

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100424\
 Data File : BF139666.D
 Acq On : 04 Oct 2024 19:19
 Operator : RC/JU
 Sample : P4273-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-100224

Quant Time: Oct 04 22:54:49 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)

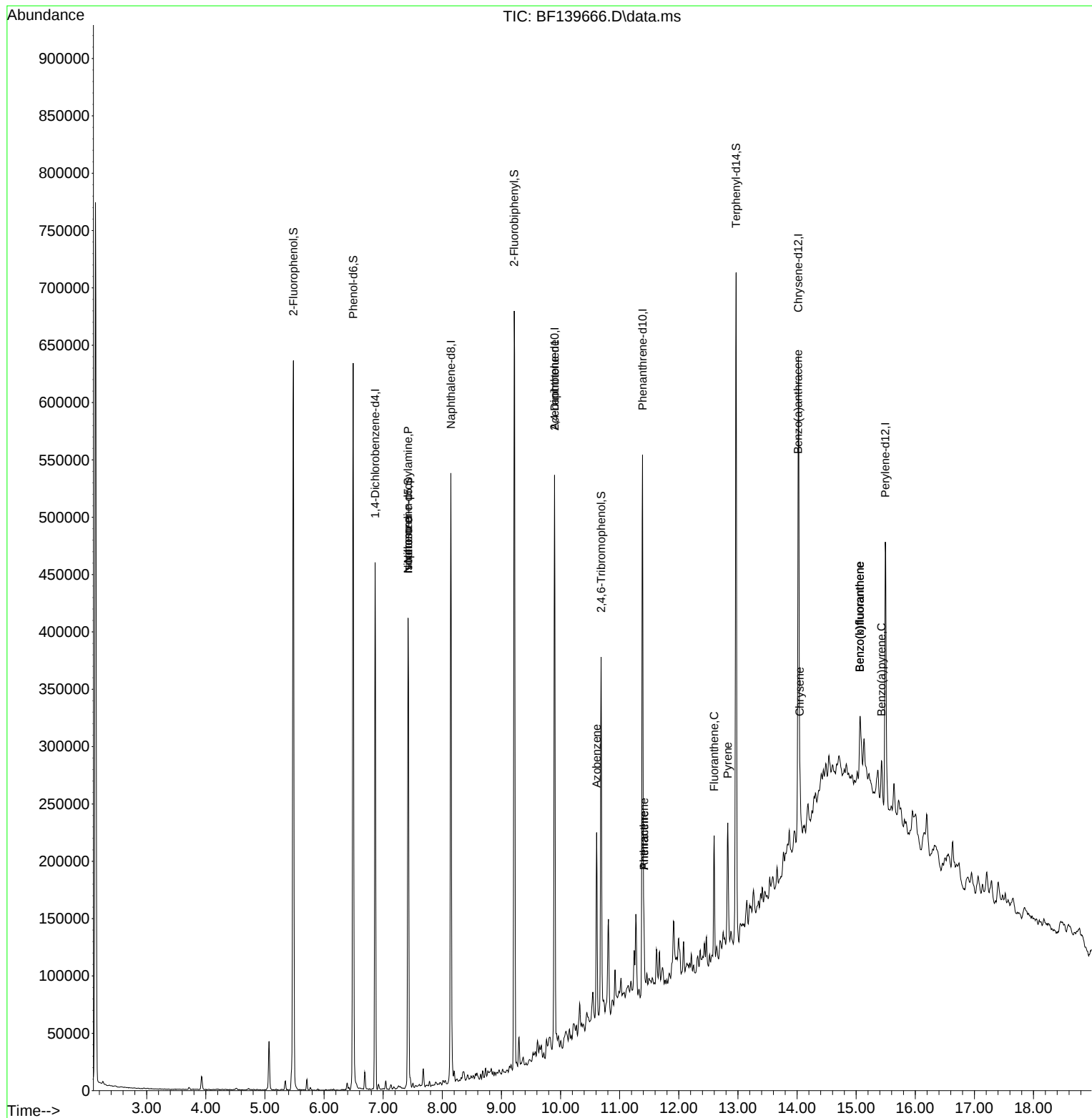
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	90029	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	303514	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	140372	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	239377	20.000	ng	0.00
76) Chrysene-d12	14.022	240	181695	20.000	ng	-0.01
86) Perylene-d12	15.492	264	141617	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	215690	41.525	ng	0.00
7) Phenol-d6	6.493	99	272127	38.958	ng	-0.01
23) Nitrobenzene-d5	7.422	82	170498	28.441	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	48337	35.671	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	288791	31.584	ng	-0.01
79) Terphenyl-d14	12.969	244	279924	25.279	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.422	70	23613	5.258	ng	# 77
25) Isophorone	7.422	82	167810	15.761	ng	# 67
57) 2,4-Dinitrotoluene	9.898	165	18733	6.904	ng	# 18
63) Azobenzene	10.610	77	40218	4.214	ng	# 1
71) Phenanthrene	11.410	178	31005	2.747	ng	100
72) Anthracene	11.410	178	31005	2.777	ng	100
75) Fluoranthene	12.598	202	61076	4.950	ng	97
78) Pyrene	12.827	202	59718	3.675	ng	99
81) Benzo(a)anthracene	14.016	228	35042	2.933	ng	# 90
83) Chrysene	14.045	228	27489	2.517	ng	# 91
88) Benzo(b)fluoranthene	15.063	252	40880	4.464	ng	# 82
89) Benzo(k)fluoranthene	15.063	252	40880	5.263	ng	# 83
90) Benzo(a)pyrene	15.427	252	19985	2.768	ng	# 82

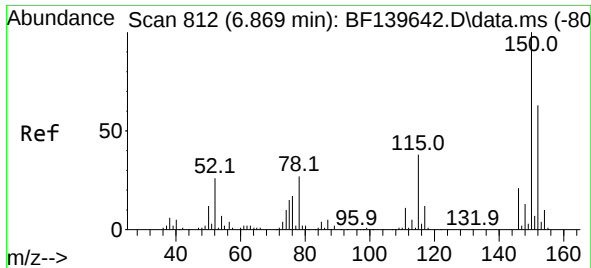
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

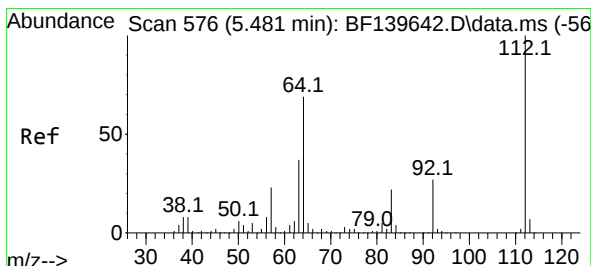
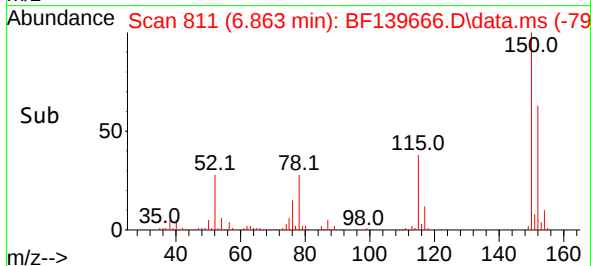
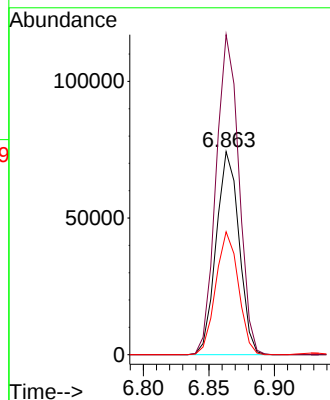
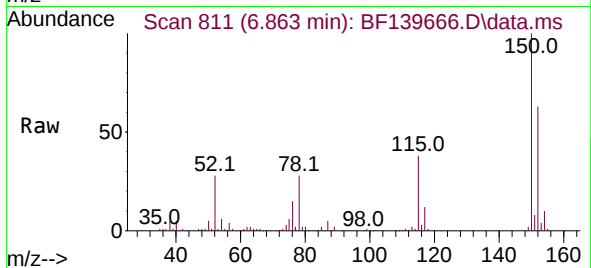




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

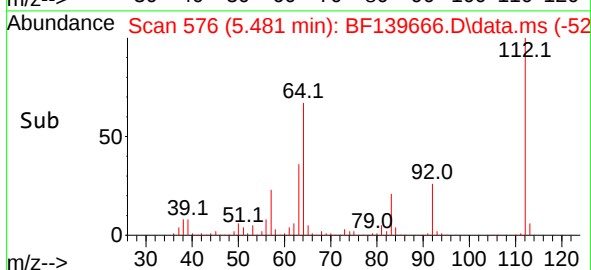
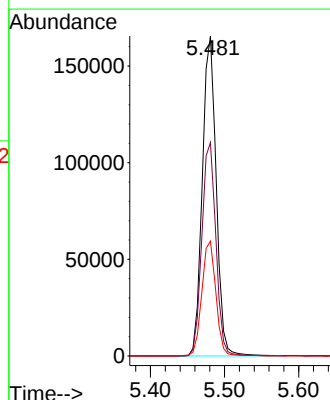
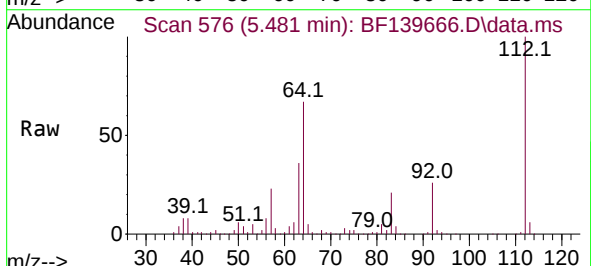
Instrument :
BNA_F
ClientSampleId :
AU-05-100224

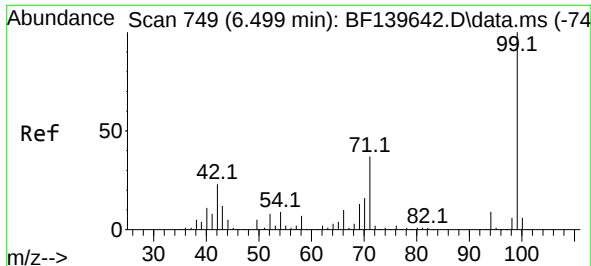
Tgt Ion:152 Resp: 90029
Ion Ratio Lower Upper
152 100
150 157.6 127.2 190.8
115 60.5 49.0 73.4



#5
2-Fluorophenol
Concen: 41.525 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

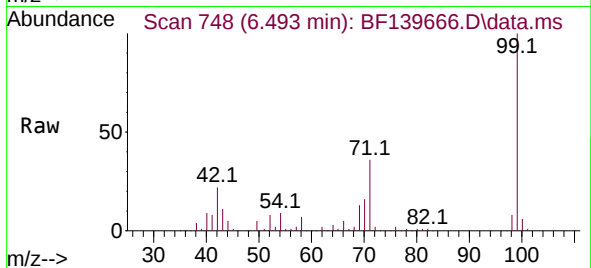
Tgt Ion:112 Resp: 215690
Ion Ratio Lower Upper
112 100
64 66.7 54.2 81.4
63 35.9 29.4 44.2



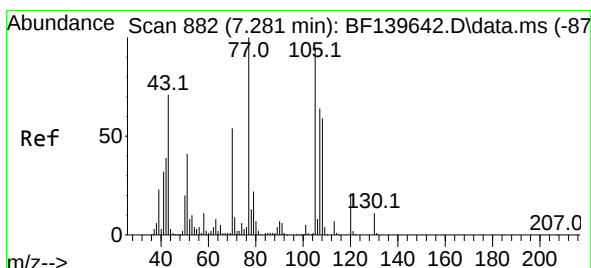
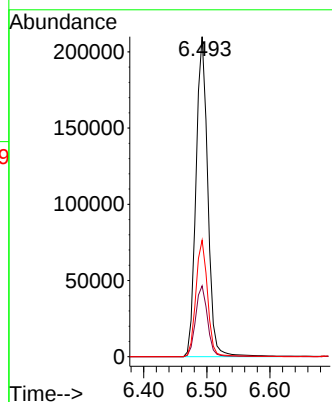
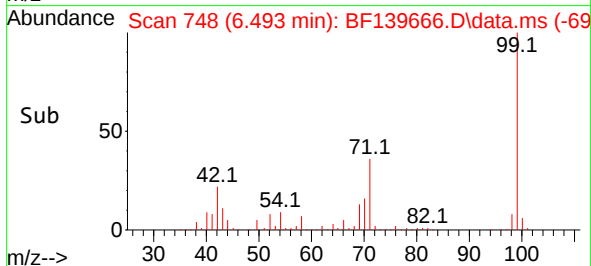


#7
Phenol-d6
Concen: 38.958 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

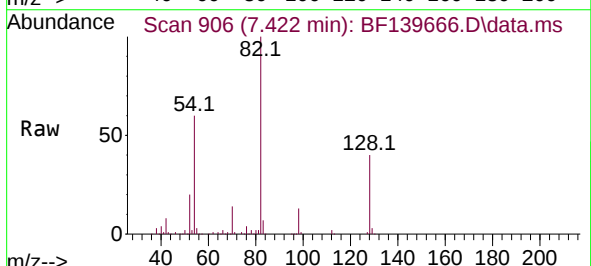
Instrument :
BNA_F
ClientSampleId :
AU-05-100224



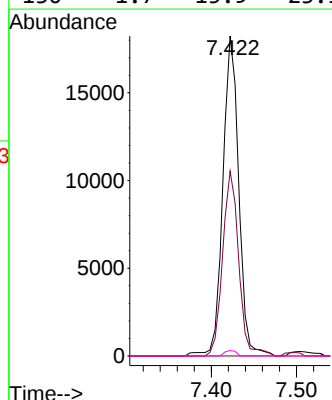
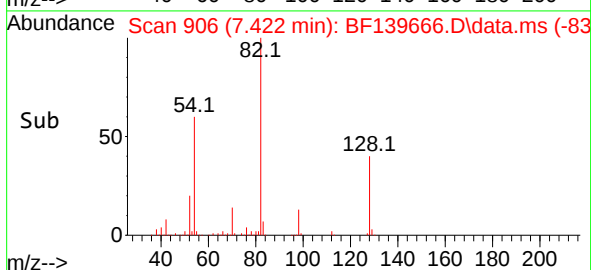
Tgt Ion: 99 Resp: 272127
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 36.4 29.7 44.5

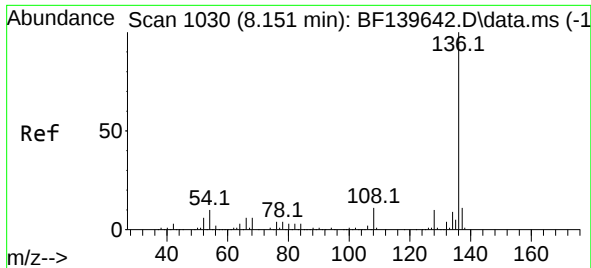


#19
n-Nitroso-di-n-propylamine
Concen: 5.258 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19



Tgt Ion: 70 Resp: 23613
Ion Ratio Lower Upper
70 100
42 57.8 58.0 87.0#
101 0.0 7.8 11.8#
130 1.7 15.9 23.9#



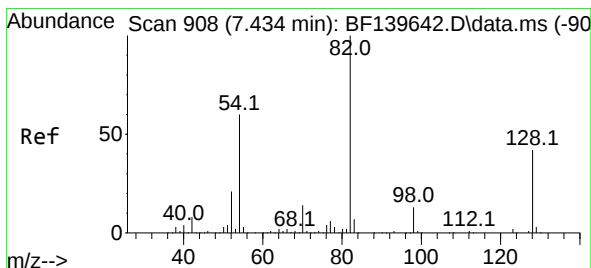
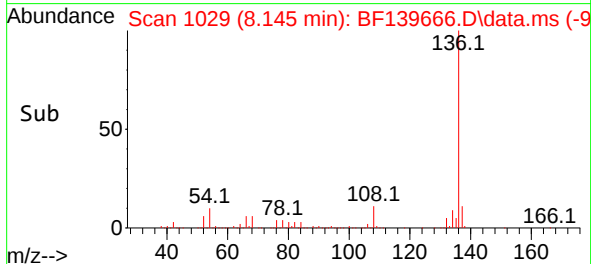
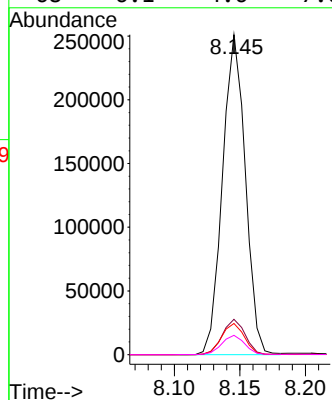
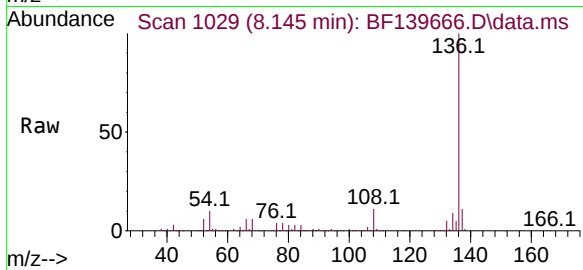


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Instrument :
BNA_F
ClientSampleId :
AU-05-100224

Tgt Ion:136 Resp: 303514

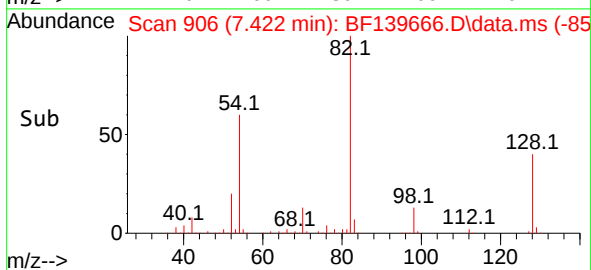
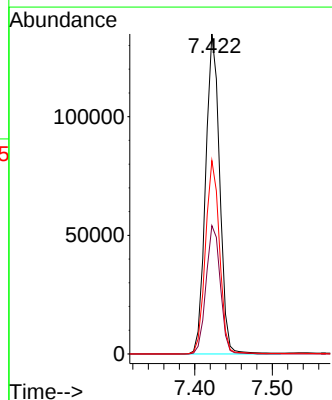
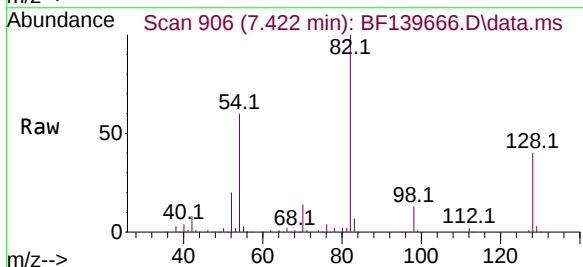
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.8	8.3	12.5
68	6.1	4.6	7.0

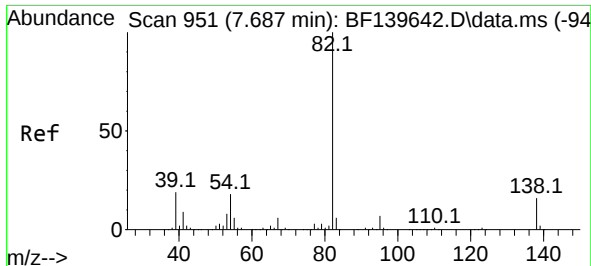


#23
Nitrobenzene-d5
Concen: 28.441 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Tgt Ion: 82 Resp: 170498

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.4	48.6
54	60.5	49.1	73.7

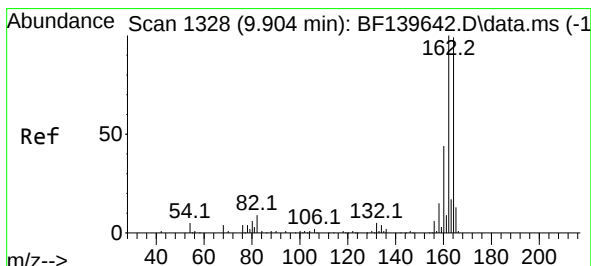
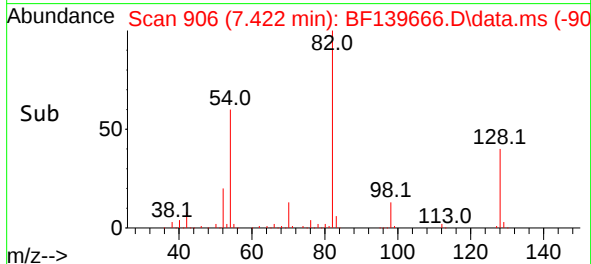
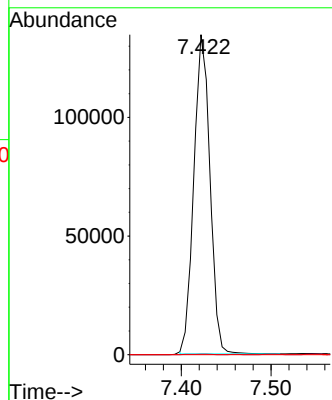
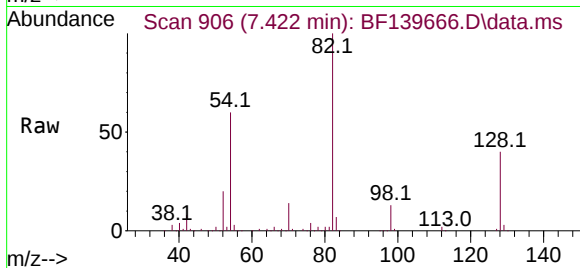




#25
Isophorone
Concen: 15.761 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

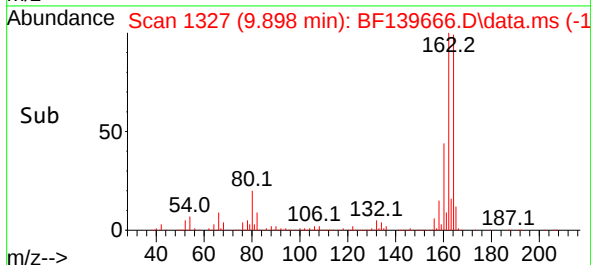
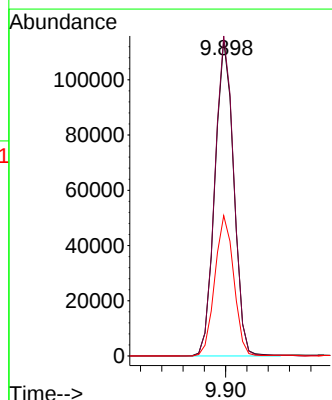
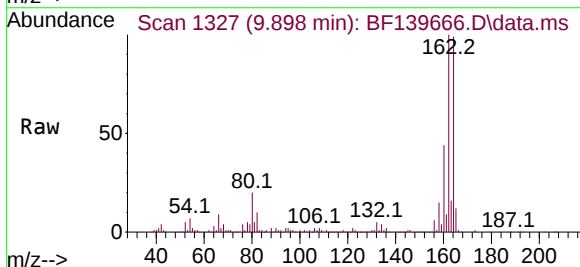
Instrument :
BNA_F
ClientSampleId :
AU-05-100224

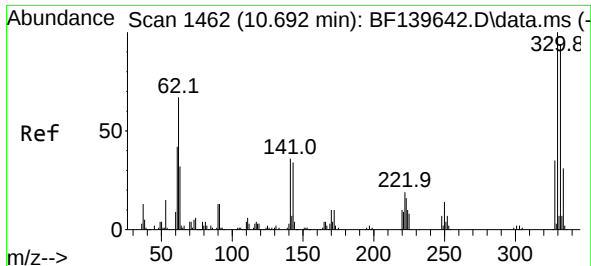
Tgt Ion: 82 Resp: 167810
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Tgt Ion:164 Resp: 140372
Ion Ratio Lower Upper
164 100
162 101.4 79.4 119.0
160 44.5 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 35.671 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139666.D

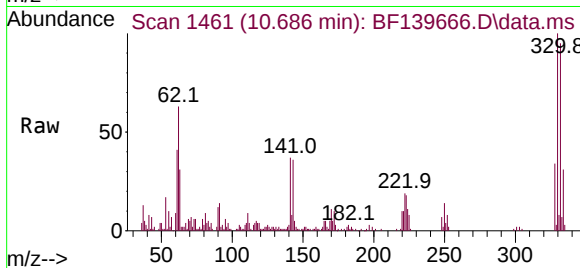
Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224



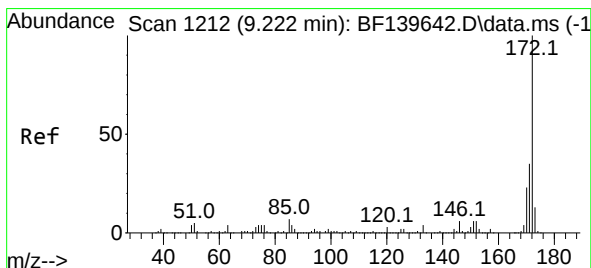
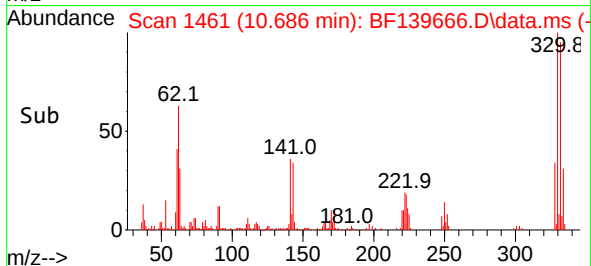
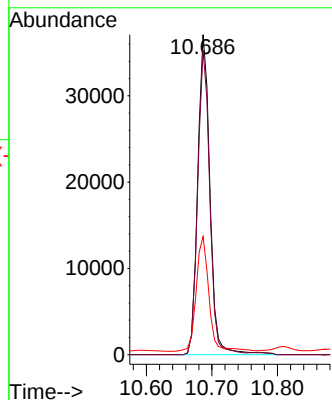
Tgt Ion:330 Resp: 48337

Ion Ratio Lower Upper

330 100

332 93.4 76.5 114.7

141 37.2 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 31.584 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

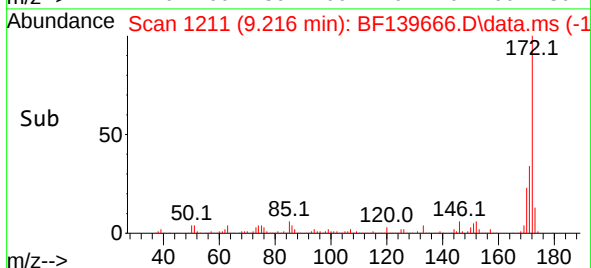
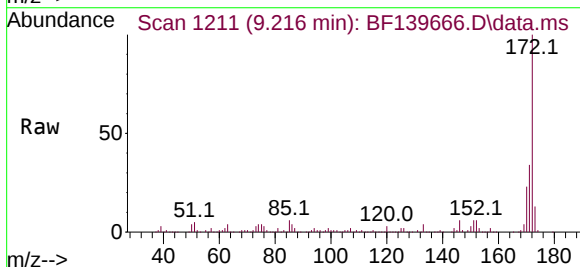
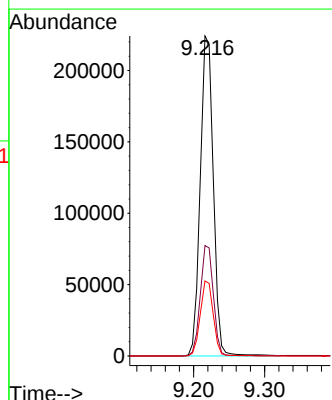
Tgt Ion:172 Resp: 288791

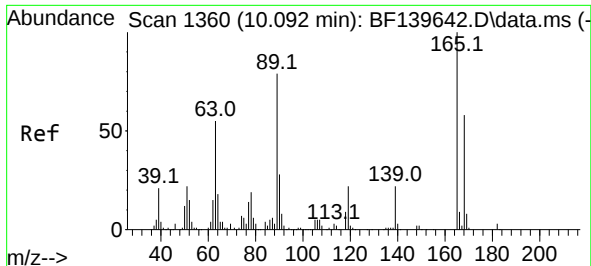
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 23.4 18.8 28.2

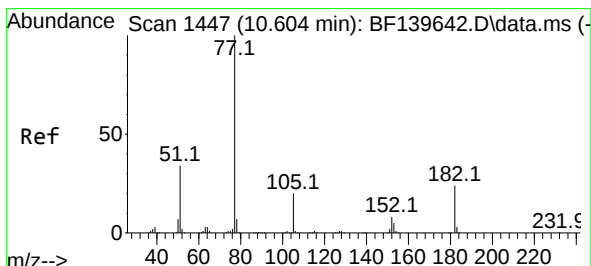
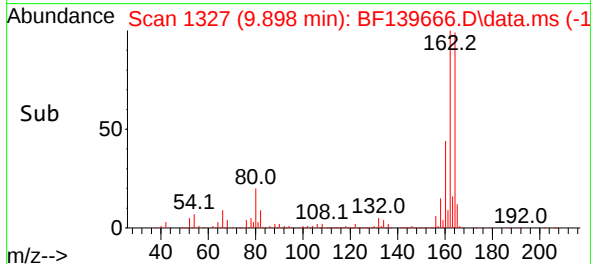
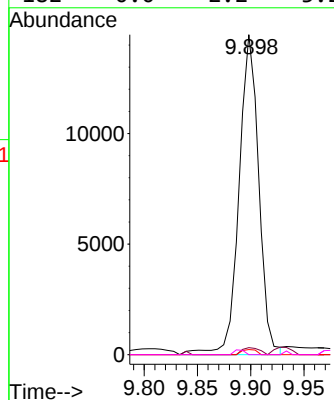
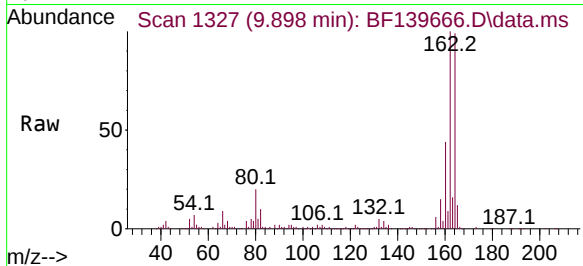




#57
2,4-Dinitrotoluene
Concen: 6.904 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

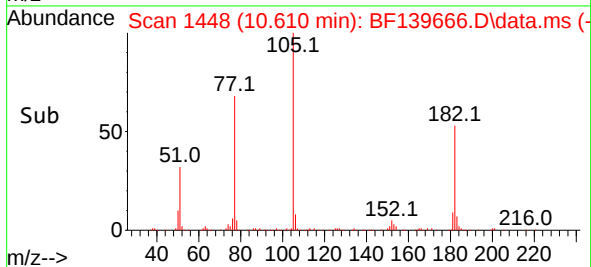
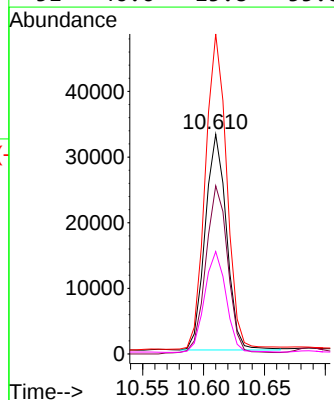
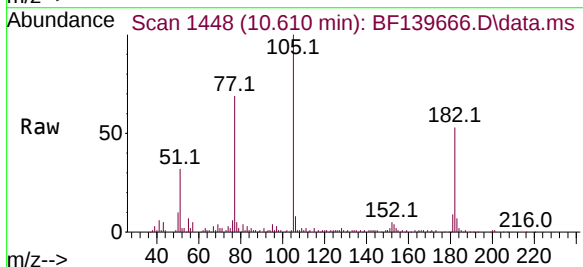
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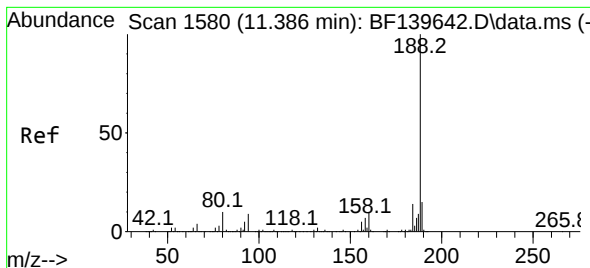
Tgt Ion:165 Resp: 18733
Ion Ratio Lower Upper
165 100
63 2.2 46.9 70.3#
89 1.6 64.4 96.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.214 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF139666.D
Acq: 04 Oct 2024 19:19

Tgt Ion: 77 Resp: 40218
Ion Ratio Lower Upper
77 100
182 76.6 4.2 44.2#
105 145.7 0.0 39.6#
51 46.6 15.8 55.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

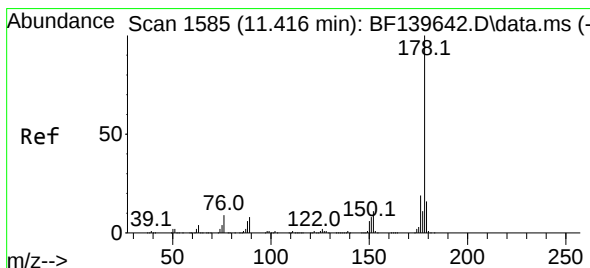
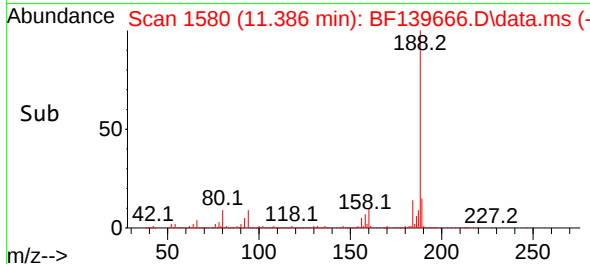
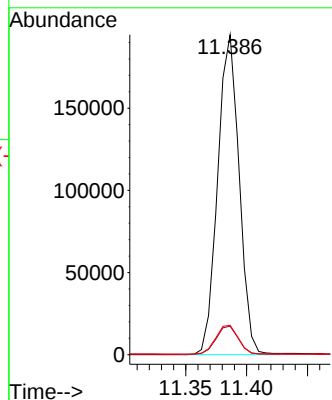
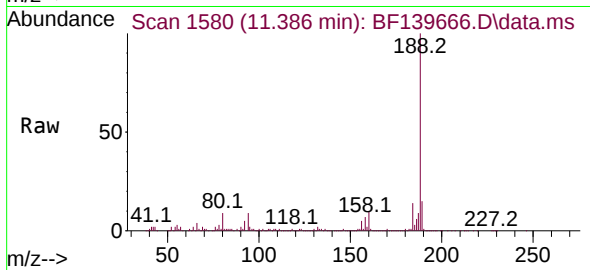
Tgt Ion:188 Resp: 239377

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

80 9.2 8.2 12.2



#71

Phenanthrene

Concen: 2.747 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

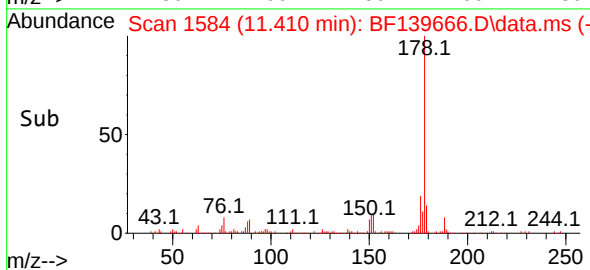
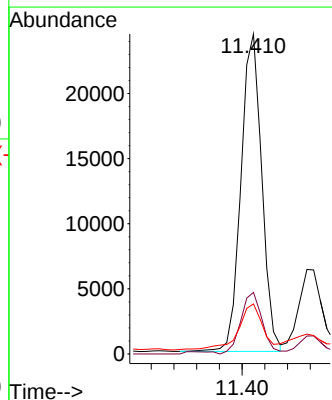
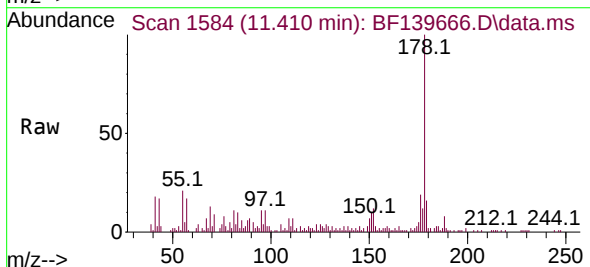
Tgt Ion:178 Resp: 31005

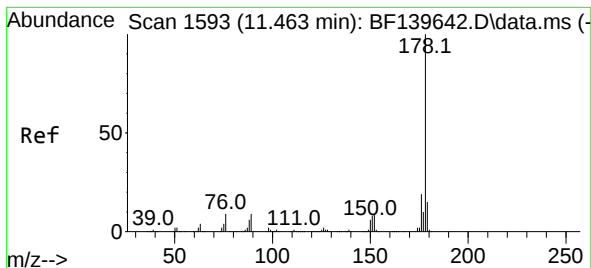
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.6 12.3 18.5





#72

Anthracene

Concen: 2.777 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

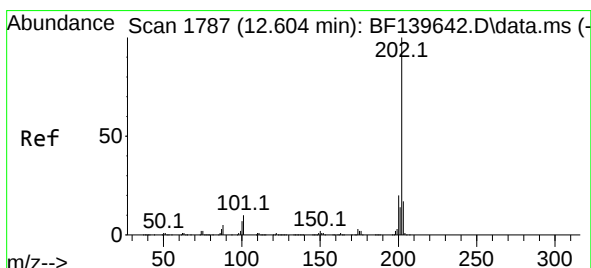
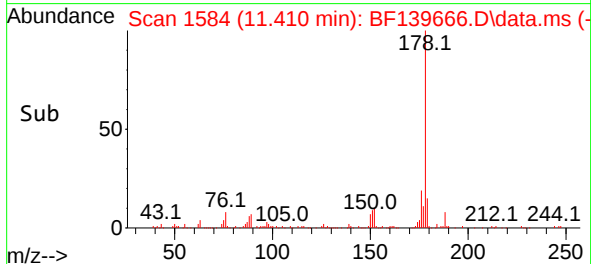
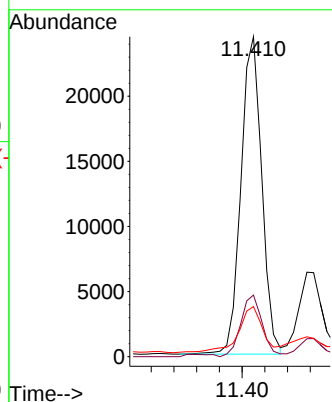
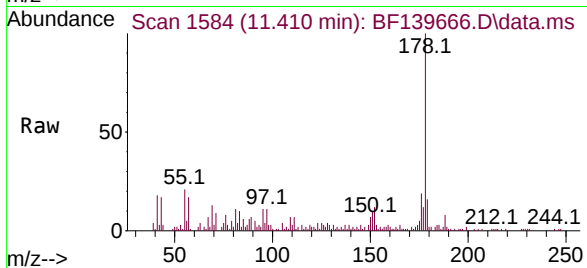
Tgt Ion:178 Resp: 31005

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.6 12.5 18.7



#75

Fluoranthene

Concen: 4.950 ng

RT: 12.598 min Scan# 1786

Delta R.T. -0.006 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

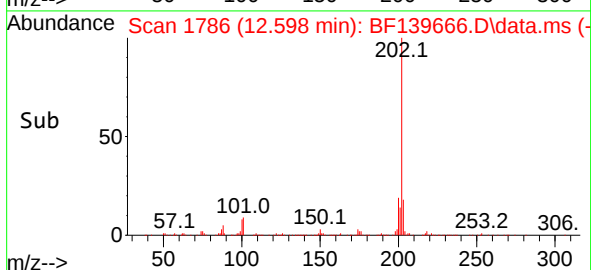
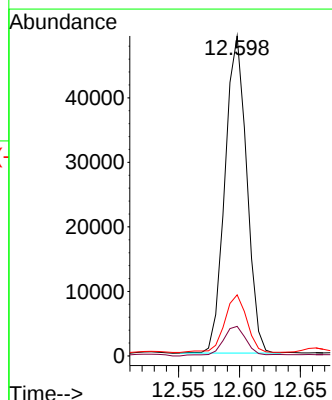
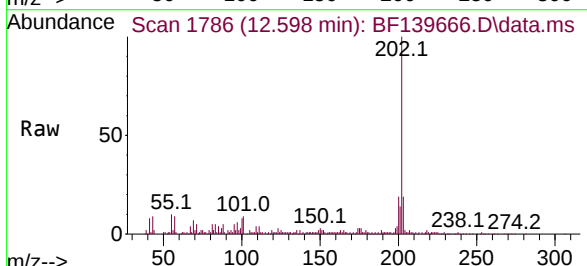
Tgt Ion:202 Resp: 61076

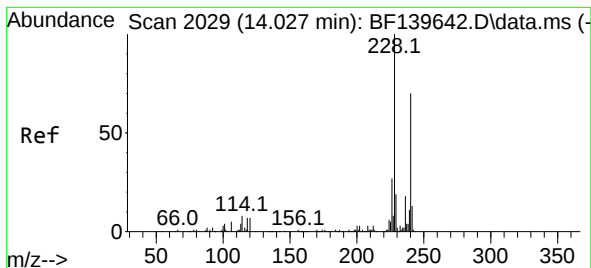
Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.2

203 19.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.022 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

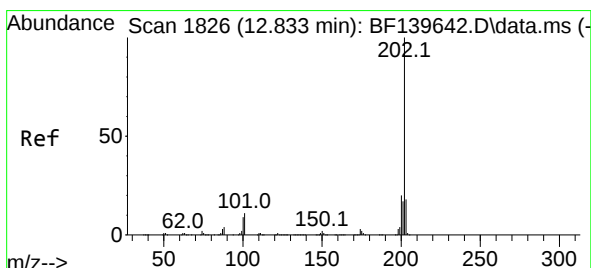
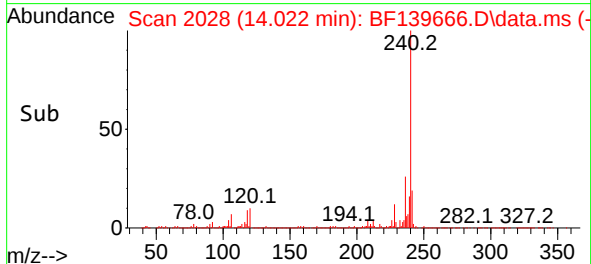
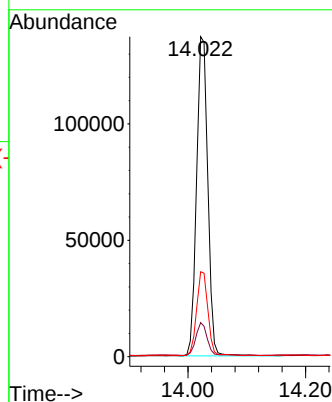
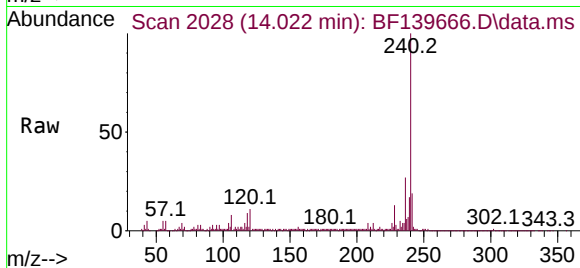
Tgt Ion:240 Resp: 181695

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

236 26.6 20.3 30.5



#78

Pyrene

Concen: 3.675 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

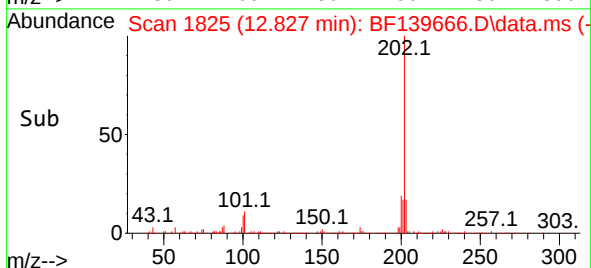
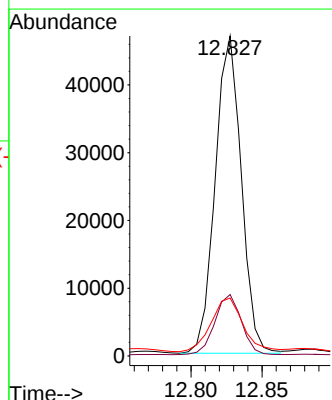
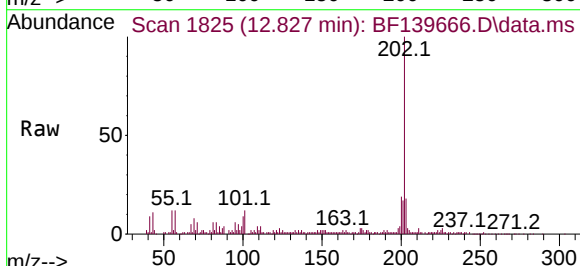
Tgt Ion:202 Resp: 59718

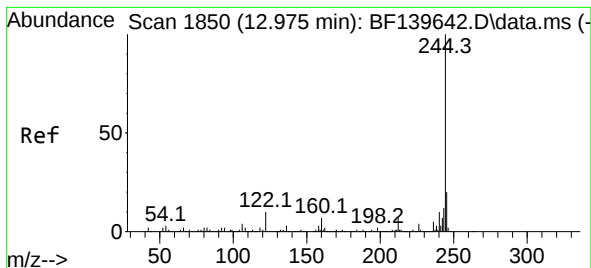
Ion Ratio Lower Upper

202 100

200 19.2 15.8 23.6

203 18.1 13.8 20.8





#79

Terphenyl-d14

Concen: 25.279 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

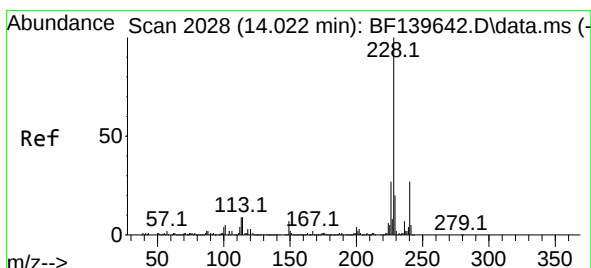
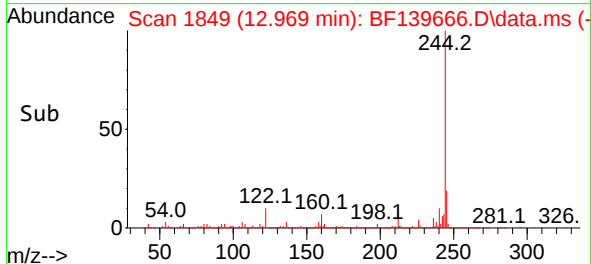
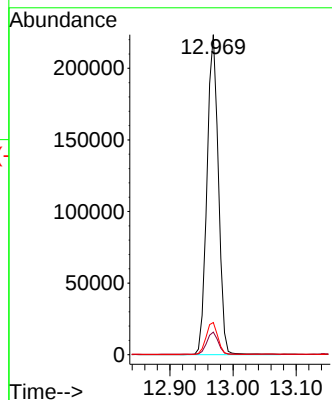
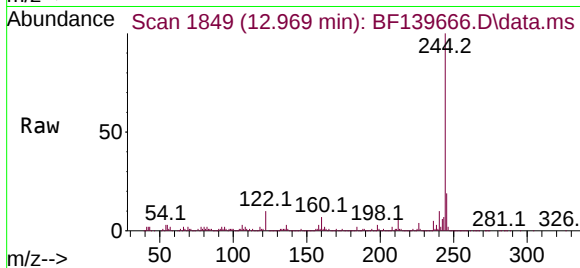
Tgt Ion:244 Resp: 279924

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 10.0 8.6 12.8



#81

Benzo(a)anthracene

Concen: 2.933 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

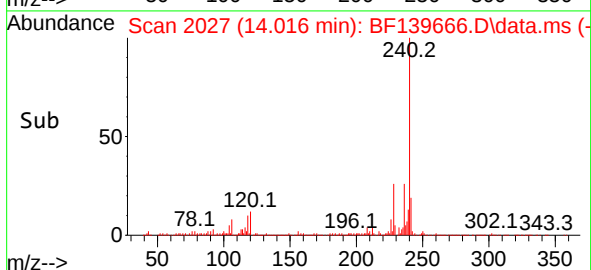
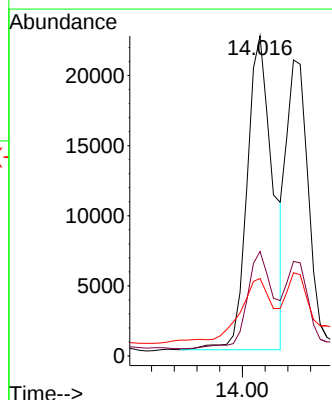
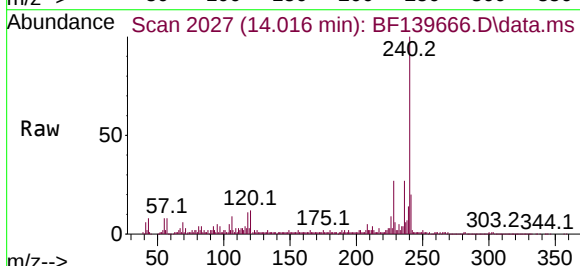
Tgt Ion:228 Resp: 35042

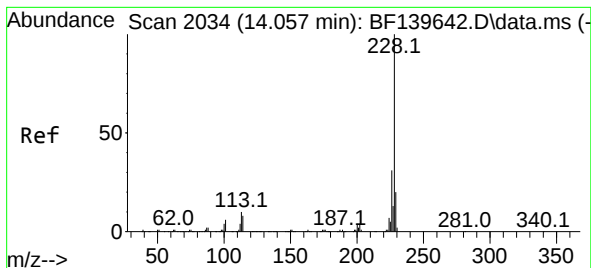
Ion Ratio Lower Upper

228 100

226 32.6 21.8 32.8

229 24.2 15.8 23.8#





#83

Chrysene

Concen: 2.517 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.018 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

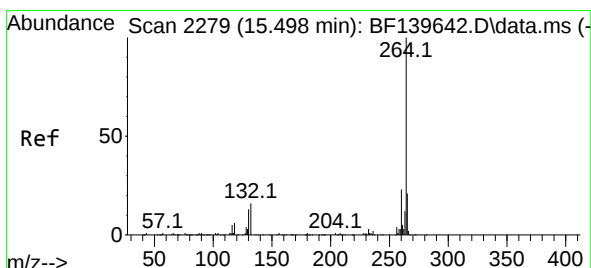
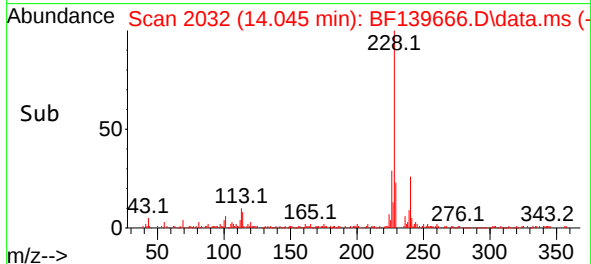
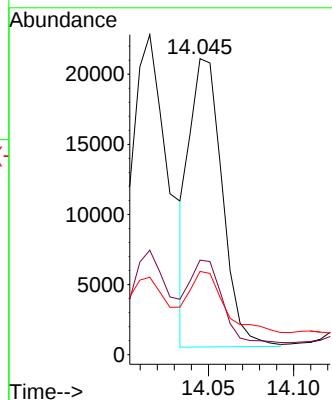
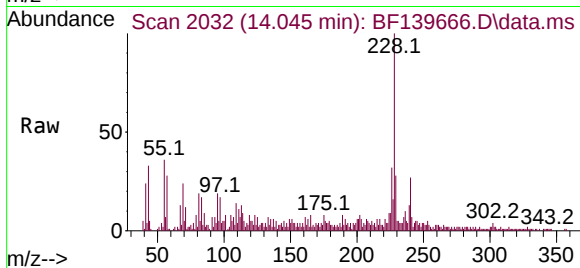
Tgt Ion:228 Resp: 27489

Ion Ratio Lower Upper

228 100

226 32.0 24.3 36.5

229 28.1 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2278

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

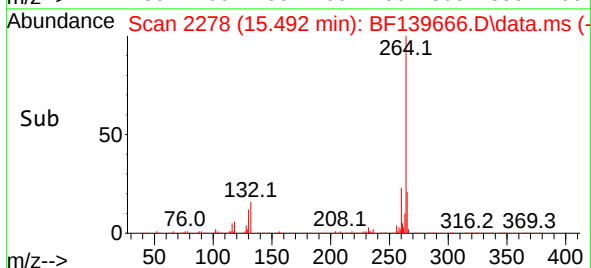
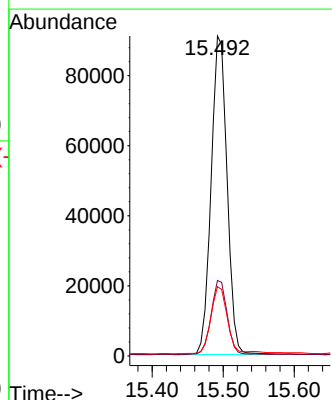
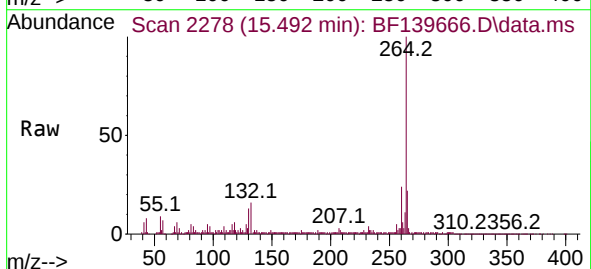
Tgt Ion:264 Resp: 141617

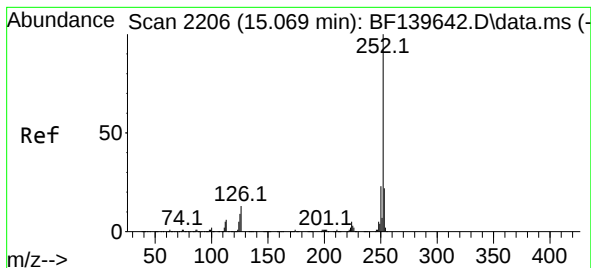
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.7 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 4.464 ng

RT: 15.063 min Scan# 2205

Delta R.T. -0.012 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

Instrument :

BNA_F

ClientSampleId :

AU-05-100224

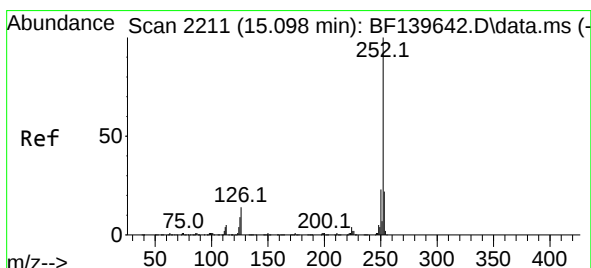
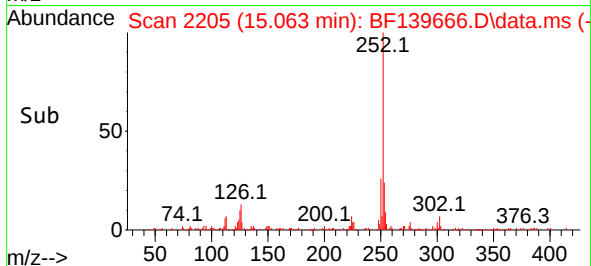
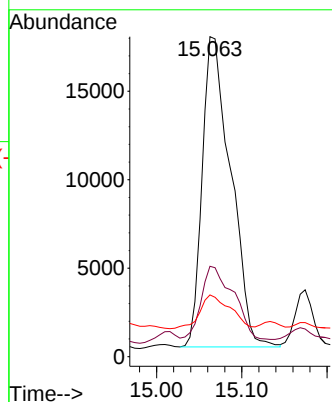
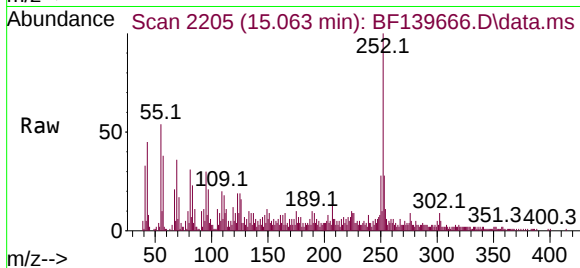
Tgt Ion:252 Resp: 40880

Ion Ratio Lower Upper

252 100

253 28.2 17.4 26.0#

125 19.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 5.263 ng

RT: 15.063 min Scan# 2205

Delta R.T. -0.041 min

Lab File: BF139666.D

Acq: 04 Oct 2024 19:19

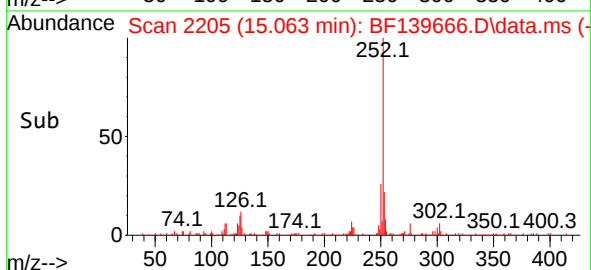
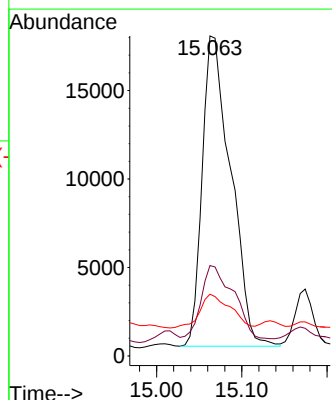
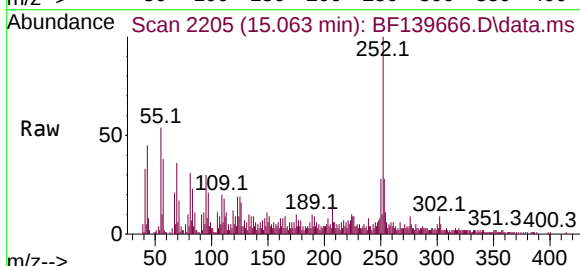
Tgt Ion:252 Resp: 40880

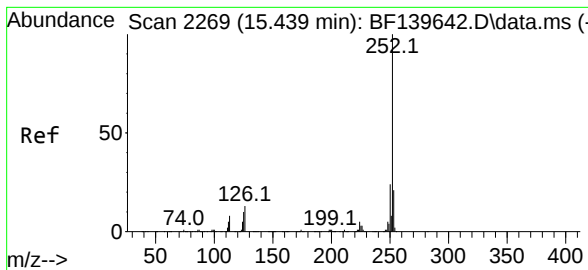
Ion Ratio Lower Upper

252 100

253 28.2 17.5 26.3#

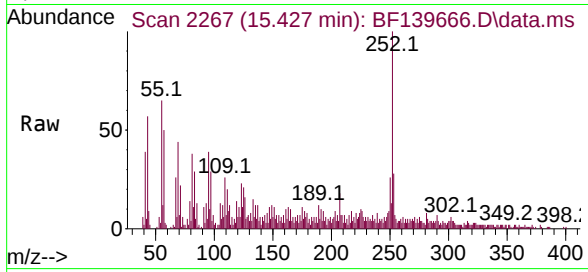
125 19.3 7.6 11.4#





#90
 Benzo(a)pyrene
 Concen: 2.768 ng
 RT: 15.427 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF139666.D
 Acq: 04 Oct 2024 19:19

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-100224



Tgt Ion:	252	Resp:	19985
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.3	25.9#
125	21.0	8.3	12.5#

