

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133645.D
 Acq On : 08 Jun 2023 17:10
 Operator : CG\JU
 Sample : 03029-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

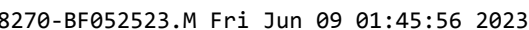
Quant Time: Jun 09 01:45:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

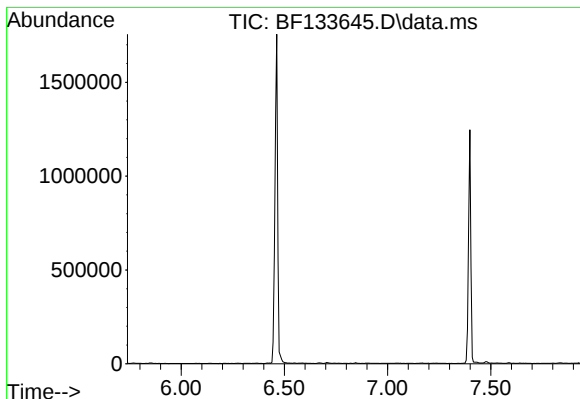
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.84
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.12
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.88
64) Phenanthrene-d10	11.363	188	68	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	556	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	149	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	431426	0.000	ng	0.00
7) Phenol-d6	6.463	99	510328	0.000	ng	0.00
23) Nitrobenzene-d5	7.398	82	316520	0.000	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	116314	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	568735	0.000	ng	0.00
79) Terphenyl-d14	12.957	244	520266	16637.137	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	10.663	198	227	676.878	ng	# 1
66) n-Nitrosodiphenylamine	10.663	169	3590	1626.174	ng	# 45
67) 4-Bromophenyl-phenylether	10.669	248	7230	10011.613	ng	# 1
71) Phenanthrene	11.386	178	1101	319.673	ng	# 86
72) Anthracene	11.439	178	507	143.031	ng	# 10
73) Carbazole	11.598	167	513	153.032	ng	# 40
74) Di-n-butylphthalate	11.927	149	1707	430.632	ng	# 89
75) Fluoranthene	12.810	202	2604	684.485	ng	68
77) Benzidine	12.698	184	354	21.769	ng	# 1
78) Pyrene	12.810	202	2937	62.076	ng	# 77
80) Butylbenzylphthalate	13.563	149	644	34.402	ng	91
81) Benzo(a)anthracene	14.021	228	4141	111.801	ng	# 40
82) 3,3'-Dichlorobenzidine	13.980	252	173	14.941	ng	# 59
83) Chrysene	14.021	228	4141	110.748	ng	# 44
84) Bis(2-ethylhexyl)phtha...	13.992	149	2688	114.875	ng	# 57
85) Di-n-octyl phthalate	14.627	149	738	18.933	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.939	276	458	48.256	ng	# 1
88) Benzo(b)fluoranthene	15.045	252	3027	311.982	ng	# 1
89) Benzo(k)fluoranthene	15.045	252	3027	319.958	ng	# 1
90) Benzo(a)pyrene	15.421	252	1306	147.927	ng	# 1
91) Dibenzo(a,h)anthracene	16.945	278	421	54.710	ng	# 1
92) Benzo(g,h,i)perylene	17.392	276	1744	224.765	ng	# 44

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

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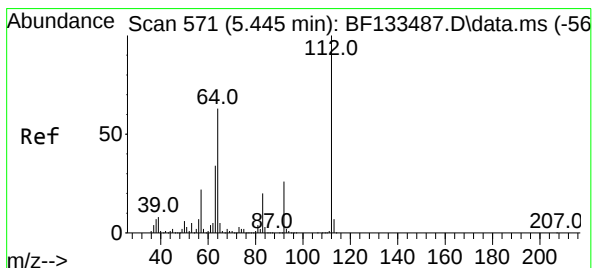
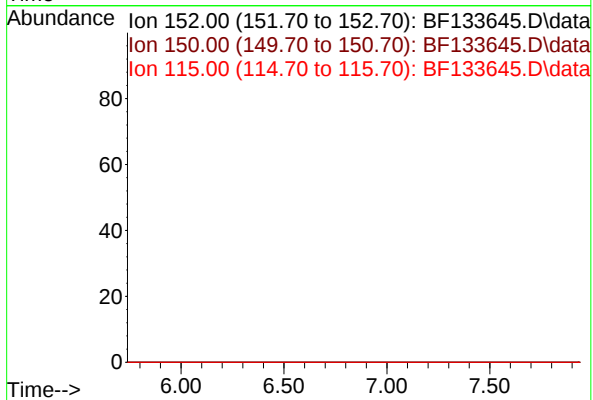


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF133645.D
 Acq: 08 Jun 2023 17:10

Instrument :
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Tgt Ion: 152

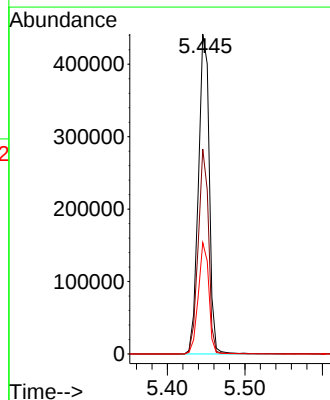
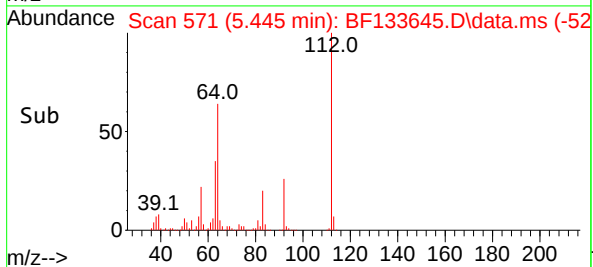
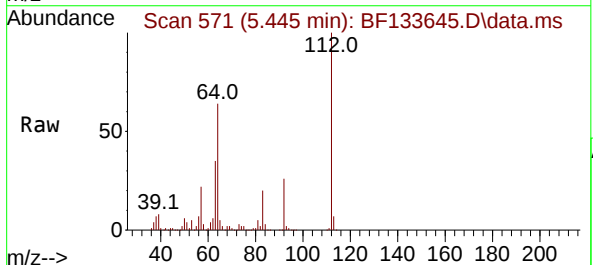
Sig	Exp Ratio
152	100
150	156.1
115	60.1

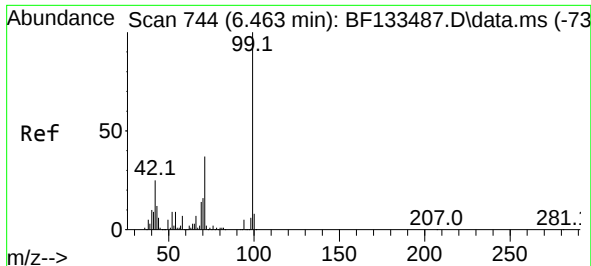


#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.445 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: BF133645.D
 Acq: 08 Jun 2023 17:10

Tgt Ion: 112 Resp: 431426

Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.1	75.1
63	34.8	27.5	41.3

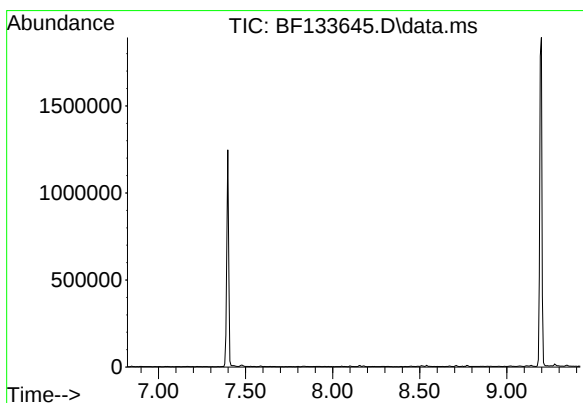
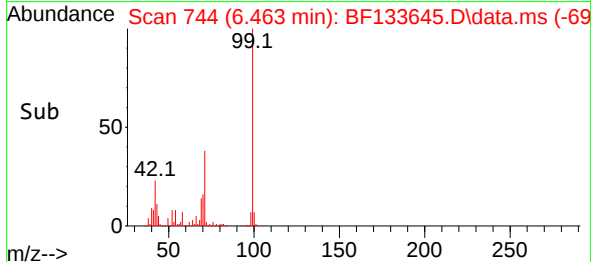
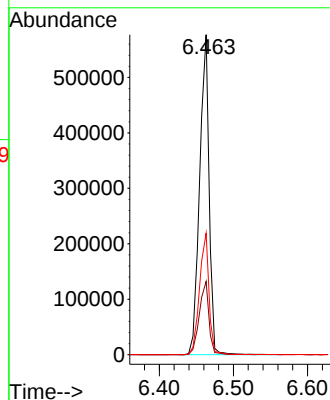
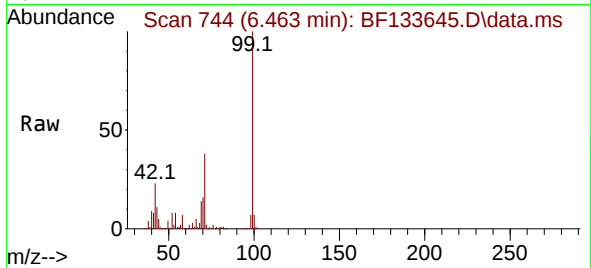




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Instrument :
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ClientSampleId :
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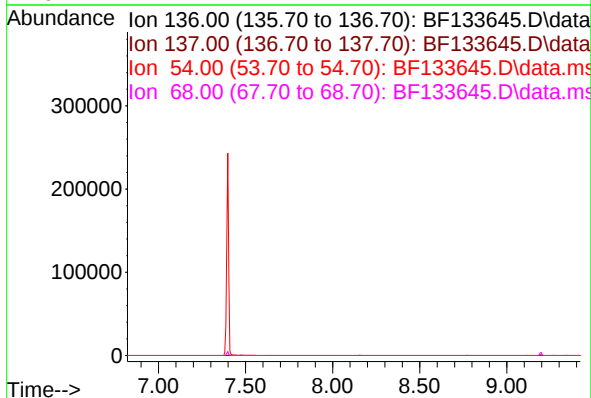
Tgt Ion: 99 Resp: 510328
Ion Ratio Lower Upper
99 100
42 22.9 19.7 29.5
71 38.0 29.8 44.8

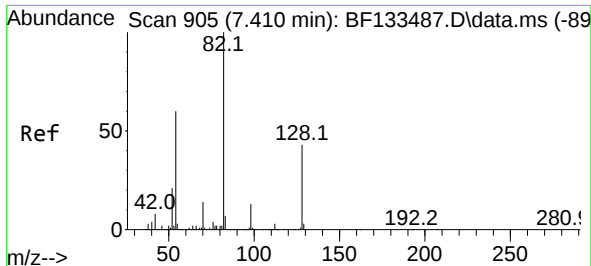


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.12 min

Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion: 136
Sig Exp Ratio
136 100
137 10.3
54 8.3
68 5.8





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Instrument :

BNA_F

ClientSampleId :

TP-9

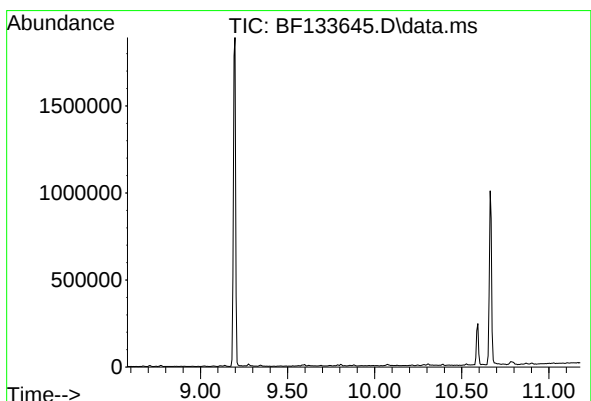
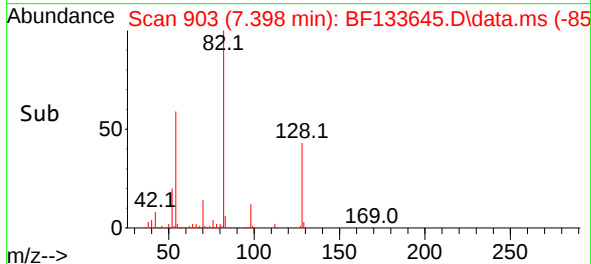
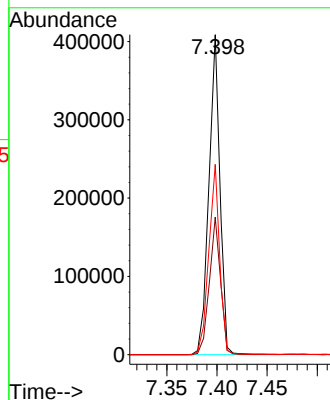
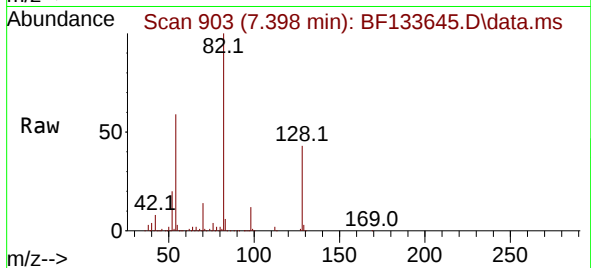
Tgt Ion: 82 Resp: 316520

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.4

54 59.4 48.2 72.4



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.88 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

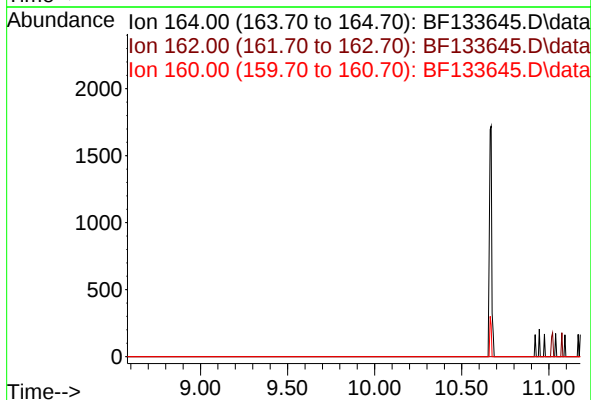
Tgt Ion: 164

Sig Exp Ratio

164 100

162 99.6

160 44.2

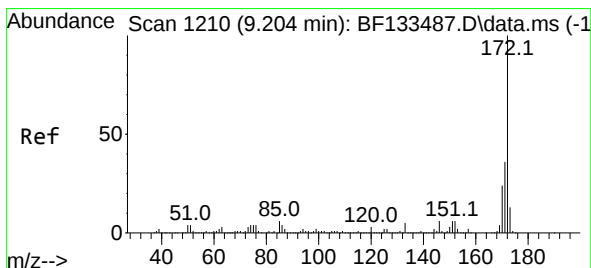
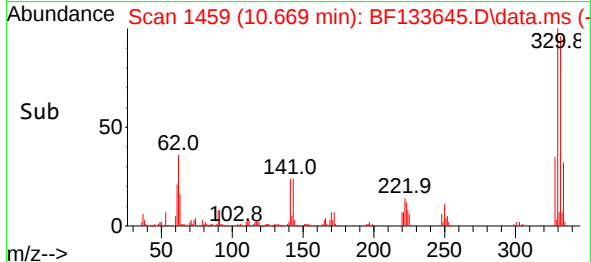
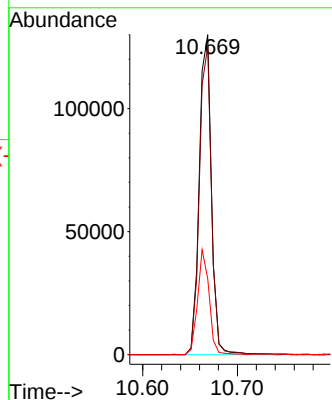
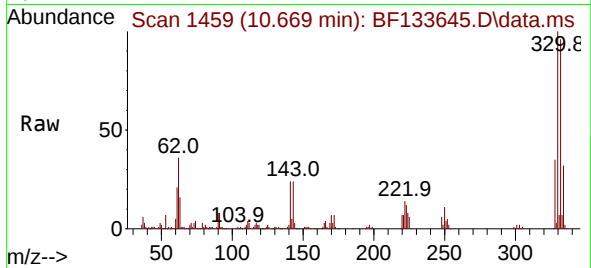




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

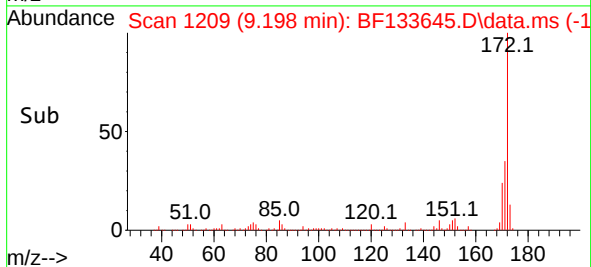
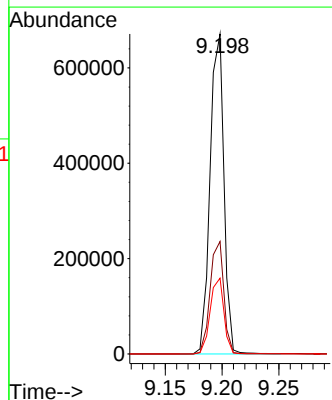
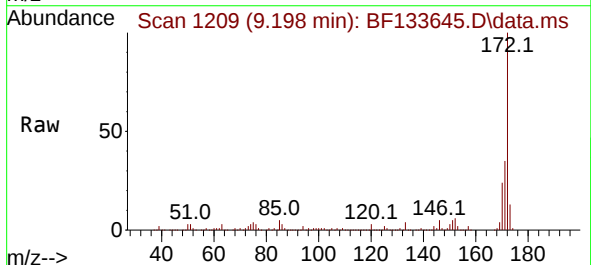
Instrument :
BNA_F
ClientSampleId :
TP-9

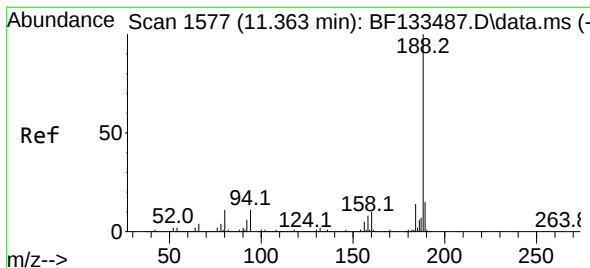
Tgt Ion: 330 Resp: 116314
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 31.1 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion: 172 Resp: 568735
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.7 19.3 28.9

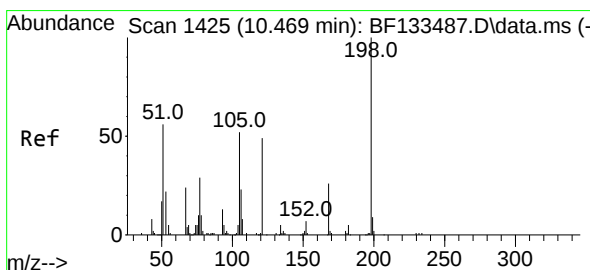
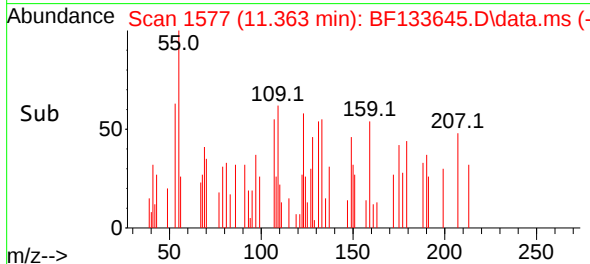
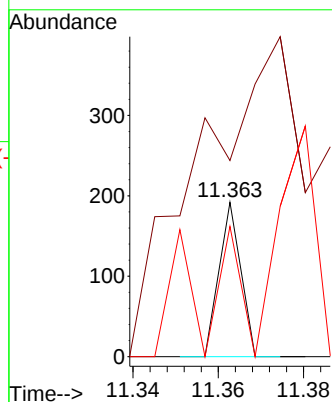
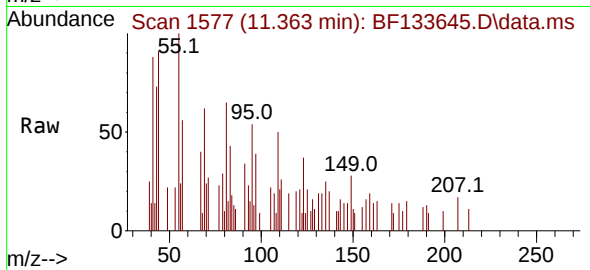




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

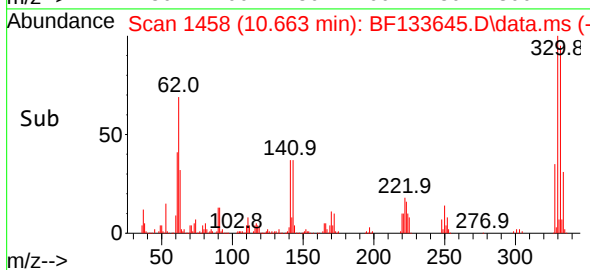
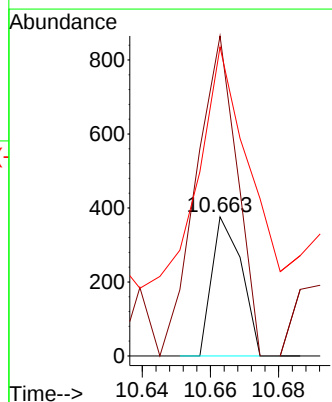
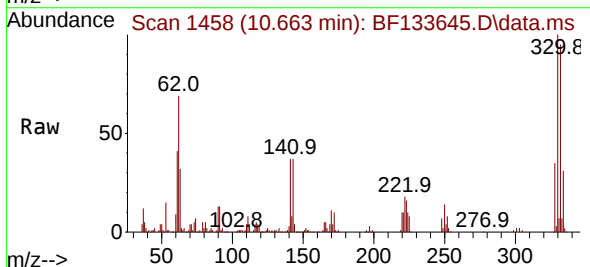
Instrument :
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ClientSampleId :
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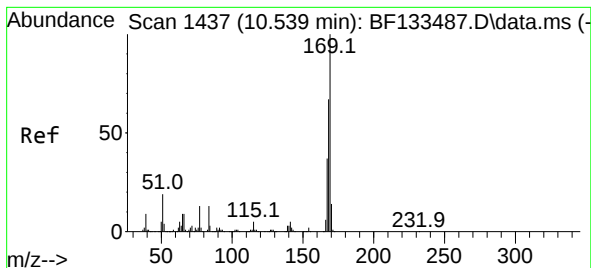
Tgt Ion:188 Resp: 68
Ion Ratio Lower Upper
188 100
94 127.1 8.6 12.8#
80 84.4 9.2 13.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 676.878 ng
RT: 10.663 min Scan# 1458
Delta R.T. 0.182 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion:198 Resp: 227
Ion Ratio Lower Upper
198 100
51 230.1 53.6 93.6#
105 222.1 35.9 75.9#





#66

n-Nitrosodiphenylamine

Concen: 1626.174 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.124 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Instrument :

BNA_F

ClientSampleId :

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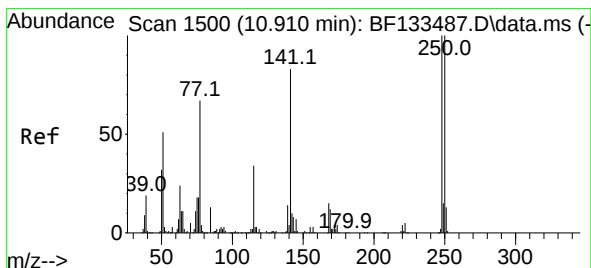
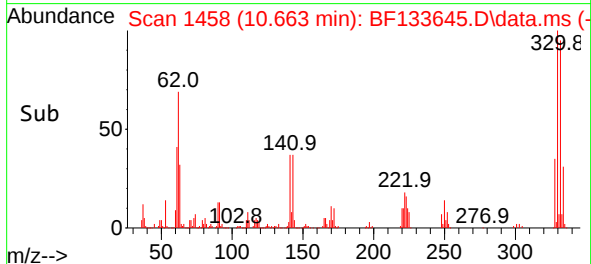
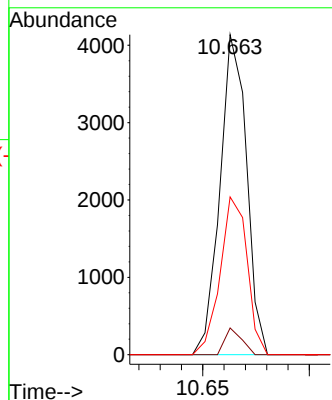
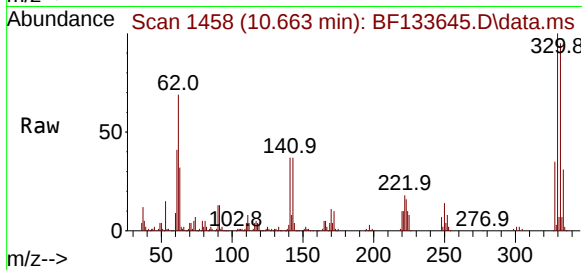
Tgt Ion:169 Resp: 3590

Ion Ratio Lower Upper

169 100

168 8.3 53.7 80.5#

167 49.3 29.6 44.4#



#67

4-Bromophenyl-phenylether

Concen: 10011.613 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.241 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

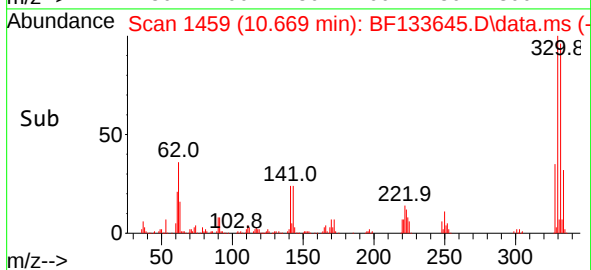
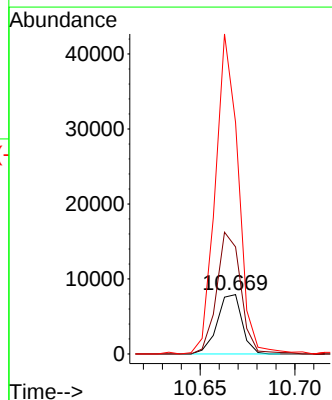
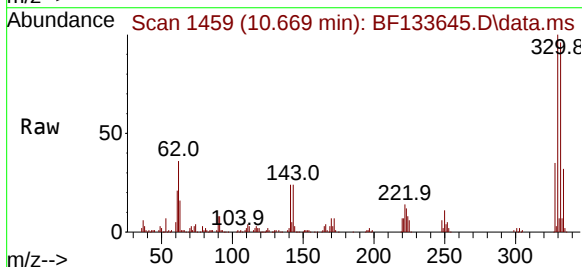
Tgt Ion:248 Resp: 7230

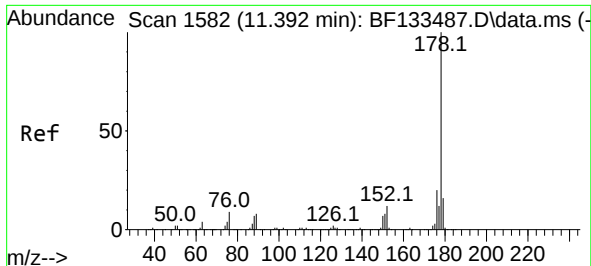
Ion Ratio Lower Upper

248 100

250 180.2 79.7 119.5#

141 389.5 66.6 100.0#

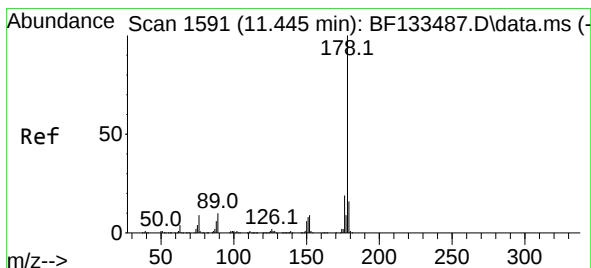
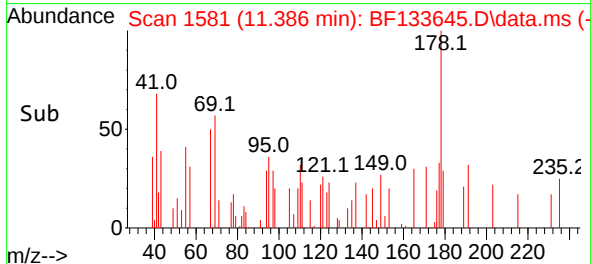
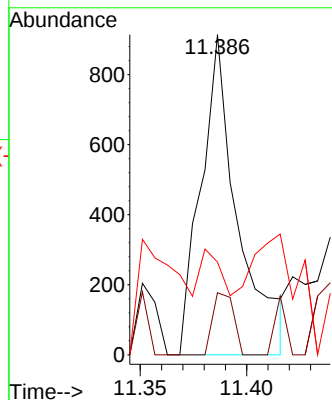
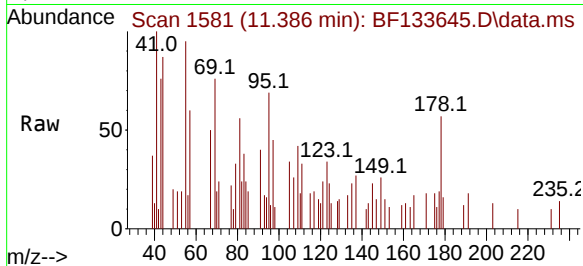




#71
Phenanthrene
Concen: 319.673 ng
RT: 11.386 min Scan# 1101
Delta R.T. -0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

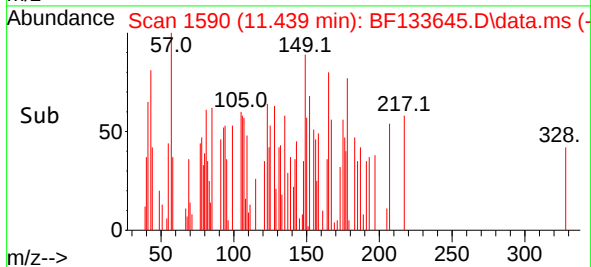
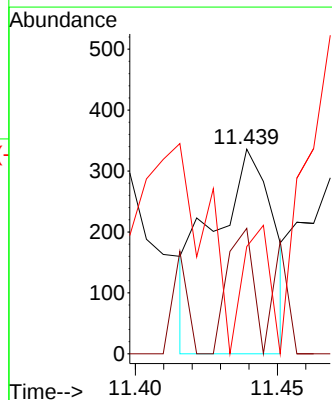
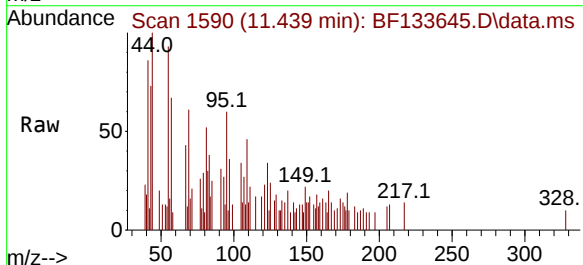
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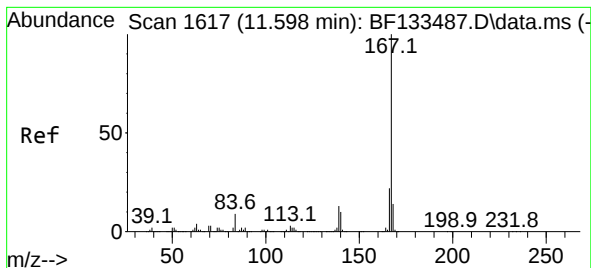
Tgt Ion:178 Resp: 1101
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 29.0 12.4 18.6#



#72
Anthracene
Concen: 143.031 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion:178 Resp: 507
Ion Ratio Lower Upper
178 100
176 61.3 15.3 22.9#
179 52.4 12.6 18.8#





#73

Carbazole

Concen: 153.032 ng

RT: 11.598 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

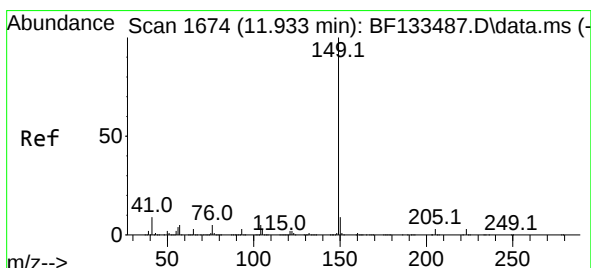
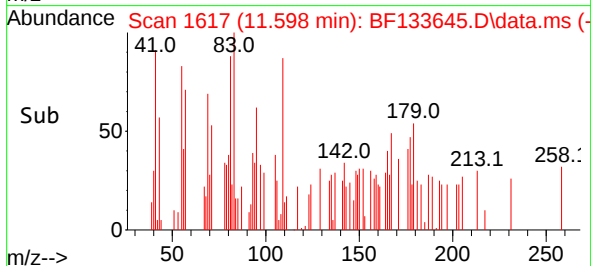
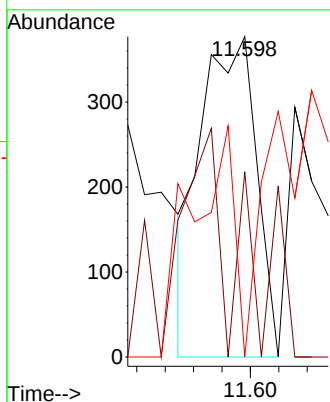
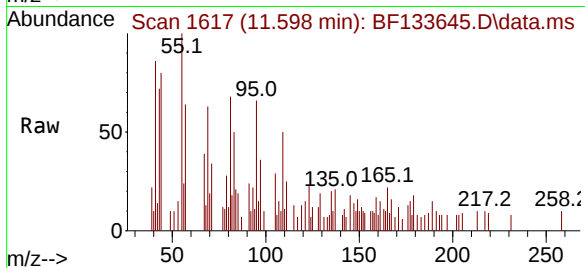
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	167	Resp:	513
Ion Ratio	Lower	Upper	
167	100		
166	57.8	17.3	25.9#
139	0.0	10.7	16.1#



#74

Di-n-butylphthalate

Concen: 430.632 ng

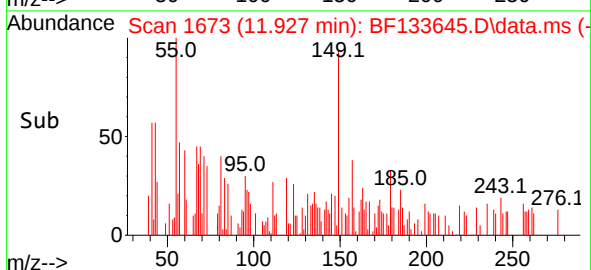
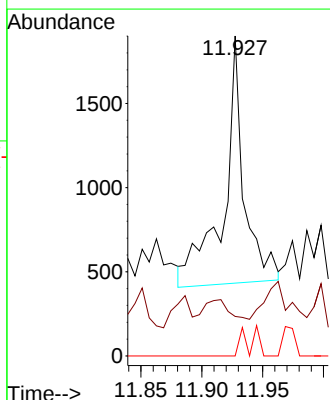
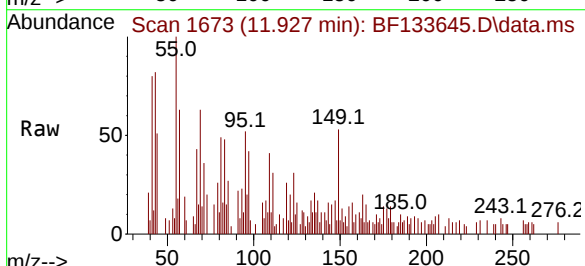
RT: 11.927 min Scan# 1673

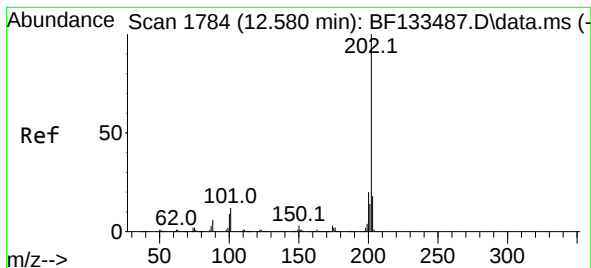
Delta R.T. -0.006 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Tgt Ion:	149	Resp:	1707
Ion Ratio	Lower	Upper	
149	100		
150	12.4	7.4	11.2#
104	0.0	3.9	5.9#





#75

Fluoranthene

Concen: 684.485 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.224 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

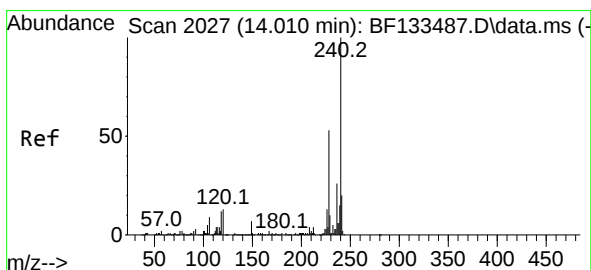
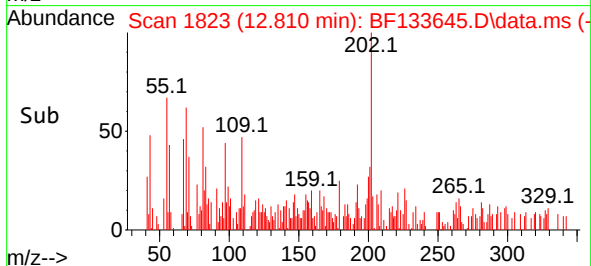
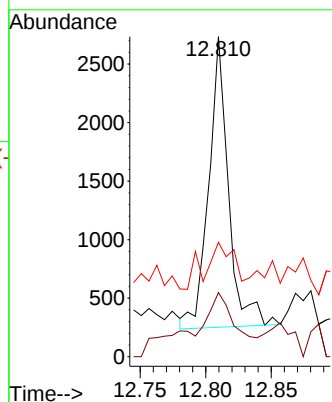
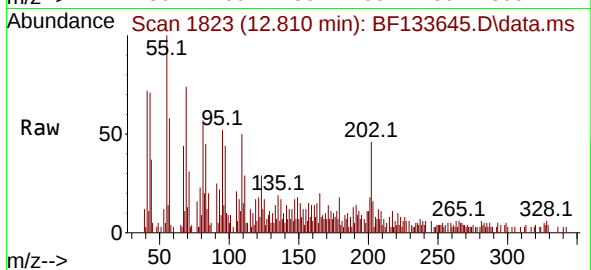
Instrument :

BNA_F

ClientSampleId :

TP-9

Tgt Ion:	202	Resp:	2604
Ion Ratio	Lower	Upper	
202	100		
101	20.0	0.0	32.2
203	35.8	0.0	37.8



#76

Chrysene-d12

Concen: 20.000 ng

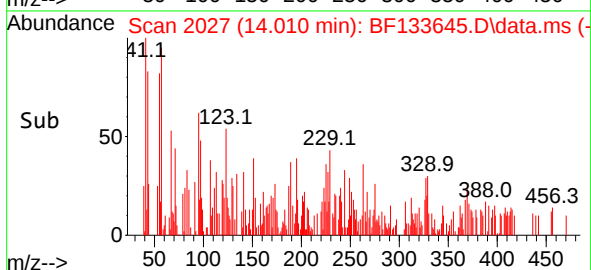
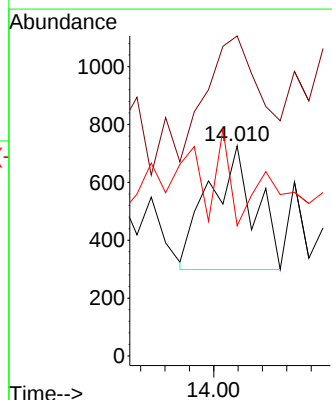
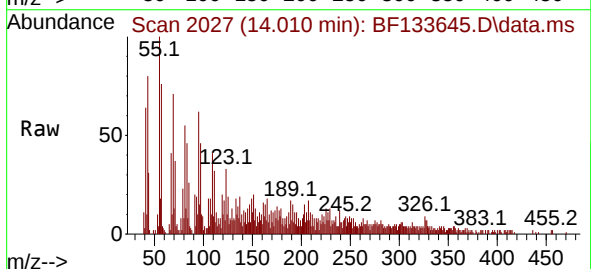
RT: 14.010 min Scan# 2027

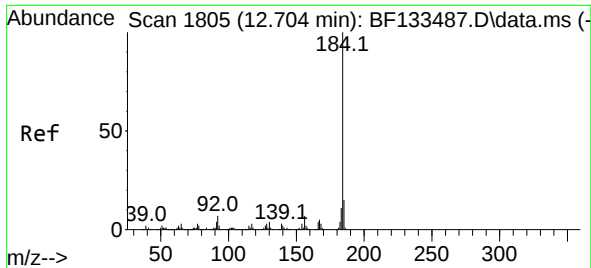
Delta R.T. -0.006 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Tgt Ion:	240	Resp:	556
Ion Ratio	Lower	Upper	
240	100		
120	152.3	10.3	15.5#
236	62.0	20.5	30.7#

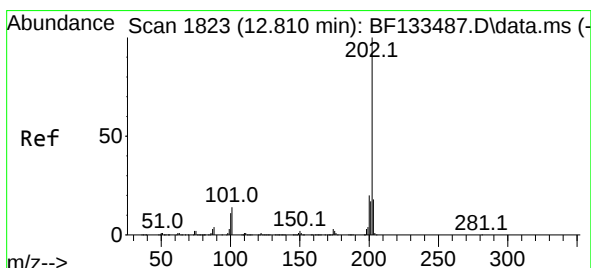
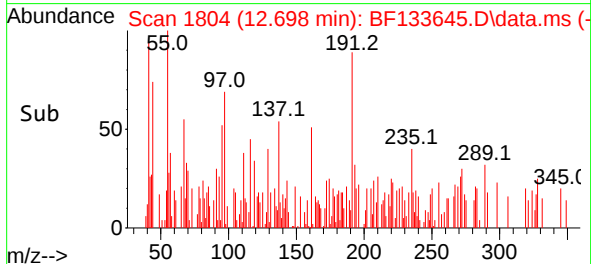
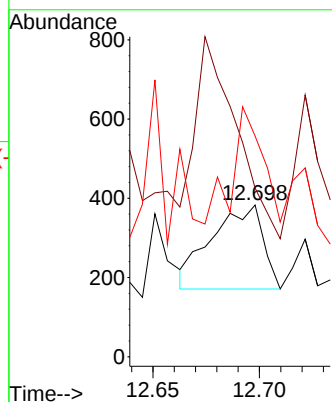
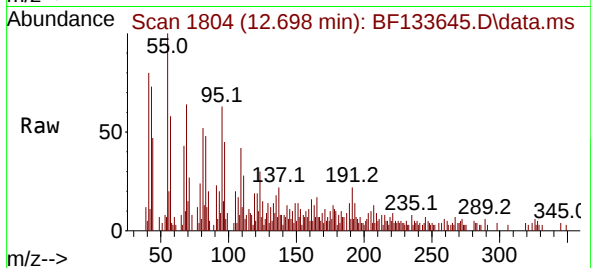




#77
Benzidine
Concen: 21.769 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

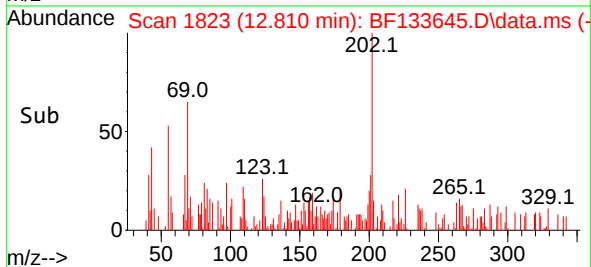
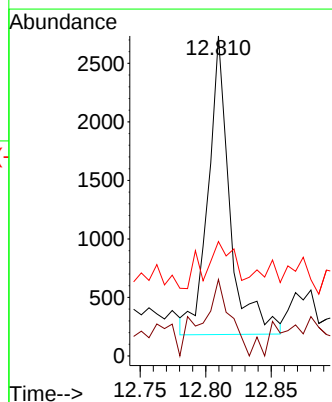
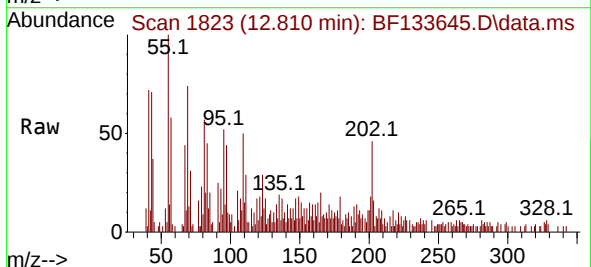
Instrument :
BNA_F
ClientSampleId :
TP-9

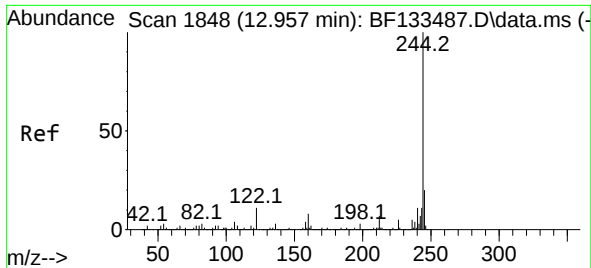
Tgt Ion:184 Resp: 354
Ion Ratio Lower Upper
184 100
185 111.2 12.2 18.2#
183 145.4 8.7 13.1#



#78
Pyrene
Concen: 62.076 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion:202 Resp: 2937
Ion Ratio Lower Upper
202 100
200 23.9 16.3 24.5
203 35.8 14.3 21.5#

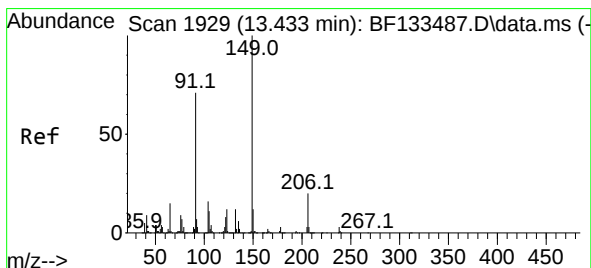
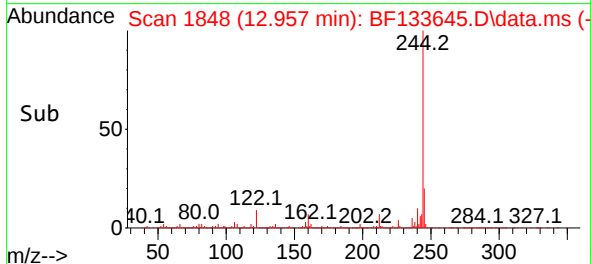
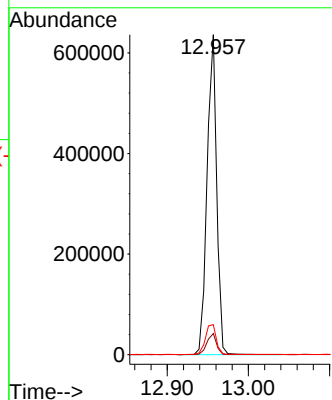
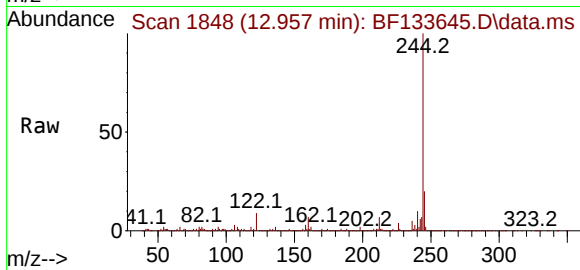




#79
 Terphenyl-d14
 Concen: 16637.137 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133645.D
 Acq: 08 Jun 2023 17:10

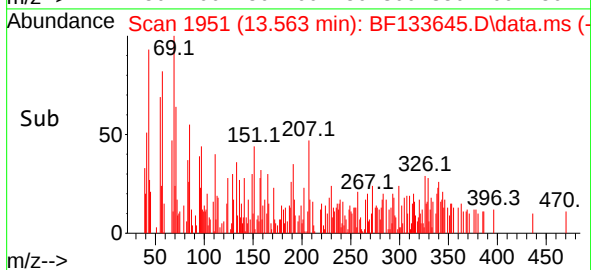
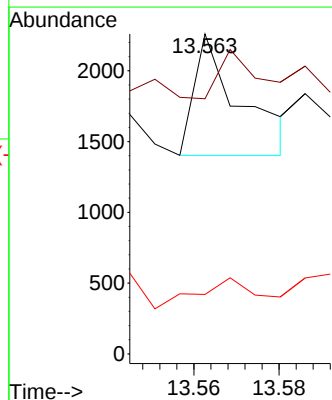
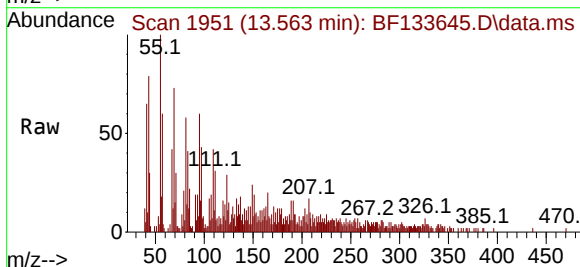
Instrument :
 BNA_F
 ClientSampleId :
 TP-9

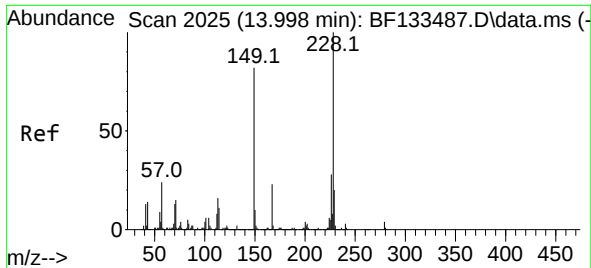
Tgt Ion:244 Resp: 520266
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 9.4 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 34.402 ng
 RT: 13.563 min Scan# 1951
 Delta R.T. 0.129 min
 Lab File: BF133645.D
 Acq: 08 Jun 2023 17:10

Tgt Ion:149 Resp: 644
 Ion Ratio Lower Upper
 149 100
 91 79.7 56.9 85.3
 206 18.6 15.7 23.5

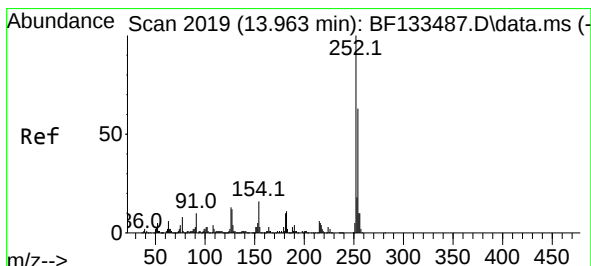
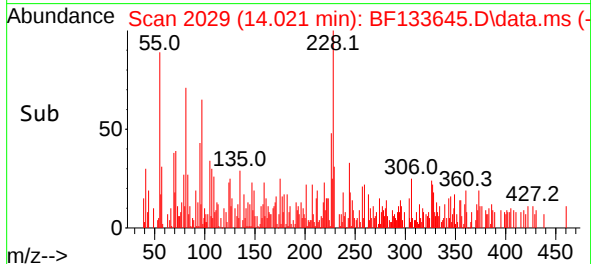
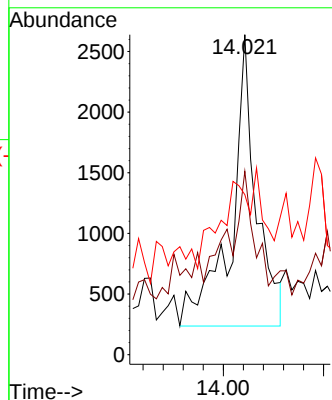
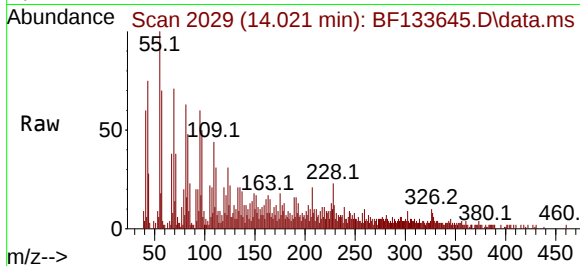




#81
Benzo(a)anthracene
Concen: 111.801 ng
RT: 14.021 min Scan# 2021
Delta R.T. 0.018 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

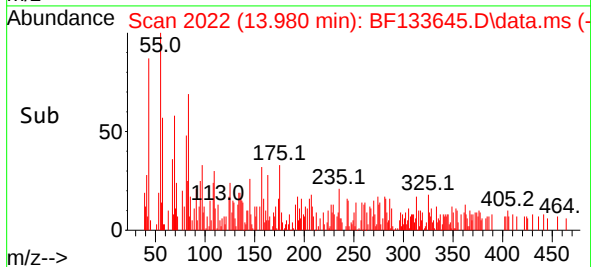
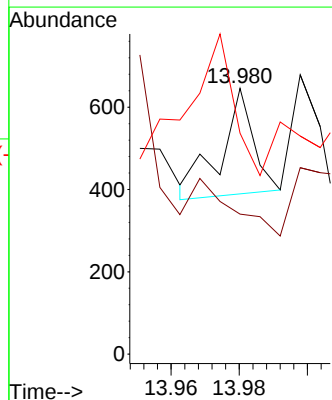
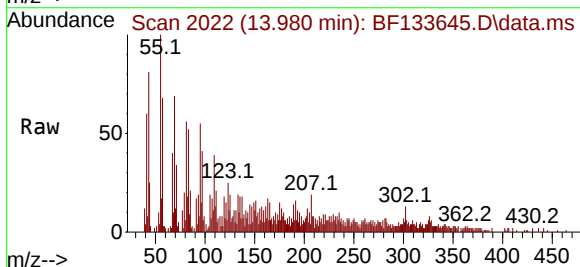
Instrument :
BNA_F
ClientSampleId :
TP-9

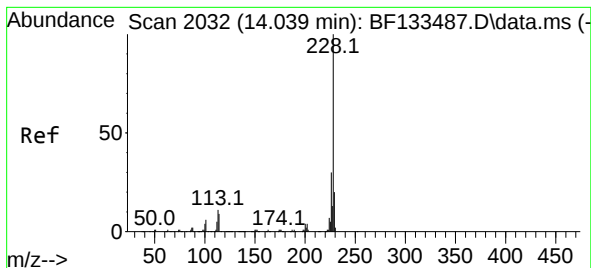
Tgt Ion:228 Resp: 4141
Ion Ratio Lower Upper
228 100
226 57.3 22.3 33.5#
229 50.0 16.1 24.1#



#82
3,3'-Dichlorobenzidine
Concen: 14.941 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion:252 Resp: 173
Ion Ratio Lower Upper
252 100
254 52.6 50.3 75.5
126 83.1 10.5 15.7#





#83

Chrysene

Concen: 110.748 ng

RT: 14.021 min Scan# 2032

Delta R.T. -0.023 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Instrument :

BNA_F

ClientSampleId :

TP-9

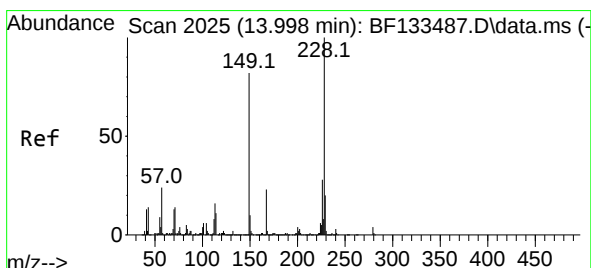
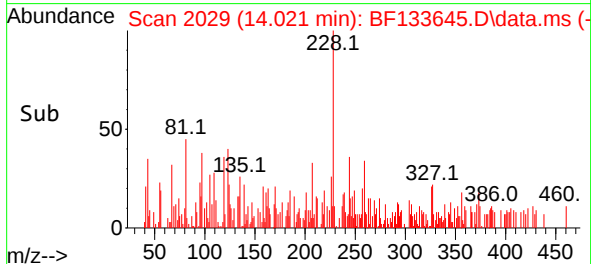
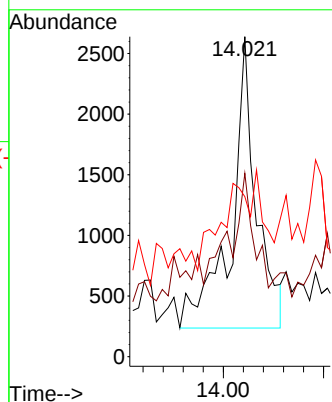
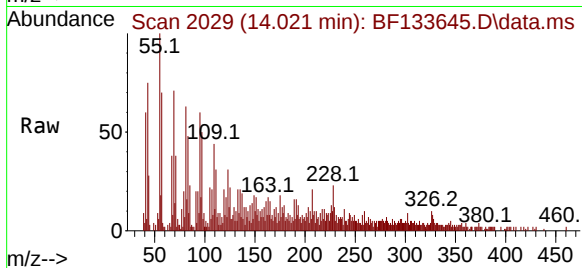
Tgt Ion:228 Resp: 4141

Ion Ratio Lower Upper

228 100

226 57.3 24.1 36.1#

229 50.0 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 114.875 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

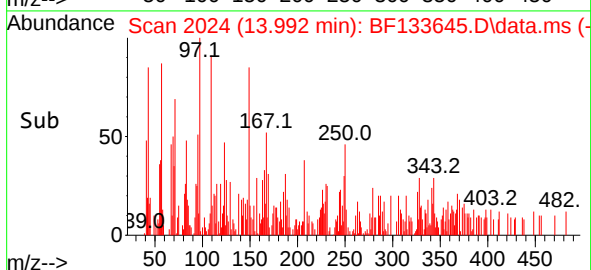
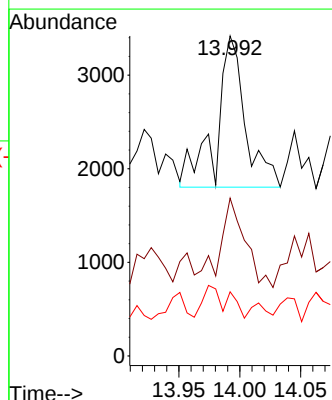
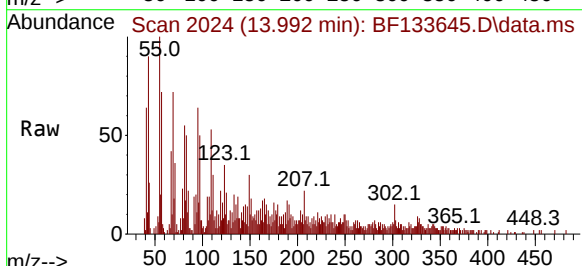
Tgt Ion:149 Resp: 2688

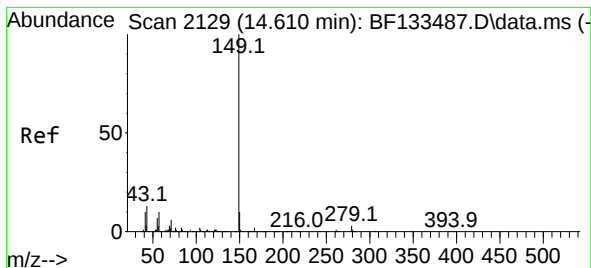
Ion Ratio Lower Upper

149 100

167 49.3 22.0 33.0#

279 20.0 3.6 5.4#





#85

Di-n-octyl phthalate

Concen: 18.933 ng

RT: 14.627 min Scan# 2129

Delta R.T. 0.018 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Instrument :

BNA_F

ClientSampleId :

TP-9

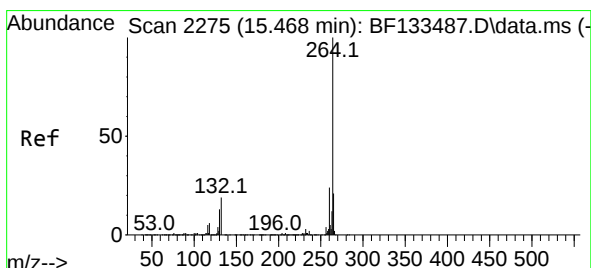
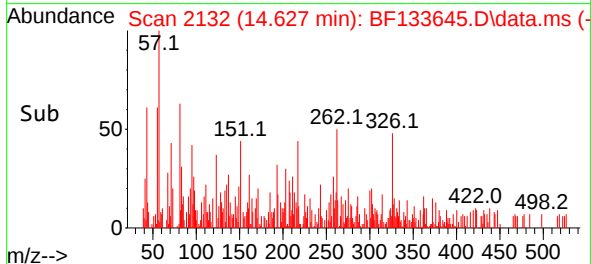
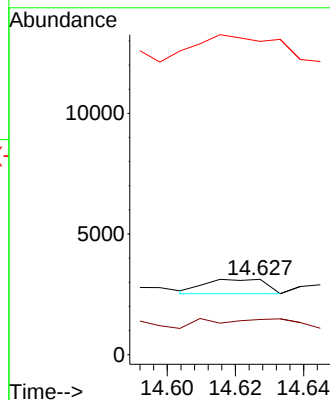
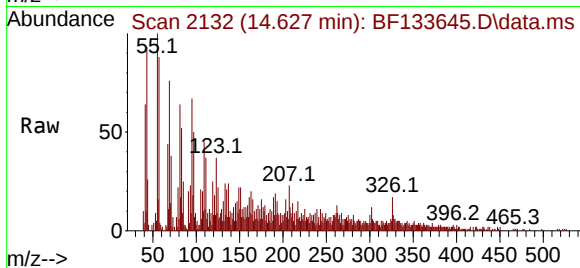
Tgt Ion:149 Resp: 738

Ion Ratio Lower Upper

149 100

167 94.3 1.3 1.9#

43 555.4 10.0 15.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

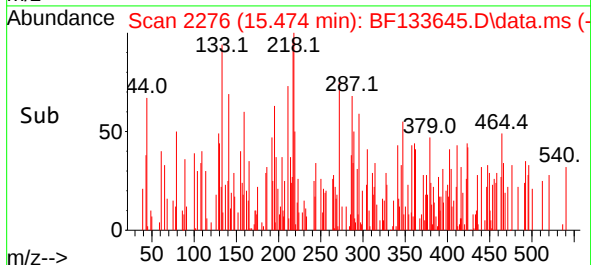
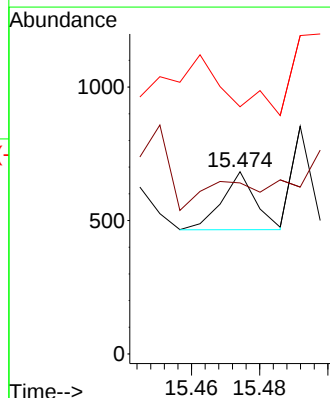
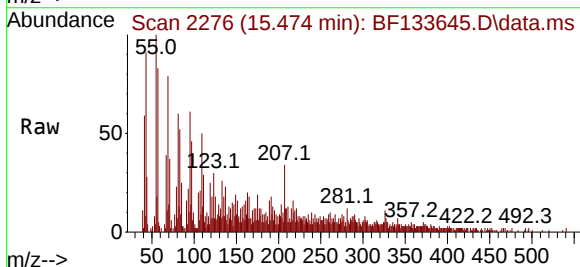
Tgt Ion:264 Resp: 149

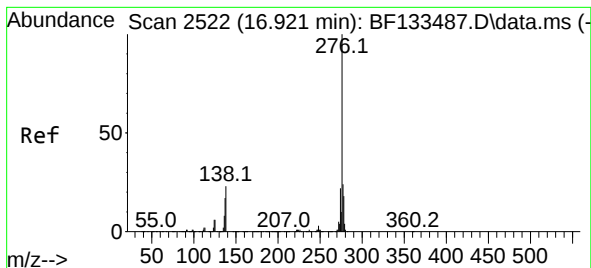
Ion Ratio Lower Upper

264 100

260 93.9 19.0 28.4#

265 135.6 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.256 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

Instrument :

BNA_F

ClientSampleId :

TP-9

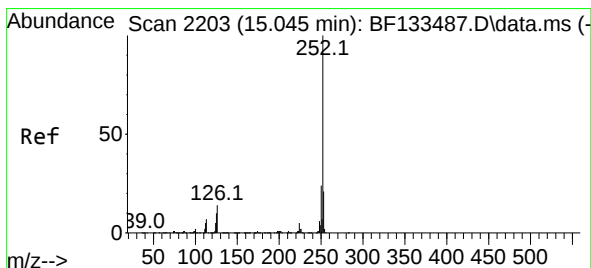
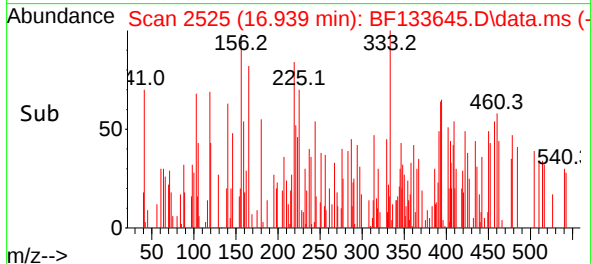
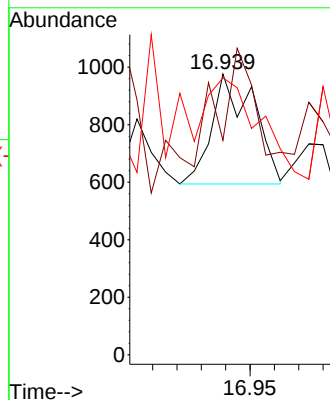
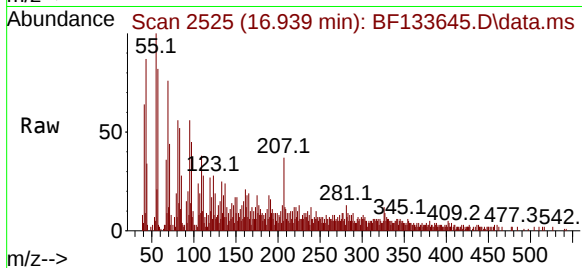
Tgt Ion:276 Resp: 458

Ion Ratio Lower Upper

276 100

138 74.5 21.4 32.2#

277 115.3 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 311.982 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF133645.D

Acq: 08 Jun 2023 17:10

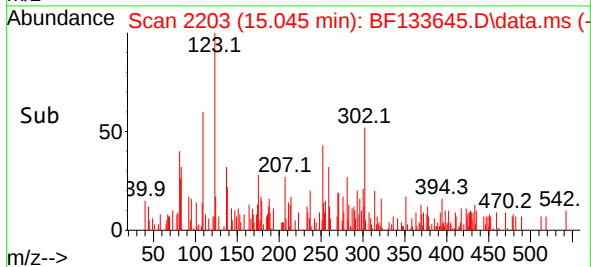
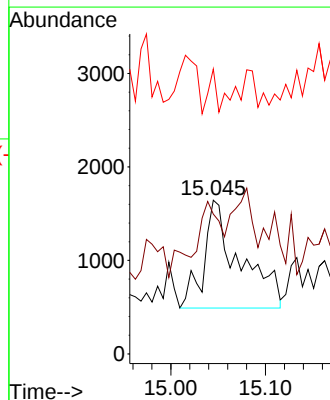
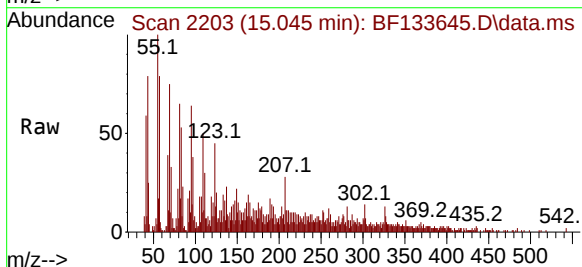
Tgt Ion:252 Resp: 3027

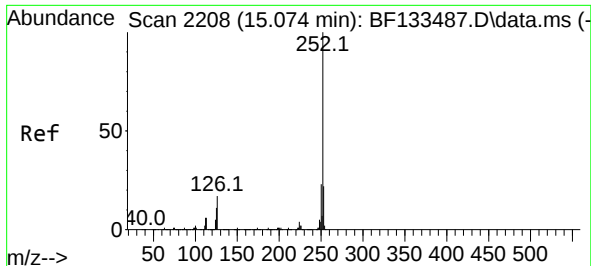
Ion Ratio Lower Upper

252 100

253 90.9 17.2 25.8#

125 185.4 8.1 12.1#

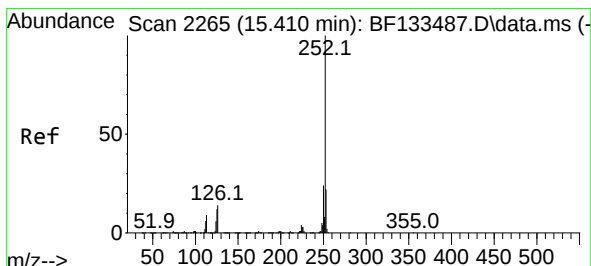
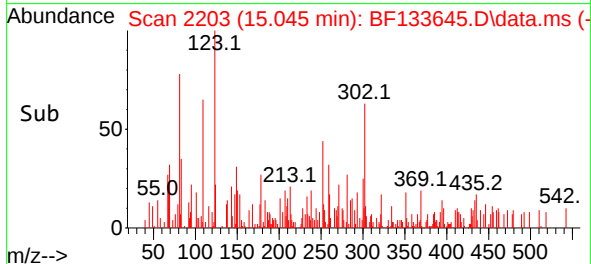
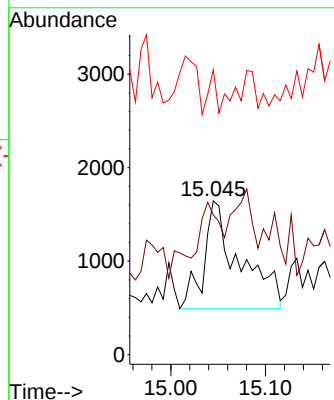
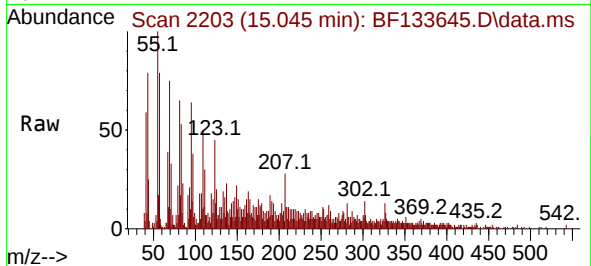




#89
Benzo(k)fluoranthene
Concen: 319.958 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

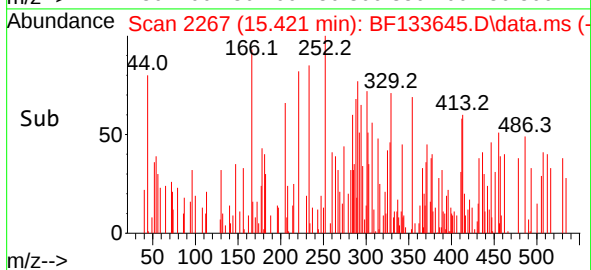
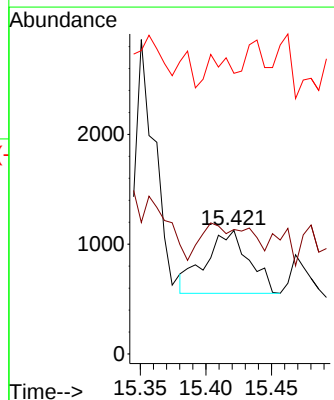
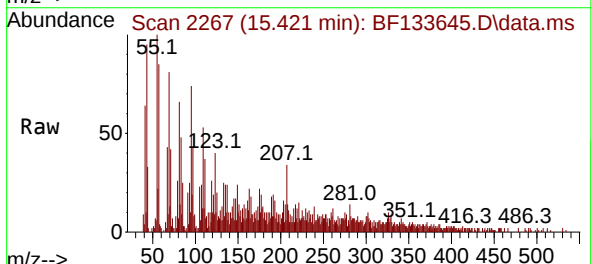
Instrument :
BNA_F
ClientSampleId :
TP-9

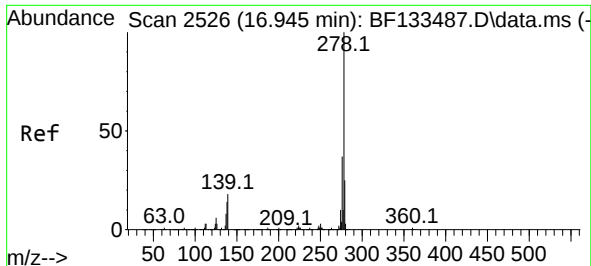
Tgt Ion:252 Resp: 3027
Ion Ratio Lower Upper
252 100
253 90.9 17.4 26.2#
125 185.4 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 147.927 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion:252 Resp: 1306
Ion Ratio Lower Upper
252 100
253 100.7 17.4 26.0#
125 227.1 9.4 14.0#

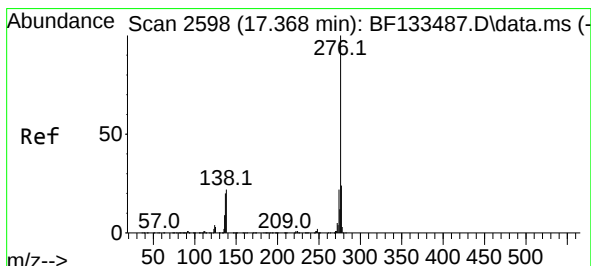
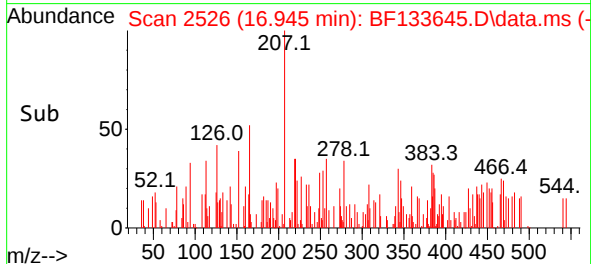
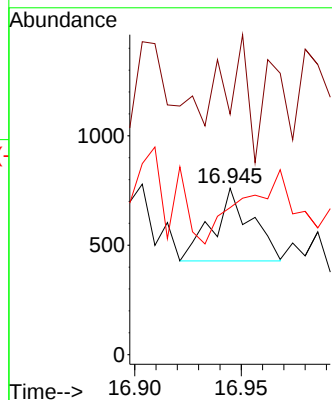
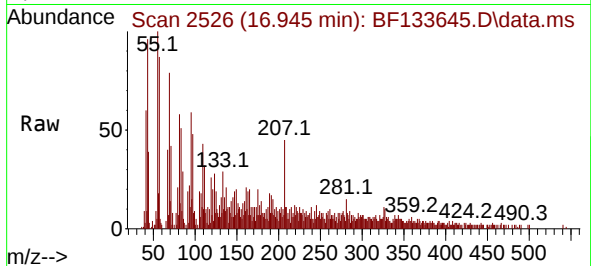




#91
Dibenzo(a,h)anthracene
Concen: 54.710 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion:278 Resp: 421
Ion Ratio Lower Upper
278 100
139 144.6 14.1 21.1#
279 88.4 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 224.765 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BF133645.D
Acq: 08 Jun 2023 17:10

Tgt Ion:276 Resp: 1744
Ion Ratio Lower Upper
276 100
277 52.6 18.8 28.2#
138 47.8 17.8 26.6#

