

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128436.D
 Acq On : 24 May 2022 15:48
 Operator : CG\JU
 Sample : N2981-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13(3-3.5)

Quant Time: May 25 03:55:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

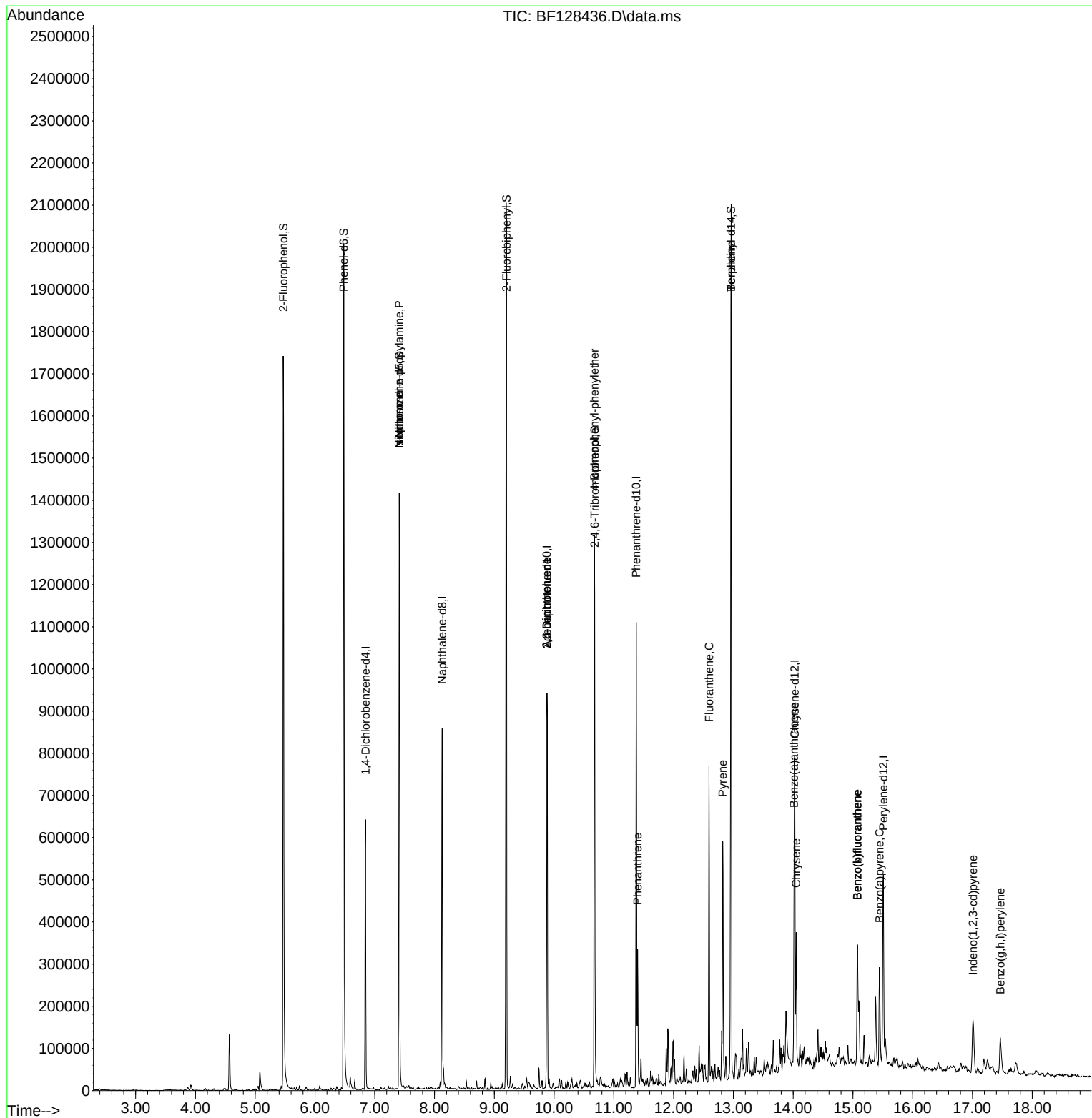
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	92771	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	365214	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	202111	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	369301	20.000	ng	0.00
76) Chrysene-d12	14.027	240	210098	20.000	ng	0.00
86) Perylene-d12	15.510	264	211241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	500302	85.821	ng	0.00
7) Phenol-d6	6.481	99	660429	86.034	ng	-0.01
23) Nitrobenzene-d5	7.410	82	470943	57.776	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	158499	76.042	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	685940	55.501	ng	0.00
79) Terphenyl-d14	12.963	244	707111	64.971	ng	0.00
Target Compounds						
9) Benzaldehyde	6.445	77	899	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.410	70	62595	13.634	ng	# 79
25) Isophorone	7.410	82	470937	37.701	ng	# 68
51) 2,6-Dinitrotoluene	9.881	165	26921	9.561	ng	# 21
57) 2,4-Dinitrotoluene	9.881	165	26921	7.589	ng	# 26
67) 4-Bromophenyl-phenylether	10.675	248	9836	2.545	ng	# 1
71) Phenanthrene	11.398	178	114683	6.363	ng	98
75) Fluoranthene	12.592	202	270516	13.860	ng	99
77) Benzidine	12.963	184	10420	2.385	ng	96
78) Pyrene	12.822	202	223472	14.206	ng	99
81) Benzo(a)anthracene	14.016	228	128411	9.606	ng	97
83) Chrysene	14.051	228	113894	8.946	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	76842	6.373	ng	96
88) Benzo(b)fluoranthene	15.074	252	206095	15.684	ng	98
89) Benzo(k)fluoranthene	15.074	252	206095	16.745	ng	96
90) Benzo(a)pyrene	15.445	252	111014	10.524	ng	100
92) Benzo(g,h,i)perylene	17.468	276	65388	6.479	ng	95

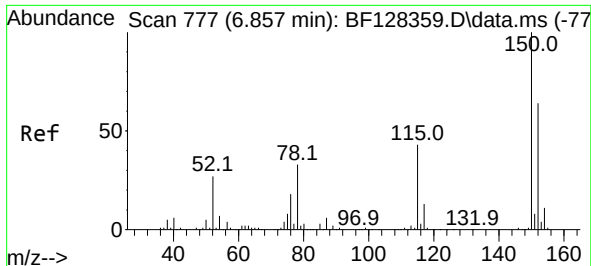
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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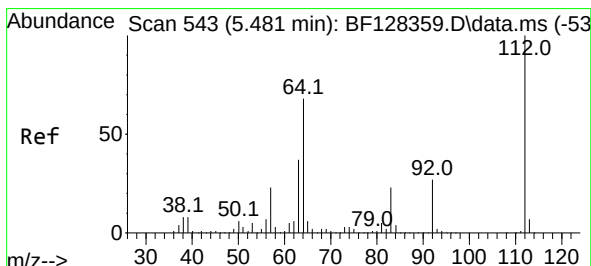
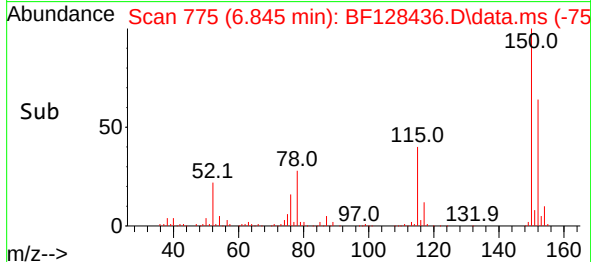
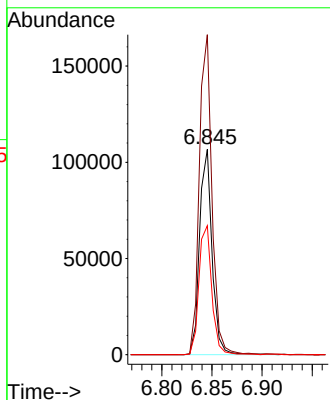
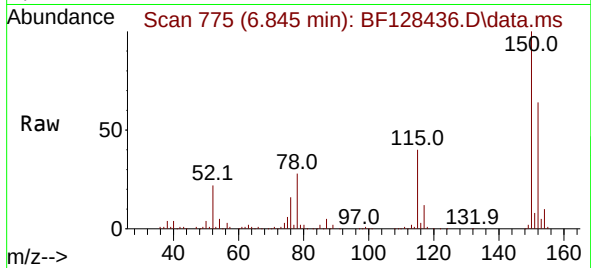




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF128436.D
 Acq: 24 May 2022 15:48

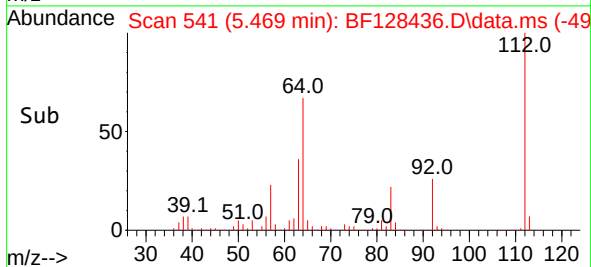
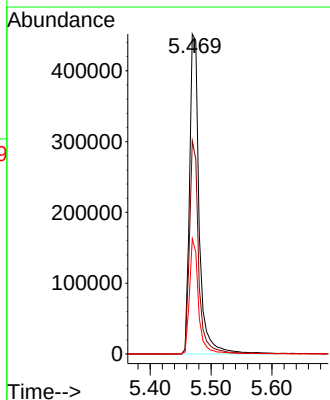
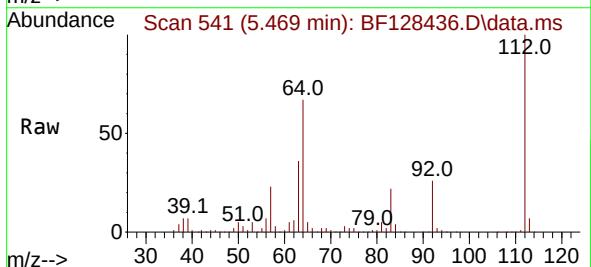
Instrument :
 BNA_F
 ClientSampleId :
 SB-13(3-3.5)

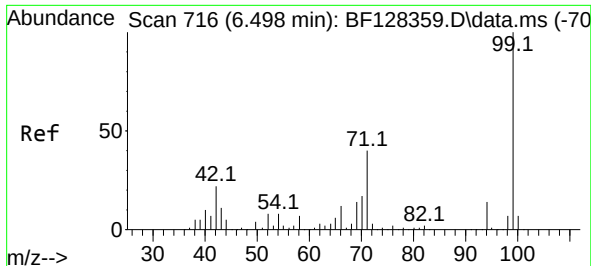
Tgt Ion:152 Resp: 92771
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.3 187.9
 115 62.8 48.8 73.2



#5
 2-Fluorophenol
 Concen: 85.821 ng
 RT: 5.469 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: BF128436.D
 Acq: 24 May 2022 15:48

Tgt Ion:112 Resp: 500302
 Ion Ratio Lower Upper
 112 100
 64 66.6 49.5 74.3
 63 36.0 26.3 39.5

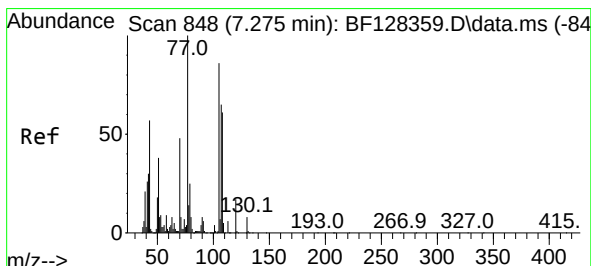
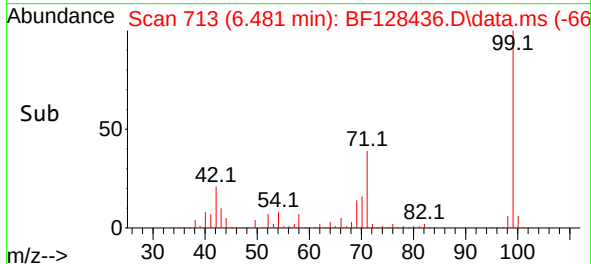
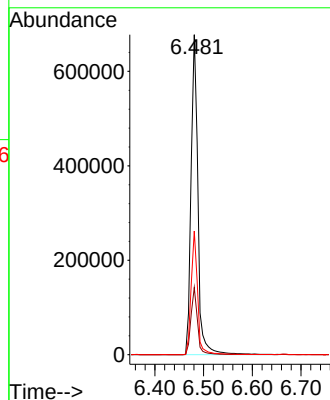
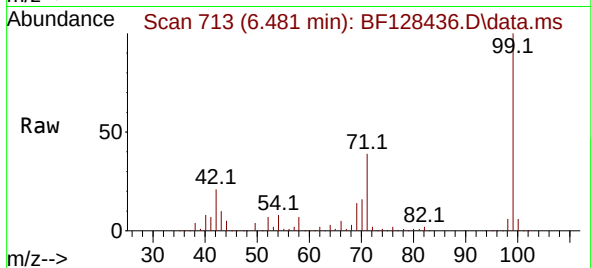




#7
Phenol-d6
Concen: 86.034 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

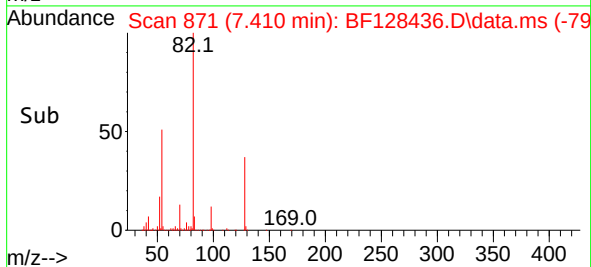
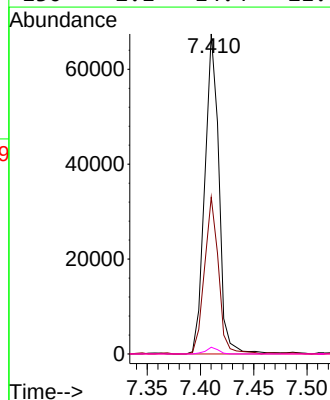
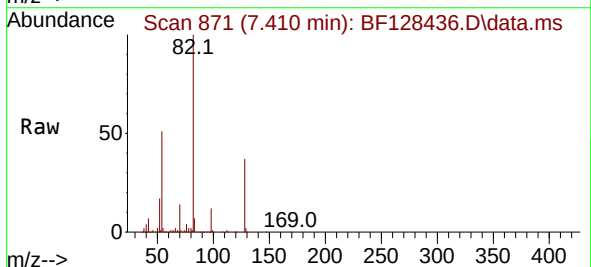
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

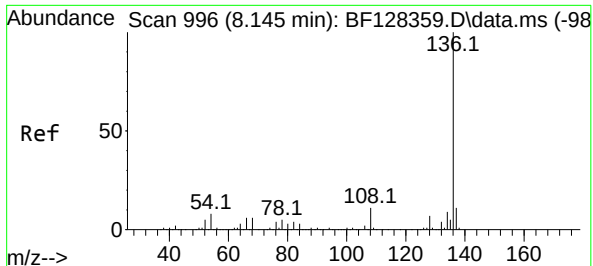
Tgt Ion: 99 Resp: 660429
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 38.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.634 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.147 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion: 70 Resp: 62595
Ion Ratio Lower Upper
70 100
42 49.0 48.7 73.1
101 0.0 7.2 10.8#
130 2.1 14.4 21.6#

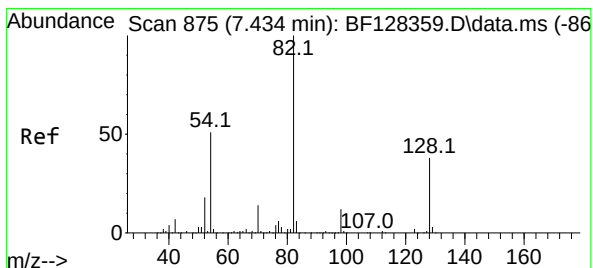
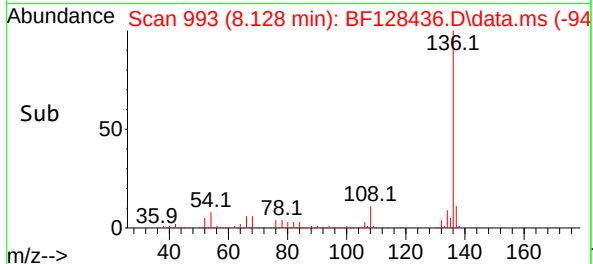
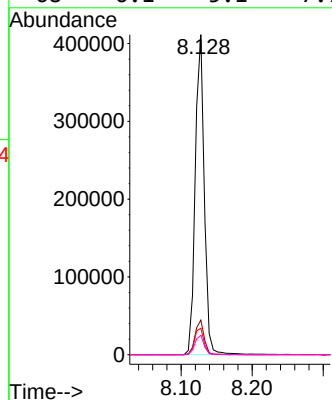
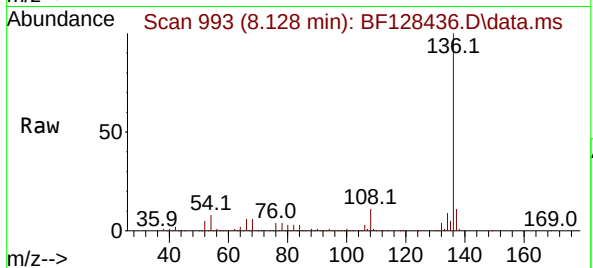




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 996
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

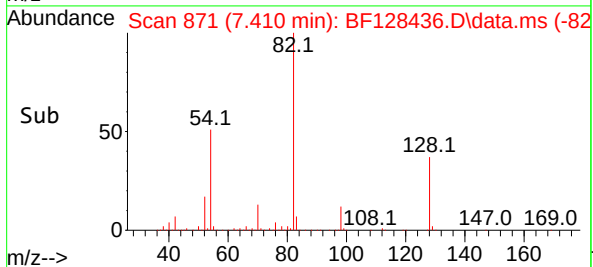
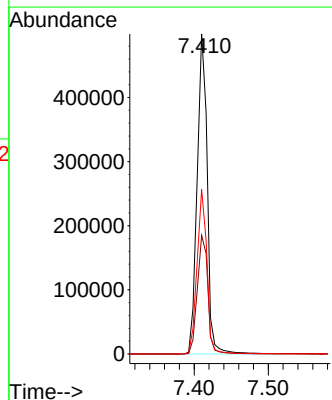
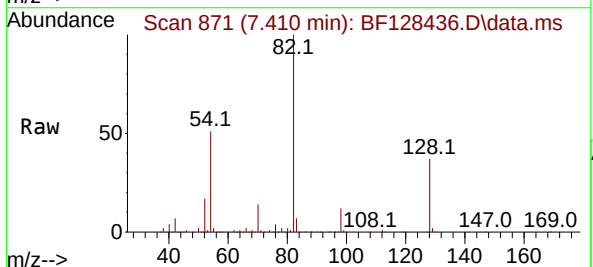
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

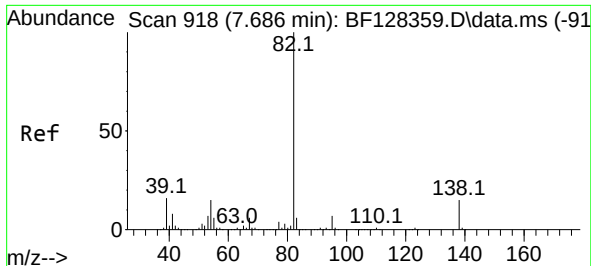
Tgt Ion:136 Resp: 365214
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.8 10.2
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 57.776 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion: 82 Resp: 470943
Ion Ratio Lower Upper
82 100
128 37.1 30.0 45.0
54 51.4 41.3 61.9

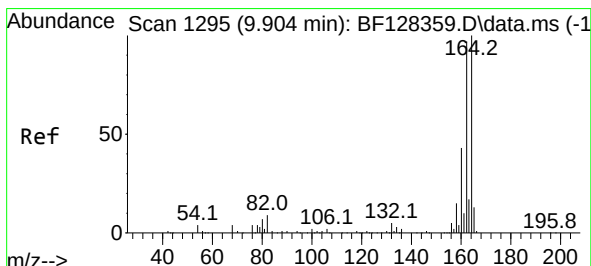
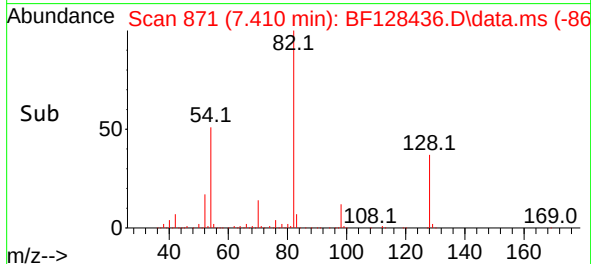
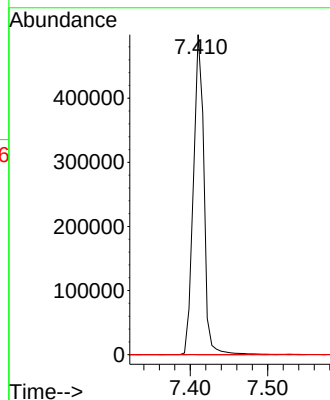
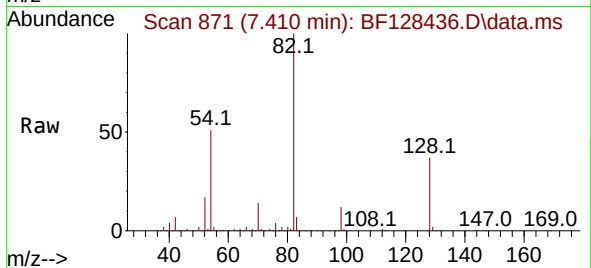




#25
Isophorone
Concen: 37.701 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

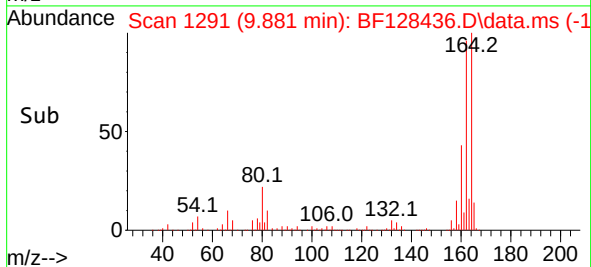
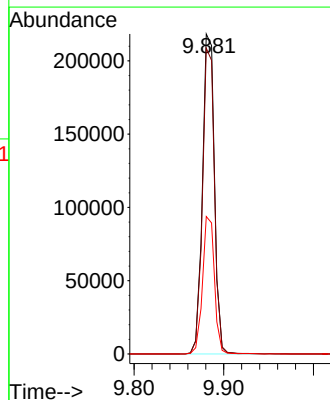
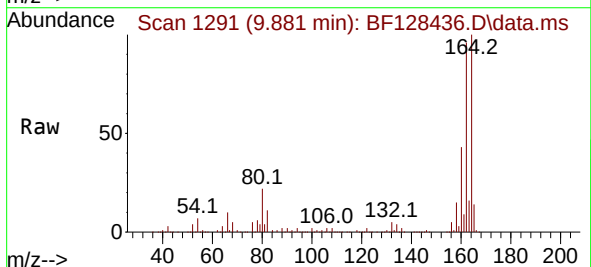
Instrument :
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ClientSampleId :
SB-13(3-3.5)

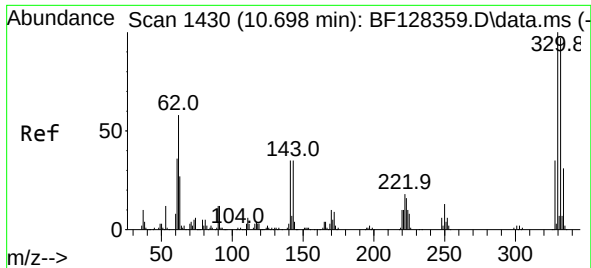
Tgt Ion: 82 Resp: 470937
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

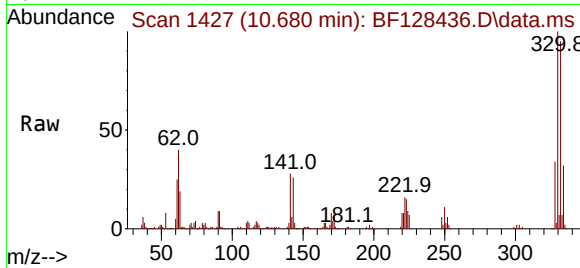
Tgt Ion: 164 Resp: 202111
Ion Ratio Lower Upper
164 100
162 95.6 76.0 114.0
160 42.9 34.8 52.2



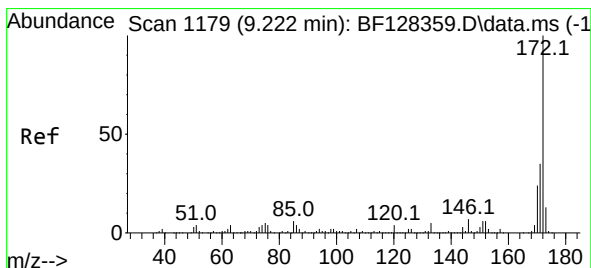
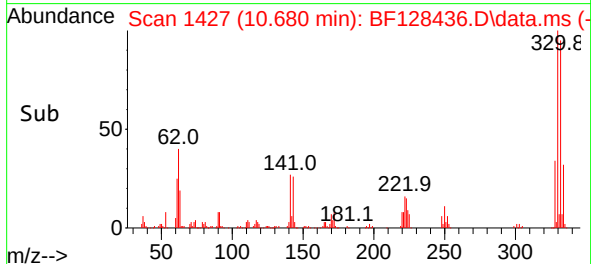
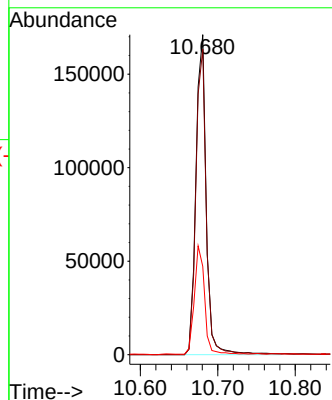


#42
2,4,6-Tribromophenol
Concen: 76.042 ng
RT: 10.680 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

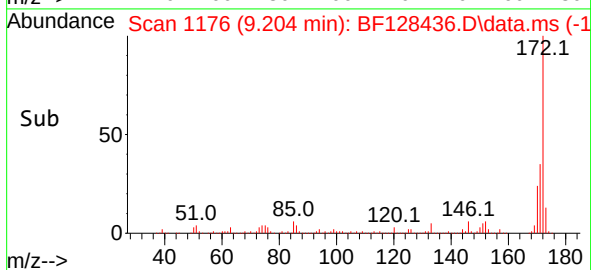
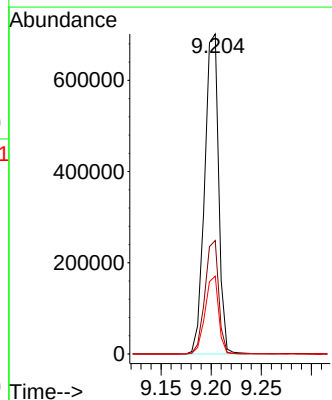
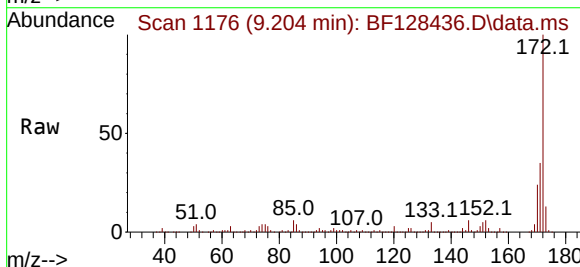


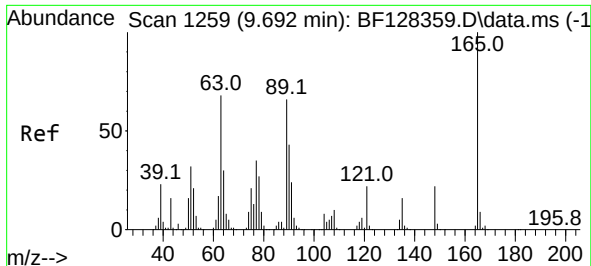
Tgt Ion:330 Resp: 158499
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.4
141 33.2 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 55.501 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:172 Resp: 685940
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.3 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.561 ng

RT: 9.881 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF128436.D

Acq: 24 May 2022 15:48

Instrument :

BNA_F

ClientSampleId :

SB-13(3-3.5)

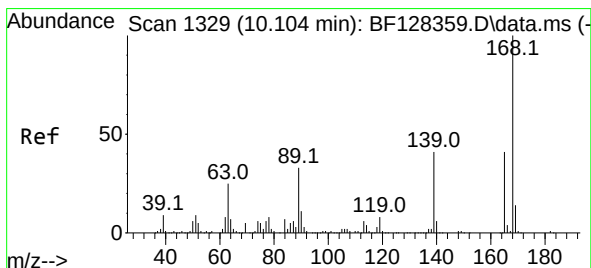
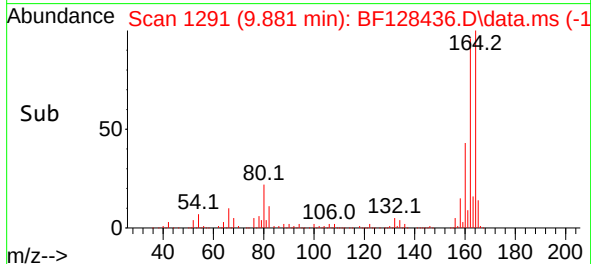
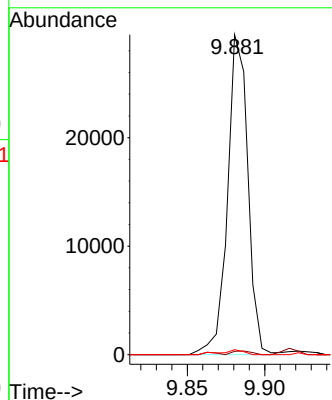
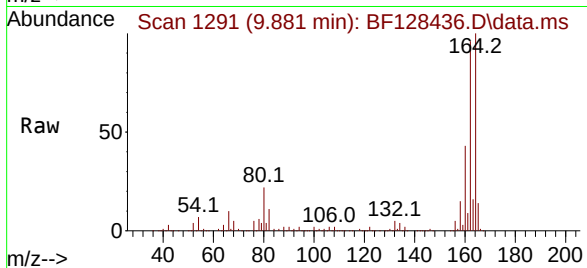
Tgt Ion:165 Resp: 26921

Ion Ratio Lower Upper

165 100

63 1.0 49.5 74.3#

89 1.5 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 7.589 ng

RT: 9.881 min Scan# 1291

Delta R.T. -0.212 min

Lab File: BF128436.D

Acq: 24 May 2022 15:48

Tgt Ion:165 Resp: 26921

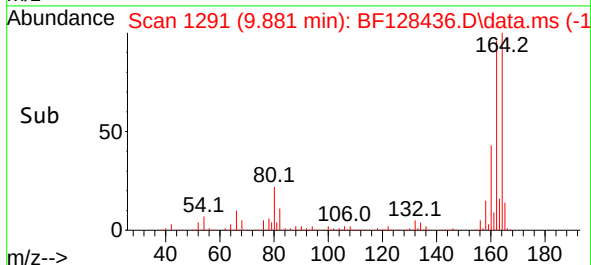
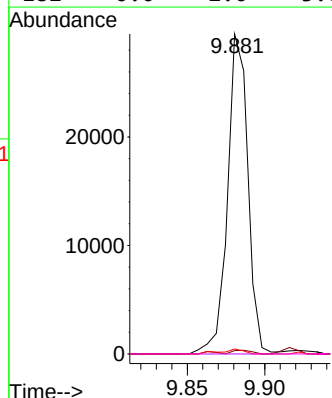
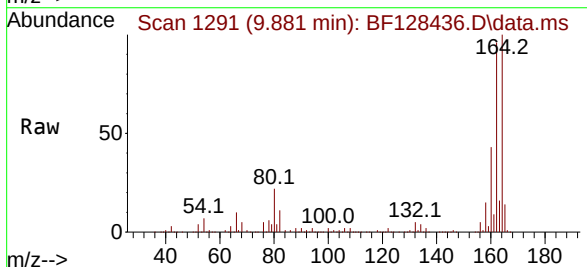
Ion Ratio Lower Upper

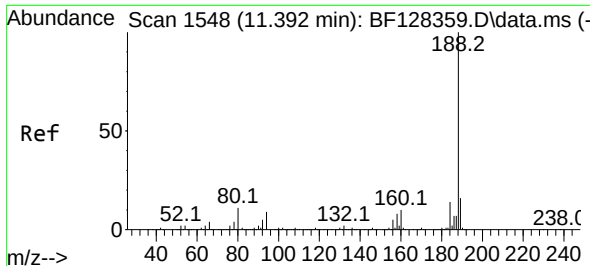
165 100

63 1.0 32.6 49.0#

89 1.5 55.2 82.8#

182 0.0 2.0 3.0#

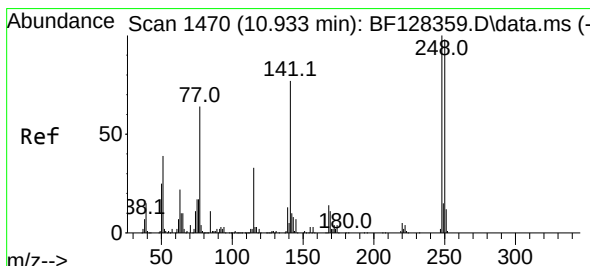
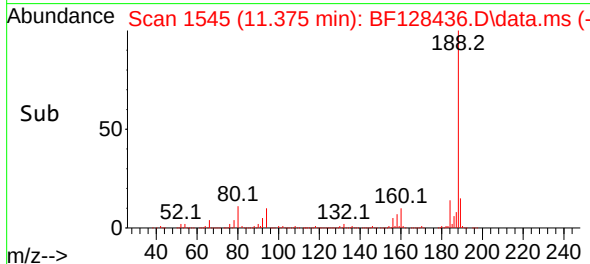
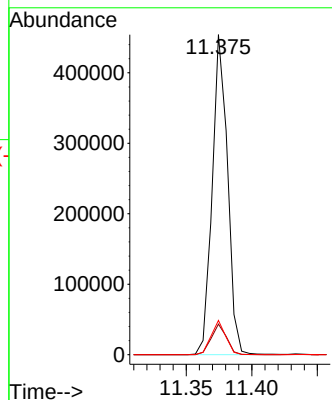
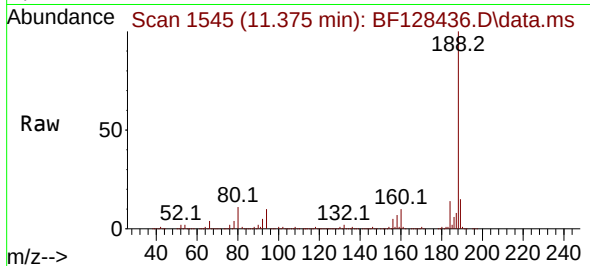




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

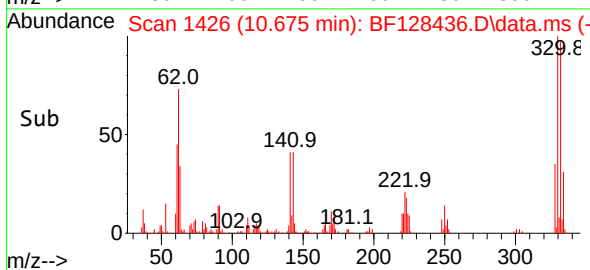
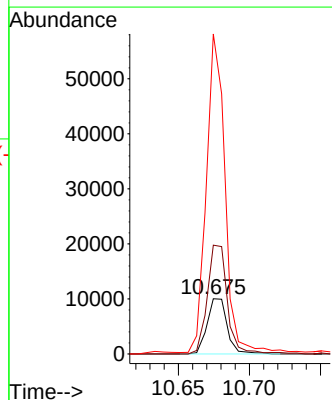
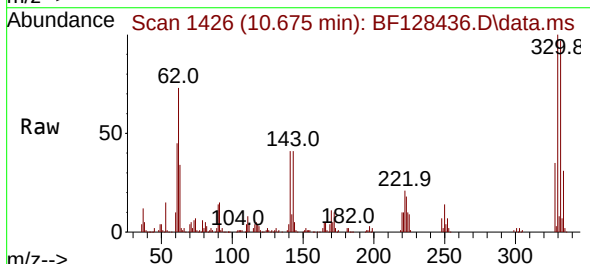
Instrument :
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SB-13(3-3.5)

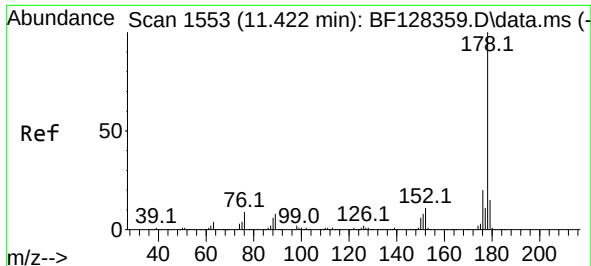
Tgt Ion:188 Resp: 369301
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.7 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.545 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.241 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:248 Resp: 9836
Ion Ratio Lower Upper
248 100
250 197.1 77.7 116.5#
141 579.6 65.6 98.4#

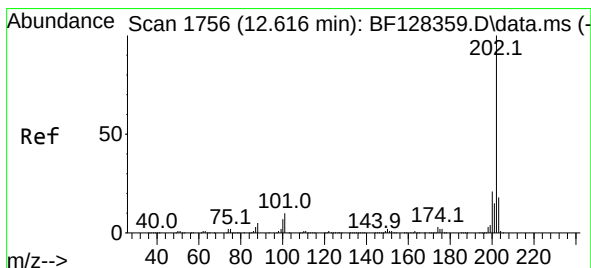
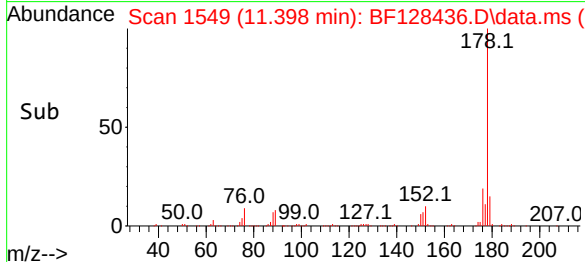
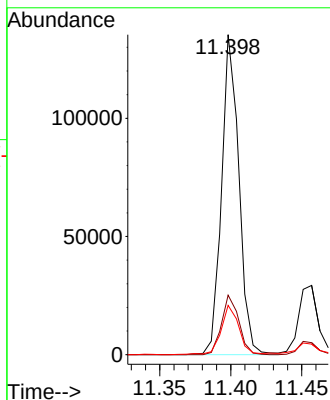
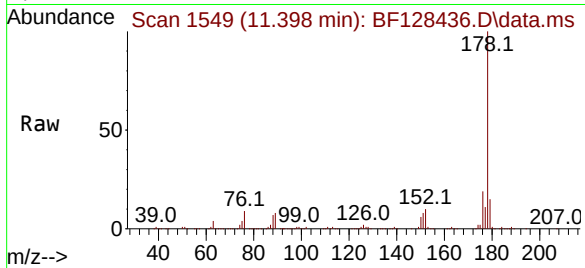




#71
Phenanthrene
Concen: 6.363 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

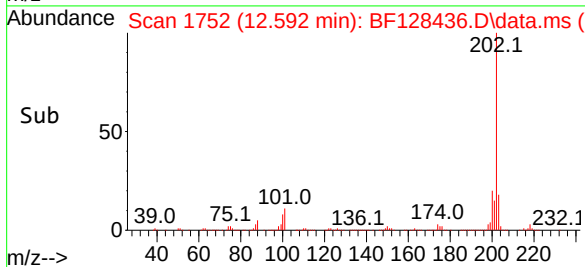
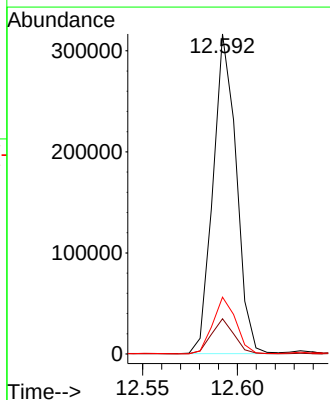
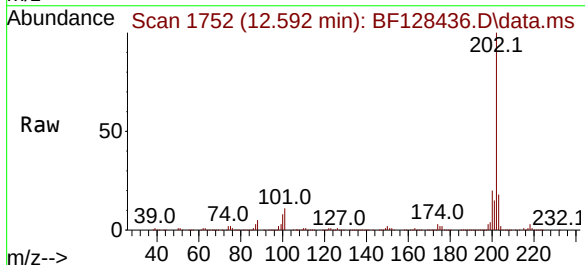
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

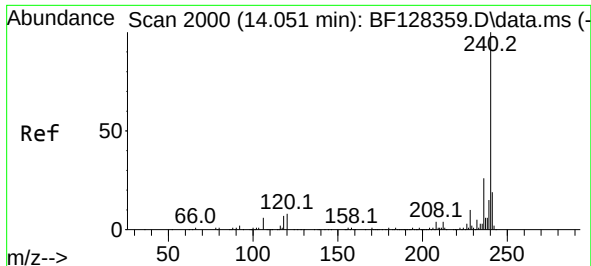
Tgt Ion:178 Resp: 114683
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.4 12.6 19.0



#75
Fluoranthene
Concen: 13.860 ng
RT: 12.592 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:202 Resp: 270516
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.6
203 17.8 0.0 38.1

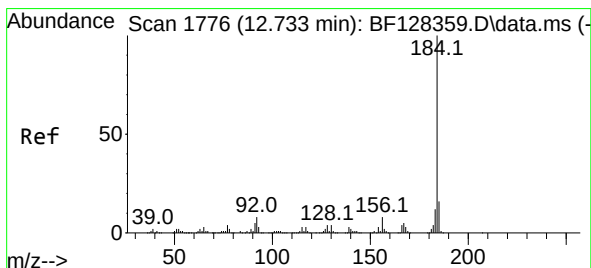
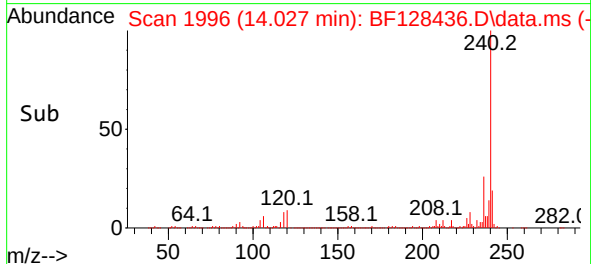
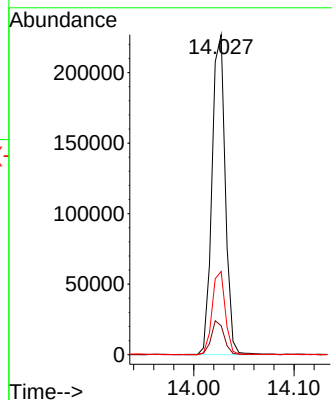
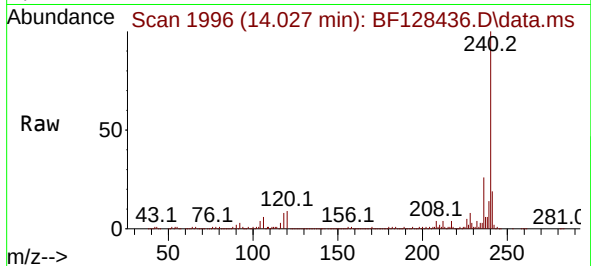




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

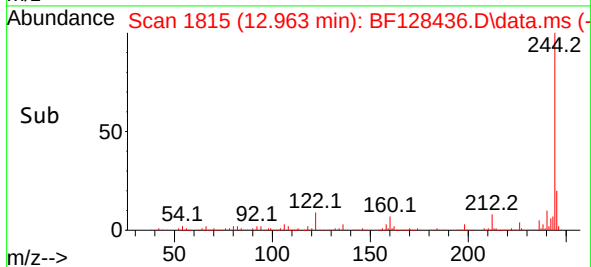
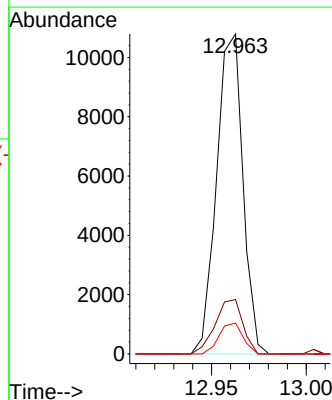
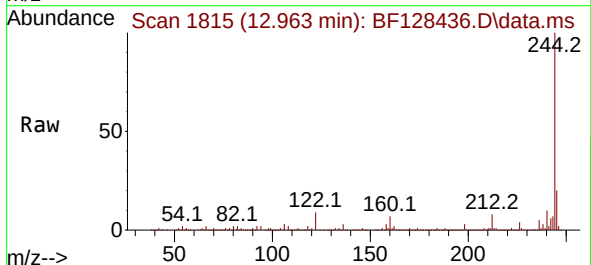
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

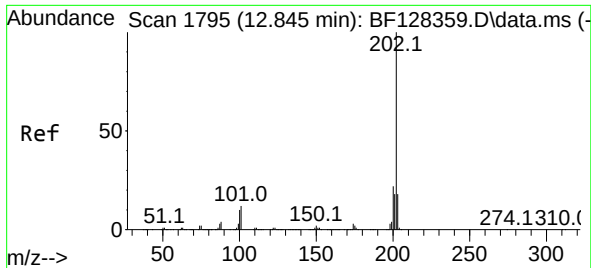
Tgt Ion:240 Resp: 210098
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.0 20.3 30.5



#77
Benzidine
Concen: 2.385 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.241 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:184 Resp: 10420
Ion Ratio Lower Upper
184 100
185 17.0 12.1 18.1
183 9.7 9.0 13.4

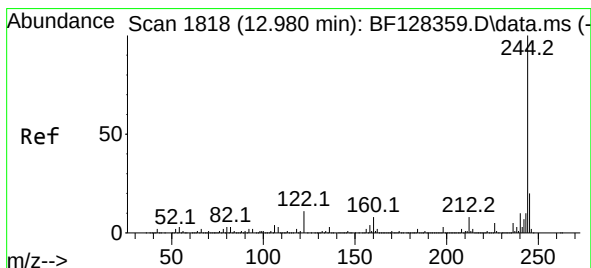
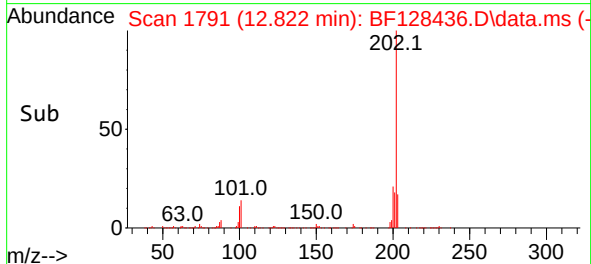
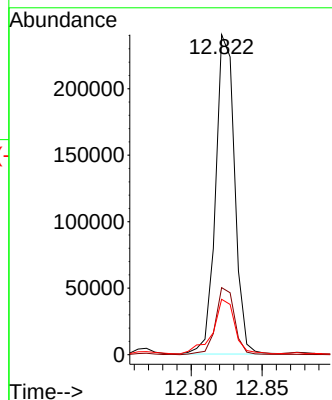
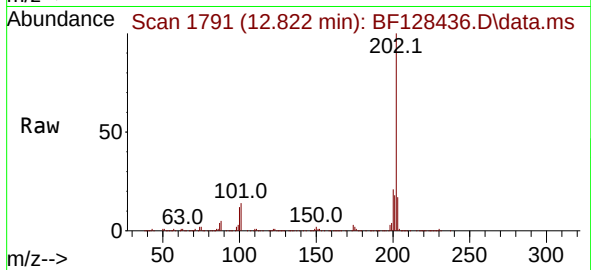




#78
 Pyrene
 Concen: 14.206 ng
 RT: 12.822 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128436.D
 Acq: 24 May 2022 15:48

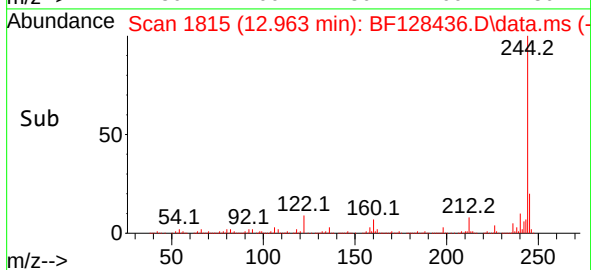
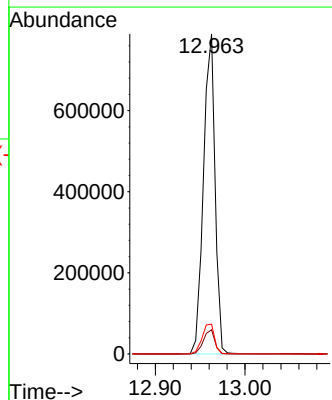
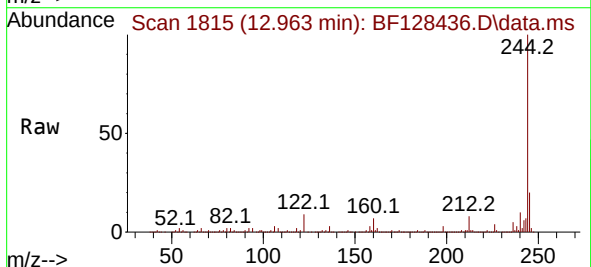
Instrument :
 BNA_F
 ClientSampleId :
 SB-13(3-3.5)

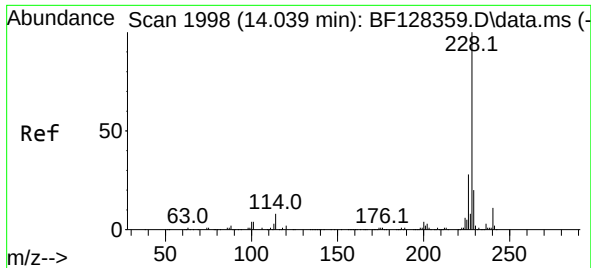
Tgt Ion:202 Resp: 223472
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 17.3 14.0 21.0



#79
 Terphenyl-d14
 Concen: 64.971 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.000 min
 Lab File: BF128436.D
 Acq: 24 May 2022 15:48

Tgt Ion:244 Resp: 707111
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 9.3 8.6 12.8

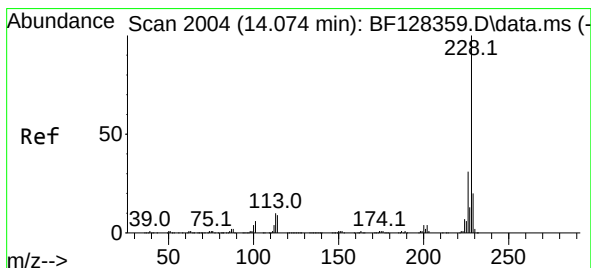
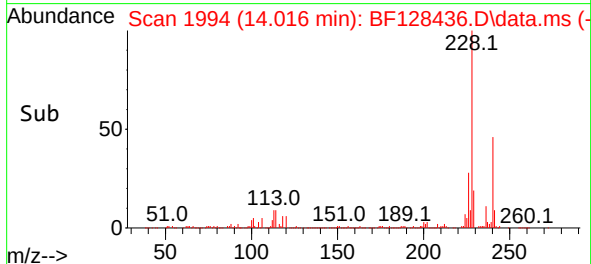
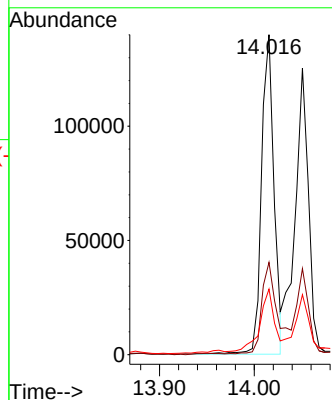
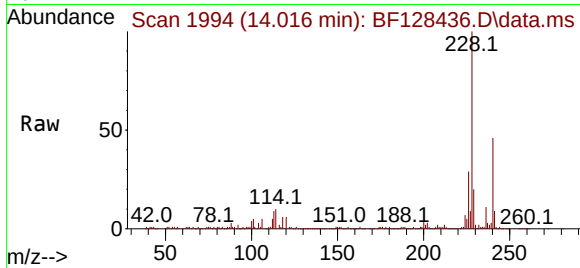




#81
Benzo(a)anthracene
Concen: 9.606 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

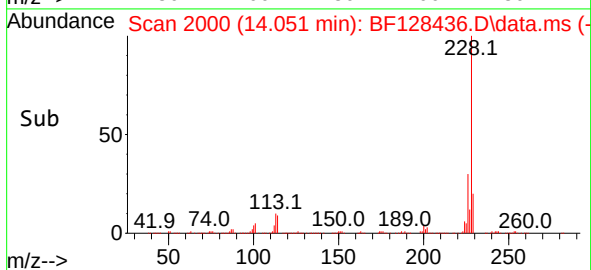
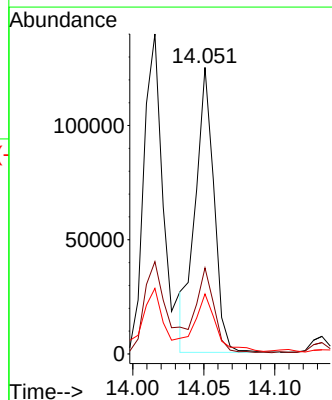
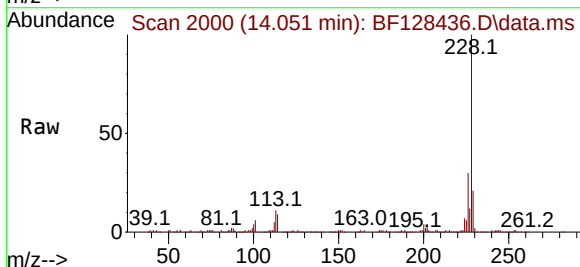
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

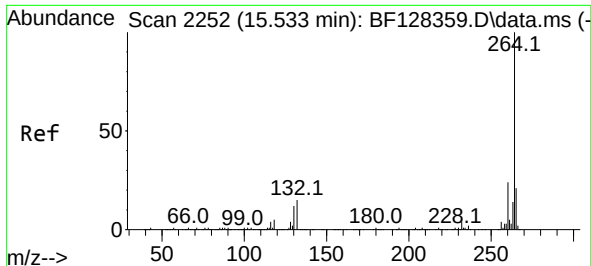
Tgt Ion:228 Resp: 128411
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 20.5 15.4 23.2



#83
Chrysene
Concen: 8.946 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:228 Resp: 113894
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.0 15.8 23.8

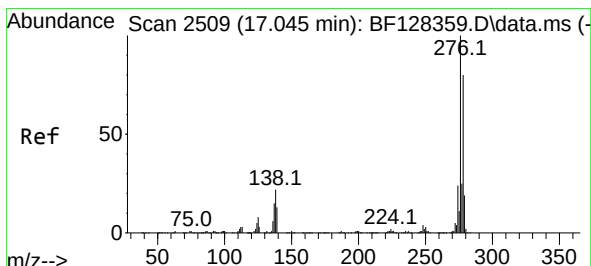
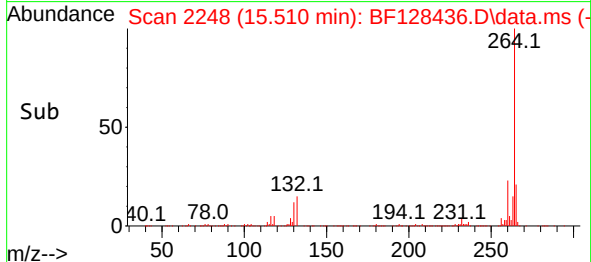
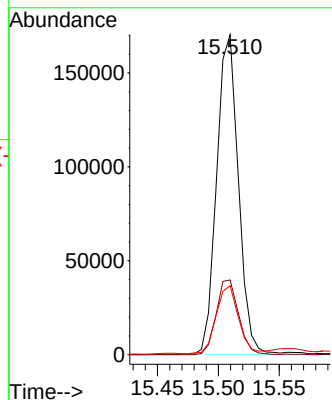
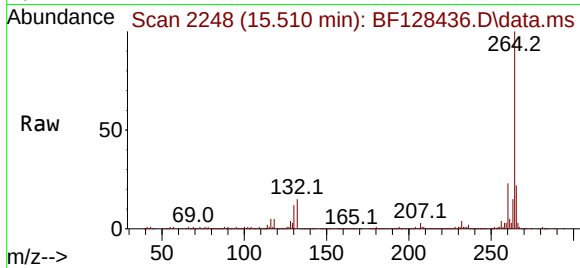




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

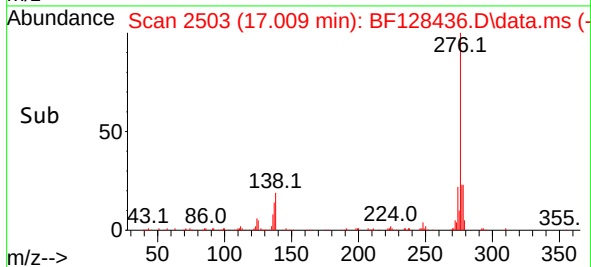
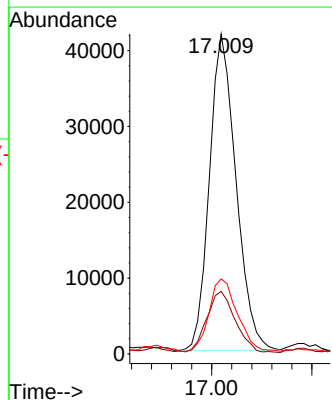
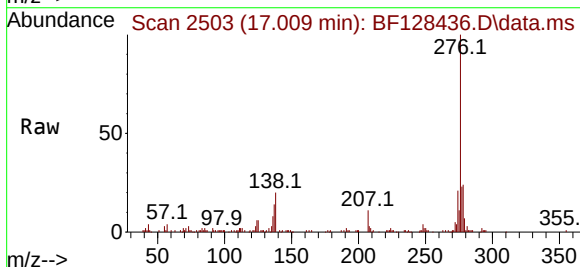
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

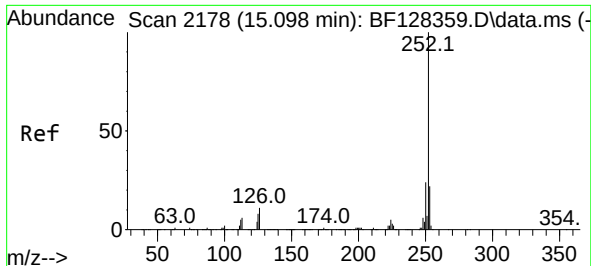
Tgt Ion:264 Resp: 211241
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 21.5 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.373 ng
RT: 17.009 min Scan# 2503
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:276 Resp: 76842
Ion Ratio Lower Upper
276 100
138 20.6 19.0 28.4
277 24.3 20.1 30.1

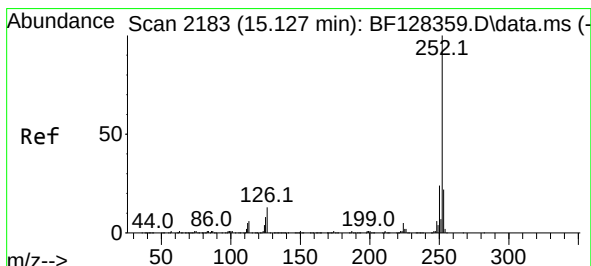
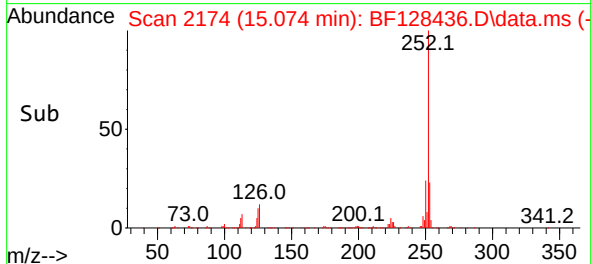
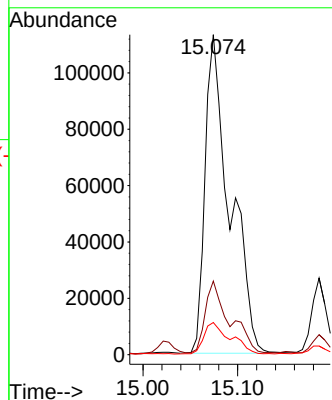
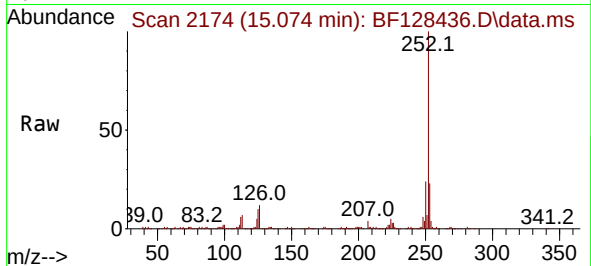




#88
Benzo(b)fluoranthene
Concen: 15.684 ng
RT: 15.074 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

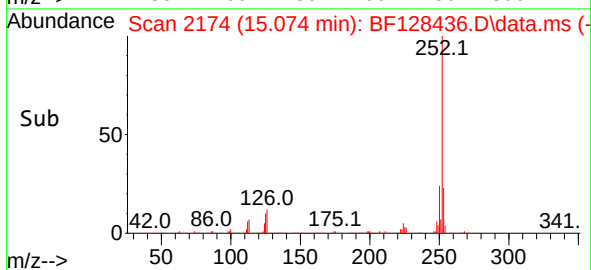
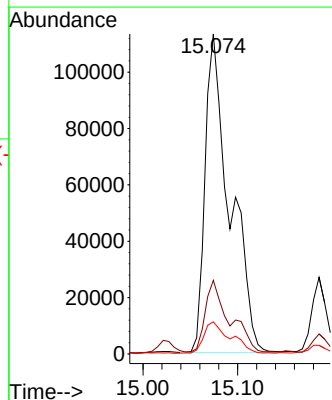
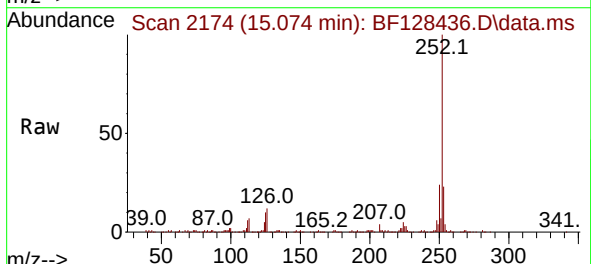
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

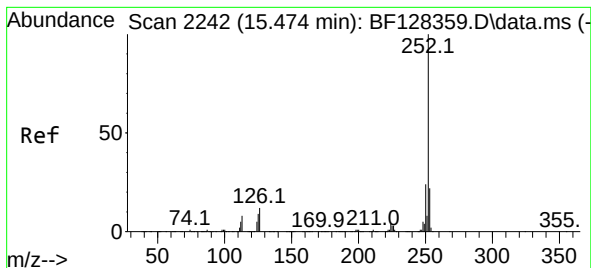
Tgt Ion:252 Resp: 206095
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.1 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 16.745 ng
RT: 15.074 min Scan# 2174
Delta R.T. -0.029 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:252 Resp: 206095
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 10.1 6.8 10.2





#90

Benzo(a)pyrene

Concen: 10.524 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128436.D

Acq: 24 May 2022 15:48

Instrument :

BNA_F

ClientSampleId :

SB-13(3-3.5)

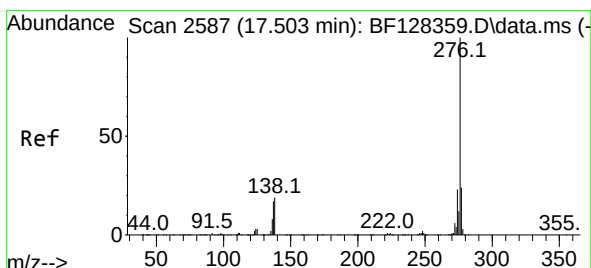
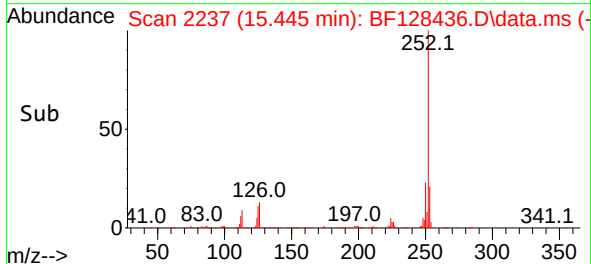
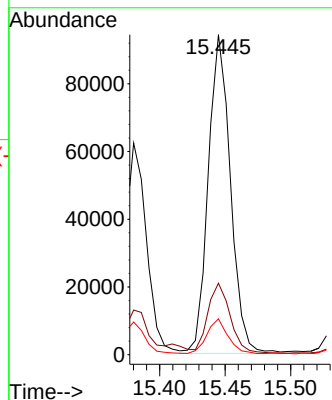
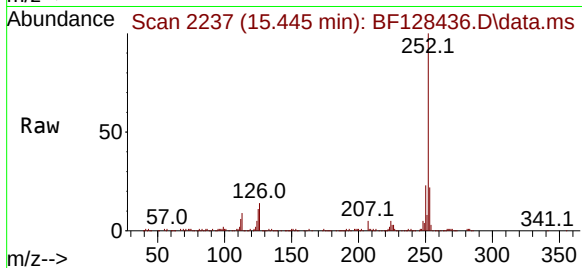
Tgt Ion:252 Resp: 111014

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 11.2 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 6.479 ng

RT: 17.468 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BF128436.D

Acq: 24 May 2022 15:48

Tgt Ion:276 Resp: 65388

Ion Ratio Lower Upper

276 100

277 26.9 18.8 28.2

138 19.0 16.2 24.2

