

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133219.D
 Acq On : 03 May 2023 21:23
 Operator : CG\JU
 Sample : 02584-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-050123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 01:42:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							05/04/2023 Supervised By : Jagrut Upadhyay
1) 1,4-Dichlorobenzene-d4	6.728	152	221028	20.000	ng	0.00	
21) Naphthalene-d8	8.010	136	888207	20.000	ng	0.00	
39) Acenaphthene-d10	9.763	164	431445	20.000	ng	0.00	
64) Phenanthrene-d10	11.245	188	614549	20.000	ng	0.00	
76) Chrysene-d12	13.880	240	421682	20.000	ng	-0.01	
86) Perylene-d12	15.304	264	369768	20.000	ng	0.00	05/04/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.334	112	650254	44.441	ng	0.00	
7) Phenol-d6	6.363	99	800499	44.078	ng	-0.01	
23) Nitrobenzene-d5	7.286	82	507021	30.812	ng	-0.01	
42) 2,4,6-Tribromophenol	10.551	330	93641	21.581	ng	0.00	
45) 2-Fluorobiphenyl	9.086	172	971168	37.659	ng	0.00	
79) Terphenyl-d14	12.833	244	724766	29.643	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.033	128	168719	3.799	ng		98
37) 2-Methylnaphthalene	8.722	142	185980	6.126	ng		98
38) 1-Methylnaphthalene	8.822	142	173762	6.118	ng		97
49) Acenaphthylene	9.622	152	88799	2.219	ng	#	92
52) Acenaphthene	9.792	154	91017	3.396	ng		100
58) Fluorene	10.310	166	164421	6.139	ng		100
71) Phenanthrene	11.269	178	874980	26.490	ng		99
72) Anthracene	11.321	178	216870	6.416	ng		99
75) Fluoranthene	12.457	202	619087	18.676	ng		97
78) Pyrene	12.686	202	819454	22.669	ng		100
81) Benzo(a)anthracene	13.868	228	340473	11.741	ng		93
83) Chrysene	13.904	228	337046	11.626	ng		97
87) Indeno(1,2,3-cd)pyrene	16.674	276	83599	3.975	ng		96
88) Benzo(b)fluoranthene	14.898	252	278187m	11.826	ng		
89) Benzo(k)fluoranthene	14.921	252	66013m	2.831	ng		
90) Benzo(a)pyrene	15.239	252	228216	10.658	ng		98
92) Benzo(g,h,i)perylene	17.092	276	88968	5.137	ng		95

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

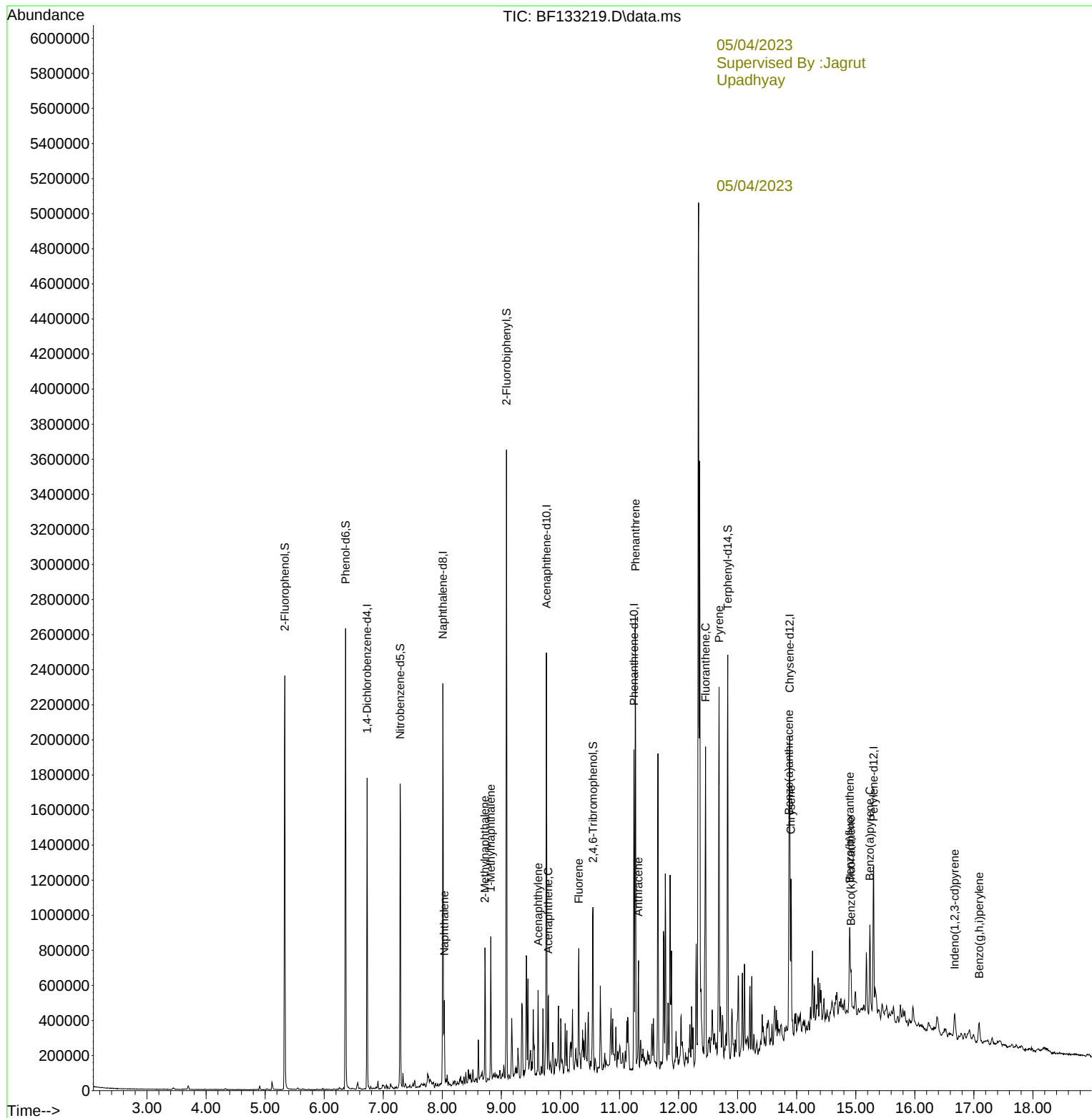
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
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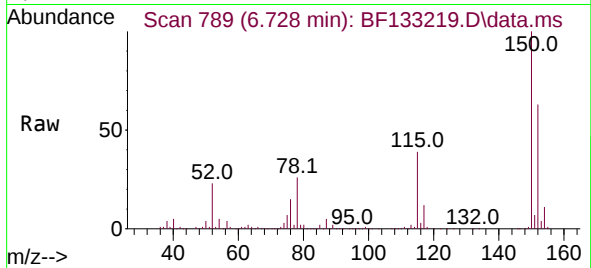
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

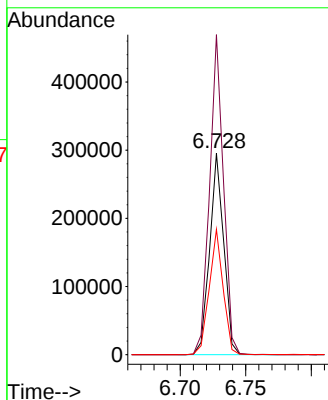
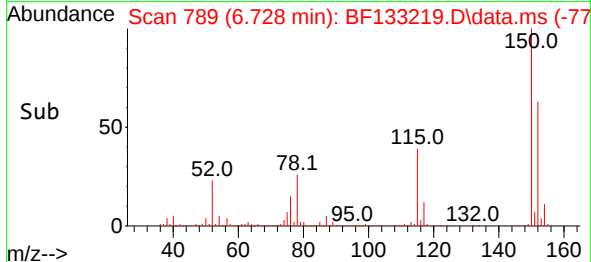
TR-05-050123



Tgt Ion:152 Resp: 221028
Ion Ratio Lower Upper
152 100
150 158.8 124.8 187.2
115 62.1 49.9 74.9

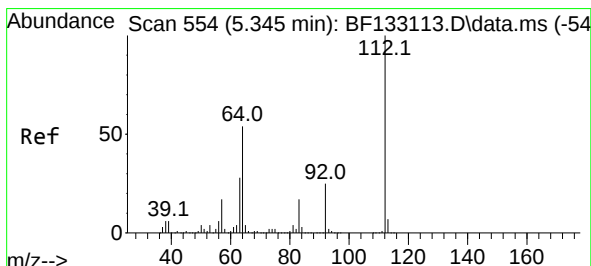
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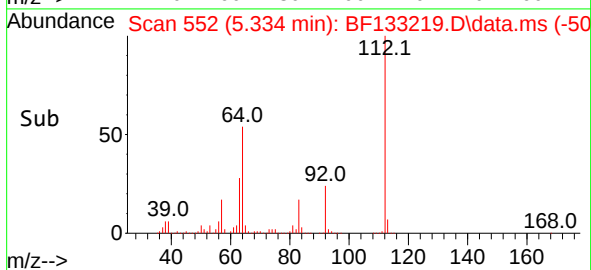
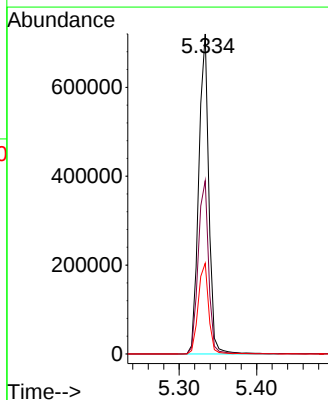
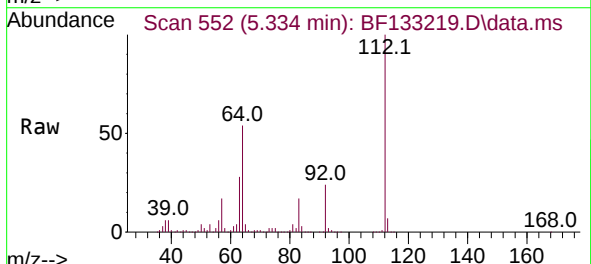
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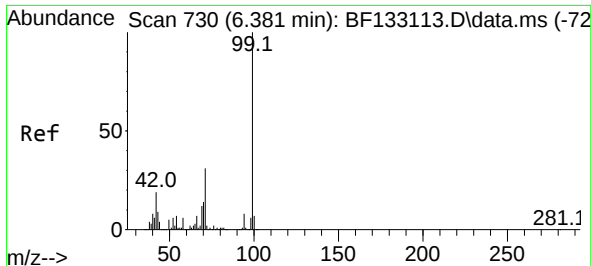
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#5
2-Fluorophenol
Concen: 44.441 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:112 Resp: 650254
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 28.3 23.8 35.8





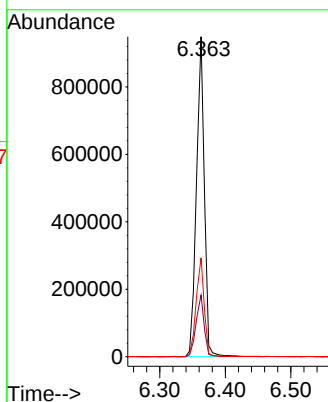
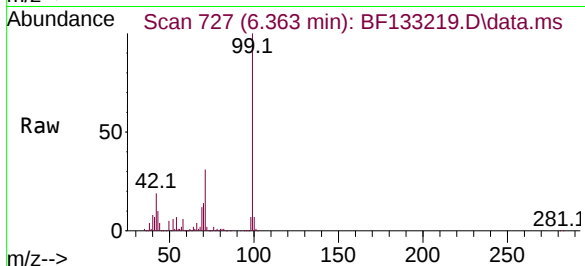
#7
Phenol-d6
Concen: 44.078 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

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TR-05-050123

Tgt Ion: 99 Resp: 800499
Ion Ratio Lower Upper
99 100
42 19.3 16.3 24.5
71 30.9 25.6 38.4

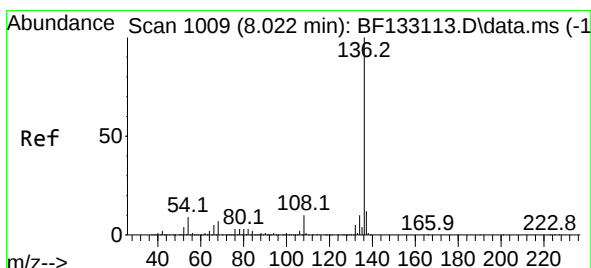
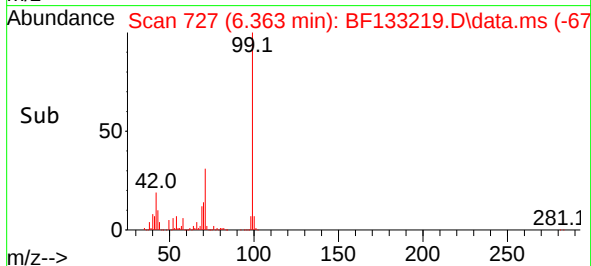
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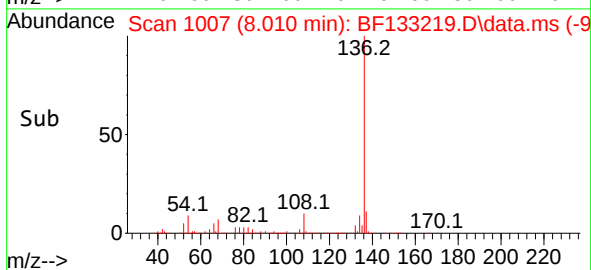
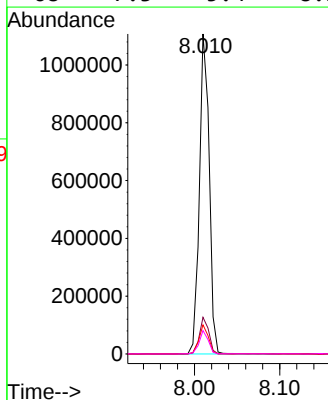
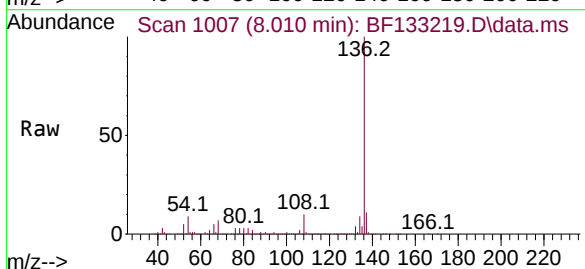
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:136 Resp: 888207
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 9.1 7.0 10.4
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 30.812 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

Tgt Ion: 82 Resp: 50702

Ion Ratio Lower Upper

82 100

128 45.9 37.7 56.5

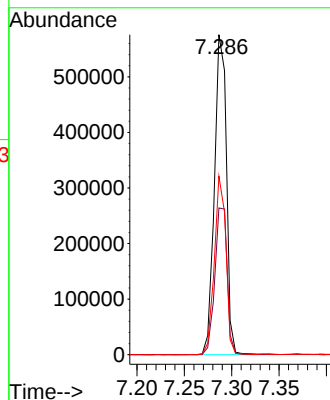
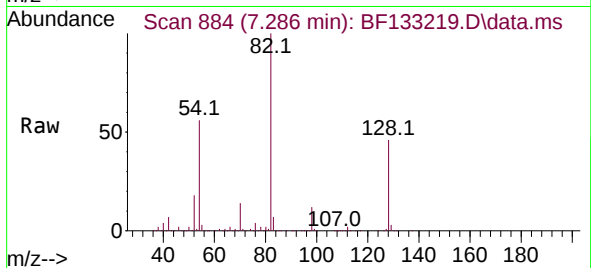
54 55.8 43.0 64.4

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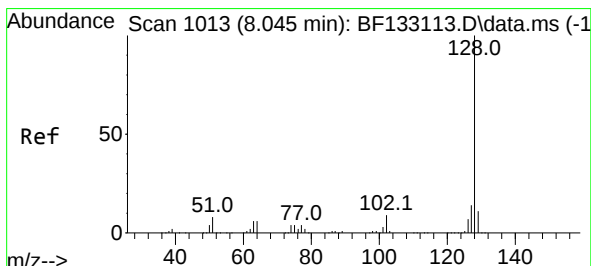
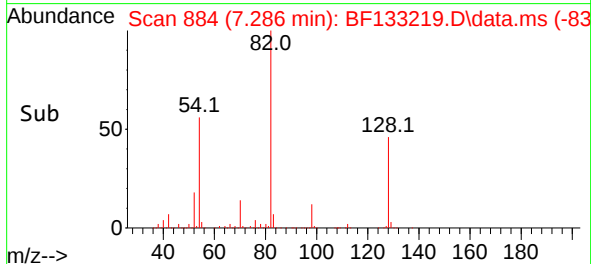
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#31

Naphthalene

Concen: 3.799 ng

RT: 8.033 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

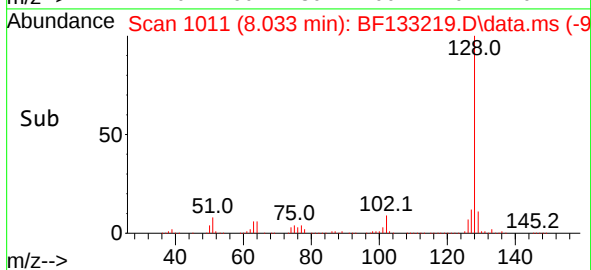
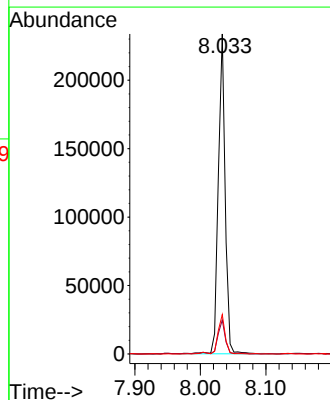
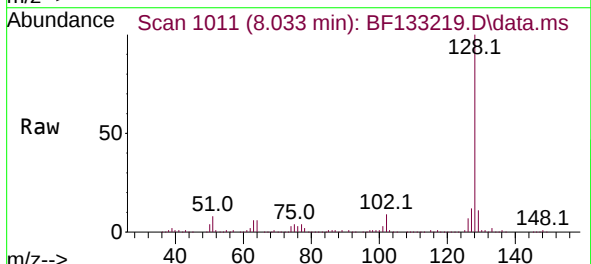
Tgt Ion:128 Resp: 168719

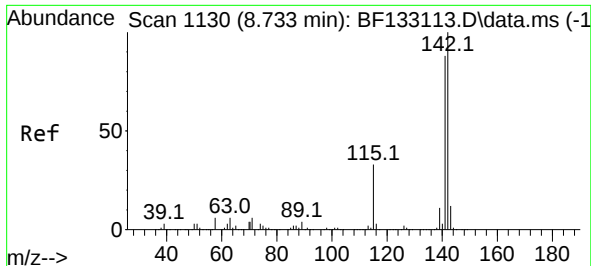
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.3 10.7 16.1





#37

2-Methylnaphthalene

Concen: 6.126 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

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ClientSampleId :

TR-05-050123

Tgt Ion:142 Resp: 185980

Ion Ratio Lower Upper

142 100

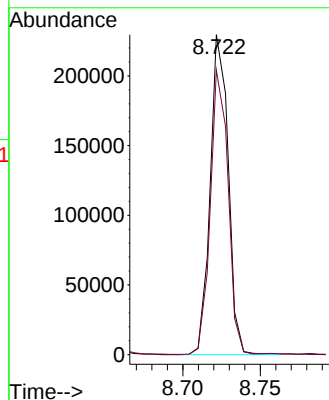
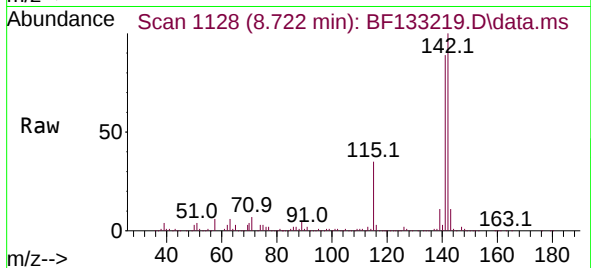
141 88.9 69.4 104.0

Manual Integrations

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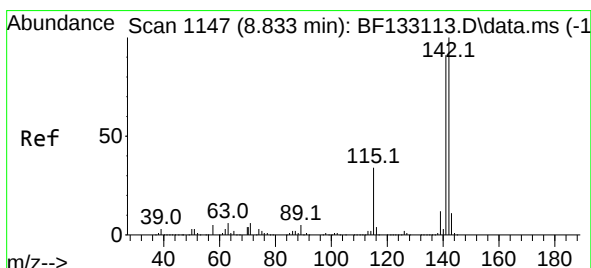
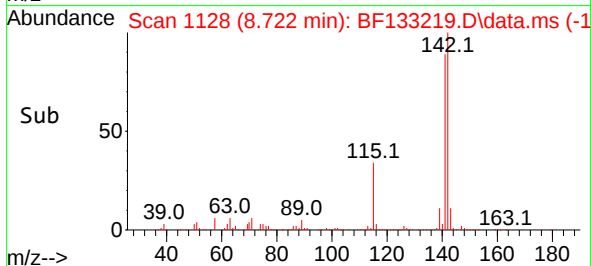


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#38

1-Methylnaphthalene

Concen: 6.118 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF133219.D

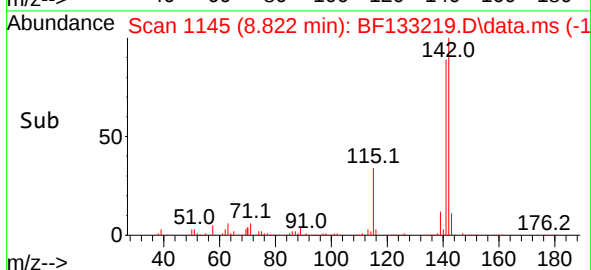
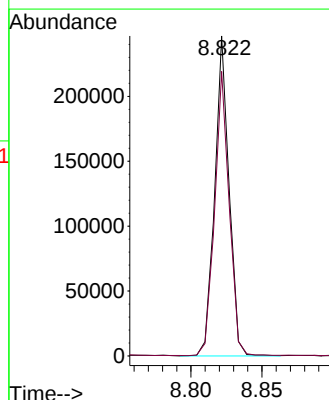
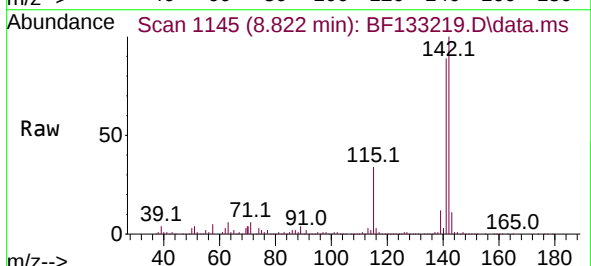
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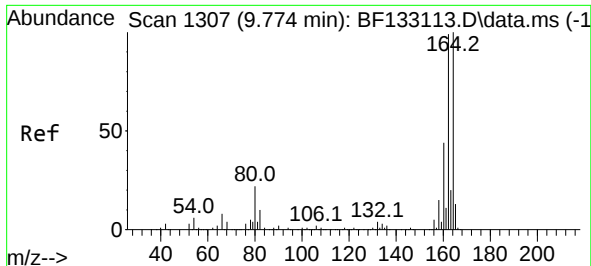
Tgt Ion:142 Resp: 173762

Ion Ratio Lower Upper

142 100

141 88.9 73.1 109.7





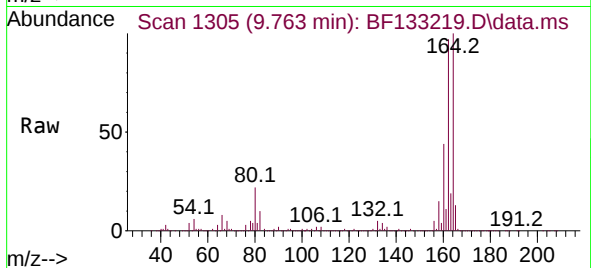
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

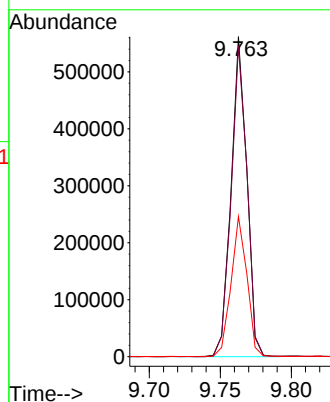
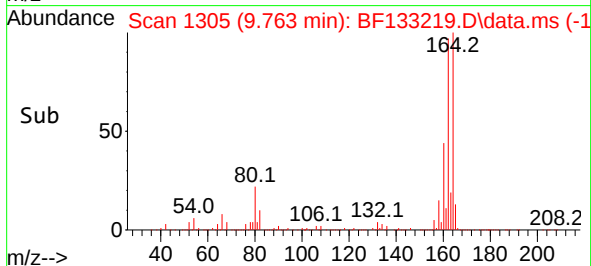
TR-05-050123



Tgt Ion:164 Resp: 431445
Ion Ratio Lower Upper
164 100
162 97.1 78.7 118.1
160 43.8 35.8 53.6

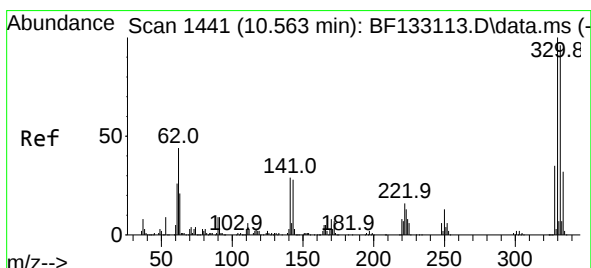
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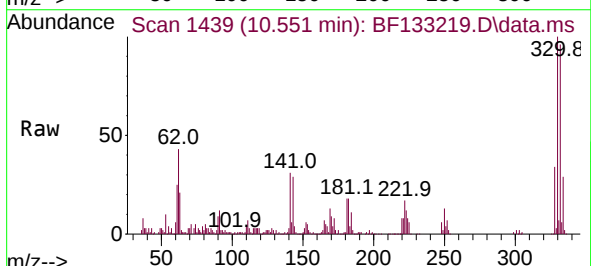


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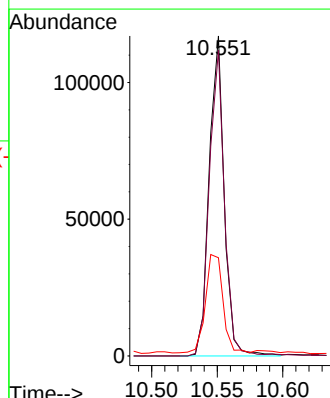
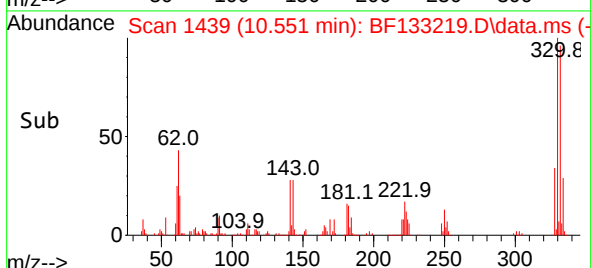
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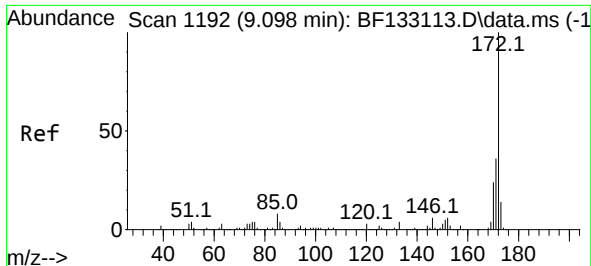


#42
2,4,6-Tribromophenol
Concen: 21.581 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23



Tgt Ion:330 Resp: 93641
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 35.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 37.659 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

Tgt Ion:172 Resp: 97116

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

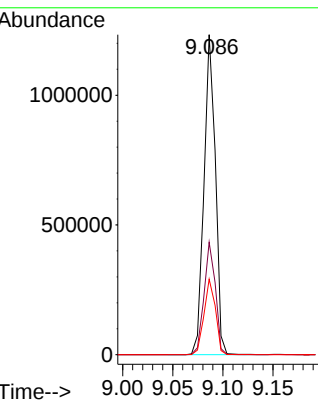
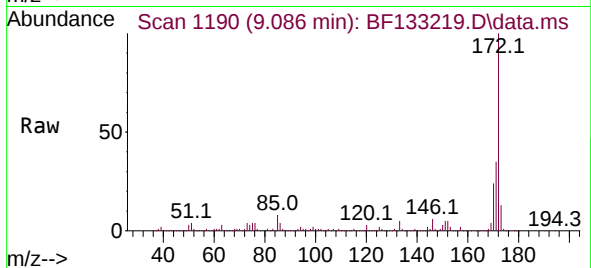
170 23.6 19.4 29.2

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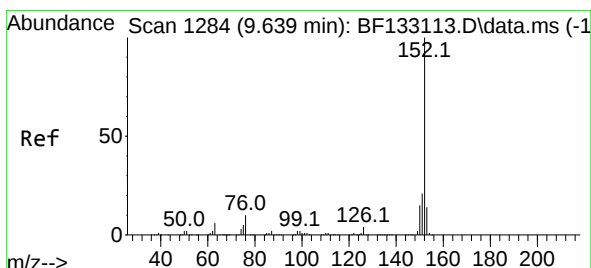
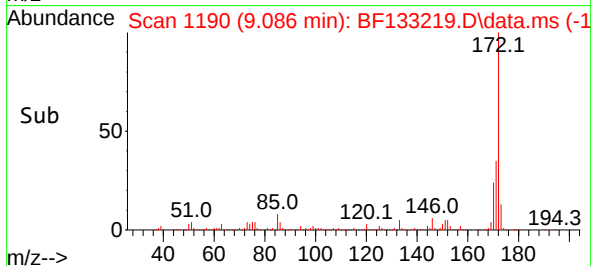
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#49

Acenaphthylene

Concen: 2.219 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

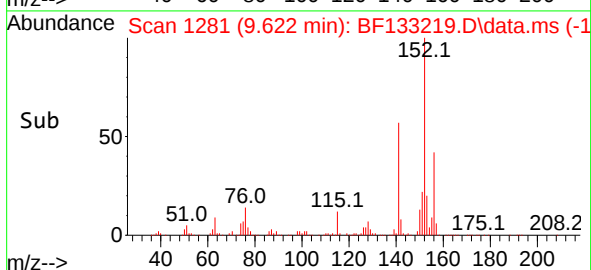
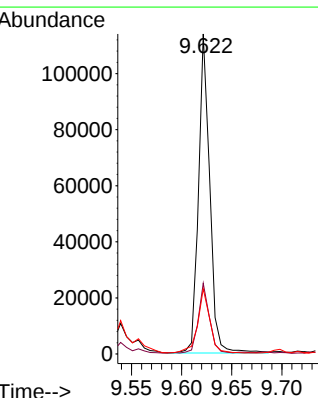
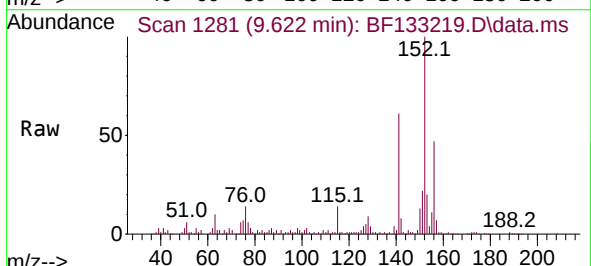
Tgt Ion:152 Resp: 88799

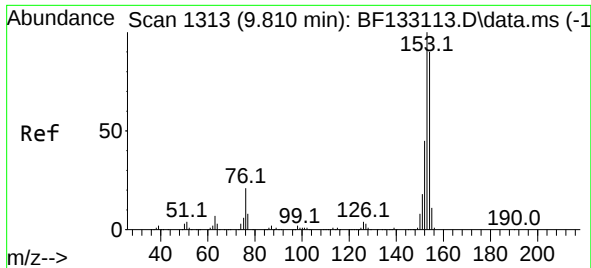
Ion Ratio Lower Upper

152 100

151 22.1 16.6 24.8

153 20.4 11.5 17.3#





#52
Acenaphthene
Concen: 3.396 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Instrument :

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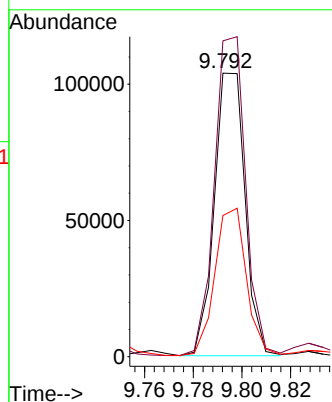
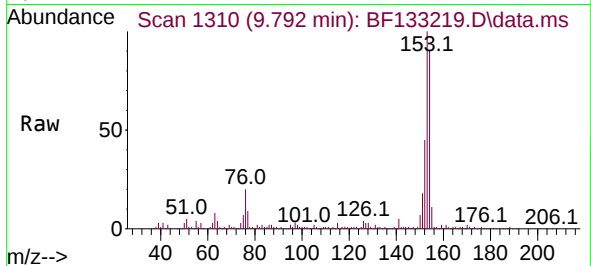
ClientSampleId :

TR-05-050123

Tgt Ion:154 Resp: 9101
Ion Ratio Lower Upper
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152 49.8 40.4 60.6

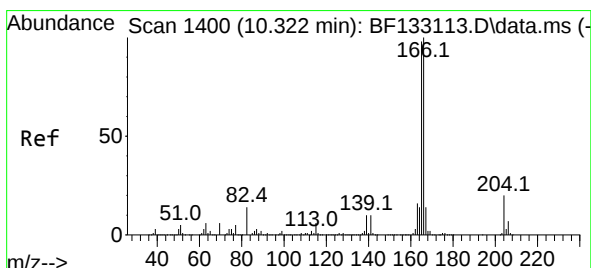
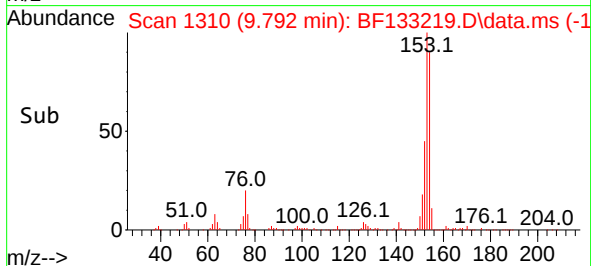
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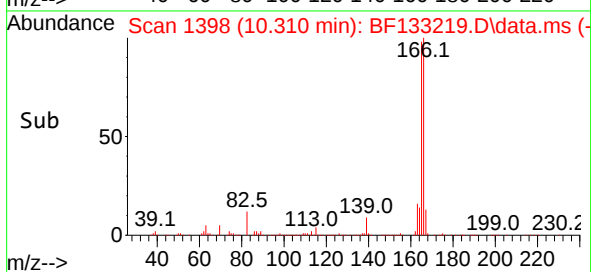
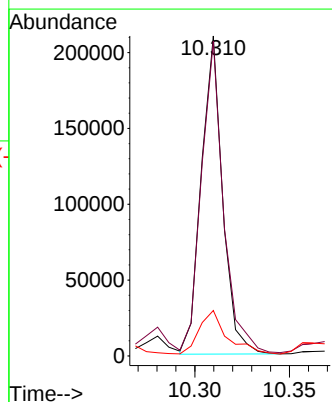
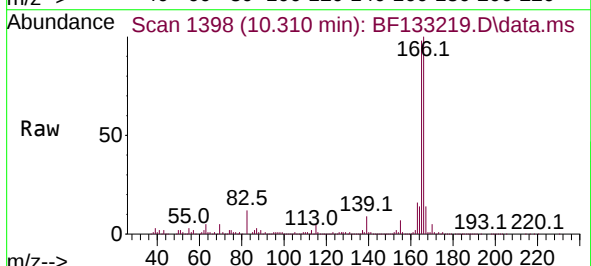
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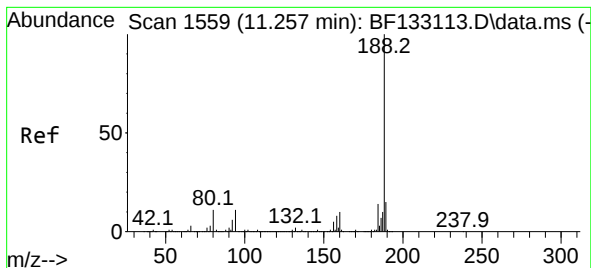
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#58
Fluorene
Concen: 6.139 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:166 Resp: 164421
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 14.2 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Instrument :

BNA_F

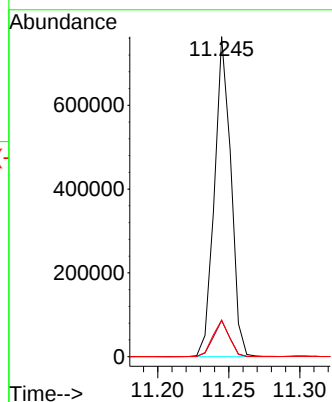
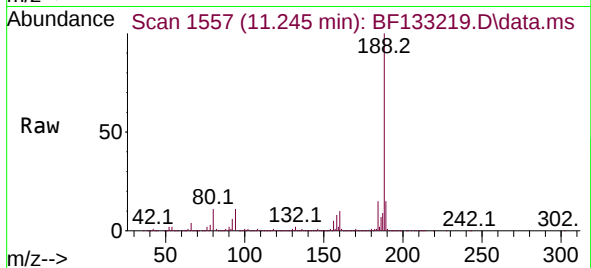
ClientSampleId :

TR-05-050123

Tgt Ion:188 Resp: 614549
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.5 10.4 15.6

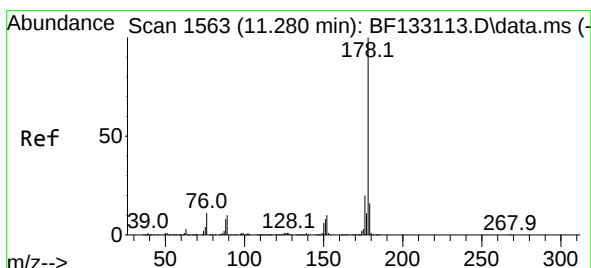
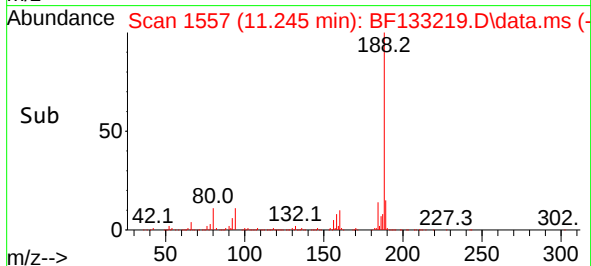
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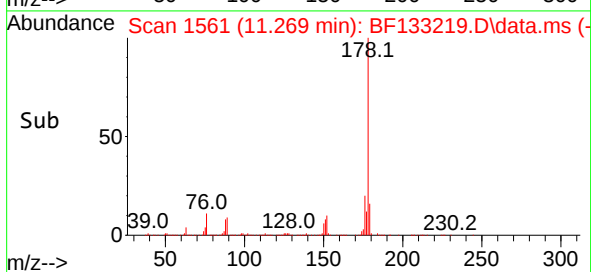
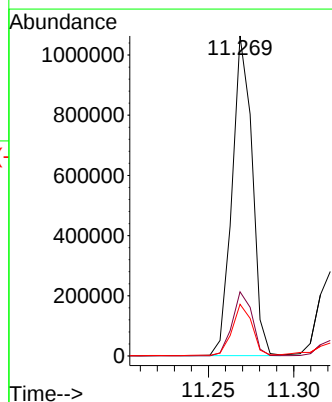
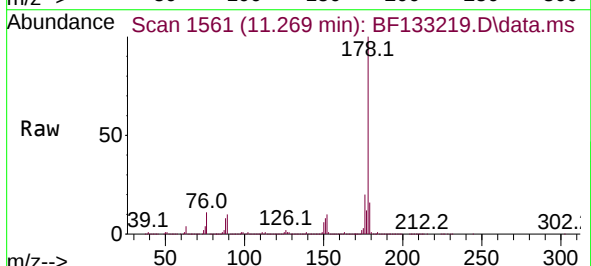
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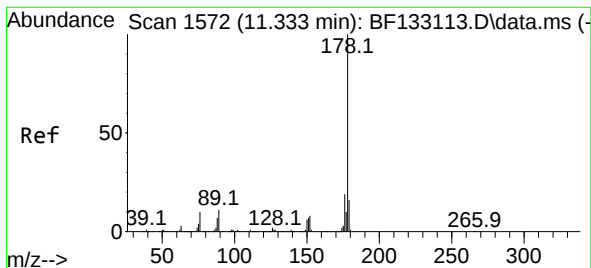
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#71
Phenanthrene
Concen: 26.490 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:178 Resp: 874980
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 16.1 12.5 18.7





#72

Anthracene

Concen: 6.416 ng

RT: 11.321 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

Tgt Ion:178 Resp: 216870

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

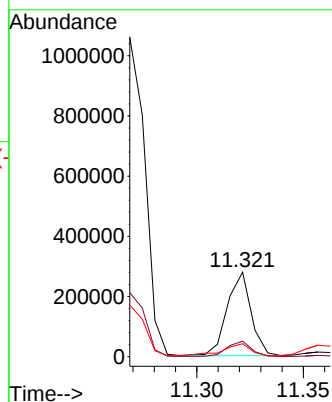
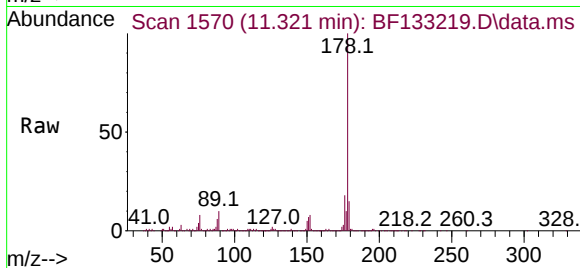
179 15.5 12.4 18.6

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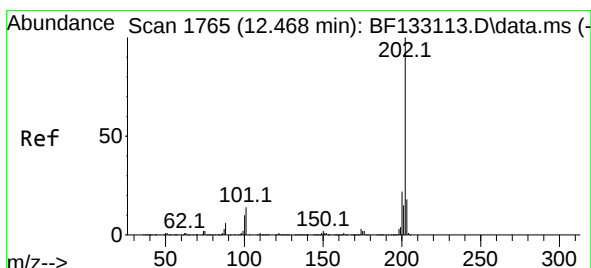
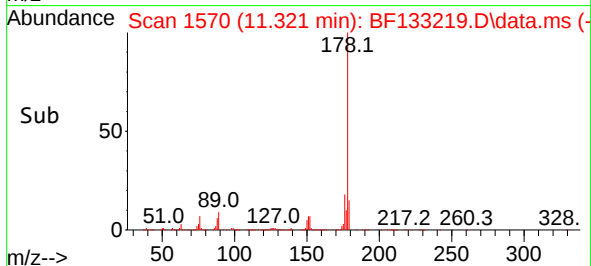
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#75

Fluoranthene

Concen: 18.676 ng

RT: 12.457 min Scan# 1763

Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

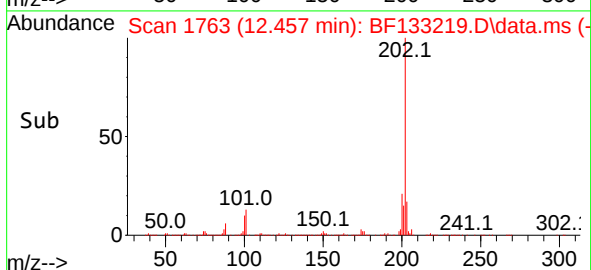
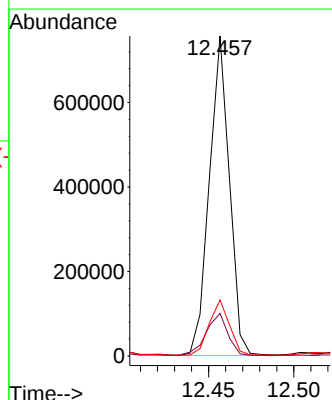
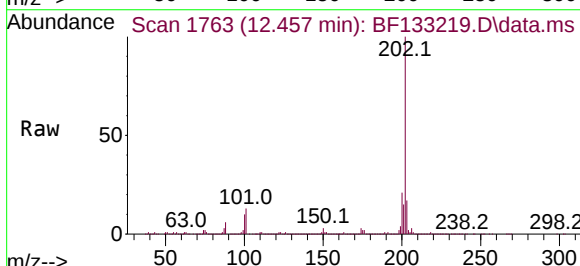
Tgt Ion:202 Resp: 619087

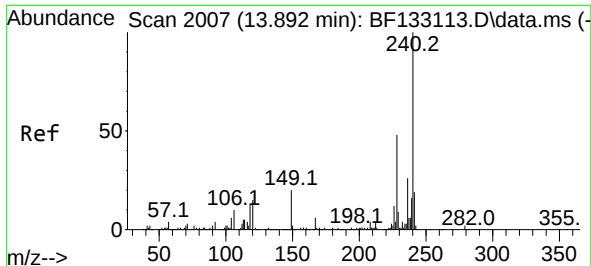
Ion Ratio Lower Upper

202 100

101 13.3 0.0 35.3

203 17.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Instrument :

BNA_F

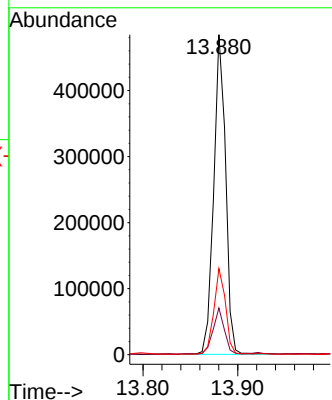
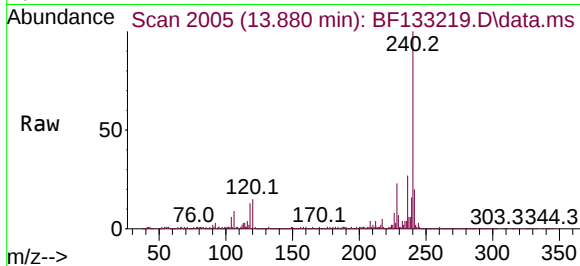
ClientSampleId :

TR-05-050123

Tgt Ion:240 Resp: 421682
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 26.9 21.5 32.3

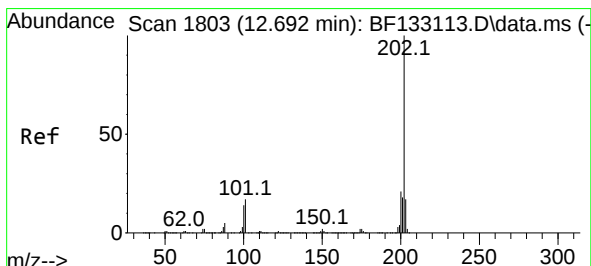
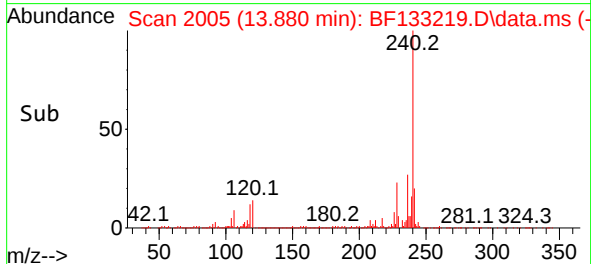
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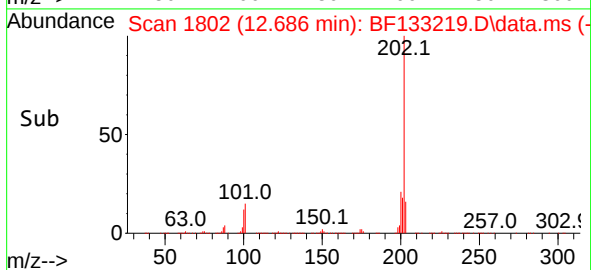
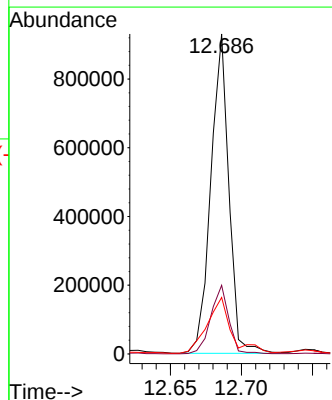
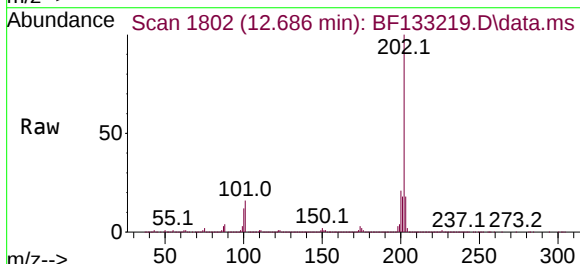
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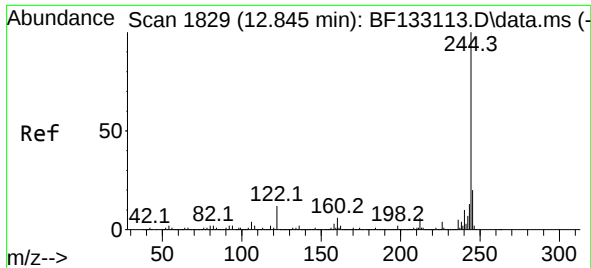
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#78
Pyrene
Concen: 22.669 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:202 Resp: 819454
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.7 14.1 21.1





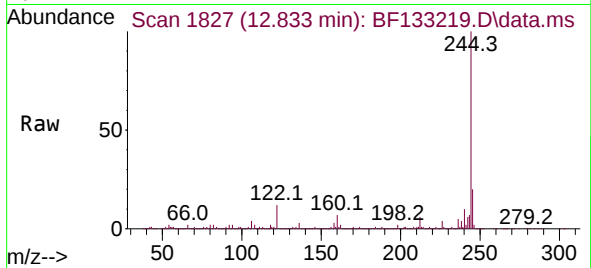
#79
 Terphenyl-d14
 Concen: 29.643 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

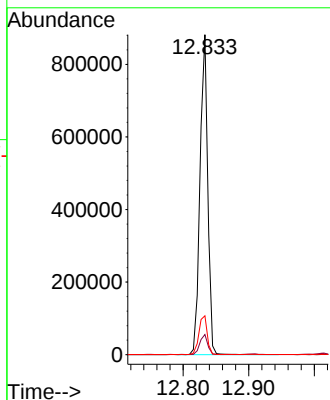
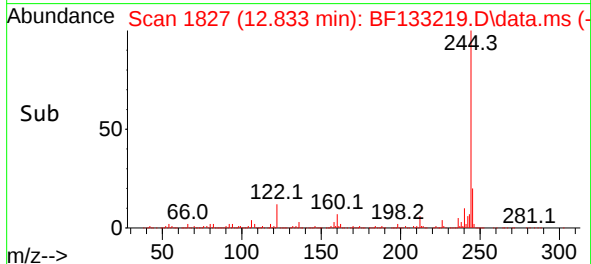
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Tgt Ion:244 Resp: 724760
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.1 8.6 13.0

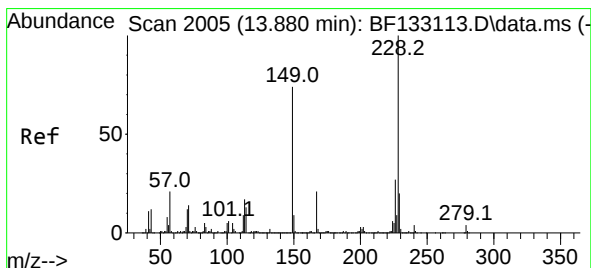
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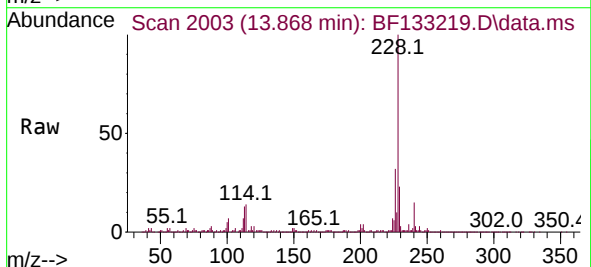


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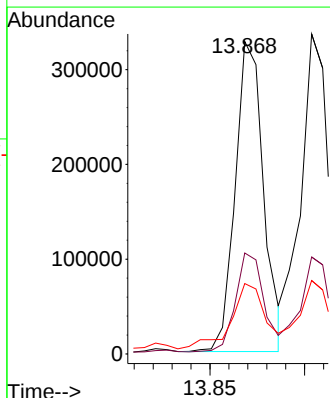
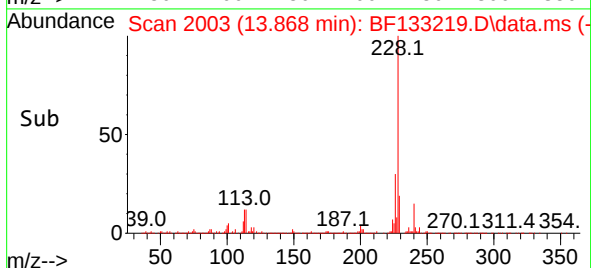
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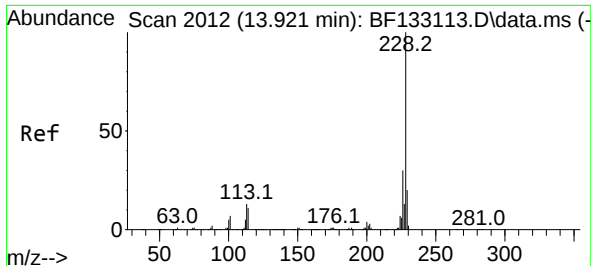


#81
 Benzo(a)anthracene
 Concen: 11.741 ng
 RT: 13.868 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF133219.D
 Acq: 03 May 2023 21:23



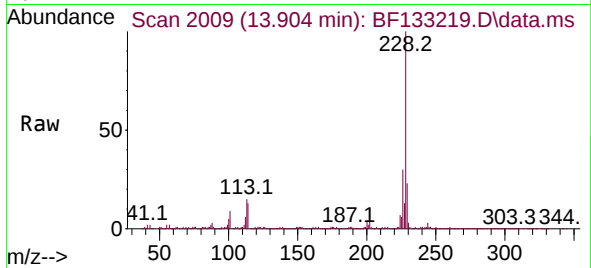
Tgt Ion:228 Resp: 340473
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.2 33.4
 229 22.5 16.0 24.0





#83
Chrysene
Concen: 11.626 ng
RT: 13.904 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

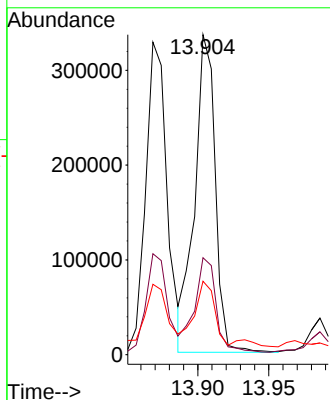
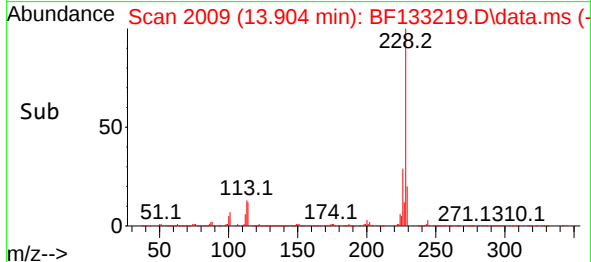
Instrument :
BNA_F
ClientSampleId :
TR-05-050123



Tgt Ion:228 Resp: 337040
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 23.0 16.1 24.1

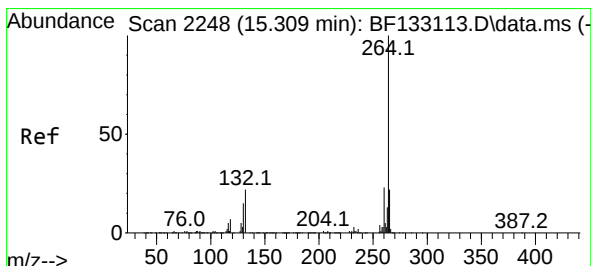
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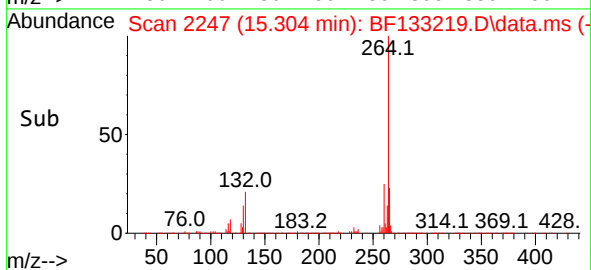
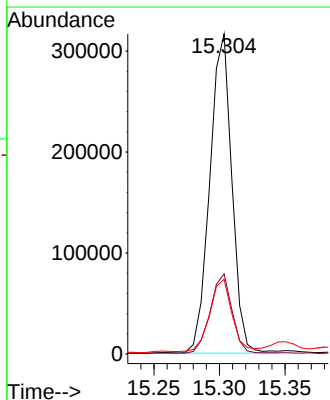
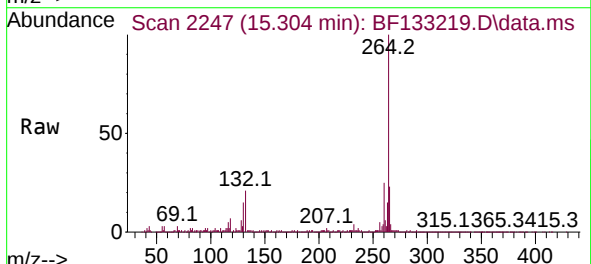
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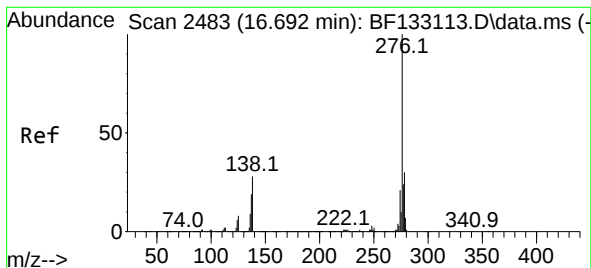
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BF133219.D
Acq: 03 May 2023 21:23

Tgt Ion:264 Resp: 369768
Ion Ratio Lower Upper
264 100
260 25.1 18.8 28.2
265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.975 ng

RT: 16.674 min Scan# 2483

Delta R.T. -0.018 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

TR-05-050123

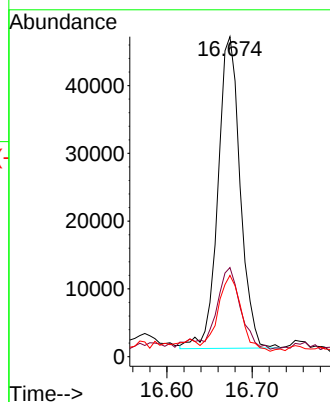
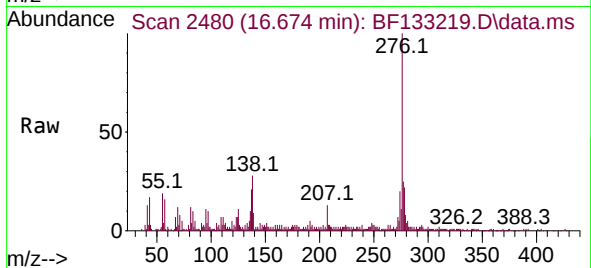
Tgt Ion:	276	Resp:	8359
Ion Ratio	Lower	Upper	
276	100		
138	28.3	25.5	38.3
277	25.5	20.4	30.6

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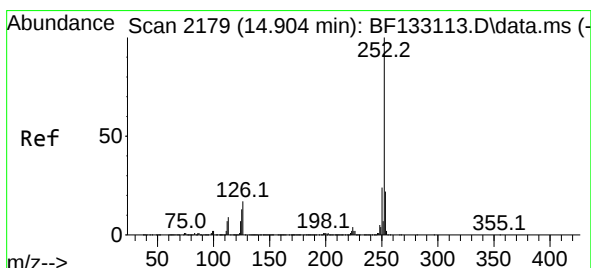
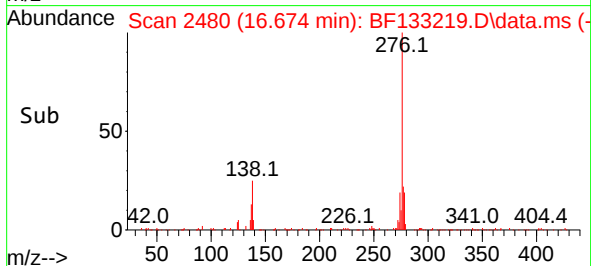
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#88

Benzo(b)fluoranthene

Concen: 11.826 ng m

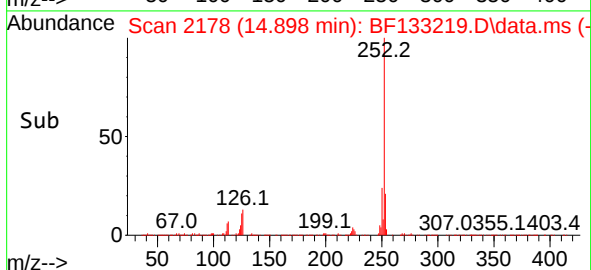
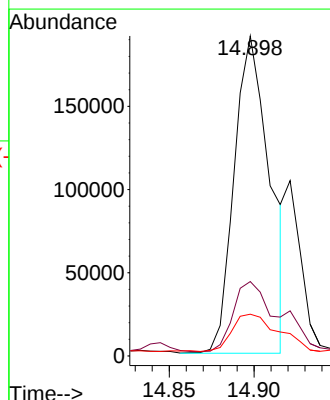
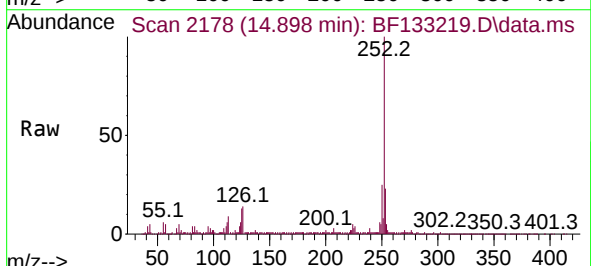
RT: 14.898 min Scan# 2178

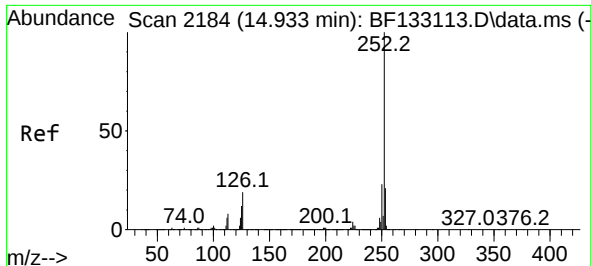
Delta R.T. -0.006 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Tgt Ion:	252	Resp:	278187
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	13.0	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 2.831 ng m

RT: 14.921 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

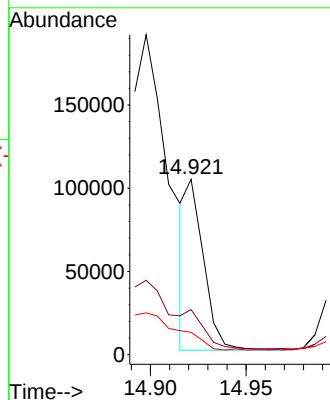
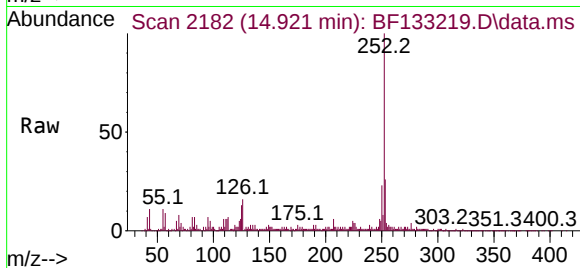
ClientSampleId :

TR-05-050123

Tgt Ion:	252	Resp:	6601
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.7	26.5
125	12.7	9.0	13.4

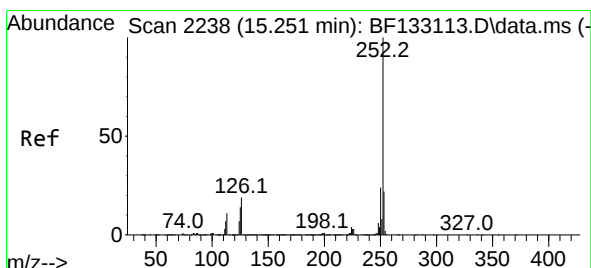
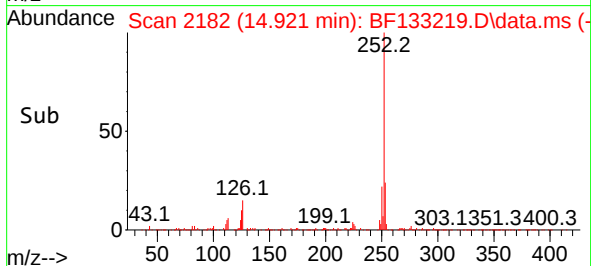
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#90

Benzo(a)pyrene

Concen: 10.658 ng

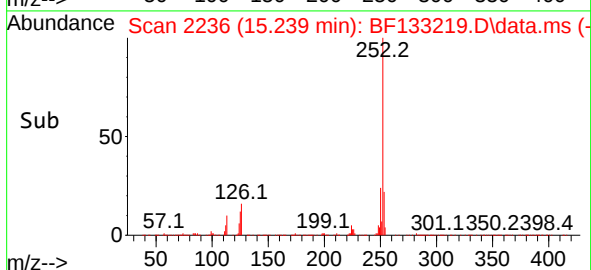
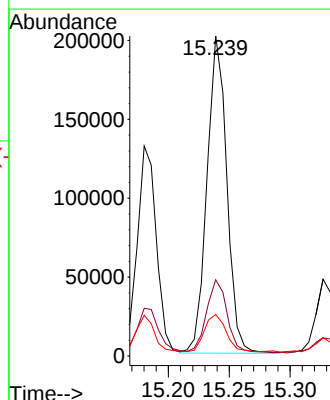
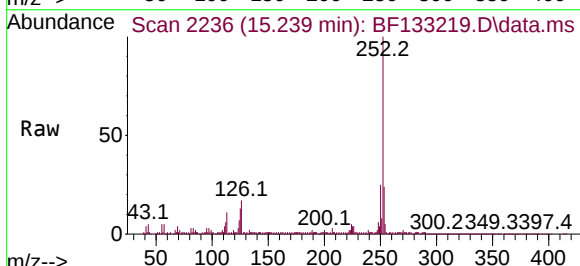
RT: 15.239 min Scan# 2236

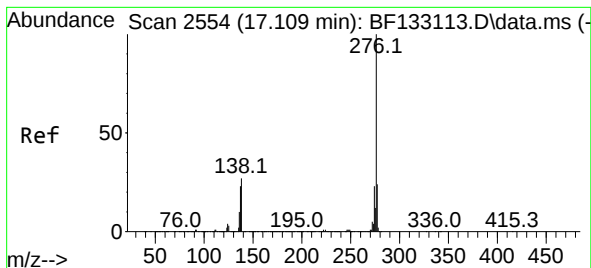
Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Tgt Ion:	252	Resp:	228216
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.7	26.5
125	13.0	10.5	15.7





#92

Benzo(g,h,i)perylene

Concen: 5.137 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133219.D

Acq: 03 May 2023 21:23

Instrument :

BNA_F

ClientSampleId :

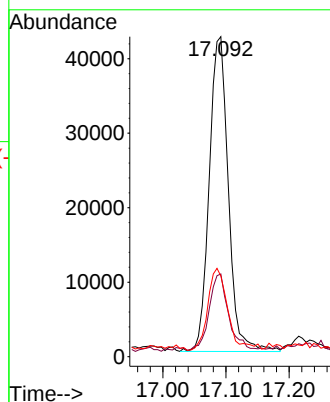
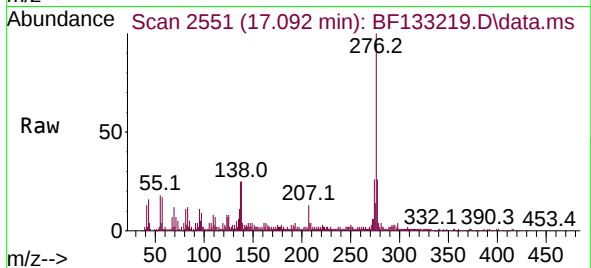
TR-05-050123

Tgt Ion:	276	Resp:	8896
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.4	29.0
138	25.2	22.7	34.1

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05/04/2023

