

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133044.D
 Acq On : 26 Apr 2023 00:02
 Operator : CG\JU
 Sample : 02270-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-0-2-20230411

Quant Time: Apr 26 02:19:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

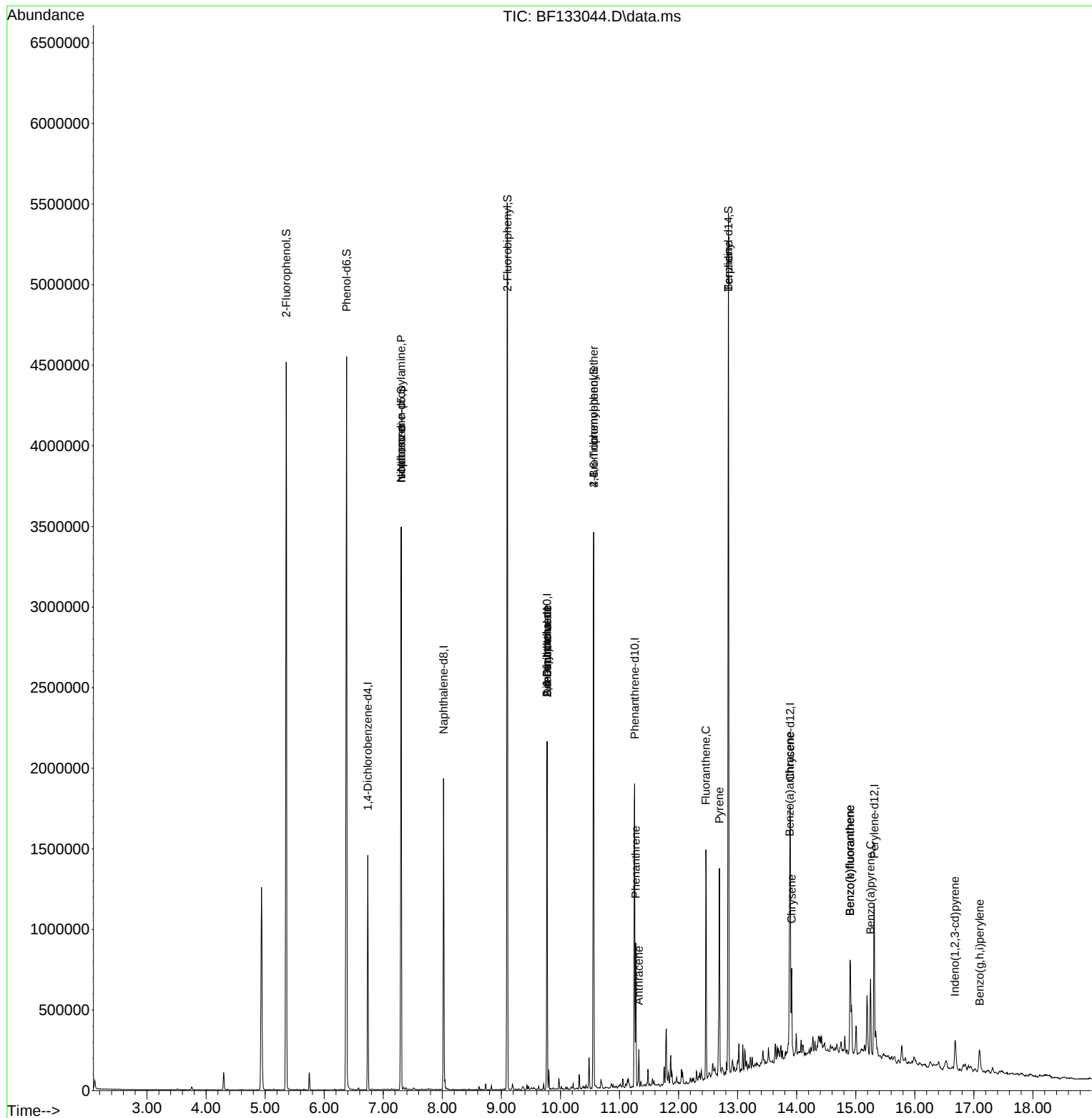
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	192243	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	751298	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	389338	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	672570	20.000	ng	# 0.00
76) Chrysene-d12	13.892	240	393814	20.000	ng	0.00
86) Perylene-d12	15.315	264	416458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1405990	110.480	ng	0.00
7) Phenol-d6	6.381	99	1746328	110.556	ng	0.00
23) Nitrobenzene-d5	7.304	82	1042781	74.918	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	429363	109.656	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1795995	77.175	ng	0.00
79) Terphenyl-d14	12.845	244	1823152	79.843	ng	0.00
Target Compounds						
9) Benzaldehyde	6.281	77	875	Below Cal		Qvalue # 75
19) n-Nitroso-di-n-propyla...	7.304	70	137959	14.029	ng	# 77
25) Isophorone	7.304	82	1041293	39.402	ng	# 63
50) Dimethylphthalate	9.775	163	80371	2.960	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	51331	8.401	ng	# 25
57) 2,4-Dinitrotoluene	9.775	165	51331	6.587	ng	# 24
67) 4-Bromophenyl-phenylether	10.563	248	26507	3.634	ng	# 1
71) Phenanthrene	11.275	178	320159	8.857	ng	99
72) Anthracene	11.328	178	74208	2.006	ng	98
75) Fluoranthene	12.463	202	527830	14.549	ng	99
77) Benzidine	12.845	184	21652	3.251	ng	# 95
78) Pyrene	12.692	202	467059	13.835	ng	100
81) Benzo(a)anthracene	13.880	228	239581	8.847	ng	100
83) Chrysene	13.916	228	214293	7.915	ng	97
87) Indeno(1,2,3-cd)pyrene	16.680	276	120573	5.090	ng	93
88) Benzo(b)fluoranthene	14.904	252	400398	15.112	ng	# 97
89) Benzo(k)fluoranthene	14.904	252	400398	15.245	ng	# 97
90) Benzo(a)pyrene	15.251	252	204571	8.483	ng	99
92) Benzo(g,h,i)perylene	17.098	276	108622	5.569	ng	97

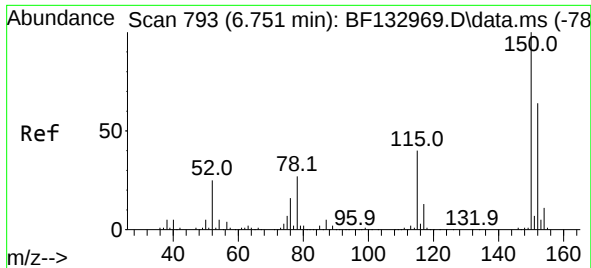
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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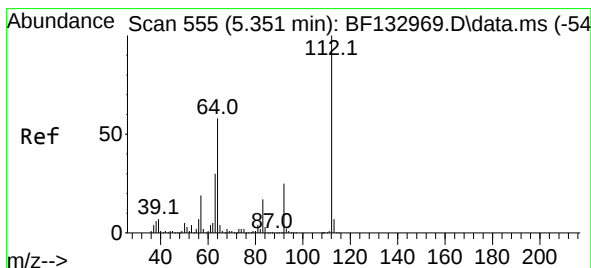
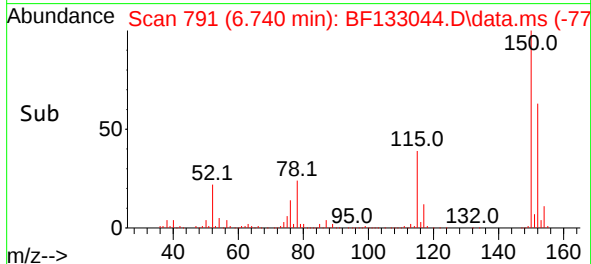
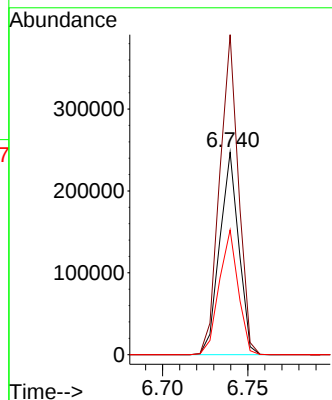
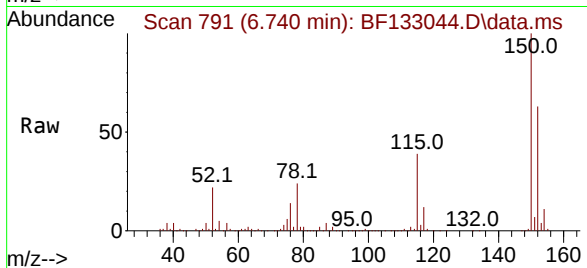




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.005 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02

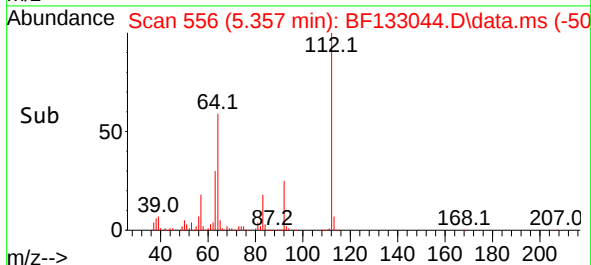
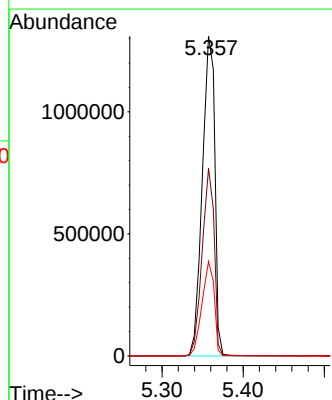
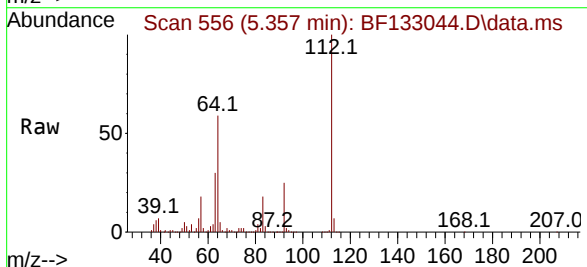
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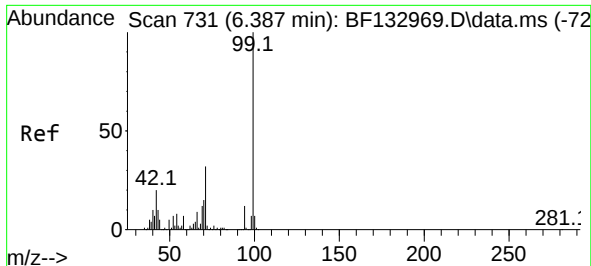
Tgt Ion:152 Resp: 192243
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.8 187.2
 115 61.7 49.9 74.9



#5
 2-Fluorophenol
 Concen: 110.480 ng
 RT: 5.357 min Scan# 556
 Delta R.T. 0.006 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02

Tgt Ion:112 Resp: 1405990
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.8 70.2
 63 29.5 23.8 35.8

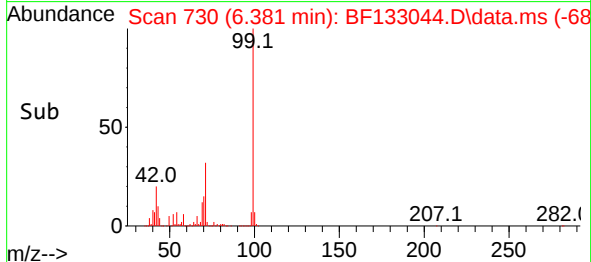
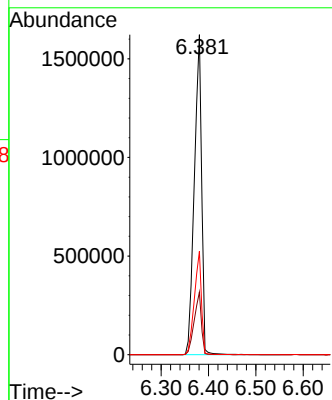
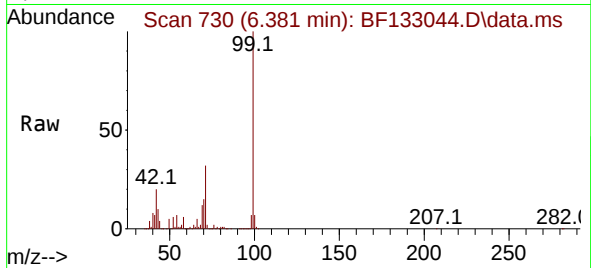




#7
Phenol-d6
Concen: 110.556 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

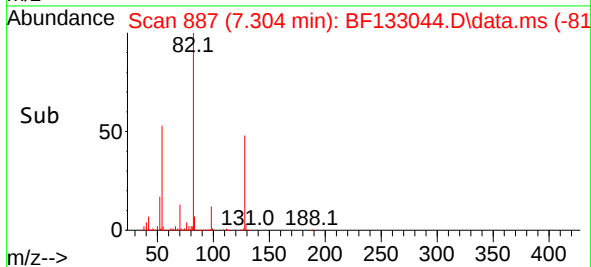
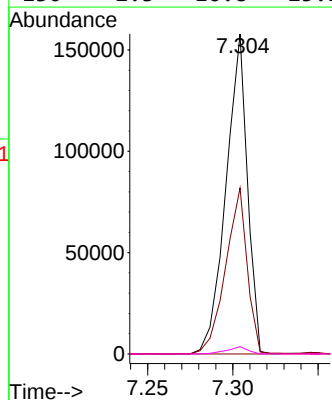
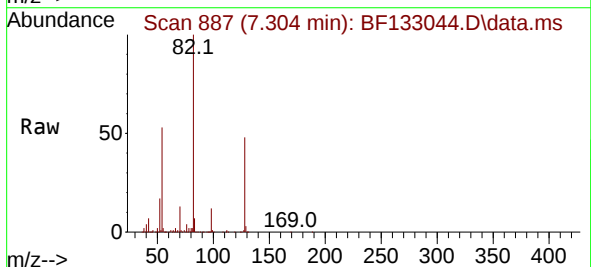
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ClientSampleId :
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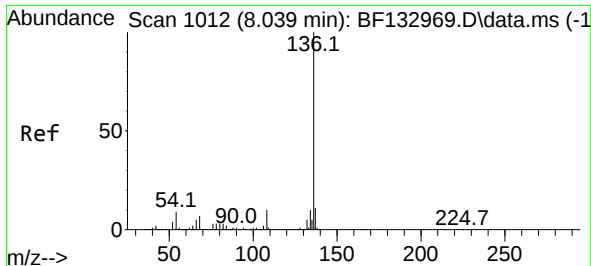
Tgt Ion: 99 Resp: 1746328
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 32.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.029 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion: 70 Resp: 137959
Ion Ratio Lower Upper
70 100
42 51.8 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

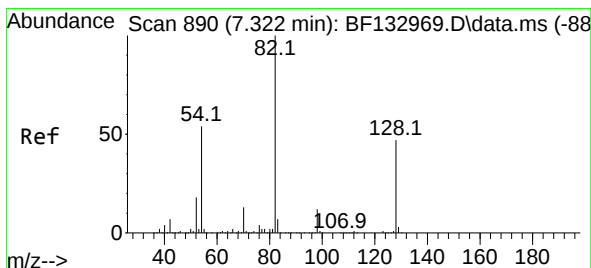
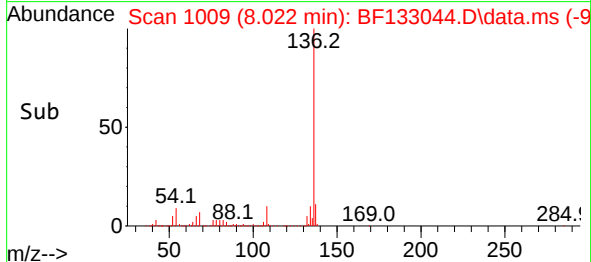
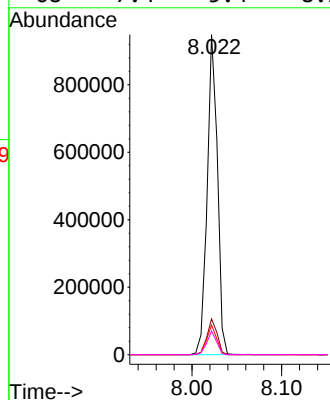
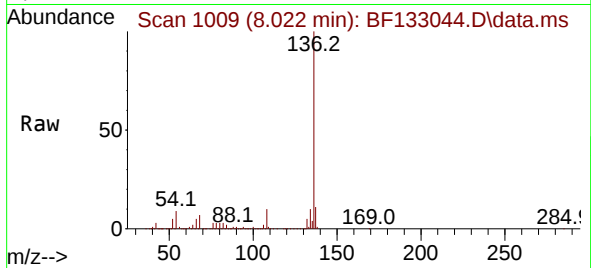




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

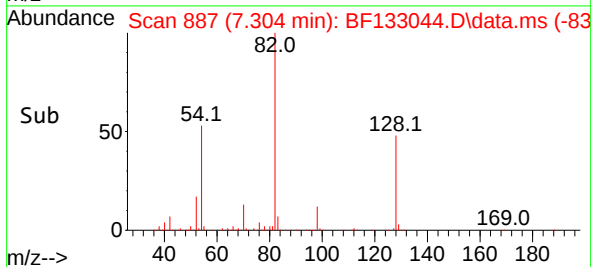
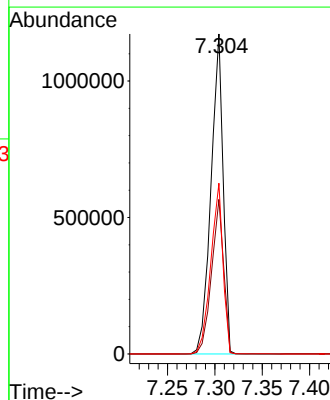
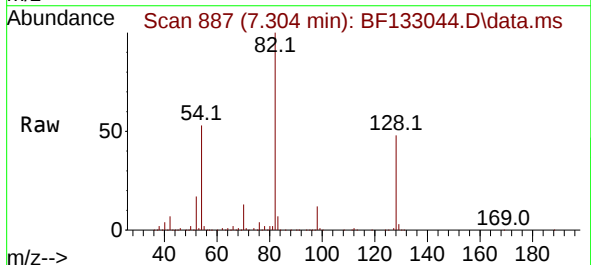
Instrument :
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SB-19-0-2-20230411

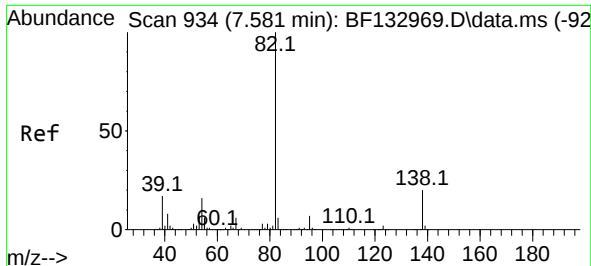
Tgt Ion:	136	Resp:	751298
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.3	7.0	10.4
68	7.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 74.918 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:	82	Resp:	1042781
Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	53.3	43.0	64.4

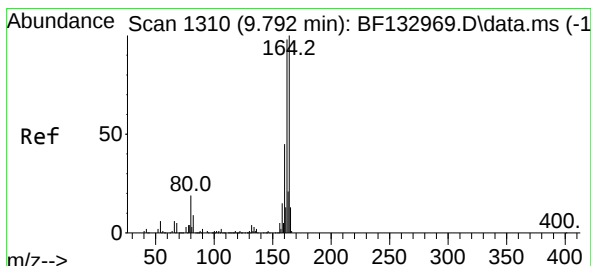
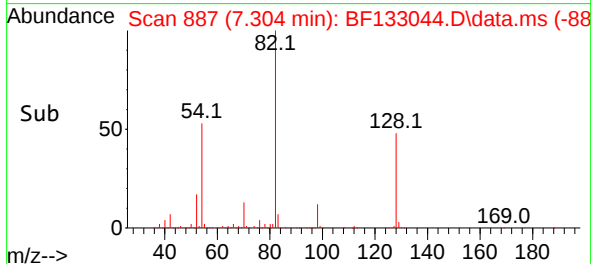
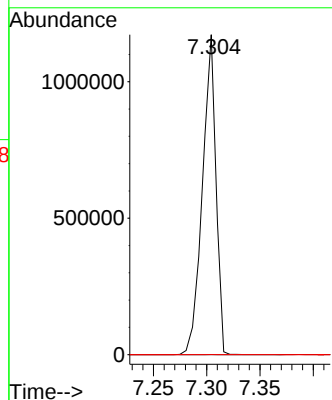
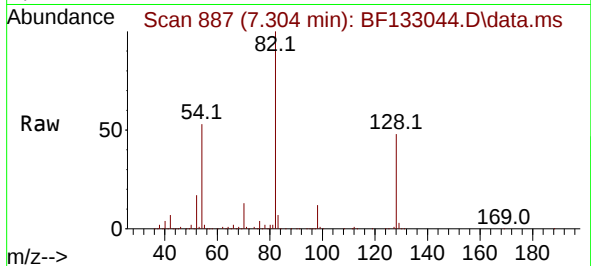




#25
Isophorone
Concen: 39.402 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

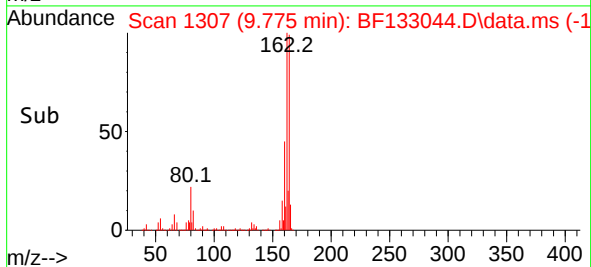
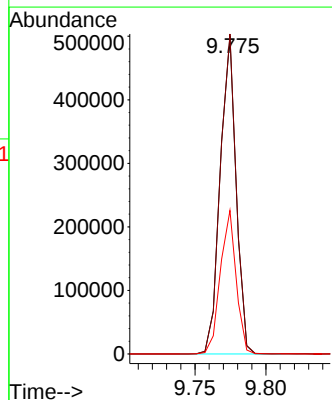
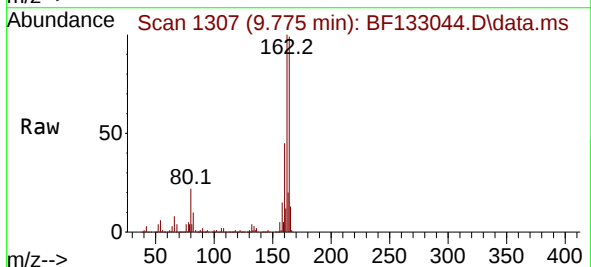
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

Tgt Ion: 82 Resp: 1041293
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:164 Resp: 389338
Ion Ratio Lower Upper
164 100
162 100.5 78.7 118.1
160 45.1 35.8 53.6

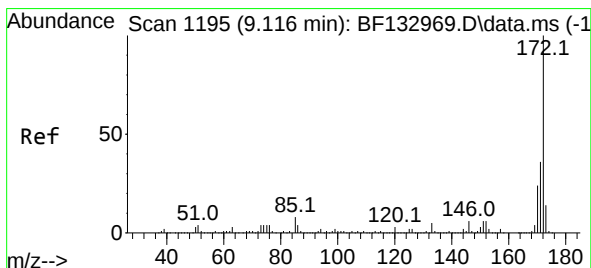
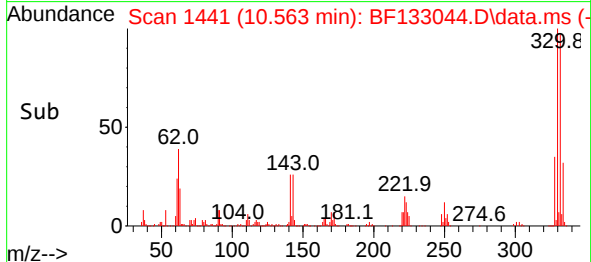
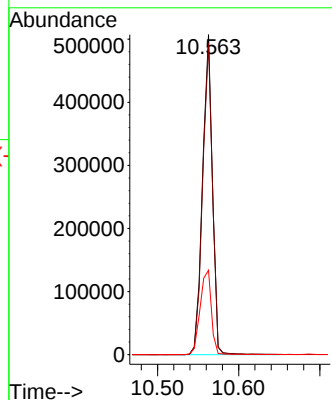
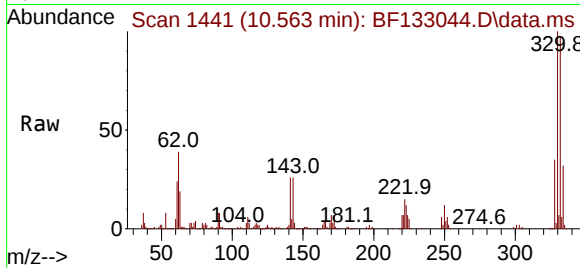




#42
2,4,6-Tribromophenol
Concen: 109.656 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

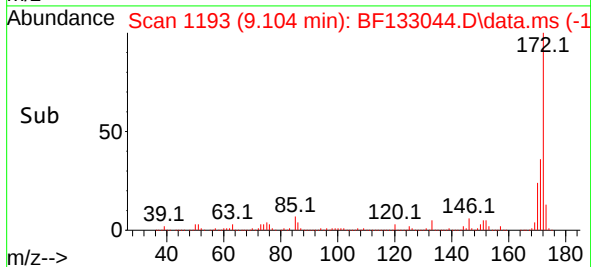
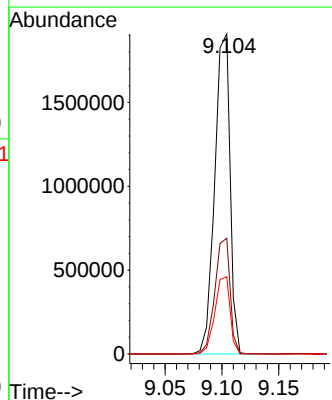
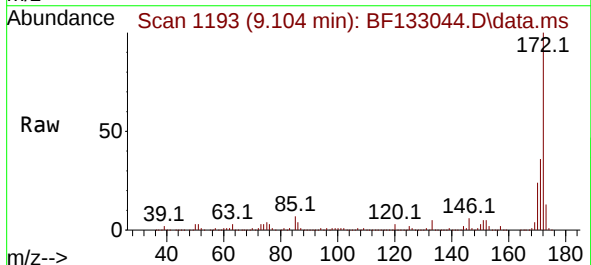
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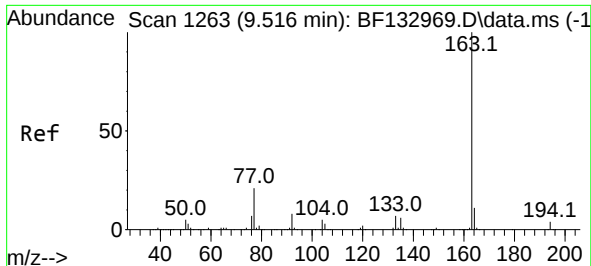
Tgt Ion: 330 Resp: 429363
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 30.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 77.175 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion: 172 Resp: 1795995
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.2 19.4 29.2

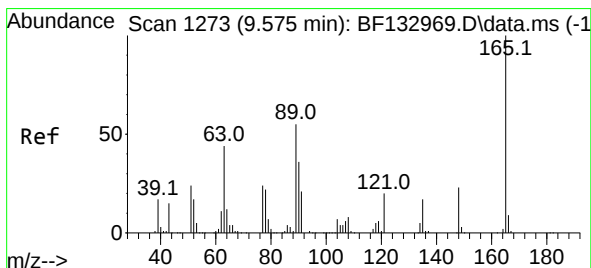
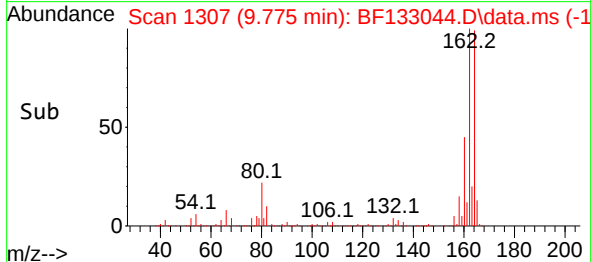
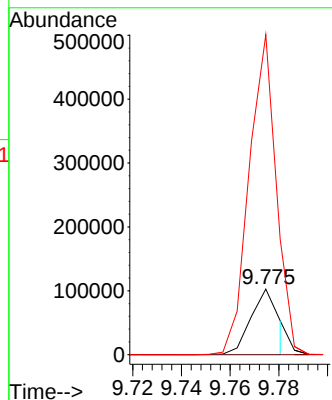
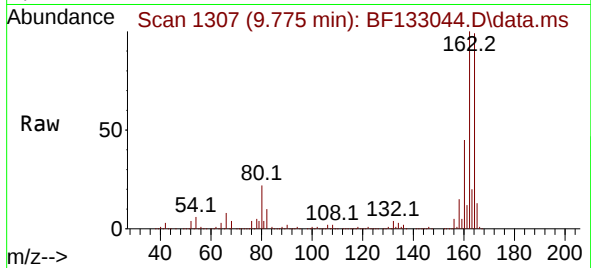




#50
Dimethylphthalate
Concen: 2.960 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

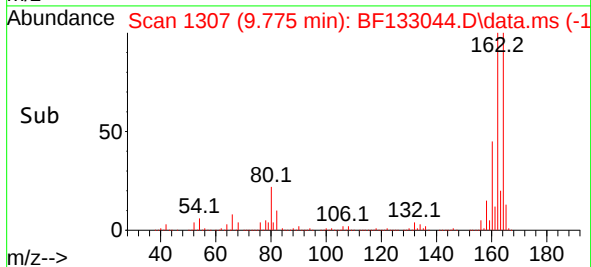
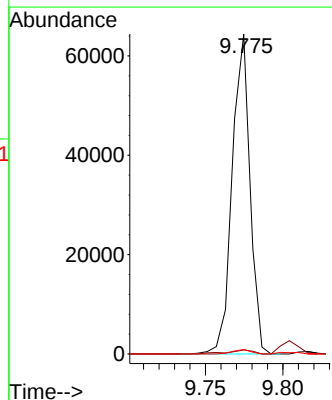
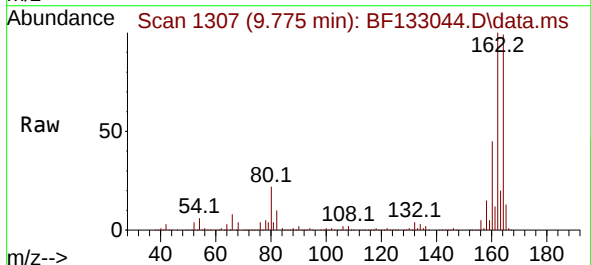
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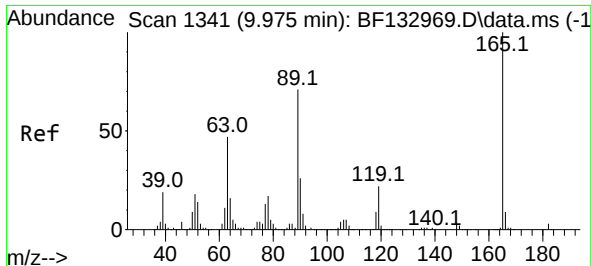
Tgt Ion:163 Resp: 80371
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 487.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.401 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.206 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:165 Resp: 51331
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.4 44.0 66.0#

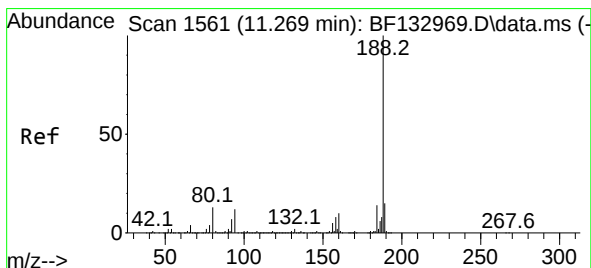
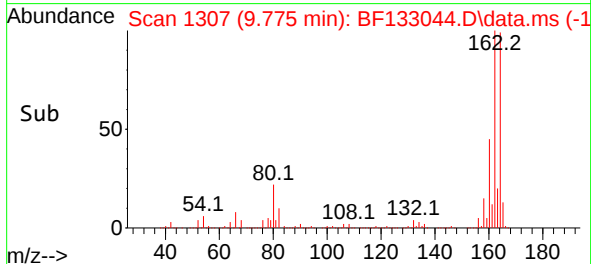
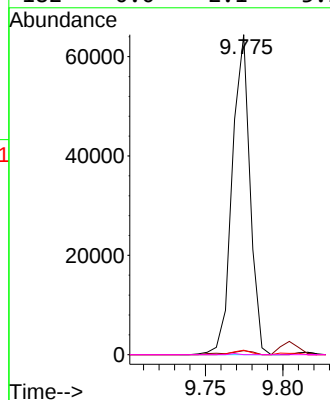
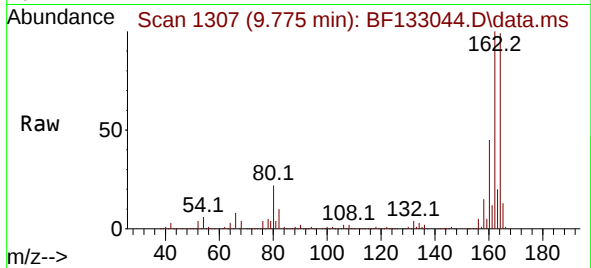




#57
2,4-Dinitrotoluene
Concen: 6.587 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

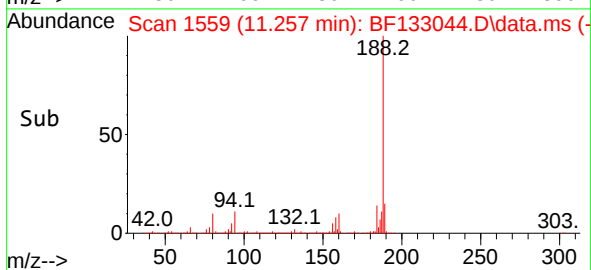
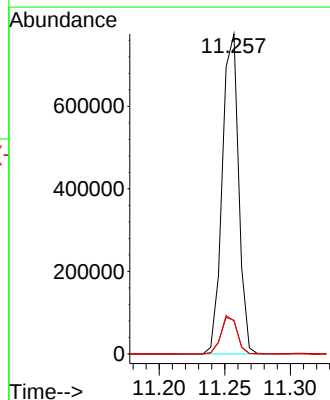
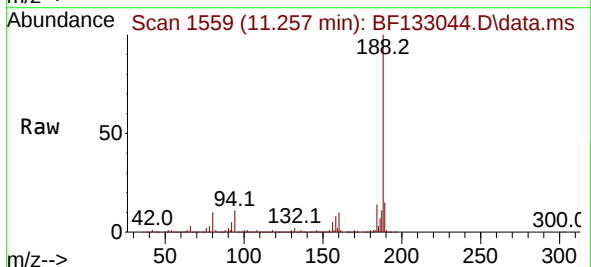
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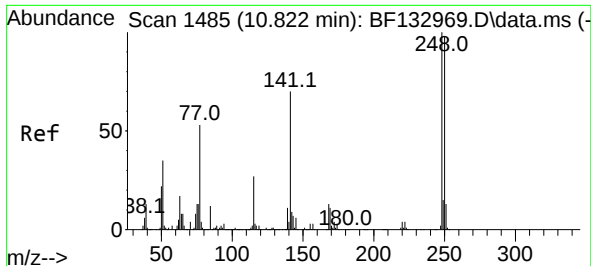
Tgt Ion:165 Resp: 51331
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:188 Resp: 672570
Ion Ratio Lower Upper
188 100
94 10.5 9.7 14.5
80 10.3 10.4 15.6#

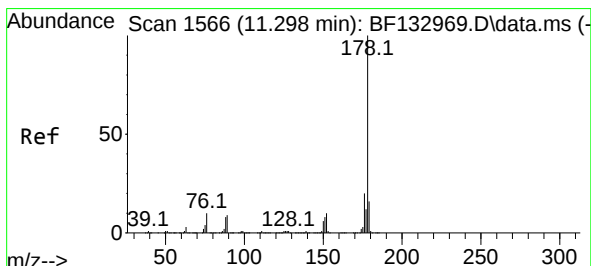
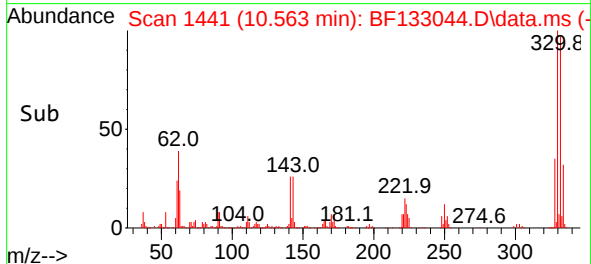
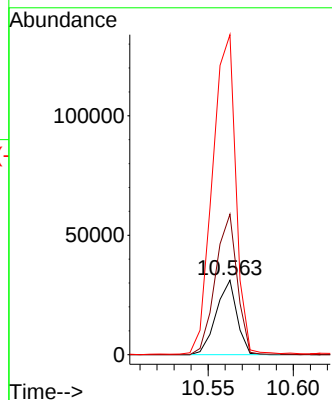
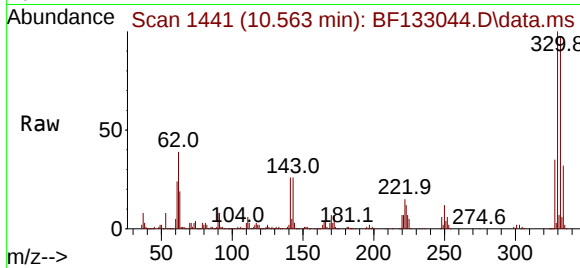




#67
4-Bromophenyl-phenylether
Concen: 3.634 ng
RT: 10.563 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

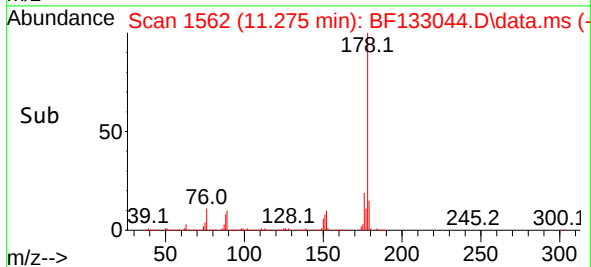
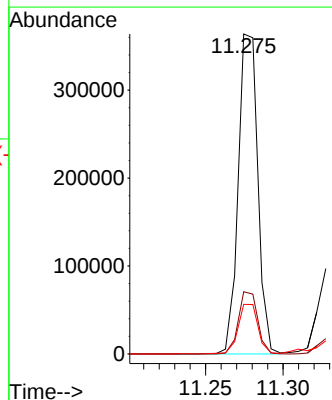
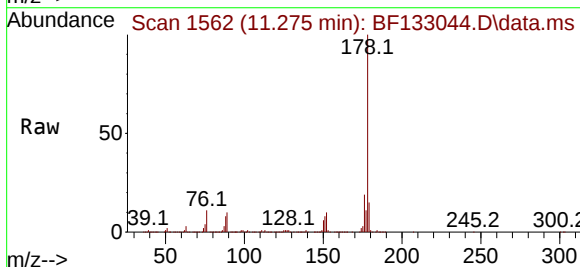
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

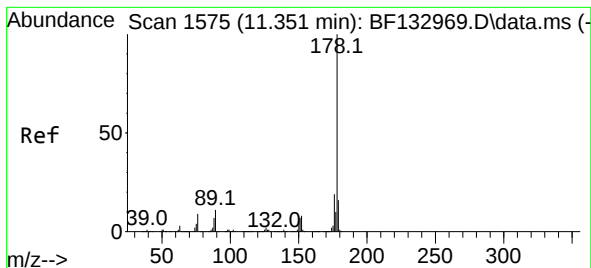
Tgt Ion:248 Resp: 26507
Ion Ratio Lower Upper
248 100
250 188.8 78.7 118.1#
141 429.8 56.3 84.5#



#71
Phenanthrene
Concen: 8.857 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.012 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:178 Resp: 320159
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 2.006 ng

RT: 11.328 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

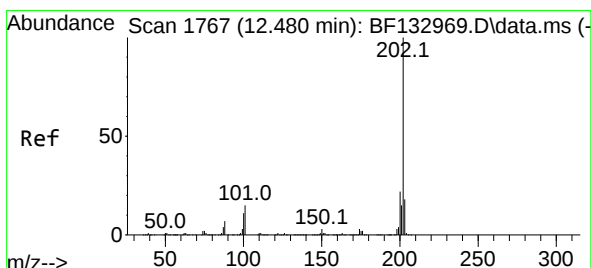
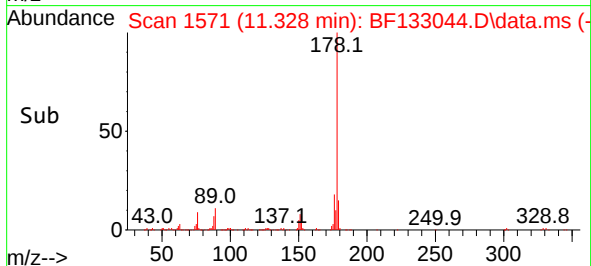
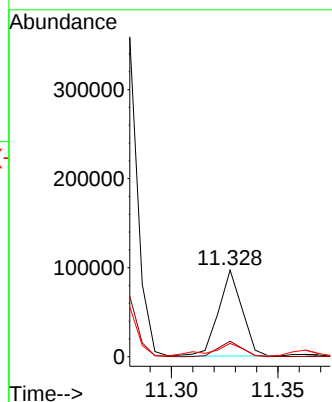
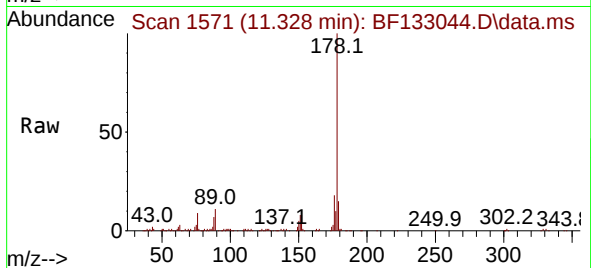
Tgt Ion:178 Resp: 74208

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

179 15.3 12.4 18.6



#75

Fluoranthene

Concen: 14.549 ng

RT: 12.463 min Scan# 1764

Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

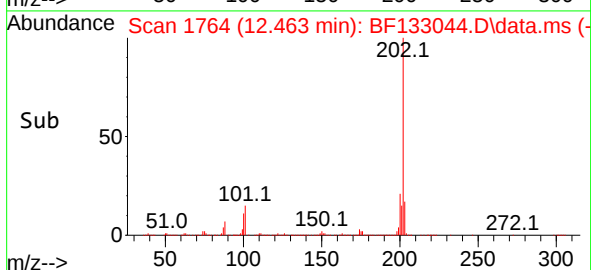
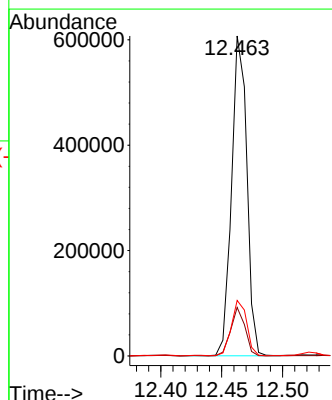
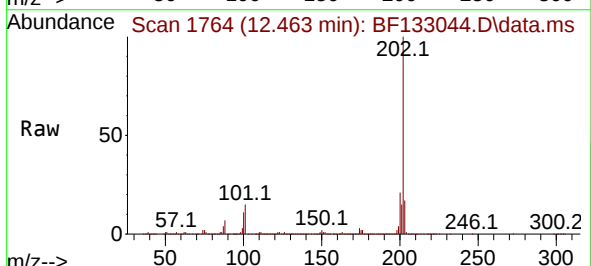
Tgt Ion:202 Resp: 527830

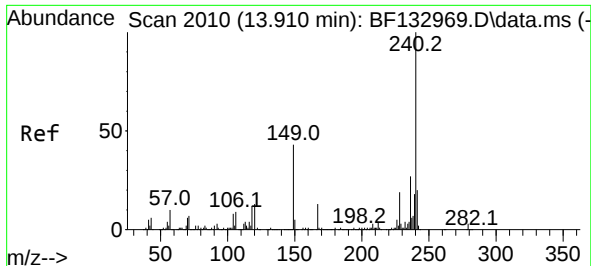
Ion Ratio Lower Upper

202 100

101 15.2 0.0 35.3

203 17.4 0.0 38.1

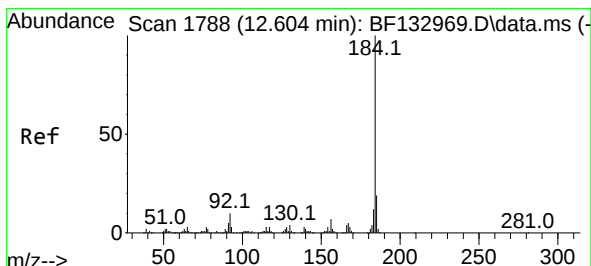
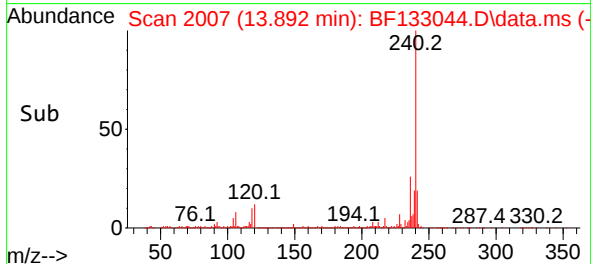
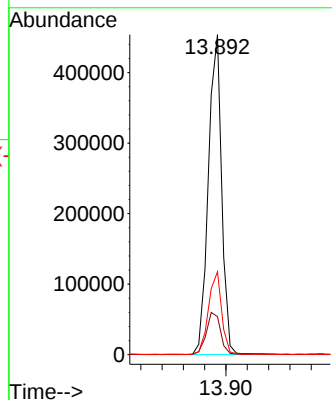
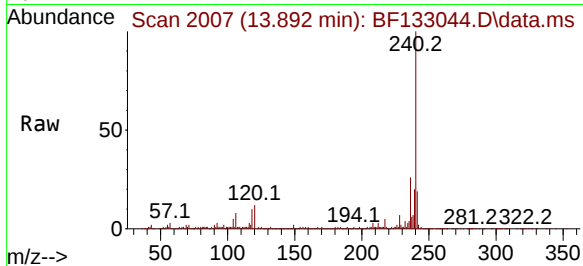




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

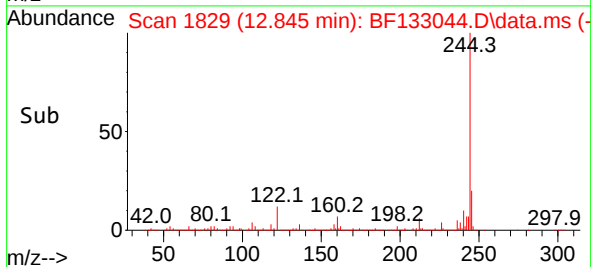
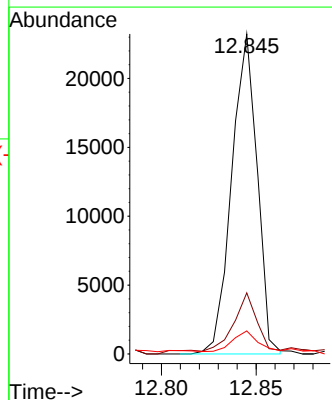
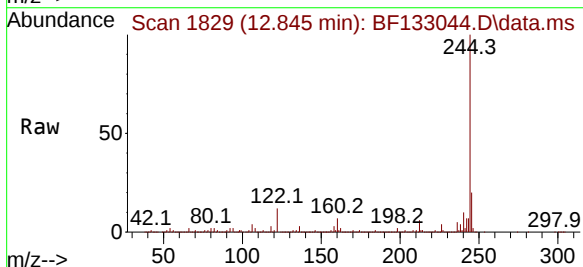
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

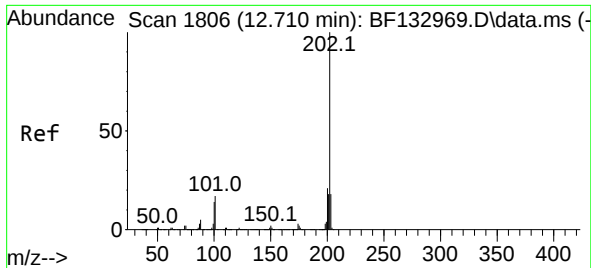
Tgt Ion:240 Resp: 393814
Ion Ratio Lower Upper
240 100
120 11.9 10.5 15.7
236 25.9 21.5 32.3



#77
Benzidine
Concen: 3.251 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.253 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:184 Resp: 21652
Ion Ratio Lower Upper
184 100
185 19.1 15.4 23.2
183 7.2 9.4 14.0#

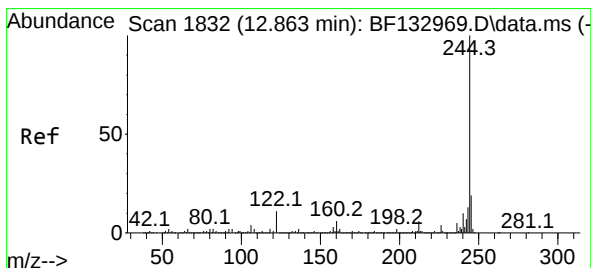
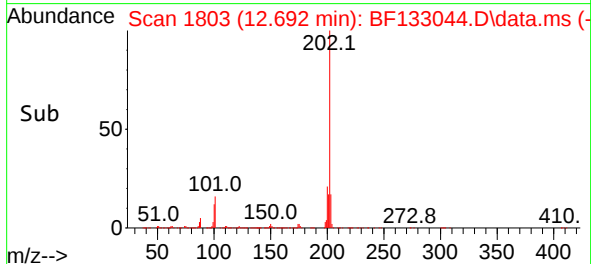
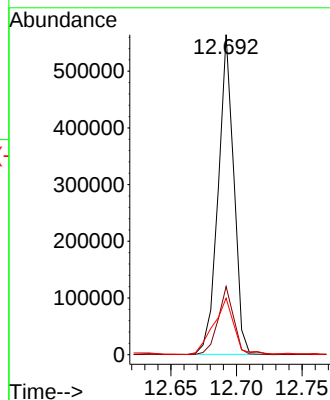
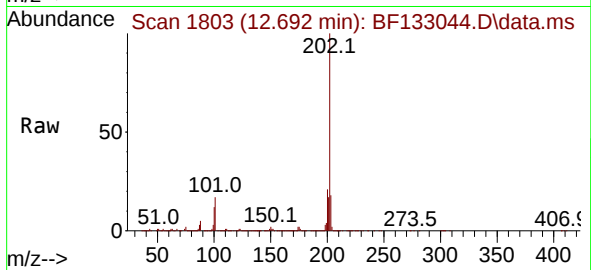




#78
Pyrene
Concen: 13.835 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

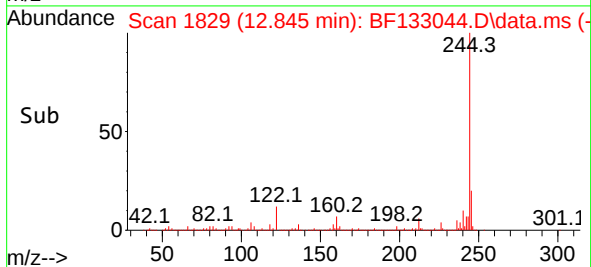
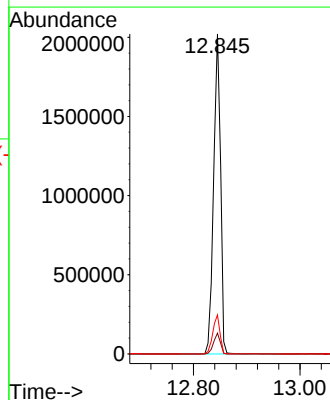
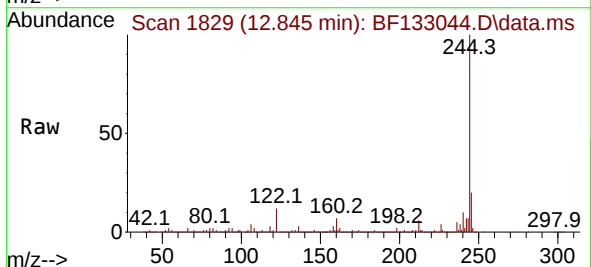
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

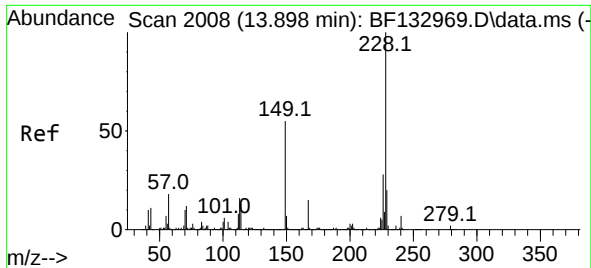
Tgt Ion:202 Resp: 467059
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 79.843 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:244 Resp: 1823152
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 12.2 8.6 13.0

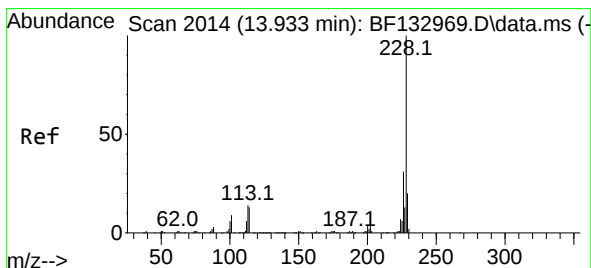
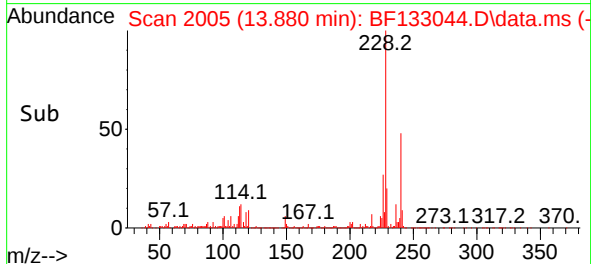
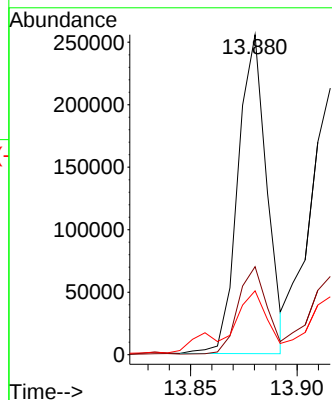
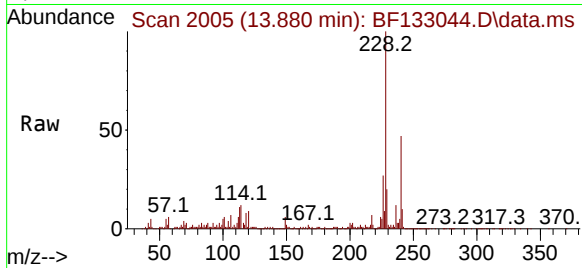




#81
Benzo(a)anthracene
Concen: 8.847 ng
RT: 13.880 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

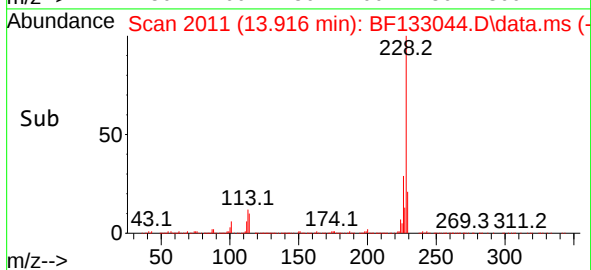
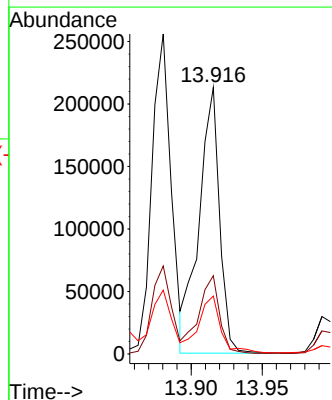
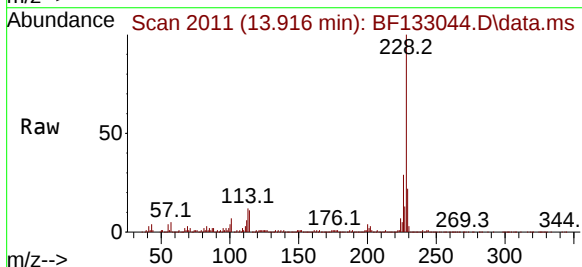
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

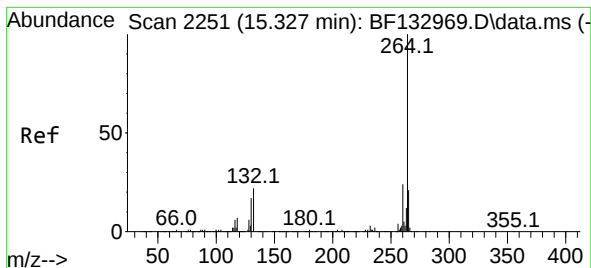
Tgt Ion:228 Resp: 239581
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.4
229 20.0 16.0 24.0



#83
Chrysene
Concen: 7.915 ng
RT: 13.916 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:228 Resp: 214293
Ion Ratio Lower Upper
228 100
226 29.3 24.7 37.1
229 21.7 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

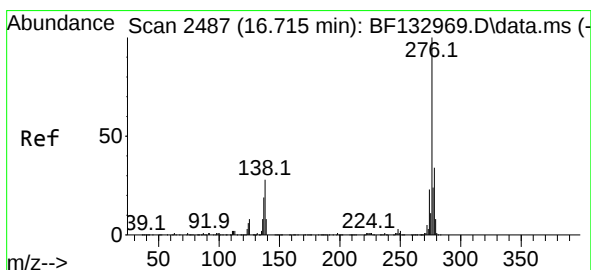
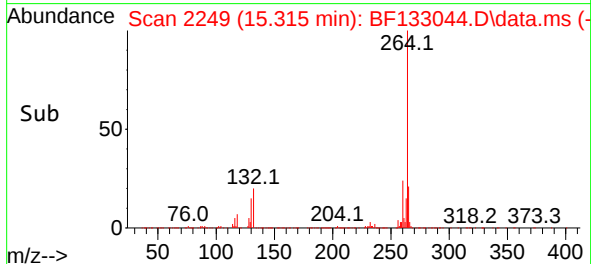
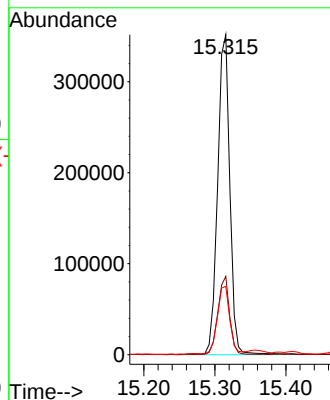
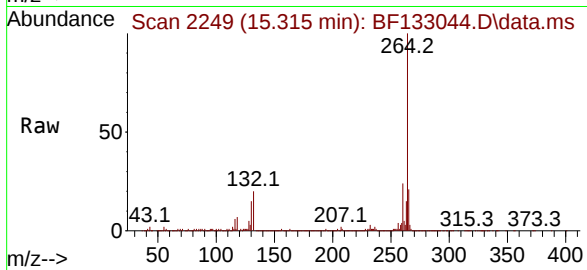
Tgt Ion:264 Resp: 416458

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 21.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.090 ng

RT: 16.680 min Scan# 2481

Delta R.T. -0.023 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

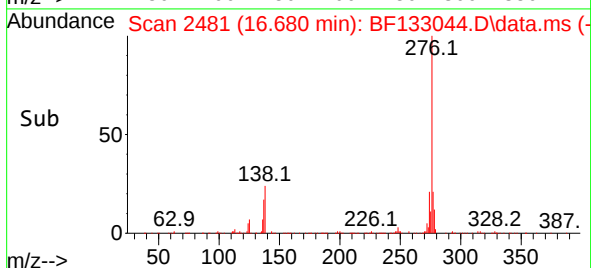
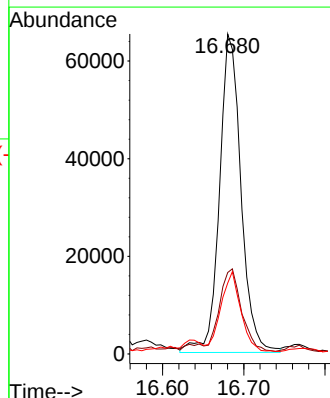
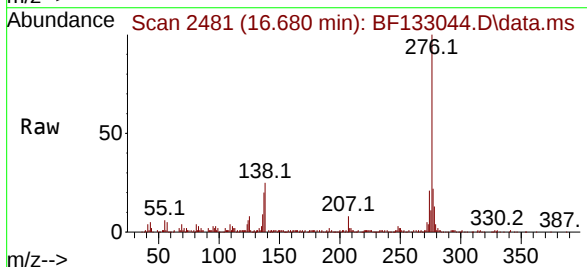
Tgt Ion:276 Resp: 120573

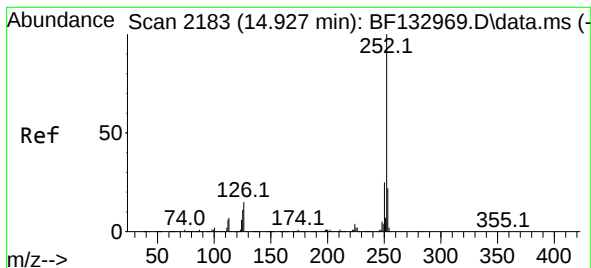
Ion Ratio Lower Upper

276 100

138 26.5 25.5 38.3

277 23.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 15.112 ng

RT: 14.904 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

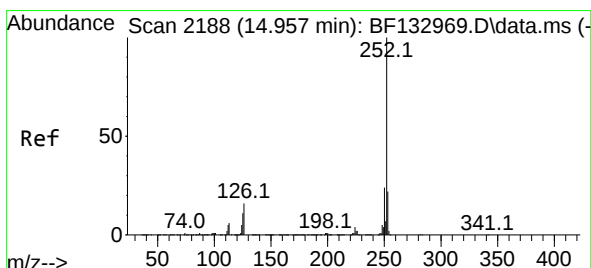
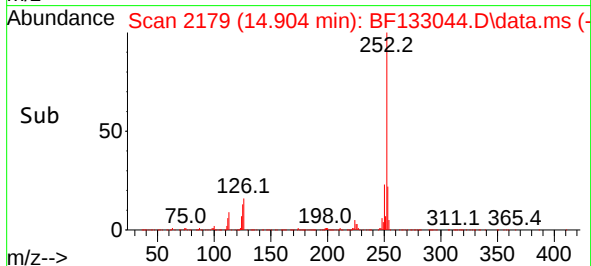
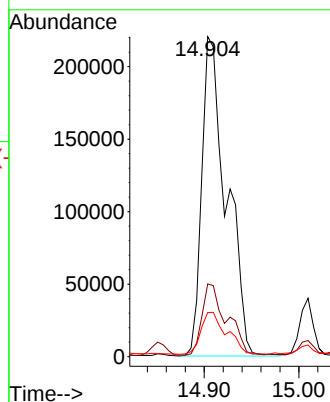
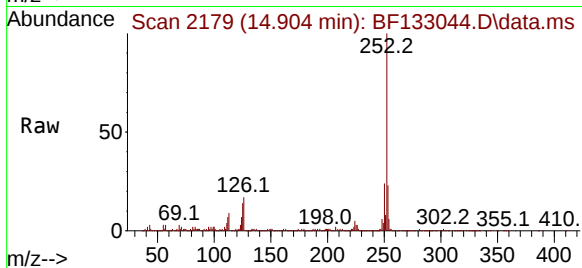
Tgt Ion:252 Resp: 400398

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 13.8 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 15.245 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.035 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

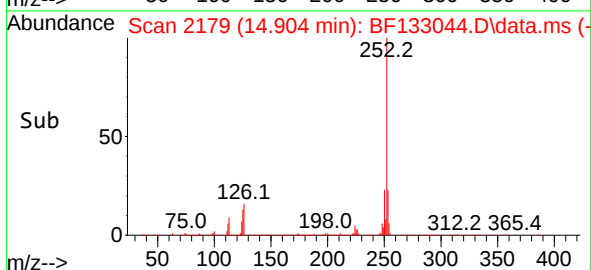
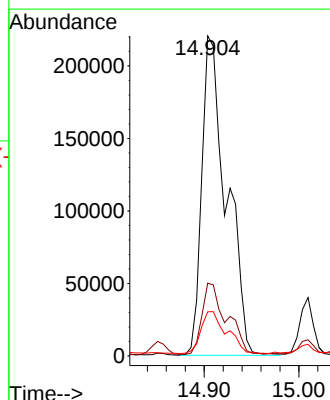
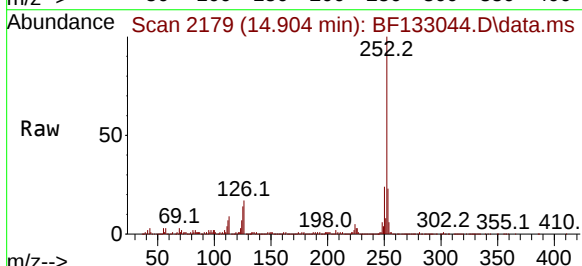
Tgt Ion:252 Resp: 400398

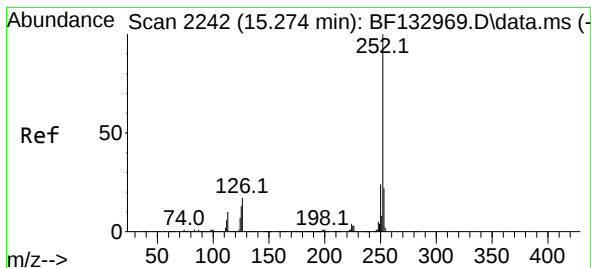
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 13.8 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 8.483 ng

RT: 15.251 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

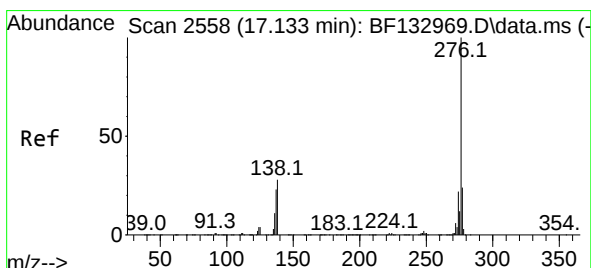
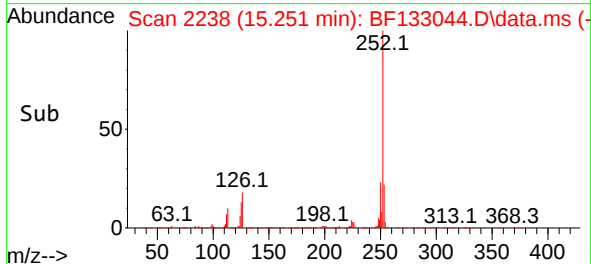
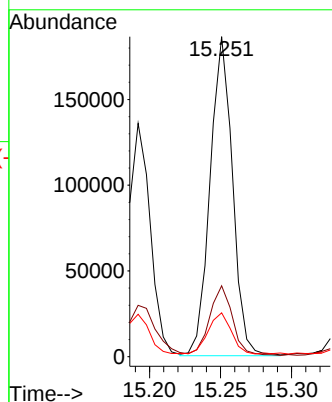
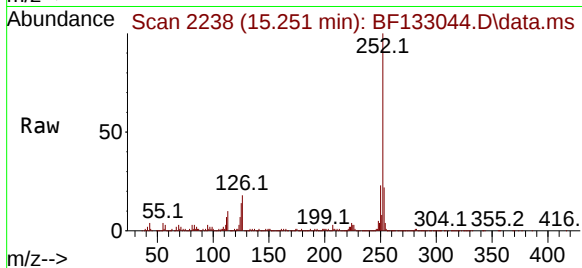
Tgt Ion:252 Resp: 204571

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 13.7 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 5.569 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.023 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Tgt Ion:276 Resp: 108622

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 26.5 22.7 34.1

