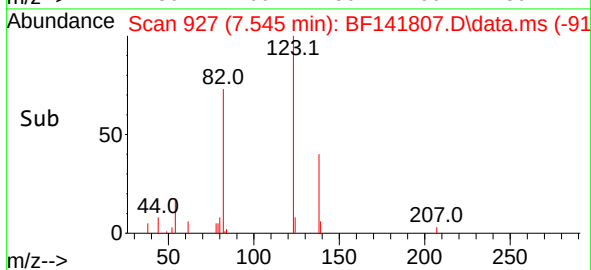
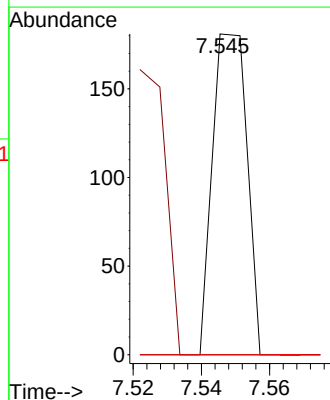
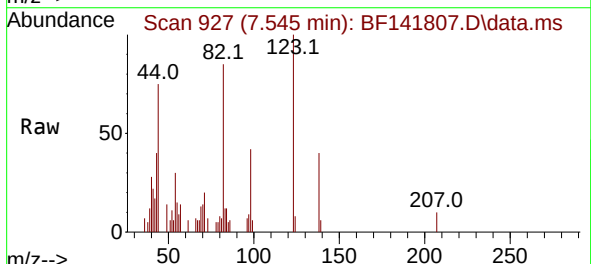
Instrument :
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ClientSampleId :
P001-CLAY-CF02-01

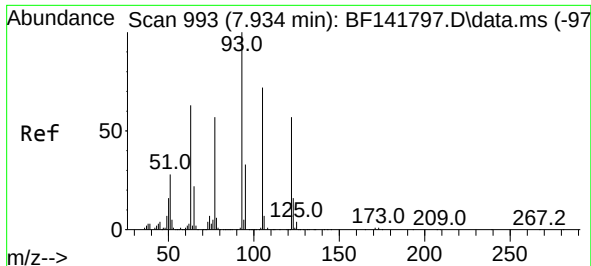
Tgt Ion: 82 Resp: 1864474
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.565 ng
RT: 7.545 min Scan# 927
Delta R.T. -0.242 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

Tgt Ion:139 Resp: 127
Ion Ratio Lower Upper
139 100
109 0.0 24.1 36.1#
65 0.0 42.3 63.5#

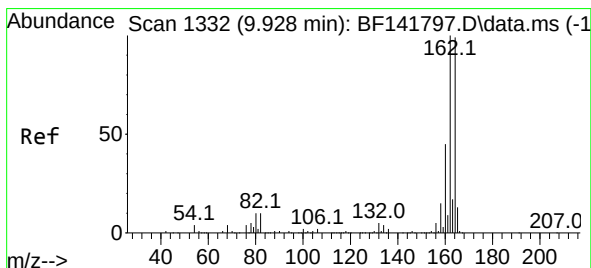
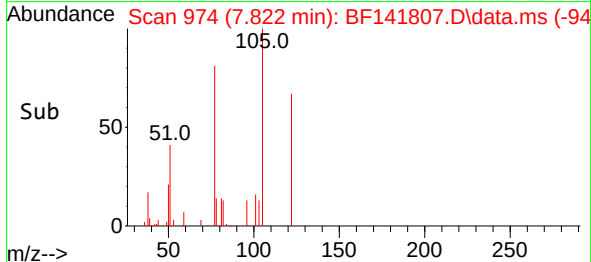
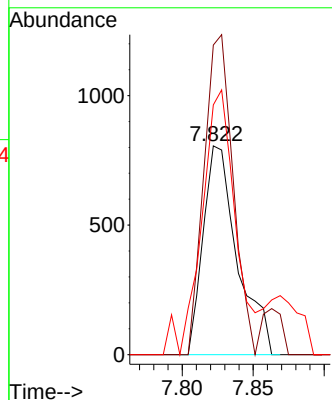
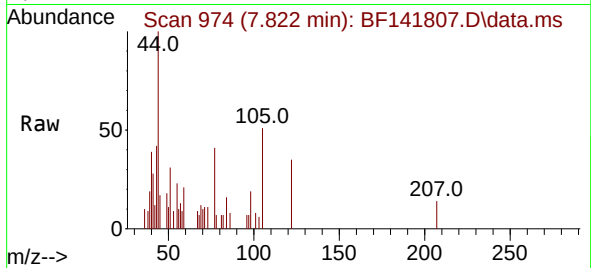




#32
Benzoic acid
Concen: 7.797 ng
RT: 7.822 min Scan# 91
Delta R.T. -0.112 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

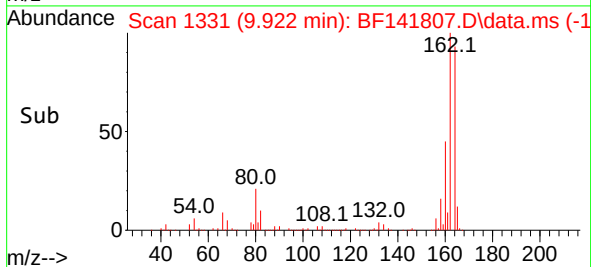
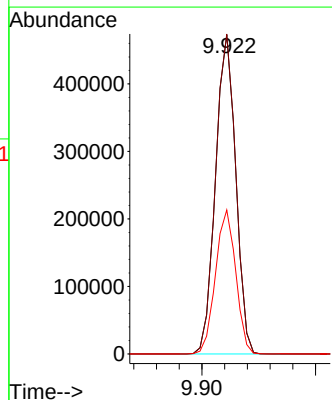
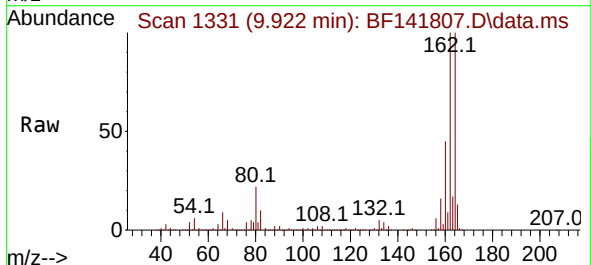
Instrument :
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ClientSampleId :
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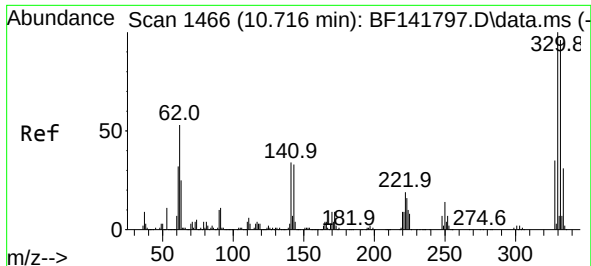
Tgt Ion:122 Resp: 1352
Ion Ratio Lower Upper
122 100
105 148.3 105.8 145.8#
77 119.6 79.9 119.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

Tgt Ion:164 Resp: 583774
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 45.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 169.237 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01

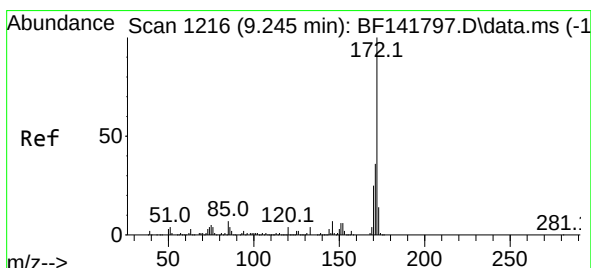
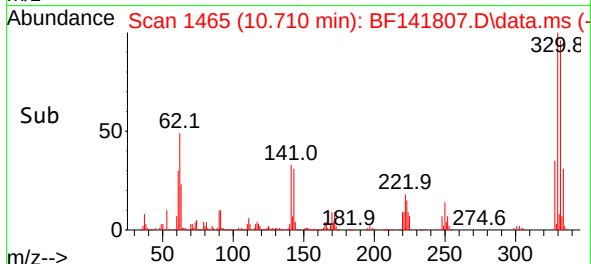
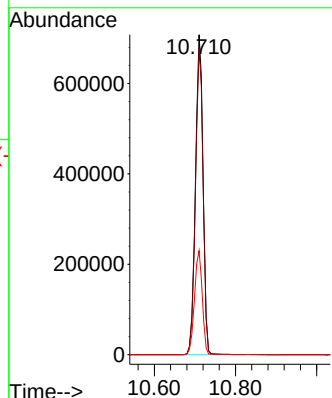
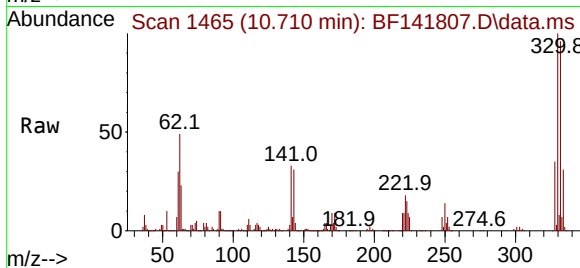
Tgt Ion:330 Resp: 927516

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

141 33.3 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 95.439 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

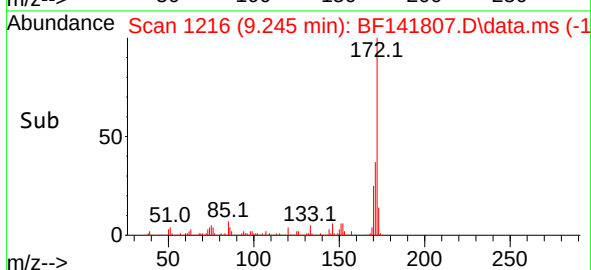
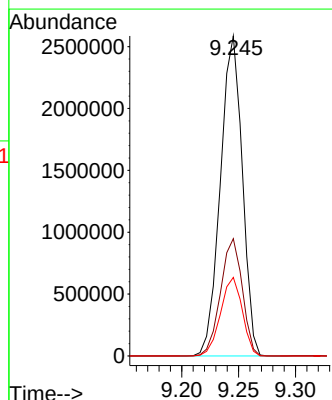
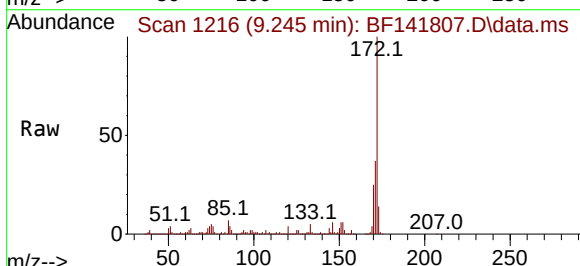
Tgt Ion:172 Resp: 3474692

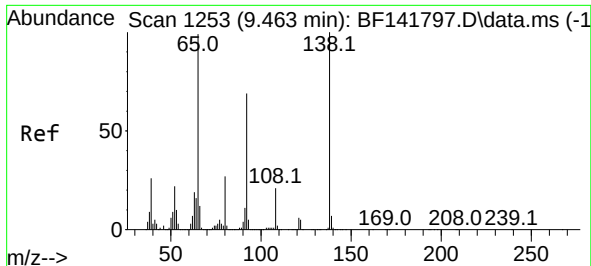
Ion Ratio Lower Upper

172 100

171 36.7 29.2 43.8

170 24.6 19.7 29.5

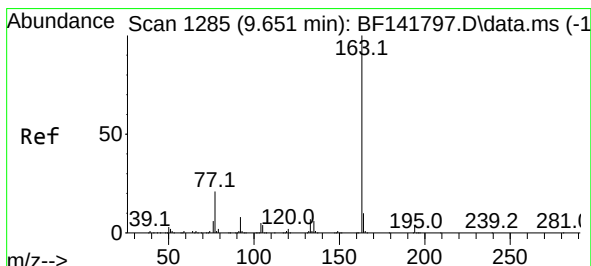
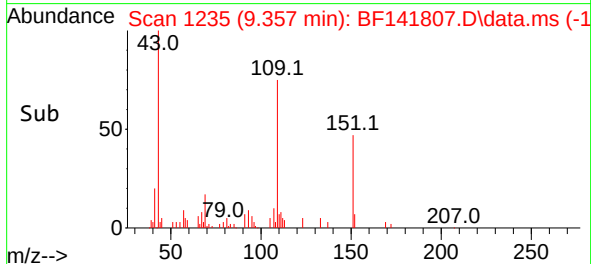
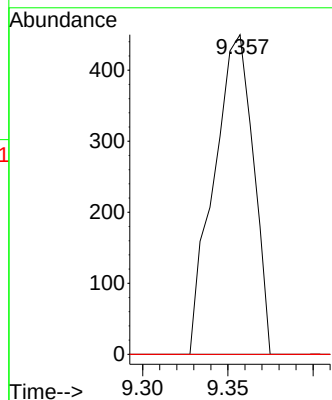
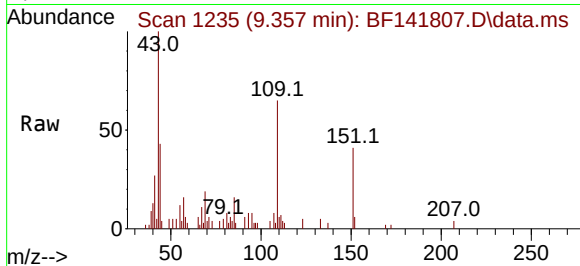




#48
2-Nitroaniline
Concen: 4.413 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

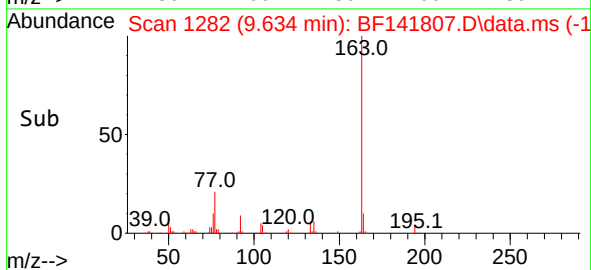
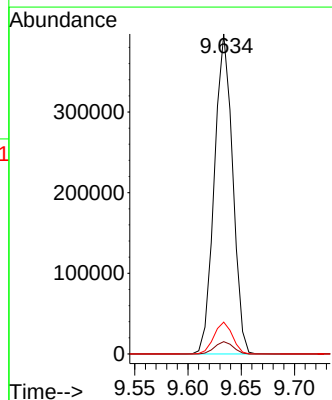
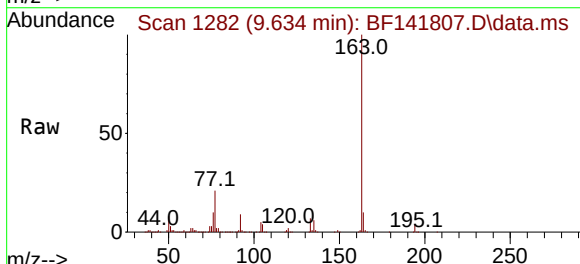
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF02-01

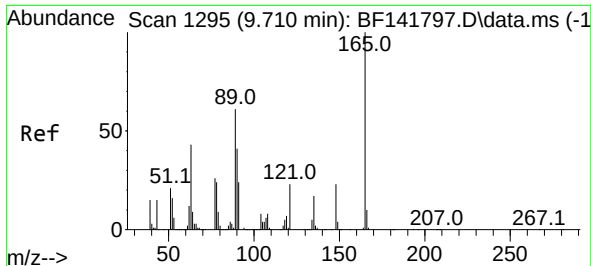
Tgt Ion: 65 Resp: 725
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#



#50
Dimethylphthalate
Concen: 12.130 ng
RT: 9.634 min Scan# 1282
Delta R.T. -0.018 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

Tgt Ion:163 Resp: 474210
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.0 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 3.450 ng

RT: 9.634 min Scan# 11

Delta R.T. -0.076 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01

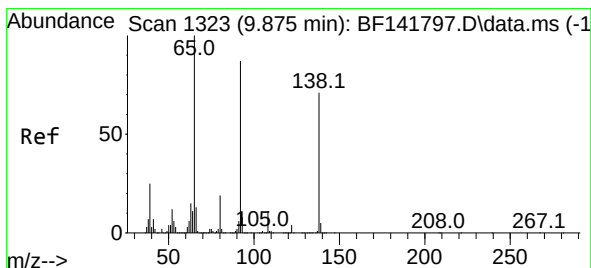
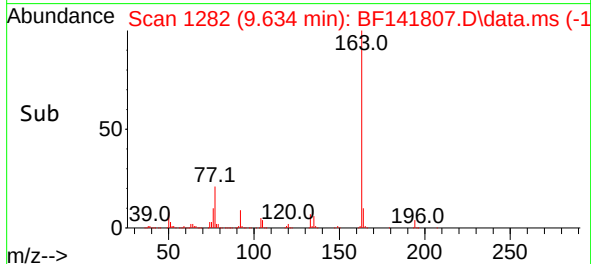
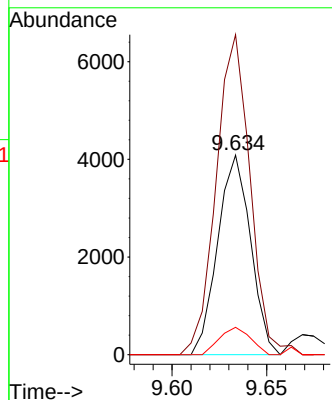
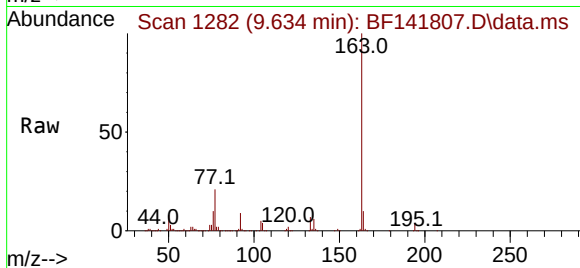
Tgt Ion:165 Resp: 4936

Ion Ratio Lower Upper

165 100

63 160.4 49.5 74.3#

89 13.7 49.0 73.4#



#53

3-Nitroaniline

Concen: 2.990 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.147 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

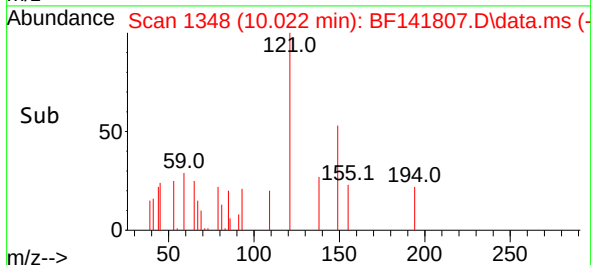
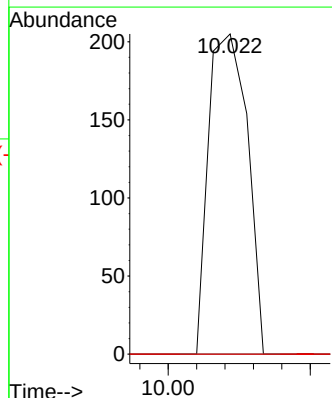
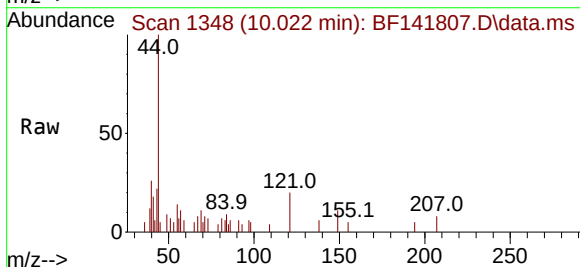
Tgt Ion:138 Resp: 195

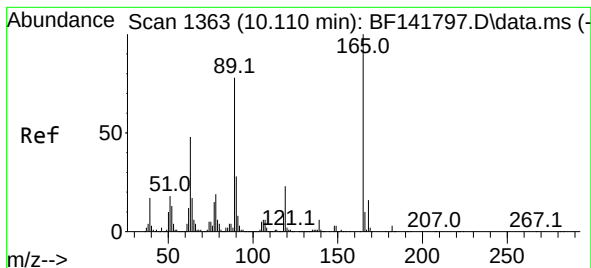
Ion Ratio Lower Upper

138 100

108 0.0 12.7 19.1#

92 0.0 97.9 146.9#

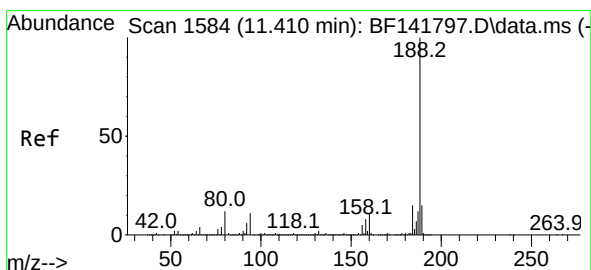
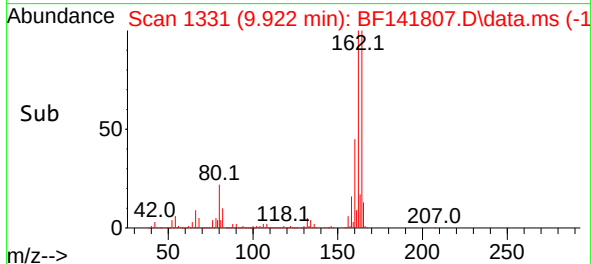
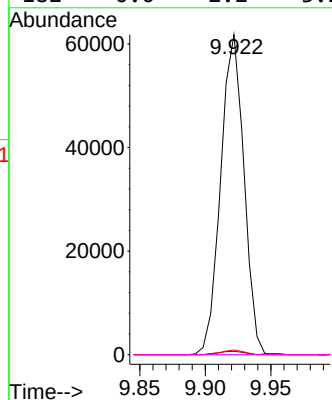
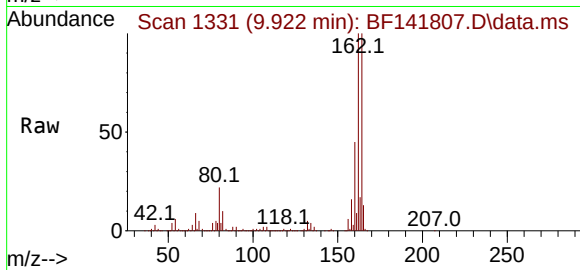




#57
2,4-Dinitrotoluene
Concen: 11.249 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

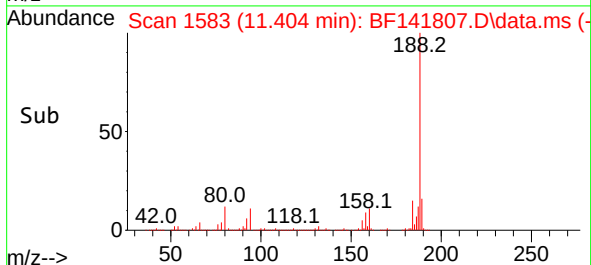
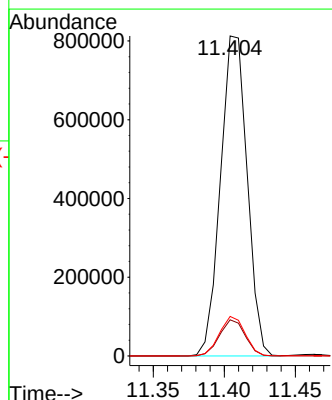
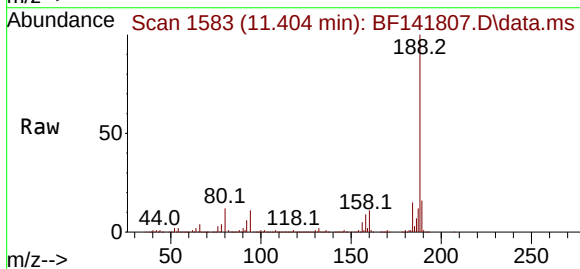
Instrument :
BNA_F
ClientSampleId :
P001-CLAY-CF02-01

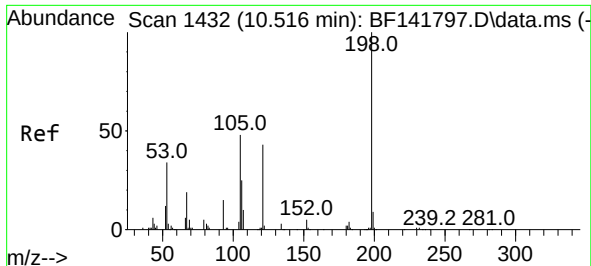
Tgt Ion:165 Resp: 76148
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.4 62.6 94.0#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141807.D
Acq: 28 Feb 2025 13:52

Tgt Ion:188 Resp: 1061722
Ion Ratio Lower Upper
188 100
94 11.3 8.9 13.3
80 12.3 9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.520 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.194 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01

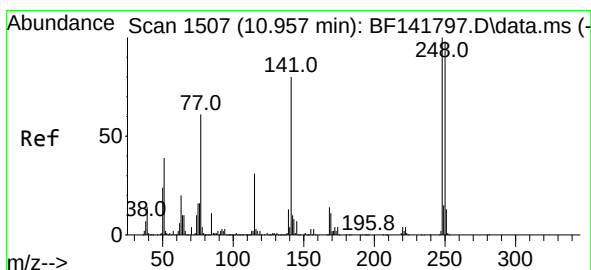
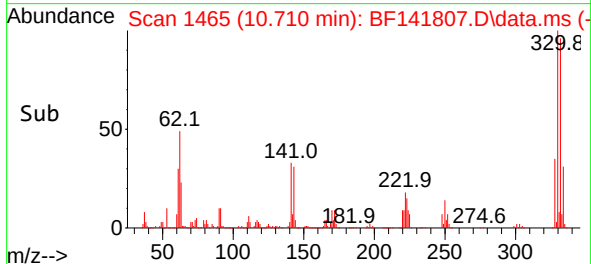
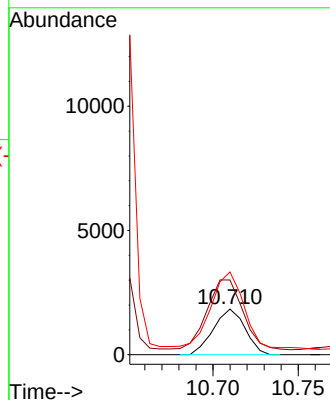
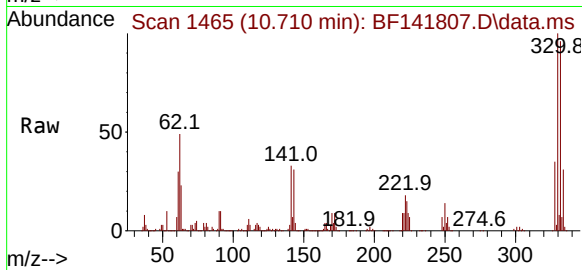
Tgt Ion:198 Resp: 2373

Ion Ratio Lower Upper

198 100

51 163.7 32.1 72.1#

105 181.4 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 5.171 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

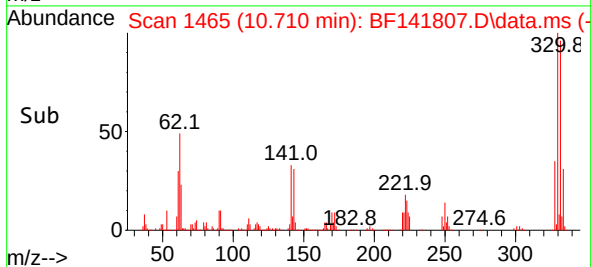
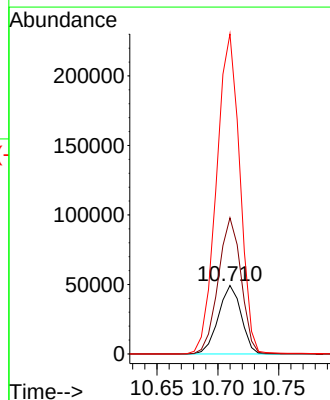
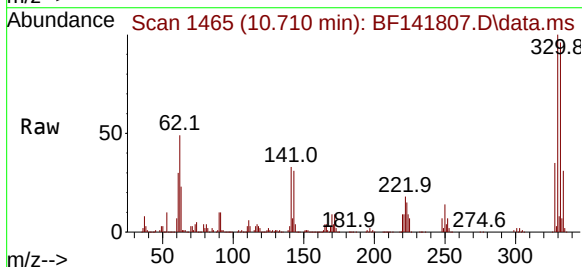
Tgt Ion:248 Resp: 64130

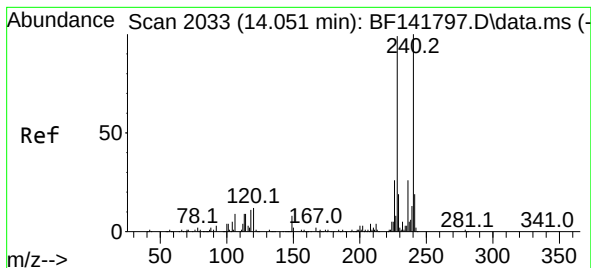
Ion Ratio Lower Upper

248 100

250 199.1 78.1 117.1#

141 467.7 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: BF141807.D

Acq: 28 Feb 2025 13:52

Instrument :

BNA_F

ClientSampleId :

P001-CLAY-CF02-01

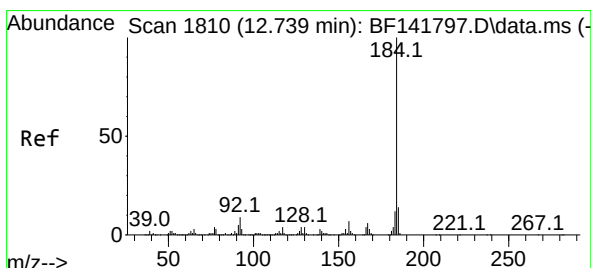
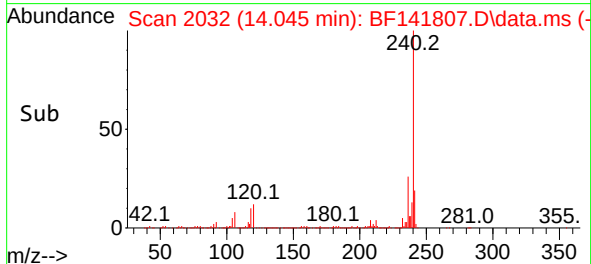
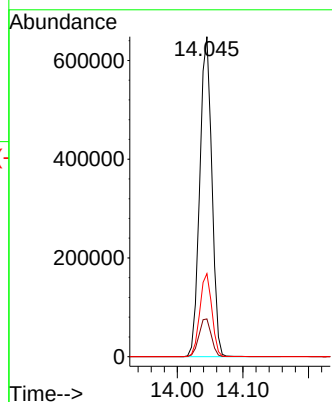
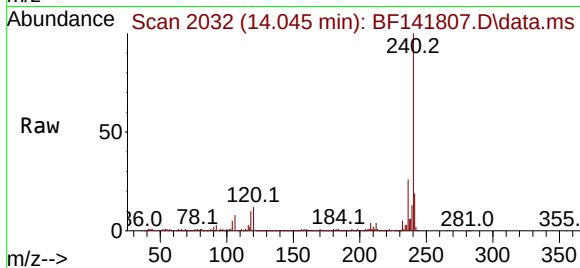
Tgt Ion:240 Resp: 832766

Ion Ratio Lower Upper

240 100

120 11.8 9.7 14.5

236 26.0 21.0 31.4



#77

Benzidine

Concen: 6.492 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.259 min

Lab File: BF141807.D

Acq: 28 Feb 2025 13:52

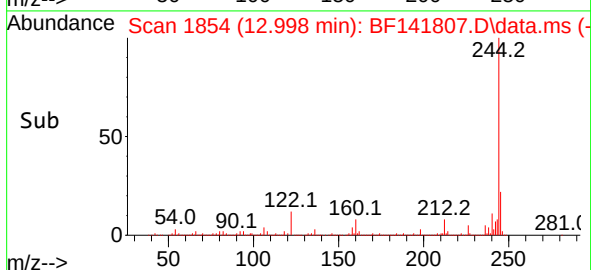
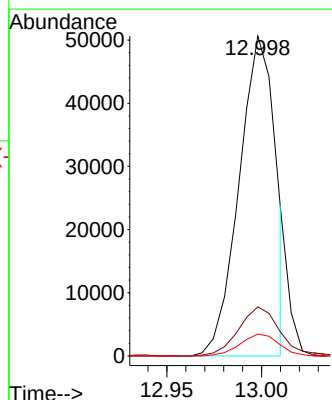
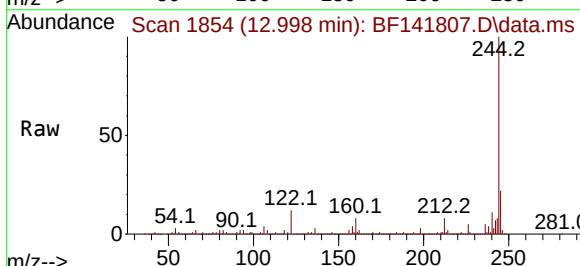
Tgt Ion:184 Resp: 68044

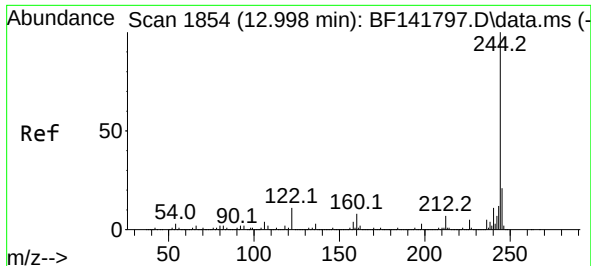
Ion Ratio Lower Upper

184 100

185 15.4 11.6 17.4

183 6.9 9.4 14.0#

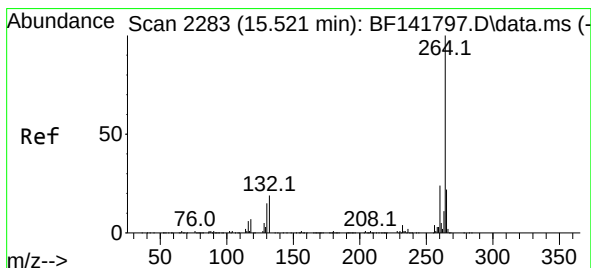
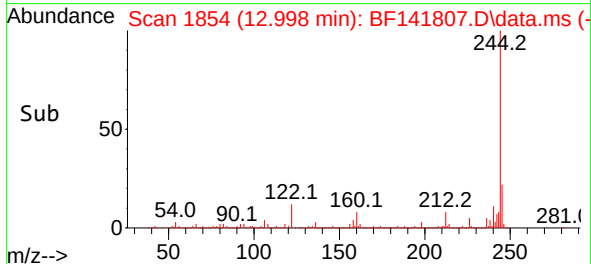
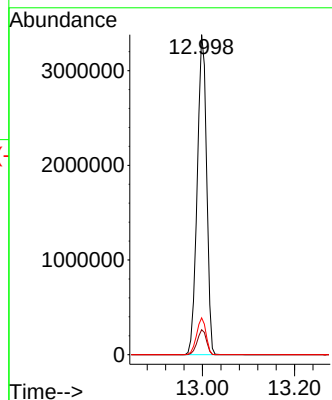
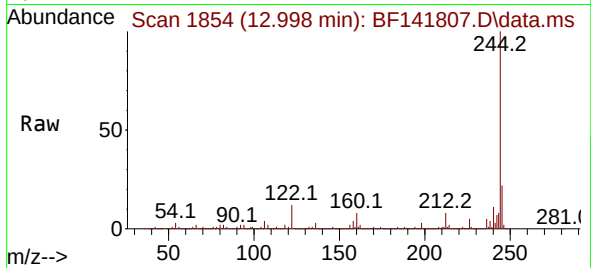




#79
 Terphenyl-d14
 Concen: 92.377 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141807.D
 Acq: 28 Feb 2025 13:52

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

Tgt Ion:244 Resp: 4754792
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 11.5 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.516 min Scan# 2282
 Delta R.T. -0.006 min
 Lab File: BF141807.D
 Acq: 28 Feb 2025 13:52

Tgt Ion:264 Resp: 649277
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.7 17.4 26.0

