

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141741.D
 Acq On : 24 Feb 2025 13:41
 Operator : RC/JU
 Sample : Q1412-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GAS-FUEL-ISLAND-MAT

Quant Time: Feb 24 14:08:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

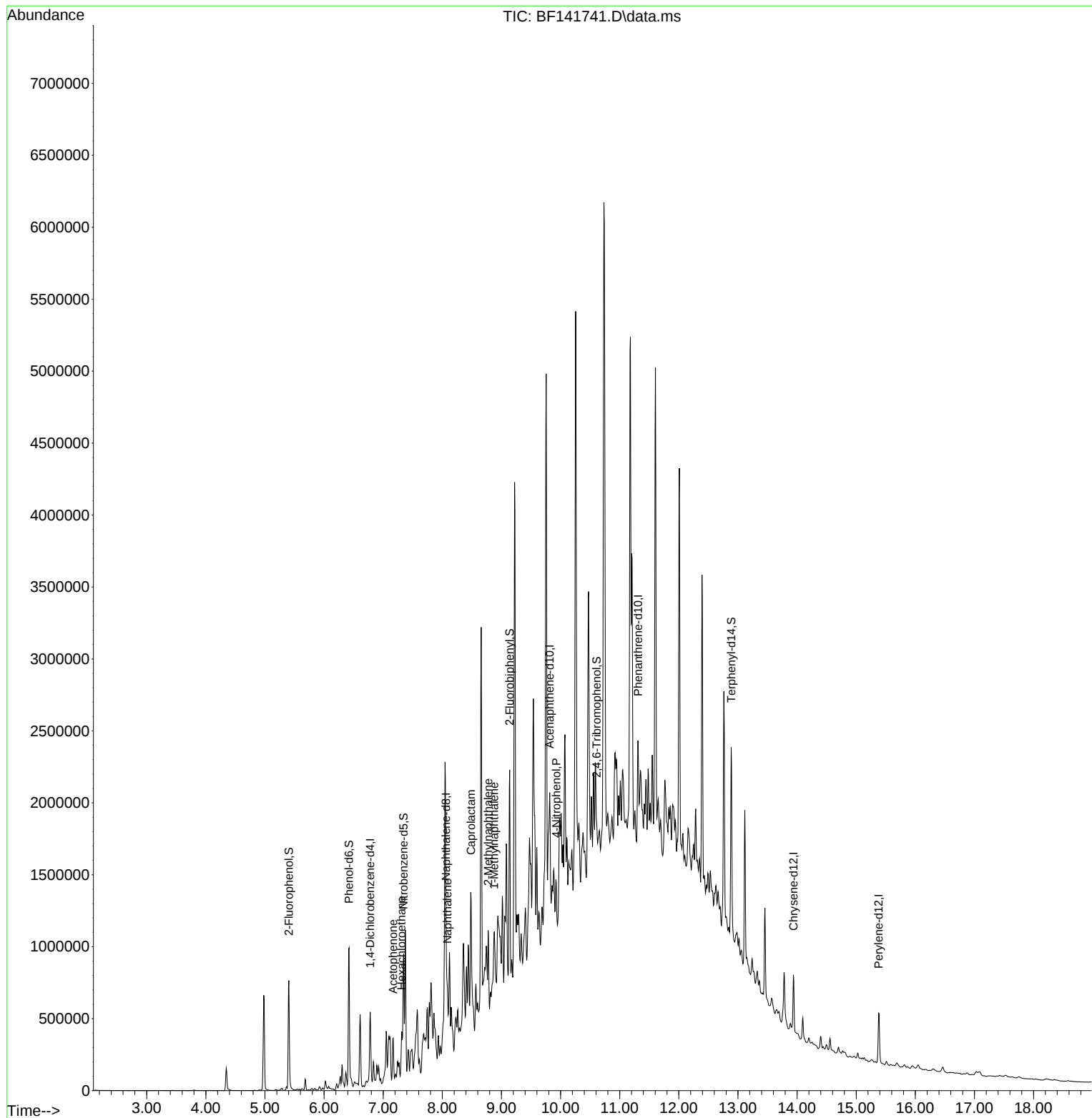
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90119	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	340095	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	179403	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	263528	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	197149	20.000	ng	-0.02
86) Perylene-d12	15.380	264	210010	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	314918	54.784	ng	0.00
7) Phenol-d6	6.422	99	484082	66.628	ng	-0.02
23) Nitrobenzene-d5	7.345	82	362454	55.587	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	53670	29.781	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	679873	58.385	ng	-0.01
79) Terphenyl-d14	12.886	244	593180	50.794	ng	-0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.310	117	17161	6.921	ng	# 1
22) Acetophenone	7.169	105	34890	4.124	ng	# 27
31) Naphthalene	8.086	128	113863	6.432	ng	# 94
35) Caprolactam	8.486	113	24473	16.098	ng	# 1
37) 2-Methylnaphthalene	8.775	142	207652	18.025	ng	100
38) 1-Methylnaphthalene	8.875	142	111518	9.995	ng	97
56) 4-Nitrophenol	9.928	139	5069	2.383	ng	# 1

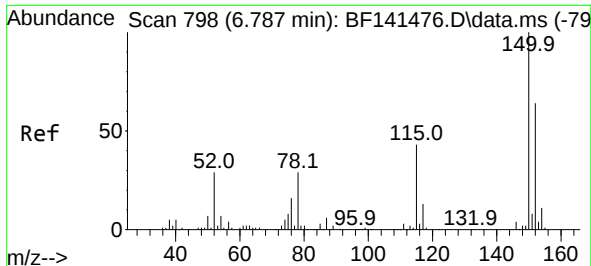
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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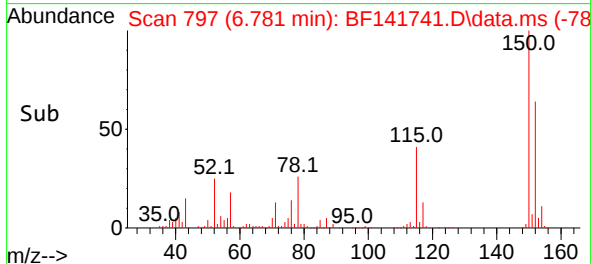
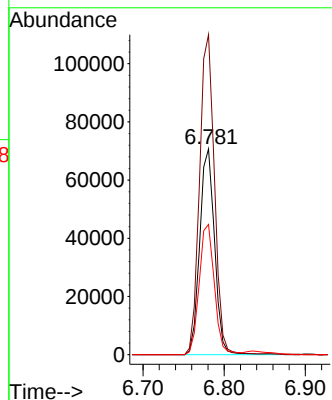
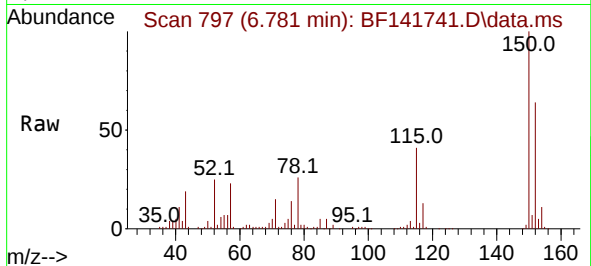




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

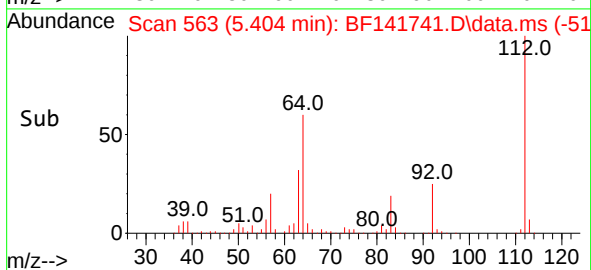
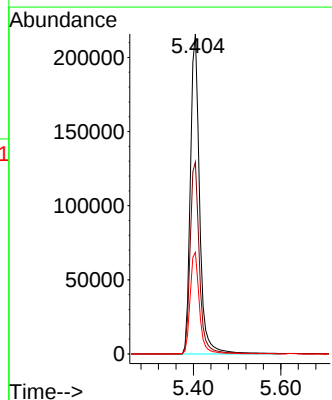
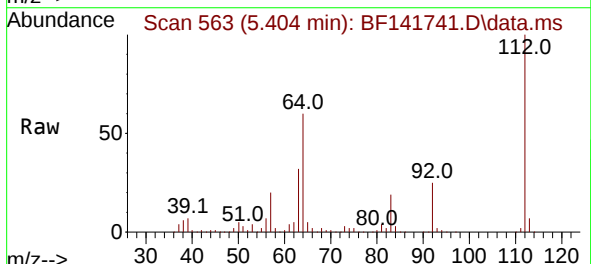
Instrument :
BNA_F
ClientSampleId :
GAS-FUEL-ISLAND-MAT

Tgt Ion:152 Resp: 90119
Ion Ratio Lower Upper
152 100
150 155.5 125.0 187.4
115 63.3 53.6 80.4



#5
2-Fluorophenol
Concen: 54.784 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

Tgt Ion:112 Resp: 314918
Ion Ratio Lower Upper
112 100
64 59.9 51.1 76.7
63 31.8 28.4 42.6





#7

Phenol-d6

Concen: 66.628 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF141741.D

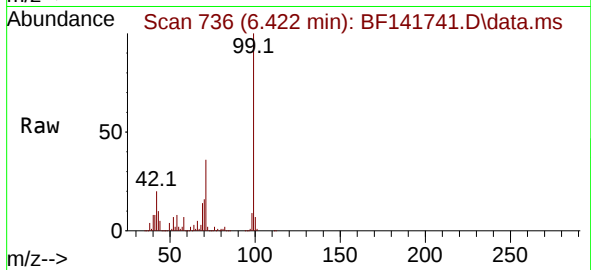
Acq: 24 Feb 2025 13:41

Instrument :

BNA_F

ClientSampleId :

GAS-FUEL-ISLAND-MAT



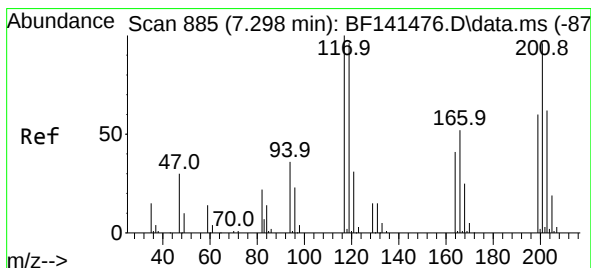
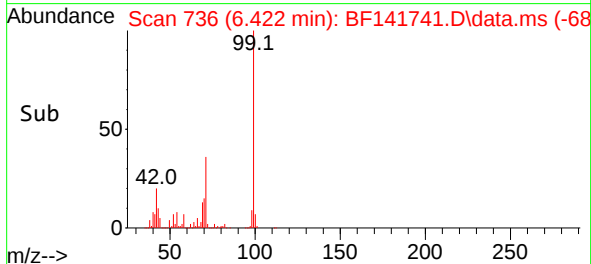
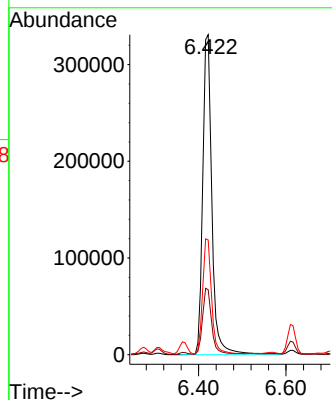
Tgt Ion: 99 Resp: 484082

Ion Ratio Lower Upper

99 100

42 20.3 19.1 28.7

71 35.9 31.1 46.7



#18

Hexachloroethane

Concen: 6.921 ng

RT: 7.310 min Scan# 887

Delta R.T. 0.006 min

Lab File: BF141741.D

Acq: 24 Feb 2025 13:41

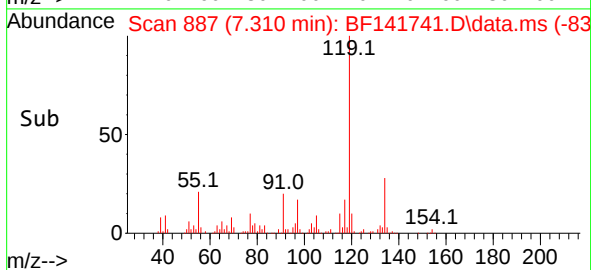
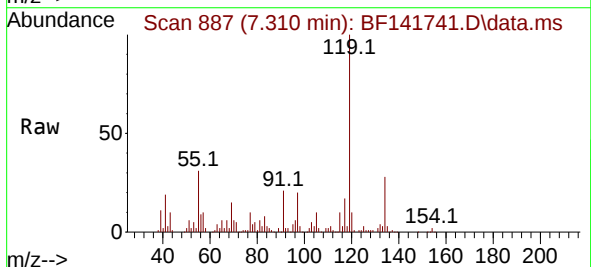
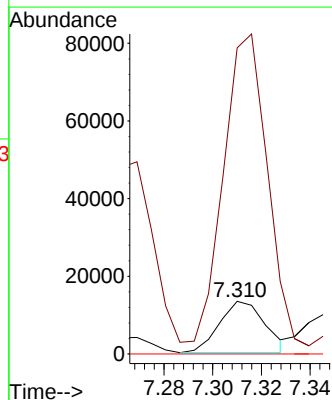
Tgt Ion: 117 Resp: 17161

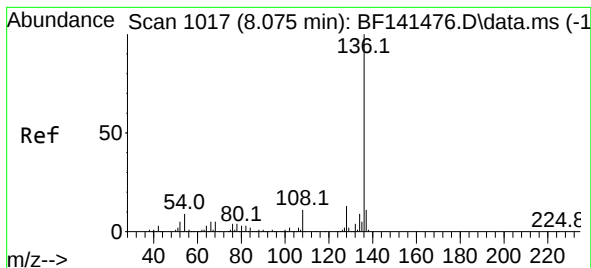
Ion Ratio Lower Upper

117 100

119 581.3 76.5 114.7#

201 0.0 76.7 115.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141741.D

Acq: 24 Feb 2025 13:41

Instrument :

BNA_F

ClientSampleId :

GAS-FUEL-ISLAND-MAT

Tgt Ion:136 Resp: 340095

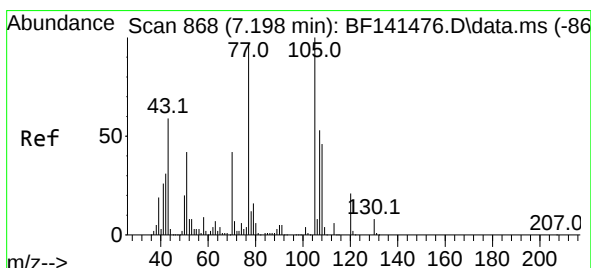
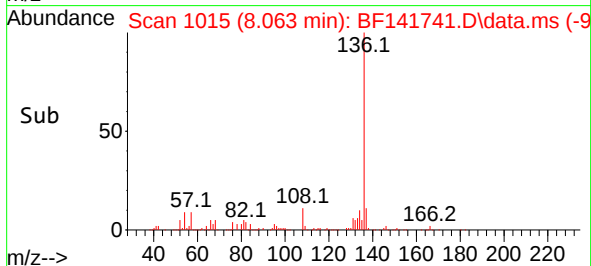
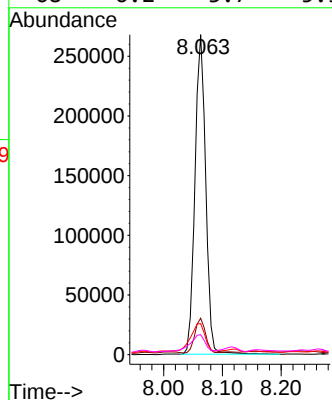
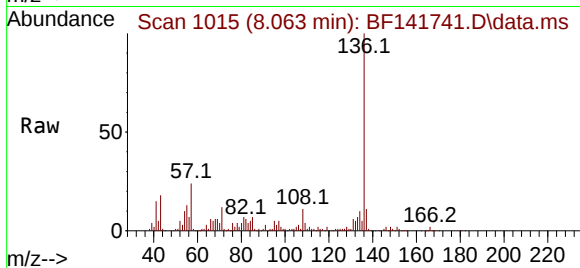
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.7 7.2 10.8

68 6.2 3.7 5.5#



#22

Acetophenone

Concen: 4.124 ng

RT: 7.169 min Scan# 863

Delta R.T. -0.041 min

Lab File: BF141741.D

Acq: 24 Feb 2025 13:41

Tgt Ion:105 Resp: 34890

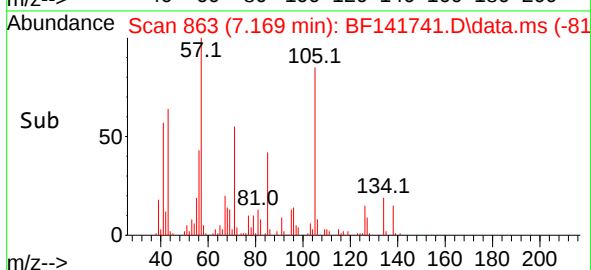
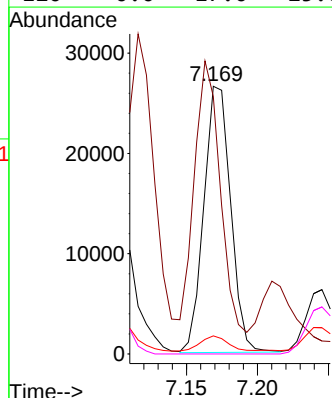
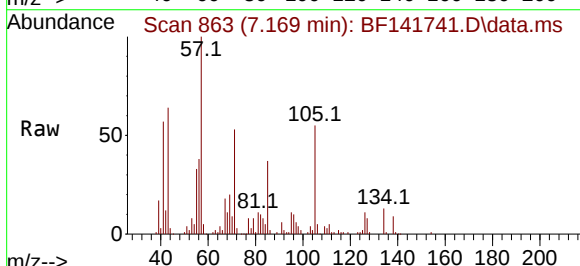
Ion Ratio Lower Upper

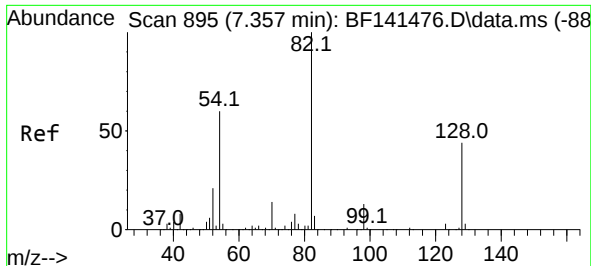
105 100

71 96.2 5.7 8.5#

51 6.8 33.7 50.5#

120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 55.587 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141741.D

Acq: 24 Feb 2025 13:41

Instrument :

BNA_F

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GAS-FUEL-ISLAND-MAT

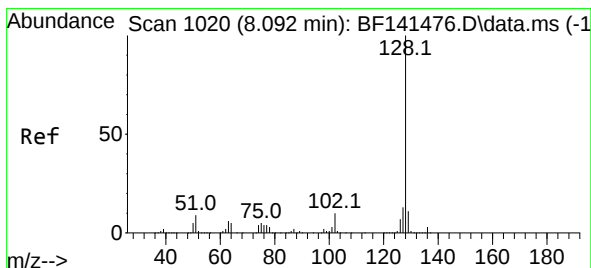
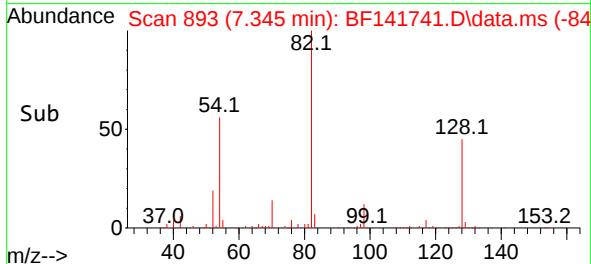
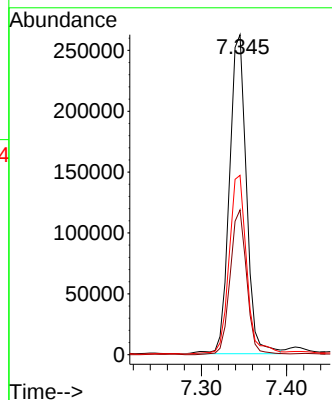
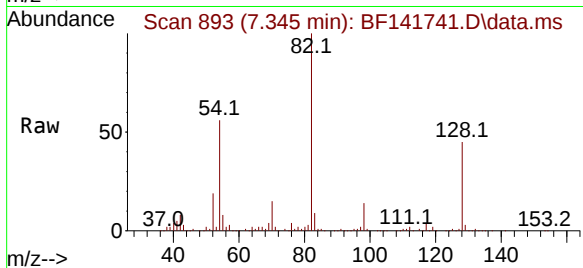
Tgt Ion: 82 Resp: 362454

Ion Ratio Lower Upper

82 100

128 45.3 34.8 52.2

54 56.0 48.2 72.4



#31

Naphthalene

Concen: 6.432 ng

RT: 8.086 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF141741.D

Acq: 24 Feb 2025 13:41

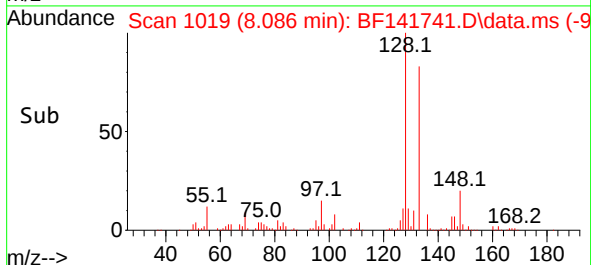
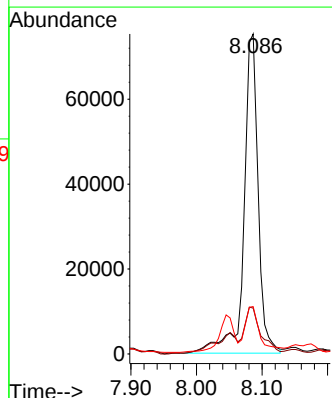
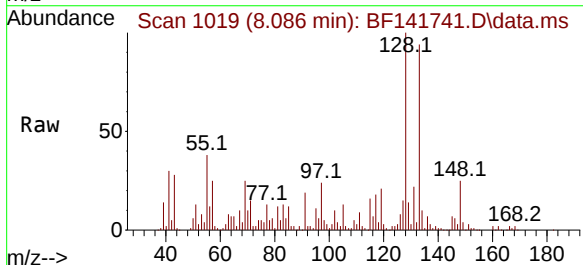
Tgt Ion: 128 Resp: 113863

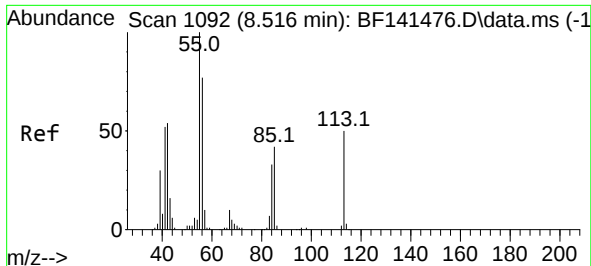
Ion Ratio Lower Upper

128 100

129 14.4 8.9 13.3#

127 14.8 10.7 16.1

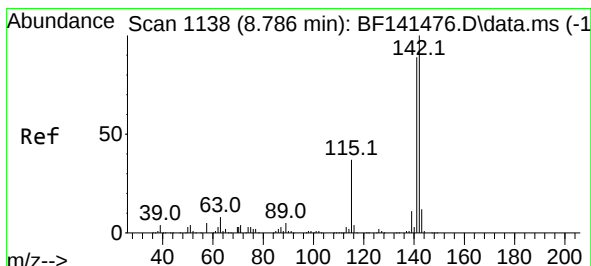
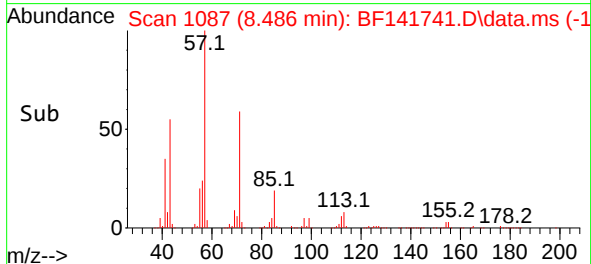
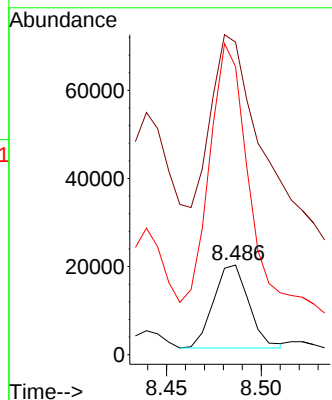
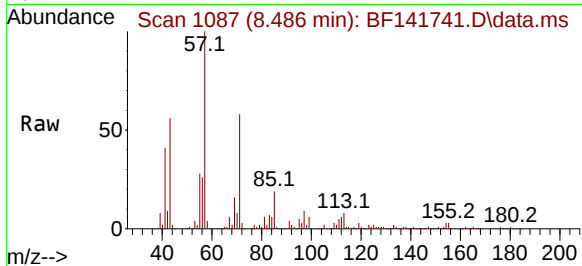




#35
 Caprolactam
 Concen: 16.098 ng
 RT: 8.486 min Scan# 1092
 Delta R.T. -0.059 min
 Lab File: BF141741.D
 Acq: 24 Feb 2025 13:41

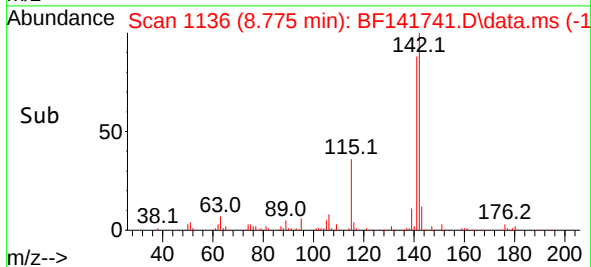
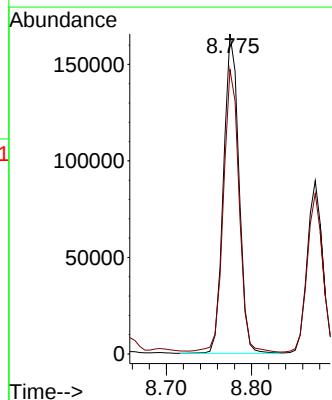
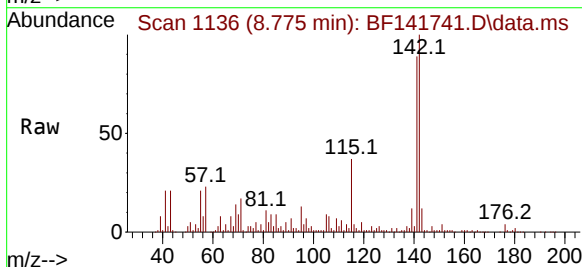
Instrument :
 BNA_F
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 GAS-FUEL-ISLAND-MAT

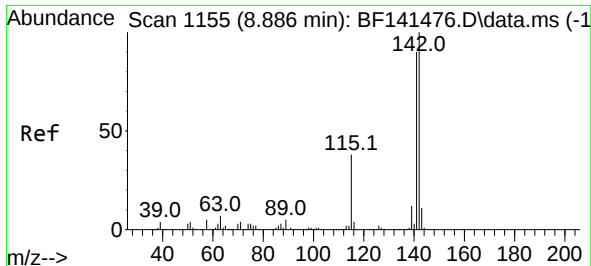
Tgt Ion:113 Resp: 24473
 Ion Ratio Lower Upper
 113 100
 55 348.8 180.8 220.8#
 56 321.5 133.6 173.6#



#37
 2-Methylnaphthalene
 Concen: 18.025 ng
 RT: 8.775 min Scan# 1136
 Delta R.T. -0.012 min
 Lab File: BF141741.D
 Acq: 24 Feb 2025 13:41

Tgt Ion:142 Resp: 207652
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.2 106.8

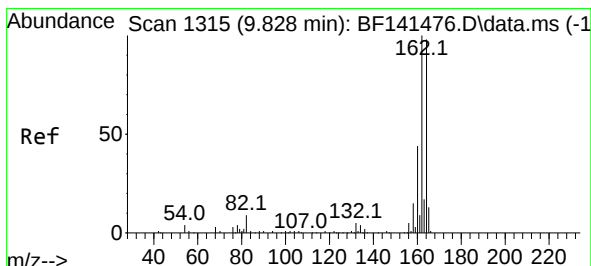
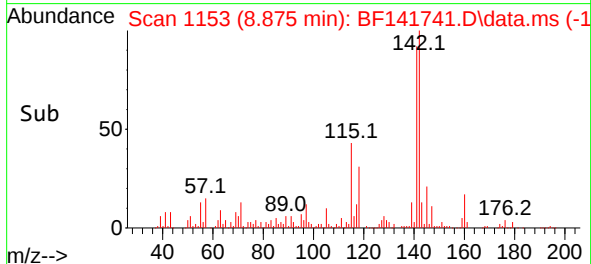
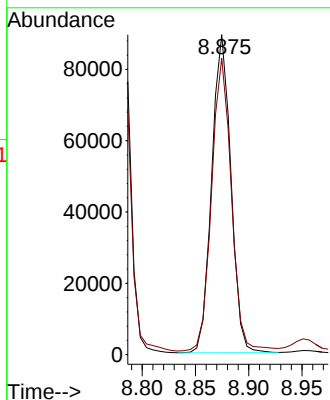
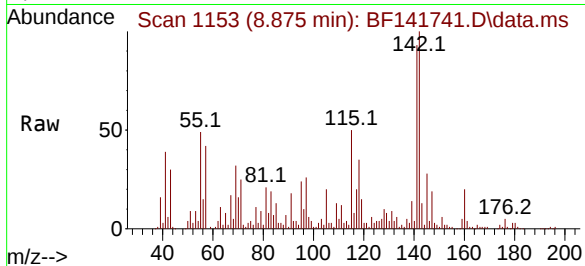




#38
1-Methylnaphthalene
Concen: 9.995 ng
RT: 8.875 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

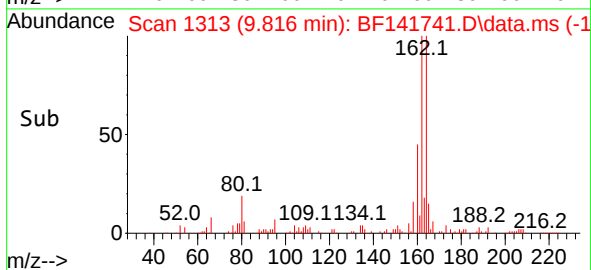
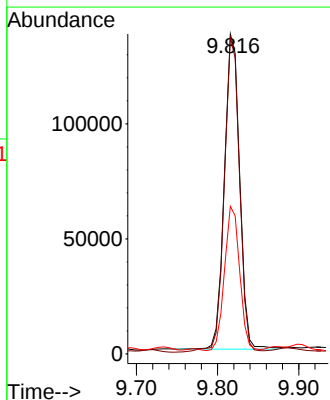
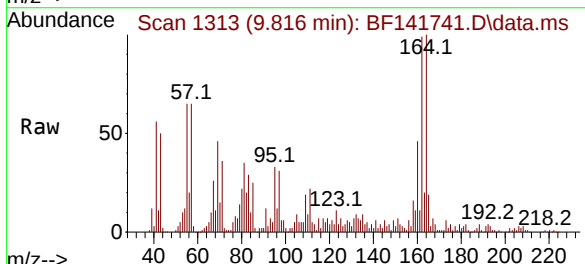
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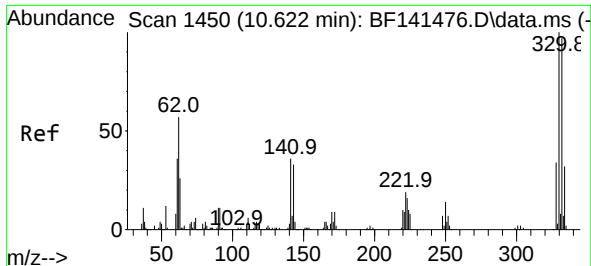
Tgt Ion:142 Resp: 111518
Ion Ratio Lower Upper
142 100
141 92.7 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

Tgt Ion:164 Resp: 179403
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 46.1 35.9 53.9

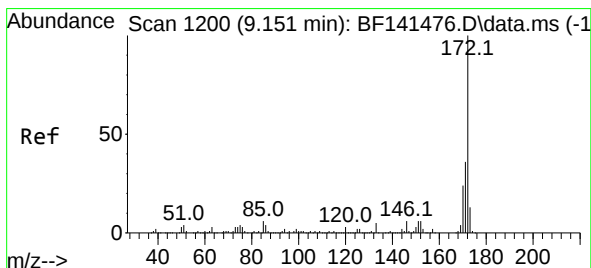
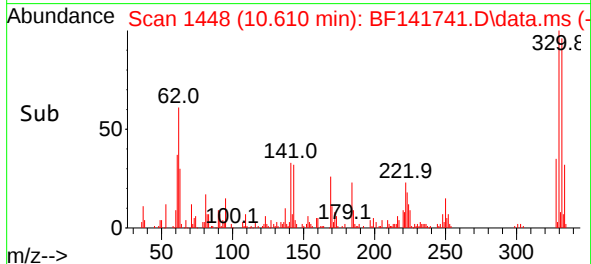
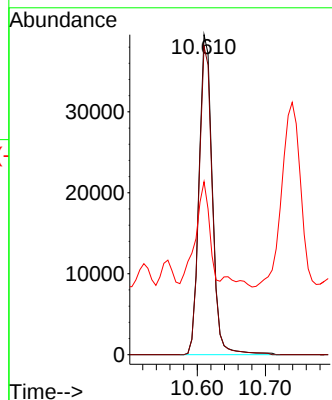
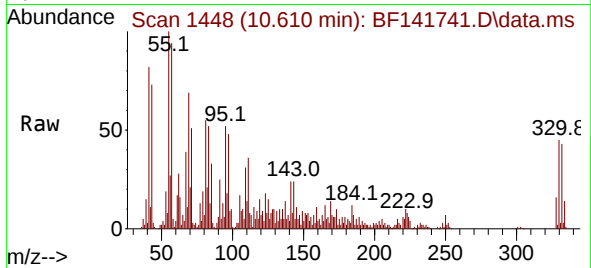




#42
2,4,6-Tribromophenol
Concen: 29.781 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

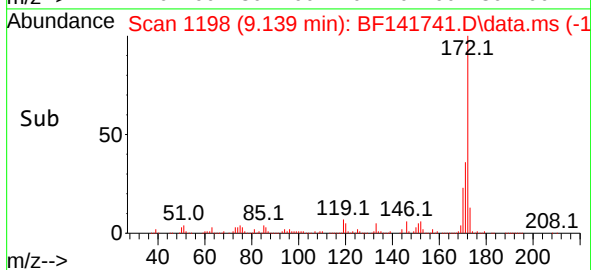
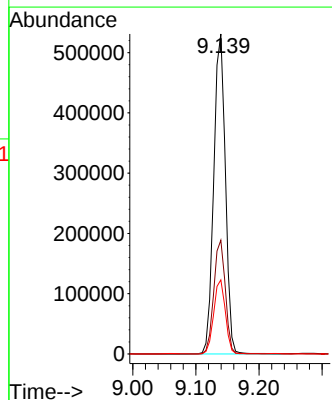
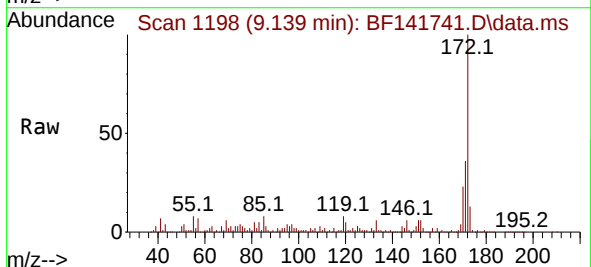
Instrument :
BNA_F
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GAS-FUEL-ISLAND-MAT

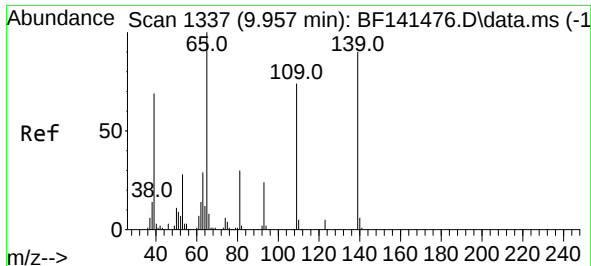
Tgt Ion:330 Resp: 53670
Ion Ratio Lower Upper
330 100
332 96.5 78.5 117.7
141 32.7 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 58.385 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

Tgt Ion:172 Resp: 679873
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.2 18.9 28.3

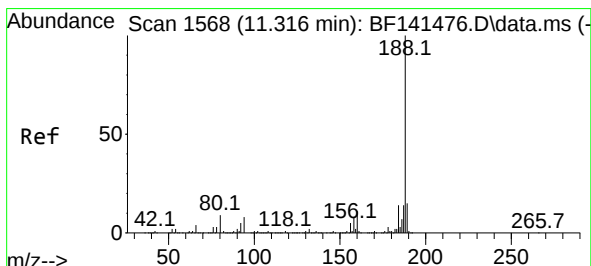
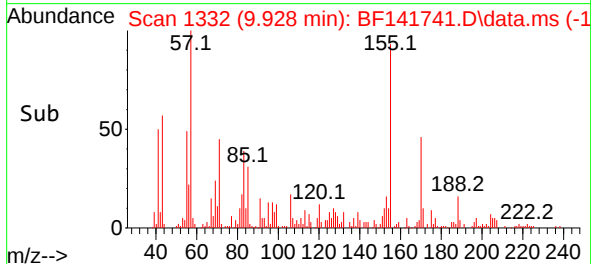
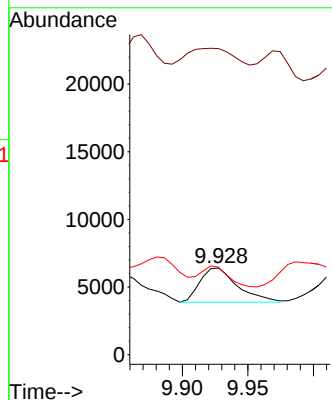
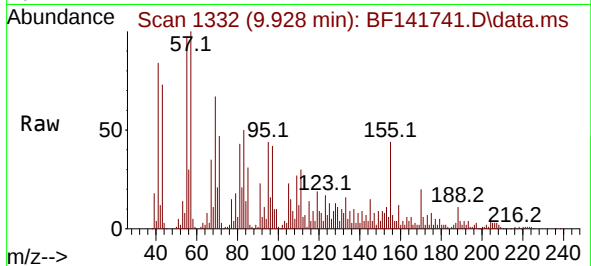




#56
4-Nitrophenol
Concen: 2.383 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

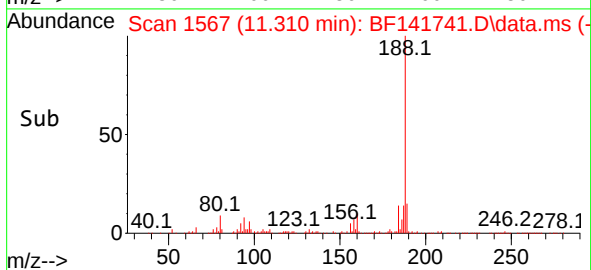
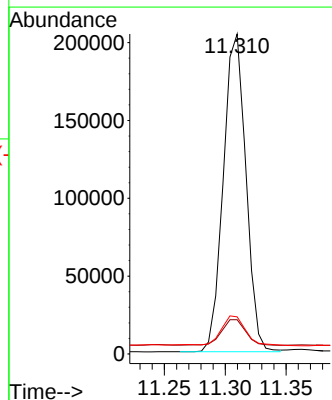
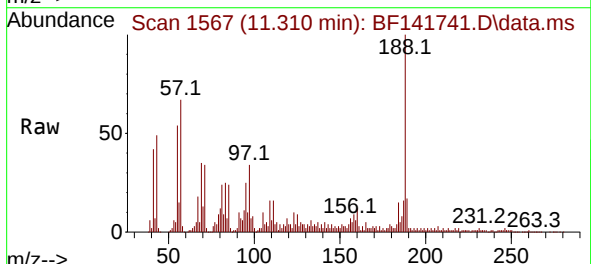
Instrument :
BNA_F
ClientSampleId :
GAS-FUEL-ISLAND-MAT

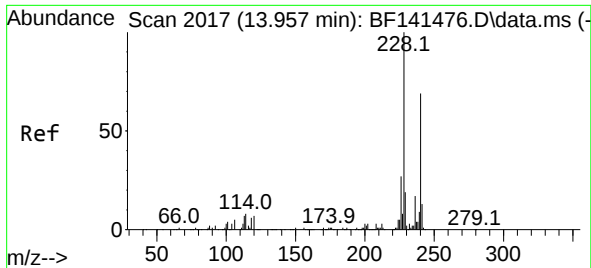
Tgt Ion:139 Resp: 5069
Ion Ratio Lower Upper
139 100
109 353.1 62.0 102.0#
65 101.0 91.2 131.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

Tgt Ion:188 Resp: 263528
Ion Ratio Lower Upper
188 100
94 10.7 6.6 10.0#
80 11.6 7.3 10.9#

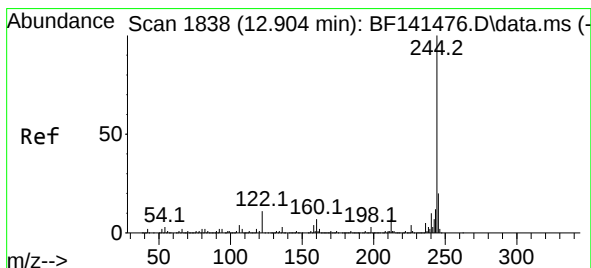
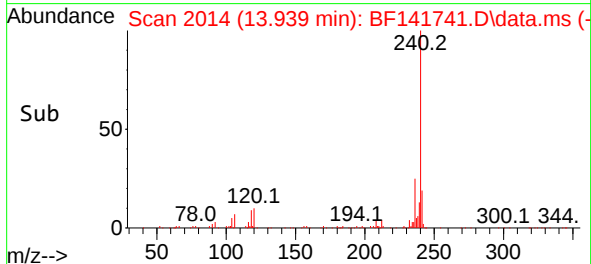
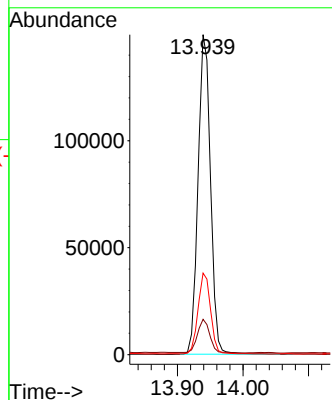
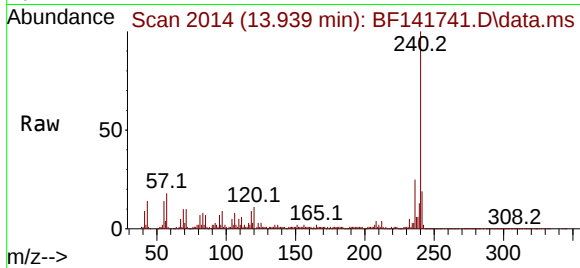




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

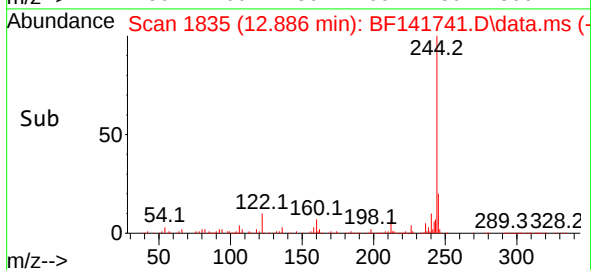
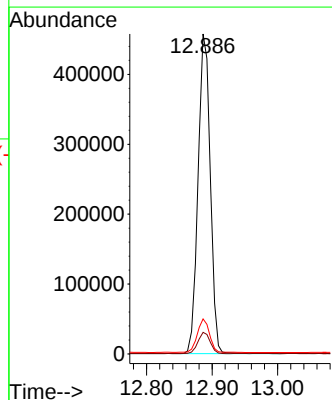
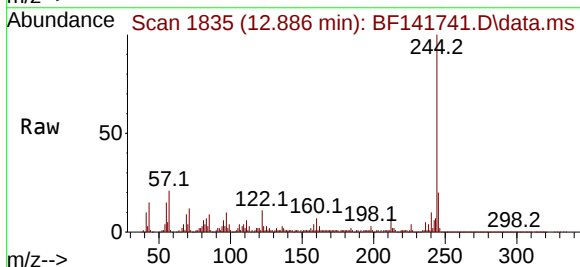
Instrument :
BNA_F
ClientSampleId :
GAS-FUEL-ISLAND-MAT

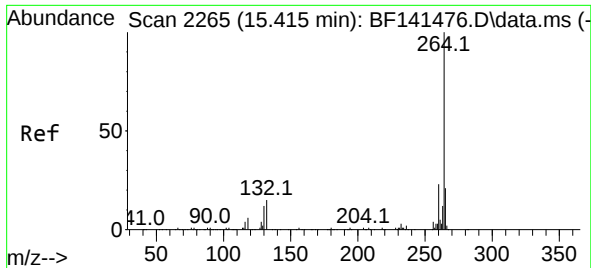
Tgt Ion:240 Resp: 197149
Ion Ratio Lower Upper
240 100
120 11.0 8.0 12.0
236 25.5 19.8 29.8



#79
Terphenyl-d14
Concen: 50.794 ng
RT: 12.886 min Scan# 1835
Delta R.T. -0.018 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

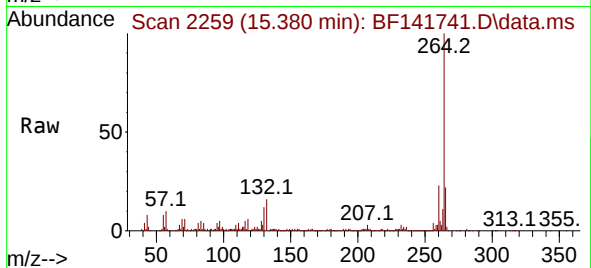
Tgt Ion:244 Resp: 593180
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.0 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141741.D
 Acq: 24 Feb 2025 13:41

Instrument :
 BNA_F
 ClientSampleId :
 GAS-FUEL-ISLAND-MAT



Tgt Ion:264 Resp: 210010
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.8 17.0 25.4

