

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141879.D
 Acq On : 06 Mar 2025 20:27
 Operator : RC/JU
 Sample : Q1490-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLAY-SLUDGE-DRUMS

Quant Time: Mar 07 00:22:26 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)

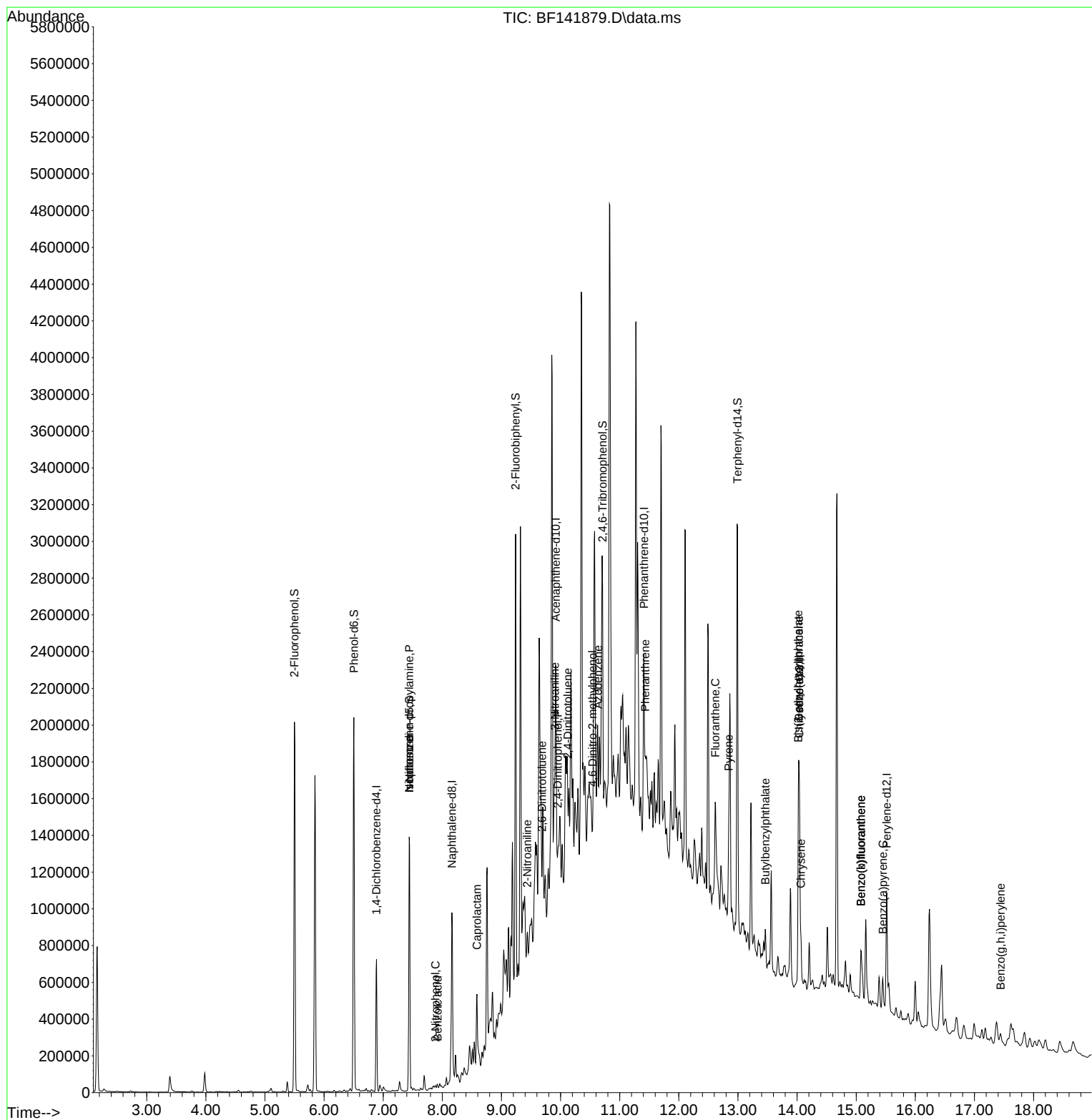
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	150342	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	572030	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	275417	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	437372	20.000	ng	0.00
76) Chrysene-d12	14.039	240	390253	20.000	ng	-0.01
86) Perylene-d12	15.515	264	391417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	777053	82.541	ng	0.00
7) Phenol-d6	6.504	99	952656	77.747	ng	0.00
23) Nitrobenzene-d5	7.439	82	626457	70.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	252523	97.663	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1055213	61.433	ng	0.00
79) Terphenyl-d14	12.992	244	1070294	44.372	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	87483	10.861	ng	# 78
25) Isophorone	7.439	82	622105	32.358	ng	# 66
26) 2-Nitrophenol	7.886	139	57	4.562	ng	# 1
32) Benzoic acid	7.922	122	107	7.706	ng	# 1
35) Caprolactam	8.586	113	13006	5.185	ng	# 8
48) 2-Nitroaniline	9.439	65	1214	4.600	ng	# 62
51) 2,6-Dinitrotoluene	9.686	165	5383	4.264	ng	# 55
53) 3-Nitroaniline	9.904	138	3193	3.764	ng	# 39
54) 2,4-Dinitrophenol	9.951	184	317	6.034	ng	# 1
57) 2,4-Dinitrotoluene	10.122	165	1828	3.918	ng	# 54
63) Azobenzene	10.633	77	56691	2.912	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.539	198	264	8.233	ng	# 1
71) Phenanthrene	11.433	178	142647	6.097	ng	# 96
75) Fluoranthene	12.616	202	294103	12.269	ng	97
78) Pyrene	12.845	202	284819	8.428	ng	98
80) Butylbenzylphthalate	13.463	149	55395	4.512	ng	97
81) Benzo(a)anthracene	14.033	228	135994	5.276	ng	# 95
83) Chrysene	14.063	228	143522	6.040	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.021	149	359370	23.507	ng	99
88) Benzo(b)fluoranthene	15.080	252	237949	8.925	ng	96
89) Benzo(k)fluoranthene	15.080	252	237949	10.500	ng	97
90) Benzo(a)pyrene	15.451	252	111525	5.216	ng	95
92) Benzo(g,h,i)perylene	17.445	276	57505	2.759	ng	96

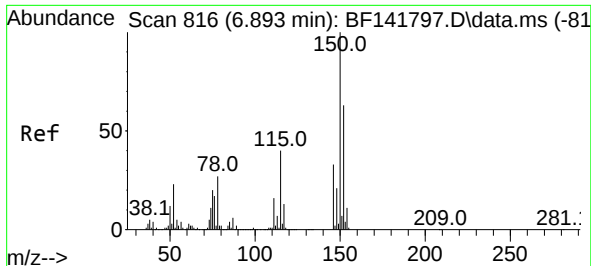
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141879.D
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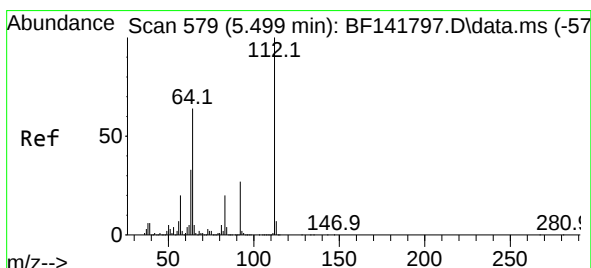
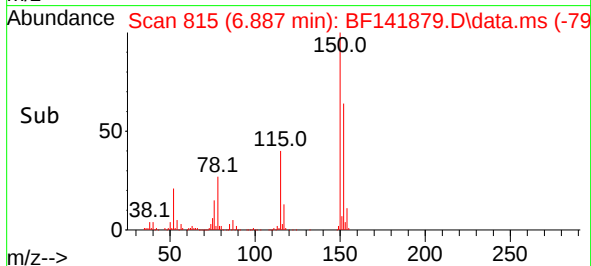
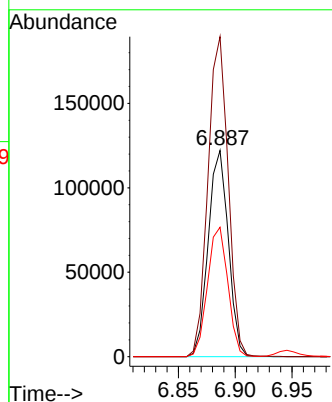
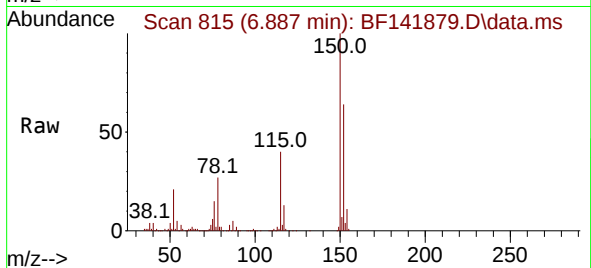




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141879.D
 Acq: 06 Mar 2025 20:27

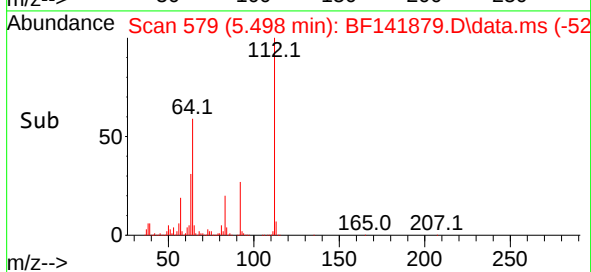
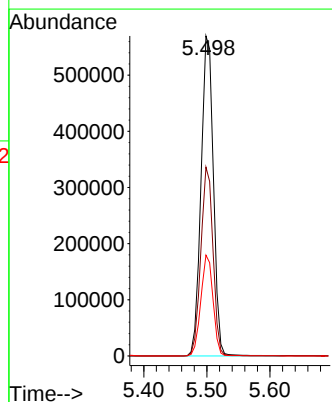
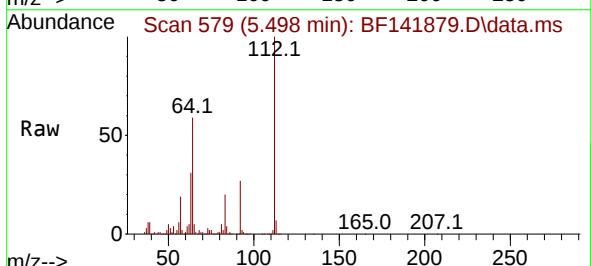
Instrument :
 BNA_F
 ClientSampleId :
 CLAY-SLUDGE-DRUMS

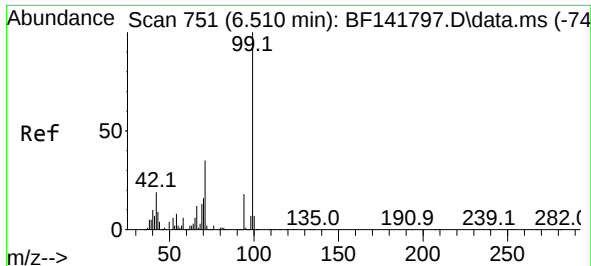
Tgt Ion:152 Resp: 150342
 Ion Ratio Lower Upper
 152 100
 150 155.1 127.5 191.3
 115 62.7 51.4 77.2



#5
 2-Fluorophenol
 Concen: 82.541 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141879.D
 Acq: 06 Mar 2025 20:27

Tgt Ion:112 Resp: 777053
 Ion Ratio Lower Upper
 112 100
 64 59.0 51.3 76.9
 63 31.5 26.2 39.4

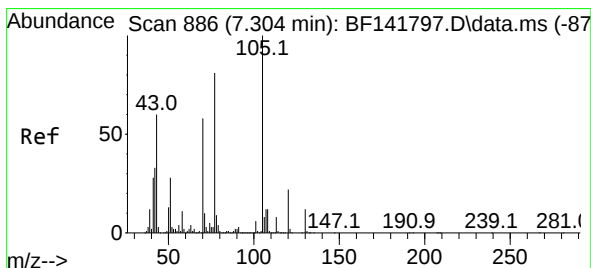
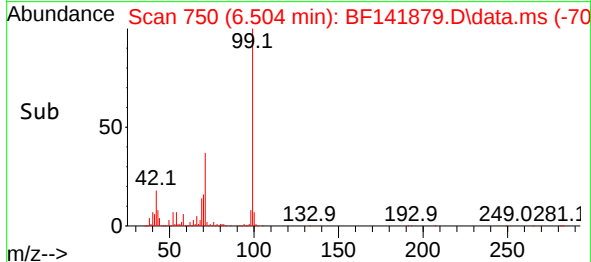
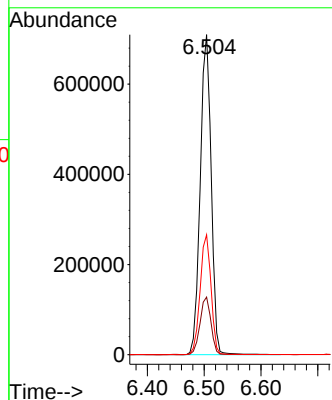
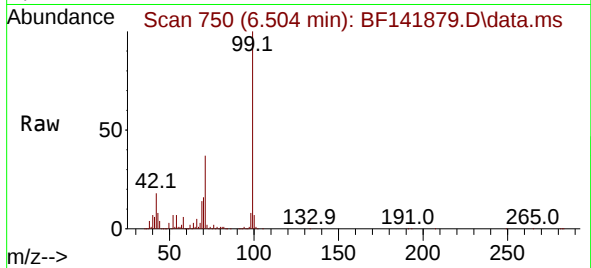




#7
Phenol-d6
Concen: 77.747 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

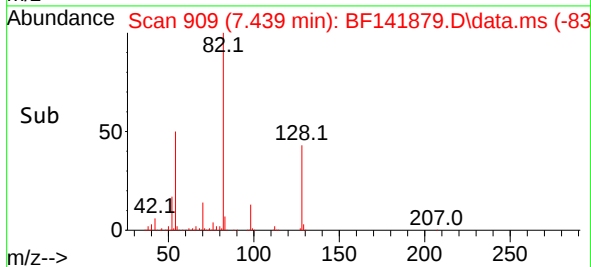
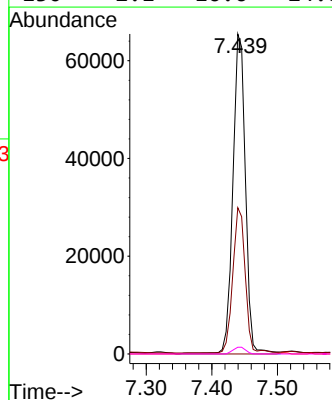
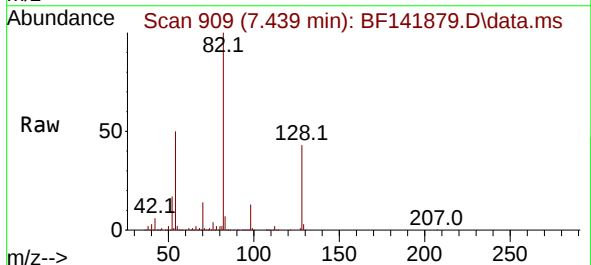
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

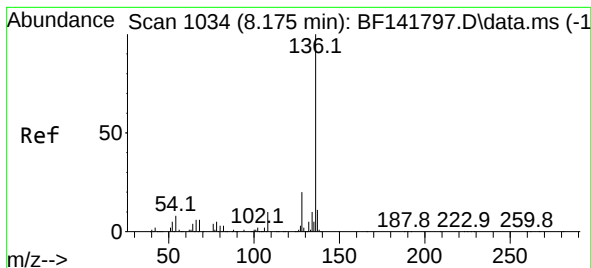
Tgt Ion: 99 Resp: 952656
Ion Ratio Lower Upper
99 100
42 18.0 15.2 22.8
71 37.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.861 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion: 70 Resp: 87483
Ion Ratio Lower Upper
70 100
42 45.7 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: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

Tgt Ion:136 Resp: 572030

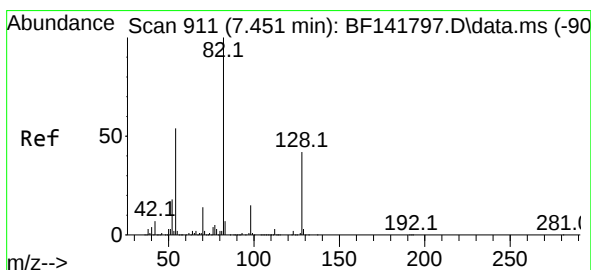
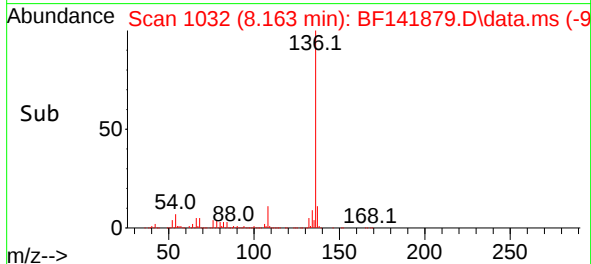
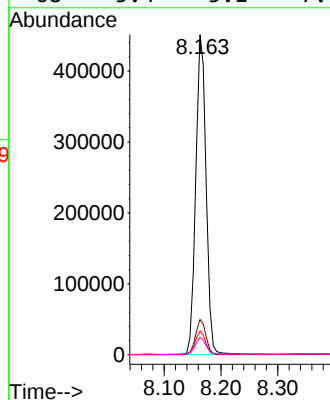
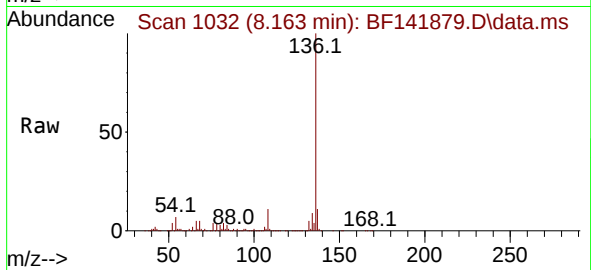
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.9 10.3

68 5.4 5.1 7.7



#23

Nitrobenzene-d5

Concen: 70.002 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

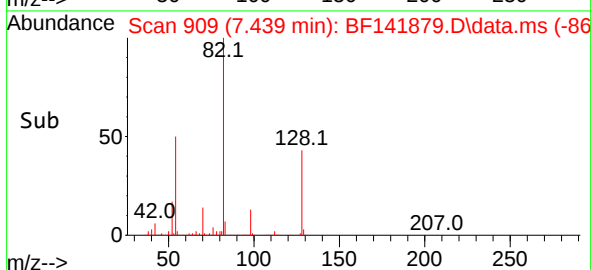
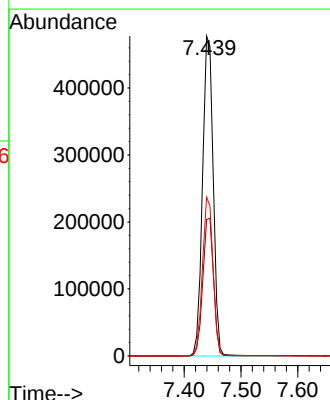
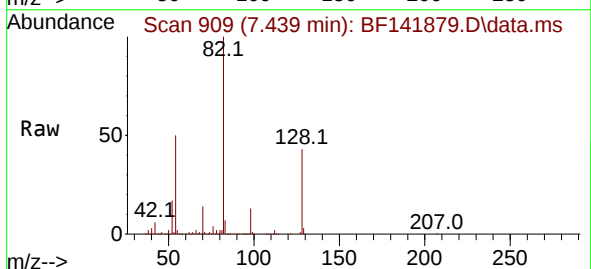
Tgt Ion: 82 Resp: 626457

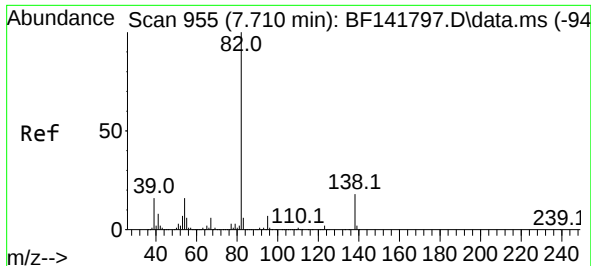
Ion Ratio Lower Upper

82 100

128 42.7 33.5 50.3

54 49.7 42.7 64.1

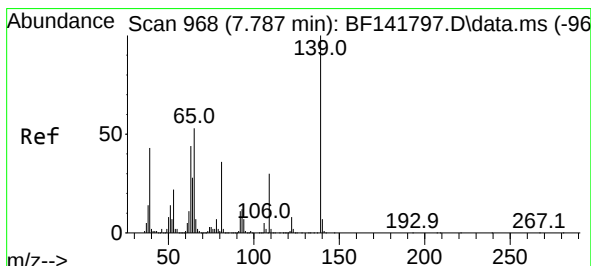
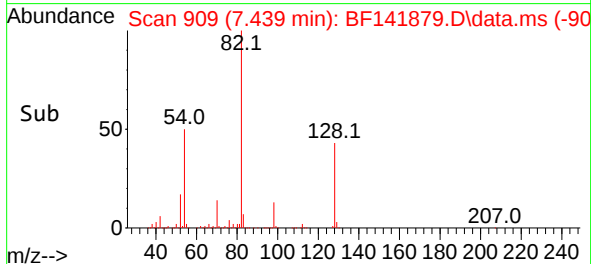
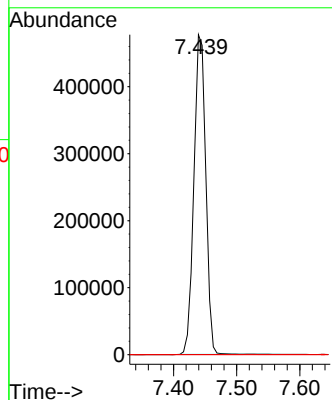
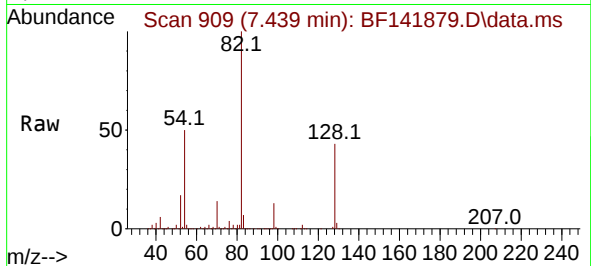




#25
Isophorone
Concen: 32.358 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

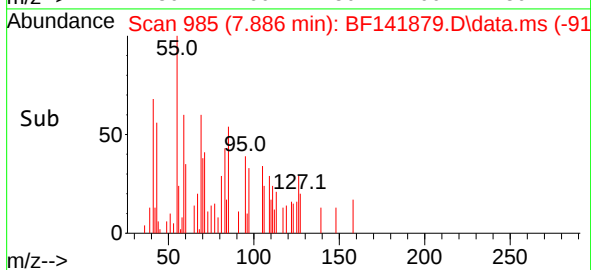
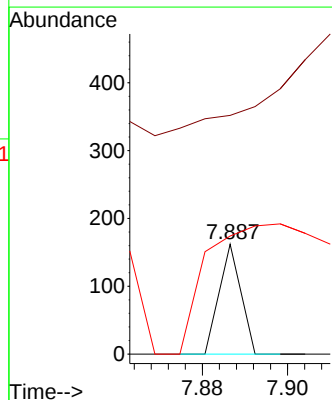
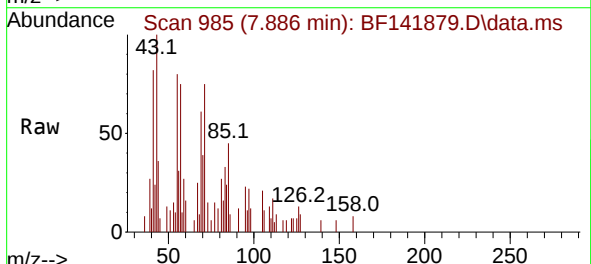
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

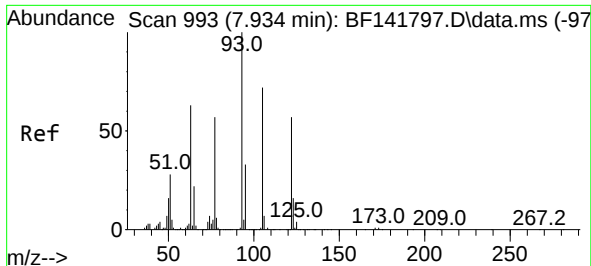
Tgt Ion: 82 Resp: 622105
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 14.0 21.0#



#26
2-Nitrophenol
Concen: 4.562 ng
RT: 7.886 min Scan# 985
Delta R.T. 0.099 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion: 139 Resp: 57
Ion Ratio Lower Upper
139 100
109 217.3 24.1 36.1#
65 107.4 42.3 63.5#

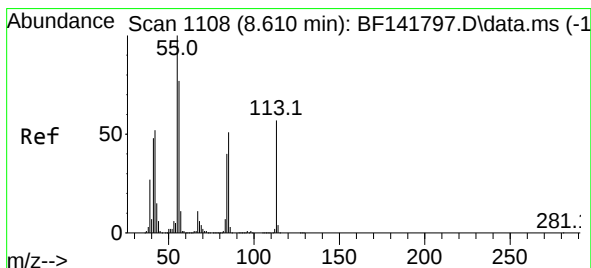
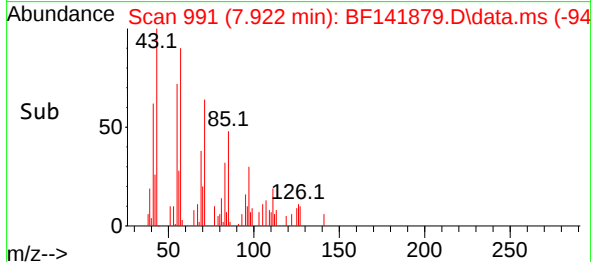
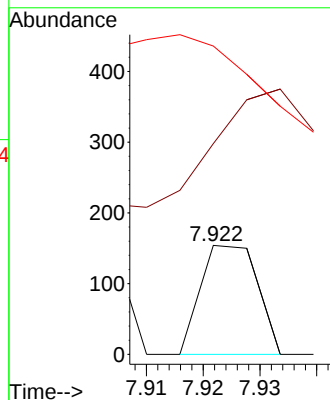
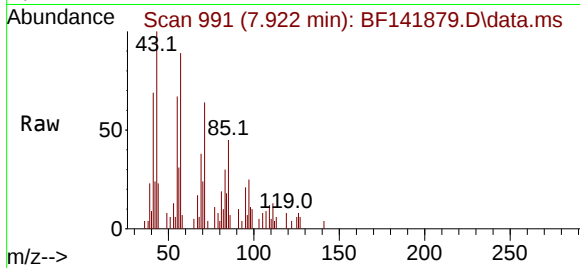




#32
Benzoic acid
Concen: 7.706 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

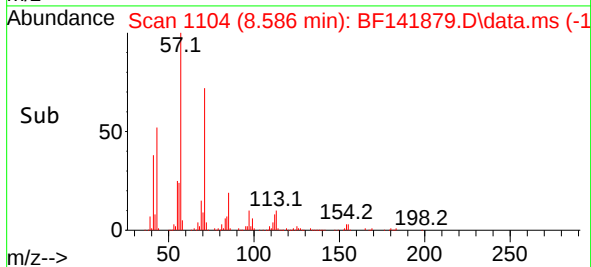
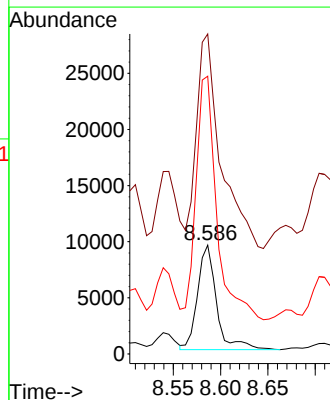
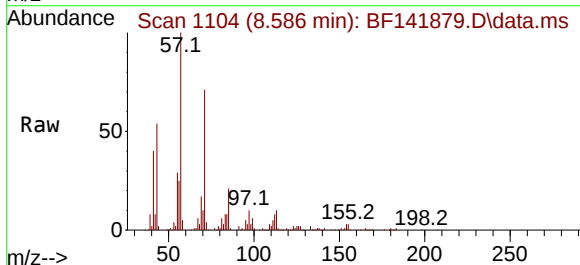
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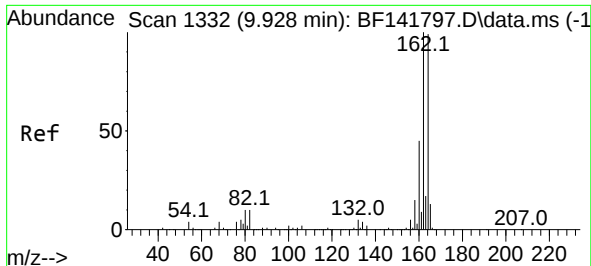
Tgt Ion:122 Resp: 107
Ion Ratio Lower Upper
122 100
105 193.5 105.8 145.8#
77 283.1 79.9 119.9#



#35
Caprolactam
Concen: 5.185 ng
RT: 8.586 min Scan# 1104
Delta R.T. -0.024 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion:113 Resp: 13006
Ion Ratio Lower Upper
113 100
55 294.3 155.6 195.6#
56 255.4 114.6 154.6#

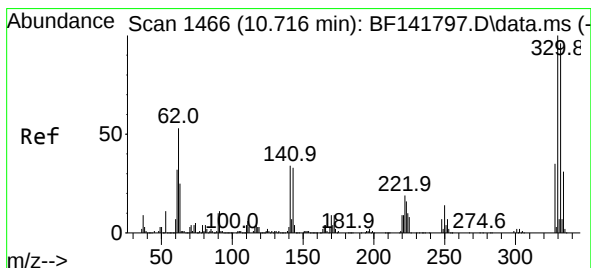
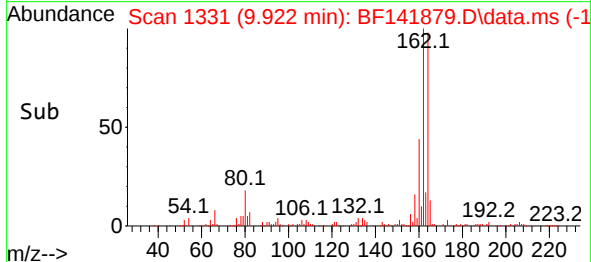
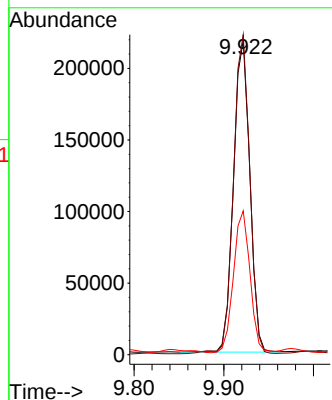
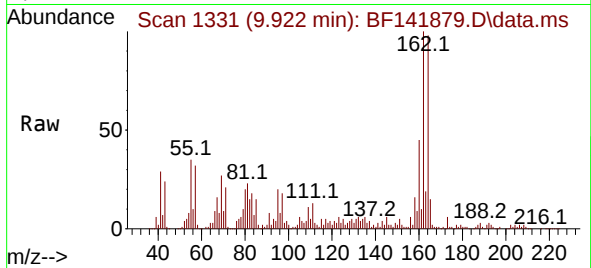




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

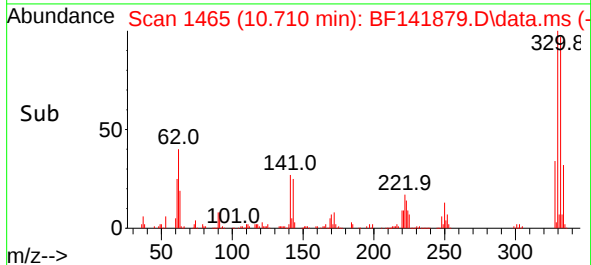
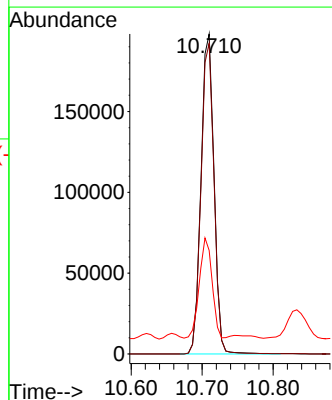
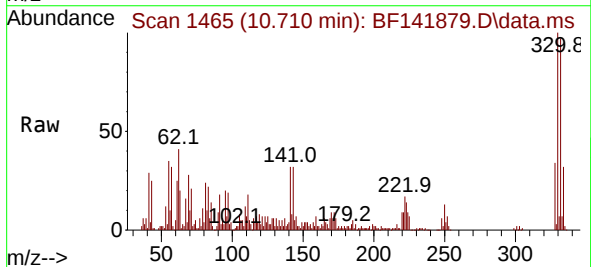
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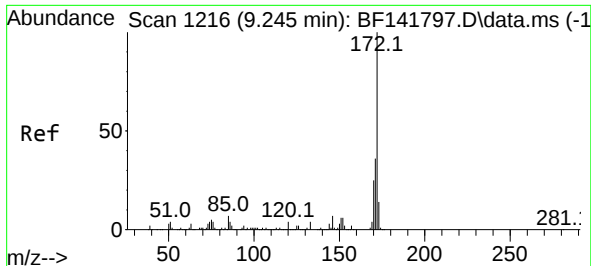
Tgt Ion:164 Resp: 275417
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 45.8 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 97.663 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion:330 Resp: 252523
Ion Ratio Lower Upper
330 100
332 97.2 76.6 115.0
141 30.5 29.0 43.4

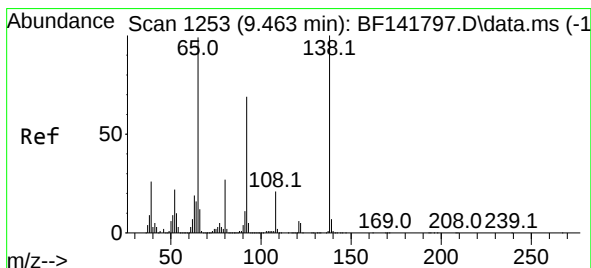
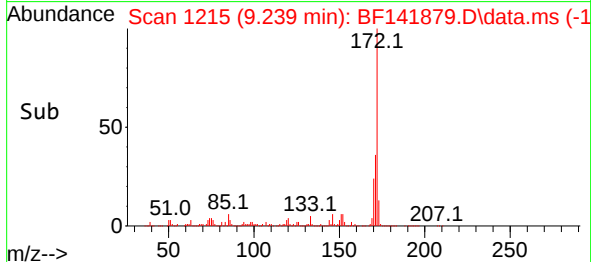
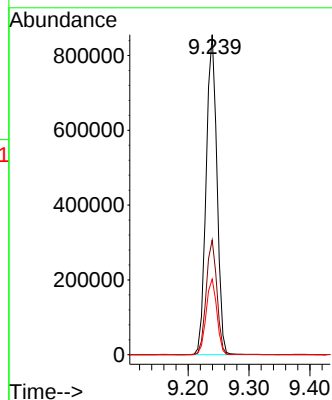
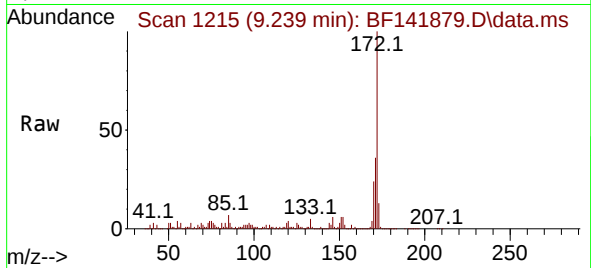




#45
2-Fluorobiphenyl
Concen: 61.433 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

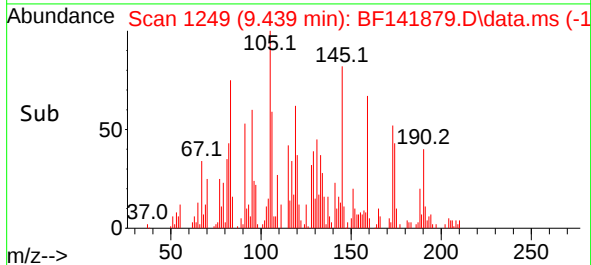
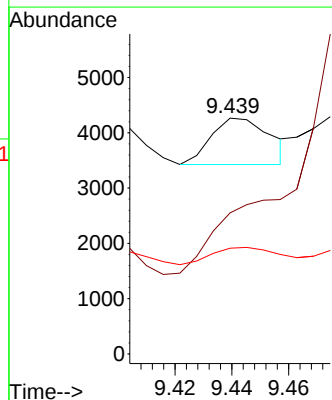
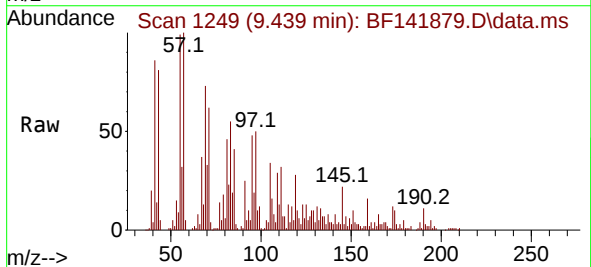
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

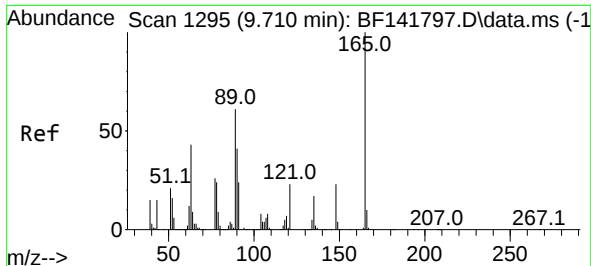
Tgt Ion:172 Resp: 1055213
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 23.7 19.7 29.5



#48
2-Nitroaniline
Concen: 4.600 ng
RT: 9.439 min Scan# 1249
Delta R.T. -0.024 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion: 65 Resp: 1214
Ion Ratio Lower Upper
65 100
92 59.8 55.7 83.5
138 44.9 80.6 121.0#

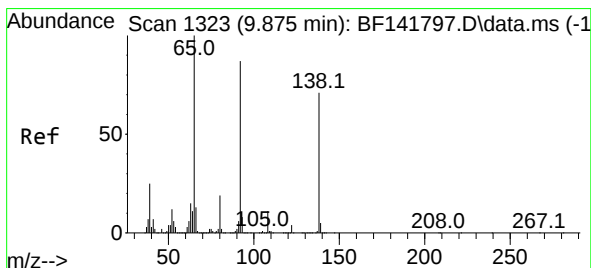
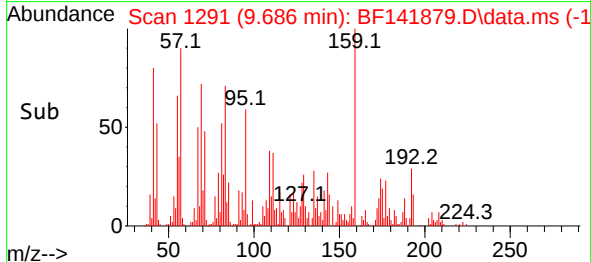
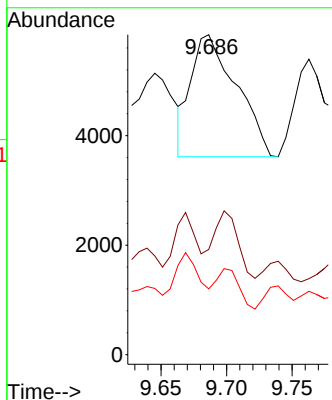
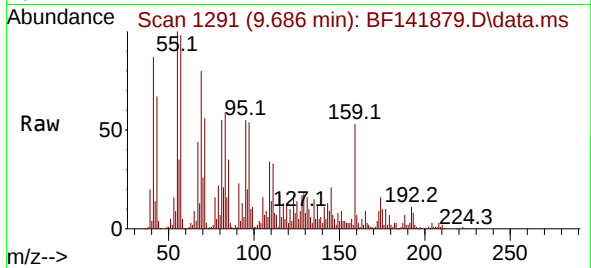




#51
2,6-Dinitrotoluene
Concen: 4.264 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

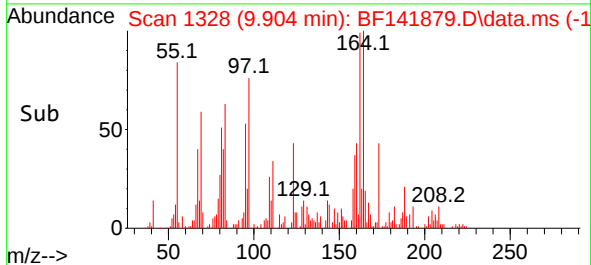
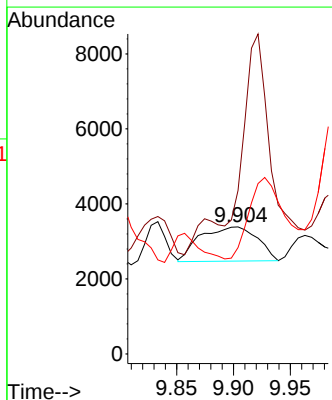
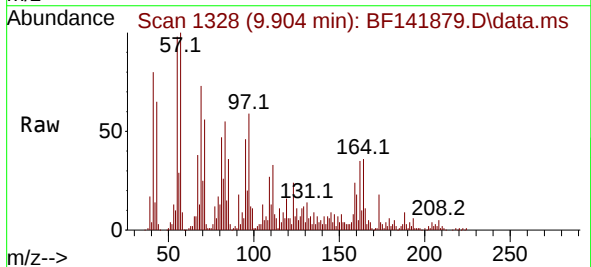
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

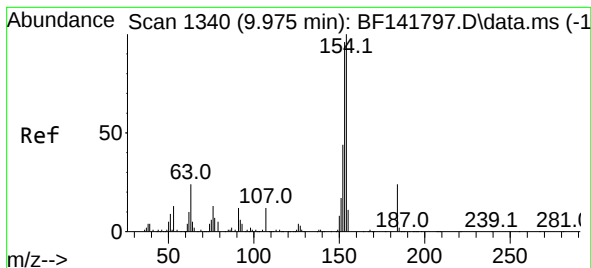
Tgt Ion:165 Resp: 5383
Ion Ratio Lower Upper
165 100
63 32.9 49.5 74.3#
89 20.5 49.0 73.4#



#53
3-Nitroaniline
Concen: 3.764 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.029 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion:138 Resp: 3193
Ion Ratio Lower Upper
138 100
108 128.7 12.7 19.1#
92 83.7 97.9 146.9#





#54

2,4-Dinitrophenol

Concen: 6.034 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.024 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

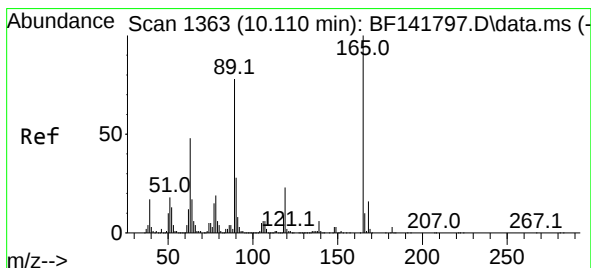
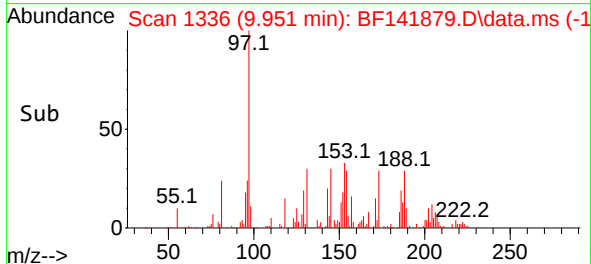
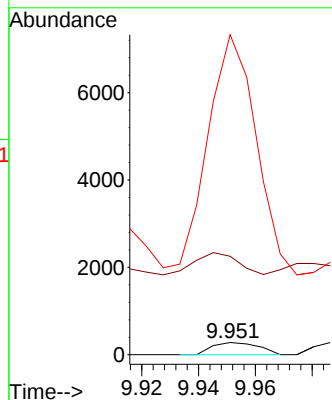
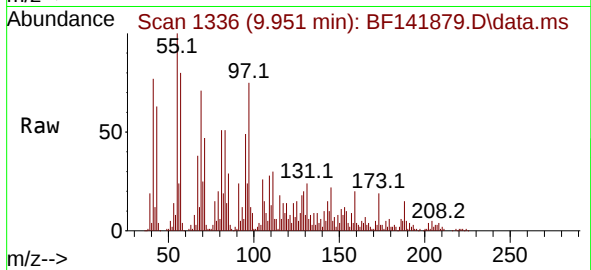
Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

Tgt Ion:184	Resp:	317
Ion Ratio	Lower	Upper
184	100	
63	814.1	79.0 118.6#
154	2645.8	335.8 503.8#



#57

2,4-Dinitrotoluene

Concen: 3.918 ng

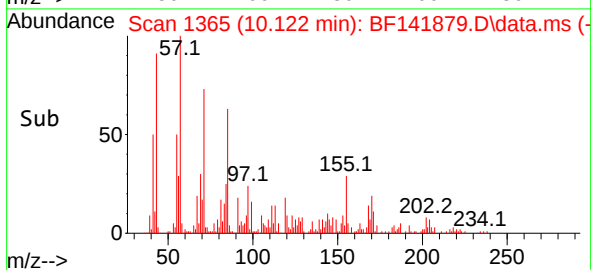
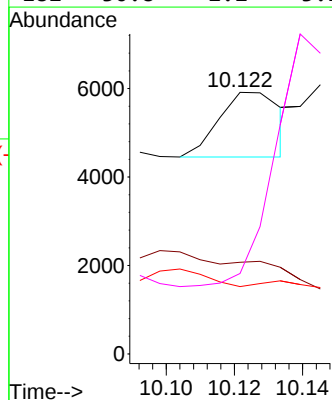
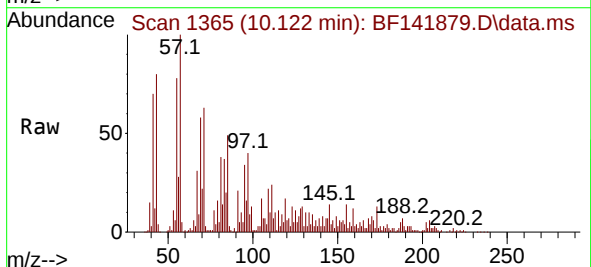
RT: 10.122 min Scan# 1365

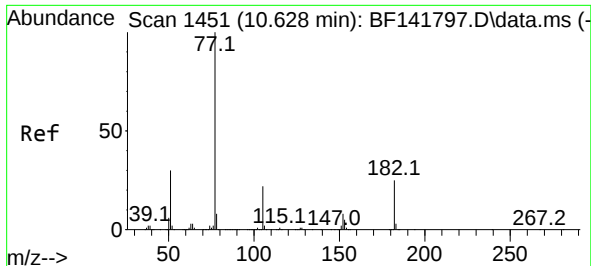
Delta R.T. 0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Tgt Ion:165	Resp:	1828
Ion Ratio	Lower	Upper
165	100	
63	35.0	38.8 58.2#
89	25.8	62.6 94.0#
182	30.8	2.2 3.2#

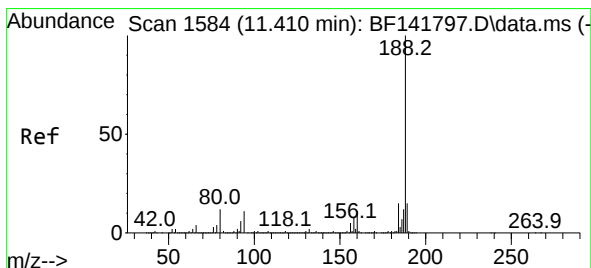
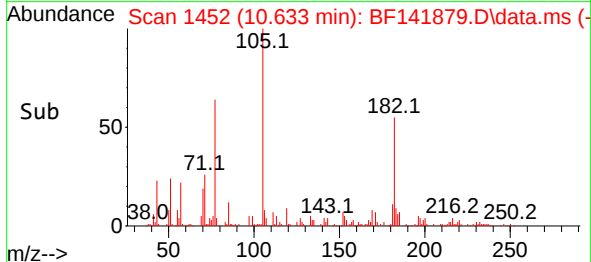
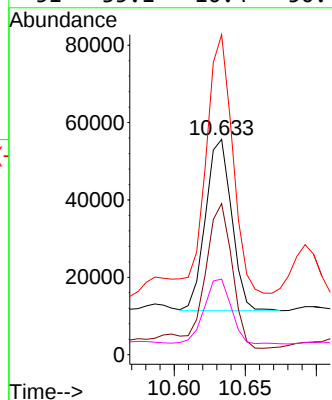
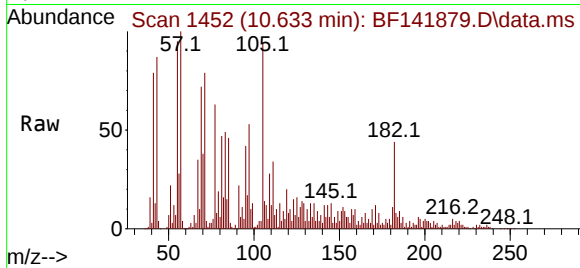




#63
Azobenzene
Concen: 2.912 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

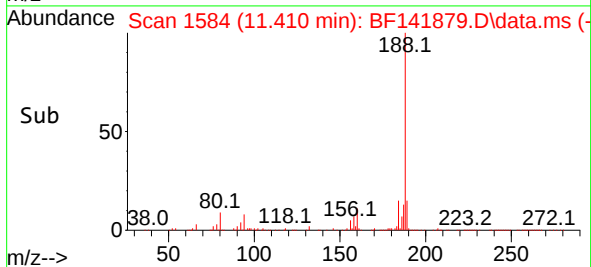
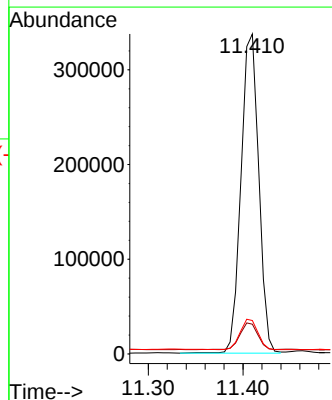
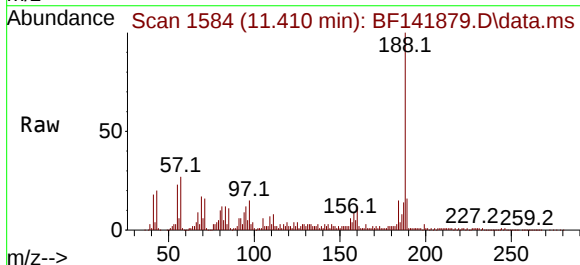
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

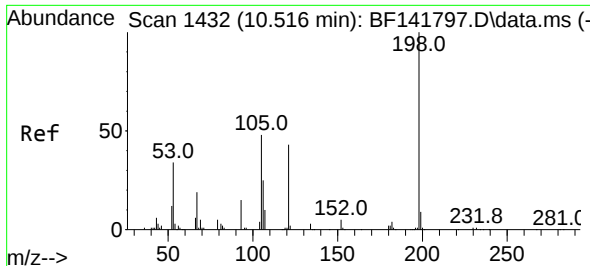
Tgt Ion: 77	Resp: 56691
Ion Ratio	Lower Upper
77 100	
182 70.2	4.2 44.2#
105 148.6	1.5 41.5#
51 35.1	10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion: 188	Resp: 437372
Ion Ratio	Lower Upper
188 100	
94 9.3	8.9 13.3
80 10.5	9.7 14.5





#65

4,6-Dinitro-2-methylphenol

Concen: 8.233 ng

RT: 10.539 min Scan# 1432

Delta R.T. 0.023 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

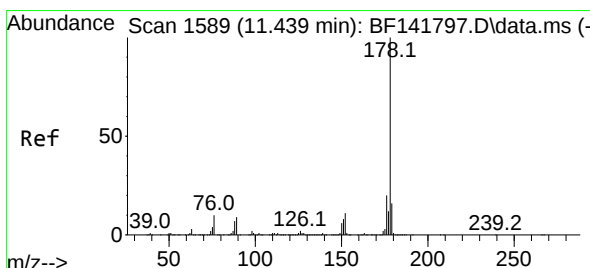
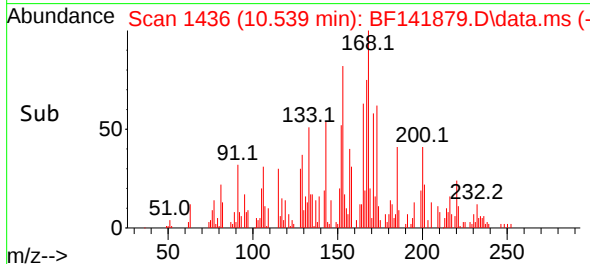
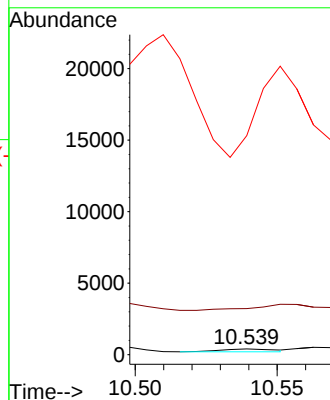
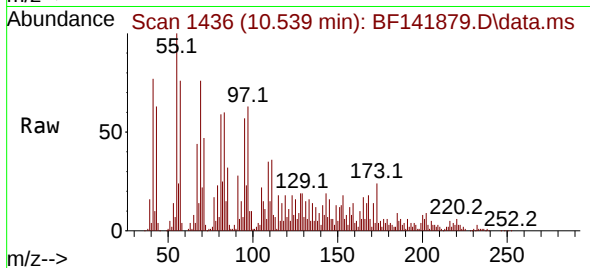
Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

Tgt Ion:198	Resp:	264
Ion Ratio	Lower	Upper
198	100	
51	807.5	32.1 72.1#
105	3838.8	28.5 68.5#



#71

Phenanthrene

Concen: 6.097 ng

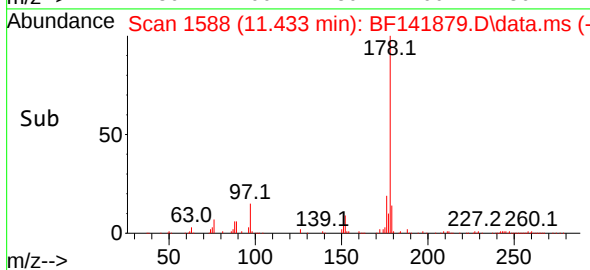
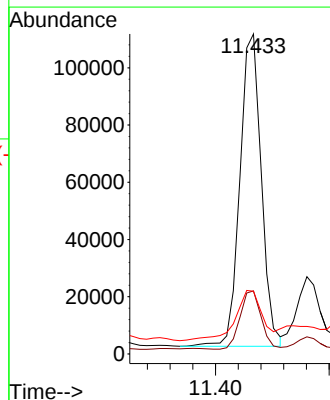
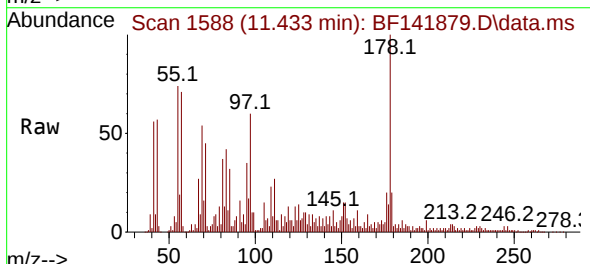
RT: 11.433 min Scan# 1588

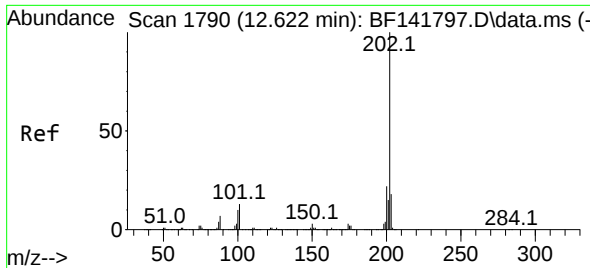
Delta R.T. -0.006 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Tgt Ion:178	Resp:	142647
Ion Ratio	Lower	Upper
178	100	
176	19.7	16.0 24.0
179	19.6	12.6 19.0#

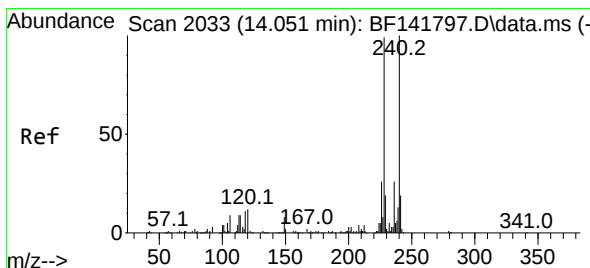
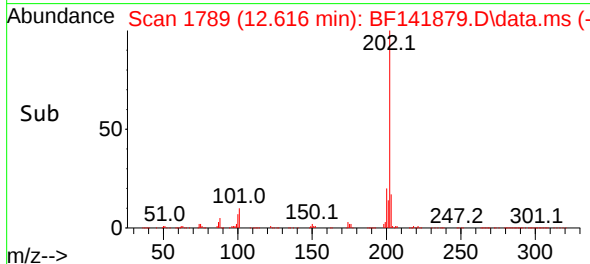
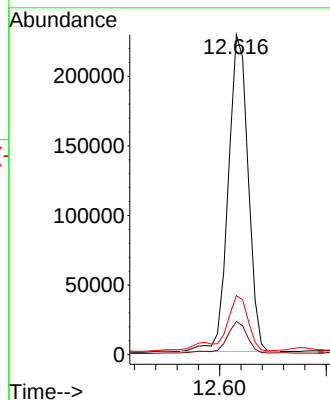
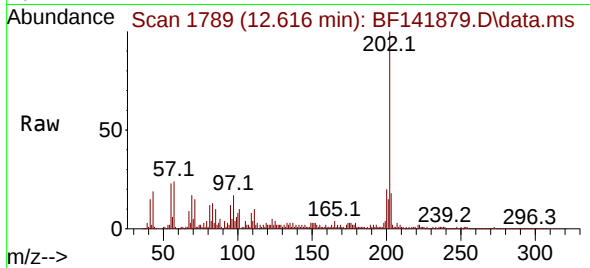




#75
Fluoranthene
Concen: 12.269 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

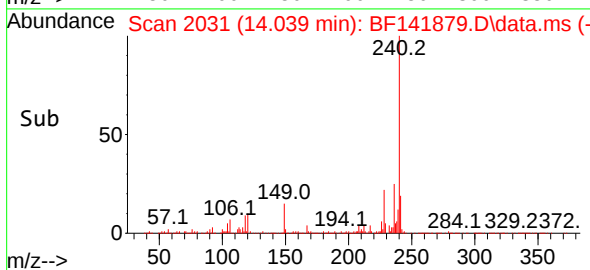
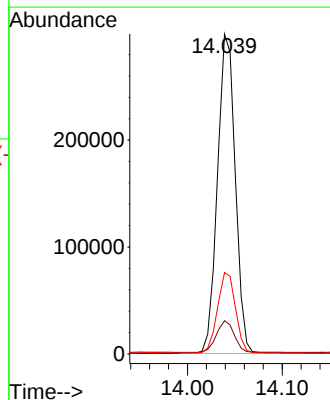
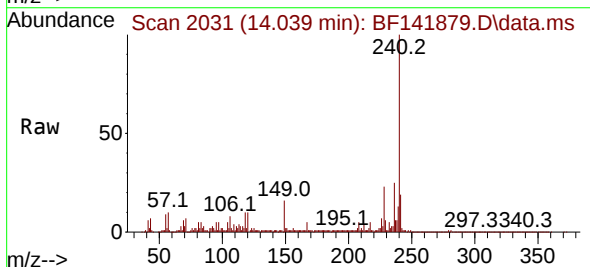
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

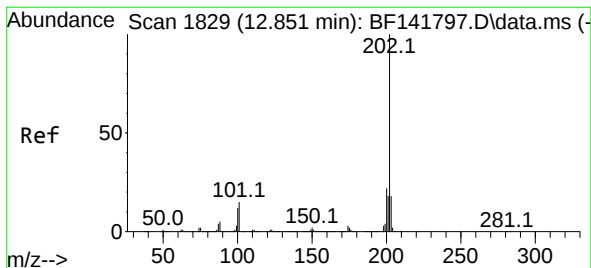
Tgt Ion:202 Resp: 294103
Ion Ratio Lower Upper
202 100
101 10.4 0.0 32.8
203 18.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion:240 Resp: 390253
Ion Ratio Lower Upper
240 100
120 10.4 9.7 14.5
236 25.5 21.0 31.4





#78

Pyrene

Concen: 8.428 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

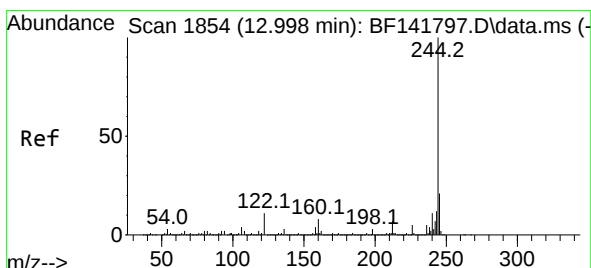
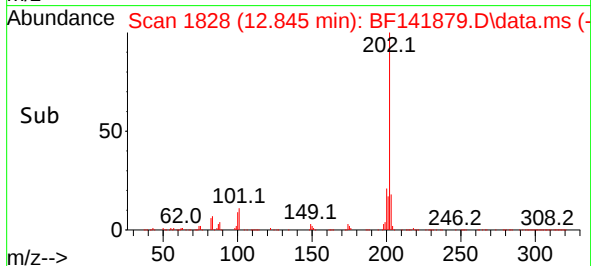
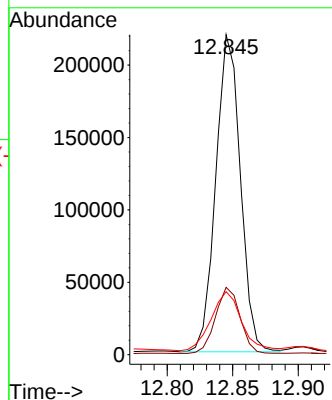
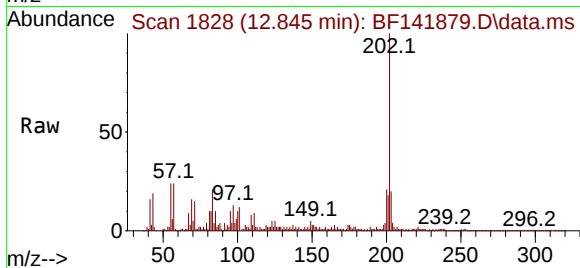
Tgt Ion:202 Resp: 284819

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

203 19.7 14.6 22.0



#79

Terphenyl-d14

Concen: 44.372 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

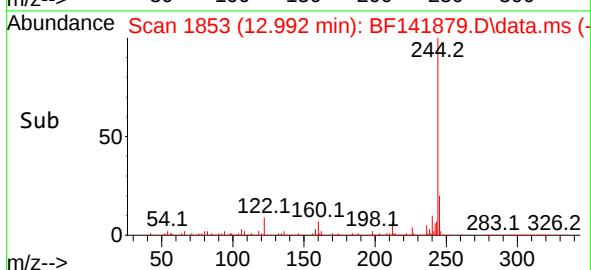
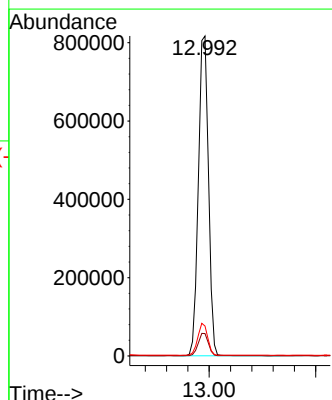
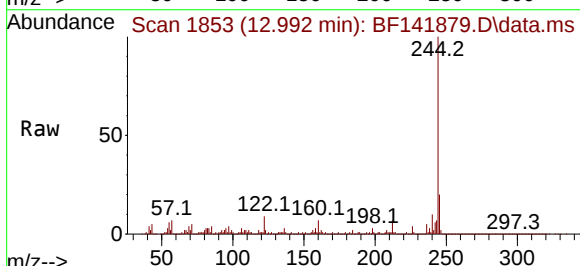
Tgt Ion:244 Resp: 1070294

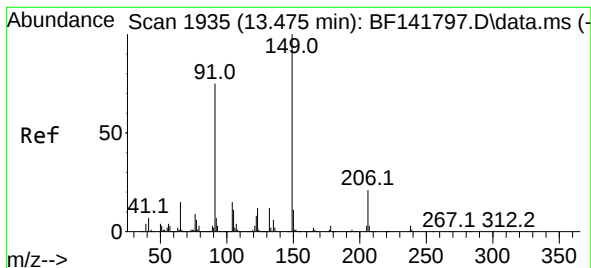
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.3 9.0 13.6





#80

Butylbenzylphthalate

Concen: 4.512 ng

RT: 13.463 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

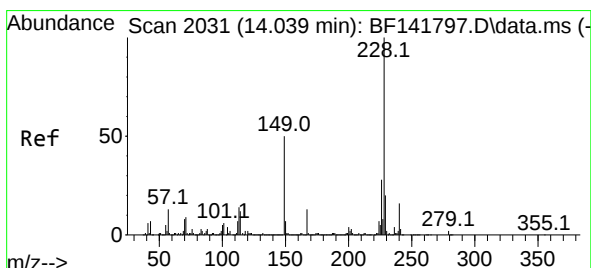
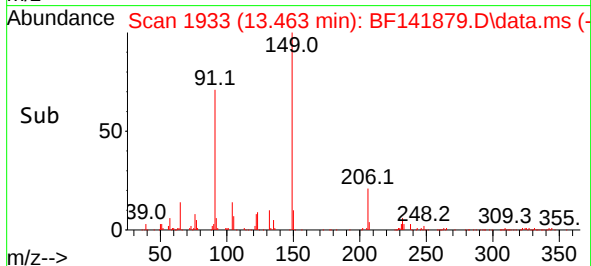
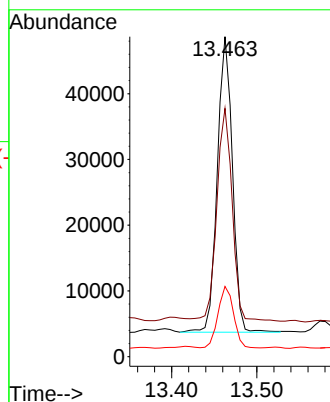
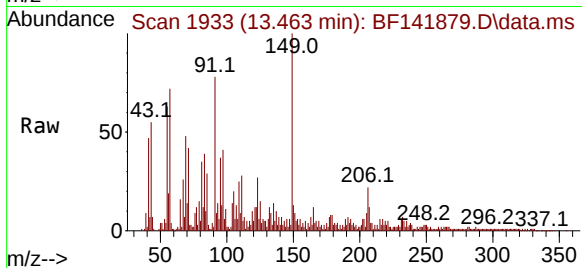
Tgt Ion:149 Resp: 55395

Ion Ratio Lower Upper

149 100

91 77.6 60.1 90.1

206 21.9 16.8 25.2



#81

Benzo(a)anthracene

Concen: 5.276 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

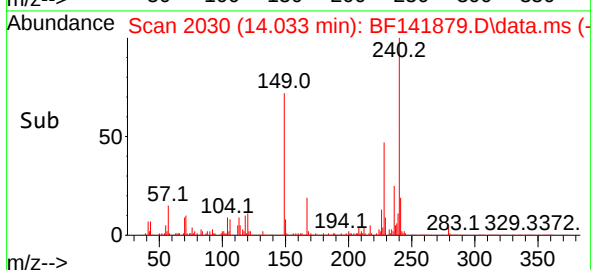
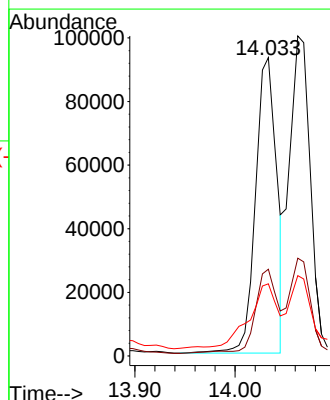
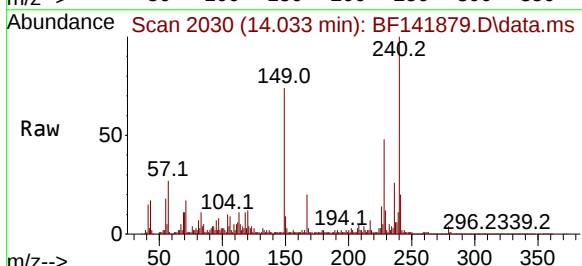
Tgt Ion:228 Resp: 135994

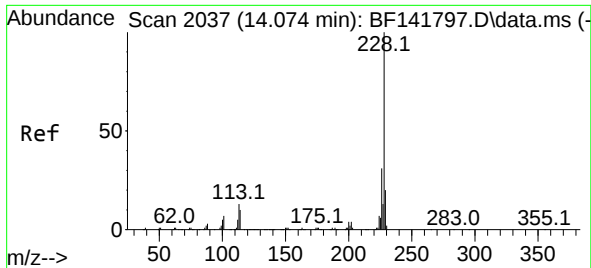
Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

229 24.2 16.1 24.1#





#83

Chrysene

Concen: 6.040 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

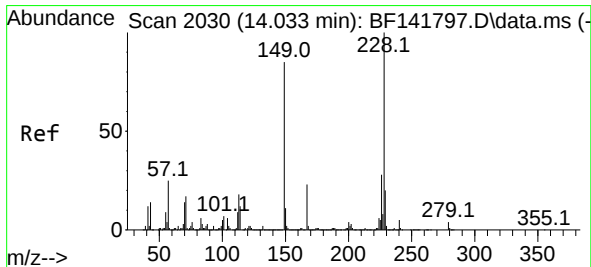
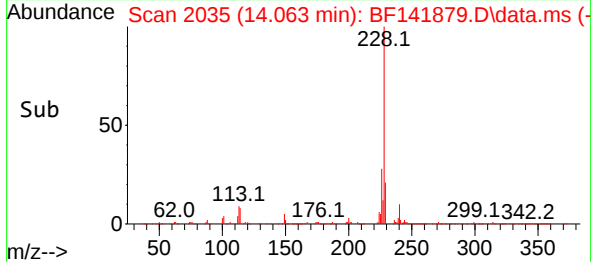
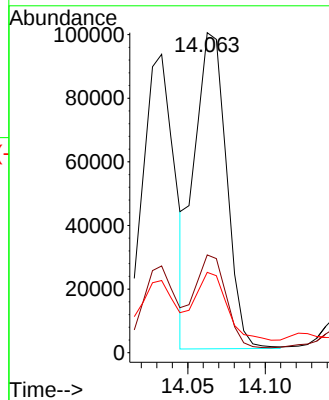
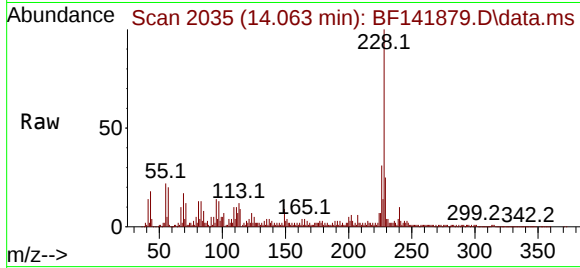
Tgt Ion:228 Resp: 143522

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

229 25.1 16.1 24.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 23.507 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

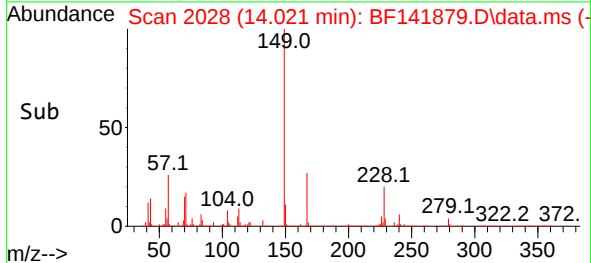
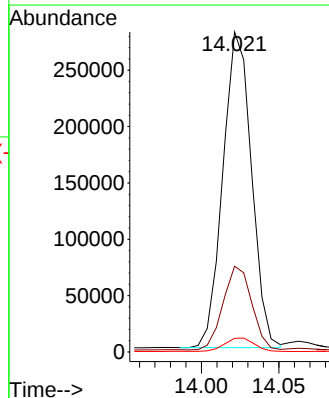
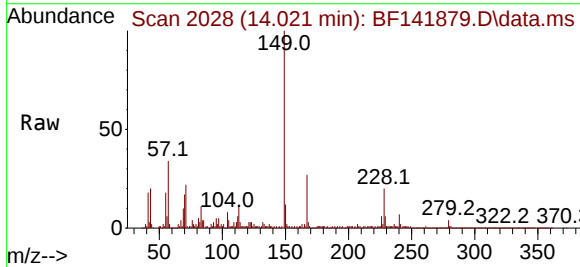
Tgt Ion:149 Resp: 359370

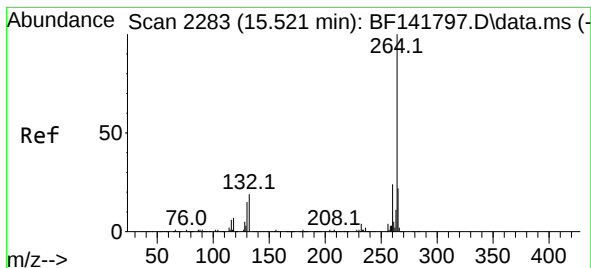
Ion Ratio Lower Upper

149 100

167 26.8 21.2 31.8

279 4.3 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS

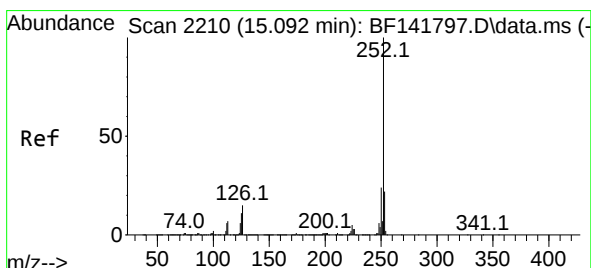
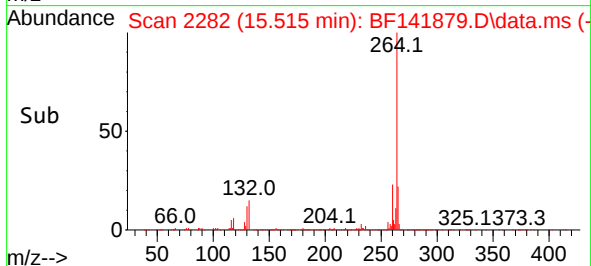
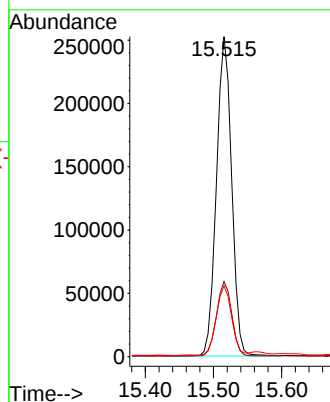
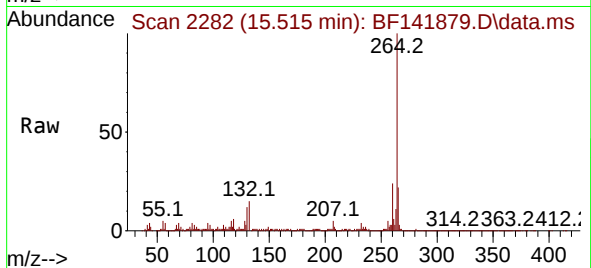
Tgt Ion:264 Resp: 391417

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 22.1 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 8.925 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141879.D

Acq: 06 Mar 2025 20:27

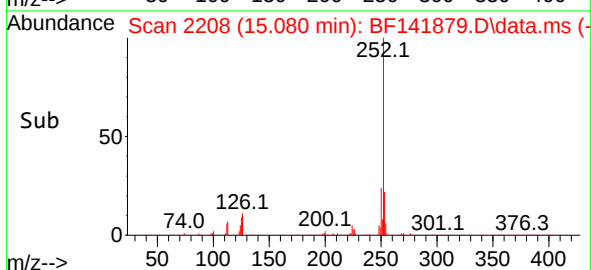
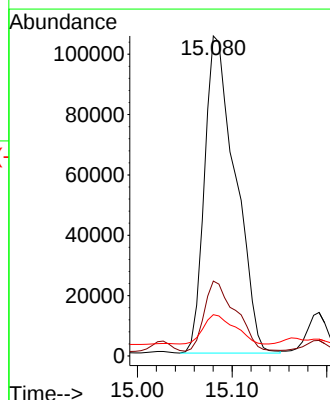
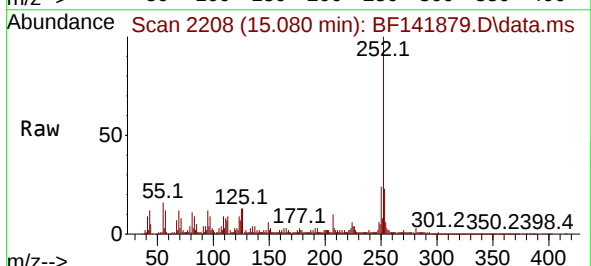
Tgt Ion:252 Resp: 237949

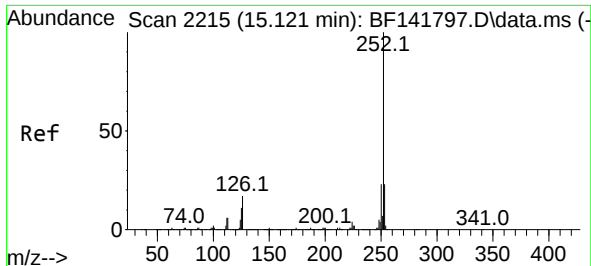
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.9 8.6 13.0

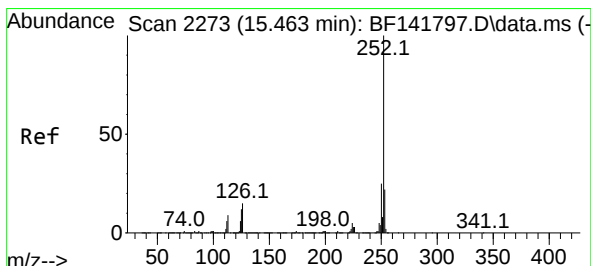
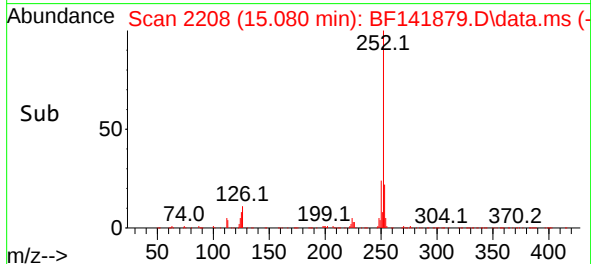
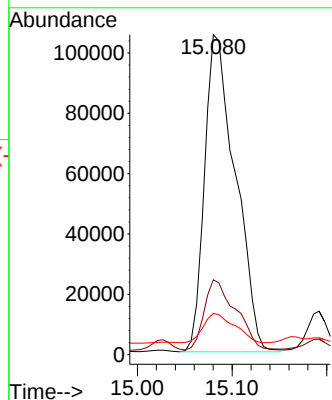
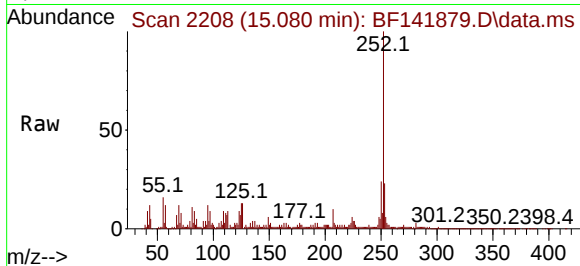




#89
Benzo(k)fluoranthene
Concen: 10.500 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

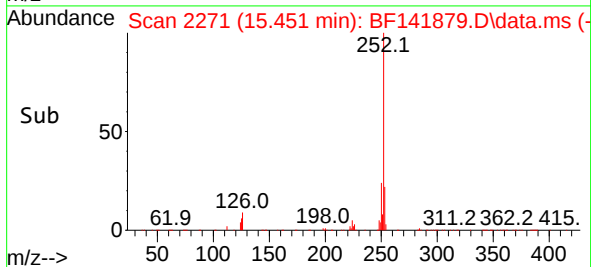
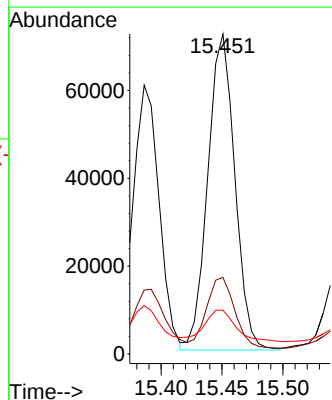
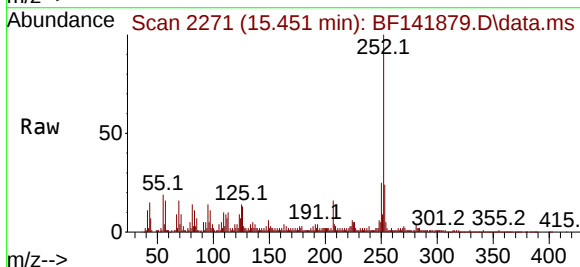
Instrument :
BNA_F
ClientSampleId :
CLAY-SLUDGE-DRUMS

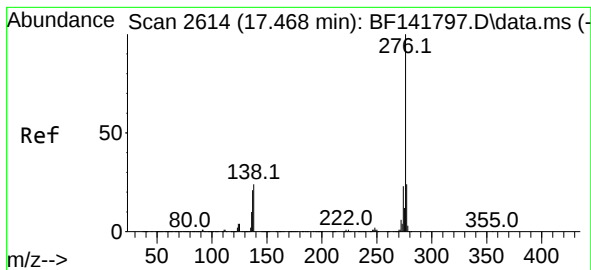
Tgt Ion:252 Resp: 237949
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 12.9 8.8 13.2



#90
Benzo(a)pyrene
Concen: 5.216 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141879.D
Acq: 06 Mar 2025 20:27

Tgt Ion:252 Resp: 111525
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 13.7 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 2.759 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF141879.D

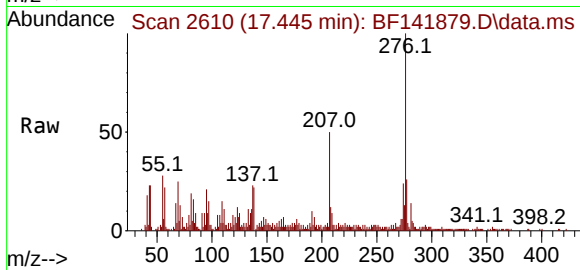
Acq: 06 Mar 2025 20:27

Instrument :

BNA_F

ClientSampleId :

CLAY-SLUDGE-DRUMS



Tgt Ion:276 Resp: 57505

Ion Ratio Lower Upper

276 100

277 25.8 19.4 29.0

138 21.6 19.3 28.9

