

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
 Data File : BF140850.D
 Acq On : 13 Dec 2024 17:54
 Operator : RC/JU
 Sample : P5220-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GAS-AUD-1610-1611-1612

Quant Time: Dec 13 21:41:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

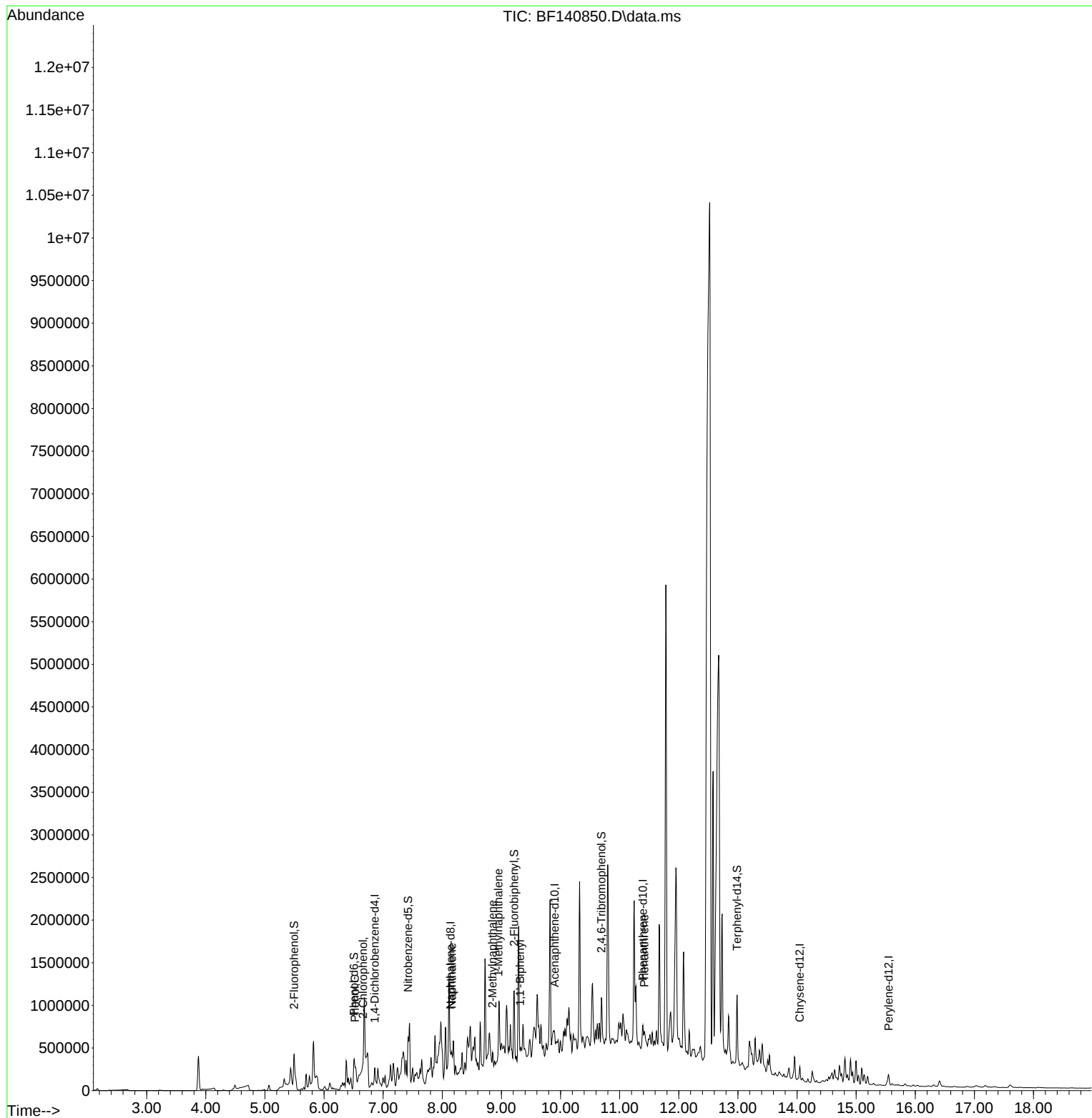
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	26904	20.000	ng	-0.02
21) Naphthalene-d8	8.140	136	99945	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	58923	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	112696	20.000	ng	#-0.01
76) Chrysene-d12	14.045	240	75128	20.000	ng	0.00
86) Perylene-d12	15.551	264	72891	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	155135	98.384	ng	0.00
7) Phenol-d6	6.504	99	147353	70.686	ng	-0.01
23) Nitrobenzene-d5	7.422	82	174396	89.253	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	100280	159.128	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	363836	92.001	ng	-0.02
79) Terphenyl-d14	12.986	244	405176	83.978	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.657	128	21593	12.729	ng	94
10) Phenol	6.522	94	72163	33.897	ng	84
31) Naphthalene	8.163	128	56572	10.989	ng	# 90
37) 2-Methylnaphthalene	8.851	142	72067	22.040	ng	100
38) 1-Methylnaphthalene	8.951	142	44533	13.894	ng	91
46) 1,1'-Biphenyl	9.316	154	24265	5.516	ng	94
71) Phenanthrene	11.416	178	18048	3.332	ng	# 81

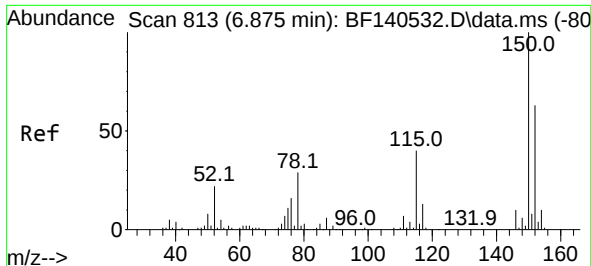
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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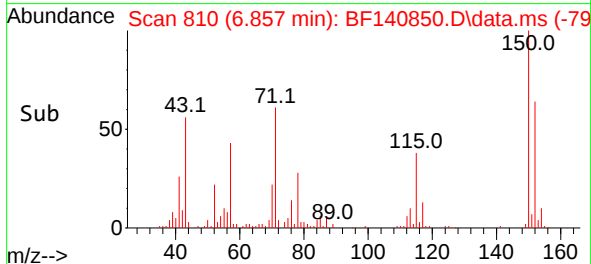
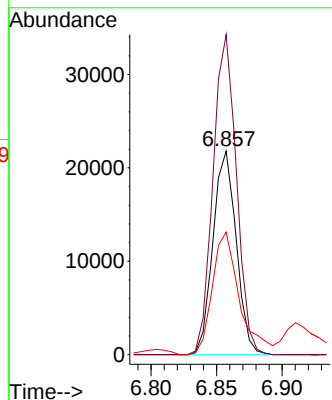
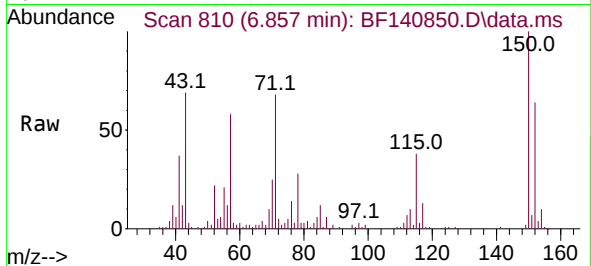




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

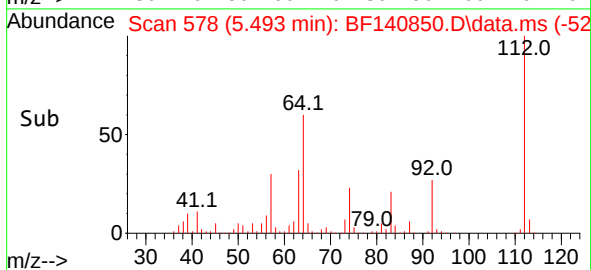
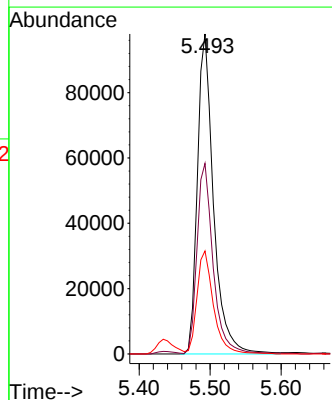
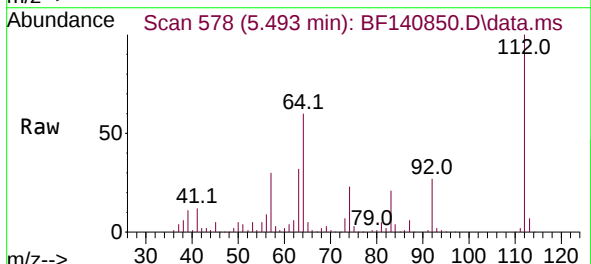
Instrument :
BNA_F
ClientSampleId :
GAS-AUD-1610-1611-1612

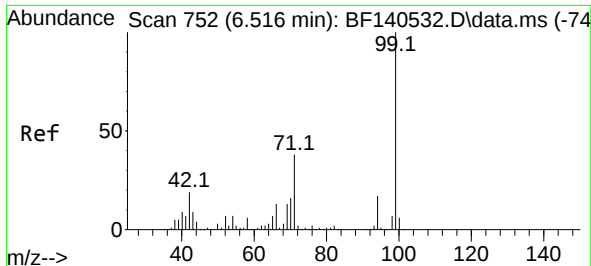
Tgt Ion:152 Resp: 26904
Ion Ratio Lower Upper
152 100
150 157.3 128.5 192.7
115 60.2 50.2 75.4



#5
2-Fluorophenol
Concen: 98.384 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

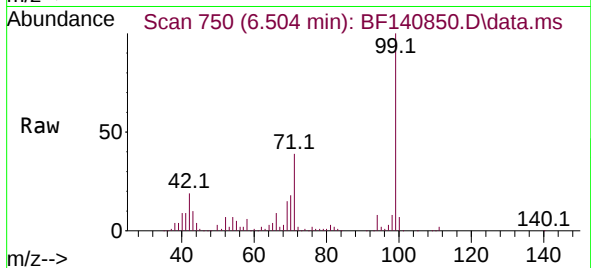
Tgt Ion:112 Resp: 155135
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 32.2 27.0 40.4



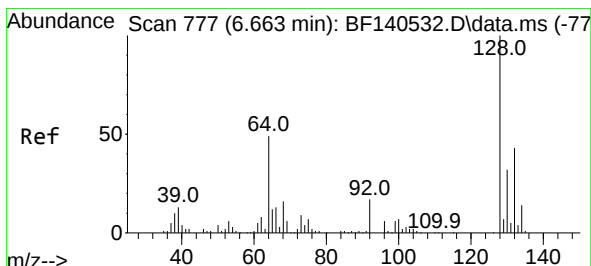
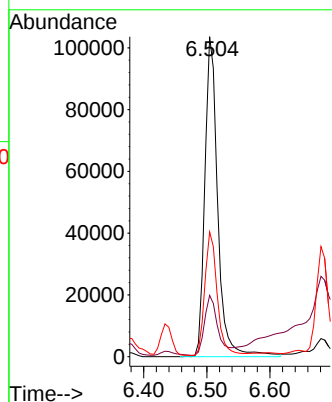
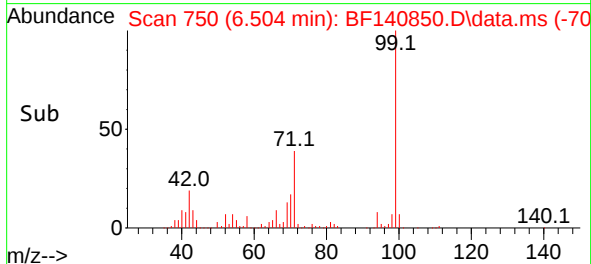


#7
Phenol-d6
Concen: 70.686 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

Instrument :
BNA_F
ClientSampleId :
GAS-AUD-1610-1611-1612

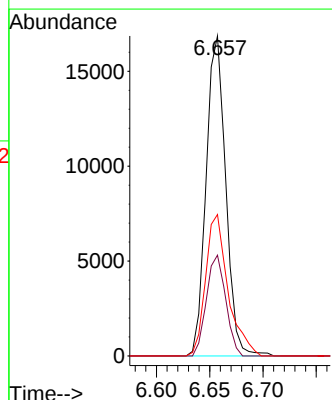
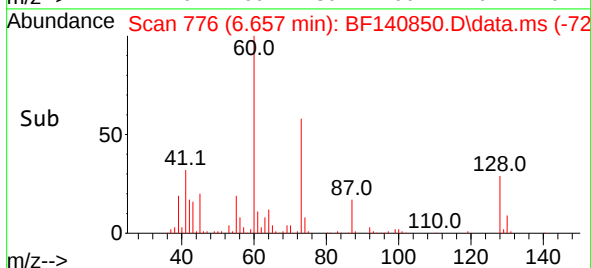
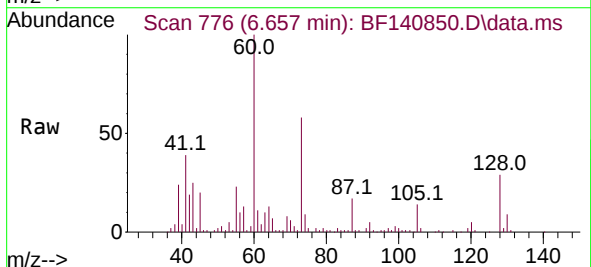


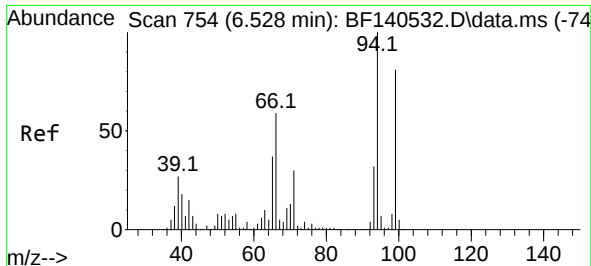
Tgt Ion: 99 Resp: 147353
Ion Ratio Lower Upper
99 100
42 19.1 15.4 23.0
71 39.0 30.6 46.0



#8
2-Chlorophenol
Concen: 12.729 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.006 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

Tgt Ion:128 Resp: 21593
Ion Ratio Lower Upper
128 100
130 31.5 12.3 52.3
64 44.2 30.2 70.2

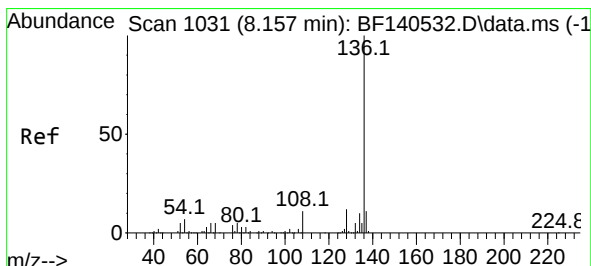
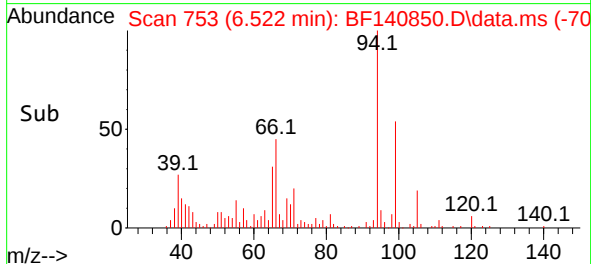
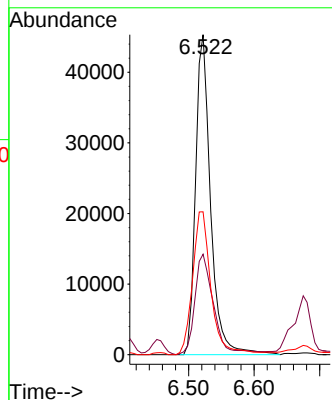
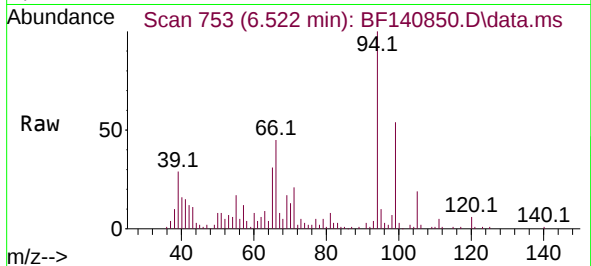




#10
Phenol
Concen: 33.897 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

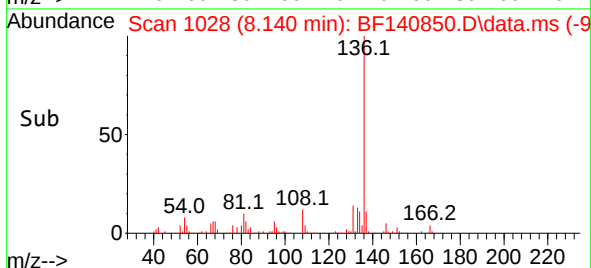
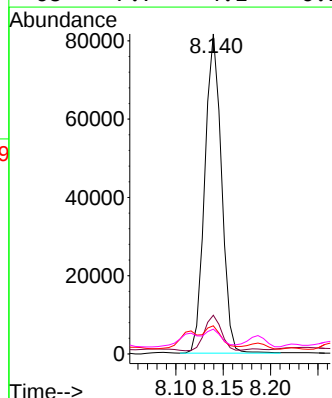
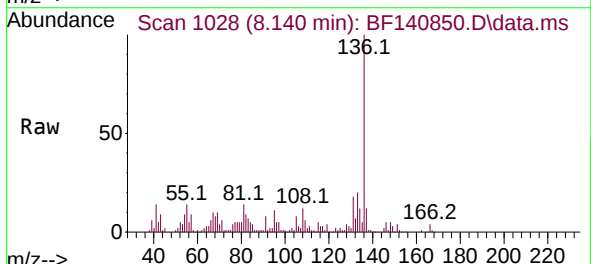
Instrument :
BNA_F
ClientSampleId :
GAS-AUD-1610-1611-1612

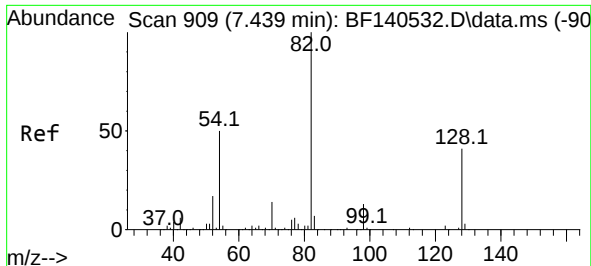
Tgt Ion: 94 Resp: 72163
Ion Ratio Lower Upper
94 100
65 31.4 17.2 57.2
66 44.7 39.2 79.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

Tgt Ion:136 Resp: 99945
Ion Ratio Lower Upper
136 100
137 12.1 8.6 13.0
54 8.8 5.8 8.8#
68 7.7 4.1 6.1#

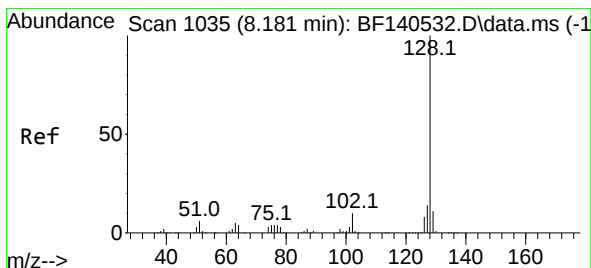
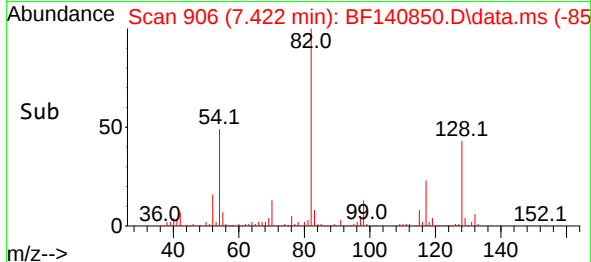
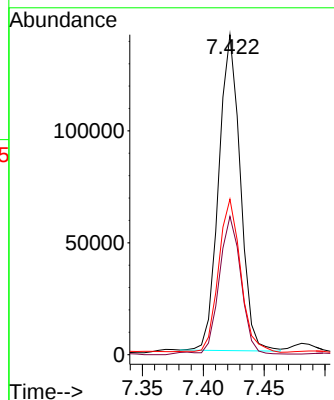
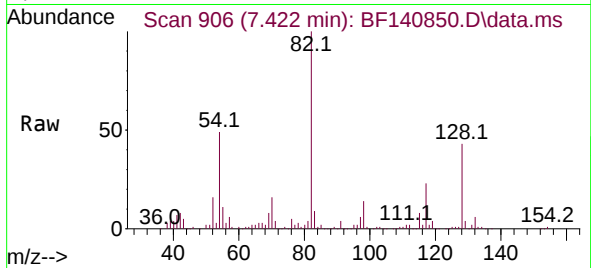




#23
Nitrobenzene-d5
Concen: 89.253 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.018 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

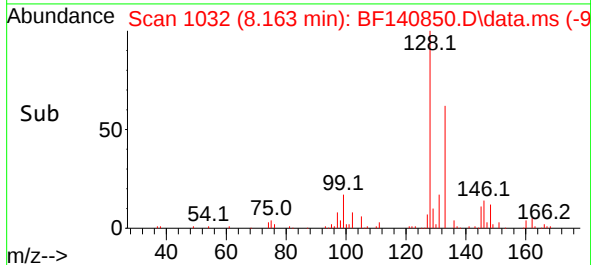
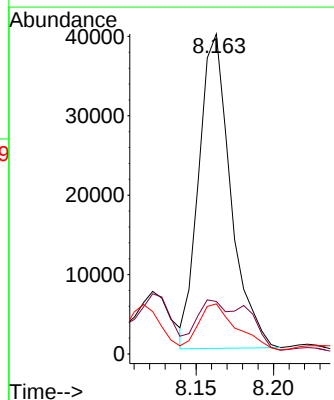
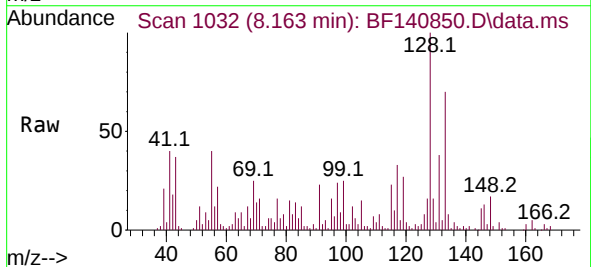
Instrument :
BNA_F
ClientSampleId :
GAS-AUD-1610-1611-1612

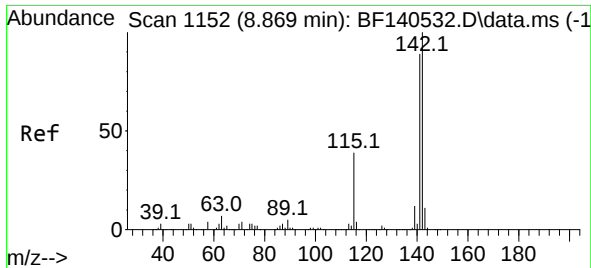
Tgt Ion: 82 Resp: 174396
Ion Ratio Lower Upper
82 100
128 43.2 33.0 49.4
54 48.6 39.5 59.3



#31
Naphthalene
Concen: 10.989 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF140850.D
Acq: 13 Dec 2024 17:54

Tgt Ion: 128 Resp: 56572
Ion Ratio Lower Upper
128 100
129 16.4 8.6 13.0#
127 15.7 10.8 16.2





#37

2-Methylnaphthalene

Concen: 22.040 ng

RT: 8.851 min Scan# 1149

Delta R.T. -0.018 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

Instrument :

BNA_F

ClientSampleId :

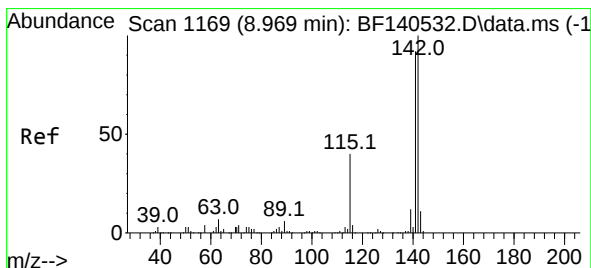
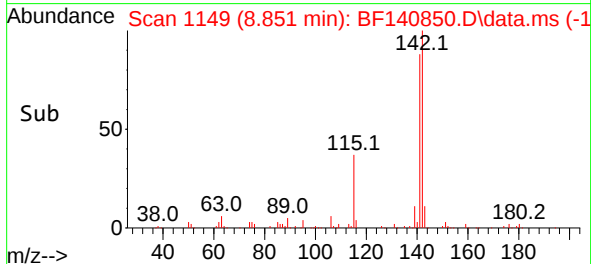
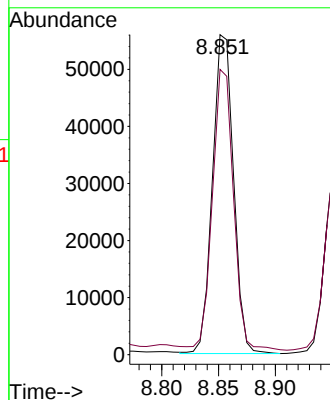
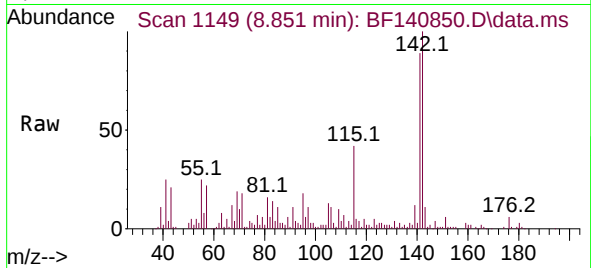
GAS-AUD-1610-1611-1612

Tgt Ion:142 Resp: 72067

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6



#38

1-Methylnaphthalene

Concen: 13.894 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.018 min

Lab File: BF140850.D

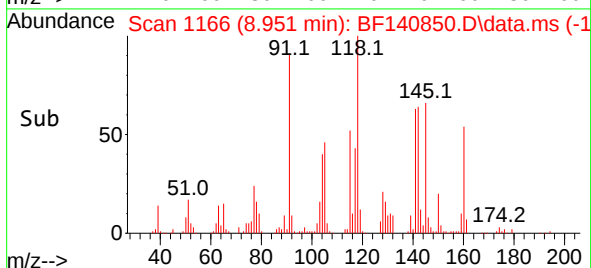
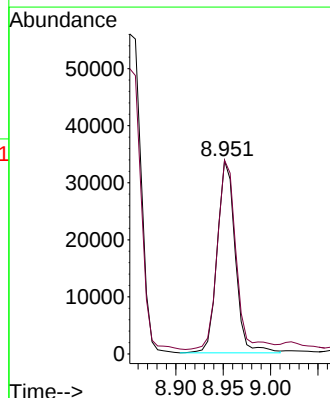
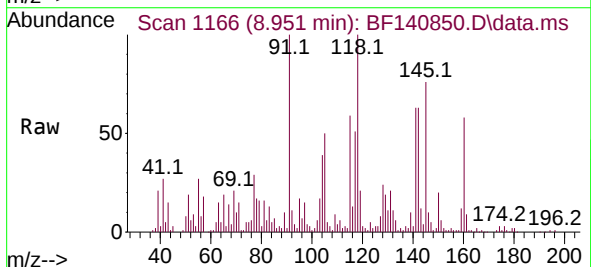
Acq: 13 Dec 2024 17:54

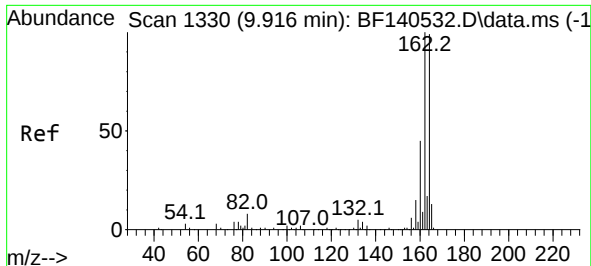
Tgt Ion:142 Resp: 44533

Ion Ratio Lower Upper

142 100

141 100.2 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

Instrument :

BNA_F

ClientSampleId :

GAS-AUD-1610-1611-1612

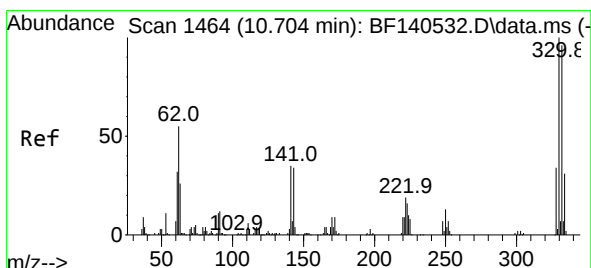
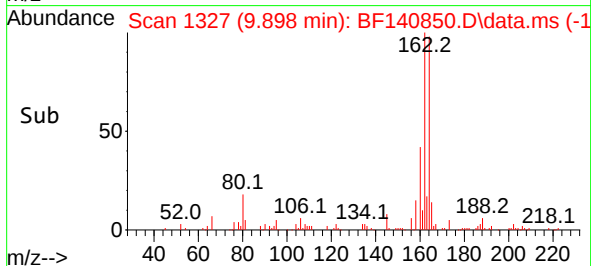
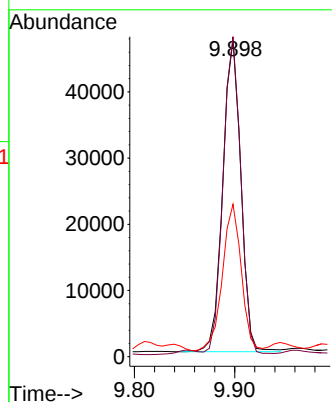
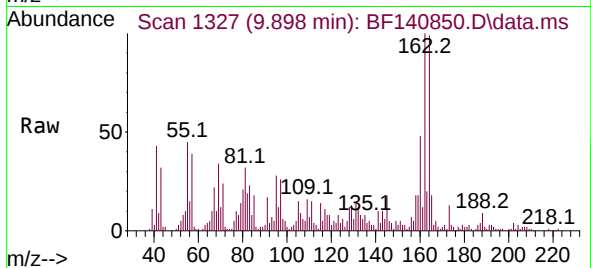
Tgt Ion:164 Resp: 58923

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 48.2 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 159.128 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

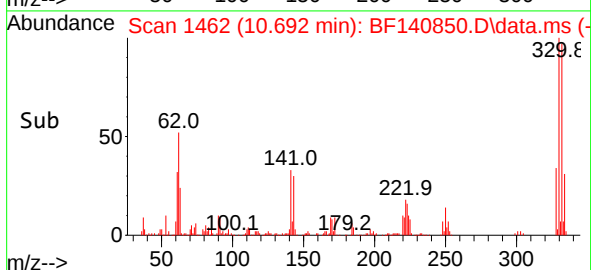
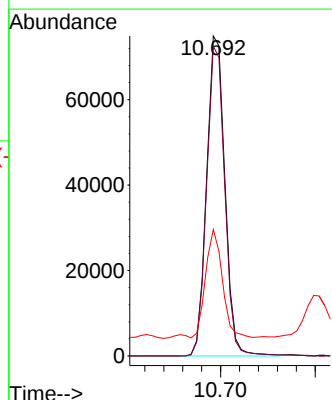
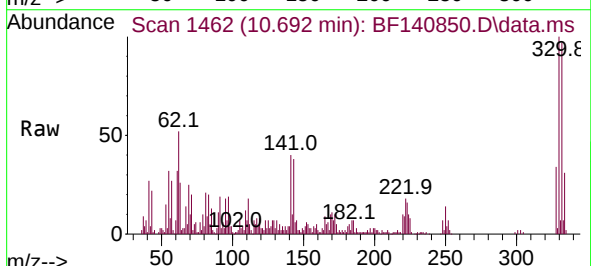
Tgt Ion:330 Resp: 100280

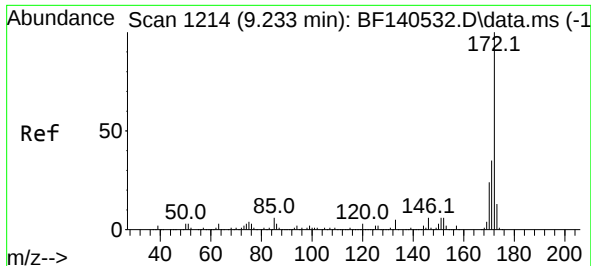
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 31.1 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 92.001 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

Instrument :

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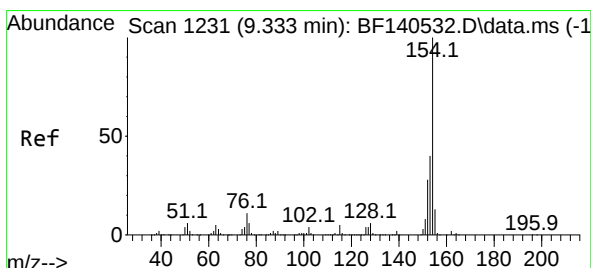
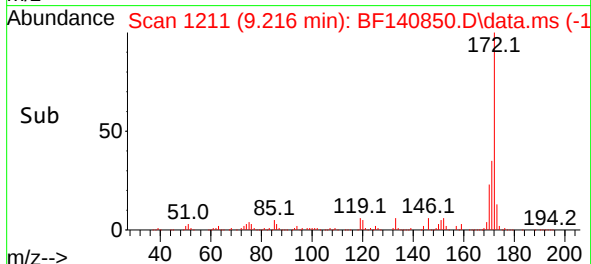
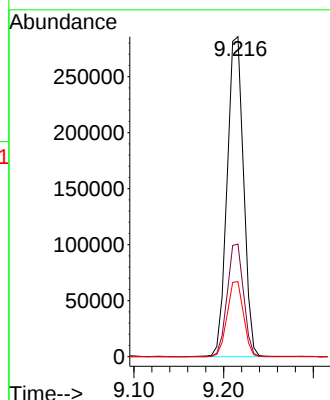
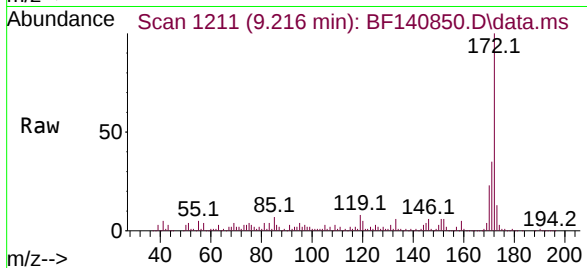
Tgt Ion:172 Resp: 363836

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.5 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.516 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.018 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

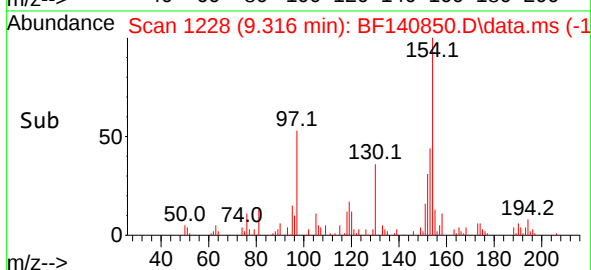
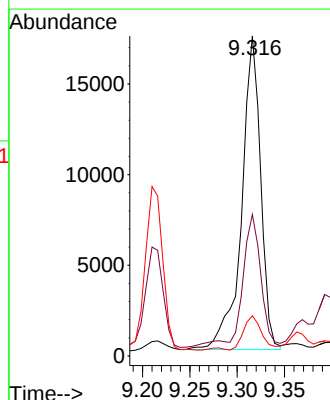
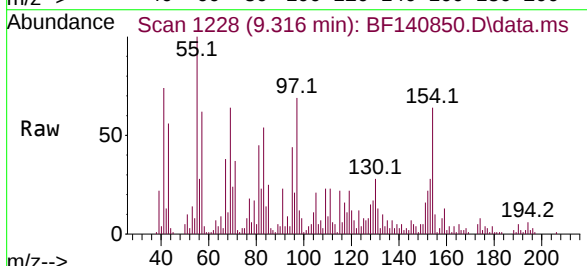
Tgt Ion:154 Resp: 24265

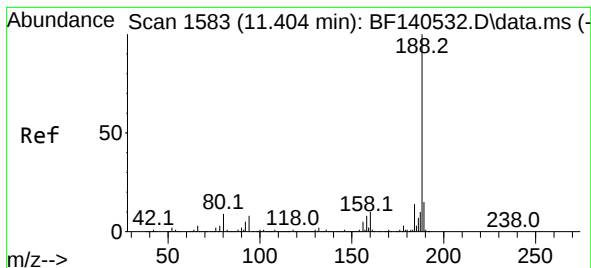
Ion Ratio Lower Upper

154 100

153 44.2 20.4 60.4

76 12.6 0.0 31.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

Instrument :

BNA_F

ClientSampleId :

GAS-AUD-1610-1611-1612

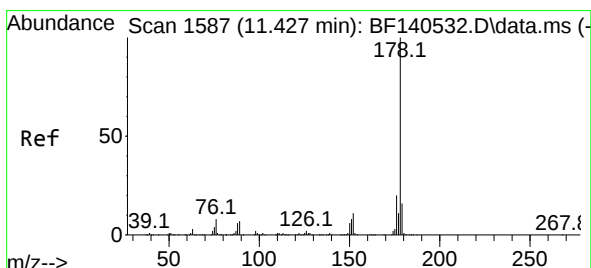
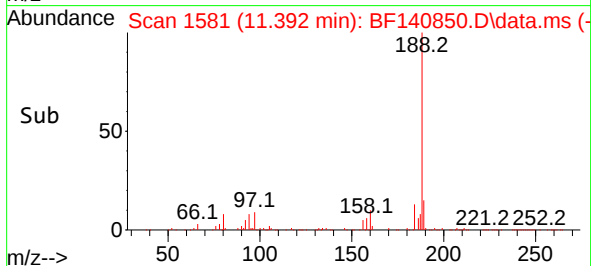
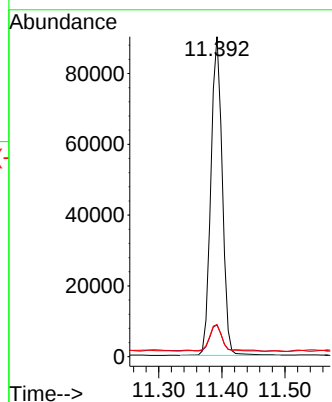
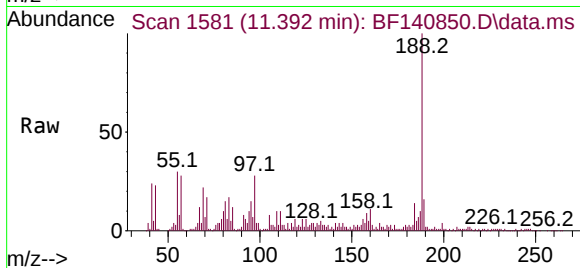
Tgt Ion:188 Resp: 112696

Ion Ratio Lower Upper

188 100

94 9.9 6.4 9.6#

80 10.1 6.9 10.3



#71

Phenanthrene

Concen: 3.332 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

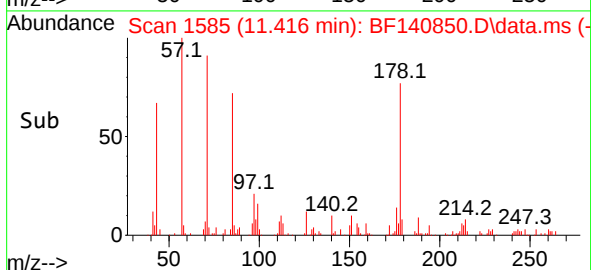
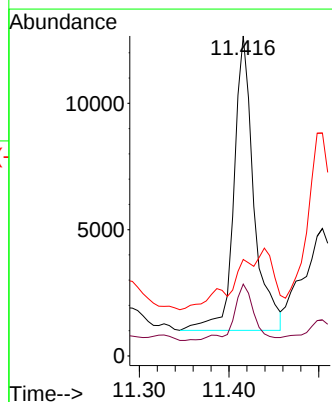
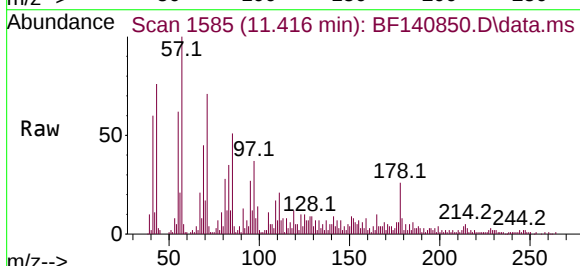
Tgt Ion:178 Resp: 18048

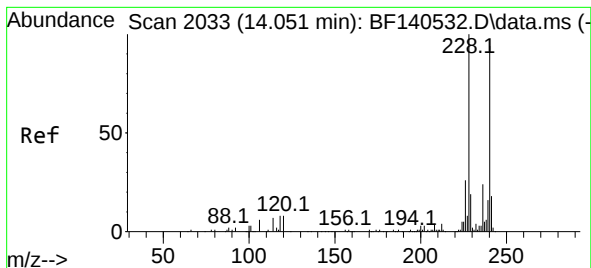
Ion Ratio Lower Upper

178 100

176 22.4 15.8 23.6

179 30.1 12.4 18.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

Instrument :

BNA_F

ClientSampleId :

GAS-AUD-1610-1611-1612

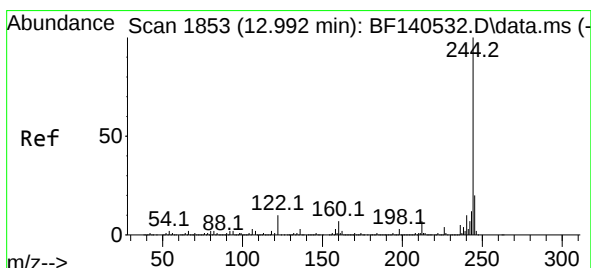
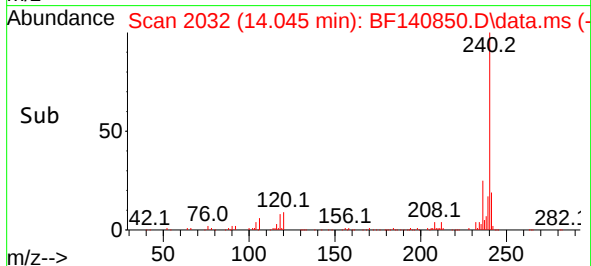
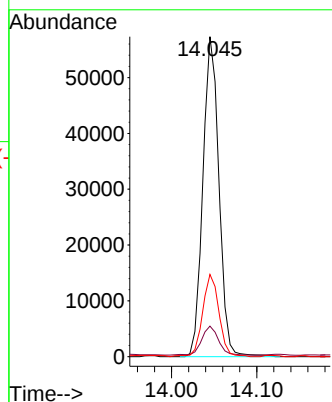
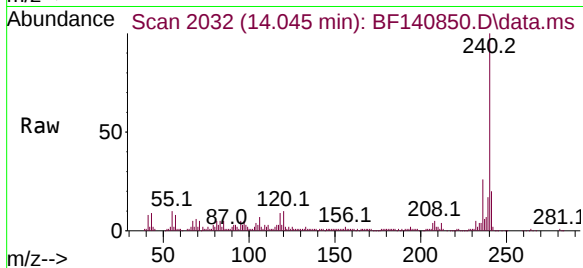
Tgt Ion:240 Resp: 75128

Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

236 25.7 20.6 31.0



#79

Terphenyl-d14

Concen: 83.978 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140850.D

Acq: 13 Dec 2024 17:54

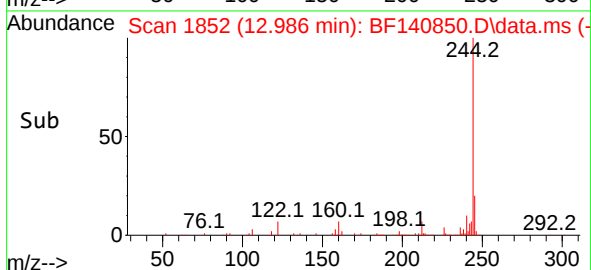
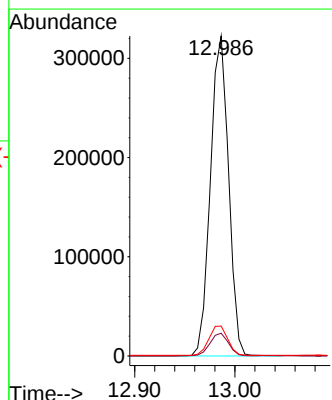
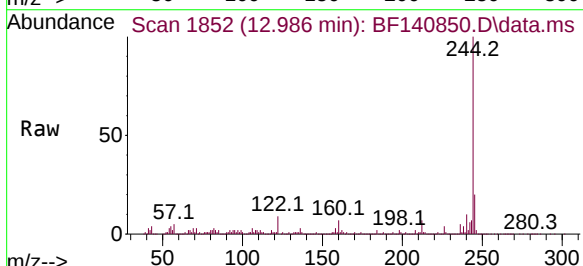
Tgt Ion:244 Resp: 405176

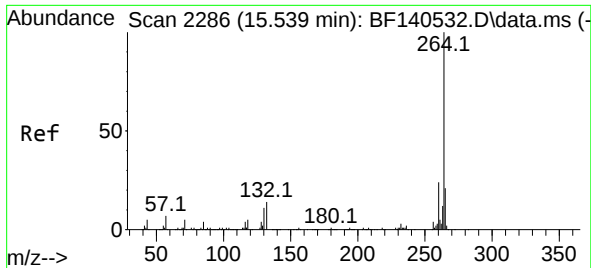
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

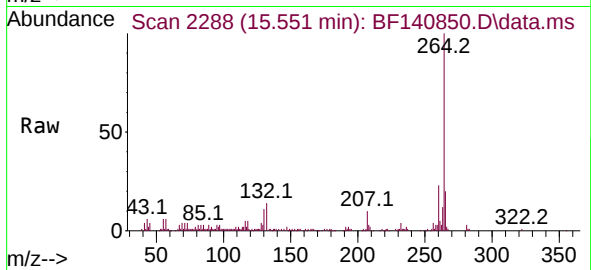
122 9.4 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF140850.D
 Acq: 13 Dec 2024 17:54

Instrument :
 BNA_F
 ClientSampleId :
 GAS-AUD-1610-1611-1612



Tgt Ion:264	Resp:	72891
Ion	Ratio	Lower Upper
264	100	
260	22.7	19.0 28.6
265	20.4	16.6 25.0

