

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
 Data File : BF139288.D
 Acq On : 09 Sep 2024 17:48
 Operator : RC/JU
 Sample : P3880-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHEEPSHEAD-SOIL-PILE

Quant Time: Sep 09 18:11:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

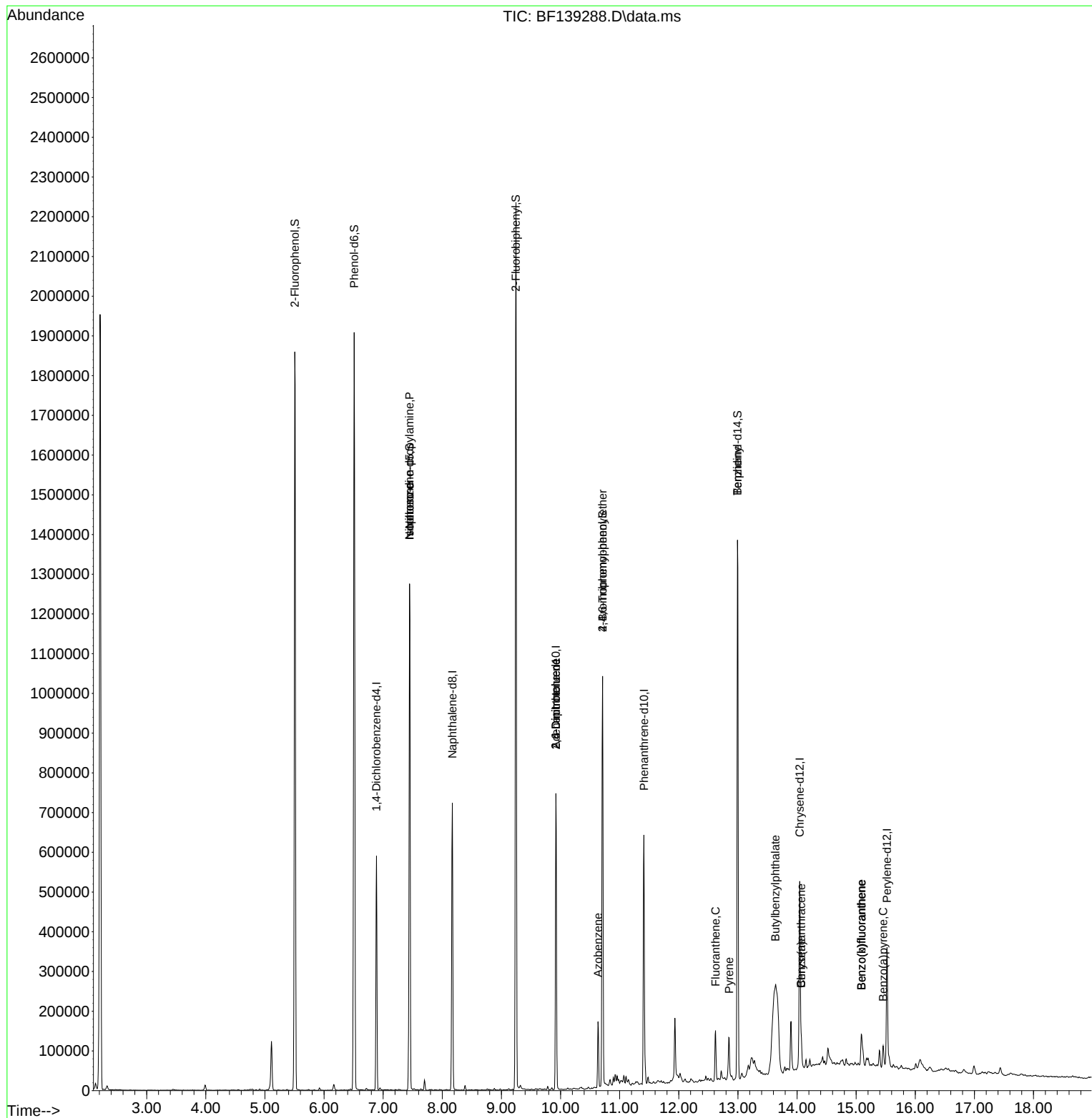
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	114056	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	422591	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	214657	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	324418	20.000	ng	0.00
76) Chrysene-d12	14.045	240	188447	20.000	ng	0.00
86) Perylene-d12	15.521	264	168675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	647222	94.929	ng	0.00
7) Phenol-d6	6.510	99	853775	93.802	ng	0.00
23) Nitrobenzene-d5	7.445	82	551650	67.910	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	151383	81.670	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	953819	68.591	ng	0.00
79) Terphenyl-d14	12.992	244	657950	56.372	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	74725	14.255	ng	# 77
25) Isophorone	7.445	82	549174	39.543	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	27888	9.449	ng	# 18
57) 2,4-Dinitrotoluene	9.922	165	27888	7.423	ng	# 18
63) Azobenzene	10.633	77	41694	3.090	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10316	3.277	ng	# 1
75) Fluoranthene	12.622	202	70740	4.656	ng	99
77) Benzidine	12.992	184	9463	2.494	ng	# 94
78) Pyrene	12.851	202	62006	3.406	ng	99
80) Butylbenzylphthalate	13.633	149	15015	3.504	ng	# 50
81) Benzo(a)anthracene	14.068	228	40066	3.330	ng	93
83) Chrysene	14.068	228	40066	3.568	ng	97
88) Benzo(b)fluoranthene	15.092	252	69124	7.116	ng	98
89) Benzo(k)fluoranthene	15.092	252	69124	7.936	ng	# 98
90) Benzo(a)pyrene	15.457	252	31559	3.826	ng	99

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

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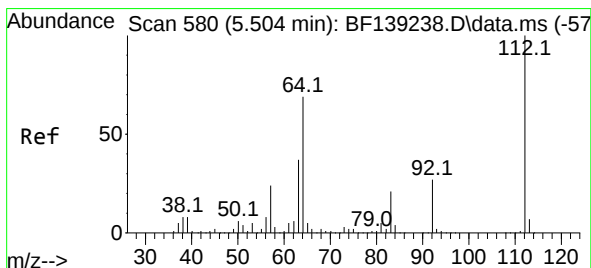
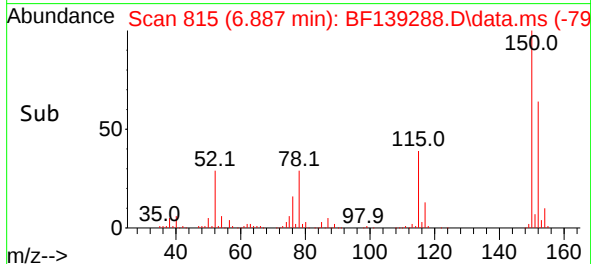
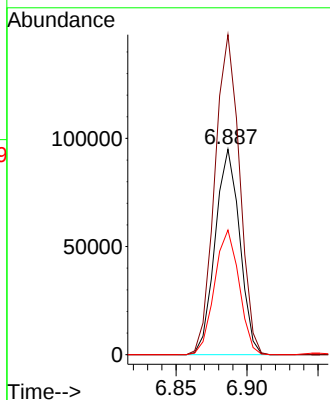
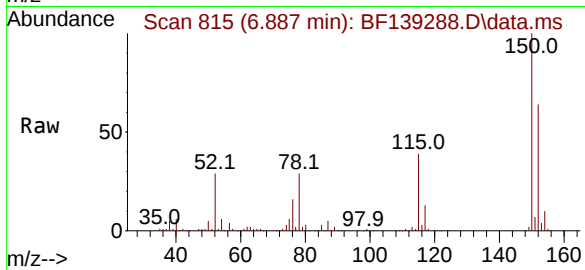




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

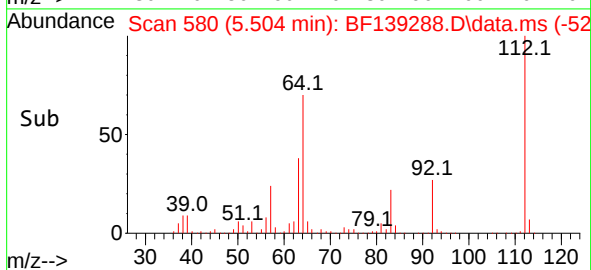
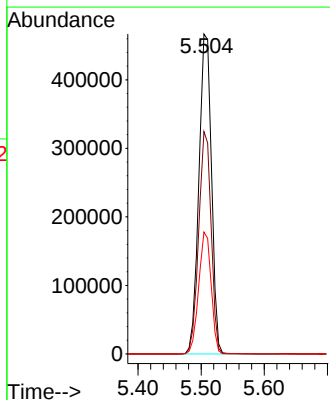
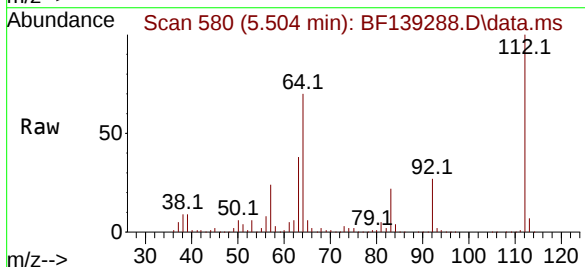
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE

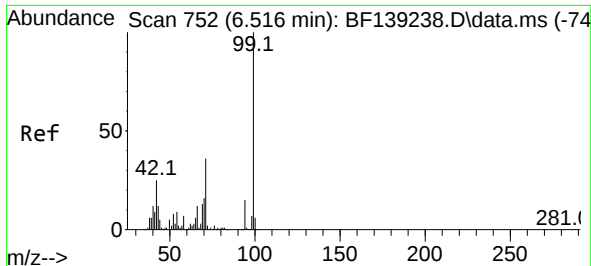
Tgt Ion:152 Resp: 114056
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.4
115 60.7 46.9 70.3



#5
2-Fluorophenol
Concen: 94.929 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Tgt Ion:112 Resp: 647222
Ion Ratio Lower Upper
112 100
64 69.5 55.0 82.4
63 38.1 29.9 44.9

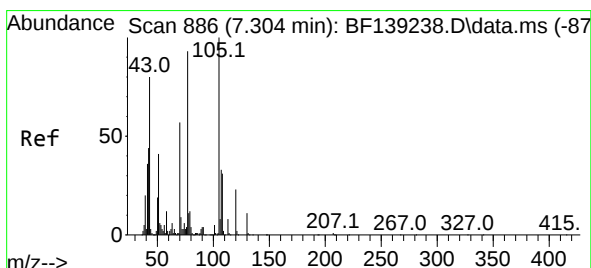
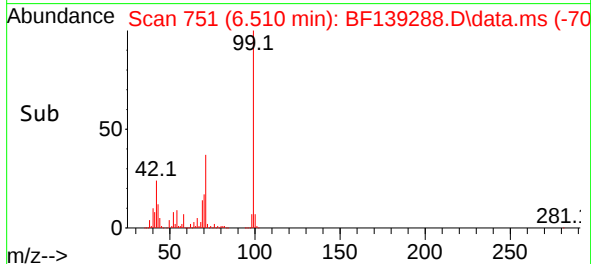
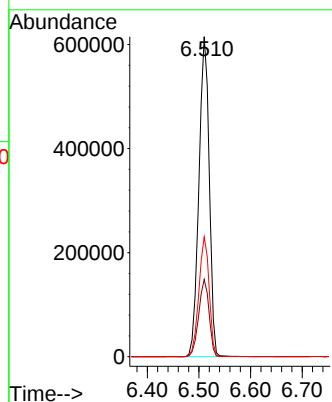
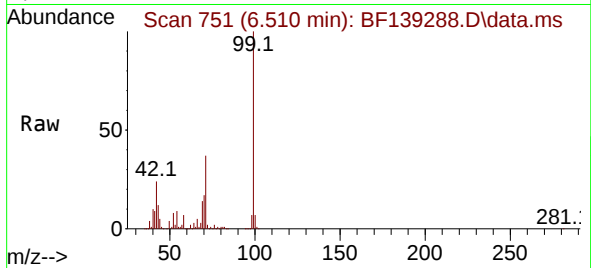




#7
Phenol-d6
Concen: 93.802 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

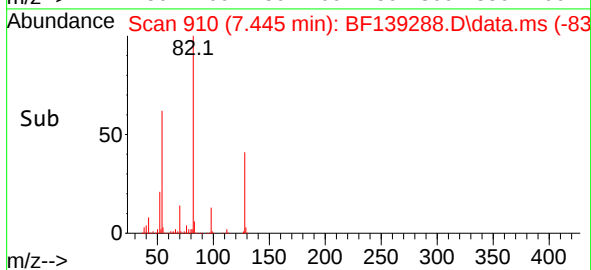
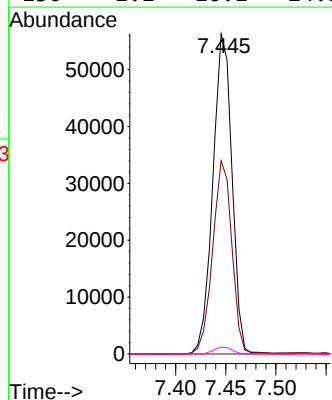
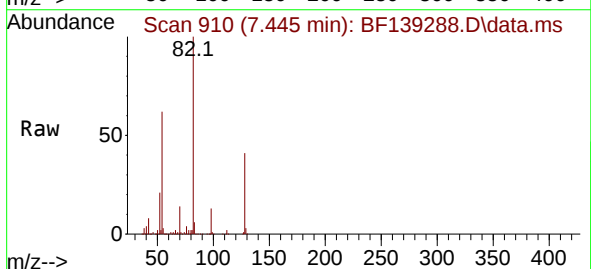
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE

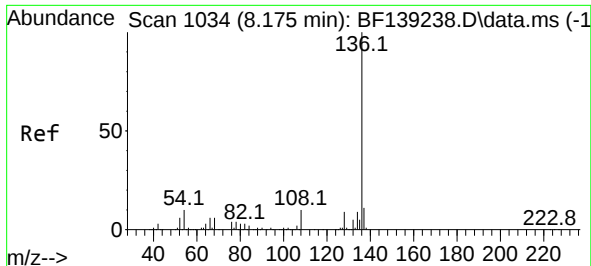
Tgt Ion: 99 Resp: 853775
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 37.4 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.255 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Tgt Ion: 70 Resp: 74725
Ion Ratio Lower Upper
70 100
42 60.4 61.0 91.6#
101 0.0 7.2 10.8#
130 2.1 16.1 24.1#



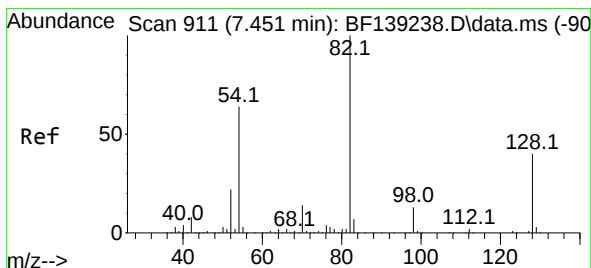
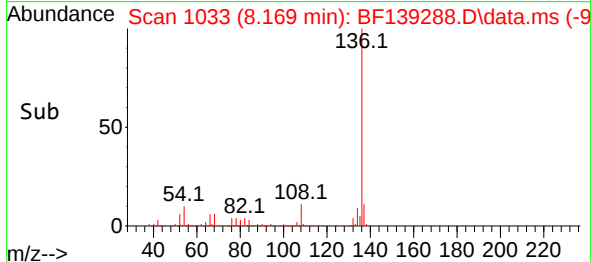
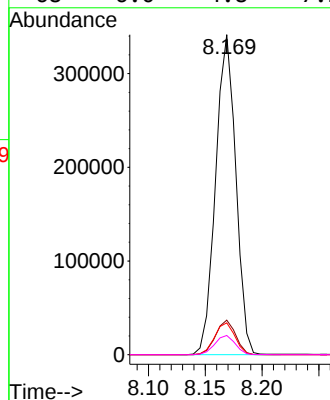
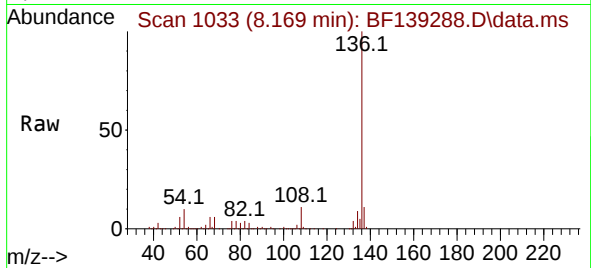


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE

Tgt Ion:136 Resp: 422591

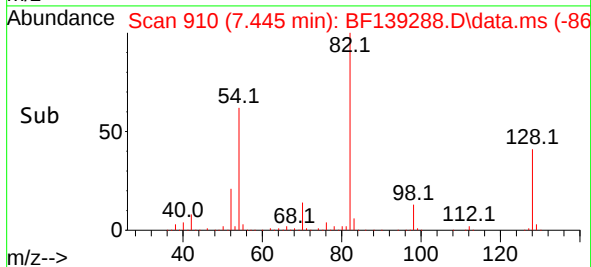
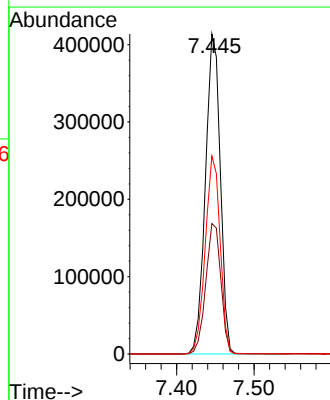
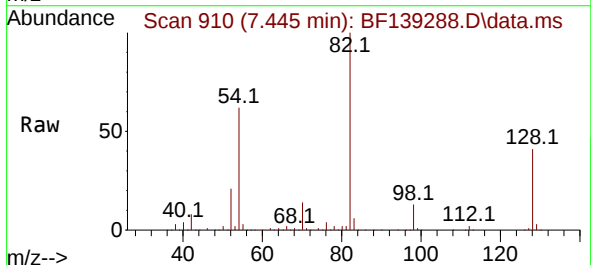
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.9	8.4	12.6
68	6.0	4.8	7.2

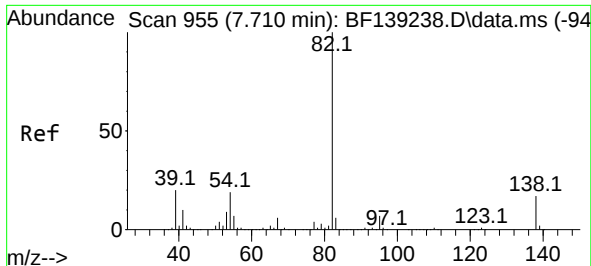


#23
Nitrobenzene-d5
Concen: 67.910 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Tgt Ion: 82 Resp: 551650

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.3	48.5
54	61.8	51.2	76.8

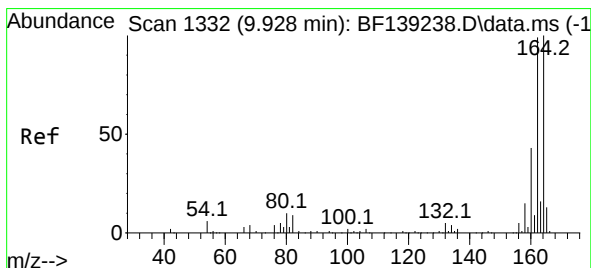
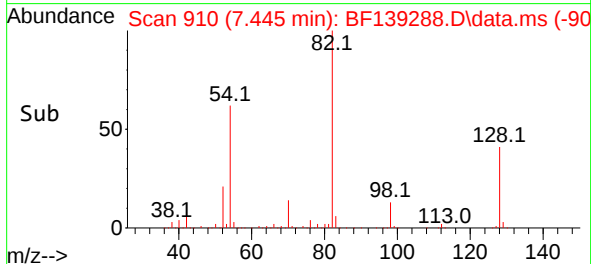
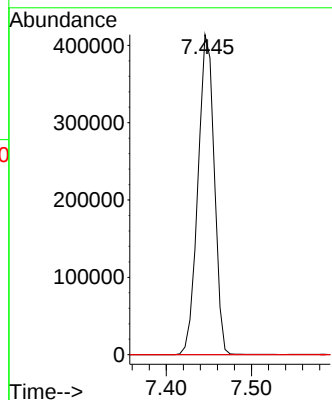
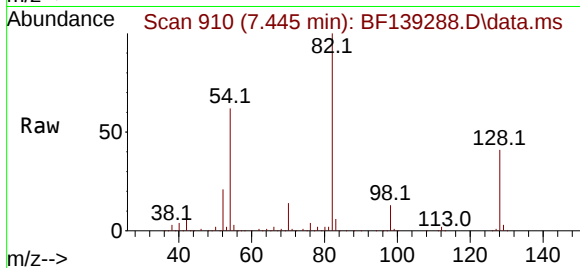




#25
Isophorone
Concen: 39.543 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

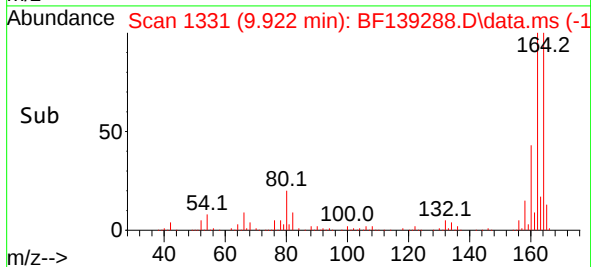
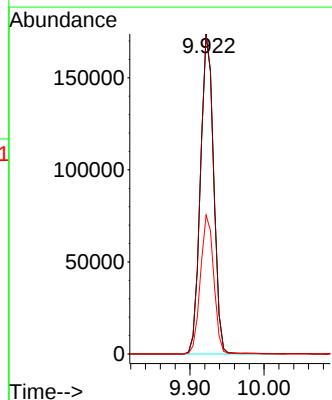
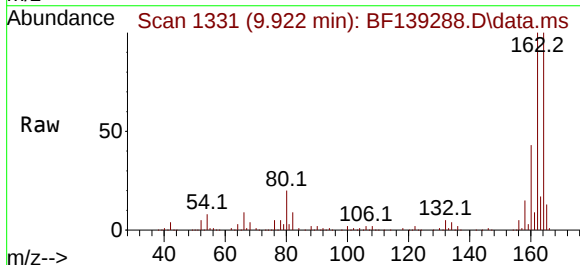
Instrument :
BNA_F
ClientSampleId :
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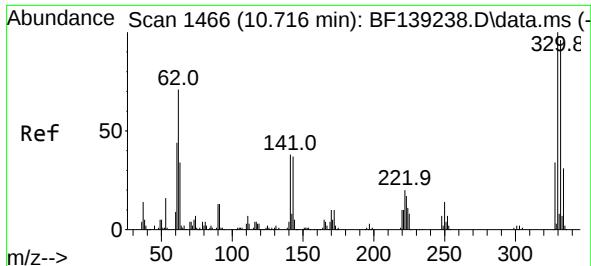
Tgt Ion: 82 Resp: 549174
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Tgt Ion:164 Resp: 214657
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 43.4 34.2 51.2

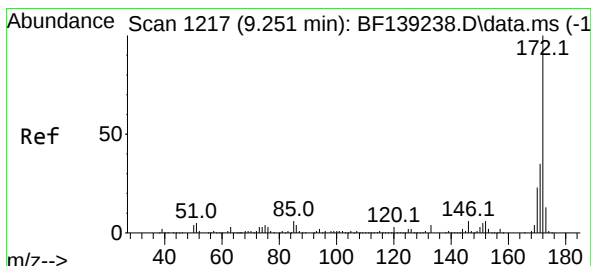
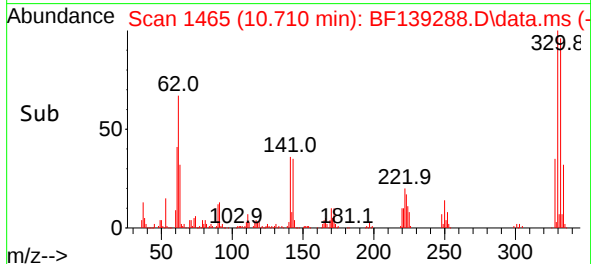
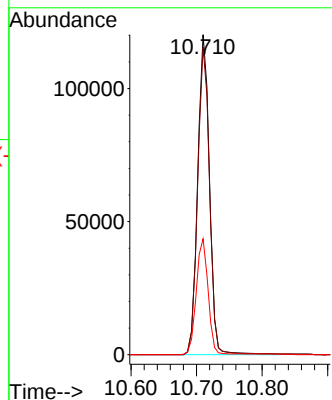
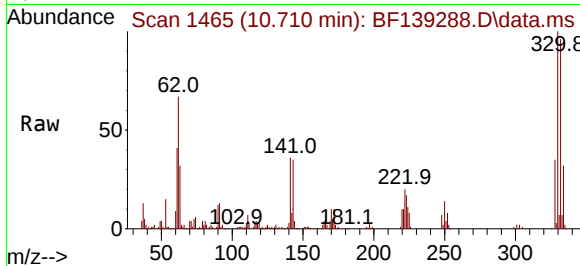




#42
2,4,6-Tribromophenol
Concen: 81.670 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

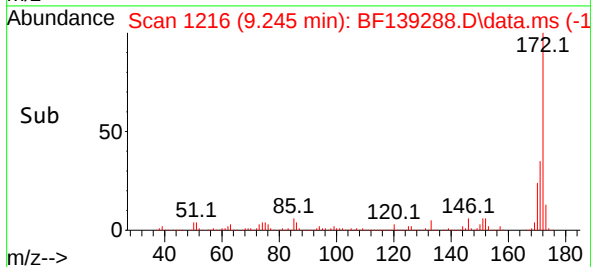
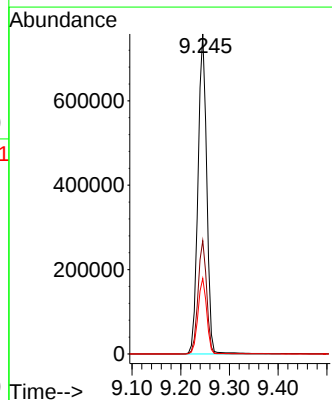
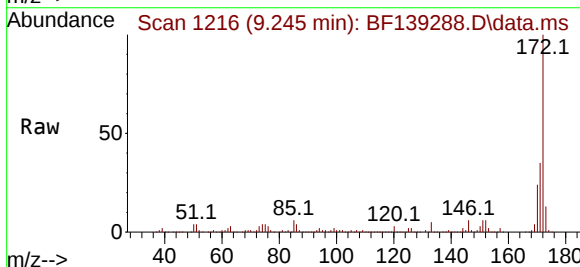
Instrument :
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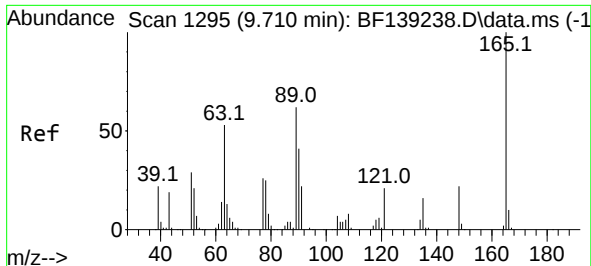
Tgt Ion:330 Resp: 151383
Ion Ratio Lower Upper
330 100
332 97.1 76.6 115.0
141 36.3 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 68.591 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Tgt Ion:172 Resp: 953819
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.6 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.449 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE

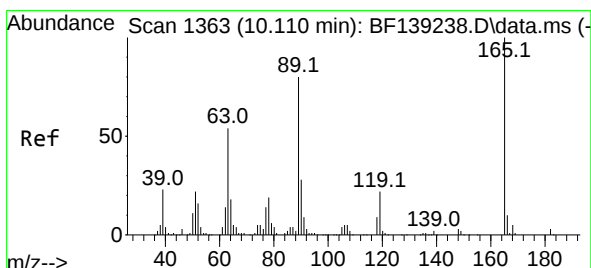
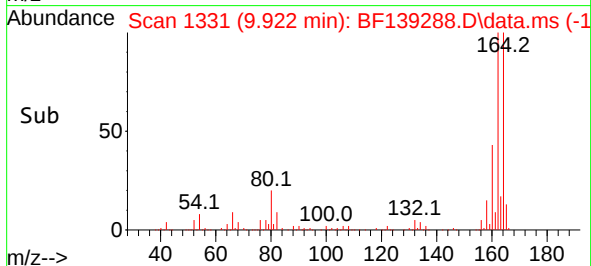
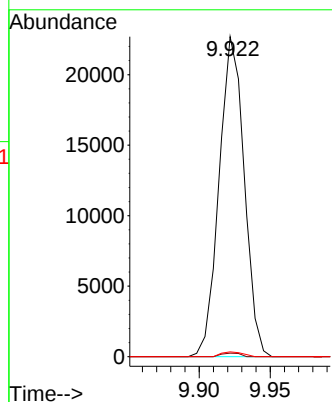
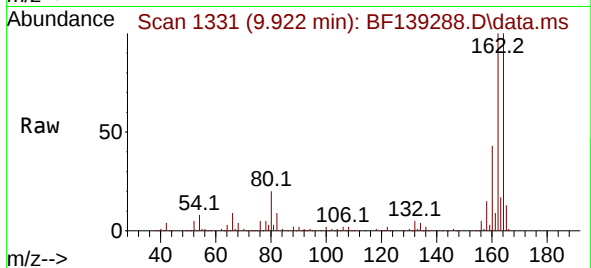
Tgt Ion:165 Resp: 27888

Ion Ratio Lower Upper

165 100

63 1.1 56.1 84.1#

89 1.5 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.423 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Tgt Ion:165 Resp: 27888

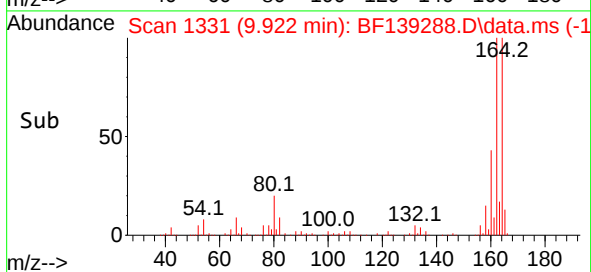
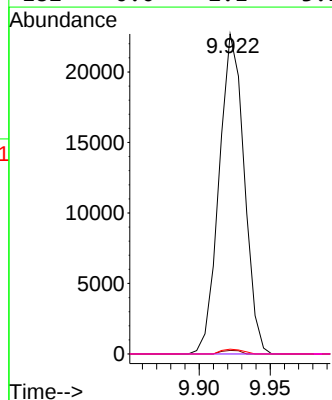
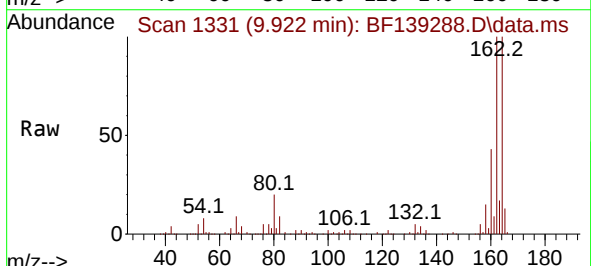
Ion Ratio Lower Upper

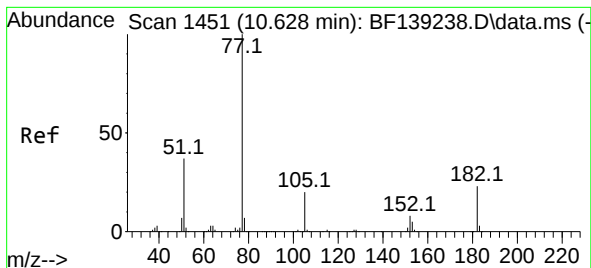
165 100

63 1.1 43.4 65.0#

89 1.5 64.2 96.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.090 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 77 Resp: 41694

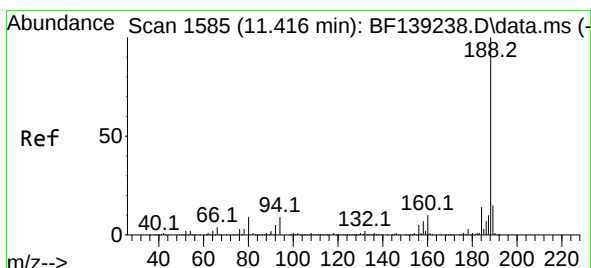
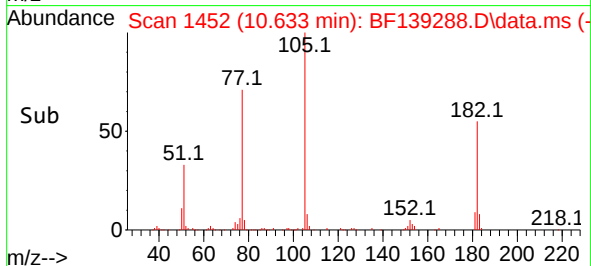
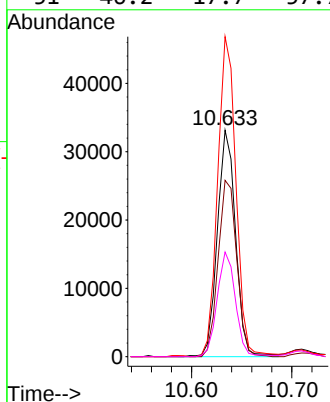
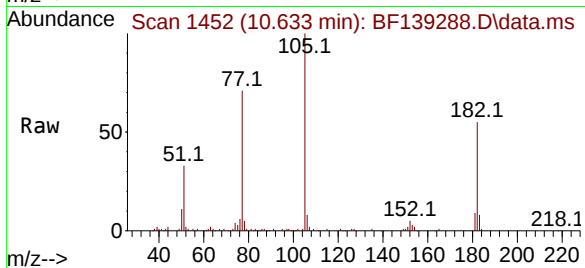
Ion Ratio Lower Upper

77 100

182 77.9 3.0 43.0#

105 141.3 0.0 39.4#

51 46.2 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

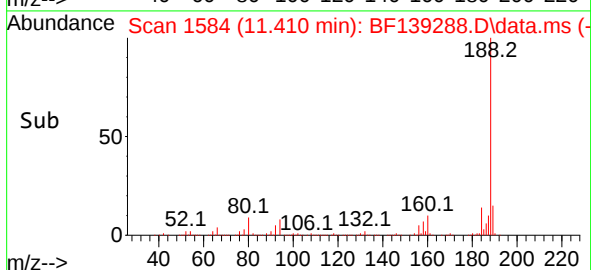
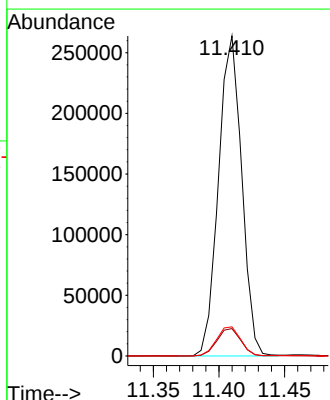
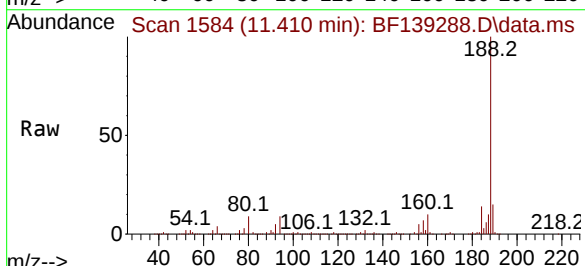
Tgt Ion: 188 Resp: 324418

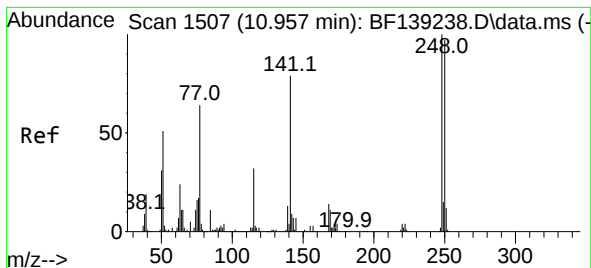
Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 9.1 7.3 10.9

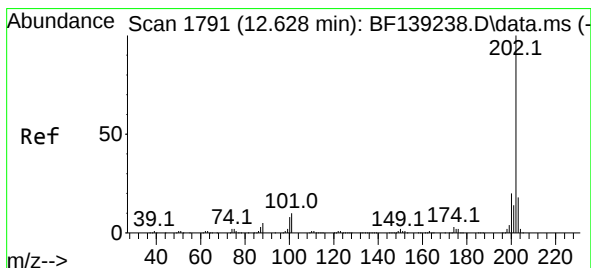
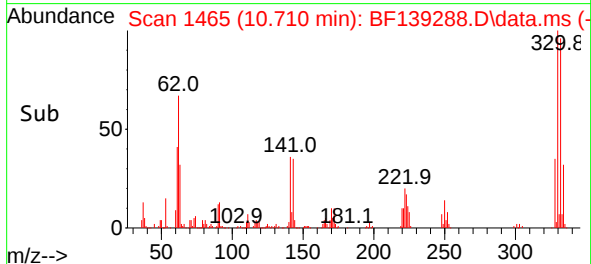
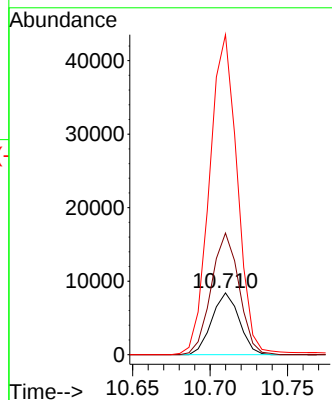
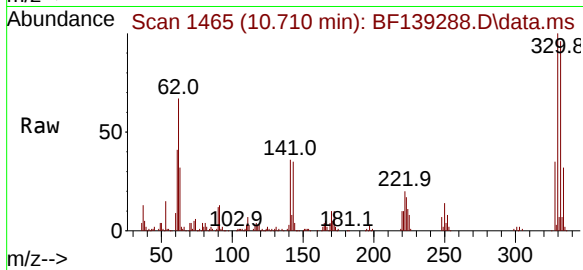




#67
4-Bromophenyl-phenylether
Concen: 3.277 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

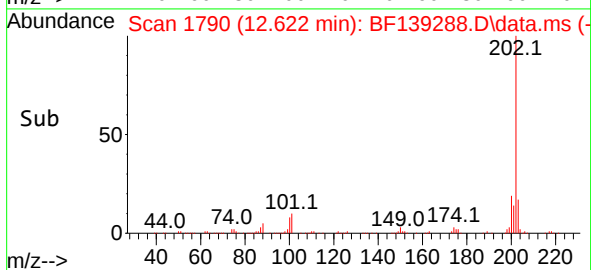
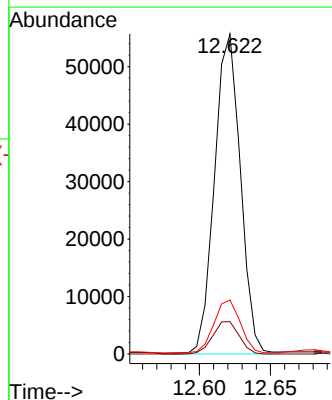
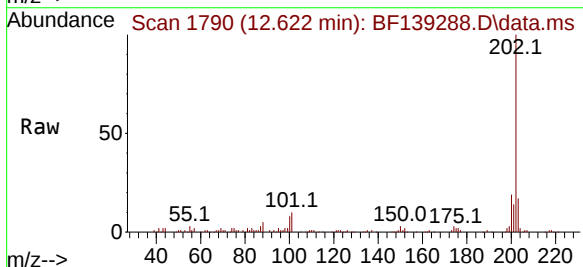
Instrument :
BNA_F
ClientSampleId :
SHEEPSHEAD-SOIL-PILE

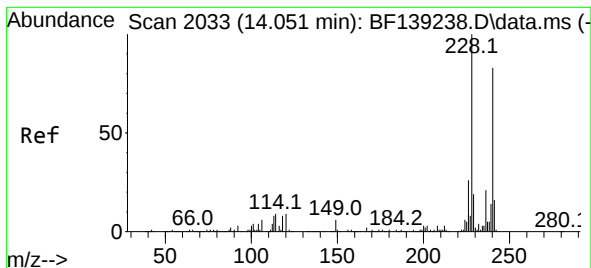
Tgt Ion:248 Resp: 10316
Ion Ratio Lower Upper
248 100
250 197.0 77.2 115.8#
141 518.3 63.6 95.4#



#75
Fluoranthene
Concen: 4.656 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139288.D
Acq: 09 Sep 2024 17:48

Tgt Ion:202 Resp: 70740
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.9
203 16.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139288.D

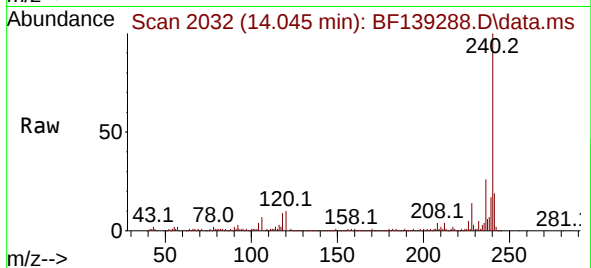
Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE



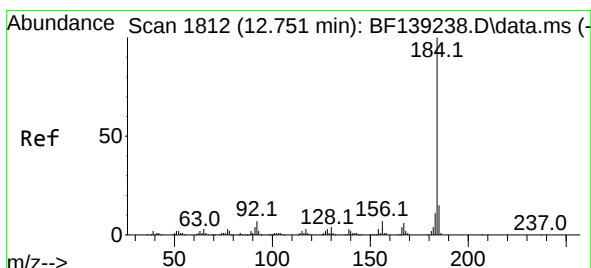
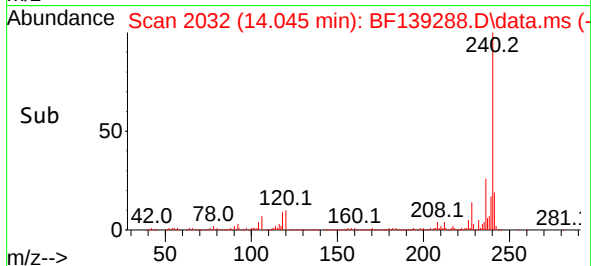
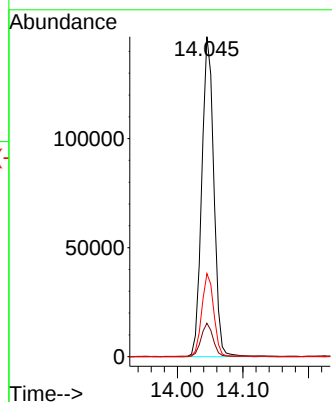
Tgt Ion:240 Resp: 188447

Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 26.0 20.7 31.1



#77

Benzidine

Concen: 2.494 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

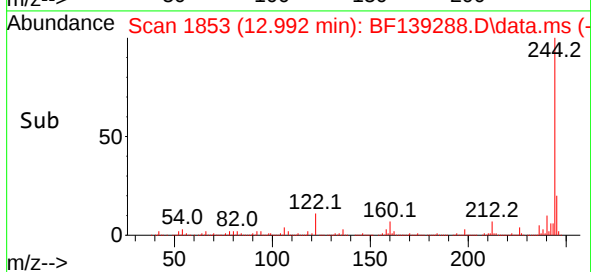
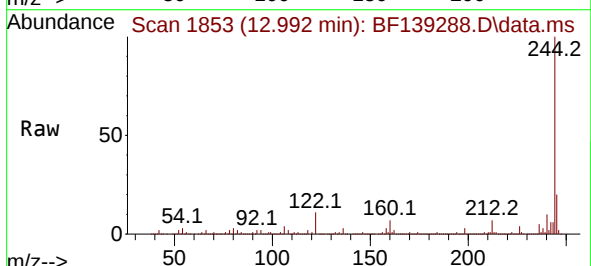
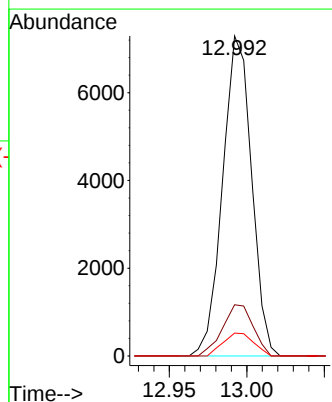
Tgt Ion:184 Resp: 9463

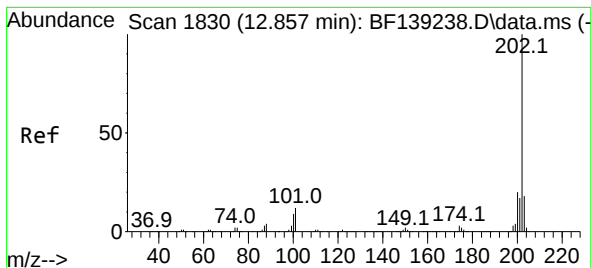
Ion Ratio Lower Upper

184 100

185 16.0 11.9 17.9

183 7.1 8.8 13.2#





#78

Pyrene

Concen: 3.406 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE

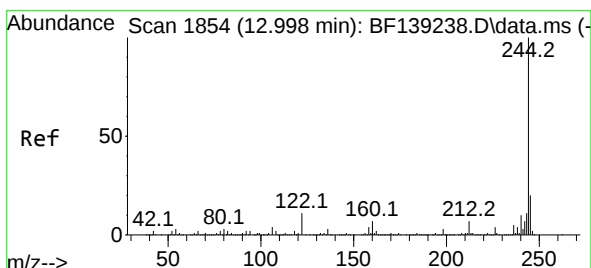
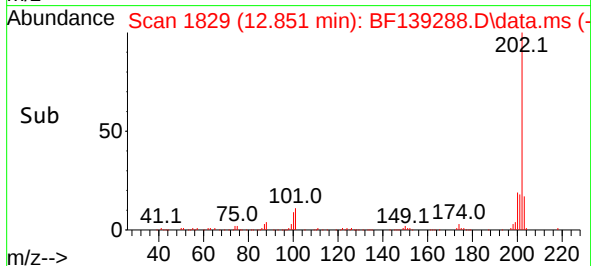
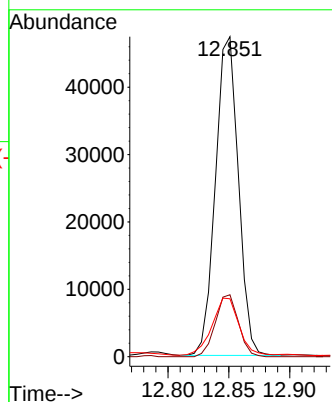
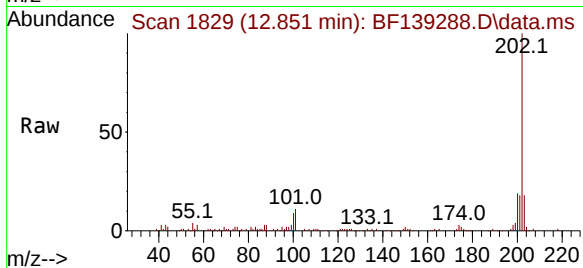
Tgt Ion:202 Resp: 62006

Ion Ratio Lower Upper

202 100

200 19.4 15.8 23.8

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 56.372 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

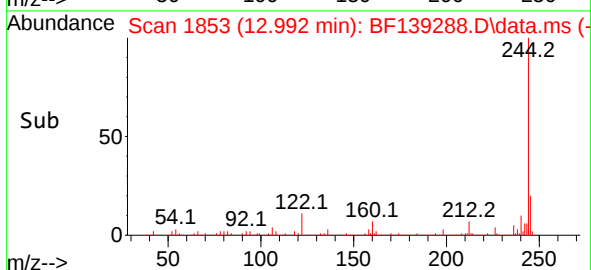
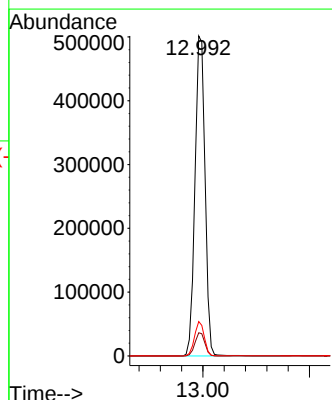
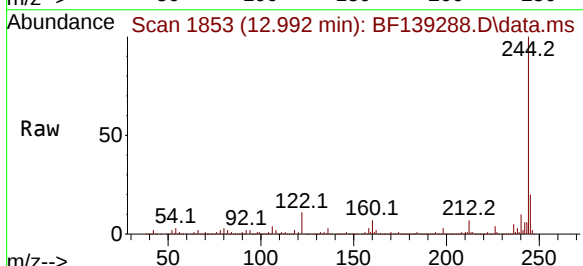
Tgt Ion:244 Resp: 657950

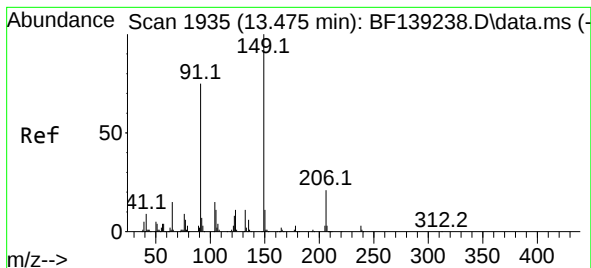
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 10.8 8.7 13.1





#80

Butylbenzylphthalate

Concen: 3.504 ng

RT: 13.633 min Scan# 1935

Delta R.T. 0.159 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE

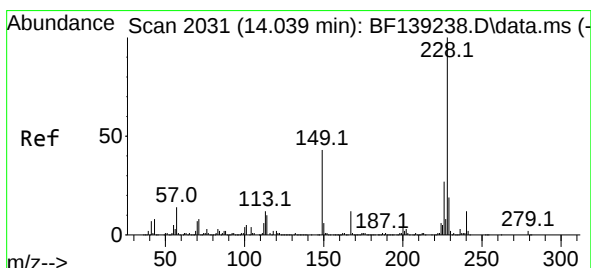
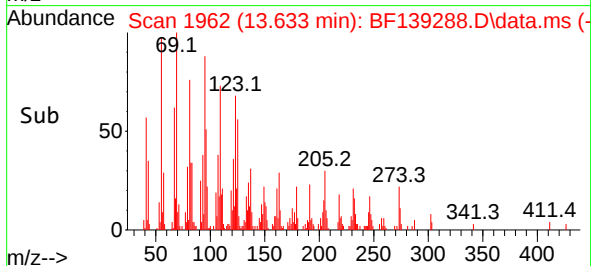
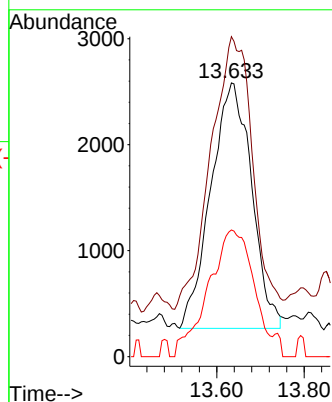
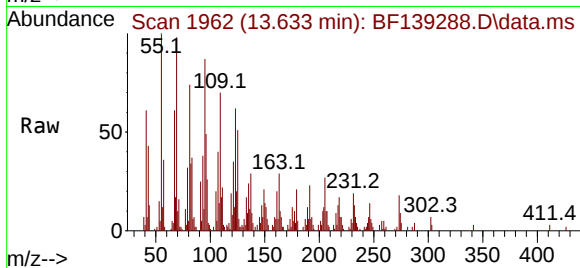
Tgt Ion:149 Resp: 15015

Ion Ratio Lower Upper

149 100

91 116.9 60.3 90.5#

206 46.3 16.7 25.1#



#81

Benzo(a)anthracene

Concen: 3.330 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.029 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

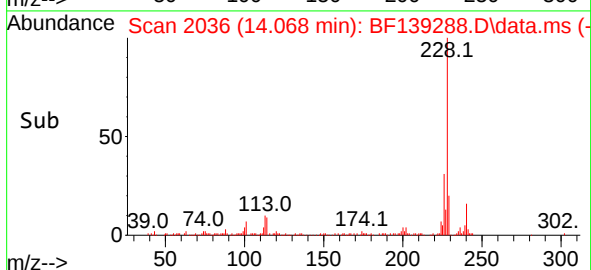
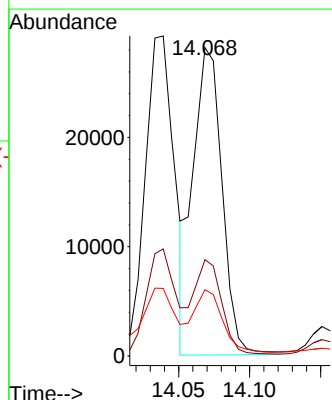
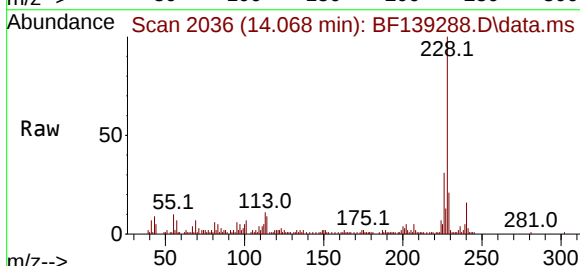
Tgt Ion:228 Resp: 40066

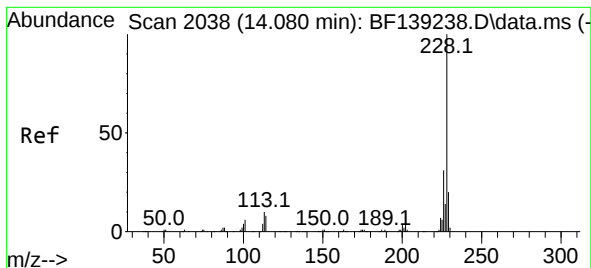
Ion Ratio Lower Upper

228 100

226 31.2 21.5 32.3

229 21.5 15.6 23.4





#83

Chrysene

Concen: 3.568 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE

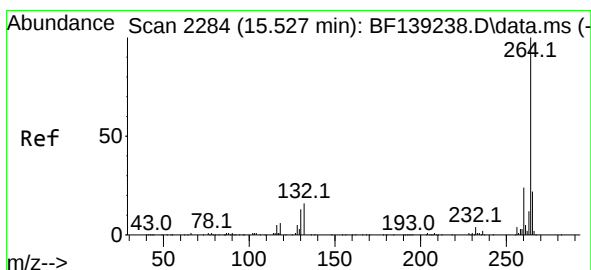
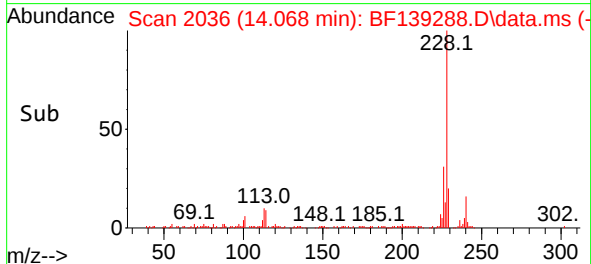
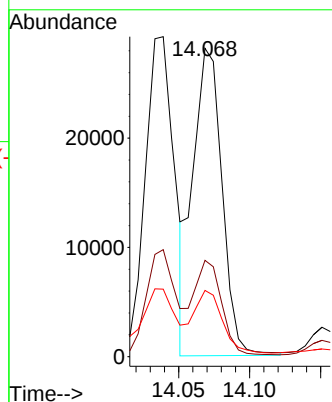
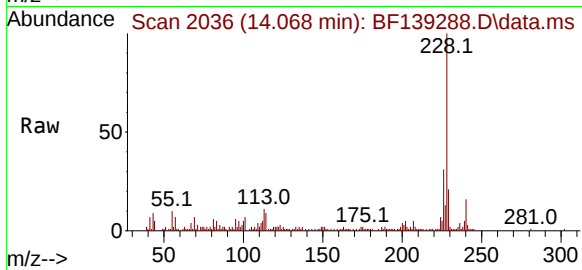
Tgt Ion:228 Resp: 40066

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.8

229 21.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

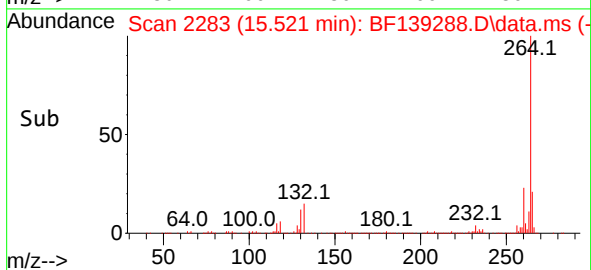
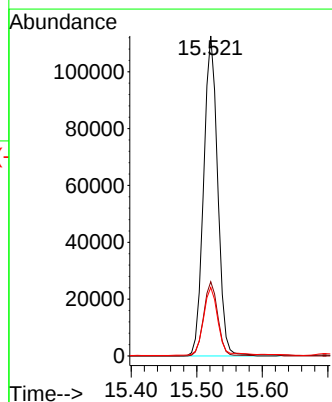
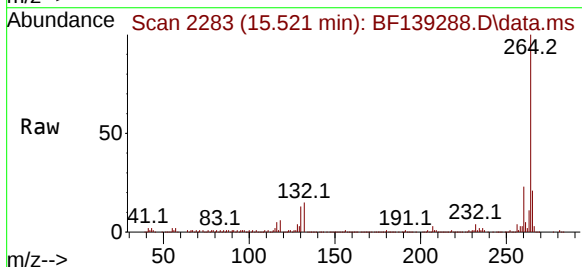
Tgt Ion:264 Resp: 168675

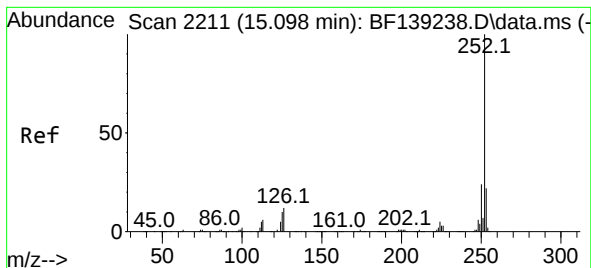
Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 21.4 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 7.116 ng

RT: 15.092 min Scan# 2110

Delta R.T. -0.006 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE

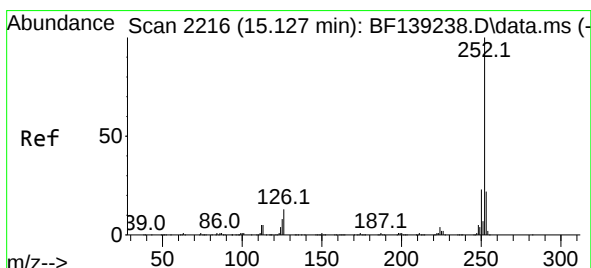
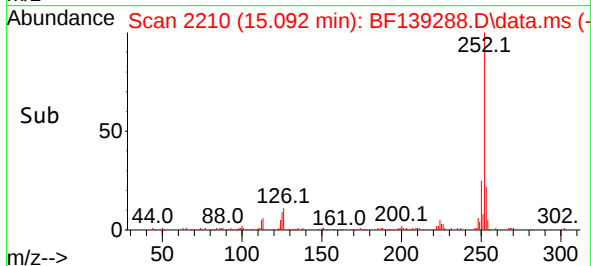
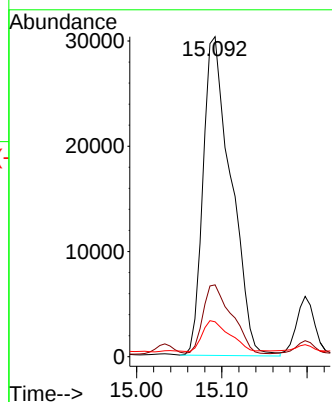
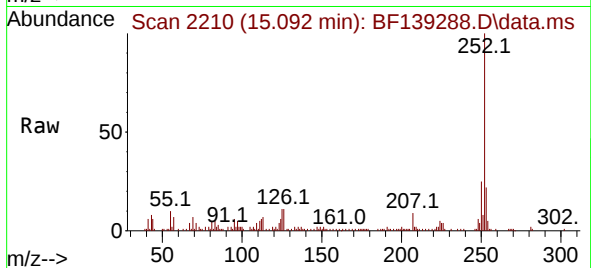
Tgt Ion:252 Resp: 69124

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.9 7.6 11.4



#89

Benzo(k)fluoranthene

Concen: 7.936 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF139288.D

Acq: 09 Sep 2024 17:48

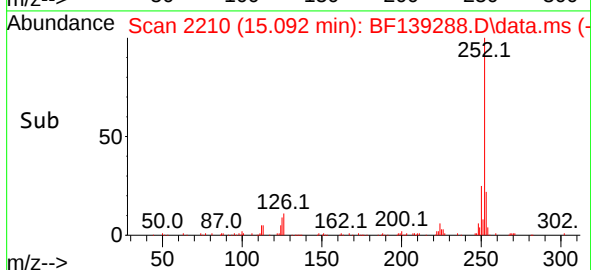
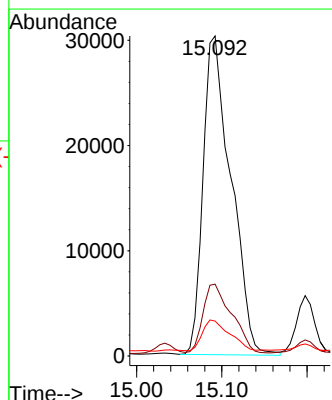
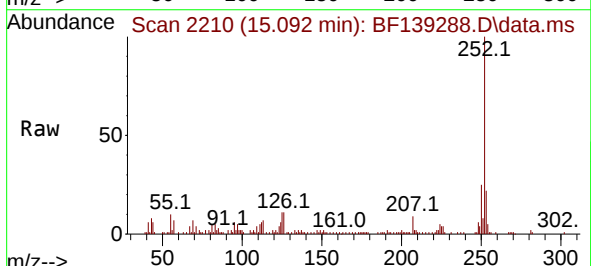
Tgt Ion:252 Resp: 69124

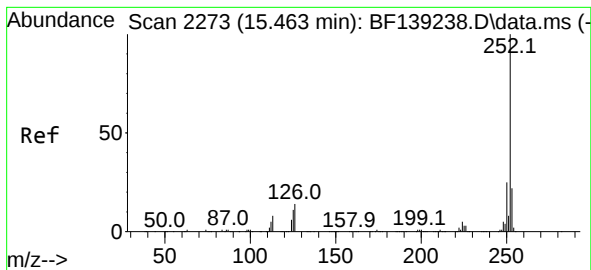
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.826 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139288.D

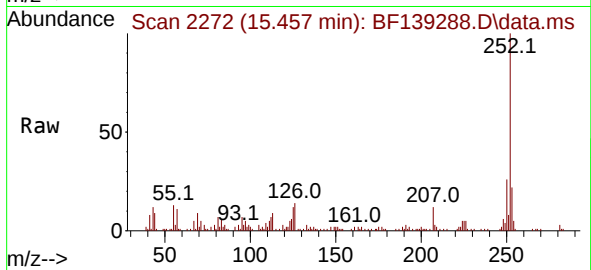
Acq: 09 Sep 2024 17:48

Instrument :

BNA_F

ClientSampleId :

SHEEPSHEAD-SOIL-PILE



Tgt Ion:252 Resp: 31559

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 11.6 8.6 13.0

