

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136435.D
 Acq On : 06 Dec 2023 18:48
 Operator : CG\JU
 Sample : 05463-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 00:54:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

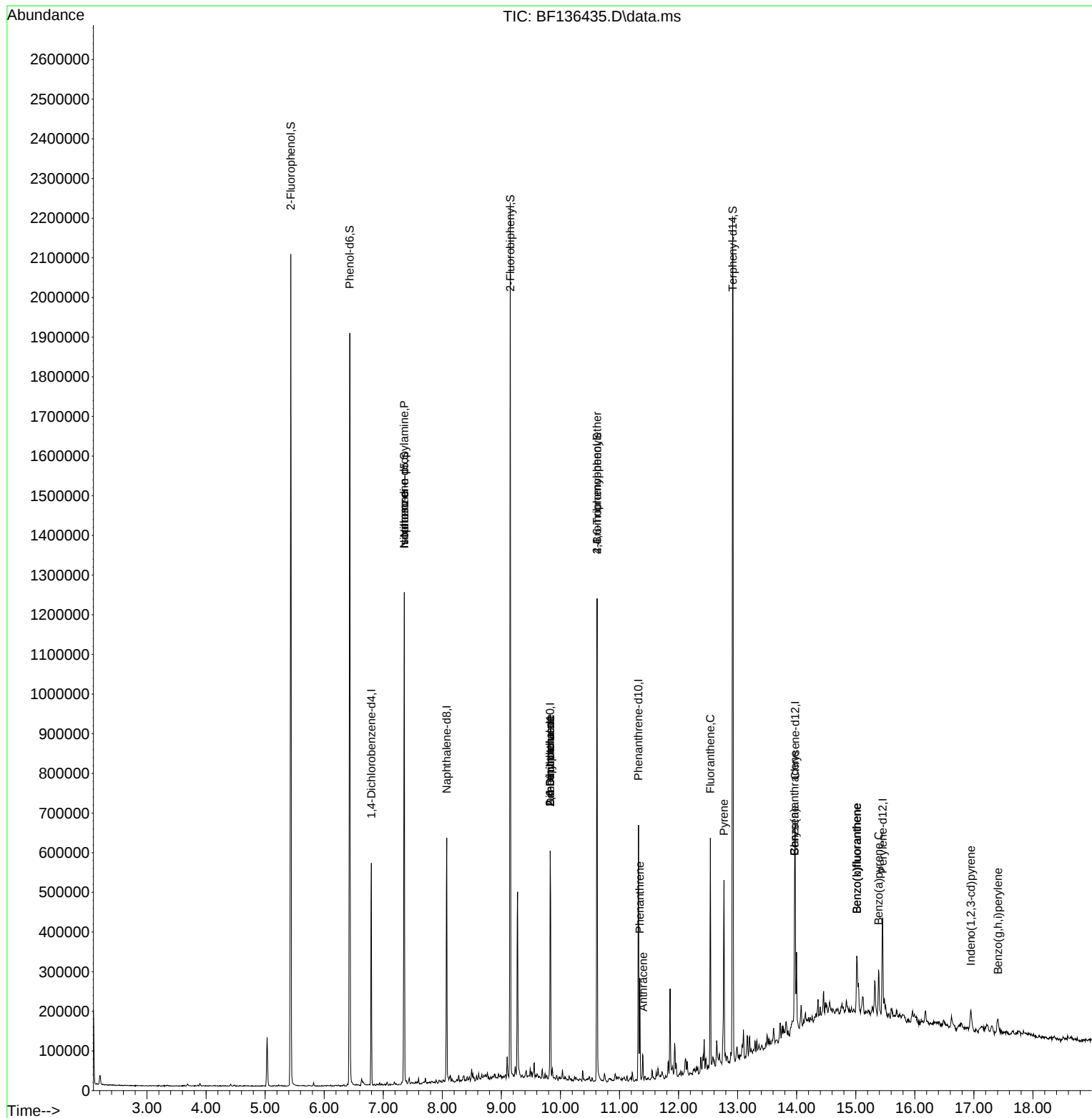
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	79459	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	258424	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	110828	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	216217	20.000	ng	0.00
76) Chrysene-d12	13.974	240	148487	20.000	ng	0.00
86) Perylene-d12	15.457	264	123152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	571892	106.292	ng	0.00
7) Phenol-d6	6.434	99	651082	96.990	ng	-0.01
23) Nitrobenzene-d5	7.357	82	367051	76.784	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	144771	105.942	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	617318	76.003	ng	-0.01
79) Terphenyl-d14	12.916	244	800687	71.073	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	883	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	48491	12.522	ng	# 77
25) Isophorone	7.357	82	366113	42.629	ng	# 65
50) Dimethylphthalate	9.828	163	21239	2.603	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	14567	7.936	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	14567	5.999	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	8953	3.561	ng	# 1
71) Phenanthrene	11.345	178	92300	7.767	ng	97
72) Anthracene	11.398	178	25271	2.111	ng	99
75) Fluoranthene	12.539	202	207171	16.635	ng	99
77) Benzidine	12.674	184	455	Below Cal	#	1
78) Pyrene	12.769	202	184327	12.675	ng	98
81) Benzo(a)anthracene	13.963	228	85496	8.266	ng	98
83) Chrysene	13.963	228	85496	8.402	ng	95
87) Indeno(1,2,3-cd)pyrene	16.951	276	32546	3.804	ng	98
88) Benzo(b)fluoranthene	15.021	252	106192	12.612	ng	# 92
89) Benzo(k)fluoranthene	15.021	252	106192	13.382	ng	# 92
90) Benzo(a)pyrene	15.386	252	55680	8.007	ng	# 93
92) Benzo(g,h,i)perylene	17.409	276	33467	4.652	ng	100

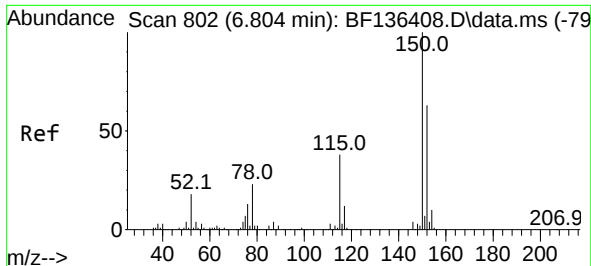
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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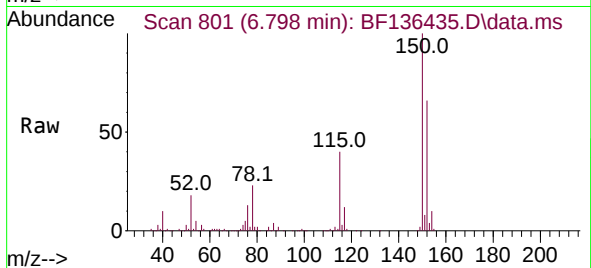
Quant Time: Dec 07 00:54:24 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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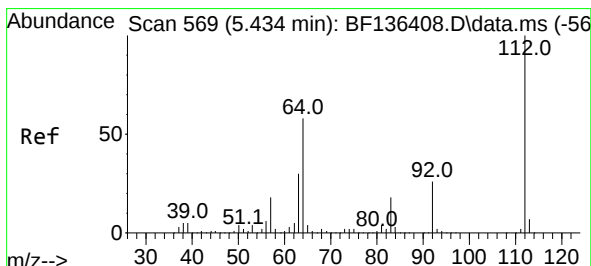
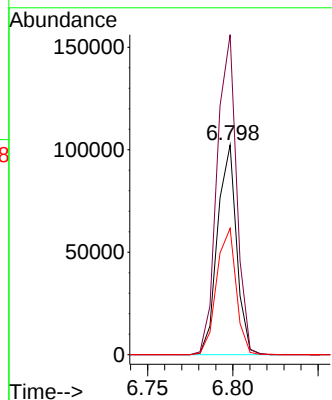
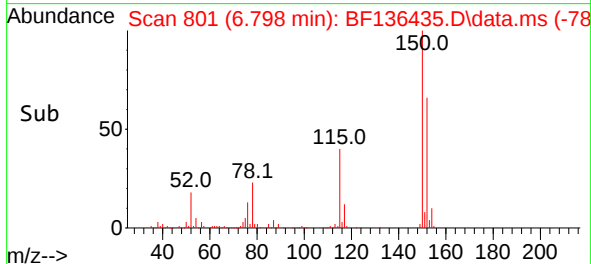


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Instrument :
BNA_F
ClientSampleId :

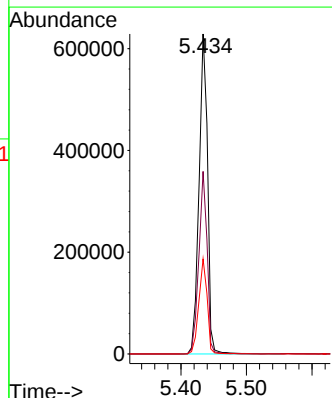
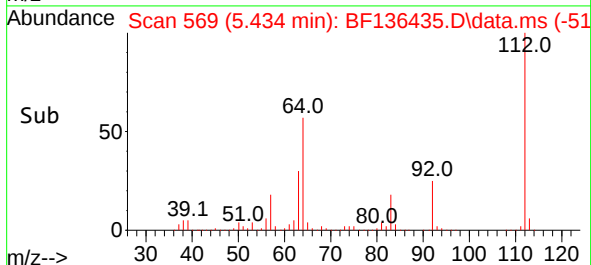
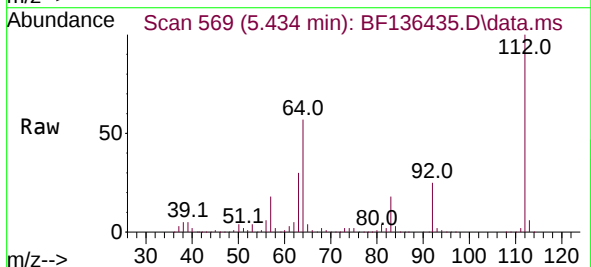


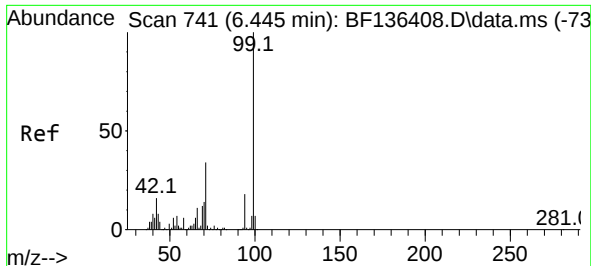
Tgt Ion:152 Resp: 79459
Ion Ratio Lower Upper
152 100
150 152.6 126.4 189.6
115 60.3 48.2 72.4



#5
2-Fluorophenol
Concen: 106.292 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:112 Resp: 571892
Ion Ratio Lower Upper
112 100
64 57.0 46.5 69.7
63 29.7 23.9 35.9



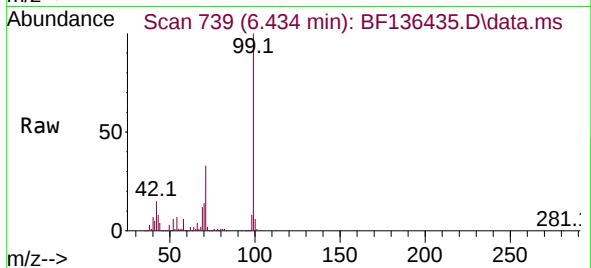


#7
Phenol-d6
Concen: 96.990 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Instrument :

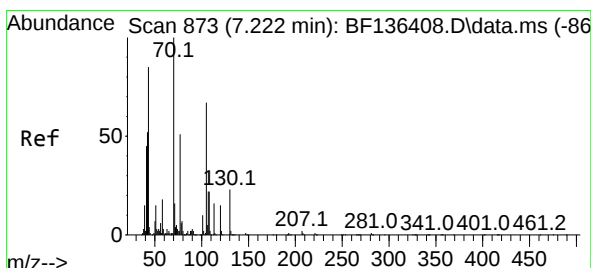
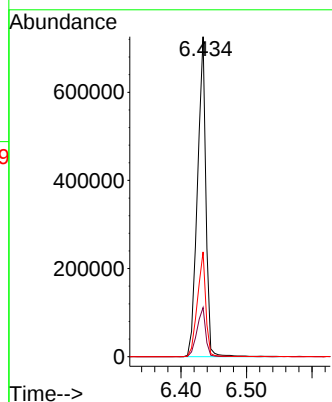
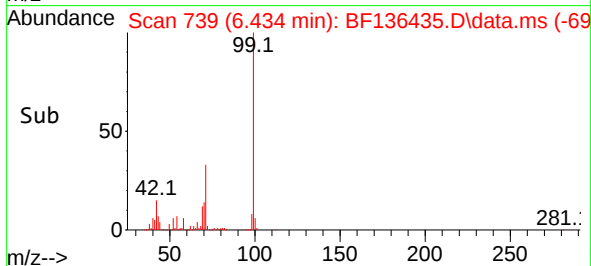
BNA_F

ClientSampleId :



Tgt Ion: 99 Resp: 651082

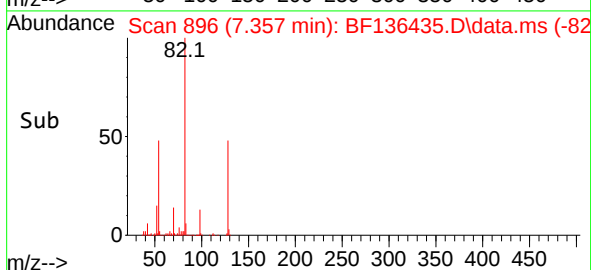
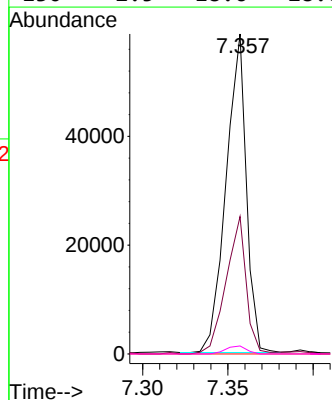
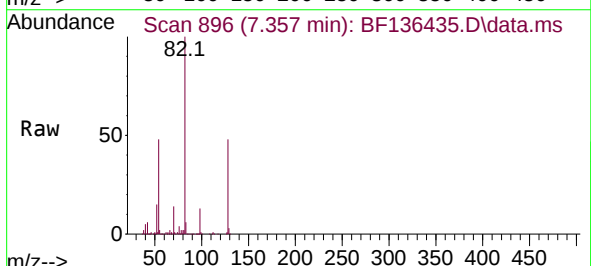
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.8	19.2
71	32.7	27.0	40.4

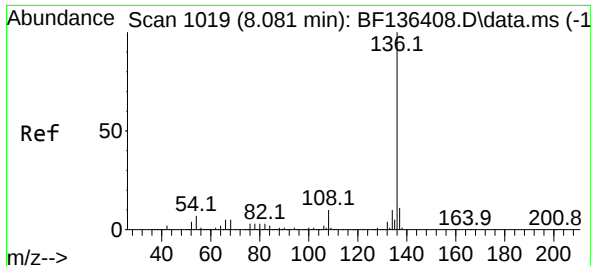


#19
n-Nitroso-di-n-propylamine
Concen: 12.522 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion: 70 Resp: 48491

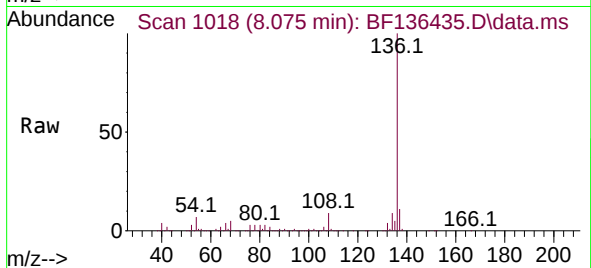
Ion	Ratio	Lower	Upper
70	100		
42	43.0	41.4	62.0
101	0.0	8.2	12.4#
130	2.5	18.6	28.0#



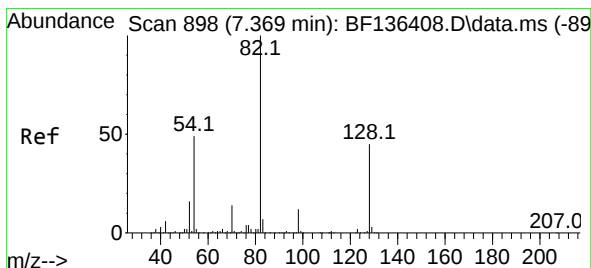
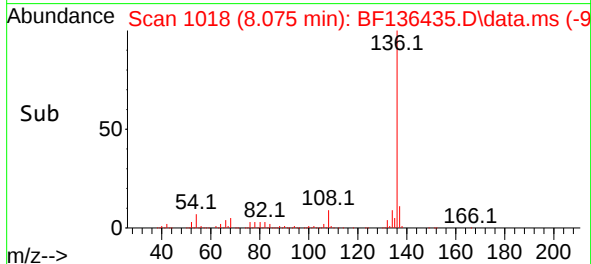
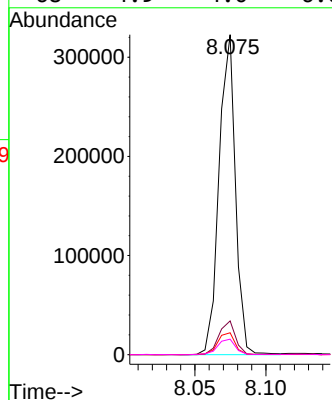


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Instrument :
BNA_F
ClientSampleId :

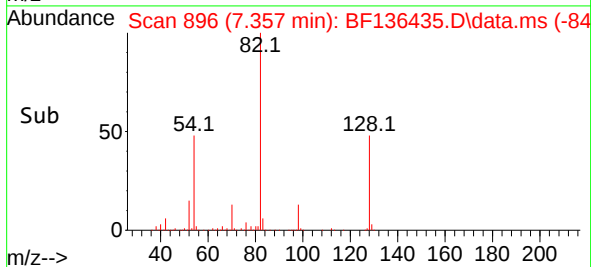
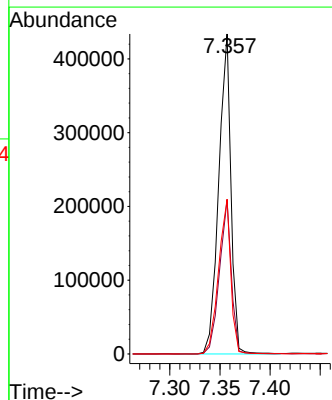
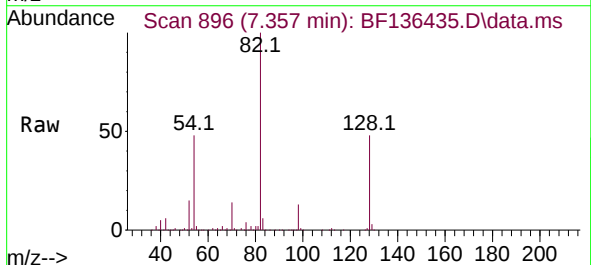


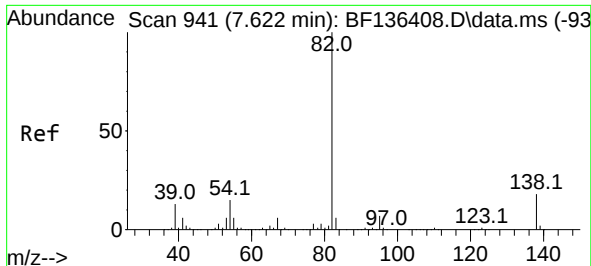
Tgt Ion:136 Resp: 258424
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.9 5.7 8.5
68 4.9 4.0 6.0



#23
Nitrobenzene-d5
Concen: 76.784 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion: 82 Resp: 367051
Ion Ratio Lower Upper
82 100
128 48.2 36.3 54.5
54 48.4 39.0 58.6

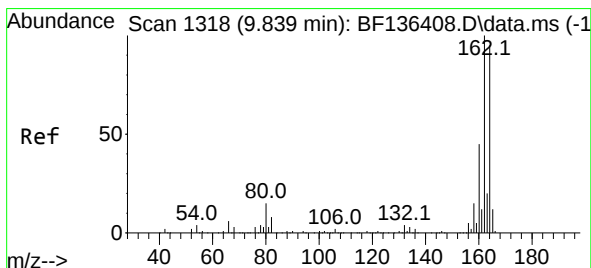
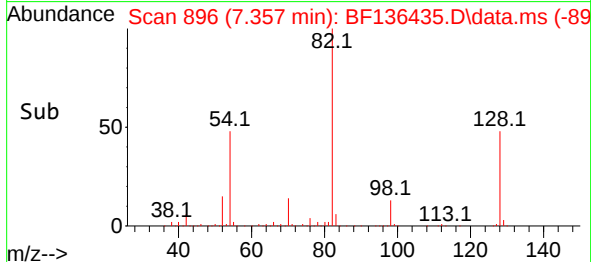
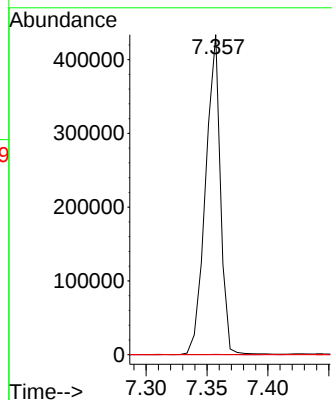
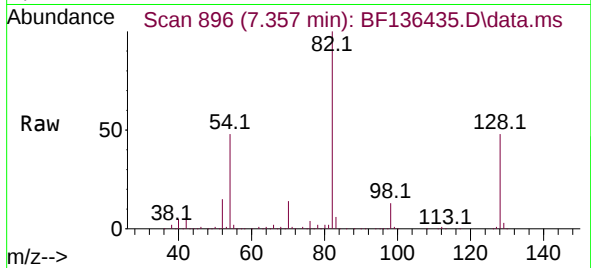




#25
Isophorone
Concen: 42.629 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

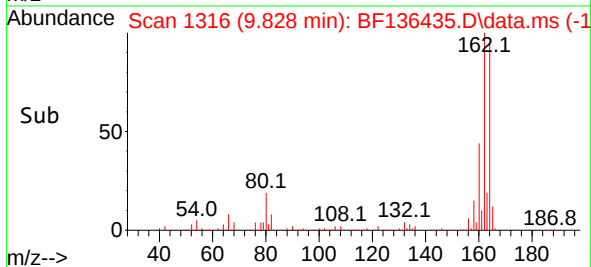
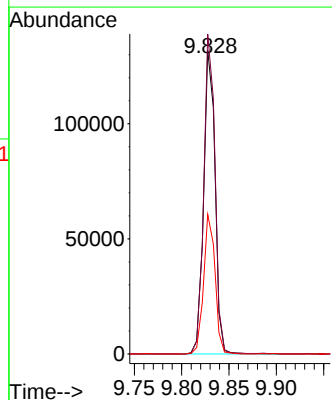
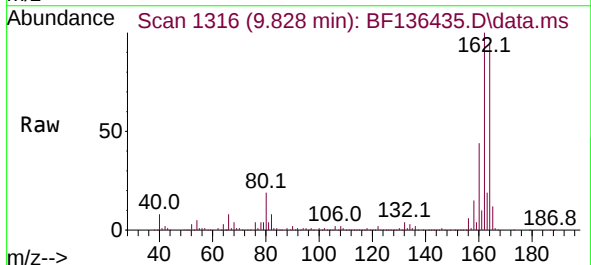
Instrument :
BNA_F
ClientSampleId :

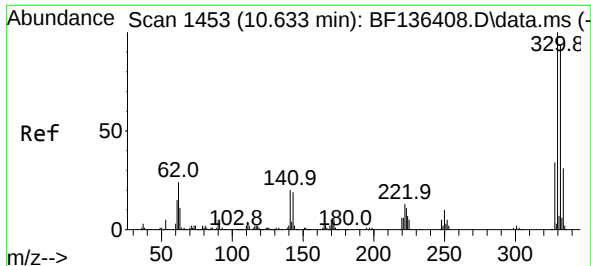
Tgt Ion: 82 Resp: 366113
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:164 Resp: 110828
Ion Ratio Lower Upper
164 100
162 105.4 84.4 126.6
160 45.9 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 105.942 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

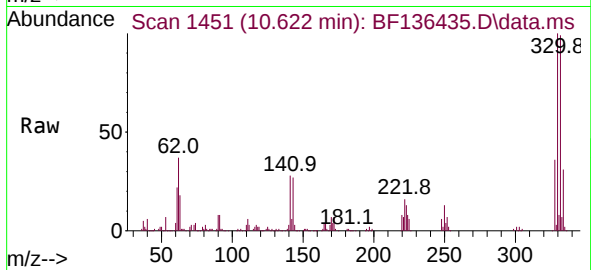
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Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :



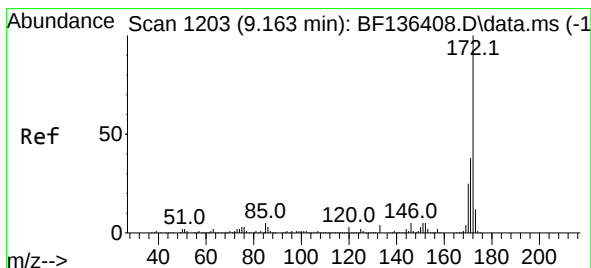
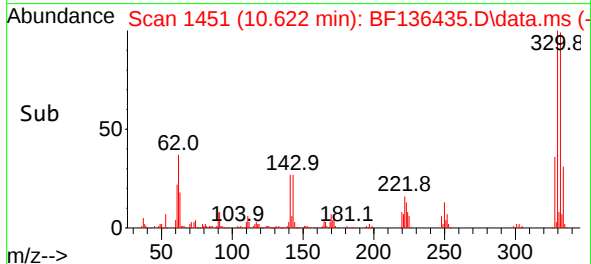
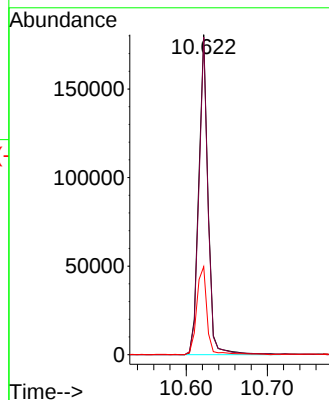
Tgt Ion:330 Resp: 144771

Ion Ratio Lower Upper

330 100

332 97.2 76.4 114.6

141 30.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 76.003 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

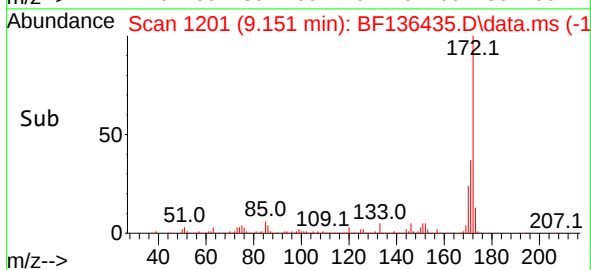
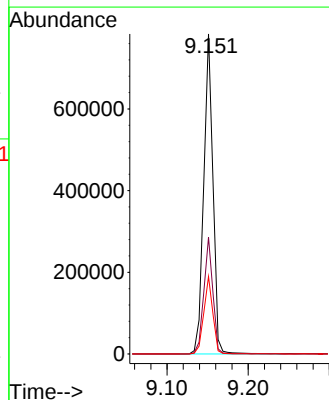
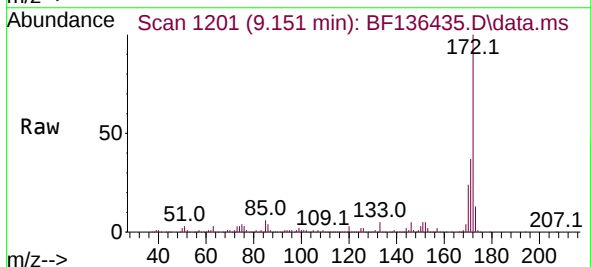
Tgt Ion:172 Resp: 617318

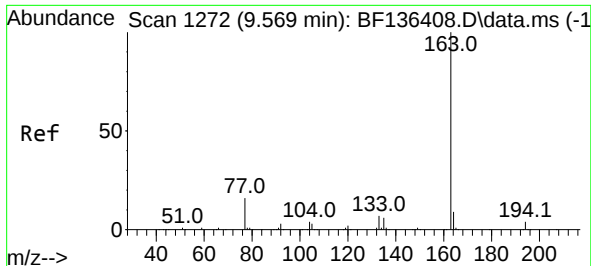
Ion Ratio Lower Upper

172 100

171 36.5 30.5 45.7

170 24.2 19.9 29.9

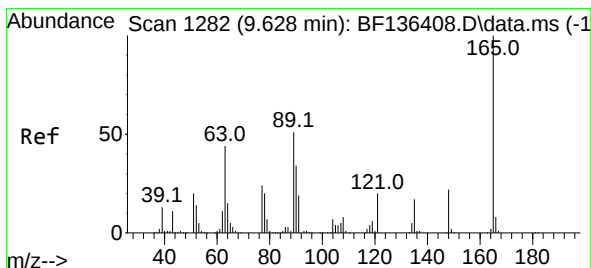
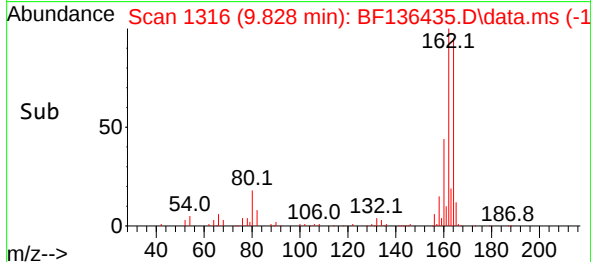
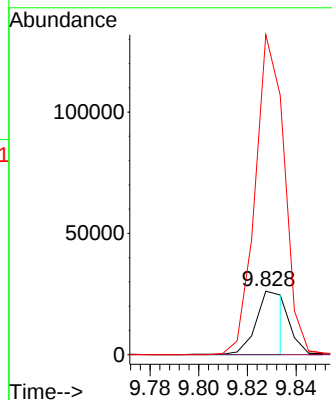
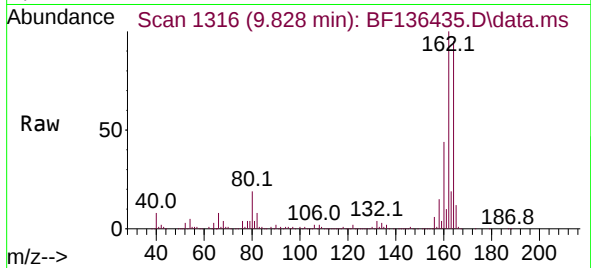




#50
Dimethylphthalate
Concen: 2.603 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

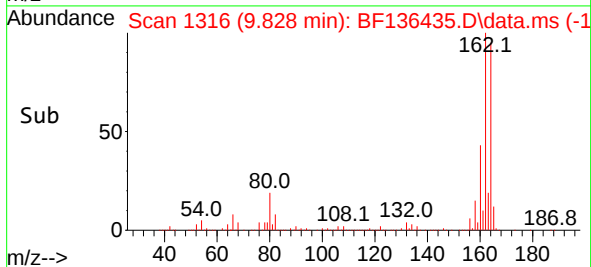
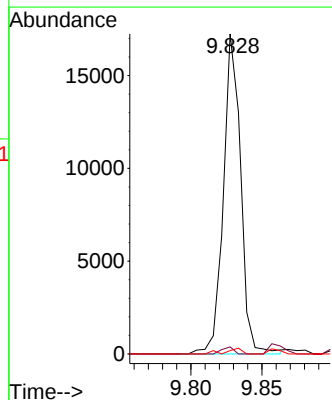
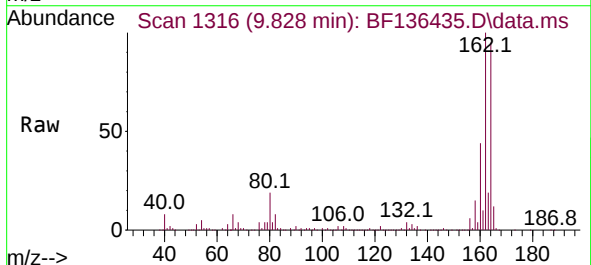
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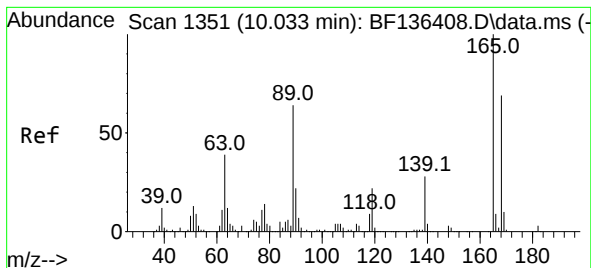
Tgt Ion:163 Resp: 21239
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 503.6 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.936 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

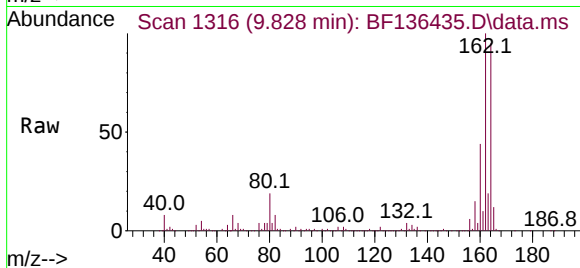
Tgt Ion:165 Resp: 14567
Ion Ratio Lower Upper
165 100
63 2.2 40.4 60.6#
89 1.0 40.6 60.8#



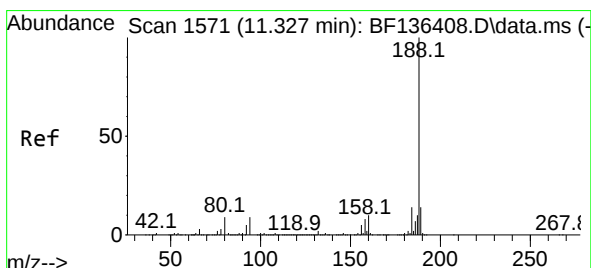
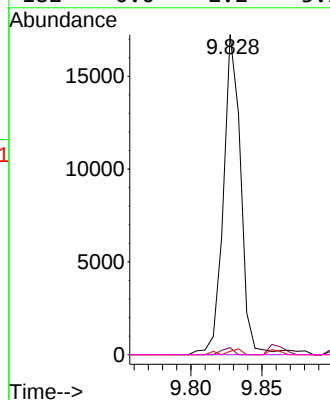
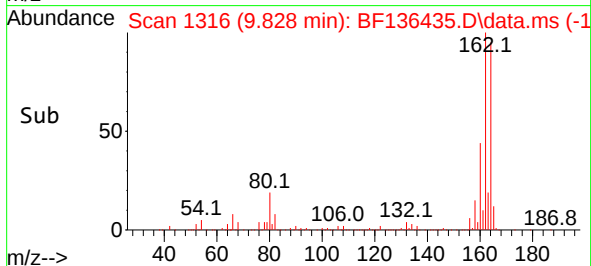


#57
2,4-Dinitrotoluene
Concen: 5.999 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

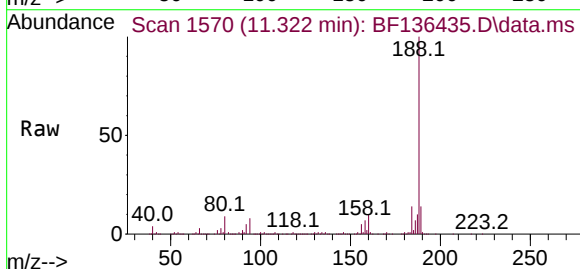
Instrument :
BNA_F
ClientSampleId :



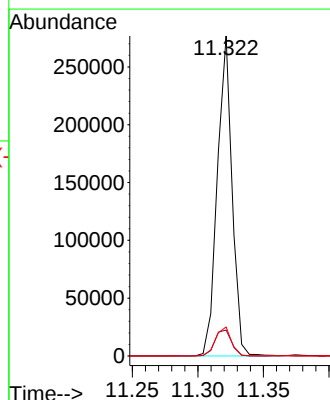
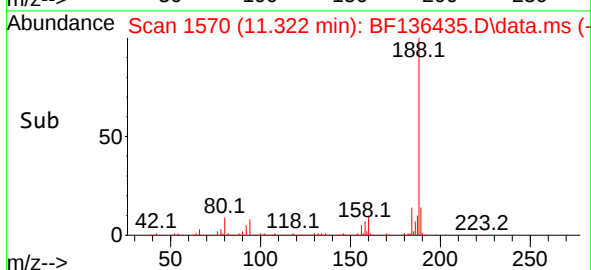
Tgt Ion:165 Resp: 14567
Ion Ratio Lower Upper
165 100
63 2.2 31.4 47.2#
89 1.0 51.7 77.5#
182 0.0 2.2 3.2#

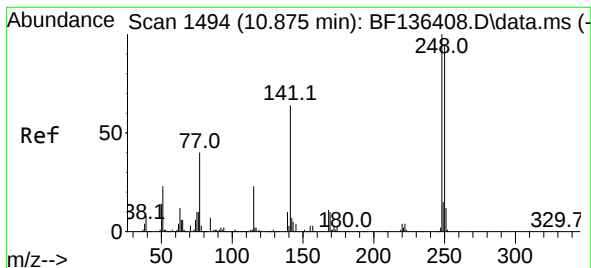


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48



Tgt Ion:188 Resp: 216217
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 9.1 7.2 10.8

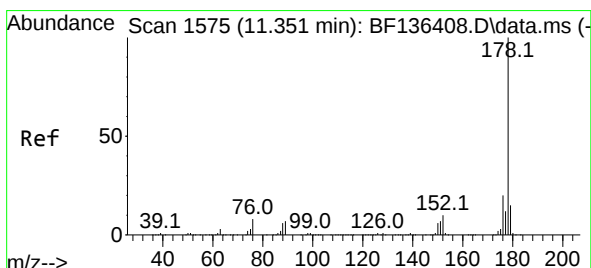
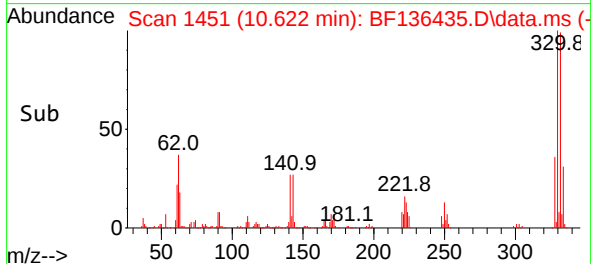
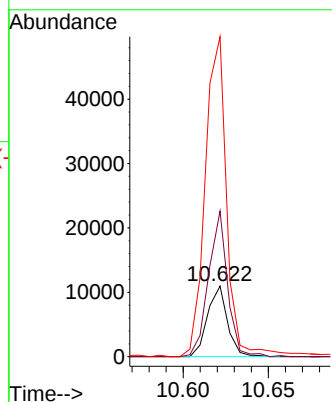
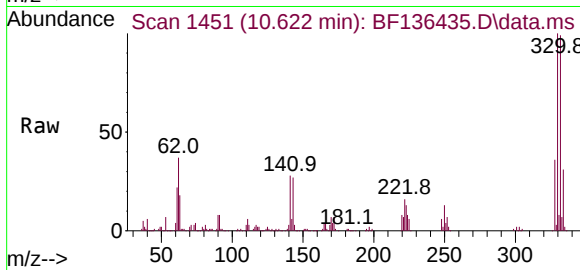




#67
4-Bromophenyl-phenylether
Concen: 3.561 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

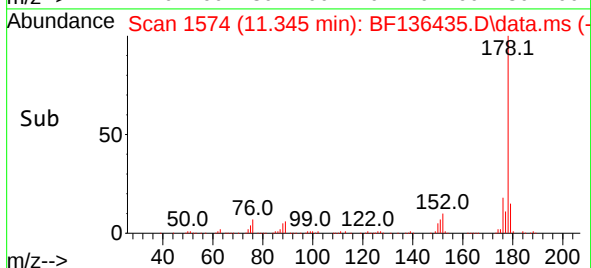
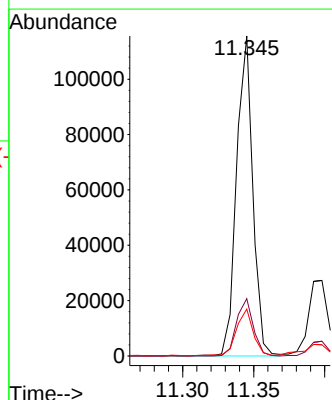
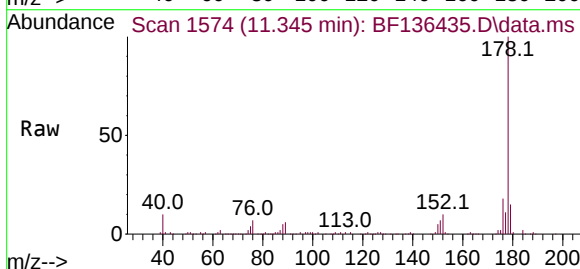
Instrument :
BNA_F
ClientSampleId :

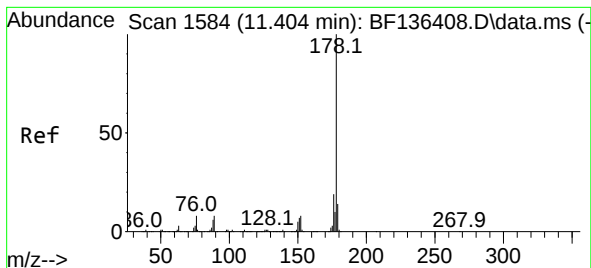
Tgt Ion:248 Resp: 8953
Ion Ratio Lower Upper
248 100
250 206.4 76.2 114.2#
141 453.5 51.0 76.4#



#71
Phenanthrene
Concen: 7.767 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:178 Resp: 92300
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 14.6 11.8 17.6





#72

Anthracene

Concen: 2.111 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

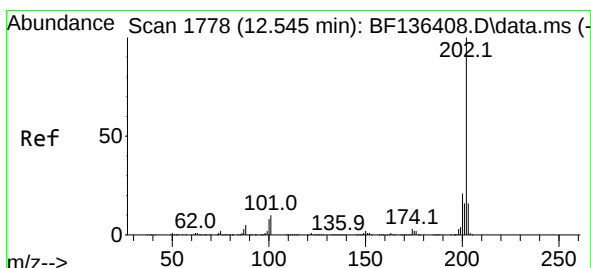
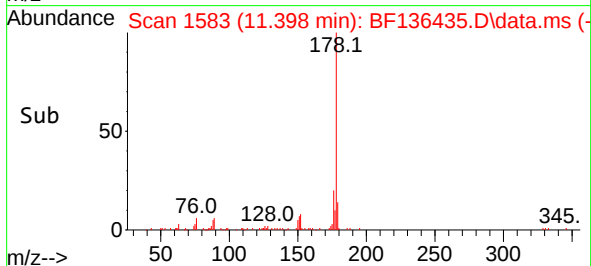
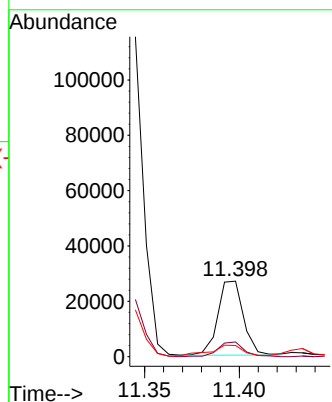
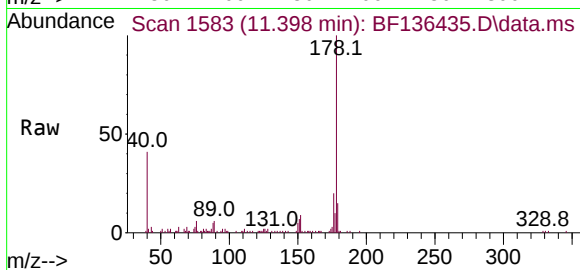
Tgt Ion:178 Resp: 25271

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 14.8 11.4 17.0



#75

Fluoranthene

Concen: 16.635 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

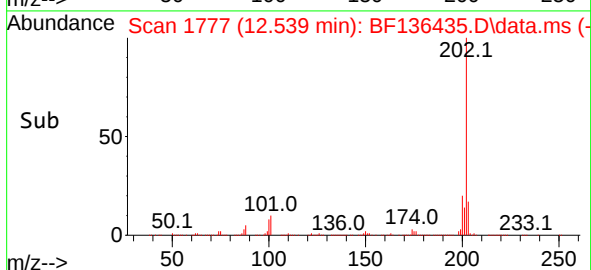
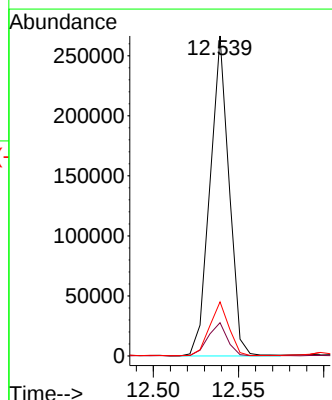
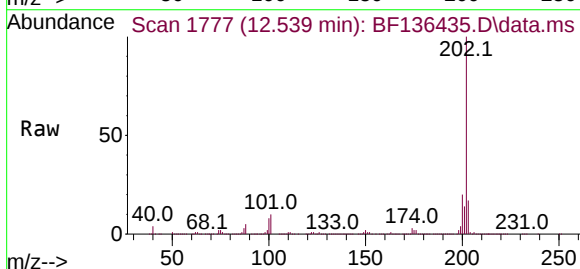
Tgt Ion:202 Resp: 207171

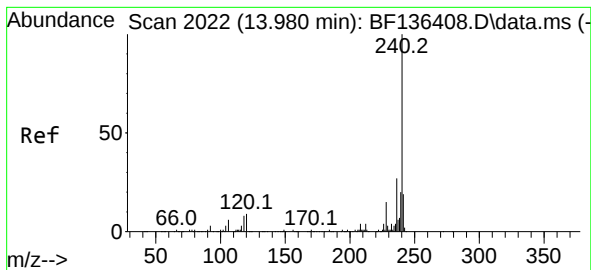
Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.9

203 16.9 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

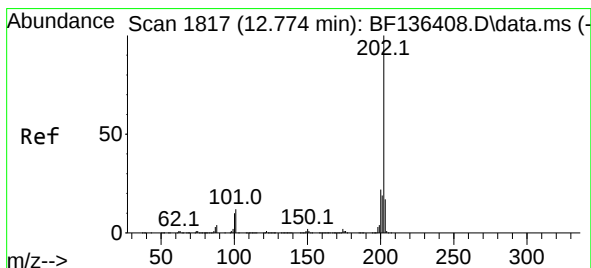
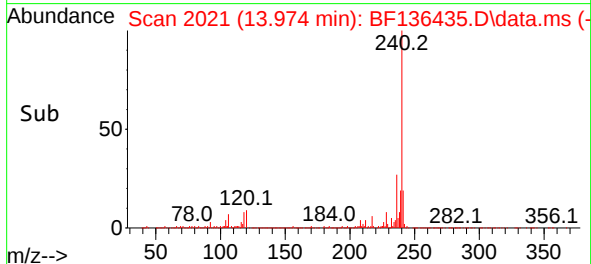
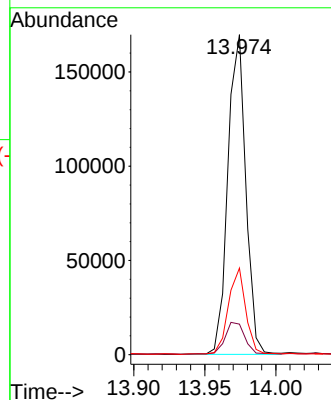
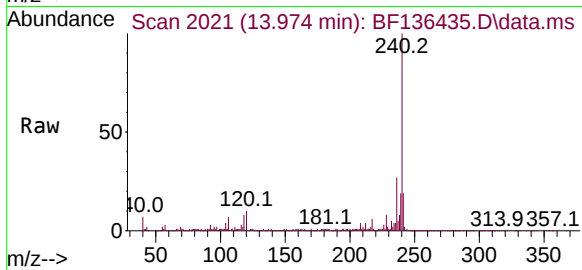
Tgt Ion:240 Resp: 148487

Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

236 27.1 21.3 31.9



#78

Pyrene

Concen: 12.675 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

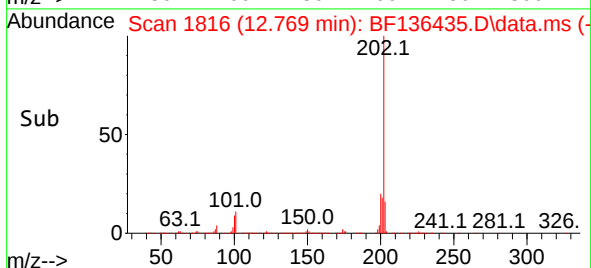
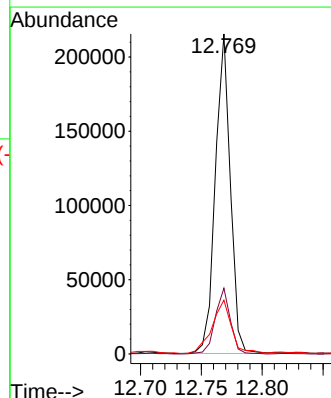
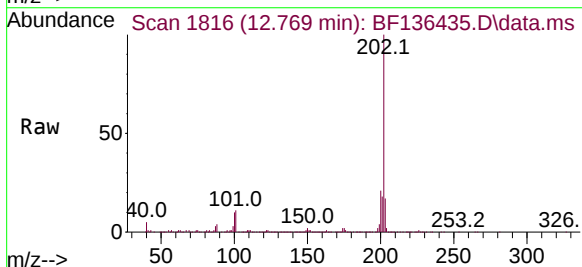
Tgt Ion:202 Resp: 184327

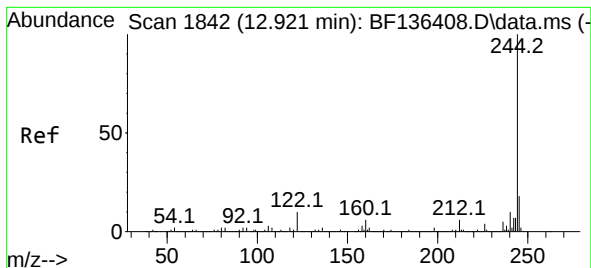
Ion Ratio Lower Upper

202 100

200 20.6 18.0 27.0

203 16.8 13.5 20.3





#79

Terphenyl-d14

Concen: 71.073 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

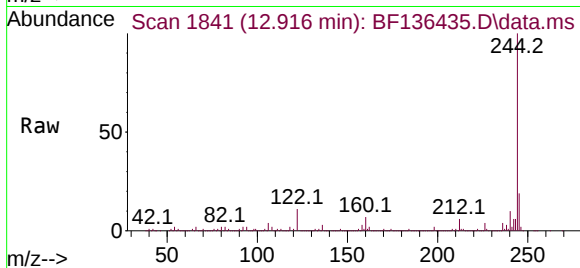
Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :



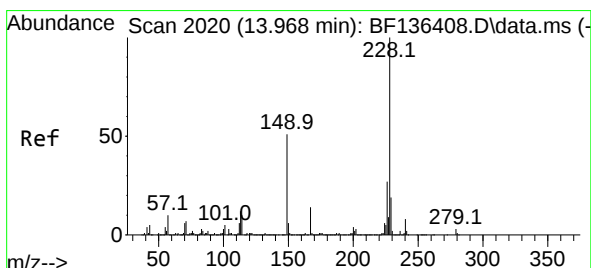
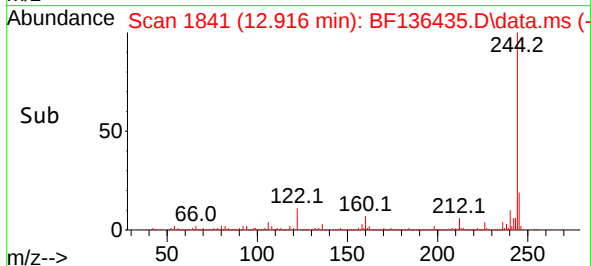
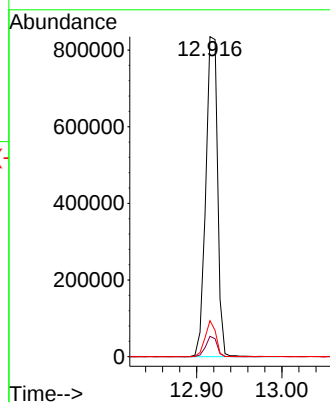
Tgt Ion:244 Resp: 800687

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 11.2 8.3 12.5



#81

Benzo(a)anthracene

Concen: 8.266 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

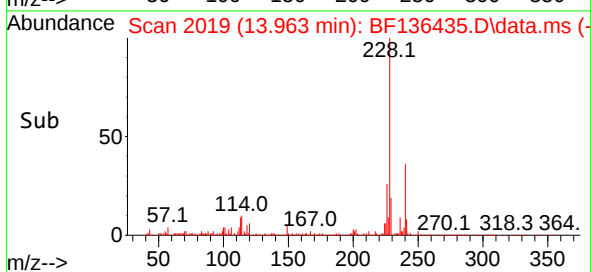
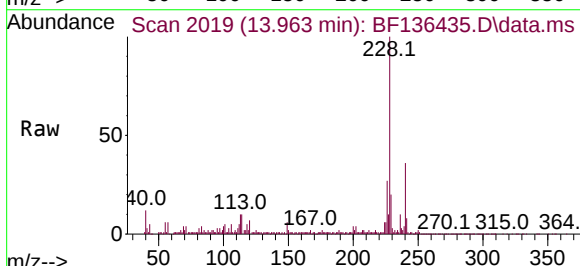
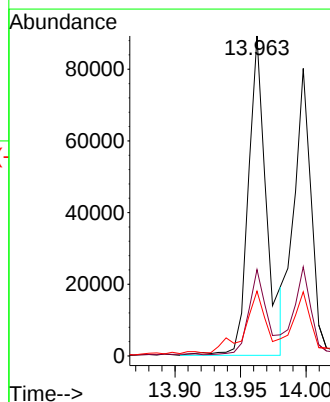
Tgt Ion:228 Resp: 85496

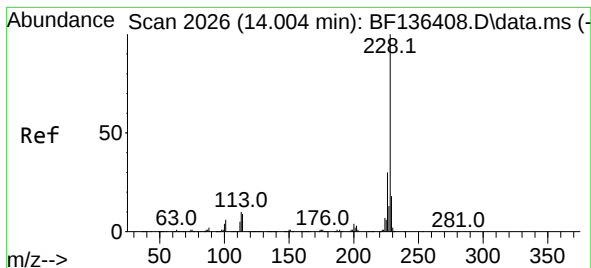
Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 20.3 15.0 22.4





#83

Chrysene

Concen: 8.402 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF136435.D

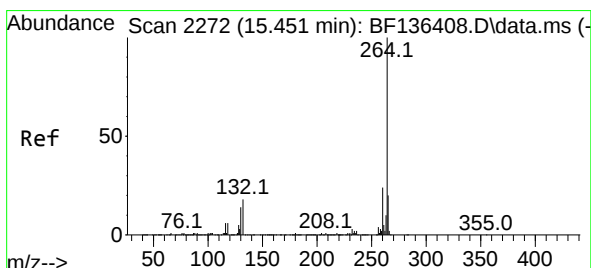
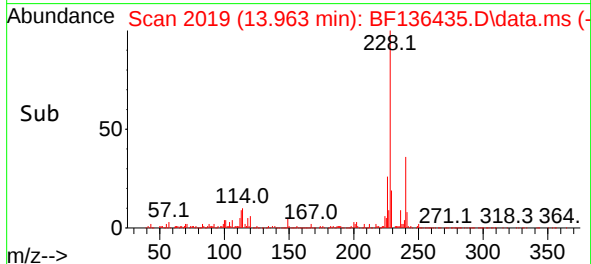
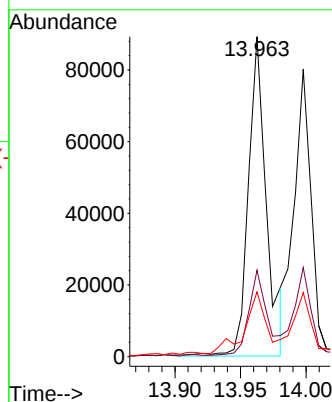
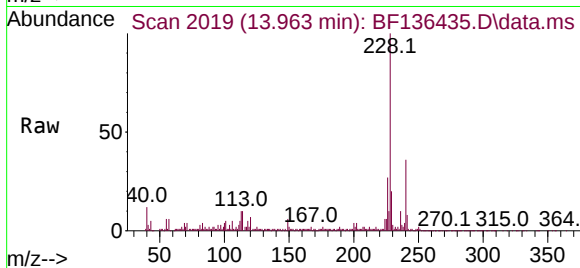
Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp:	85496
Ion Ratio	Lower	Upper
228	100	
226	27.0	23.8 35.6
229	20.3	14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

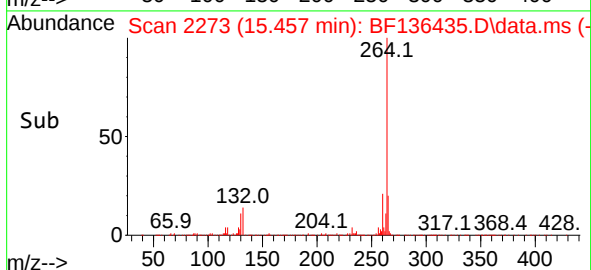
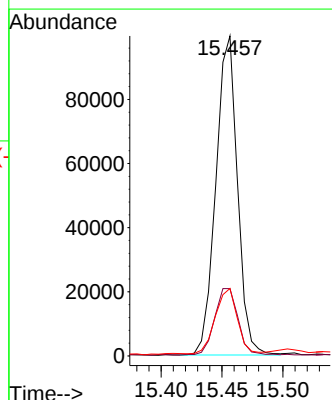
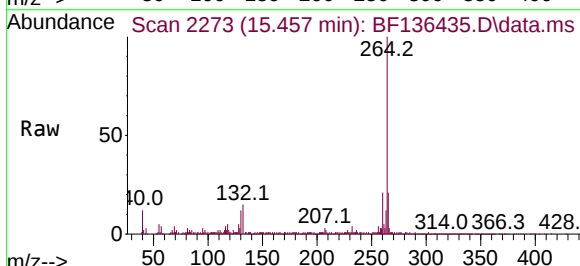
RT: 15.457 min Scan# 2273

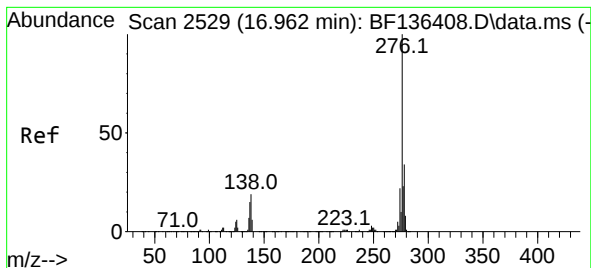
Delta R.T. 0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Tgt Ion:264	Resp:	123152
Ion Ratio	Lower	Upper
264	100	
260	21.0	19.2 28.8
265	21.1	15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.804 ng

RT: 16.951 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF136435.D

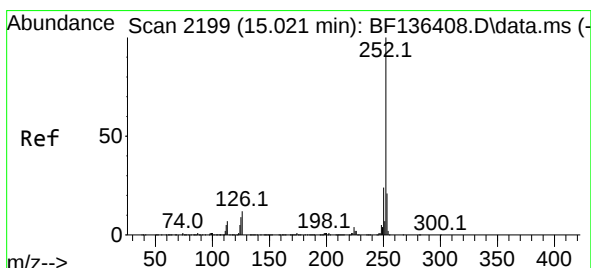
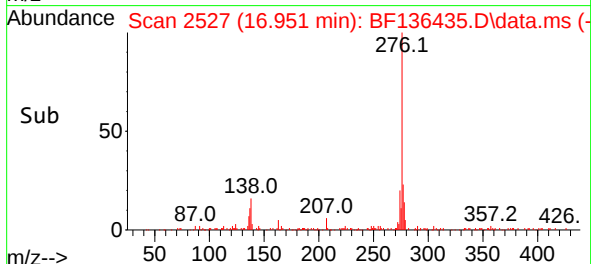
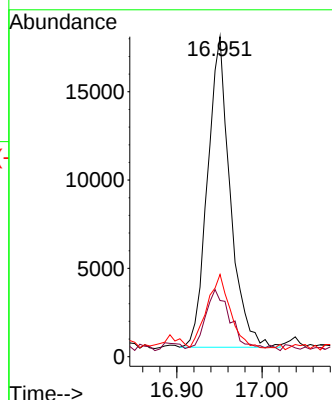
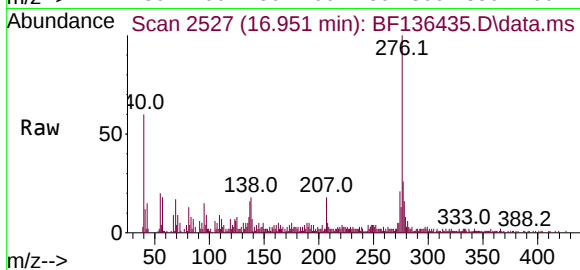
Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	32546
Ion Ratio	Lower	Upper	
276	100		
138	22.5	19.0	28.4
277	25.5	20.0	30.0



#88

Benzo(b)fluoranthene

Concen: 12.612 ng

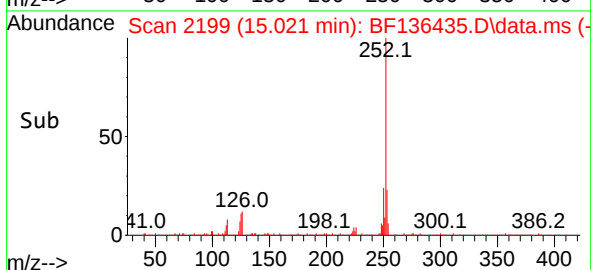
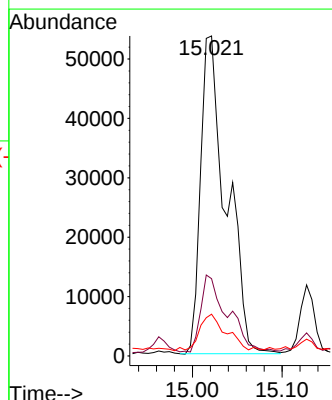
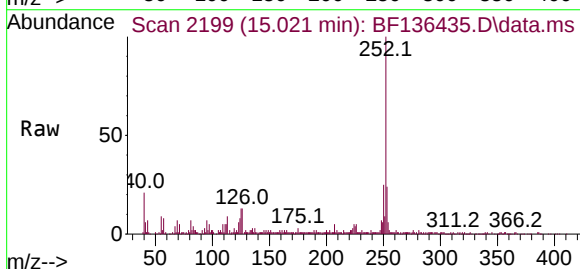
RT: 15.021 min Scan# 2199

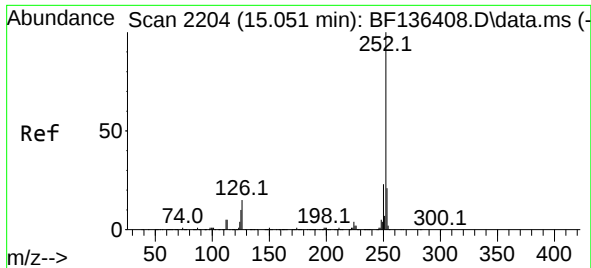
Delta R.T. -0.000 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Tgt Ion:	252	Resp:	106192
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.9	25.3
125	13.0	7.4	11.2

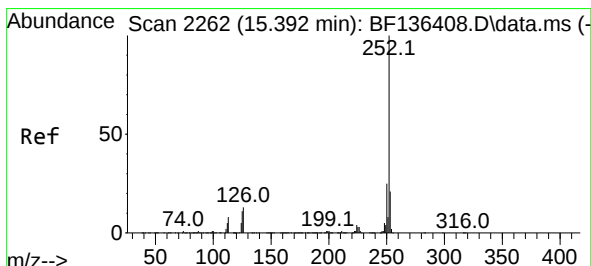
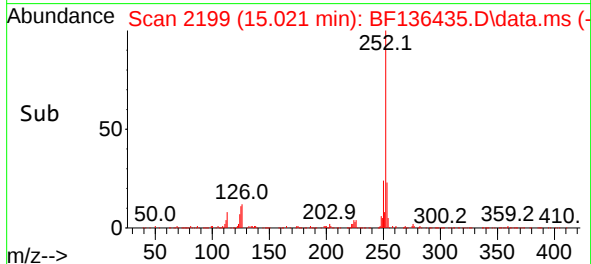
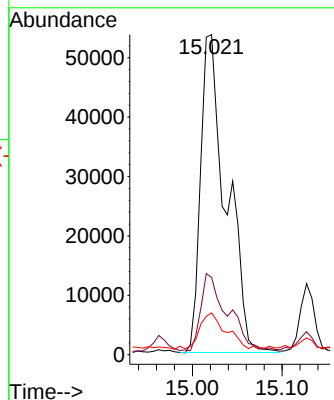
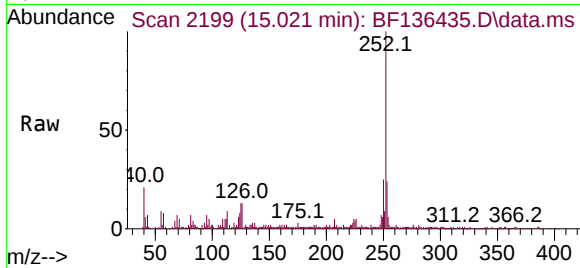




#89
Benzo(k)fluoranthene
Concen: 13.382 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

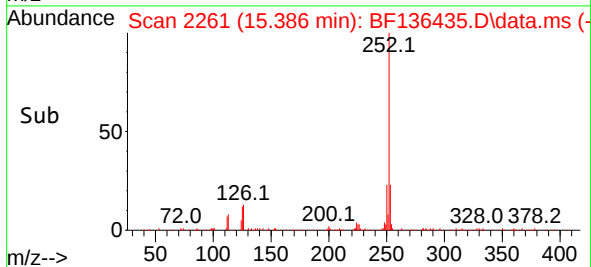
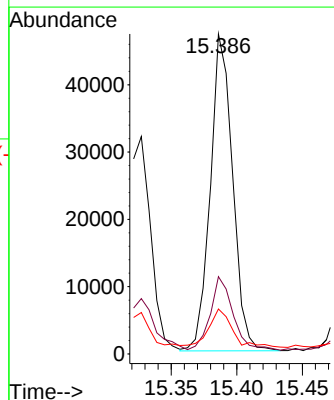
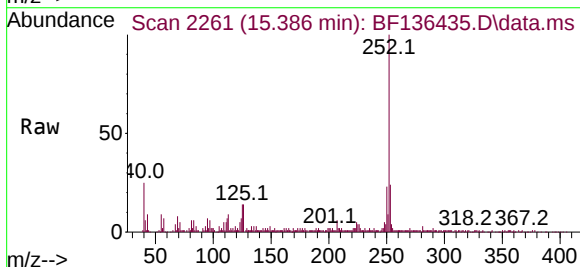
Instrument :
BNA_F
ClientSampleId :

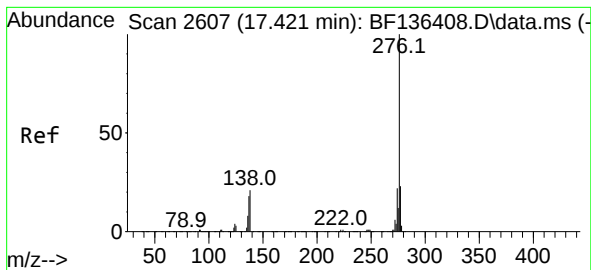
Tgt Ion:252 Resp: 106192
Ion Ratio Lower Upper
252 100
253 24.2 16.9 25.3
125 13.0 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 8.007 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:252 Resp: 55680
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.4
125 14.0 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 4.652 ng

RT: 17.409 min Scan# 20

Delta R.T. -0.012 min

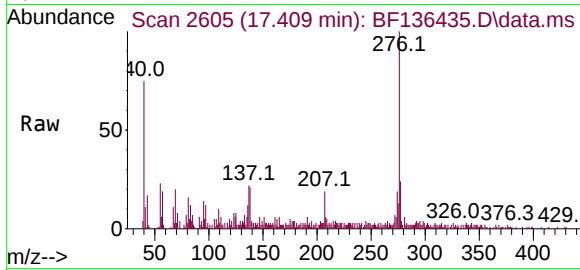
Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 33467

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 20.9 16.6 25.0

