

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134016.D
 Acq On : 28 Jun 2023 06:24
 Operator : CG\JU
 Sample : 03355-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Jun 28 07:10:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

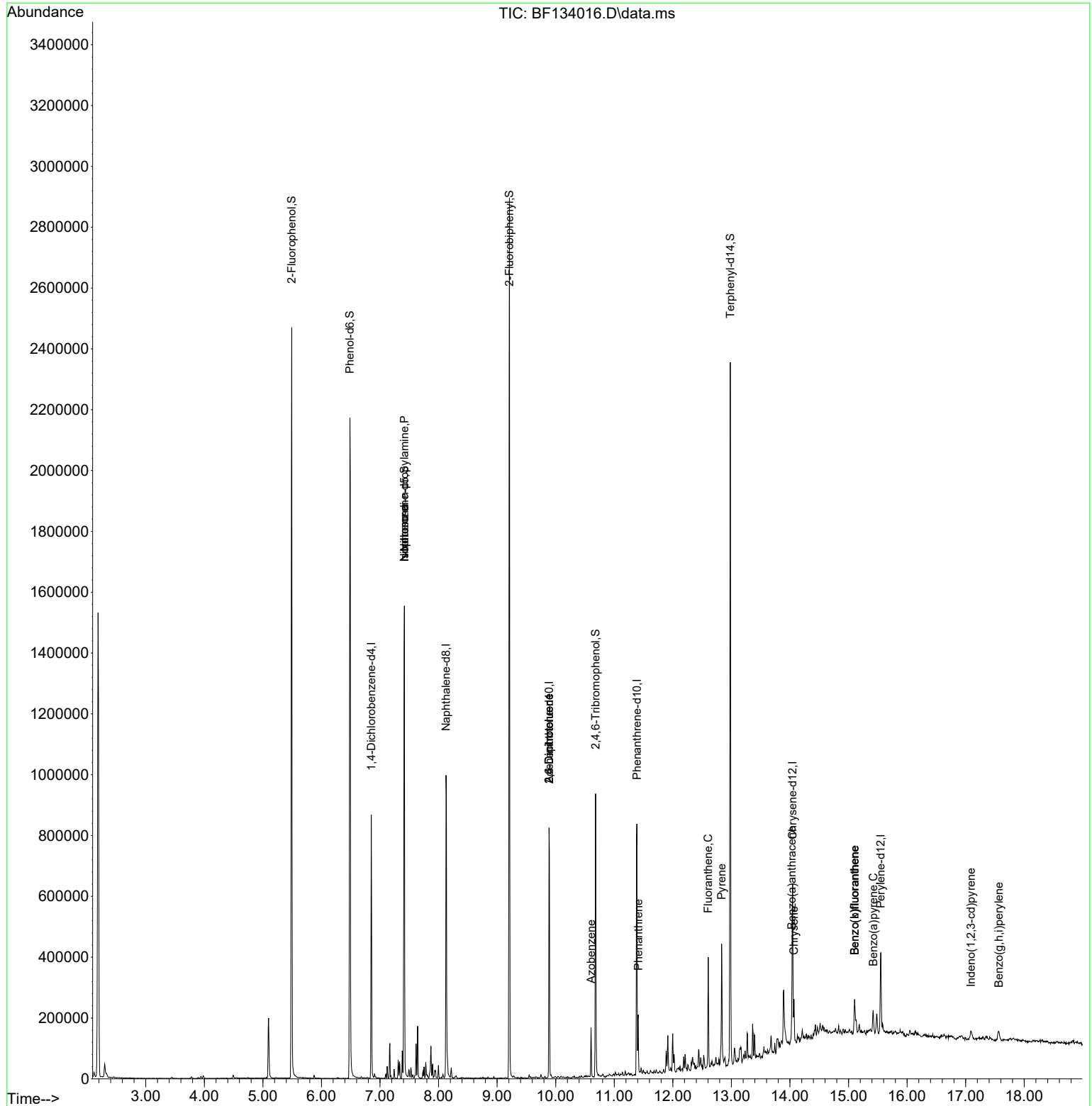
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	116615	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	441529	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	162306	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	315039	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161013	20.000	ng	0.00
86) Perylene-d12	15.551	264	127308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	617761	88.614	ng	0.01
7) Phenol-d6	6.487	99	722568	84.280	ng	0.00
23) Nitrobenzene-d5	7.416	82	475521	58.055	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	104417	51.311	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	819938	73.448	ng	0.00
79) Terphenyl-d14	12.980	244	776729	77.639	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	144	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.416	70	67261	12.371	ng	# 73
25) Isophorone	7.416	82	475515	31.943	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	21413	8.438	ng	# 24
57) 2,4-Dinitrotoluene	9.886	165	21413	6.390	ng	# 23
63) Azobenzene	10.604	77	24769	2.133	ng	# 1
71) Phenanthrene	11.410	178	70267	4.431	ng	99
75) Fluoranthene	12.604	202	134937	7.870	ng	98
78) Pyrene	12.833	202	162590	10.851	ng	99
81) Benzo(a)anthracene	14.033	228	45236	4.051	ng	96
83) Chrysene	14.068	228	62019	5.734	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	22991	2.603	ng	97
88) Benzo(b)fluoranthene	15.104	252	72314	9.660	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	72314	9.488	ng	# 96
90) Benzo(a)pyrene	15.421	252	37911	5.237	ng	99
92) Benzo(g,h,i)perylene	17.568	276	29878	4.015	ng	95

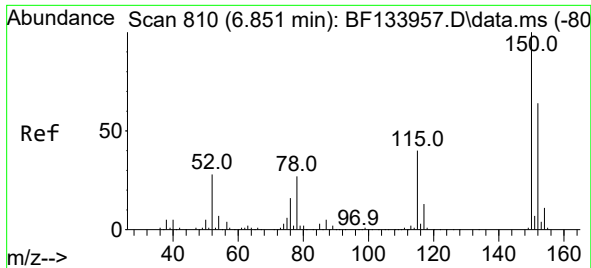
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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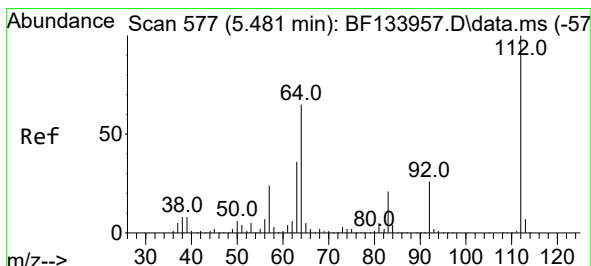
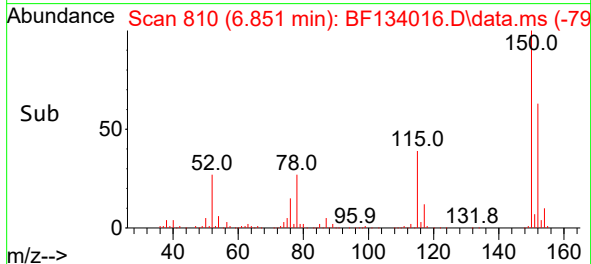
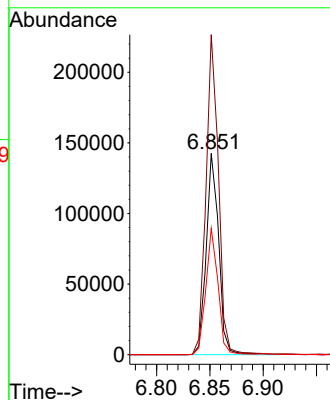
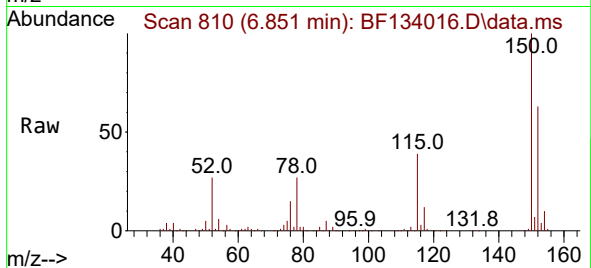




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

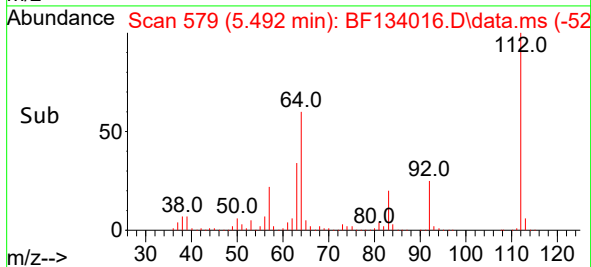
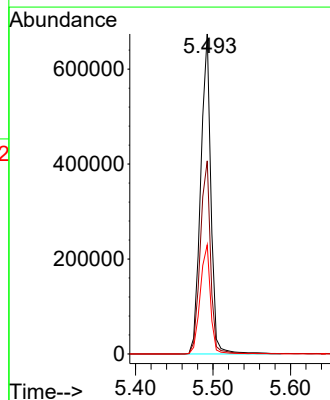
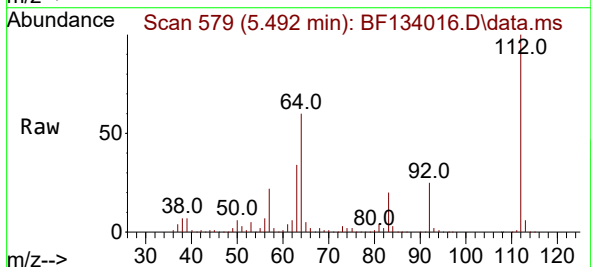
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BNA_F
ClientSampleId :
SB-02-COMP

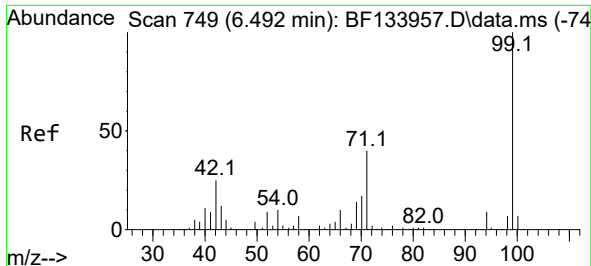
Tgt Ion:152 Resp: 116615
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 62.7 50.2 75.2



#5
2-Fluorophenol
Concen: 88.614 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:112 Resp: 617761
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 34.1 28.6 42.8

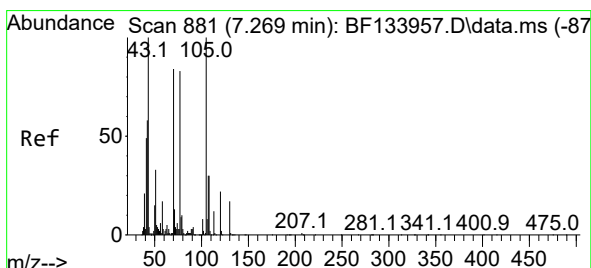
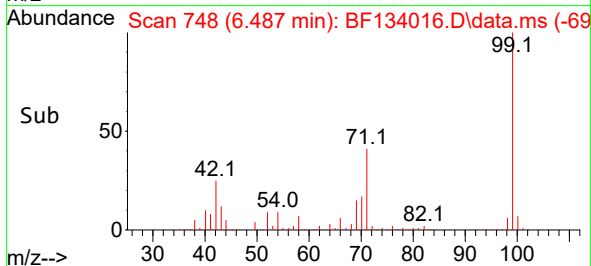
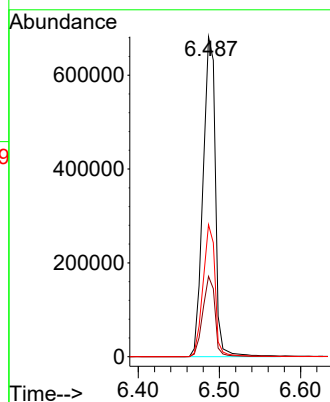
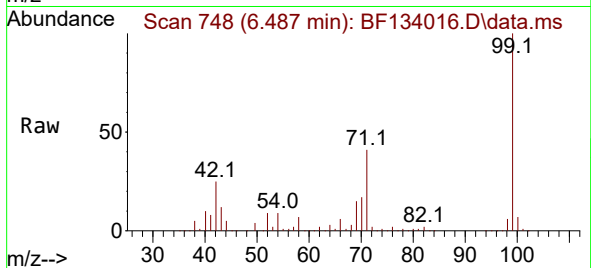




#7
Phenol-d6
Concen: 84.280 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

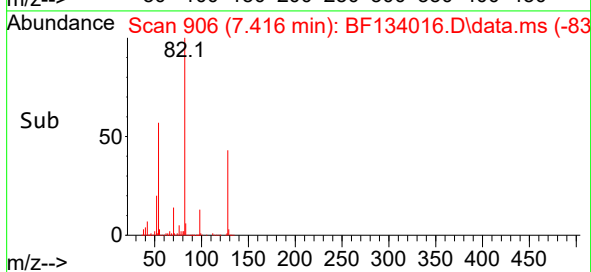
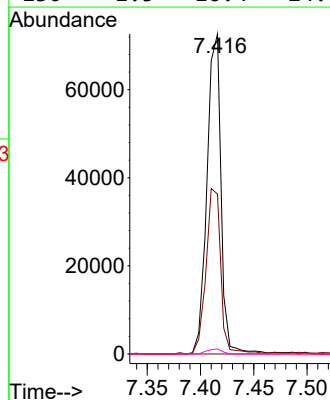
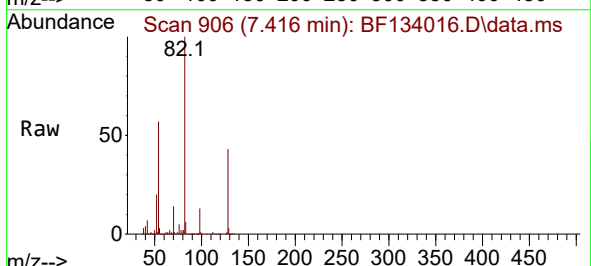
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

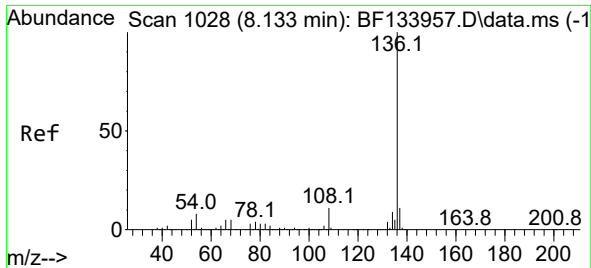
Tgt Ion: 99 Resp: 722568
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.6
71 41.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.371 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion: 70 Resp: 67261
Ion Ratio Lower Upper
70 100
42 50.0 54.7 82.1#
101 0.0 7.7 11.5#
130 1.5 16.4 24.6#

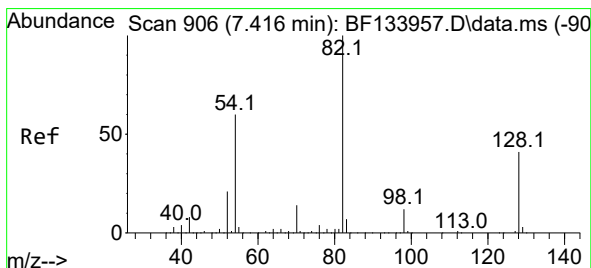
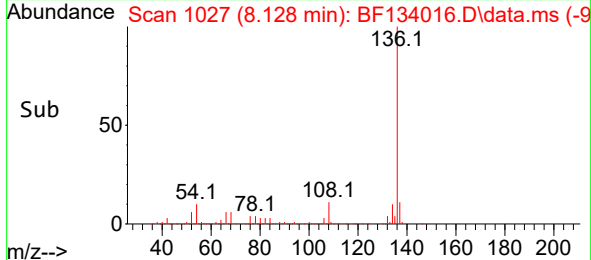
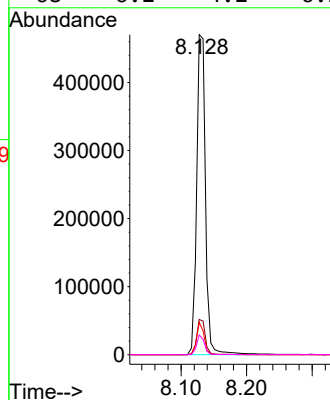
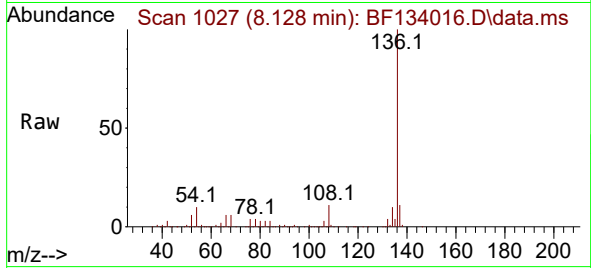




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

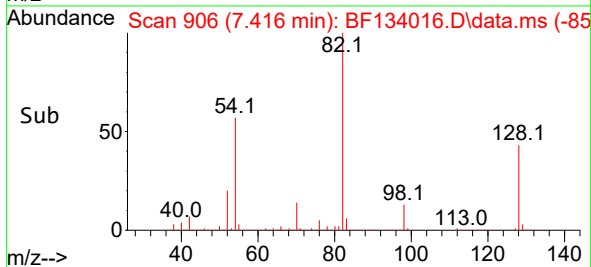
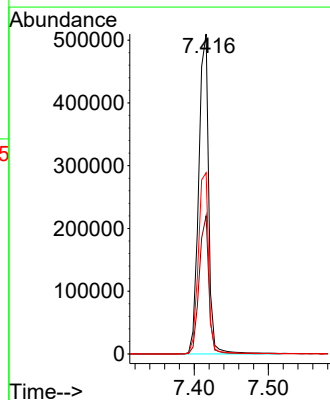
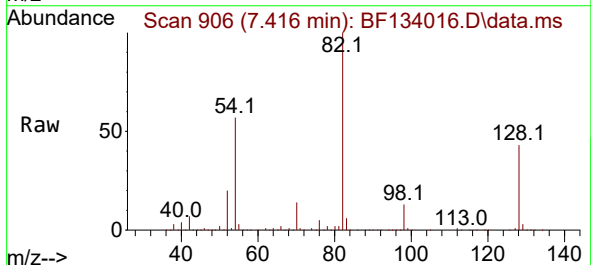
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

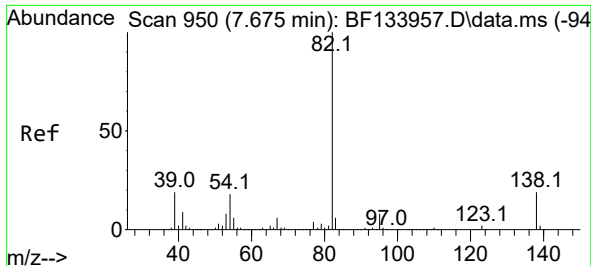
Tgt Ion:136 Resp: 441529
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.0 6.5 9.7#
68 6.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 58.055 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion: 82 Resp: 475521
Ion Ratio Lower Upper
82 100
128 43.2 32.5 48.7
54 56.6 48.2 72.2

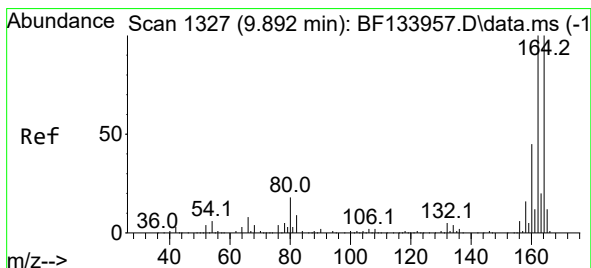
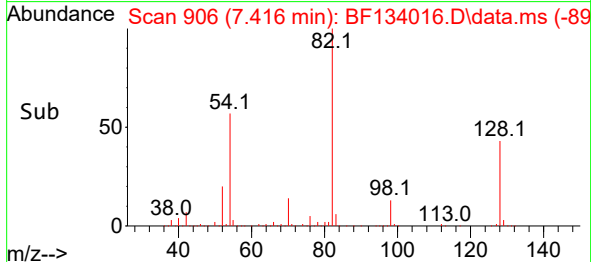
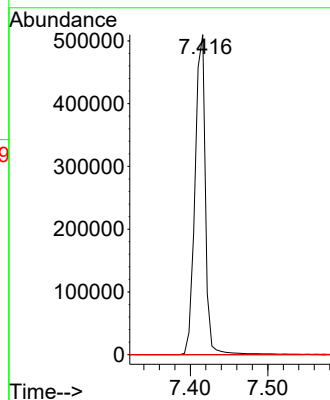
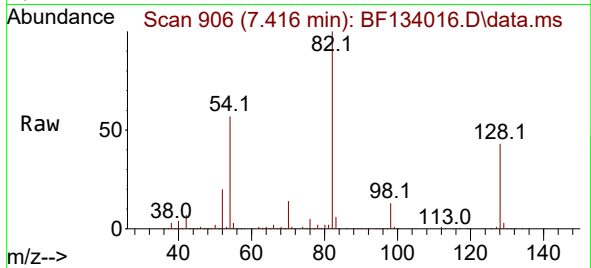




#25
Isophorone
Concen: 31.943 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

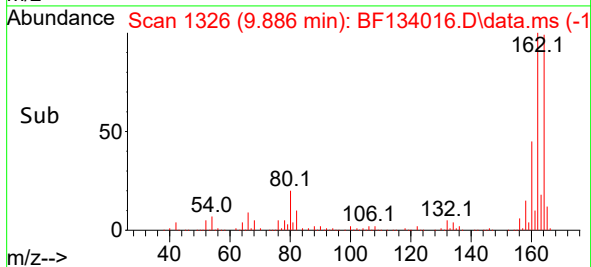
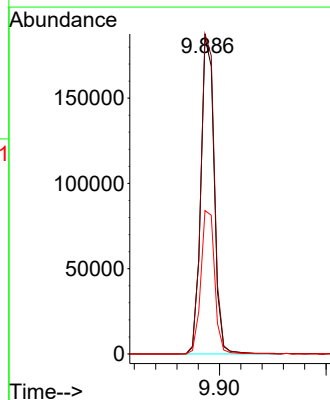
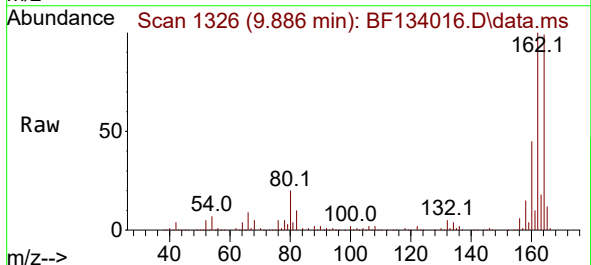
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

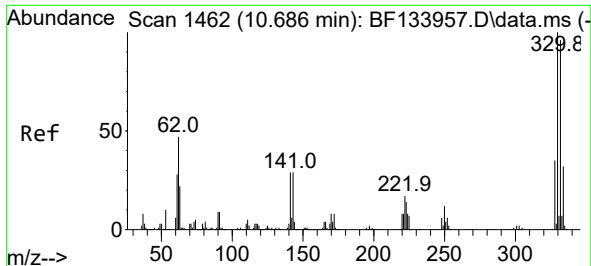
Tgt Ion: 82 Resp: 475515
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:164 Resp: 162306
Ion Ratio Lower Upper
164 100
162 101.0 80.0 120.0
160 45.3 35.9 53.9

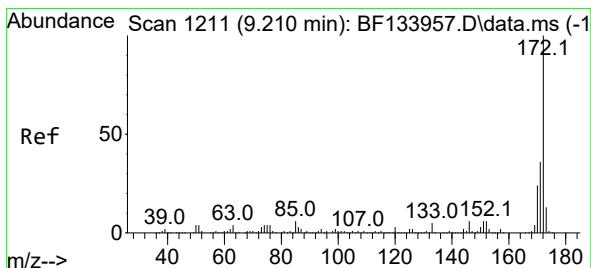
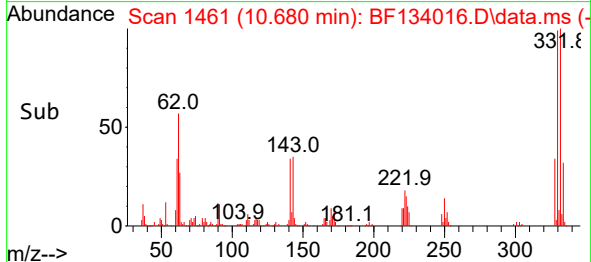
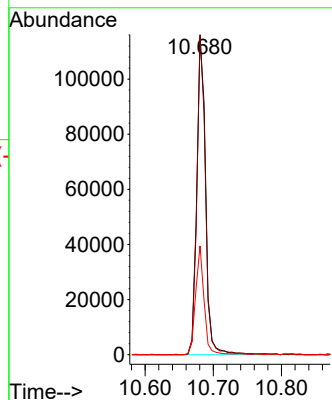
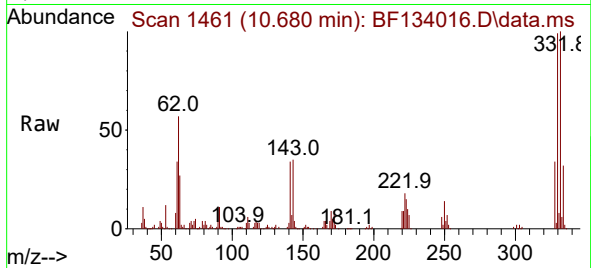




#42
2,4,6-Tribromophenol
Concen: 51.311 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

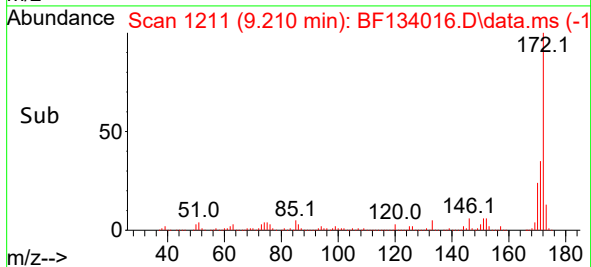
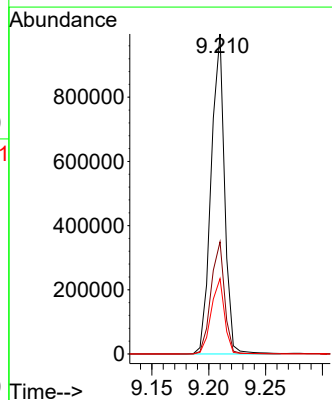
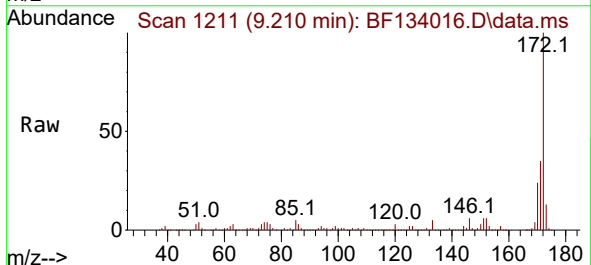
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BNA_F
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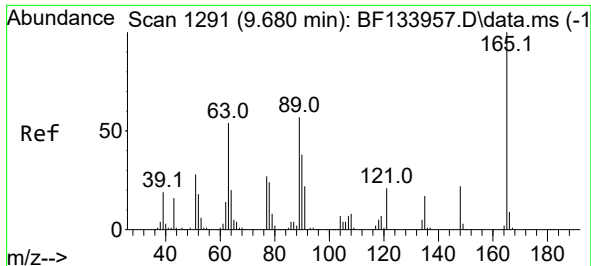
Tgt Ion:330 Resp: 104417
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 32.5 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 73.448 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:172 Resp: 819938
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.5 19.4 29.0

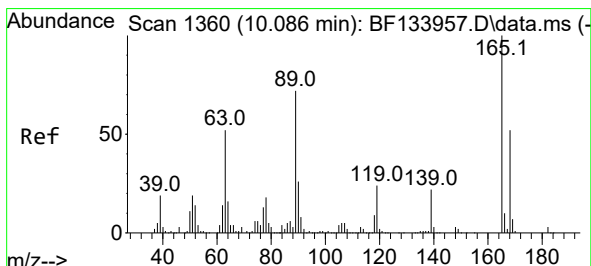
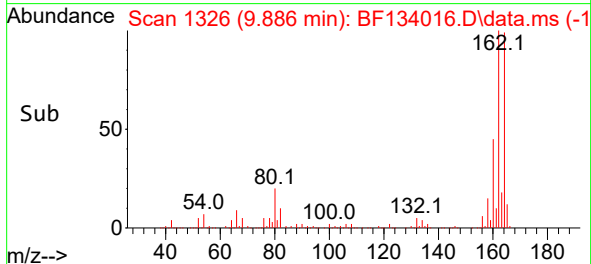
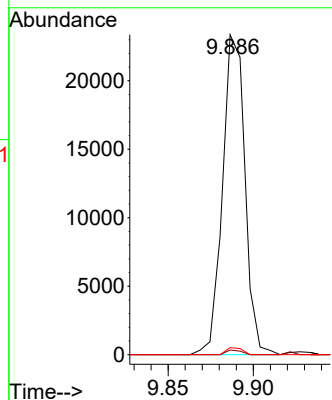
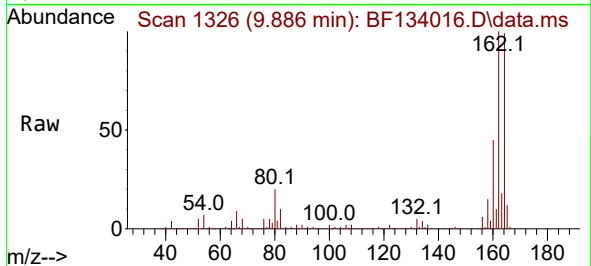




#51
2,6-Dinitrotoluene
Concen: 8.438 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

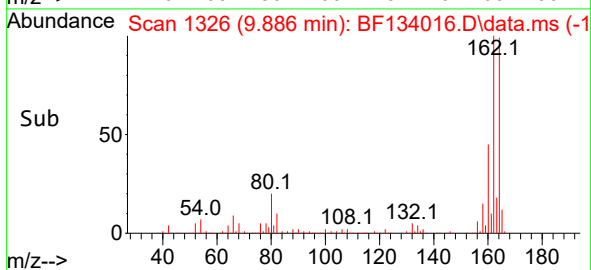
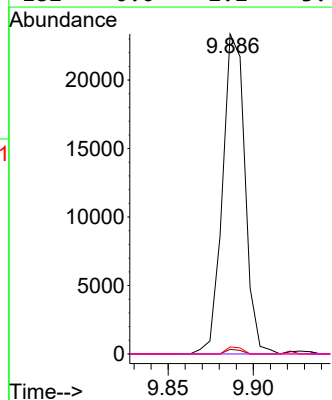
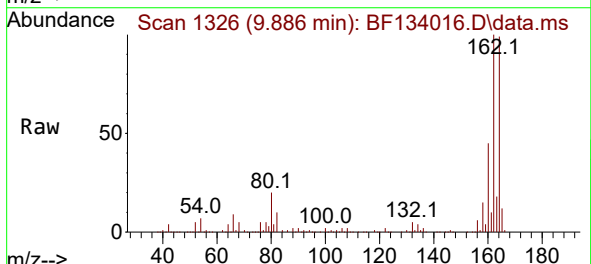
Instrument :
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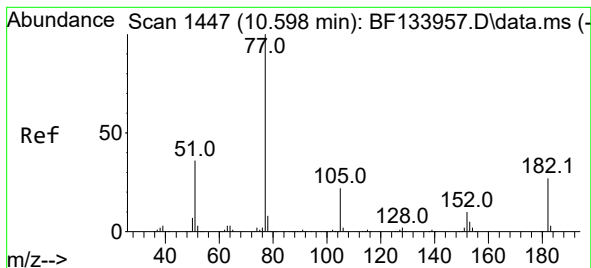
Tgt Ion:165 Resp: 21413
Ion Ratio Lower Upper
165 100
63 1.4 48.5 72.7#
89 2.2 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.390 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:165 Resp: 21413
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 2.2 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.133 ng

RT: 10.604 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion: 77 Resp: 24769

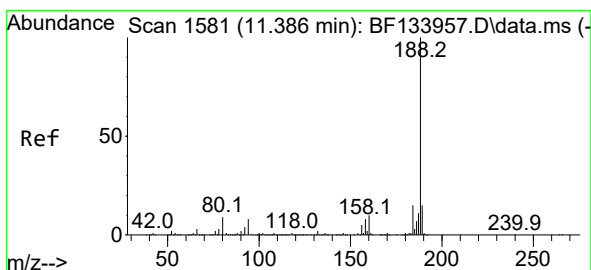
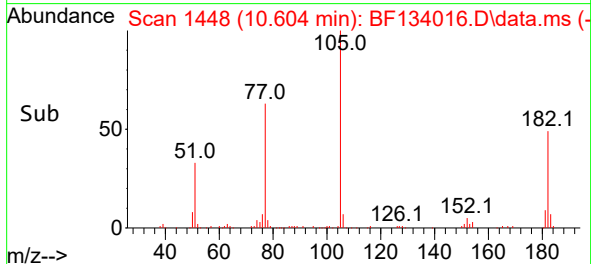
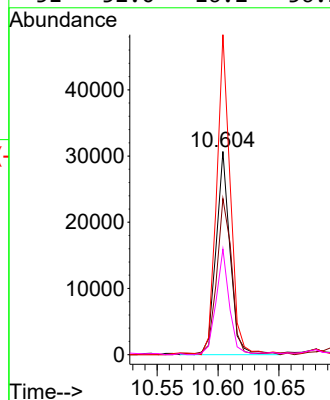
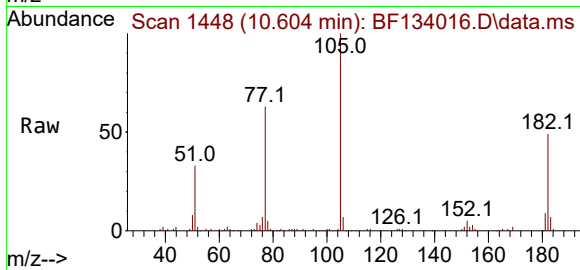
Ion Ratio Lower Upper

77 100

182 76.8 6.8 46.8#

105 157.5 2.3 42.3#

51 52.0 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

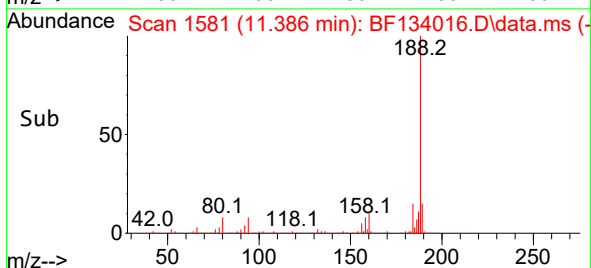
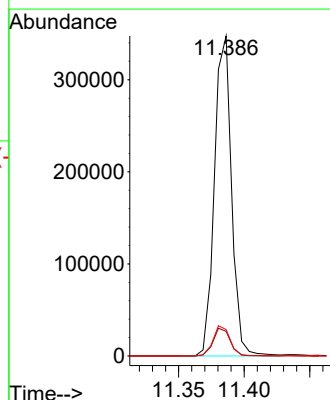
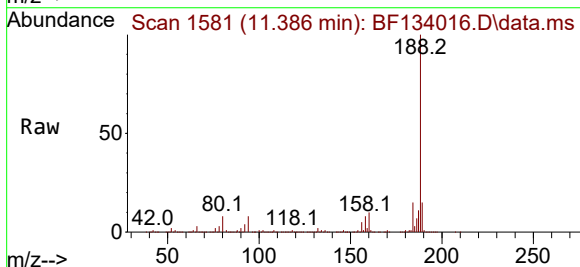
Tgt Ion:188 Resp: 315039

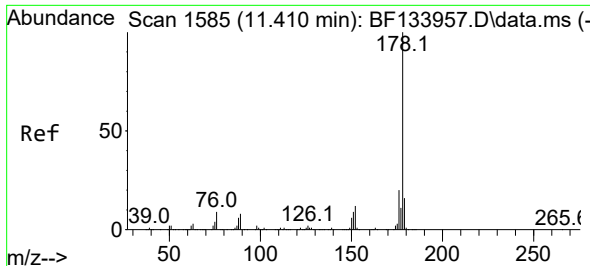
Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

80 8.2 7.3 10.9

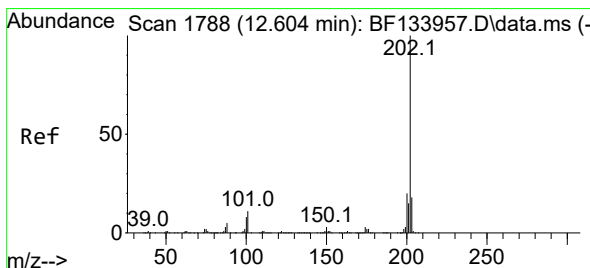
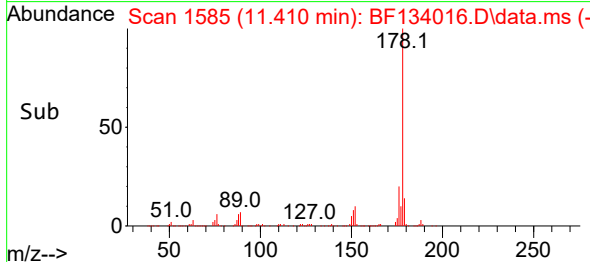
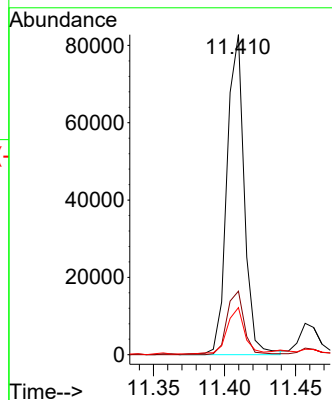
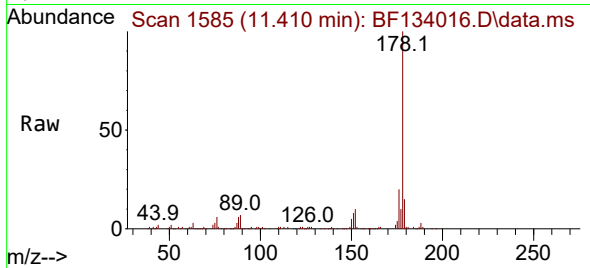




#71
Phenanthrene
Concen: 4.431 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

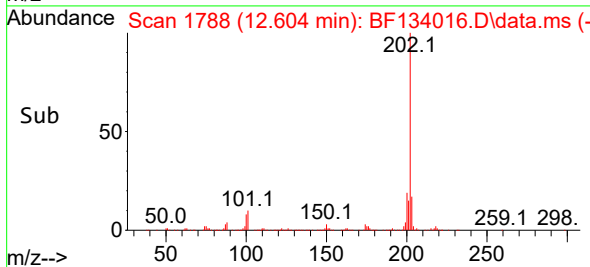
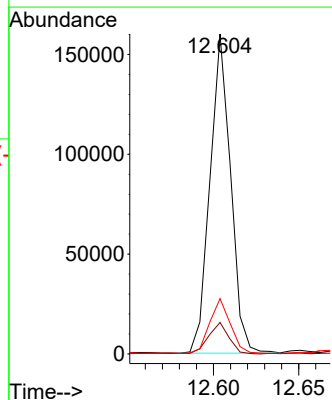
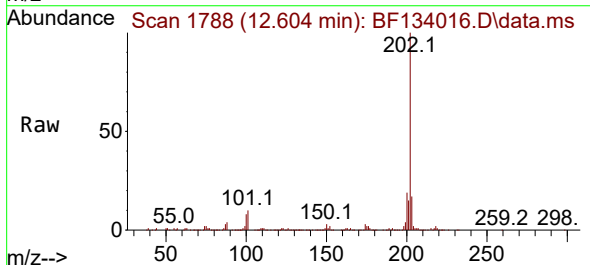
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

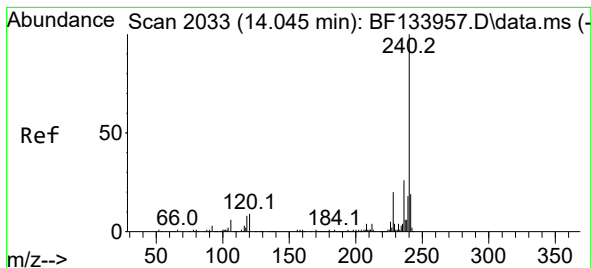
Tgt Ion:178 Resp: 70267
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 14.7 12.4 18.6



#75
Fluoranthene
Concen: 7.870 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:202 Resp: 134937
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.0
203 17.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

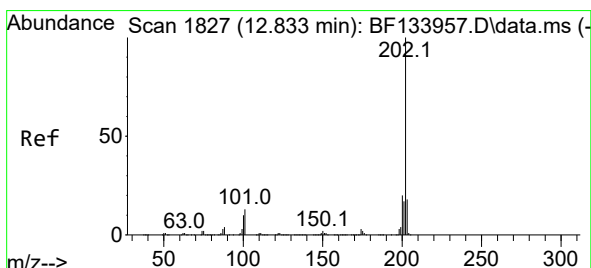
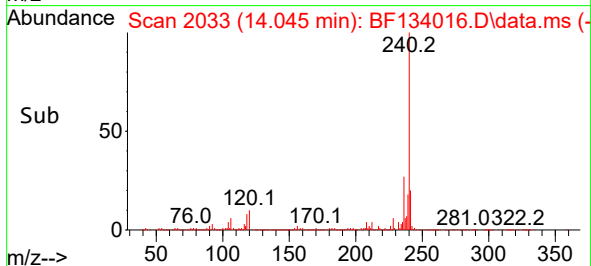
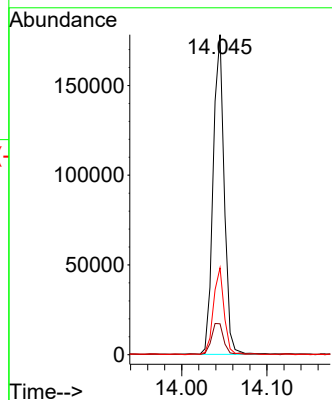
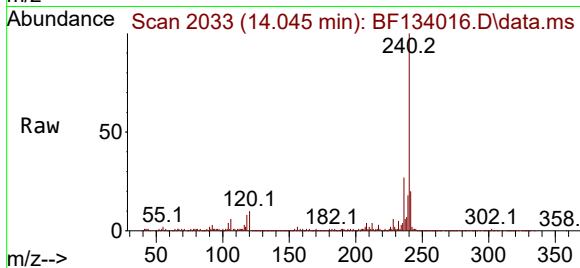
Tgt Ion:240 Resp: 161013

Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.0

236 27.2 21.0 31.6



#78

Pyrene

Concen: 10.851 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

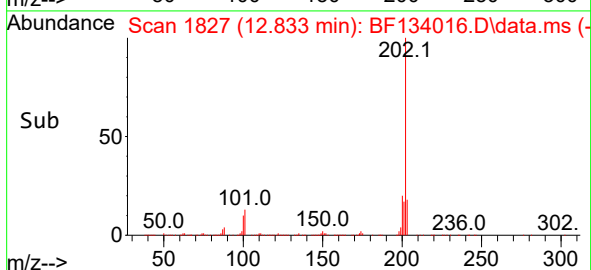
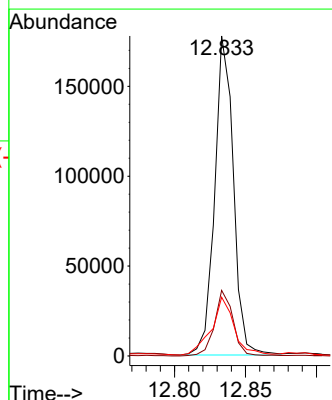
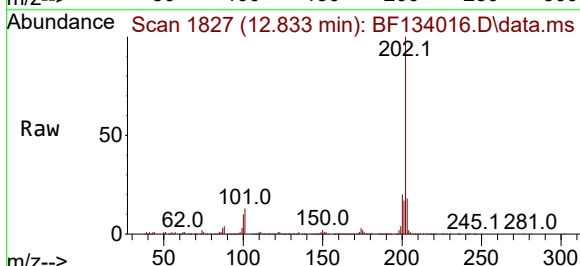
Tgt Ion:202 Resp: 162590

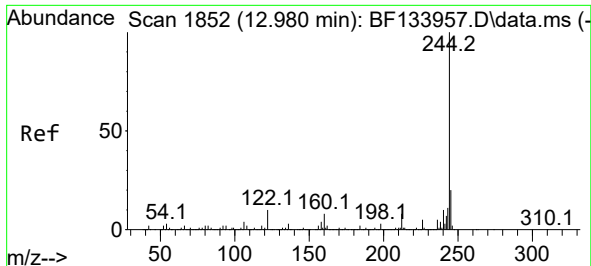
Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

203 18.3 14.3 21.5

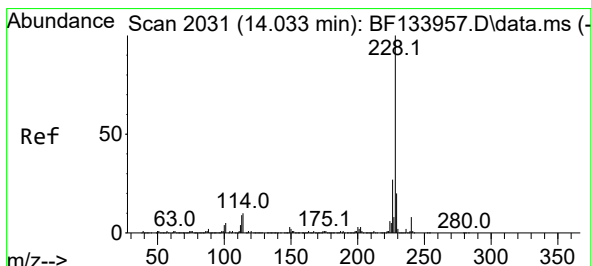
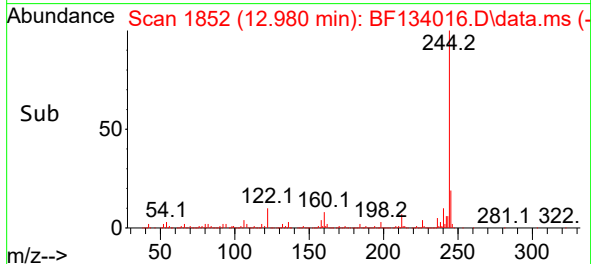
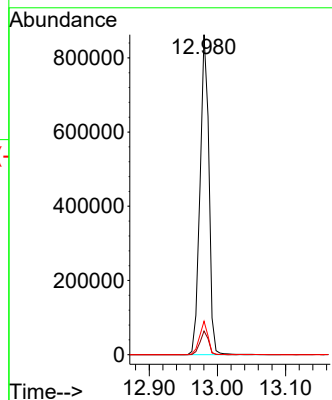
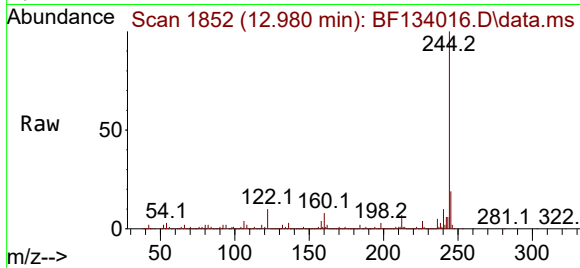




#79
 Terphenyl-d14
 Concen: 77.639 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134016.D
 Acq: 28 Jun 2023 06:24

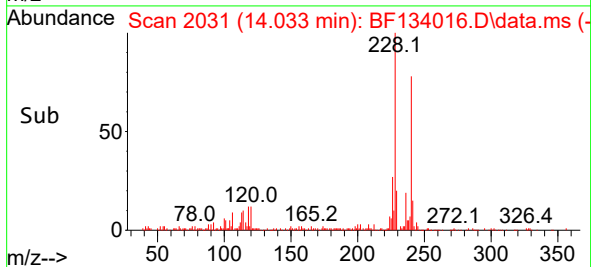
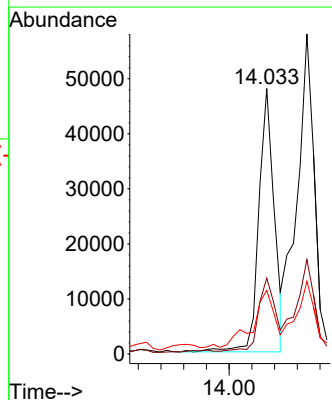
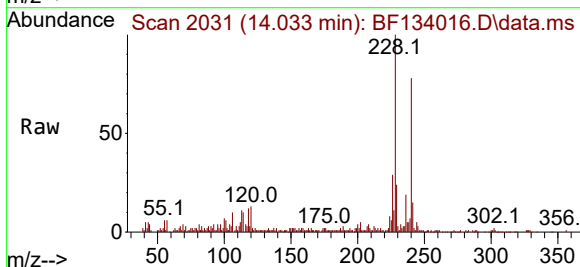
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

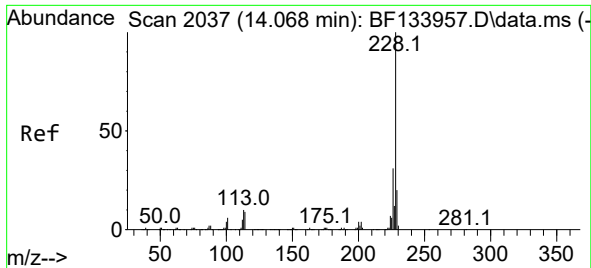
Tgt Ion:244 Resp: 776729
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 10.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.051 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134016.D
 Acq: 28 Jun 2023 06:24

Tgt Ion:228 Resp: 45236
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 23.9 16.3 24.5

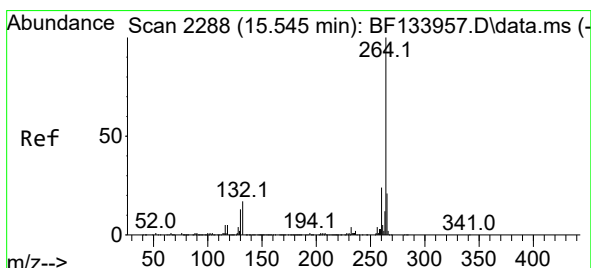
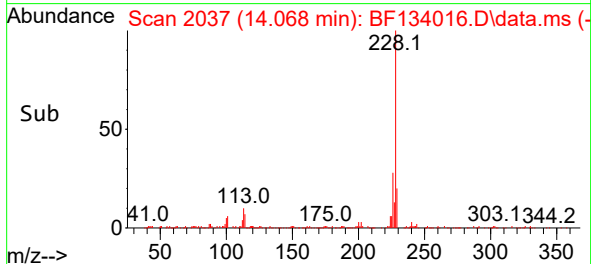
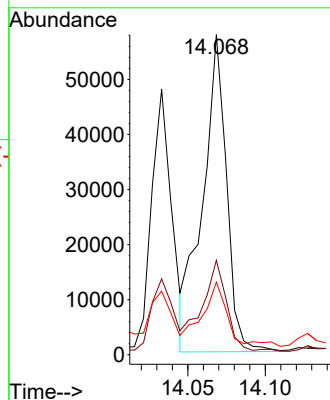
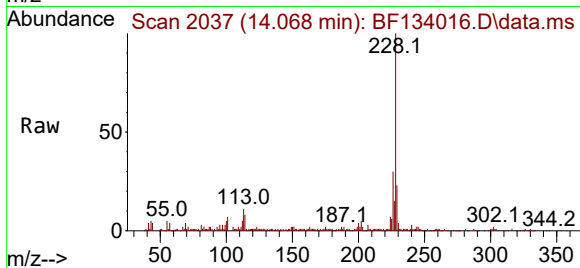




#83
Chrysene
Concen: 5.734 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

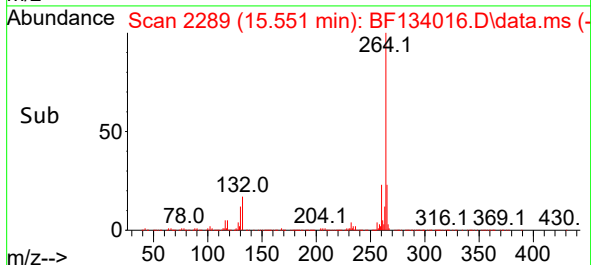
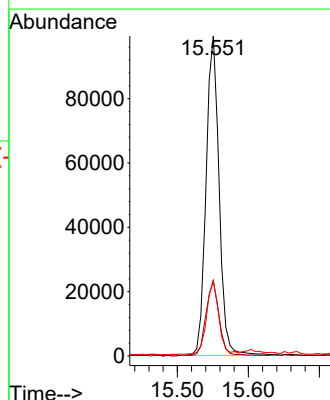
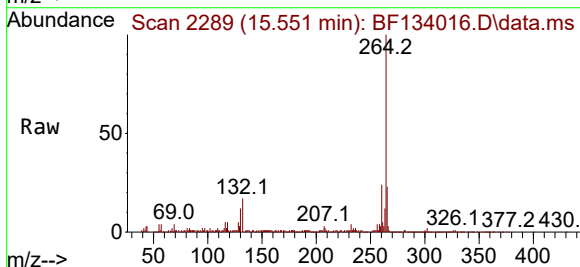
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

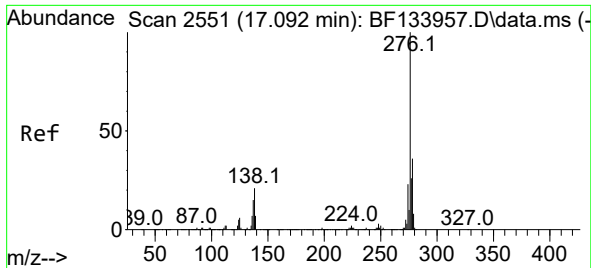
Tgt Ion:228 Resp: 62019
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 22.7 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134016.D
Acq: 28 Jun 2023 06:24

Tgt Ion:264 Resp: 127308
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 23.5 16.6 25.0

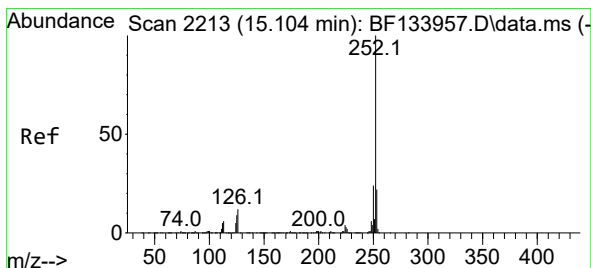
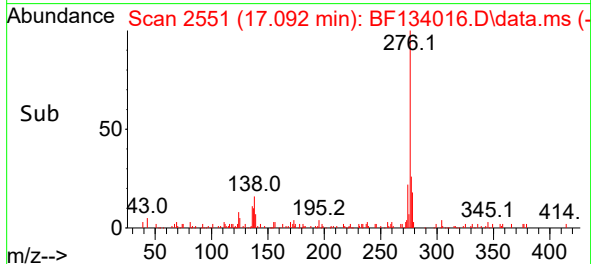
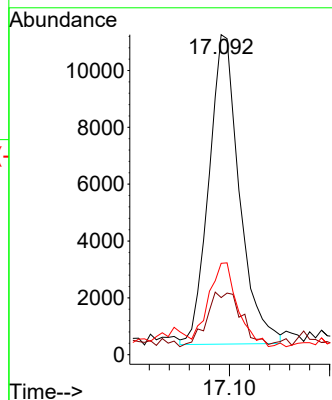
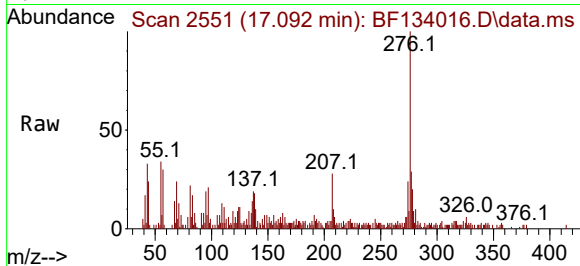




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.603 ng
 RT: 17.092 min Scan# 2551
 Delta R.T. 0.000 min
 Lab File: BF134016.D
 Acq: 28 Jun 2023 06:24

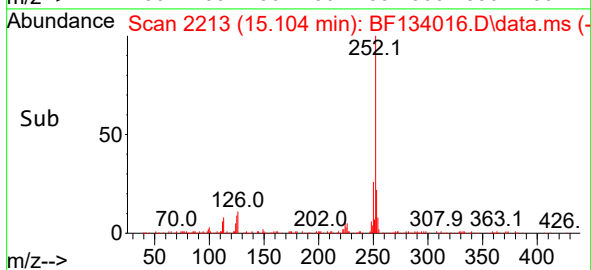
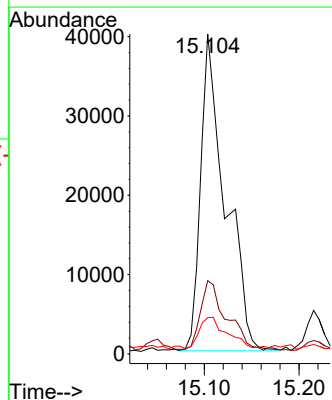
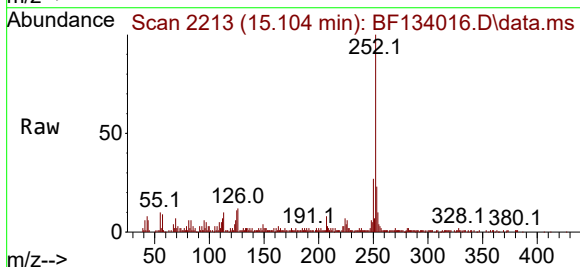
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

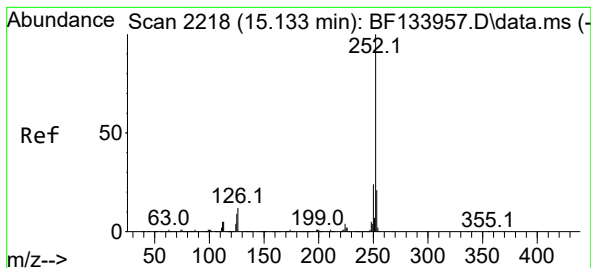
Tgt Ion:	276	Resp:	22991
Ion Ratio	Lower	Upper	
276	100		
138	20.3	18.7	28.1
277	25.0	19.9	29.9



#88
 Benzo(b)fluoranthene
 Concen: 9.660 ng
 RT: 15.104 min Scan# 2213
 Delta R.T. 0.000 min
 Lab File: BF134016.D
 Acq: 28 Jun 2023 06:24

Tgt Ion:	252	Resp:	72314
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	11.3	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 9.488 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

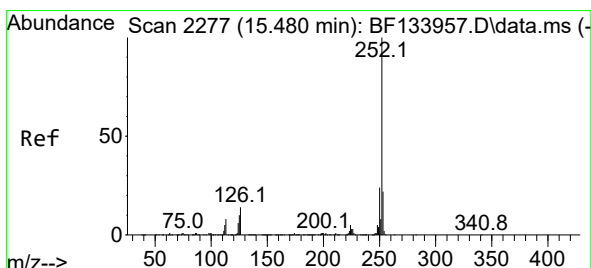
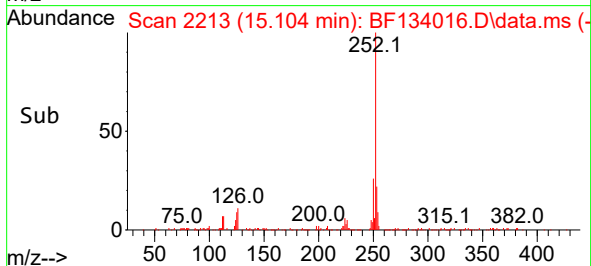
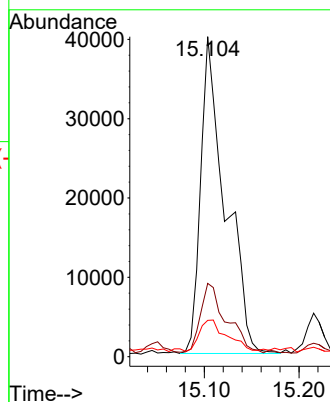
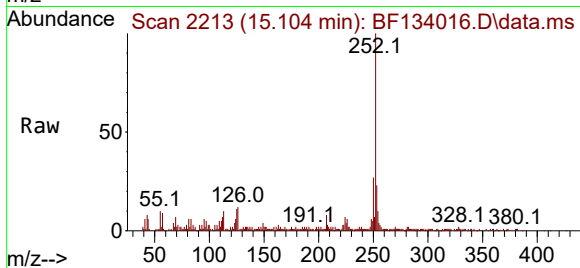
Tgt Ion:252 Resp: 72314

Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 11.3 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.237 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.059 min

Lab File: BF134016.D

Acq: 28 Jun 2023 06:24

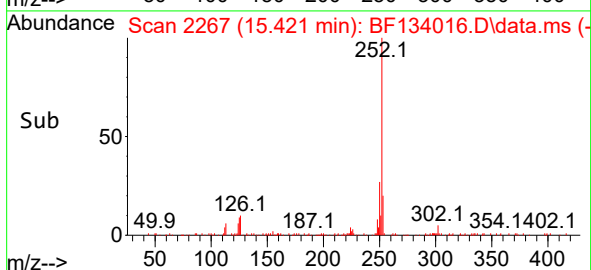
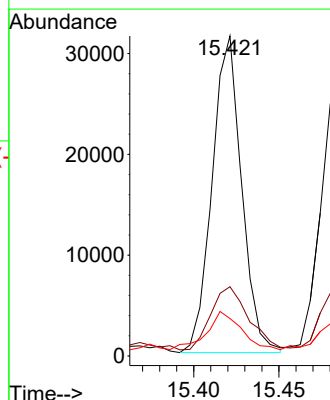
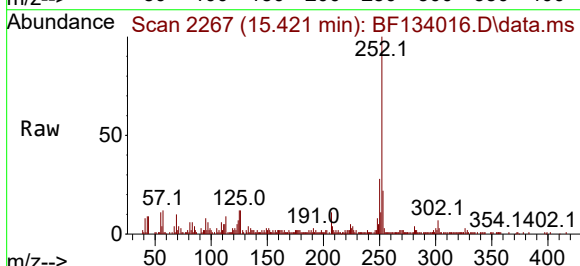
Tgt Ion:252 Resp: 37911

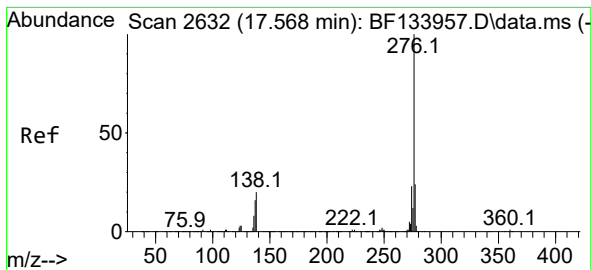
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 11.7 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 4.015 ng

RT: 17.568 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134016.D

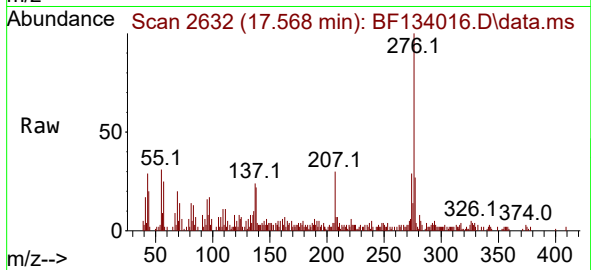
Acq: 28 Jun 2023 06:24

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP



Tgt Ion:276 Resp: 29878

Ion Ratio Lower Upper

276 100

277 26.7 19.0 28.6

138 21.9 16.2 24.2

