

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)

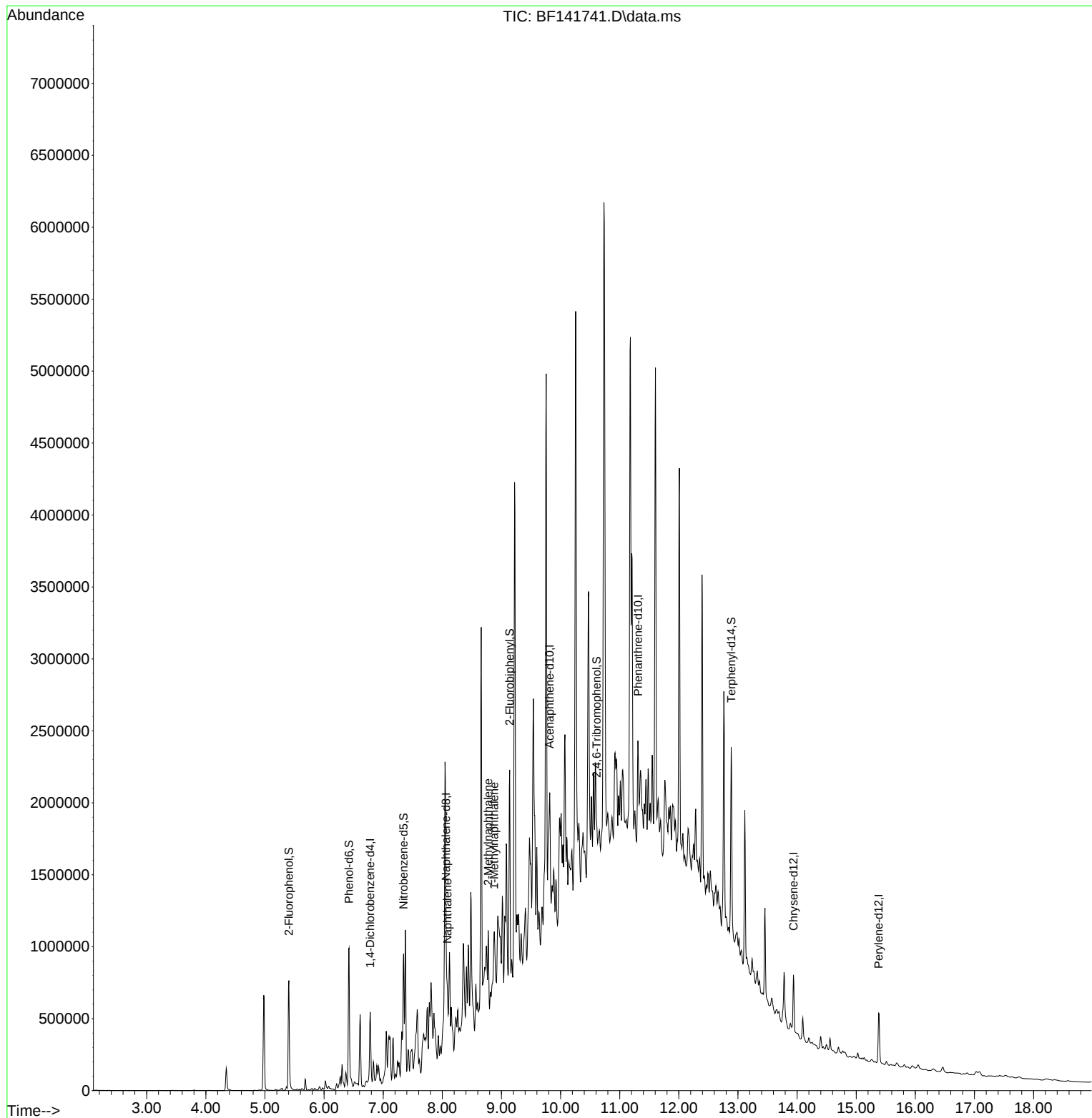
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90119	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	340095	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	179403	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	263528	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	197149	20.000	ng	-0.02
86) 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
31) Naphthalene	8.086	128	113863	6.432	ng	# 94
37) 2-Methylnaphthalene	8.775	142	207652	18.025	ng	100
38) 1-Methylnaphthalene	8.875	142	111518	9.995	ng	97

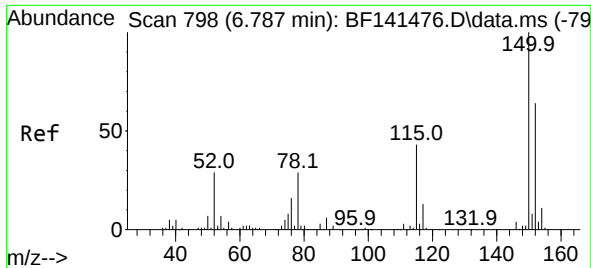
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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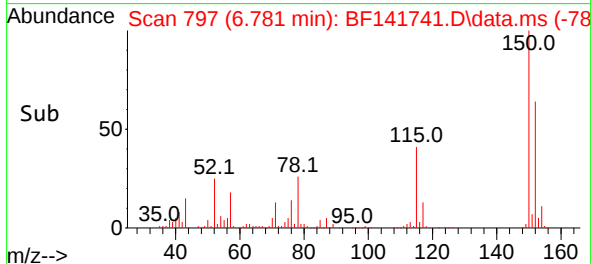
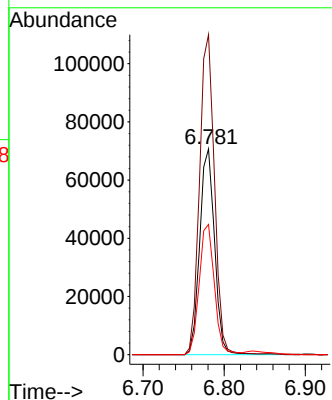
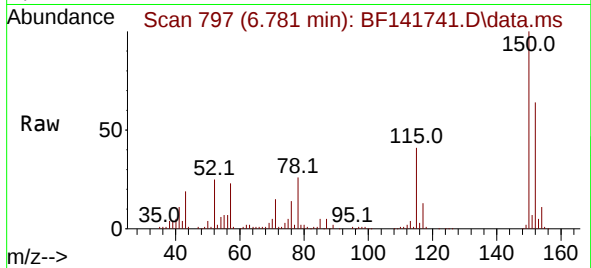




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

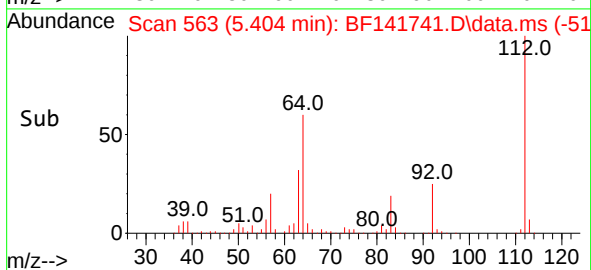
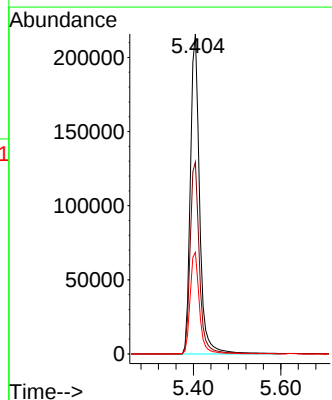
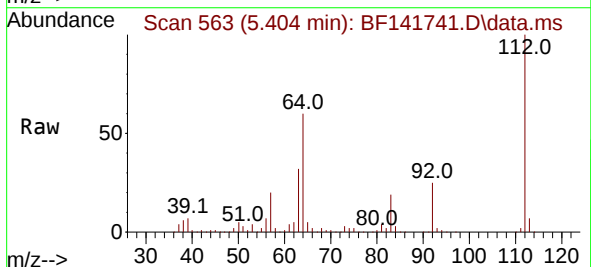
Instrument :
BNA_F
ClientSampleId :
GAS-FUEL-ISLAND-MAT

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

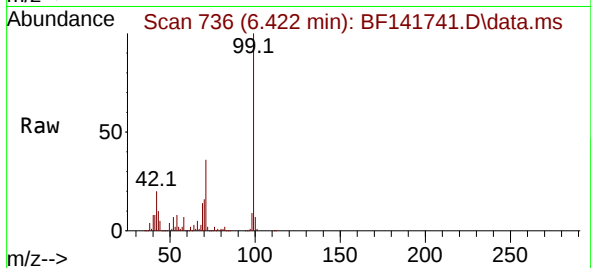
Tgt Ion:112 Resp: 314918
Ion Ratio Lower Upper
112 100
64 59.9 51.1 76.7
63 31.8 28.4 42.6





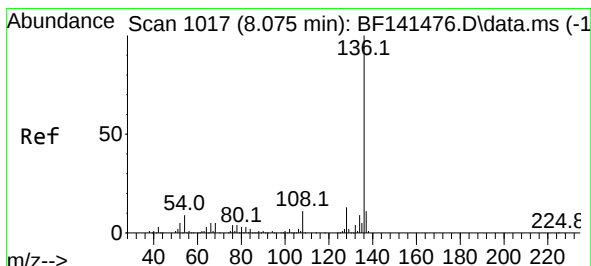
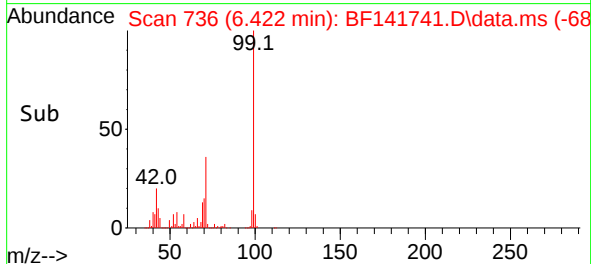
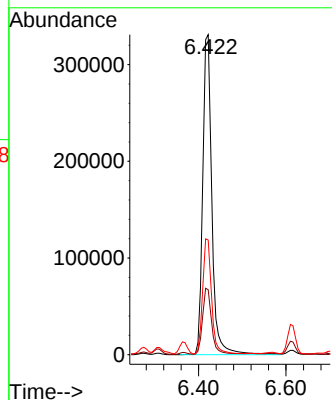
#7
Phenol-d6
Concen: 66.628 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

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



Tgt Ion: 99 Resp: 484082

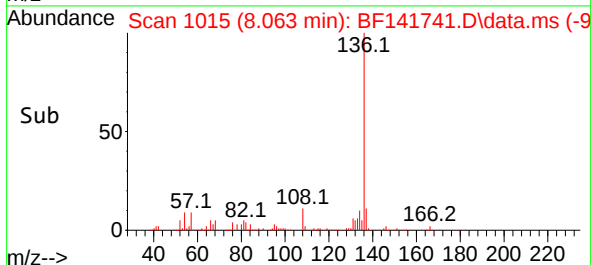
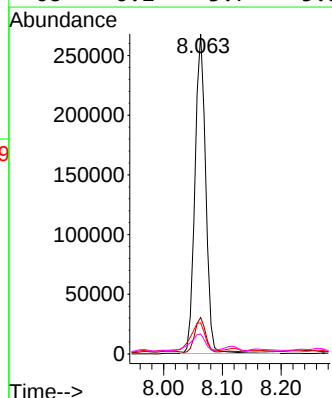
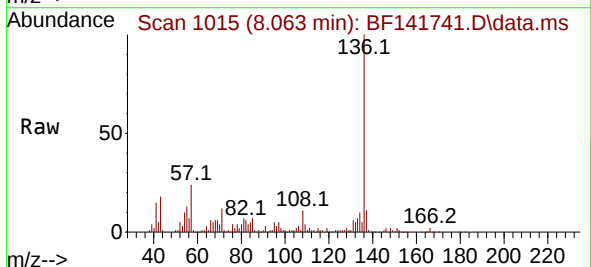
Ion	Ratio	Lower	Upper
99	100		
42	20.3	19.1	28.7
71	35.9	31.1	46.7

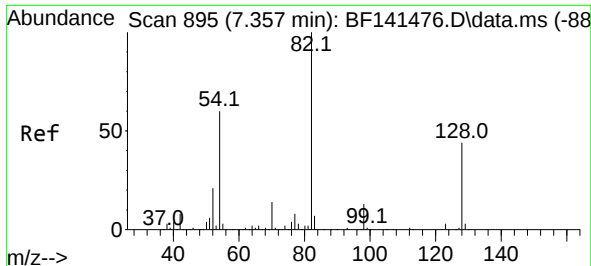


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

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





#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 :

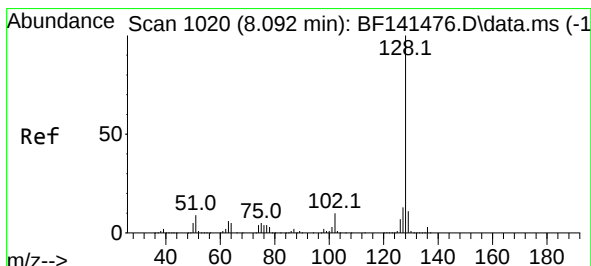
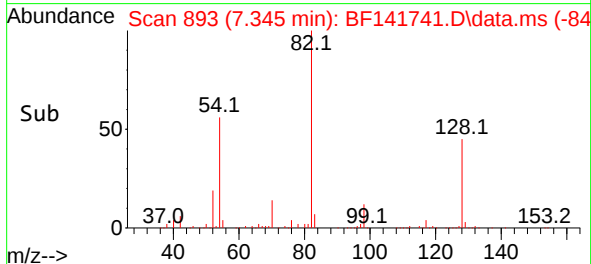
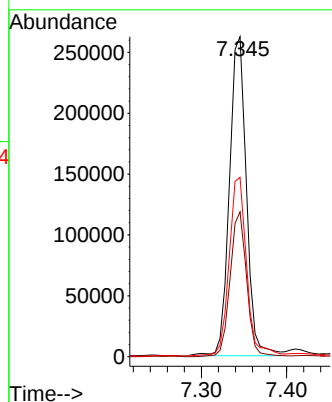
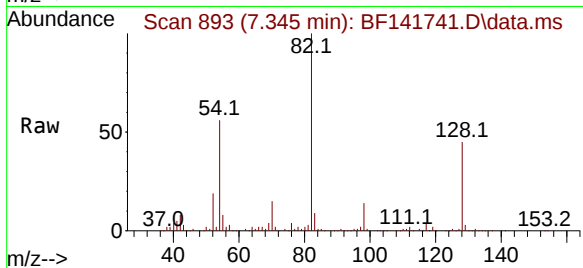
BNA_F

ClientSampleId :

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

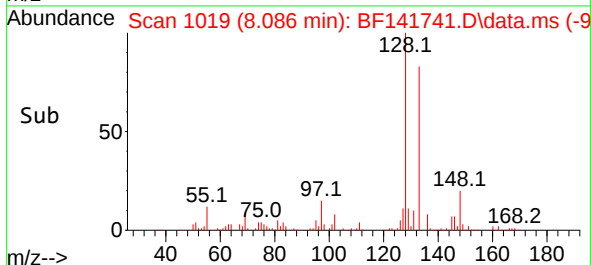
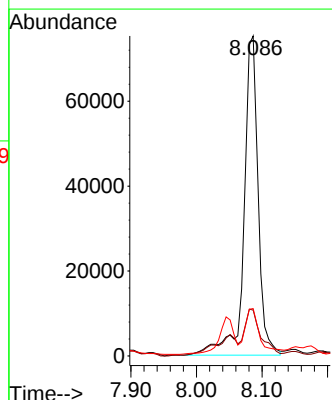
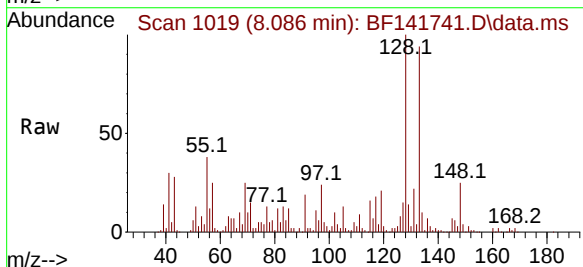
Delta R.T. -0.012 min

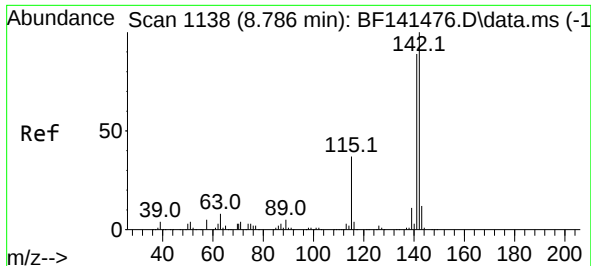
Lab File: BF141741.D

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





#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

Instrument :

BNA_F

ClientSampleId :

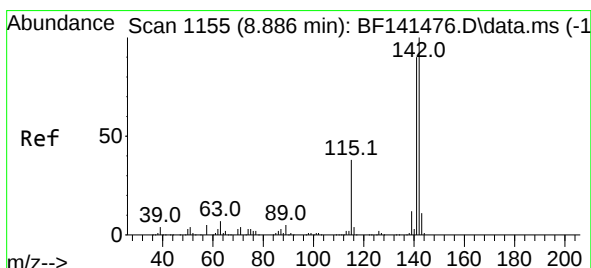
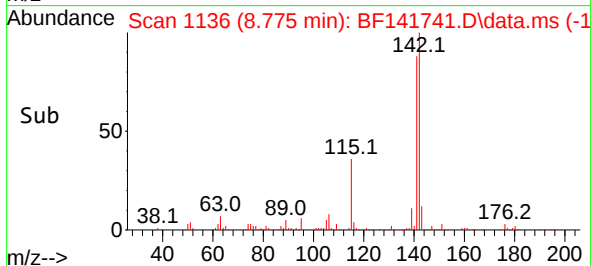
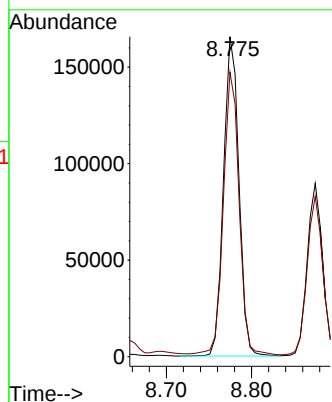
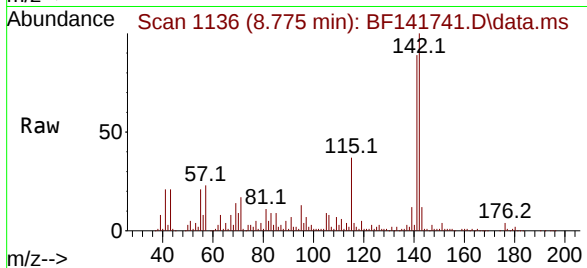
GAS-FUEL-ISLAND-MAT

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# 1153

Delta R.T. -0.012 min

Lab File: BF141741.D

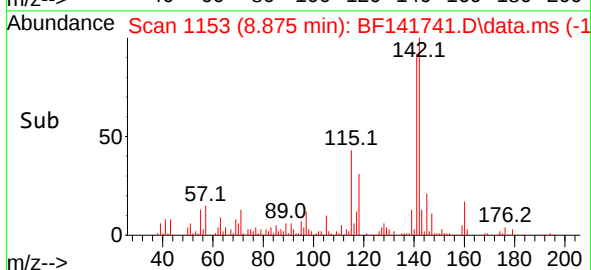
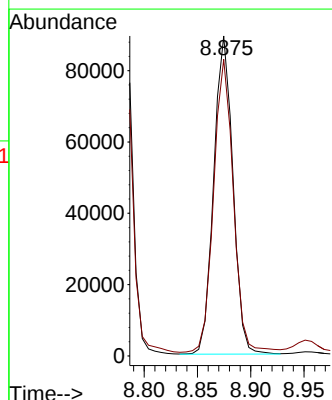
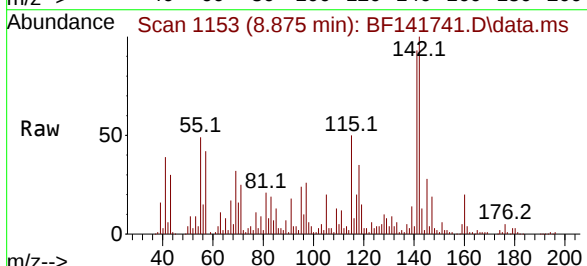
Acq: 24 Feb 2025 13:41

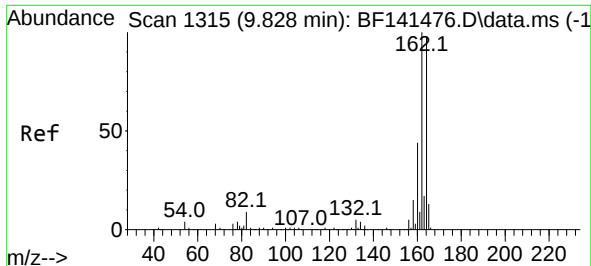
Tgt Ion:142 Resp: 111518

Ion Ratio Lower Upper

142 100

141 92.7 72.1 108.1

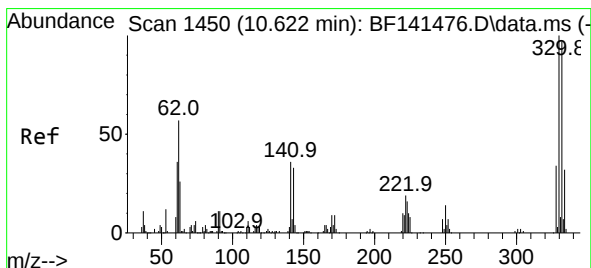
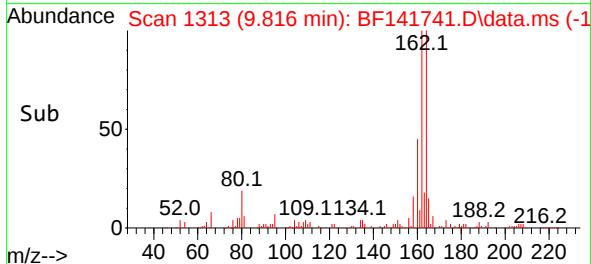
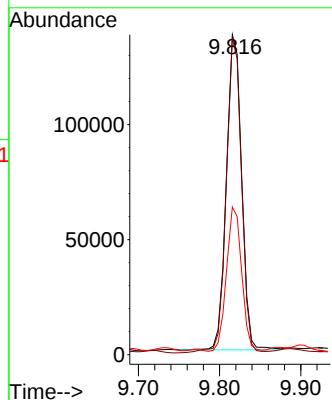
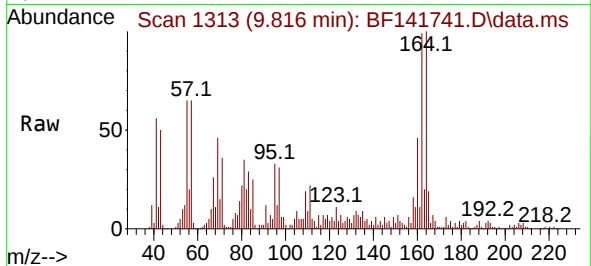




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

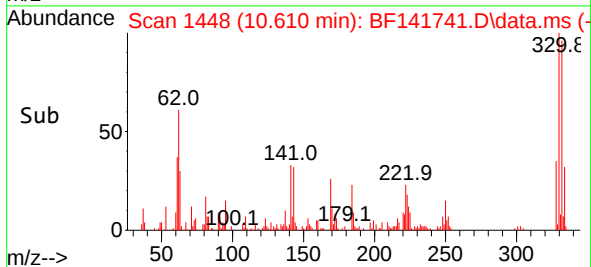
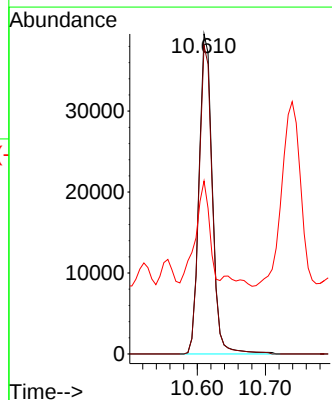
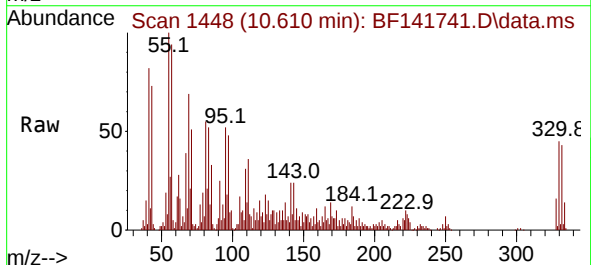
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GAS-FUEL-ISLAND-MAT

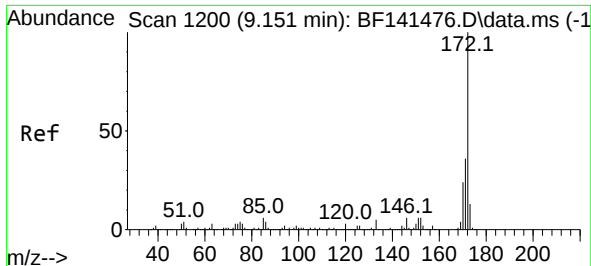
Tgt Ion:164 Resp: 179403
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 46.1 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 29.781 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

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

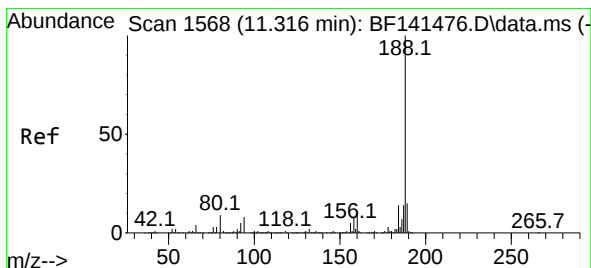
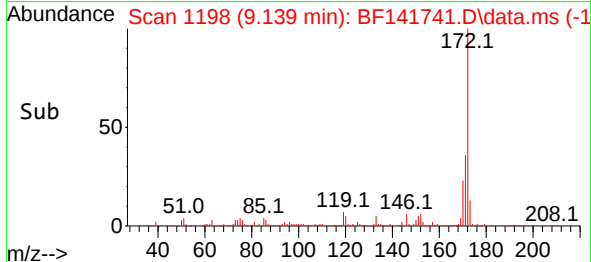
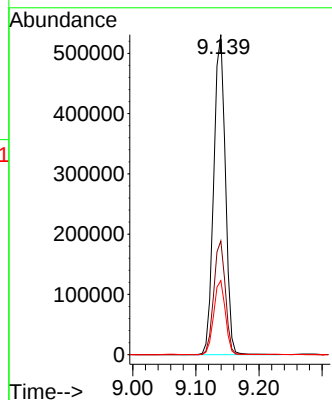
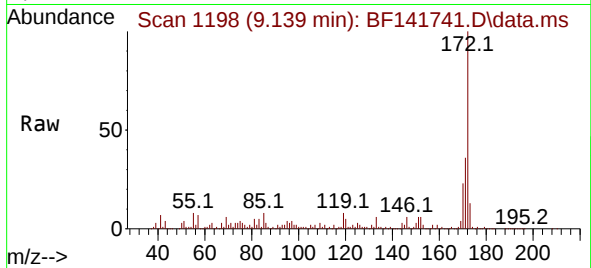




#45
2-Fluorobiphenyl
Concen: 58.385 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141741.D
Acq: 24 Feb 2025 13:41

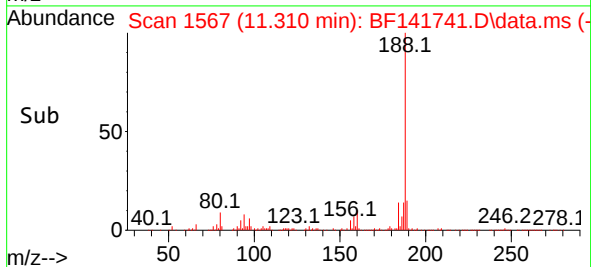
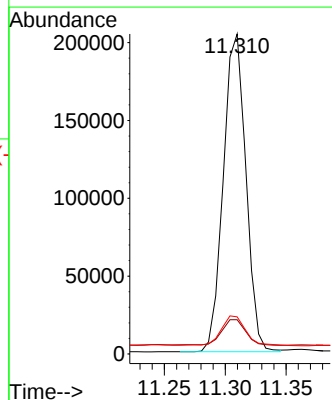
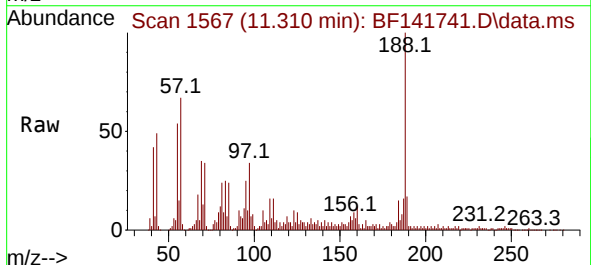
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GAS-FUEL-ISLAND-MAT

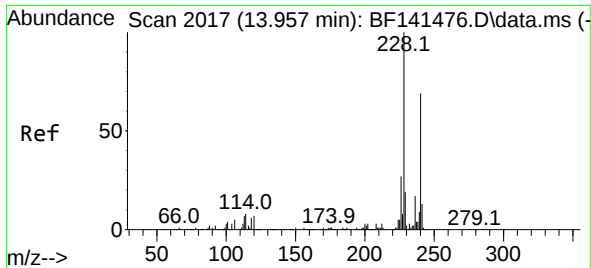
Tgt Ion:172 Resp: 679873
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.2 18.9 28.3



#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

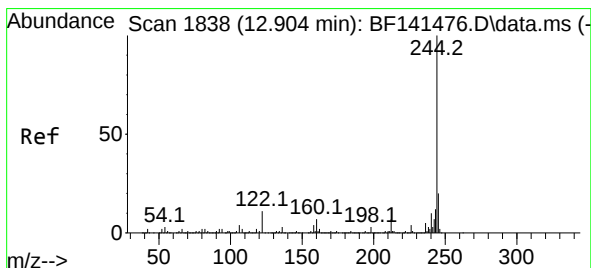
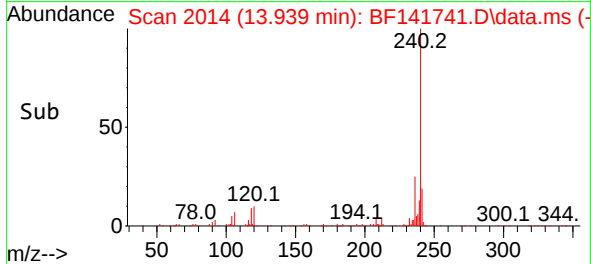
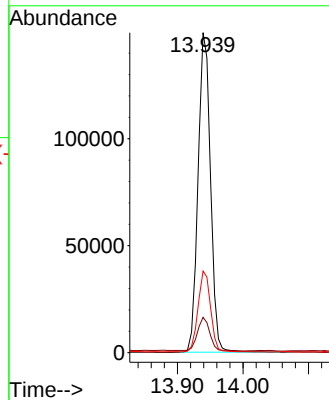
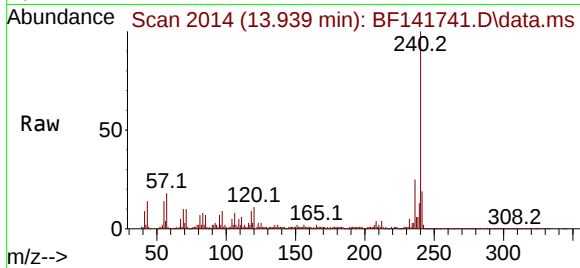
Tgt Ion:240 Resp: 197149

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

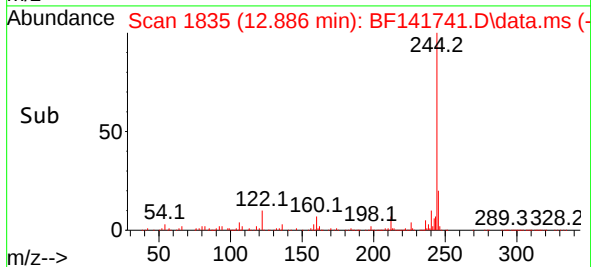
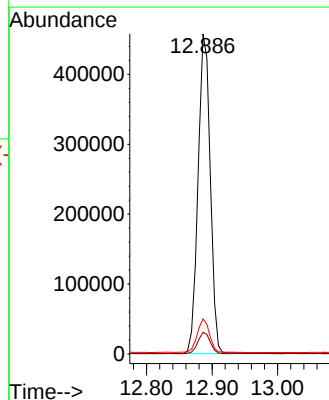
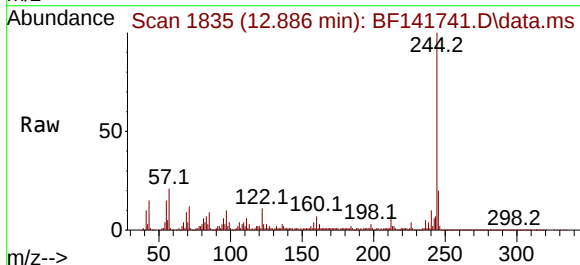
Tgt Ion:244 Resp: 593180

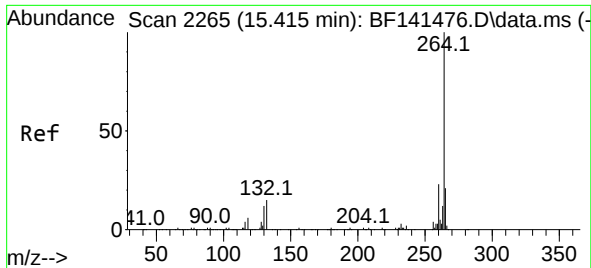
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

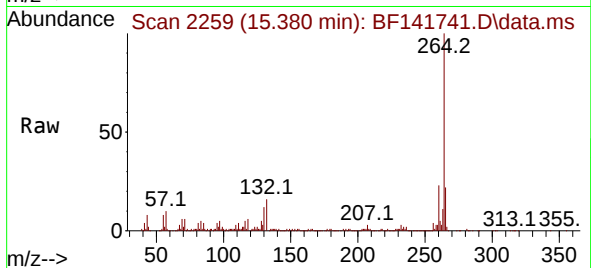
122 11.0 8.4 12.6





#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

