

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139802.D
 Acq On : 14 Oct 2024 21:48
 Operator : RC/JU
 Sample : P4364-10 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0.167-0.667

Quant Time: Oct 15 01:14:20 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)

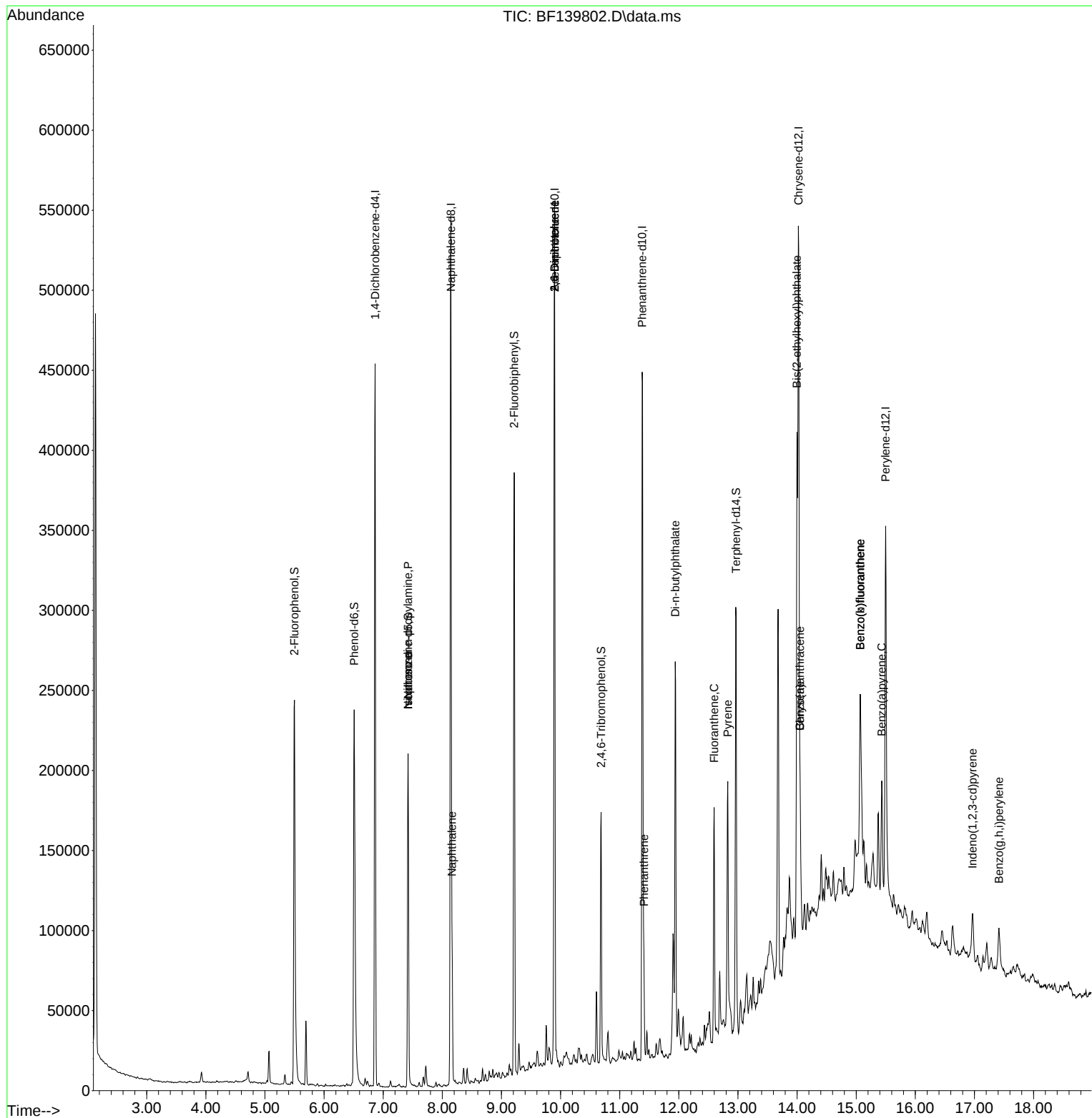
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	92902	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	333414	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	154068	20.000	ng	-0.01
64) Phenanthrene-d10	11.380	188	234425	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	182927	20.000	ng	0.00
86) Perylene-d12	15.498	264	136364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	112068	20.908	ng	0.01
7) Phenol-d6	6.510	99	146449	20.317	ng	0.00
23) Nitrobenzene-d5	7.422	82	87793	13.332	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	23420	15.747	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	159016	15.845	ng	-0.01
79) Terphenyl-d14	12.969	244	127421	11.429	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	11811	2.549	ng	# 77
25) Isophorone	7.422	82	85818	7.337	ng	# 66
31) Naphthalene	8.163	128	46713	2.740	ng	99
51) 2,6-Dinitrotoluene	9.898	165	20574	9.031	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	20574	6.909	ng	# 18
71) Phenanthrene	11.410	178	35153	3.180	ng	100
74) Di-n-butylphthalate	11.939	149	163879	12.832	ng	100
75) Fluoranthene	12.598	202	81856	6.775	ng	99
78) Pyrene	12.827	202	88013	5.379	ng	99
81) Benzo(a)anthracene	14.051	228	44024	3.661	ng	96
83) Chrysene	14.051	228	44024	4.004	ng	98
84) Bis(2-ethylhexyl)phtha...	13.998	149	107655	14.732	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	22346	2.784	ng	96
88) Benzo(b)fluoranthene	15.068	252	82892	9.401	ng	# 96
89) Benzo(k)fluoranthene	15.068	252	82892	11.083	ng	# 96
90) Benzo(a)pyrene	15.433	252	39504	5.682	ng	# 90
92) Benzo(g,h,i)perylene	17.415	276	20707	3.102	ng	94

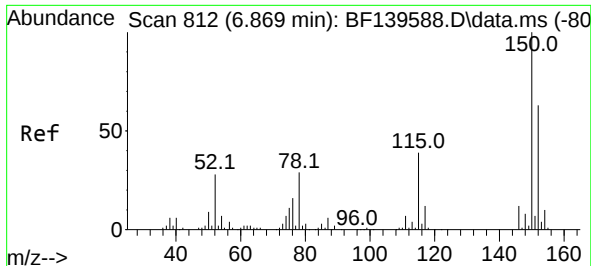
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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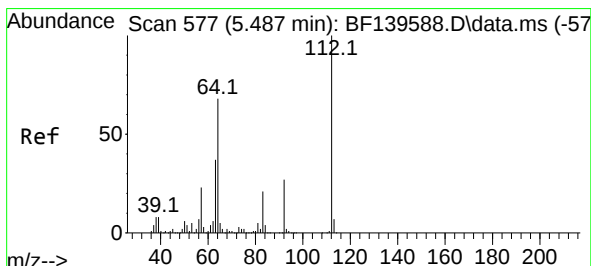
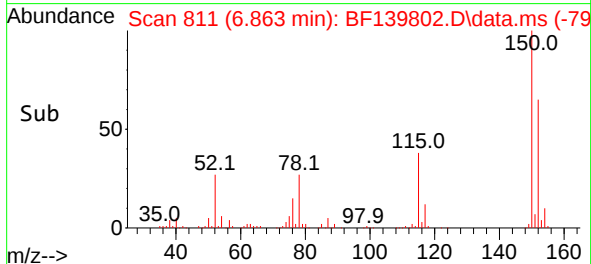
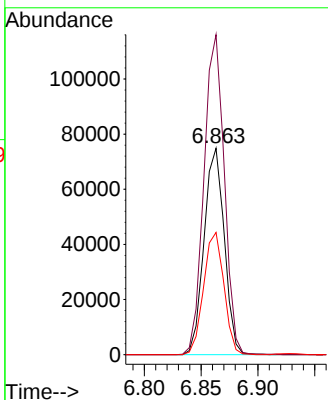
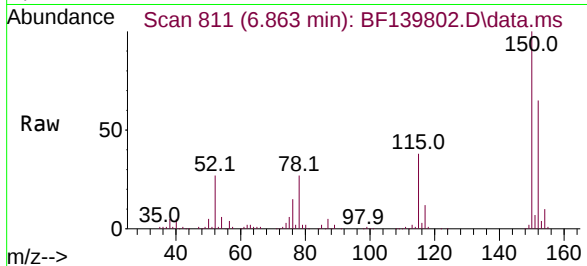




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

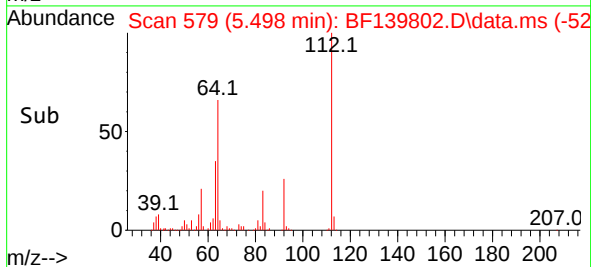
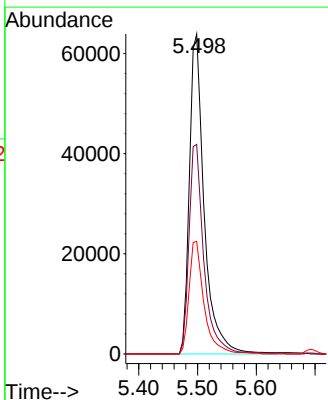
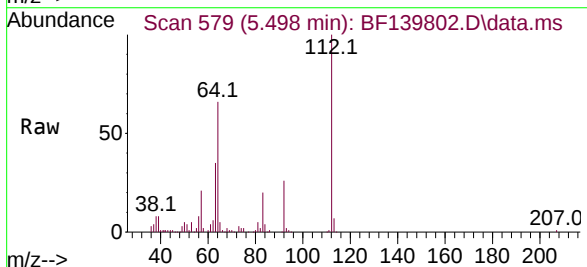
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

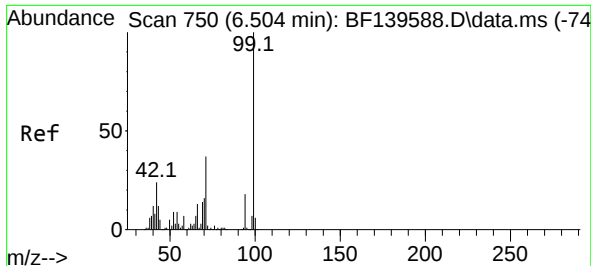
Tgt Ion:152 Resp: 92902
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 59.2 49.0 73.4



#5
2-Fluorophenol
Concen: 20.908 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion:112 Resp: 112068
Ion Ratio Lower Upper
112 100
64 65.5 54.2 81.4
63 35.2 29.4 44.2

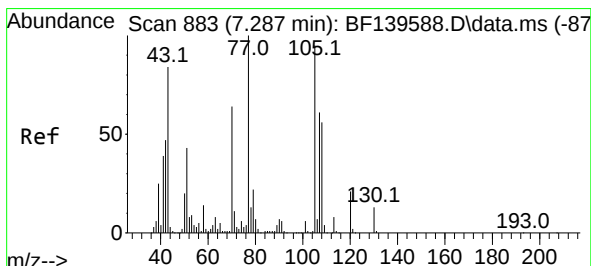
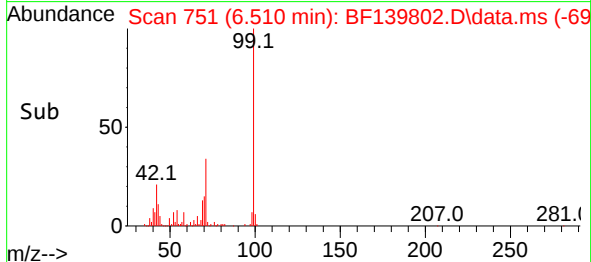
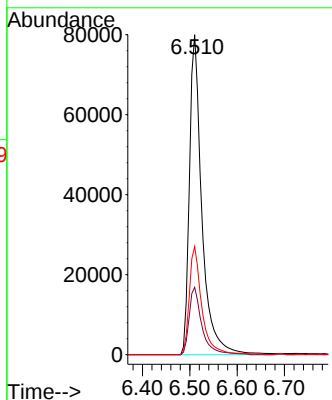
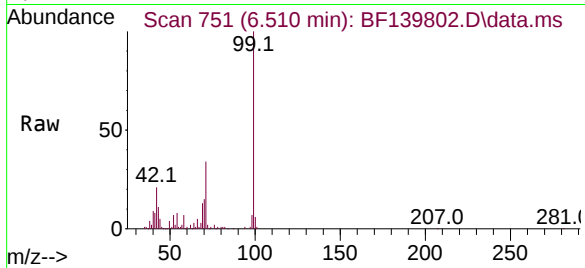




#7
Phenol-d6
Concen: 20.317 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

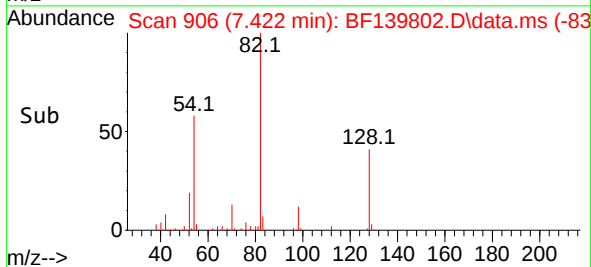
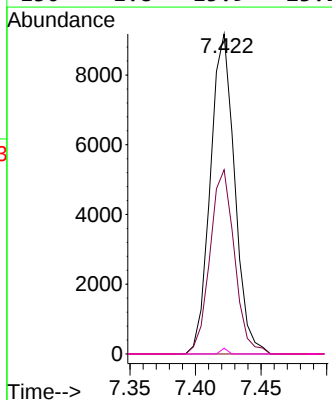
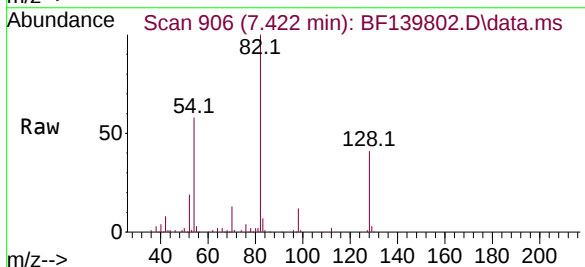
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

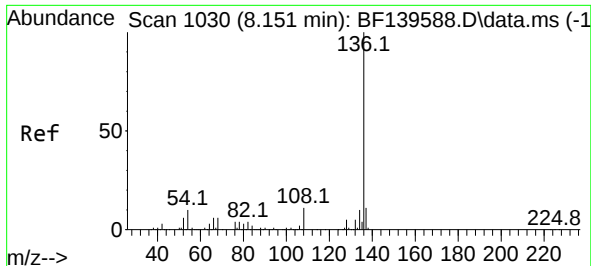
Tgt Ion: 99 Resp: 146449
Ion Ratio Lower Upper
99 100
42 21.0 19.1 28.7
71 33.8 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.549 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion: 70 Resp: 11811
Ion Ratio Lower Upper
70 100
42 57.6 58.0 87.0#
101 0.0 7.8 11.8#
130 1.8 15.9 23.9#



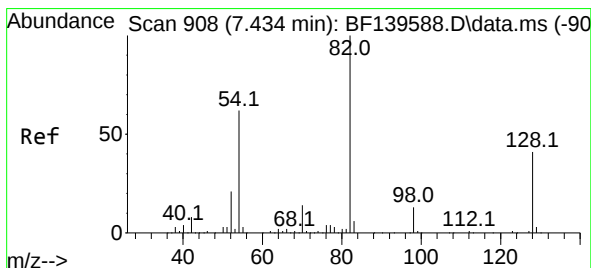
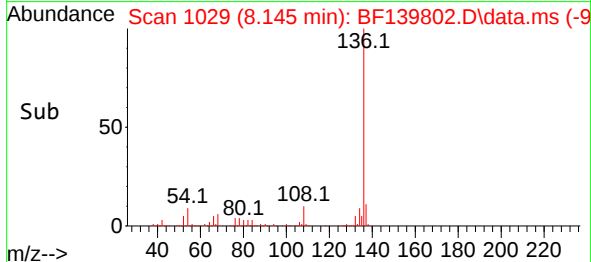
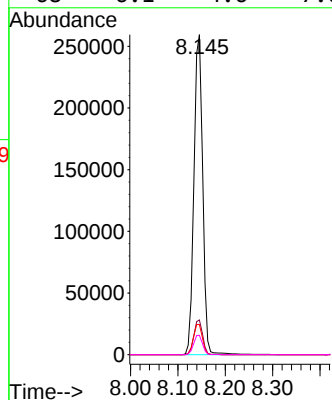
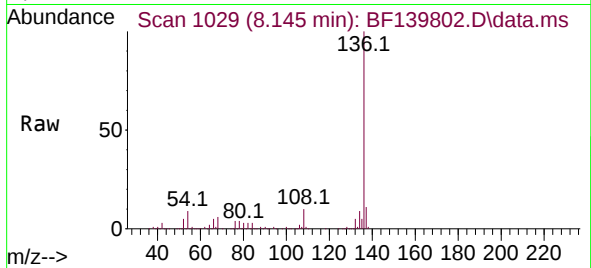


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

Tgt Ion:136 Resp: 333414

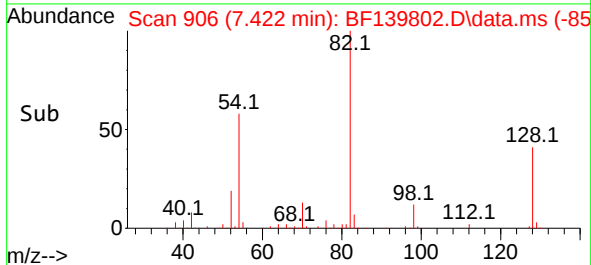
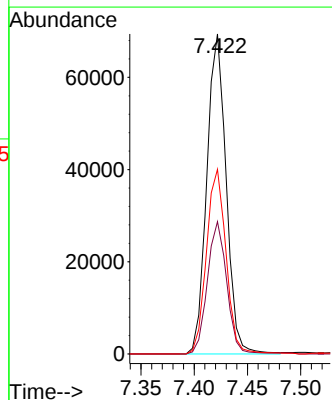
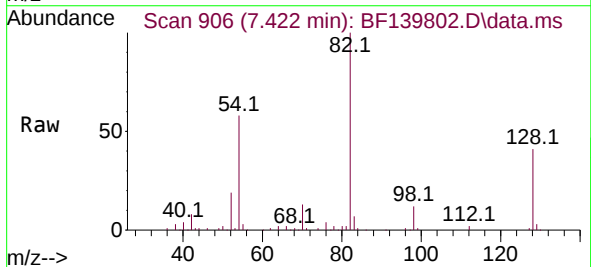
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.4	8.3	12.5
68	6.1	4.6	7.0

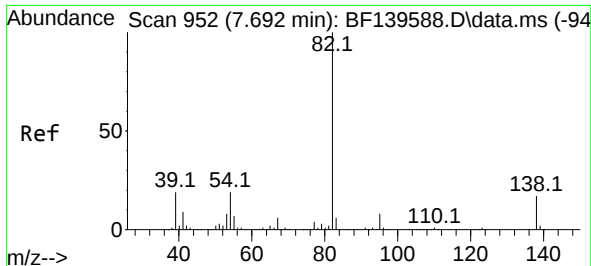


#23
Nitrobenzene-d5
Concen: 13.332 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion: 82 Resp: 87793

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.4	48.6
54	57.7	49.1	73.7

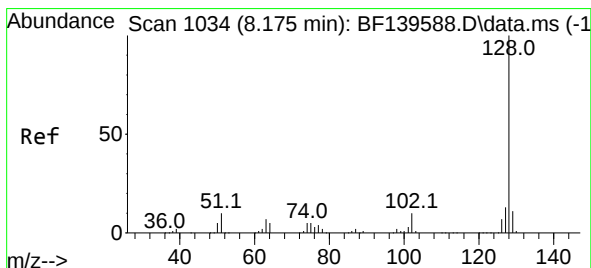
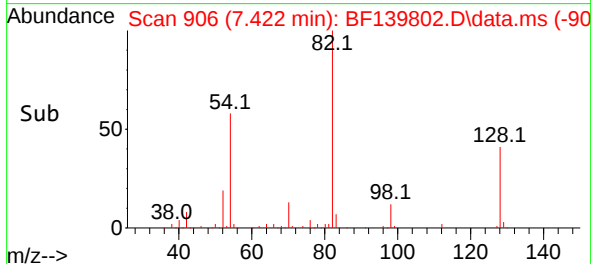
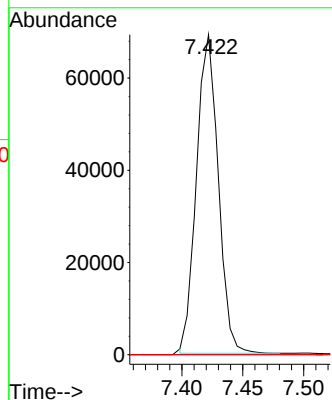
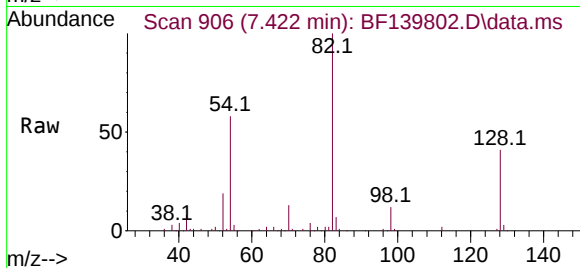




#25
Isophorone
Concen: 7.337 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

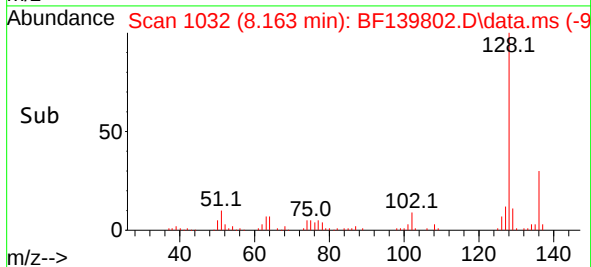
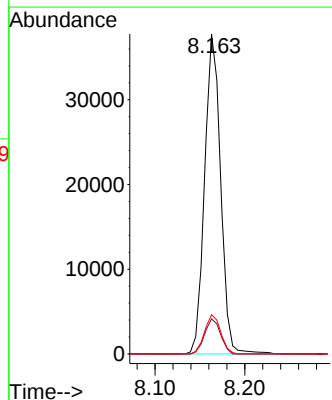
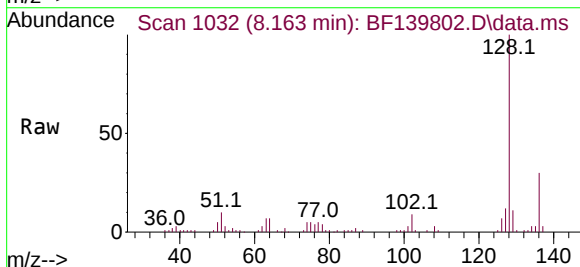
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

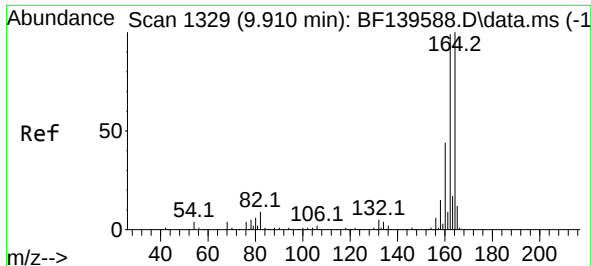
Tgt Ion: 82 Resp: 85818
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 2.740 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion: 128 Resp: 46713
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.3 10.5 15.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

Instrument :

BNA_F

ClientSampleId :

SB-04-0.167-0.667

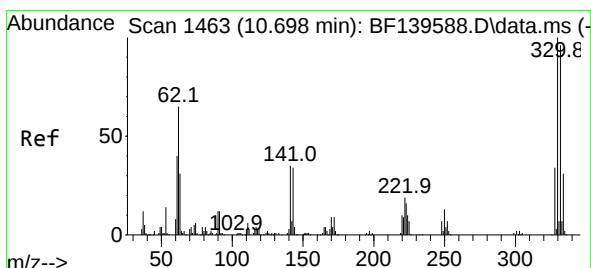
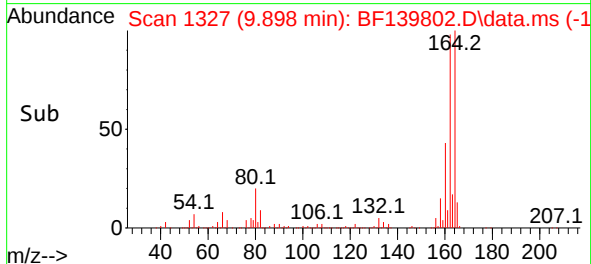
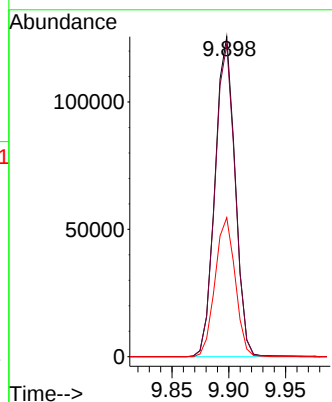
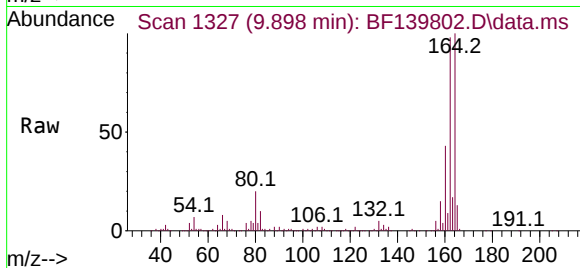
Tgt Ion:164 Resp: 154068

Ion Ratio Lower Upper

164 100

162 97.6 79.4 119.0

160 43.5 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 15.747 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

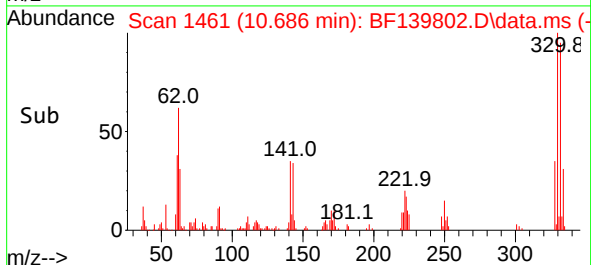
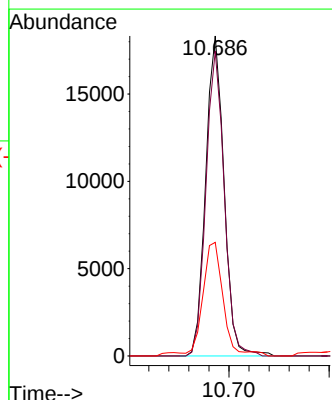
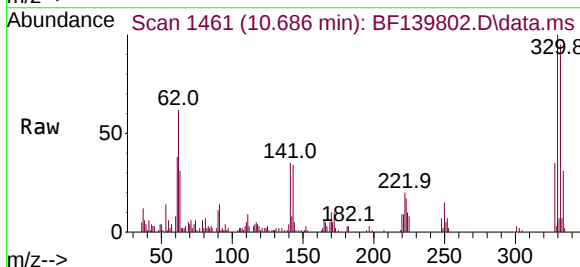
Tgt Ion:330 Resp: 23420

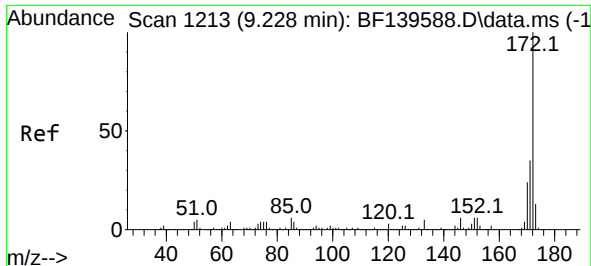
Ion Ratio Lower Upper

330 100

332 94.6 76.5 114.7

141 40.1 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 15.845 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

Instrument :

BNA_F

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SB-04-0.167-0.667

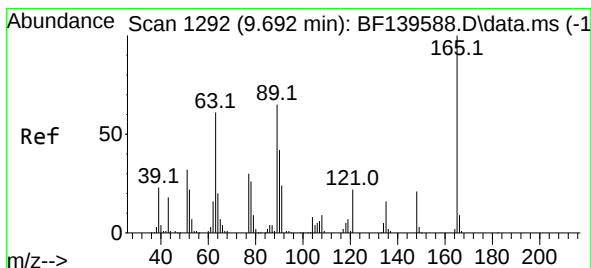
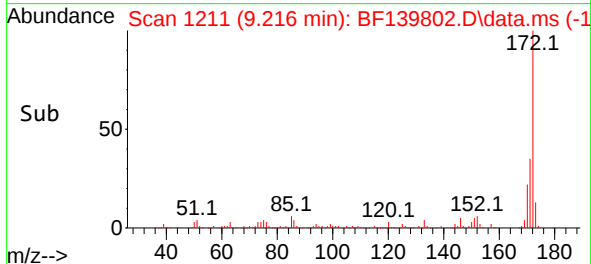
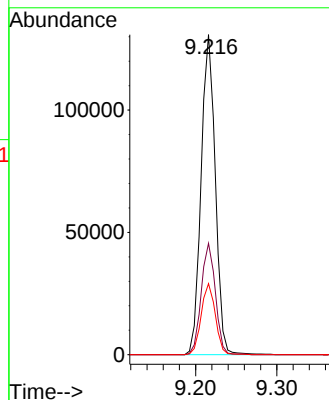
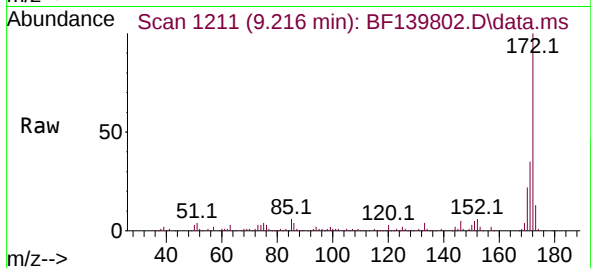
Tgt Ion:172 Resp: 159016

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.031 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

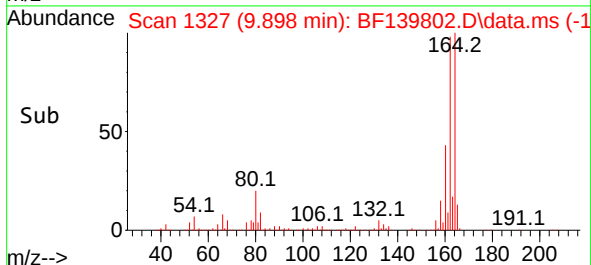
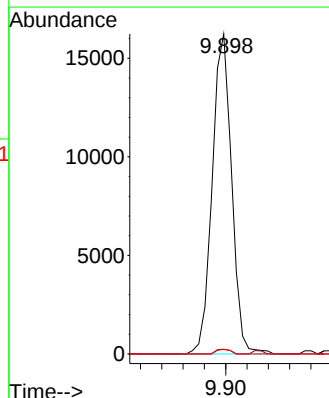
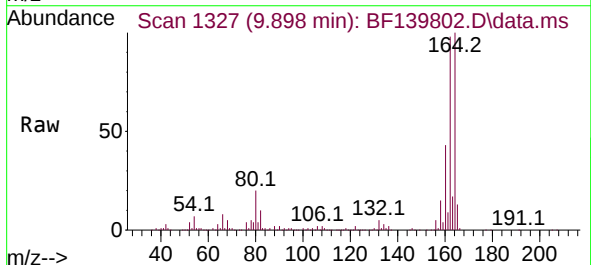
Tgt Ion:165 Resp: 20574

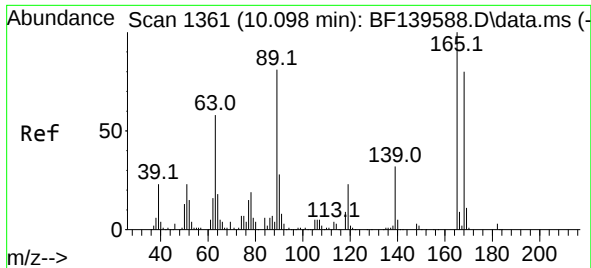
Ion Ratio Lower Upper

165 100

63 1.5 56.7 85.1#

89 1.4 51.6 77.4#

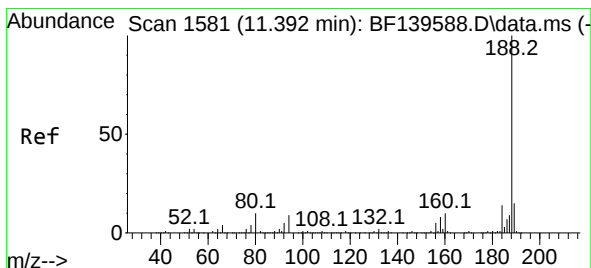
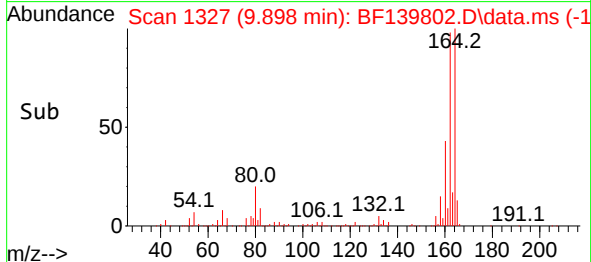
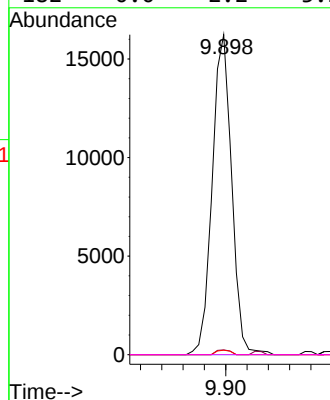
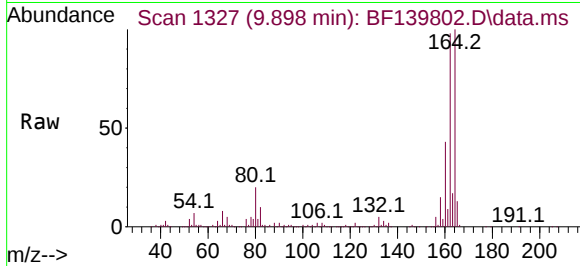




#57
2,4-Dinitrotoluene
Concen: 6.909 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

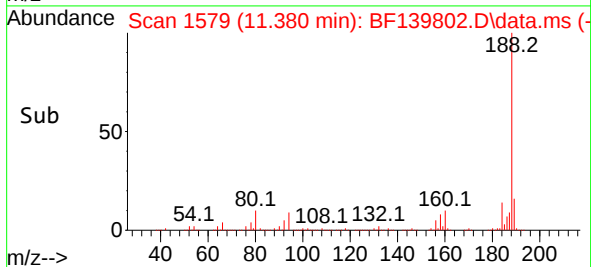
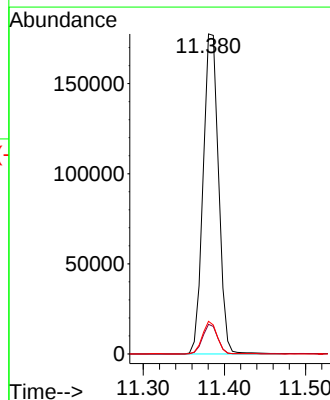
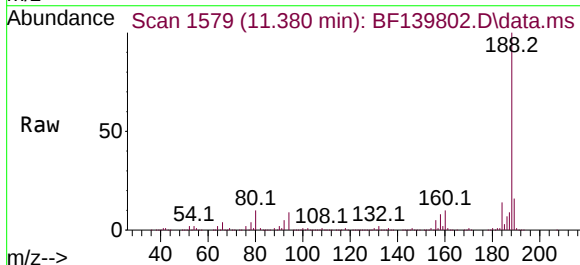
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

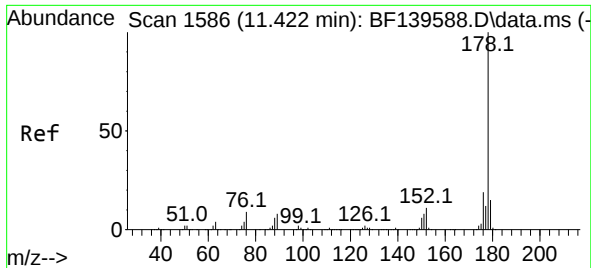
Tgt Ion:	165	Resp:	20574
Ion Ratio	Lower	Upper	
165	100		
63	1.5	46.9	70.3#
89	1.4	64.4	96.6#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion:	188	Resp:	234425
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.4	11.2
80	10.2	8.2	12.2

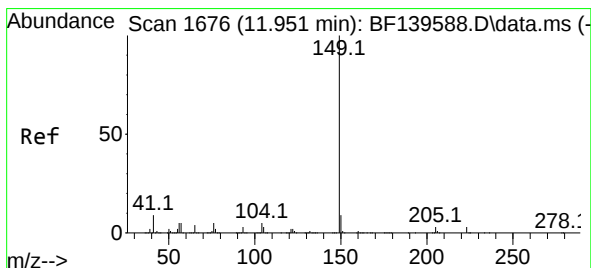
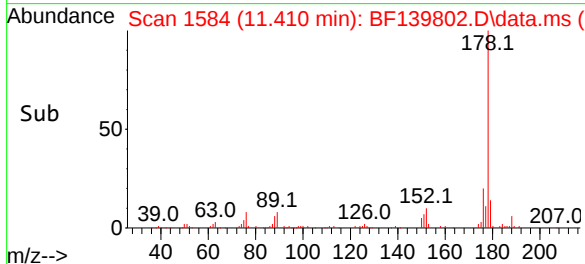
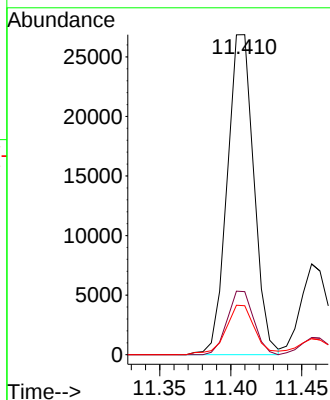
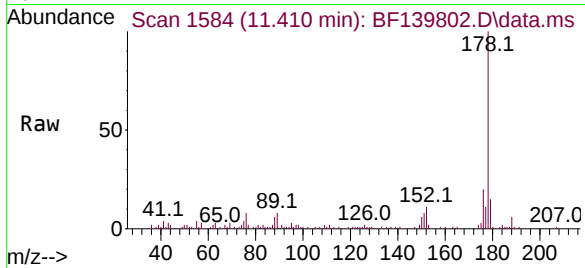




#71
Phenanthrene
Concen: 3.180 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

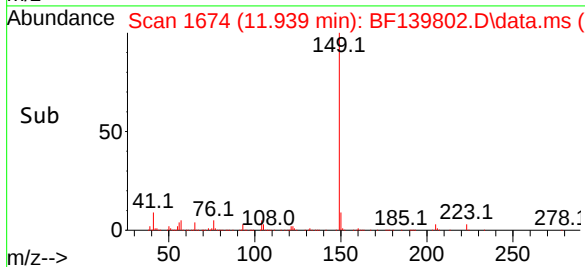
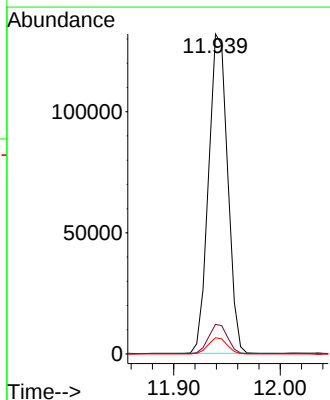
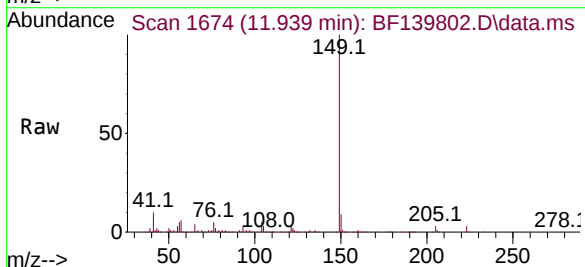
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

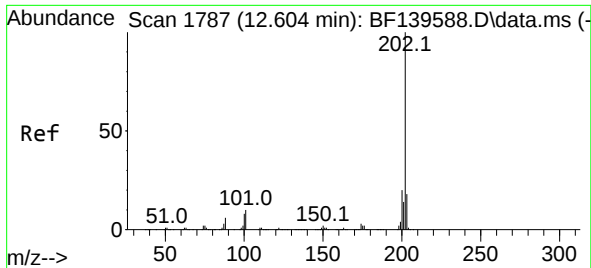
Tgt Ion:178 Resp: 35153
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.3 12.3 18.5



#74
Di-n-butylphthalate
Concen: 12.832 ng
RT: 11.939 min Scan# 1674
Delta R.T. -0.012 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion:149 Resp: 163879
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 5.1 4.1 6.1

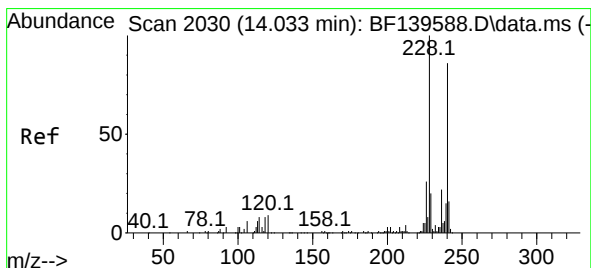
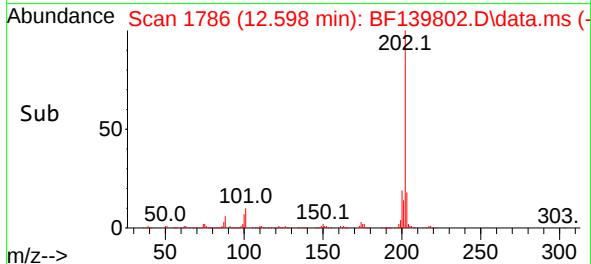
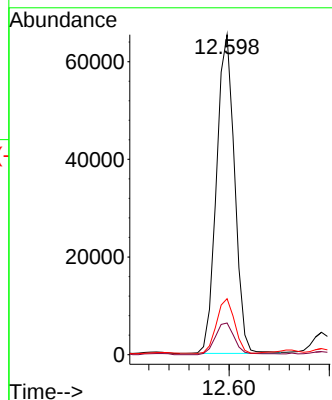
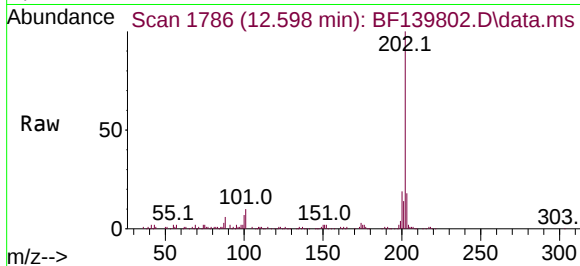




#75
Fluoranthene
Concen: 6.775 ng
RT: 12.598 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

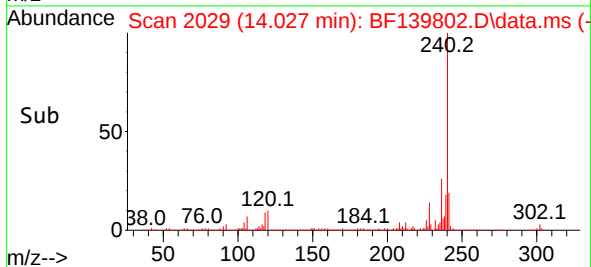
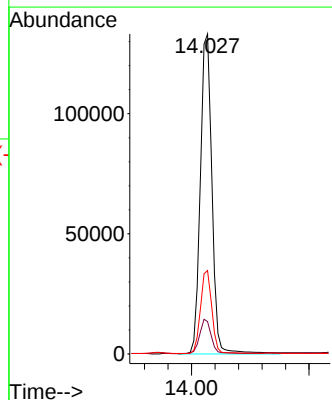
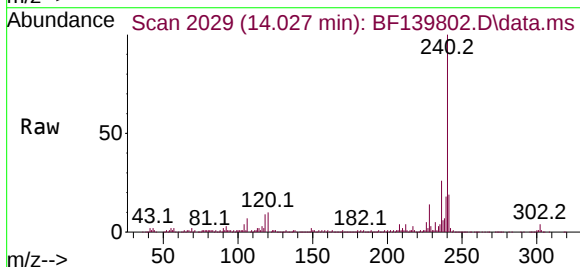
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

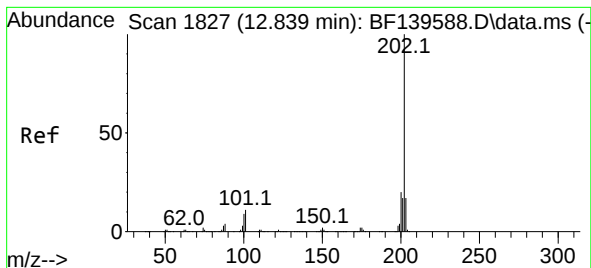
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.5	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.4	12.6
236	26.0	20.3	30.5





#78

Pyrene

Concen: 5.379 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

Instrument :

BNA_F

ClientSampleId :

SB-04-0.167-0.667

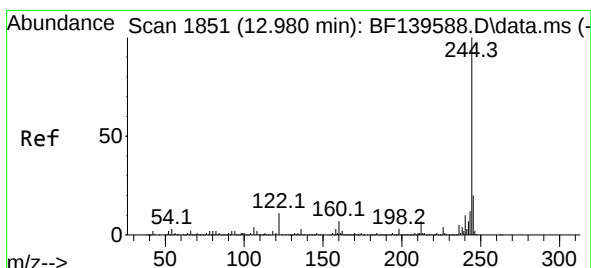
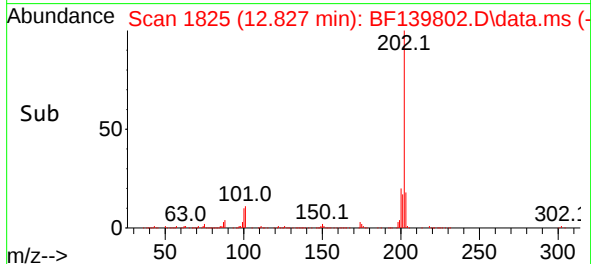
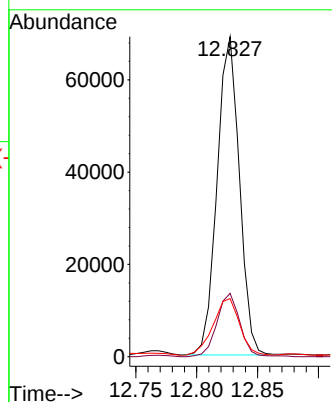
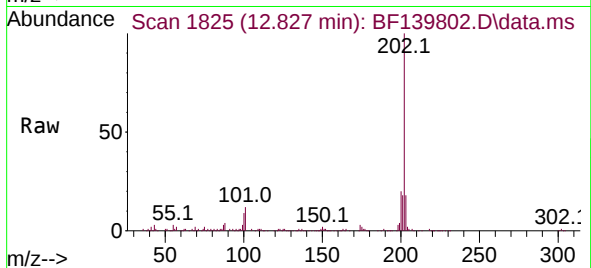
Tgt Ion:202 Resp: 88013

Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.6

203 18.2 13.8 20.8



#79

Terphenyl-d14

Concen: 11.429 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.011 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

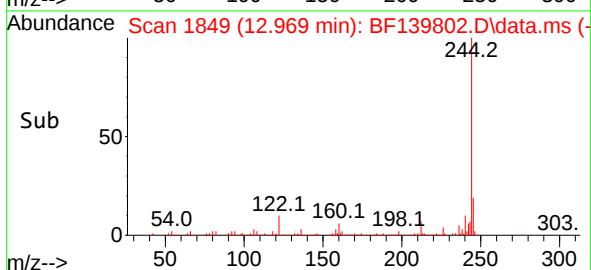
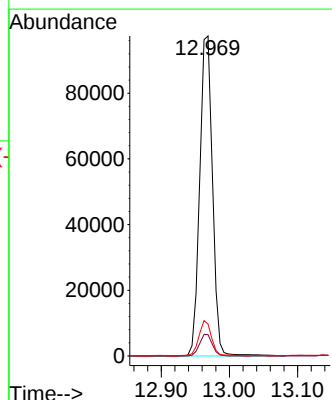
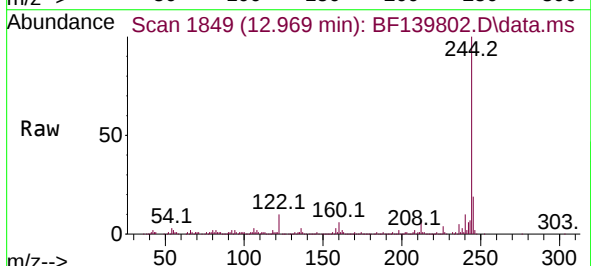
Tgt Ion:244 Resp: 127421

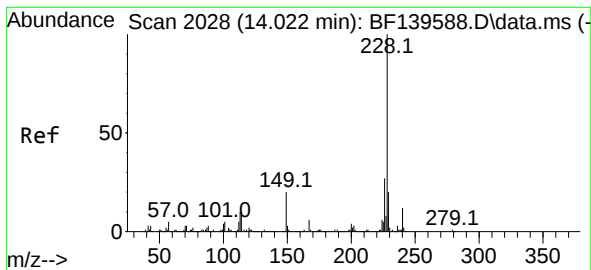
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 9.9 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.661 ng

RT: 14.051 min Scan# 2028

Delta R.T. 0.029 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

Instrument :

BNA_F

ClientSampleId :

SB-04-0.167-0.667

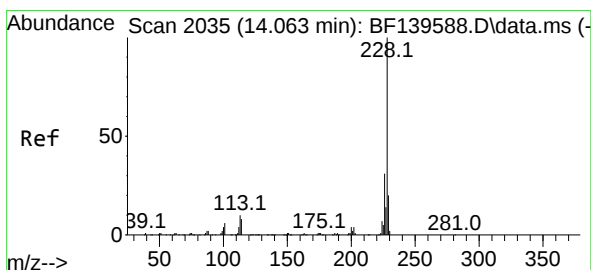
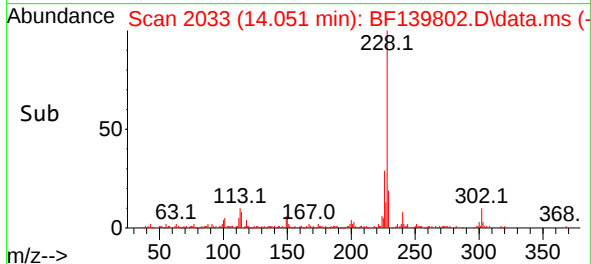
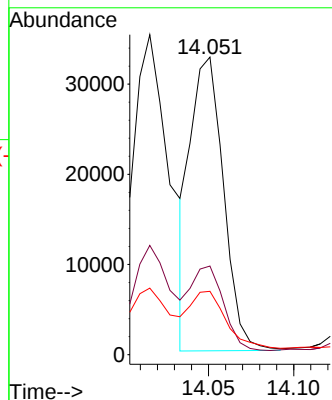
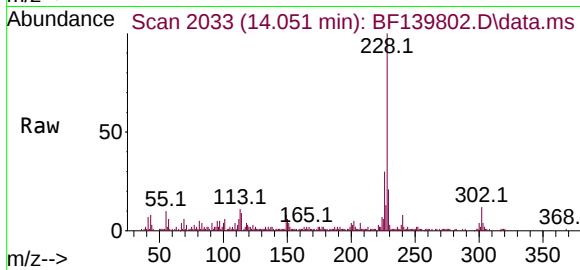
Tgt Ion:228 Resp: 44024

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.8

229 21.3 15.8 23.8



#83

Chrysene

Concen: 4.004 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

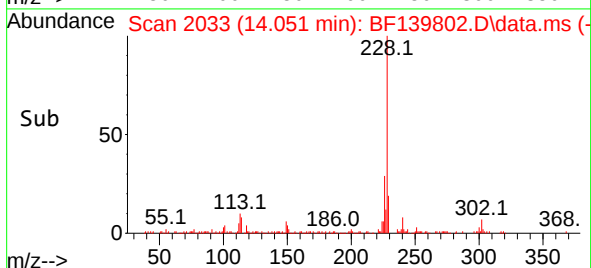
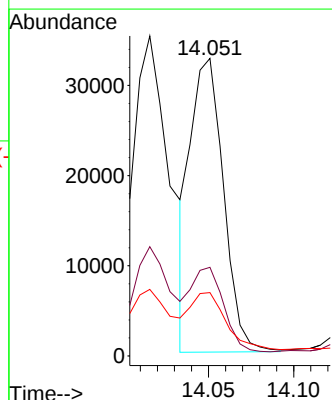
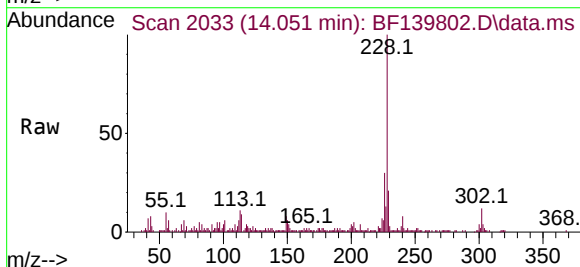
Tgt Ion:228 Resp: 44024

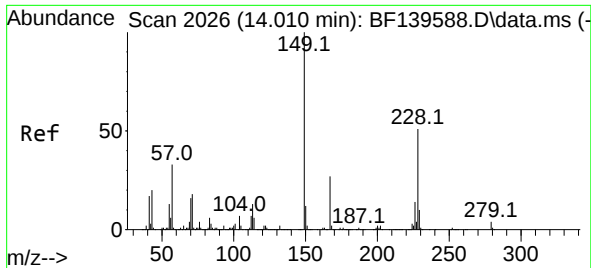
Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.3 15.7 23.5

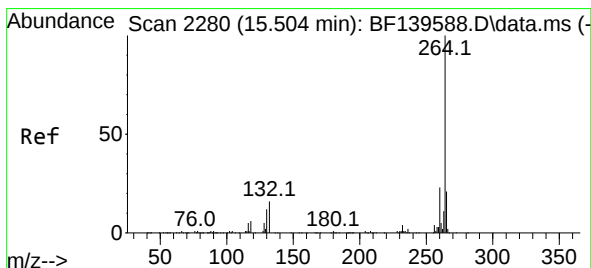
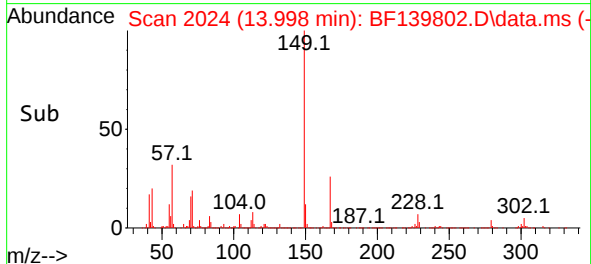
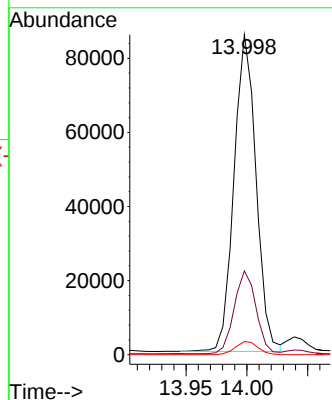
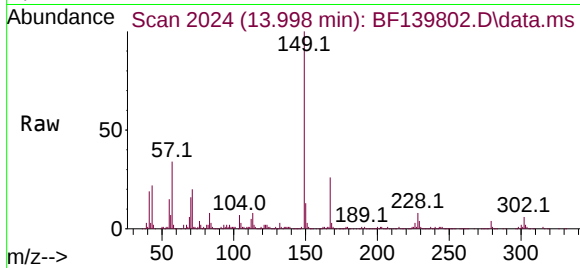




#84
Bis(2-ethylhexyl)phthalate
Concen: 14.732 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

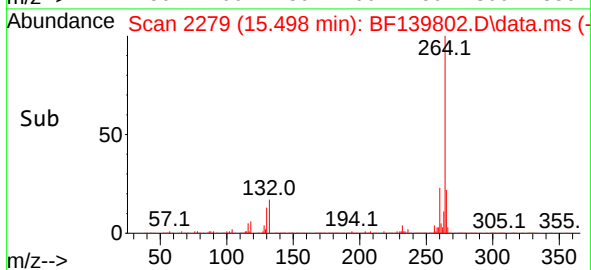
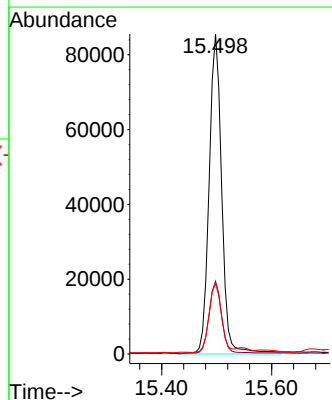
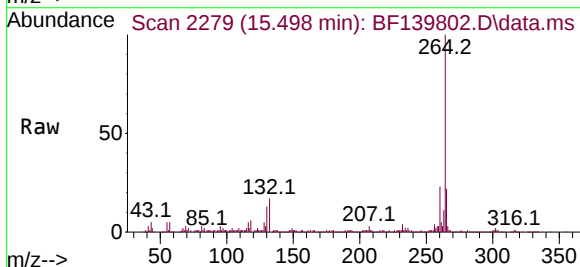
Instrument :
BNA_F
ClientSampleId :
SB-04-0.167-0.667

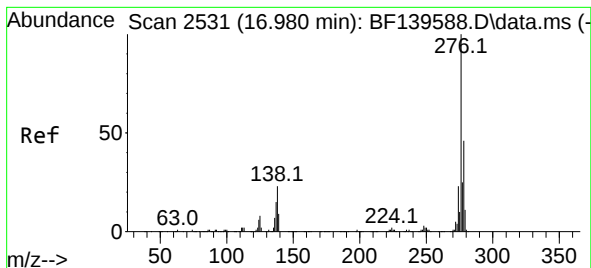
Tgt Ion:149 Resp: 107655
Ion Ratio Lower Upper
149 100
167 26.2 21.7 32.5
279 4.1 3.2 4.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF139802.D
Acq: 14 Oct 2024 21:48

Tgt Ion:264 Resp: 136364
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 22.1 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.784 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

Instrument :

BNA_F

ClientSampleId :

SB-04-0.167-0.667

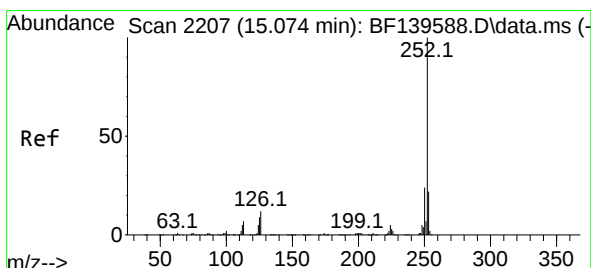
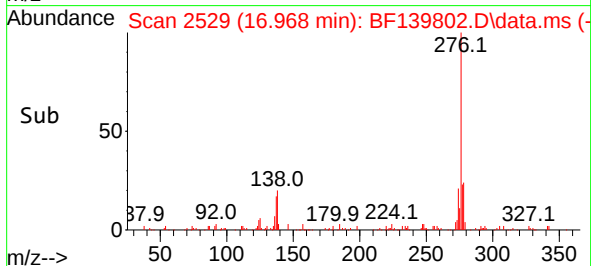
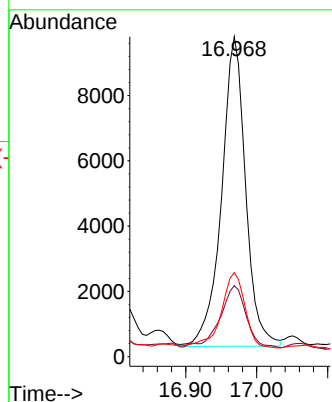
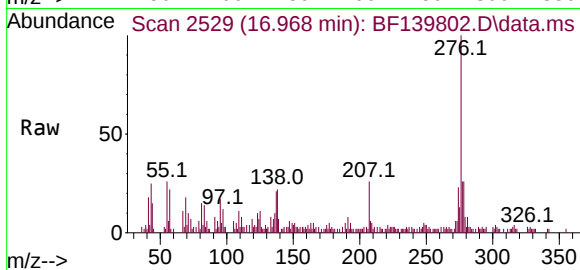
Tgt Ion:276 Resp: 22346

Ion Ratio Lower Upper

276 100

138 21.5 19.4 29.0

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 9.401 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

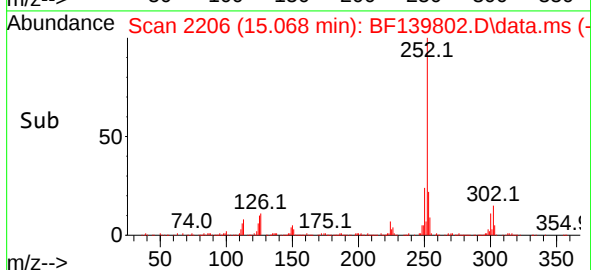
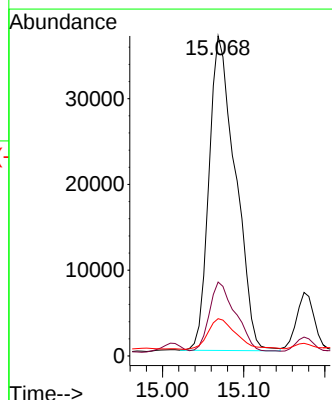
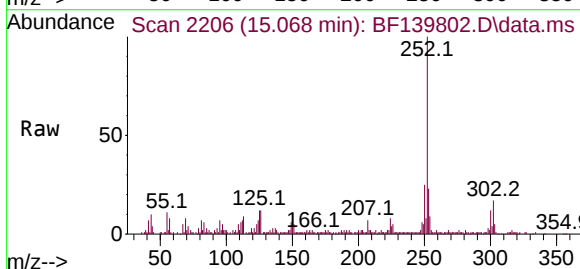
Tgt Ion:252 Resp: 82892

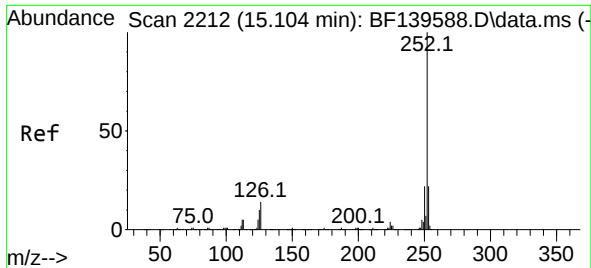
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 11.083 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

Instrument :

BNA_F

ClientSampleId :

SB-04-0.167-0.667

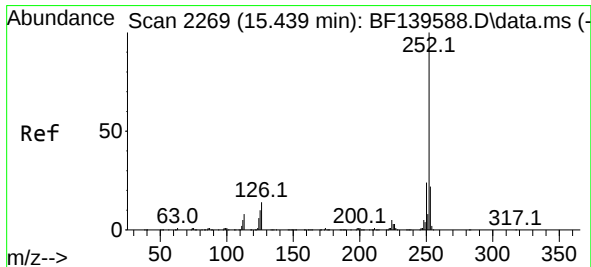
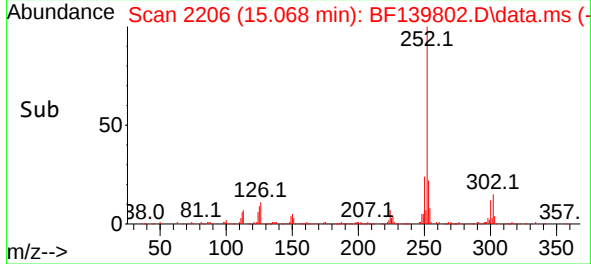
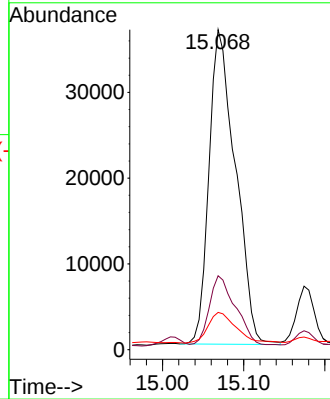
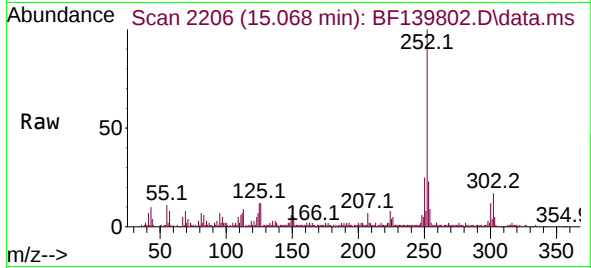
Tgt Ion:252 Resp: 82892

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.7 7.6 11.4#



#90

Benzo(a)pyrene

Concen: 5.682 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF139802.D

Acq: 14 Oct 2024 21:48

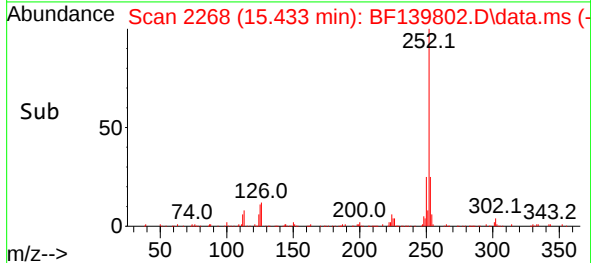
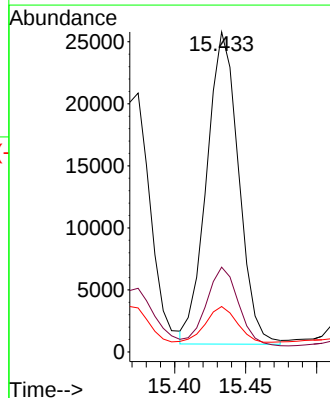
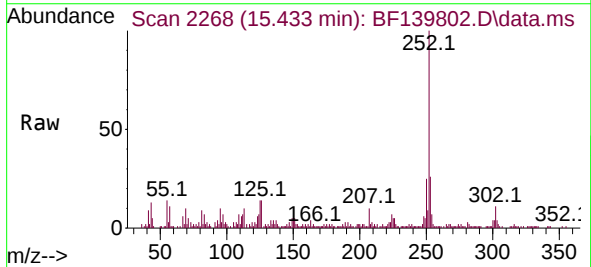
Tgt Ion:252 Resp: 39504

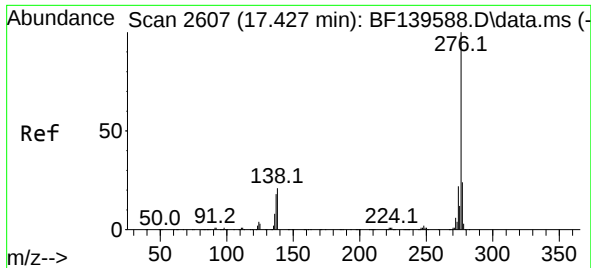
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

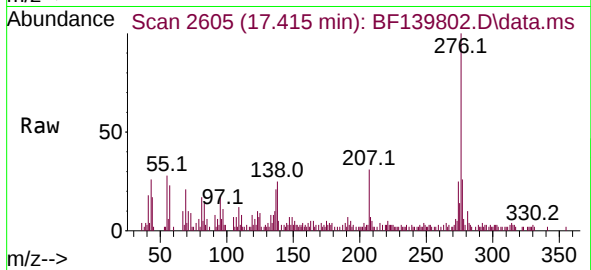
125 14.2 8.3 12.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.102 ng
 RT: 17.415 min Scan# 207
 Delta R.T. -0.012 min
 Lab File: BF139802.D
 Acq: 14 Oct 2024 21:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0.167-0.667



Tgt Ion:	276	Resp:	20707
Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.6
138	24.7	17.0	25.6

