

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139725.D
 Acq On : 09 Oct 2024 16:31
 Operator : RC/JU
 Sample : P4344-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-100724

Quant Time: Oct 09 17:12:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

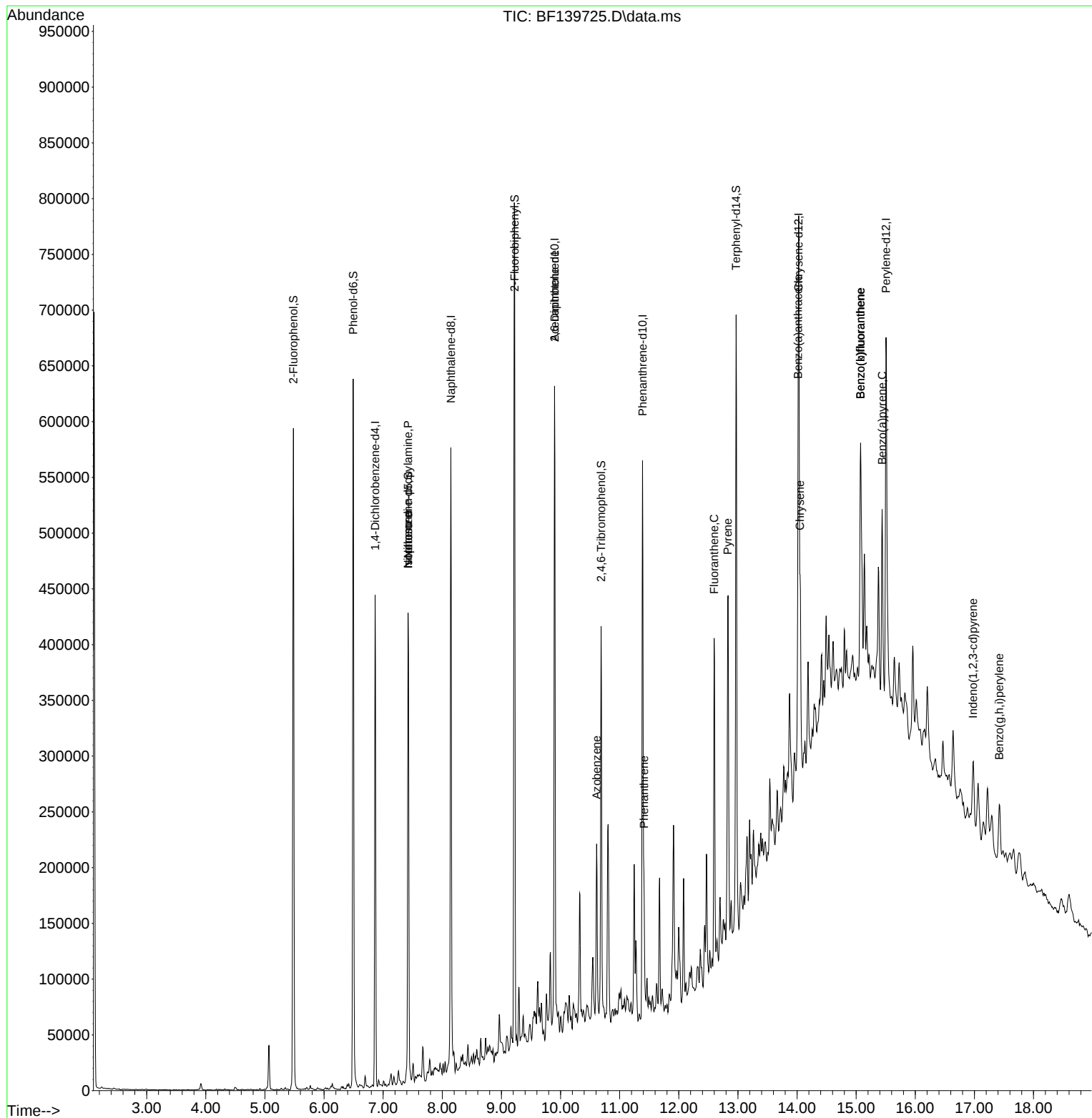
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	87429	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	320420	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	166027	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	257149	20.000	ng	0.00
76) Chrysene-d12	14.027	240	174097	20.000	ng	0.00
86) Perylene-d12	15.504	264	181743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	204758	40.592	ng	0.00
7) Phenol-d6	6.493	99	273111	40.262	ng	-0.01
23) Nitrobenzene-d5	7.422	82	178781	28.250	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	53663	33.482	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	337851	31.240	ng	0.00
79) Terphenyl-d14	12.969	244	261856	24.679	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	24703	5.664	ng	# 77
25) Isophorone	7.422	82	174962	15.565	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	22833	9.300	ng	# 18
63) Azobenzene	10.610	77	38336	3.396	ng	# 1
71) Phenanthrene	11.410	178	60410	4.982	ng	99
75) Fluoranthene	12.598	202	169605	12.796	ng	98
78) Pyrene	12.827	202	170100	10.924	ng	97
81) Benzo(a)anthracene	14.016	228	109963	9.607	ng	95
83) Chrysene	14.051	228	100246	9.579	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	42158	3.941	ng	97
88) Benzo(b)fluoranthene	15.074	252	173492	14.764	ng	# 92
89) Benzo(k)fluoranthene	15.074	252	173492	17.405	ng	# 93
90) Benzo(a)pyrene	15.439	252	95615	10.319	ng	95
92) Benzo(g,h,i)perylene	17.421	276	40277	4.527	ng	94

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

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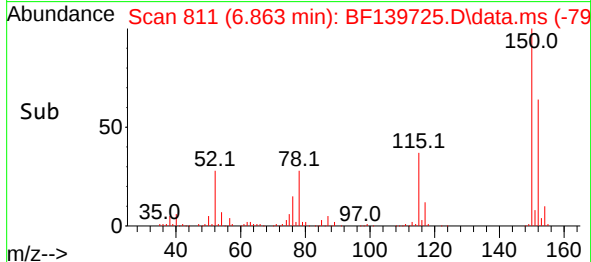
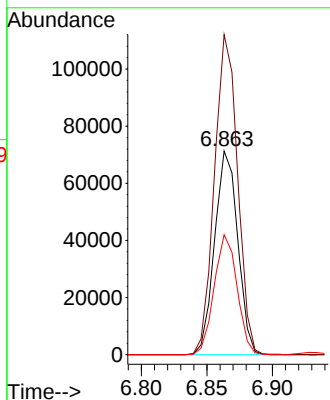
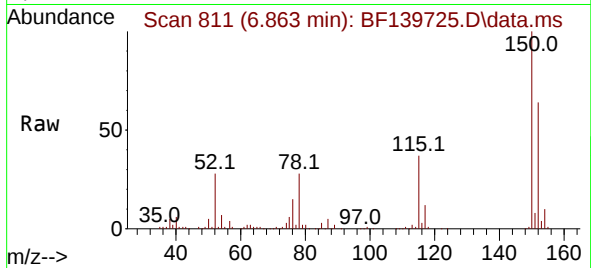




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

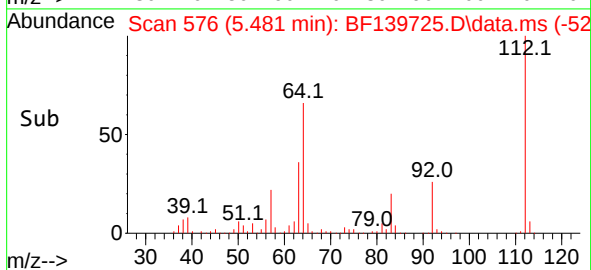
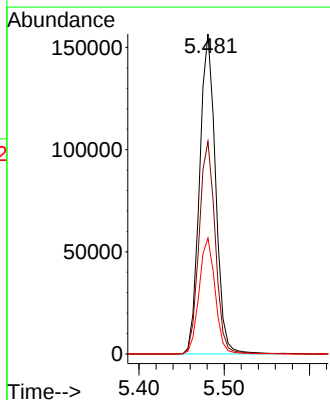
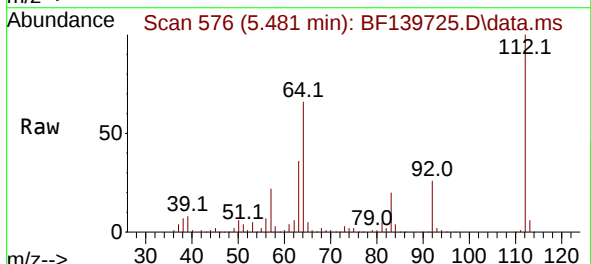
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

Tgt Ion:152 Resp: 87429
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 58.9 49.0 73.4



#5
2-Fluorophenol
Concen: 40.592 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion:112 Resp: 204758
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 36.2 29.4 44.2

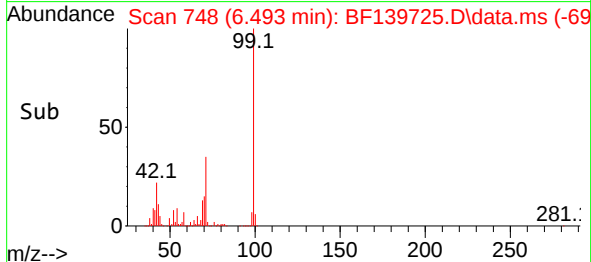
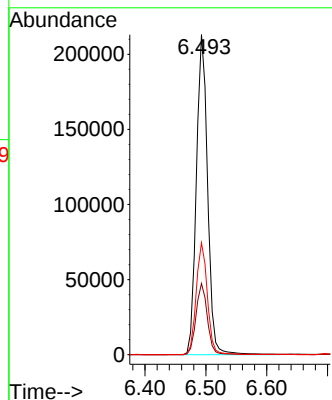
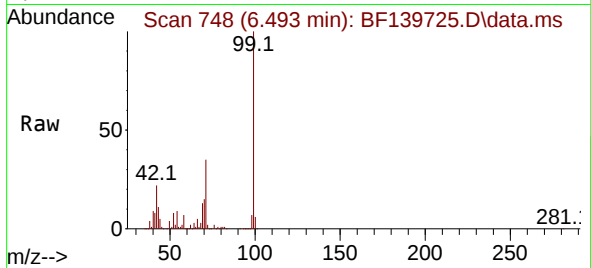




#7
Phenol-d6
Concen: 40.262 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

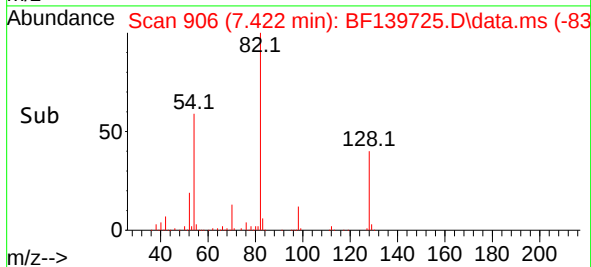
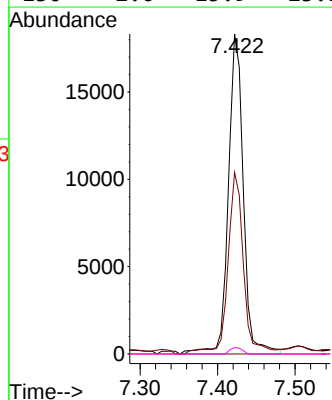
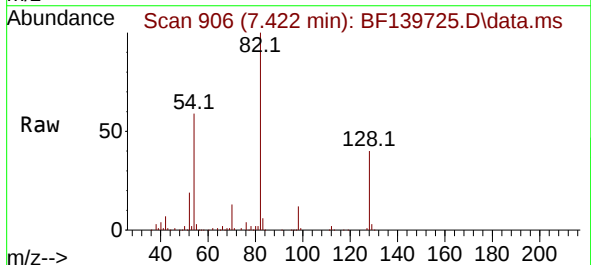
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

Tgt Ion: 99 Resp: 273111
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 35.0 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 5.664 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion: 70 Resp: 24703
Ion Ratio Lower Upper
70 100
42 56.8 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#



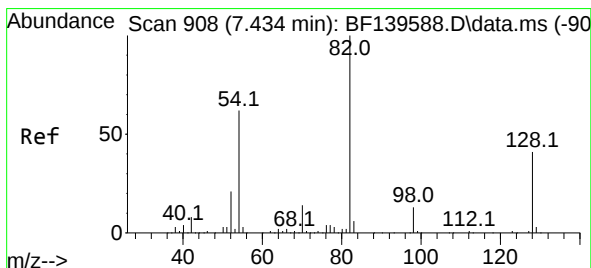
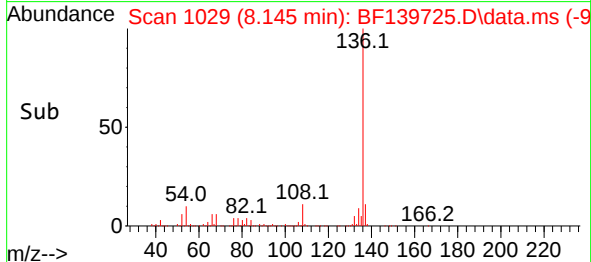
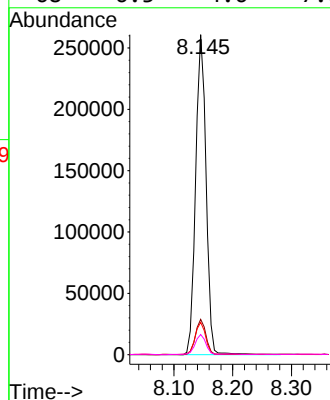
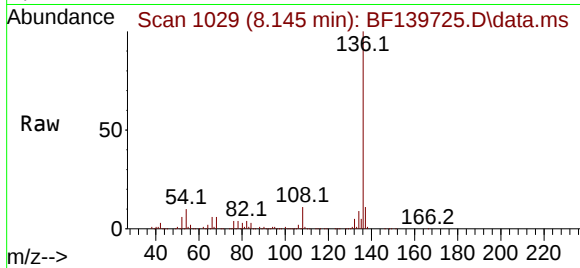


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Instrument :
BNA_F
ClientSampleId :
TR-05-100724

Tgt Ion:136 Resp: 320420

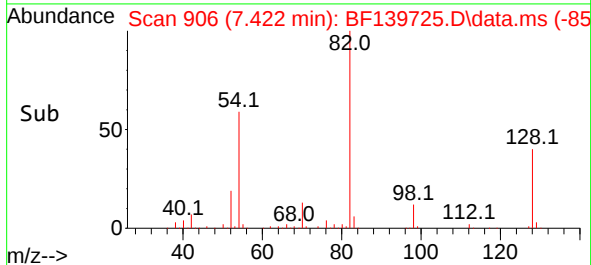
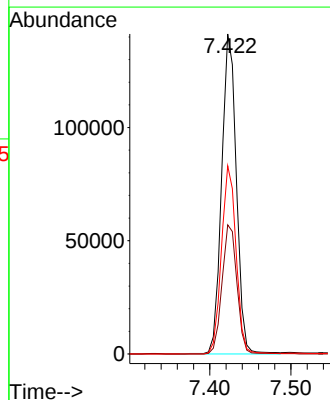
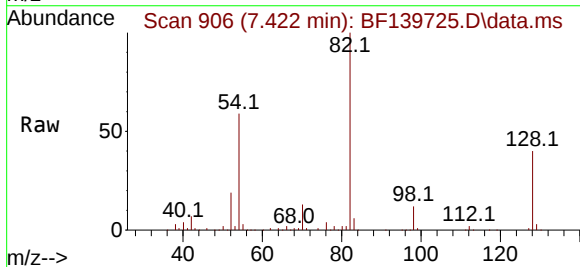
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.1	8.3	12.5
68	6.3	4.6	7.0



#23
Nitrobenzene-d5
Concen: 28.250 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion: 82 Resp: 178781

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.4	48.6
54	58.8	49.1	73.7

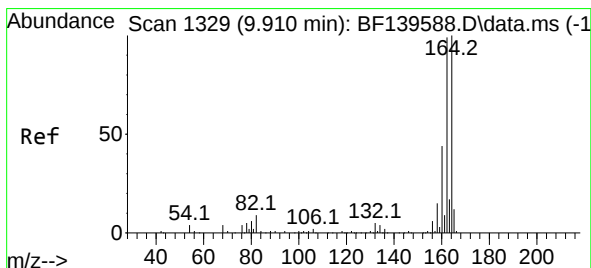
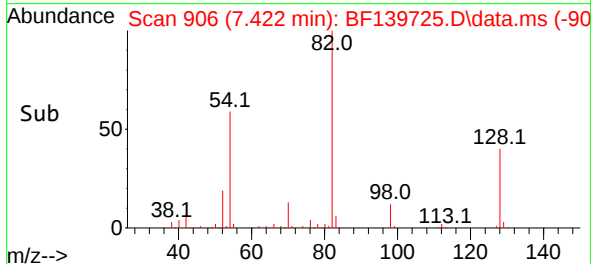
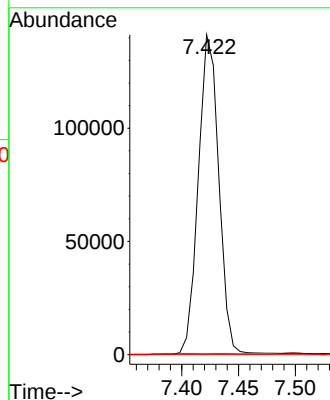
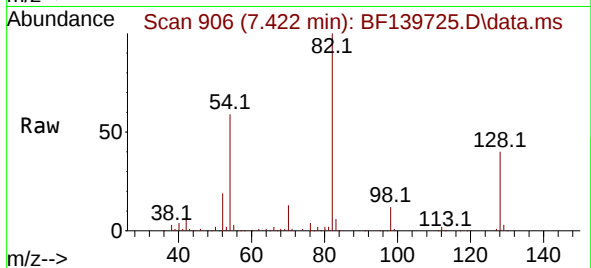




#25
Isophorone
Concen: 15.565 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

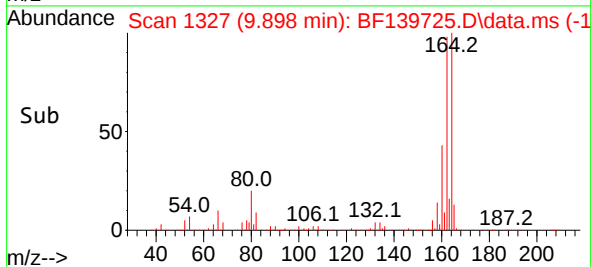
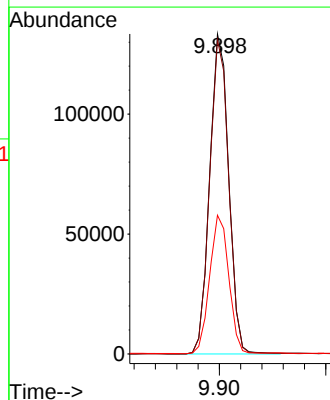
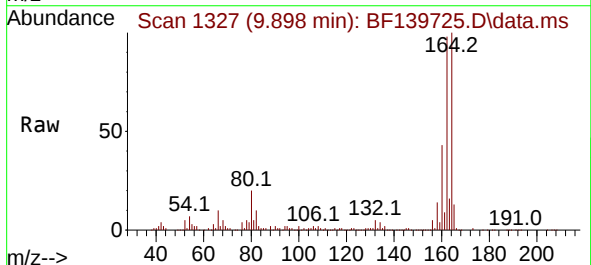
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

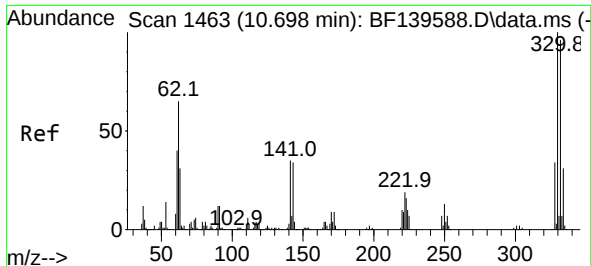
Tgt Ion: 82 Resp: 174962
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

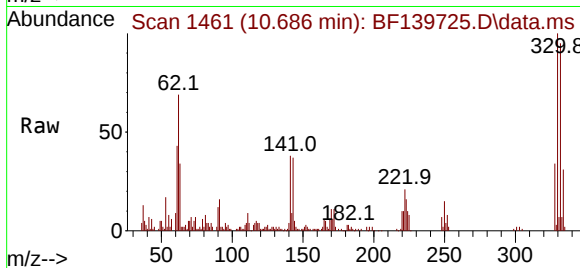
Tgt Ion:164 Resp: 166027
Ion Ratio Lower Upper
164 100
162 98.2 79.4 119.0
160 43.4 35.1 52.7



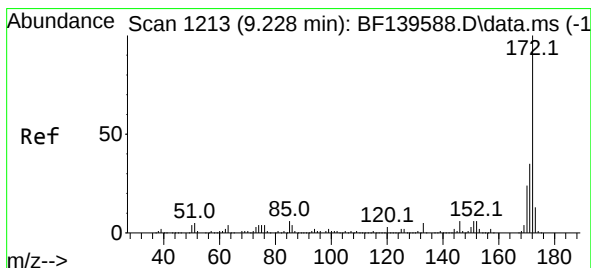
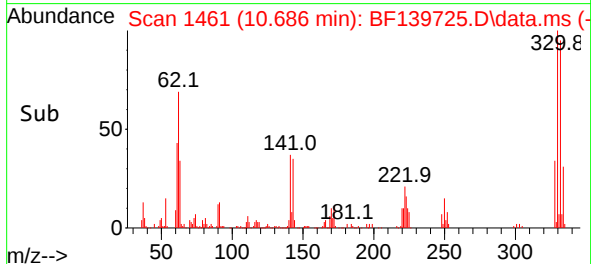
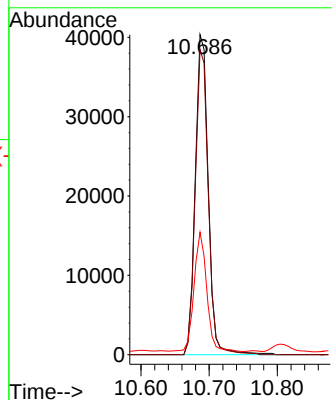


#42
2,4,6-Tribromophenol
Concen: 33.482 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Instrument :
BNA_F
ClientSampleId :
TR-05-100724

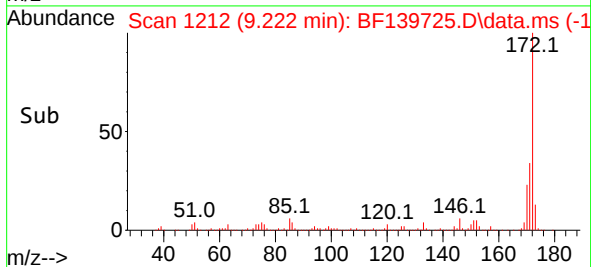
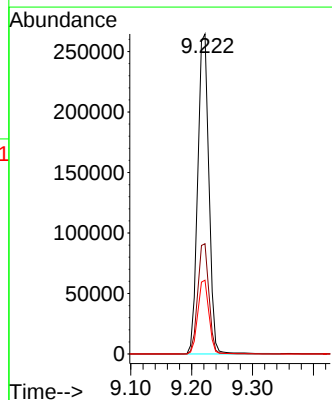
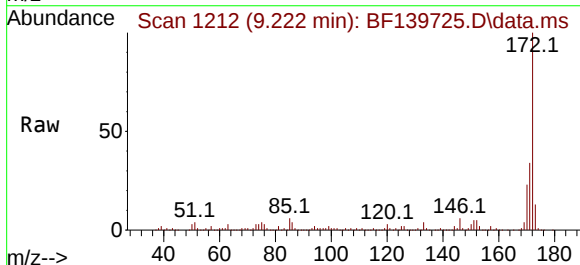


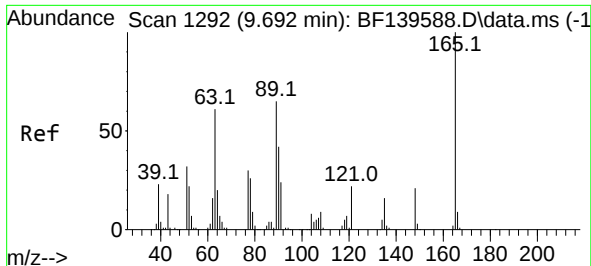
Tgt Ion: 330 Resp: 53663
Ion Ratio Lower Upper
330 100
332 94.8 76.5 114.7
141 36.0 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 31.240 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion: 172 Resp: 337851
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 23.1 18.8 28.2

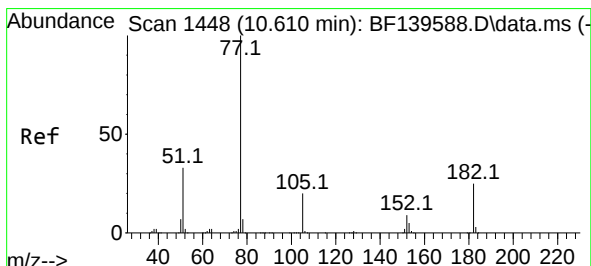
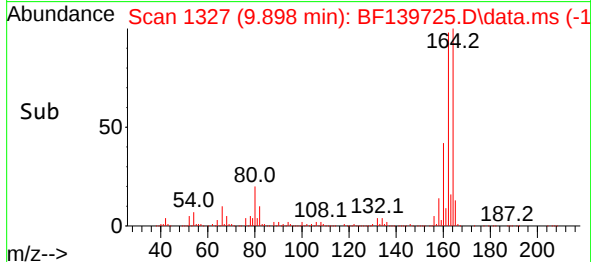
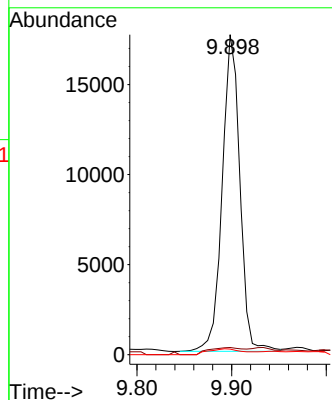
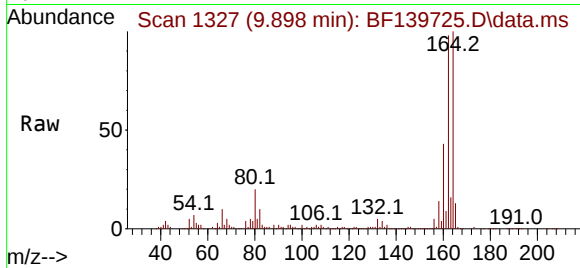




#51
2,6-Dinitrotoluene
Concen: 9.300 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

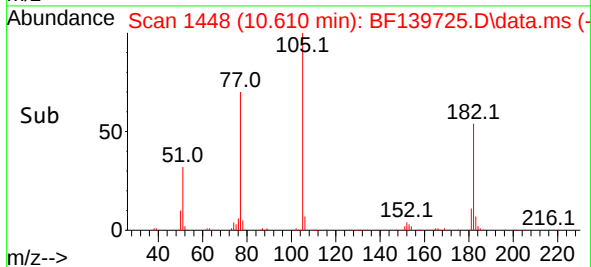
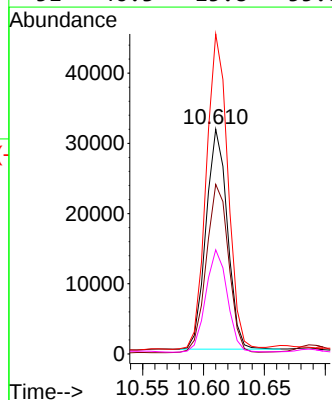
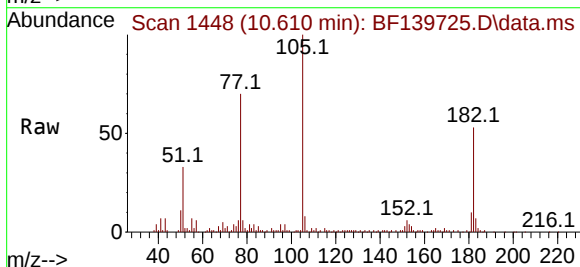
Instrument :
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ClientSampleId :
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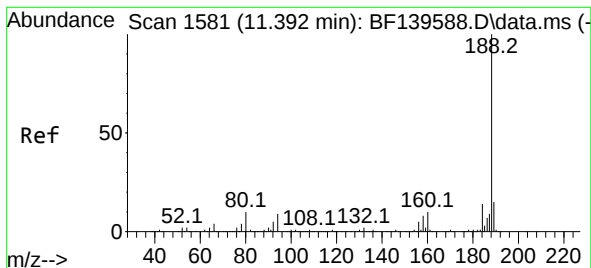
Tgt Ion:165 Resp: 22833
Ion Ratio Lower Upper
165 100
63 2.2 56.7 85.1#
89 1.7 51.6 77.4#



#63
Azobenzene
Concen: 3.396 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion: 77 Resp: 38336
Ion Ratio Lower Upper
77 100
182 75.4 4.2 44.2#
105 142.3 0.0 39.6#
51 46.3 15.8 55.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

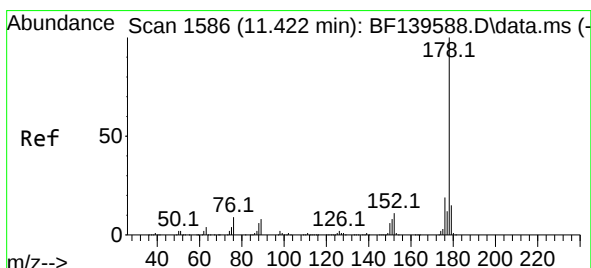
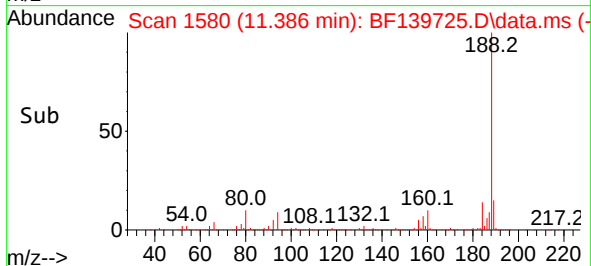
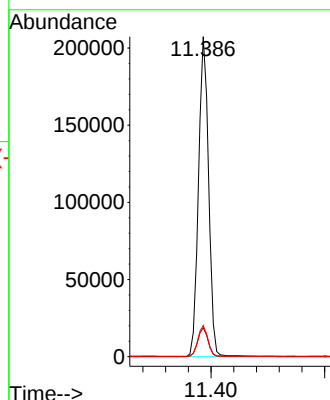
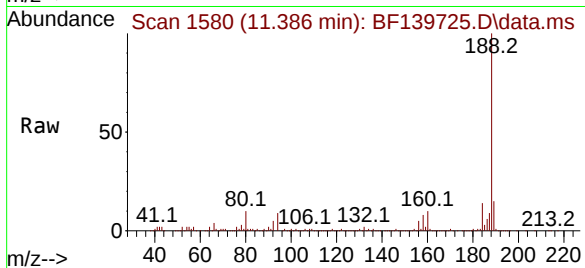
Tgt Ion:188 Resp: 257149

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.8 8.2 12.2



#71

Phenanthrene

Concen: 4.982 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

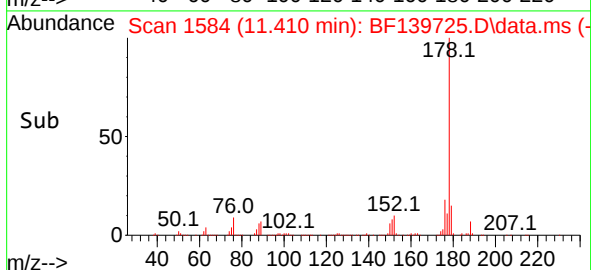
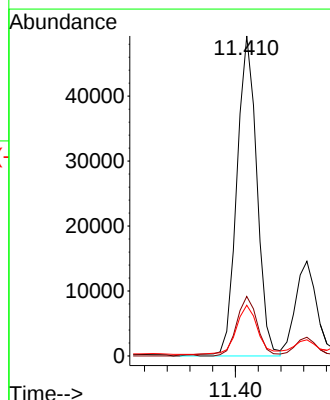
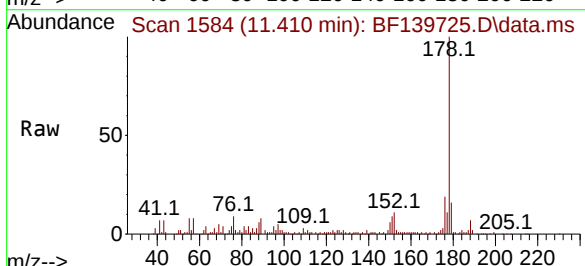
Tgt Ion:178 Resp: 60410

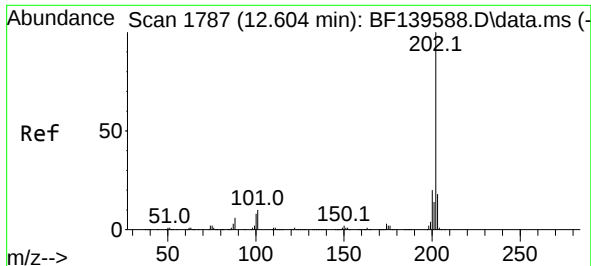
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.8 12.3 18.5

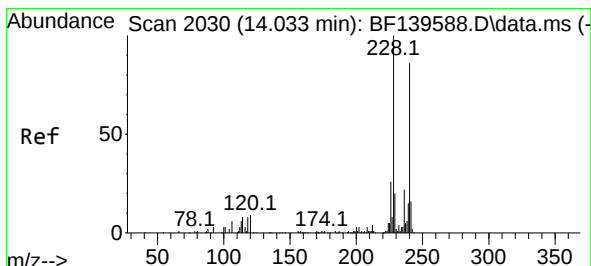
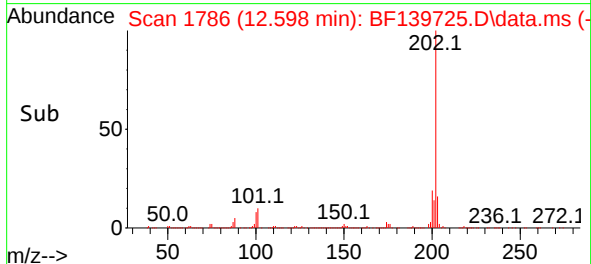
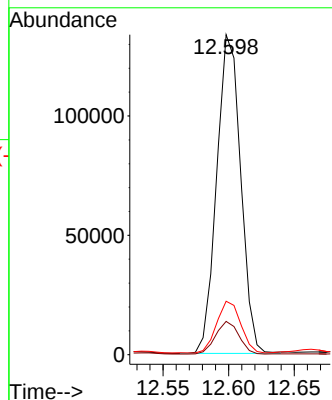
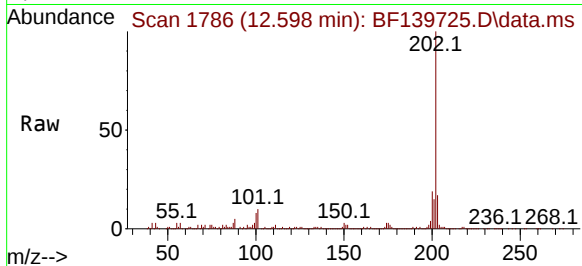




#75
Fluoranthene
Concen: 12.796 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

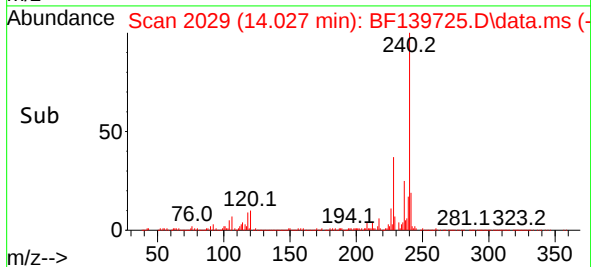
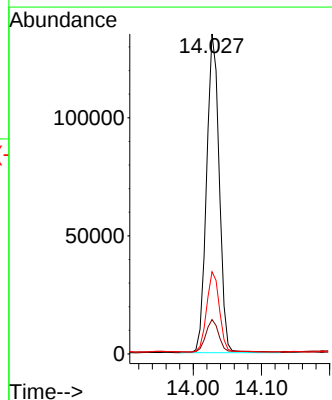
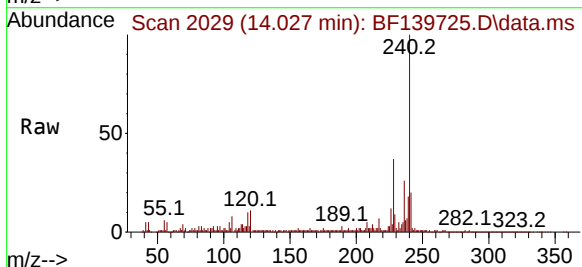
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

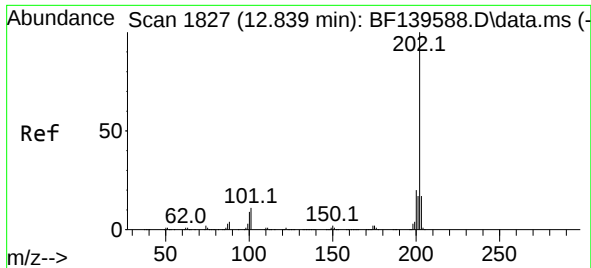
Tgt Ion:202 Resp: 169605
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 16.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion:240 Resp: 174097
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 25.7 20.3 30.5

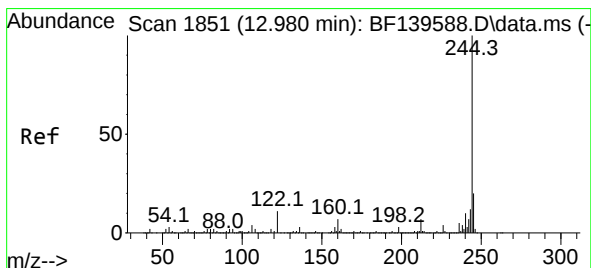
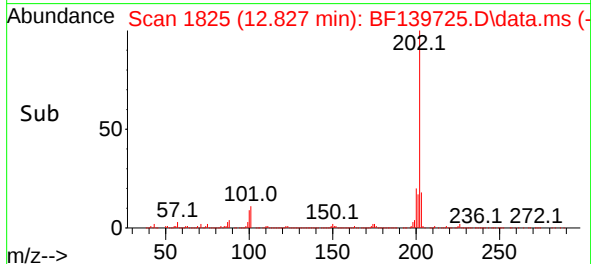
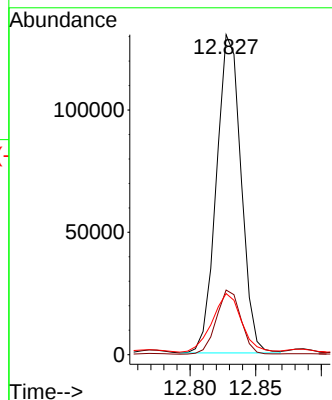
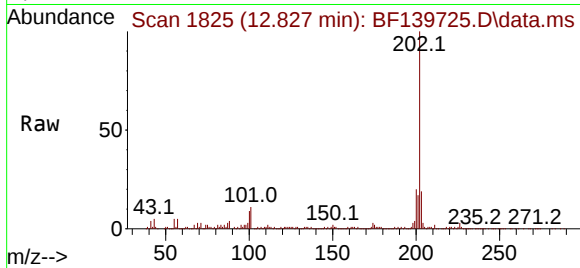




#78
Pyrene
Concen: 10.924 ng
RT: 12.827 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

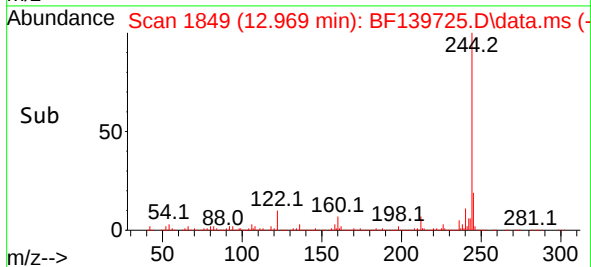
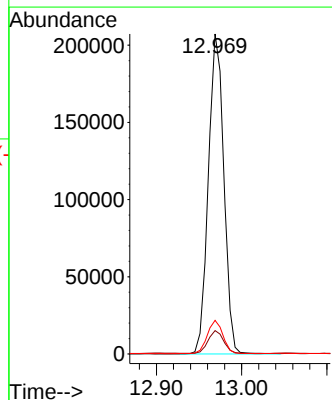
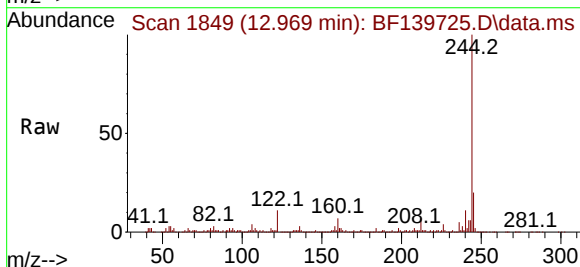
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

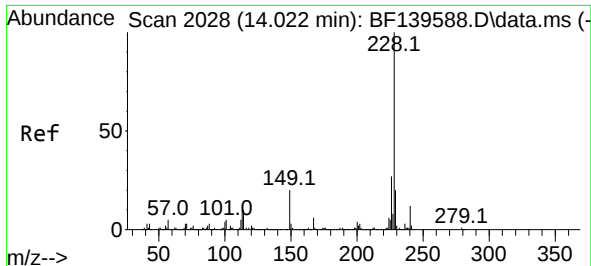
Tgt Ion:202 Resp: 170100
Ion Ratio Lower Upper
202 100
200 20.2 15.8 23.6
203 19.1 13.8 20.8



#79
Terphenyl-d14
Concen: 24.679 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion:244 Resp: 261856
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 10.5 8.6 12.8

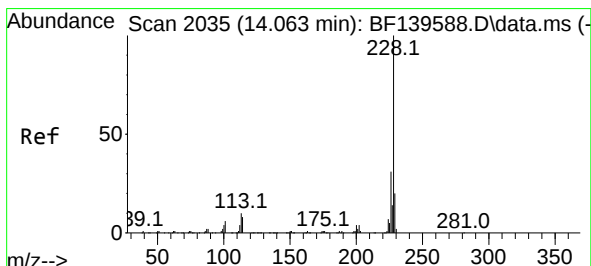
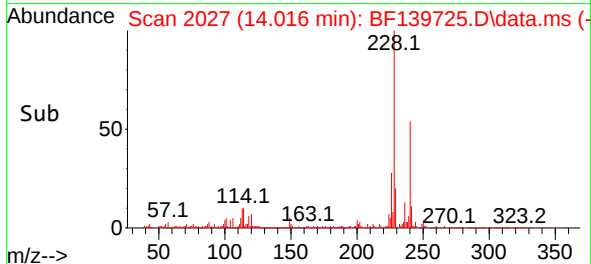
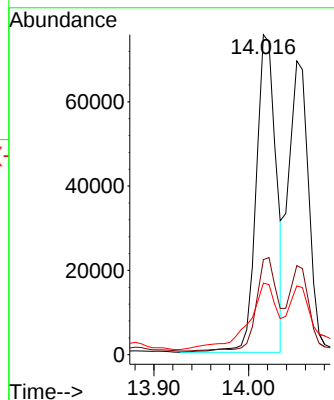
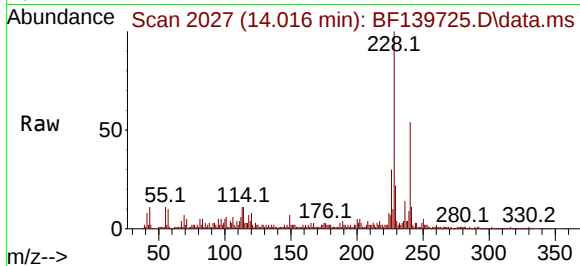




#81
Benzo(a)anthracene
Concen: 9.607 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

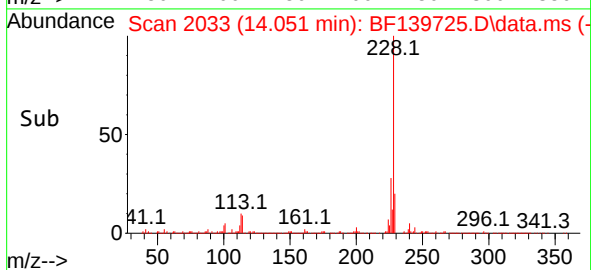
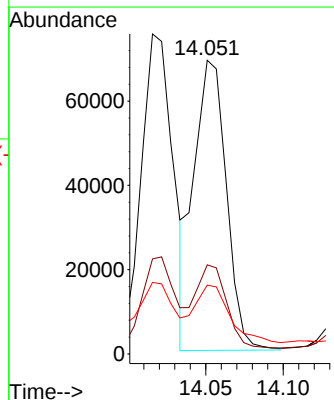
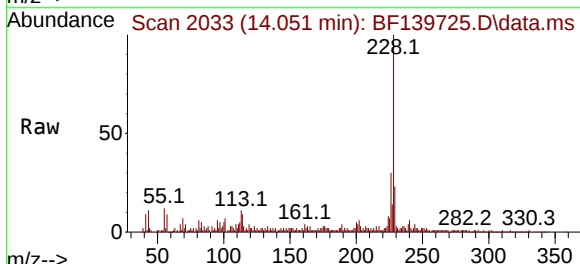
Instrument :
BNA_F
ClientSampleId :
TR-05-100724

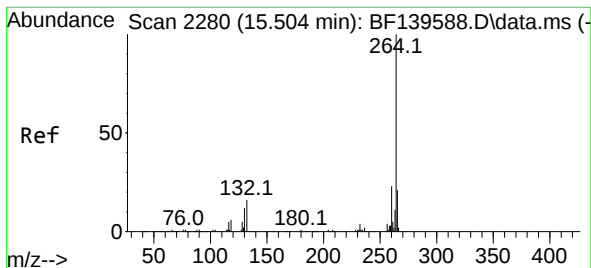
Tgt Ion:228 Resp: 109963
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 22.4 15.8 23.8



#83
Chrysene
Concen: 9.579 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF139725.D
Acq: 09 Oct 2024 16:31

Tgt Ion:228 Resp: 100246
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

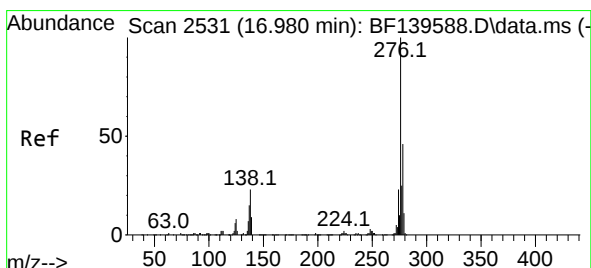
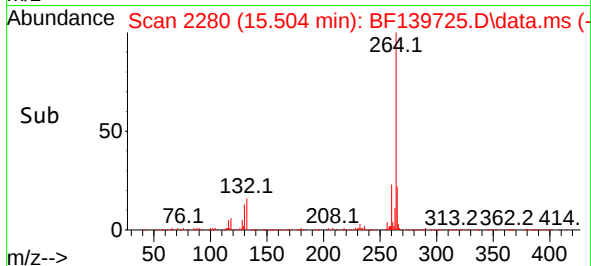
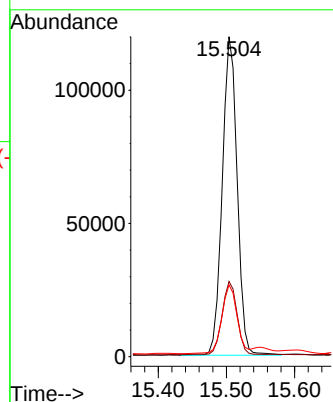
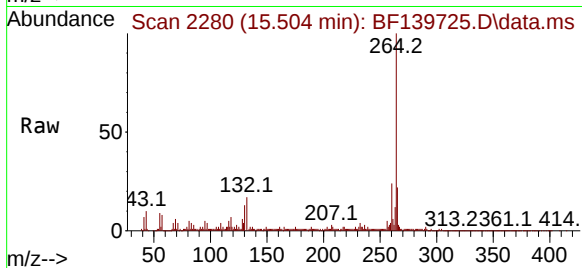
Tgt Ion:264 Resp: 181743

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.4 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.941 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

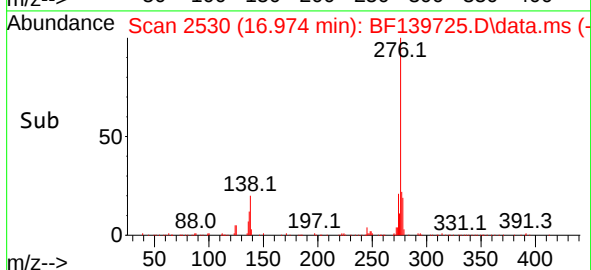
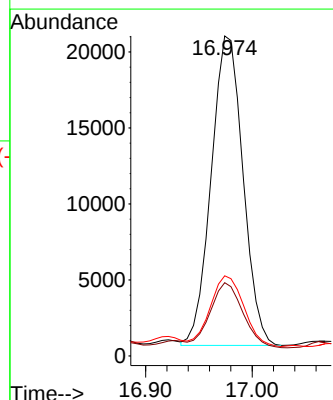
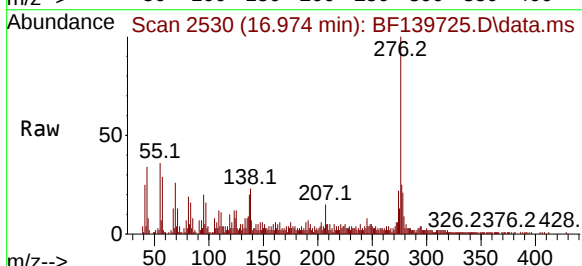
Tgt Ion:276 Resp: 42158

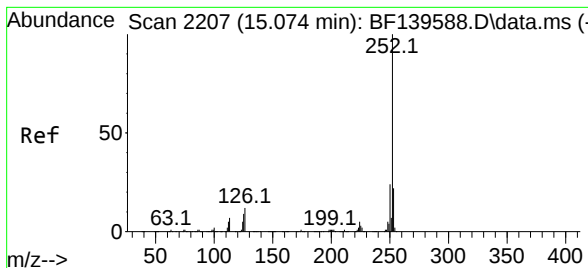
Ion Ratio Lower Upper

276 100

138 21.8 19.4 29.0

277 24.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 14.764 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

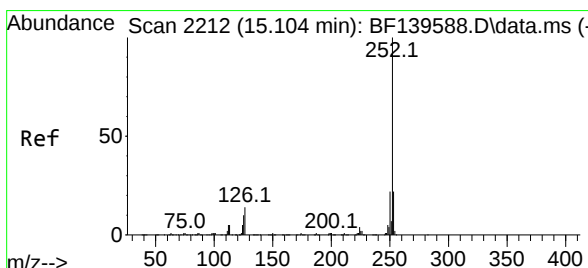
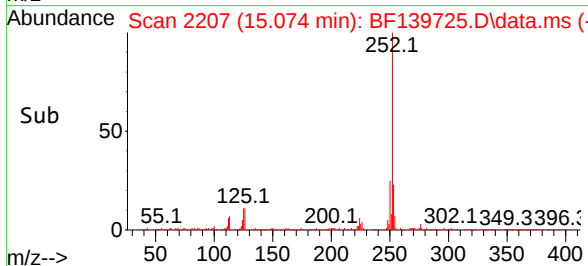
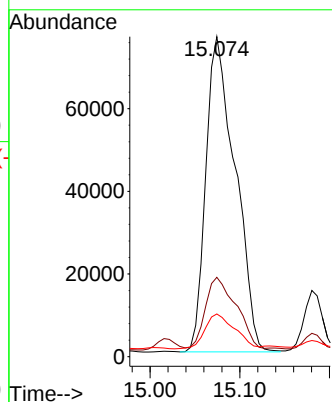
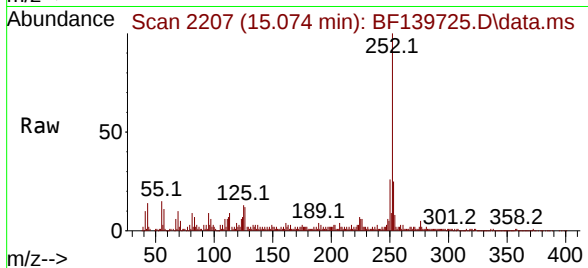
Tgt Ion:252 Resp: 173492

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 13.4 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 17.405 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

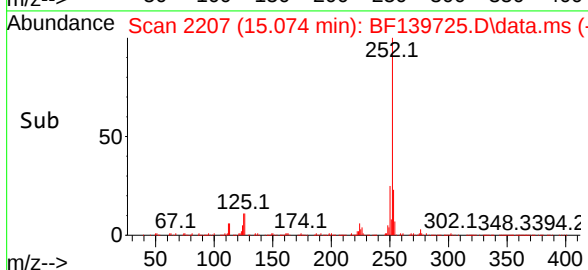
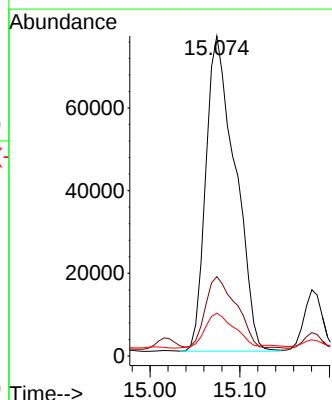
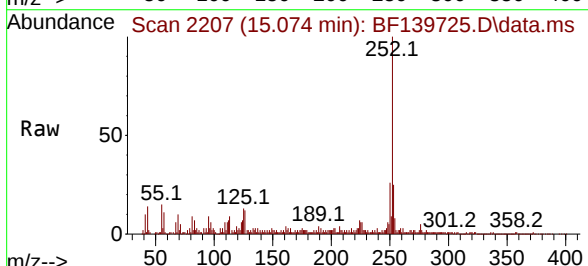
Tgt Ion:252 Resp: 173492

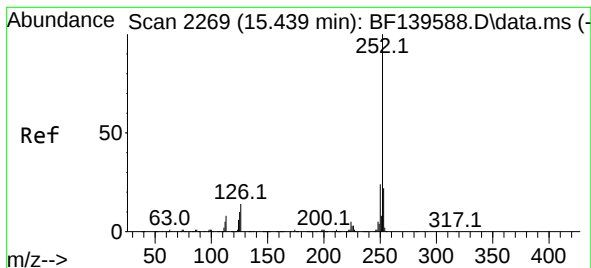
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 13.4 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 10.319 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Instrument :

BNA_F

ClientSampleId :

TR-05-100724

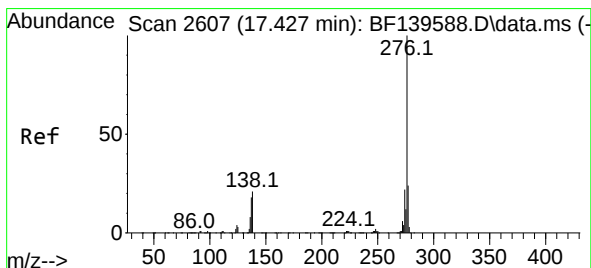
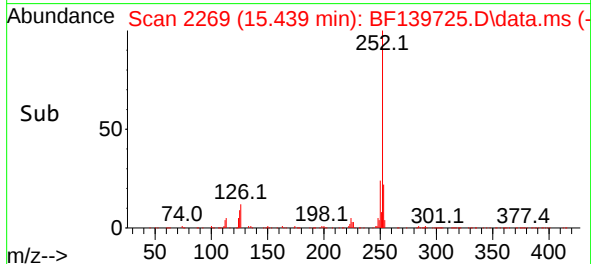
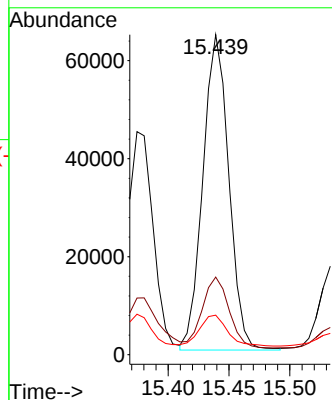
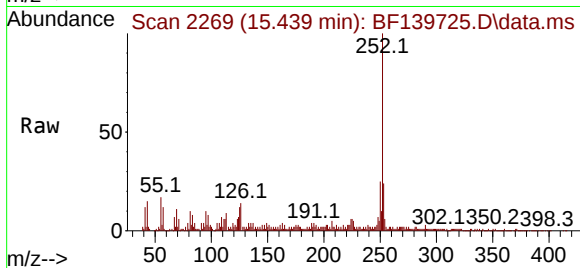
Tgt Ion:252 Resp: 95615

Ion Ratio Lower Upper

252 100

253 24.3 17.3 25.9

125 12.3 8.3 12.5



#92

Benzo(g,h,i)perylene

Concen: 4.527 ng

RT: 17.421 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF139725.D

Acq: 09 Oct 2024 16:31

Tgt Ion:276 Resp: 40277

Ion Ratio Lower Upper

276 100

277 26.7 19.0 28.6

138 23.8 17.0 25.6

