

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123843.D
 Acq On : 5 May 2021 23:26
 Operator : JU/CG
 Sample : M2278-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-050421

Manual Integrations
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Quant Time: May 06 00:52:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 05 13:09:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	290395	20.00	ng	0.00
21) Naphthalene-d8	8.080	136	1076291	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	469524	20.00	ng	0.00
64) Phenanthrene-d10	11.327	188	719206	20.00	ng	0.00
76) Chrysene-d12	13.974	240	481348	20.00	ng	0.00
86) Perylene-d12	15.433	264	352453	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	680491	37.12	ng	0.00
7) Phenol-d6	6.434	99	884354	35.02	ng	0.00
23) Nitrobenzene-d5	7.357	82	591425	24.81	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	169778	29.05	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	861867	26.73	ng	0.00
79) Terphenyl-d14	12.915	244	608435	24.34	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.792	142	82167	2.27	ng	96
38) 1-Methylnaphthalene	8.892	142	95857	2.82	ng	97
49) Acenaphthylene	9.698	152	139607	2.98	ng	98
52) Acenaphthene	9.869	154	88713	3.11	ng	97
55) Dibenzofuran	10.039	168	124796	2.89	ng	# 95
58) Fluorene	10.386	166	232132	7.00	ng	99
71) Phenanthrene	11.351	178	1322430	35.05	ng	99
72) Anthracene	11.398	178	388969	10.37	ng	99
73) Carbazole	11.557	167	86957	2.29	ng	99
75) Fluoranthene	12.545	202	1740698	42.31	ng	99
78) Pyrene	12.774	202	1756365	47.01	ng	98
81) Benzo(a)anthracene	13.962	228	763185	26.16	ng	97
83) Chrysene	13.998	228	668974	22.80	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	268726	13.09	ng	96
88) Benzo(b)fluoranthene	15.009	252	640762m	26.98	ng	
89) Benzo(k)fluoranthene	15.039	252	231213m	10.20	ng	
90) Benzo(a)pyrene	15.374	252	482695	23.77	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	69062	3.98	ng	# 82
92) Benzo(g,h,i)perylene	17.315	276	257441	14.83	ng	95

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

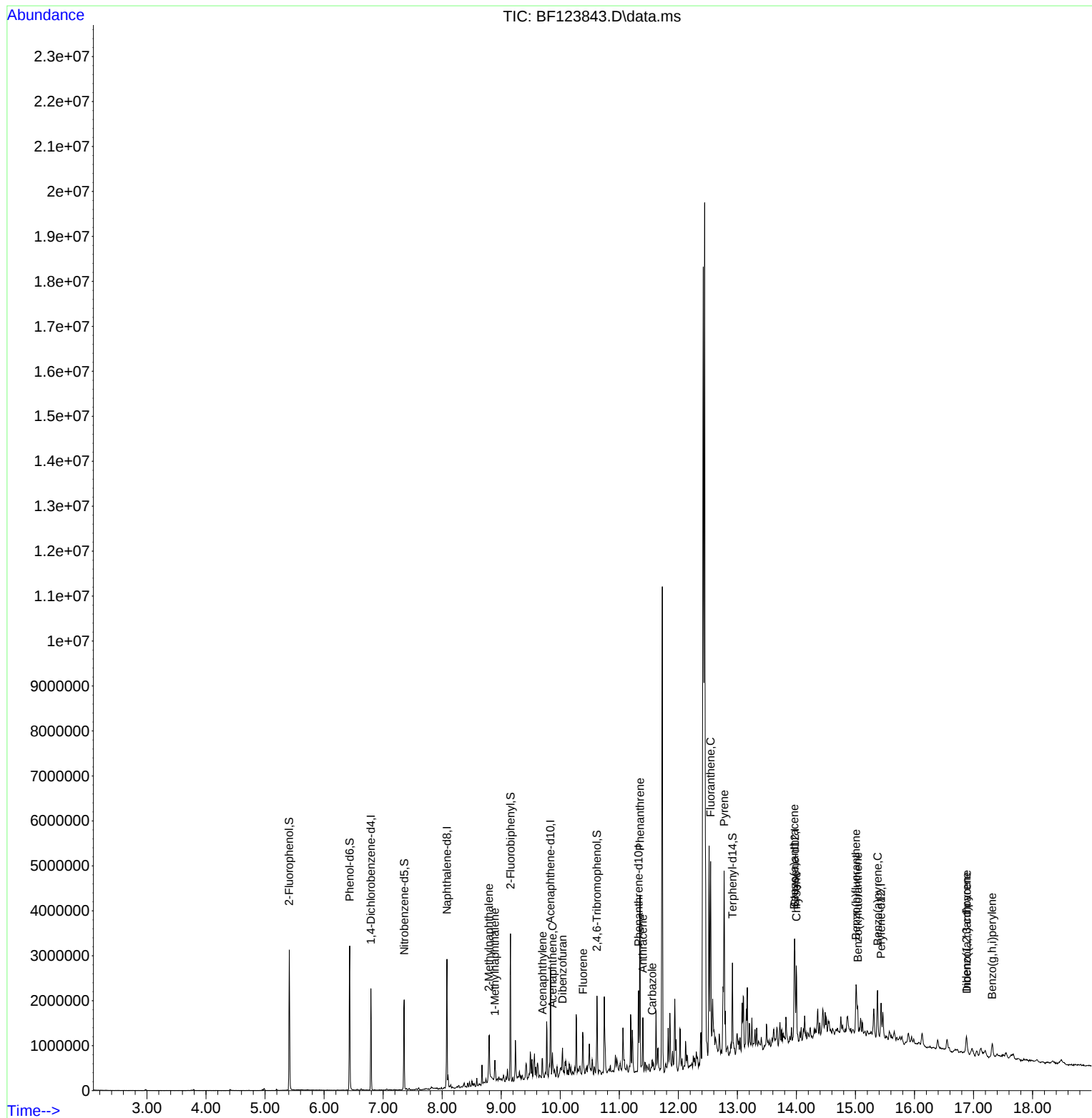
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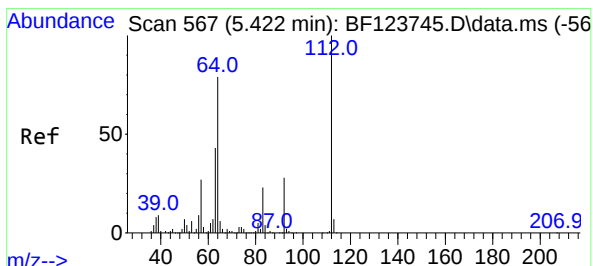
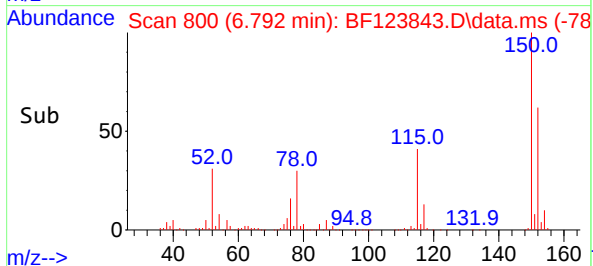
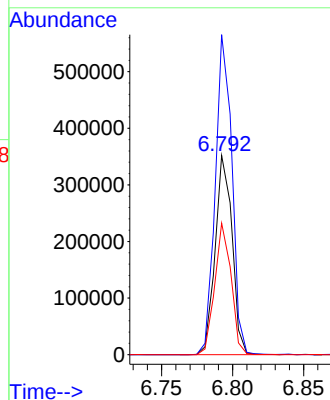
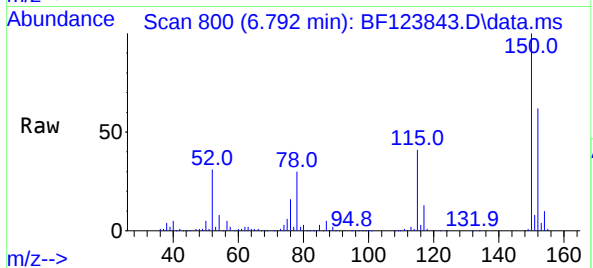
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:152 Resp: 290395
Ion Ratio Lower Upper
152 100
150 160.7 127.0 190.6
115 66.0 54.3 81.5

Instrument :
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ClientSampleId :
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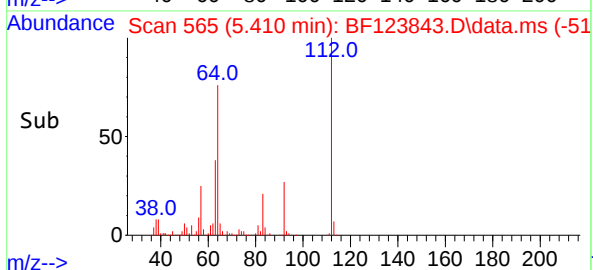
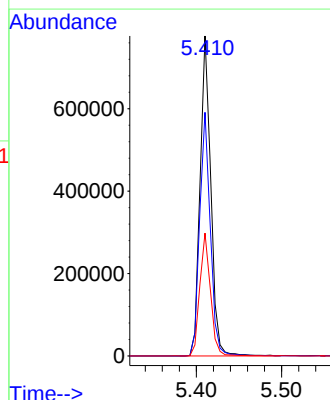
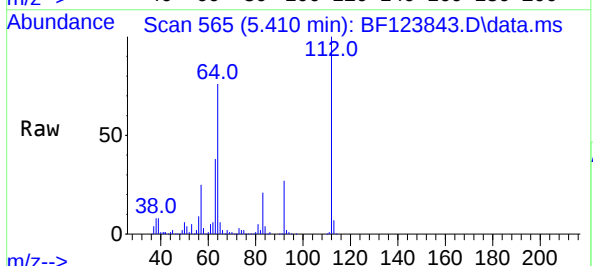
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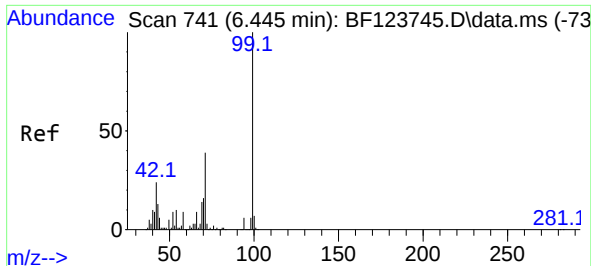
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#5
2-Fluorophenol
Concen: 37.12 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:112 Resp: 680491
Ion Ratio Lower Upper
112 100
64 76.2 61.4 92.0
63 38.4 33.0 49.4





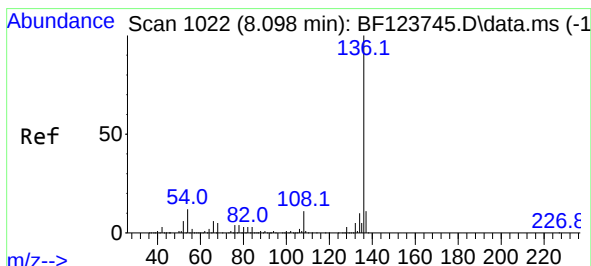
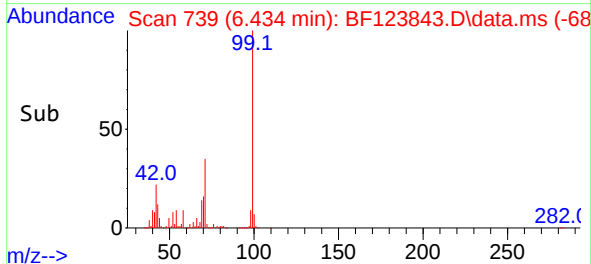
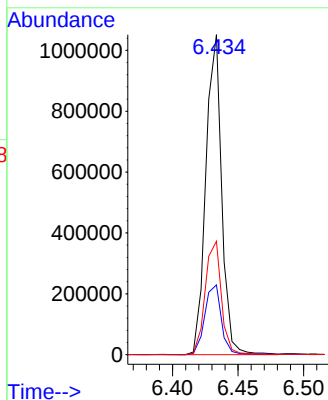
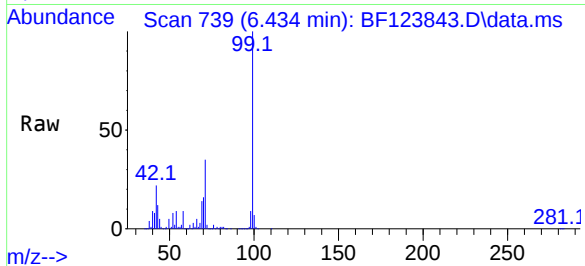
#7
Phenol-d6
Concen: 35.02 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:	99	Resp:	884354
Ion	Ratio	Lower	Upper
99	100		
42	21.8	19.8	29.8
71	35.5	31.1	46.7

Instrument :
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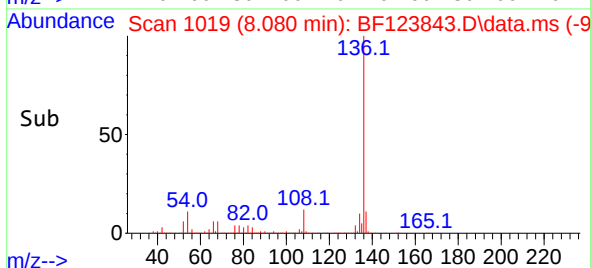
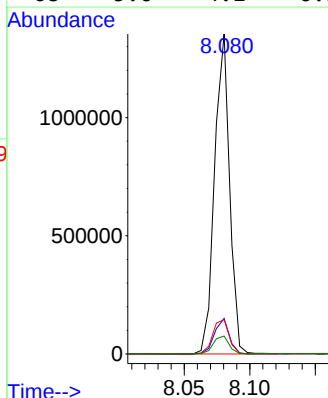
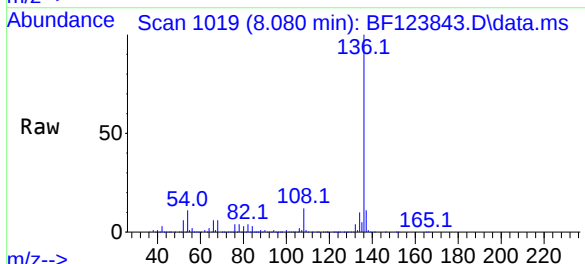
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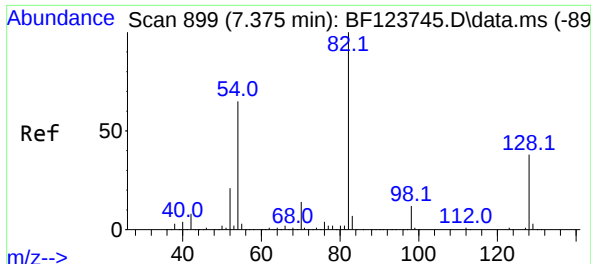
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:	136	Resp:	1076291
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.8	14.6
68	5.6	4.1	6.1





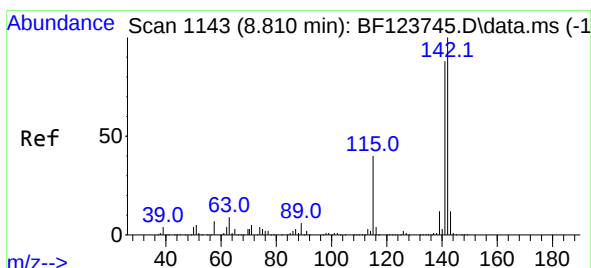
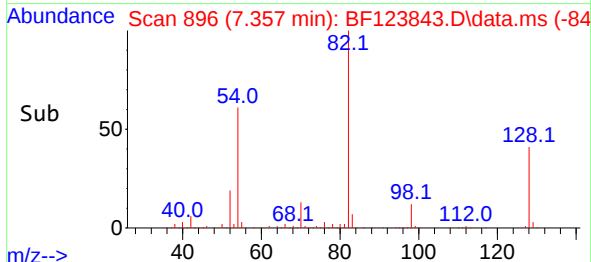
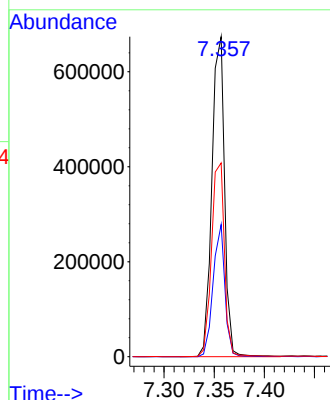
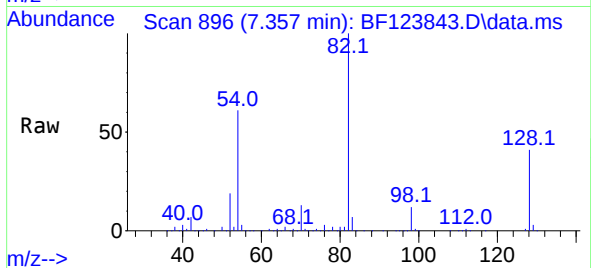
#23
Nitrobenzene-d5
Concen: 24.81 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion: 82 Resp: 591425
Ion Ratio Lower Upper
82 100
128 41.3 29.4 44.2
54 60.6 54.1 81.1

Instrument :
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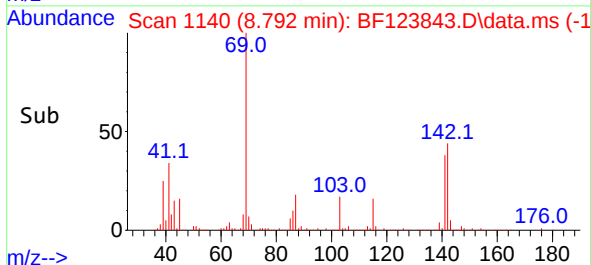
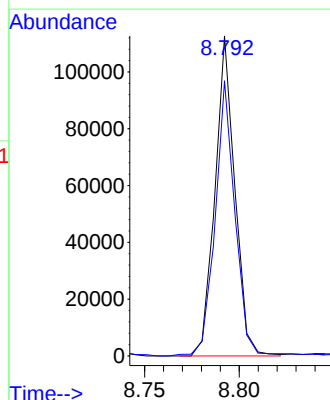
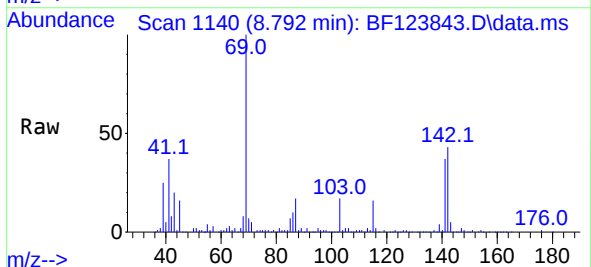
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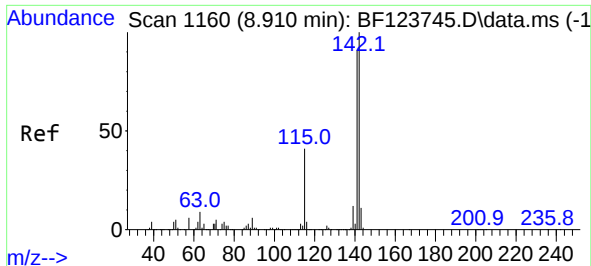
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#37
2-Methylnaphthalene
Concen: 2.27 ng
RT: 8.792 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion: 142 Resp: 82167
Ion Ratio Lower Upper
142 100
141 86.0 71.8 107.6





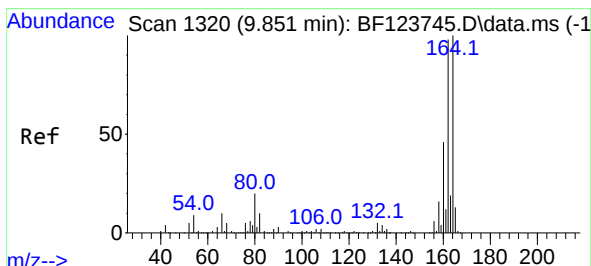
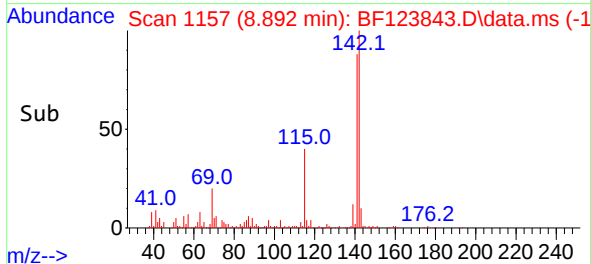
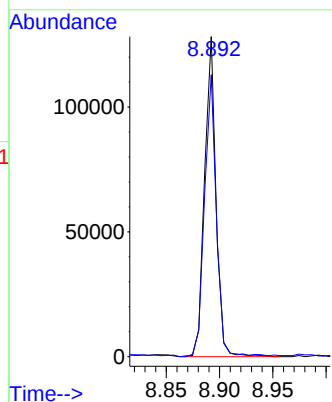
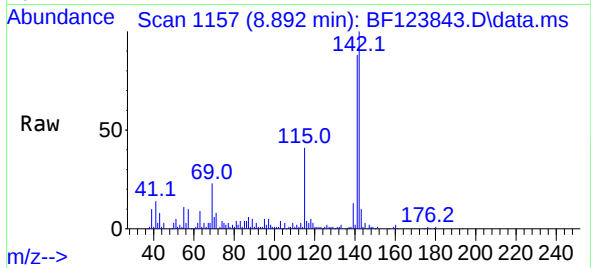
#38
1-Methylnaphthalene
Concen: 2.82 ng
RT: 8.892 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 95857
Ion Ratio Lower Upper
142 100
141 88.1 72.8 109.2

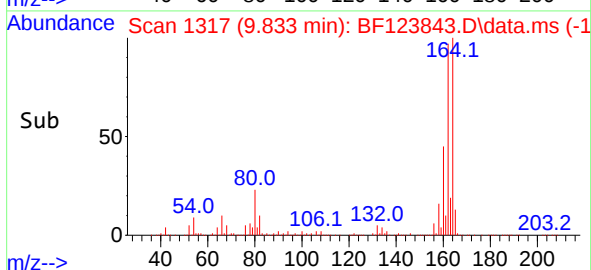
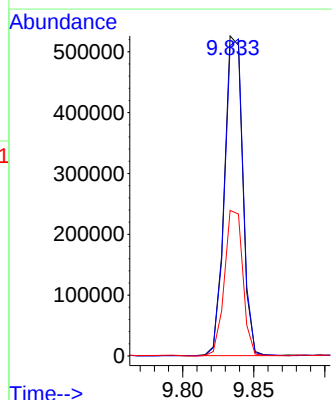
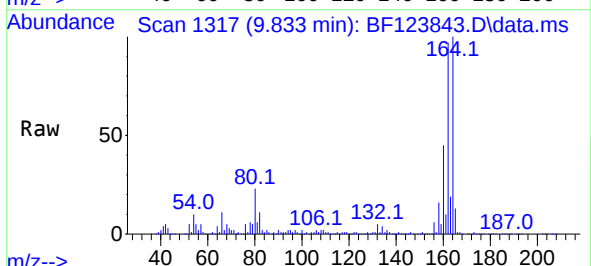
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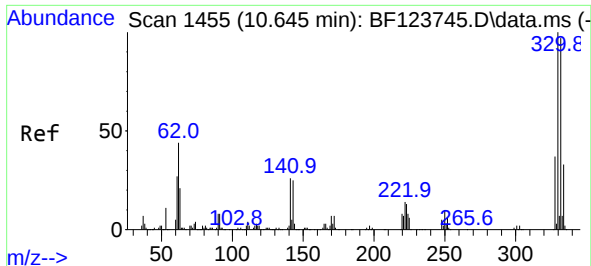
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

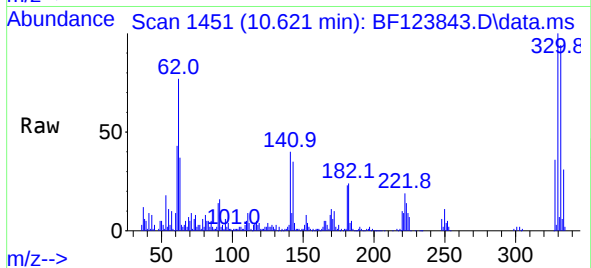
Tgt Ion:164 Resp: 469524
Ion Ratio Lower Upper
164 100
162 96.9 80.7 121.1
160 45.5 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 29.05 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

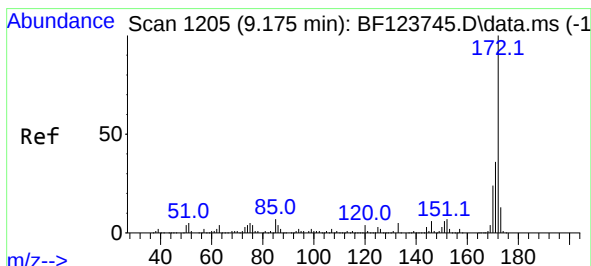
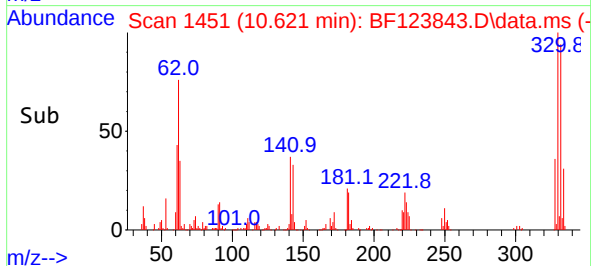
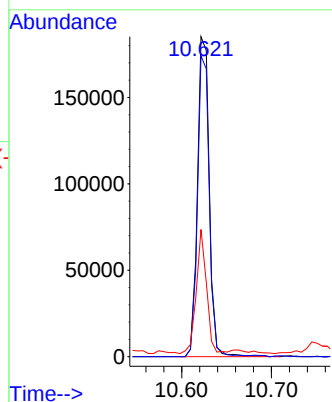
Instrument :
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Tgt Ion:330 Resp: 169778
Ion Ratio Lower Upper
330 100
332 93.4 77.1 115.7
141 33.7 27.9 41.9

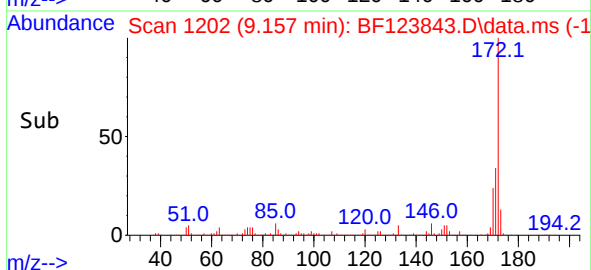
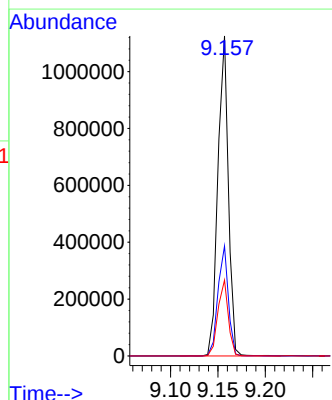
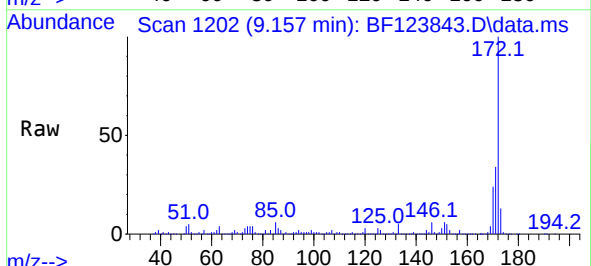
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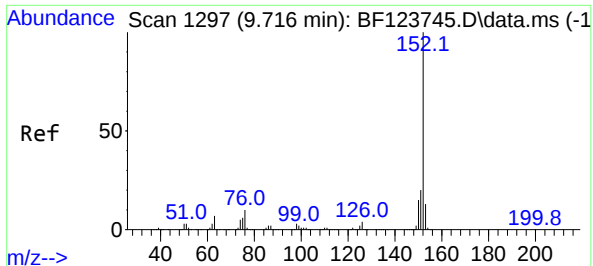
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#45
2-Fluorobiphenyl
Concen: 26.73 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:172 Resp: 861867
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.7 19.2 28.8





#49

Acenaphthylene

Concen: 2.98 ng

RT: 9.698 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BF123843.D

Acq: 5 May 2021 23:26

Tgt Ion:	152	Resp:	139607
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.0	24.0
153	14.6	10.4	15.6

Instrument :

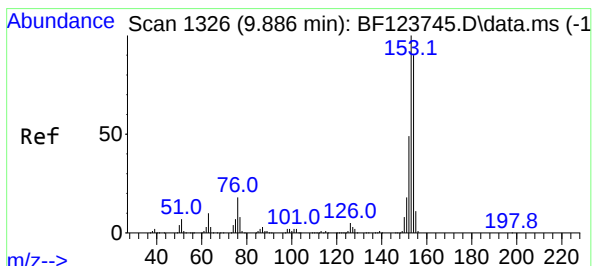
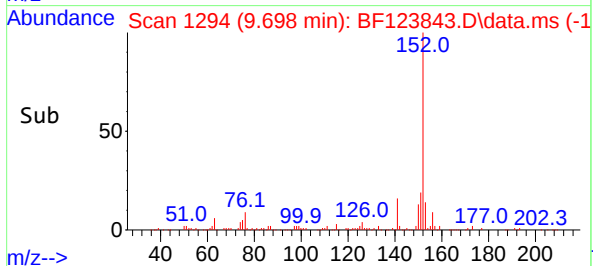
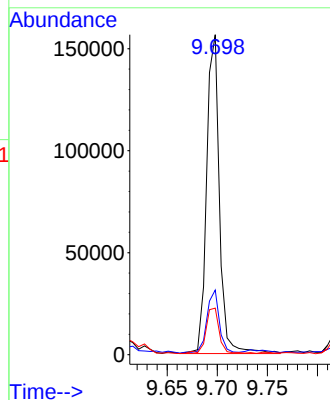
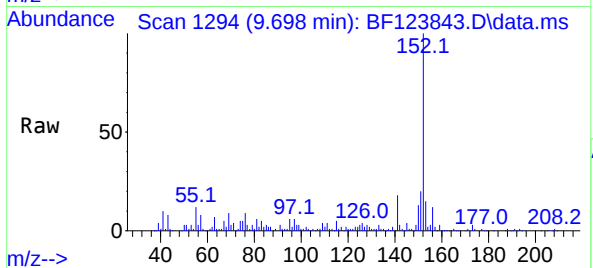
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ClientSampleId :

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#52

Acenaphthene

Concen: 3.11 ng

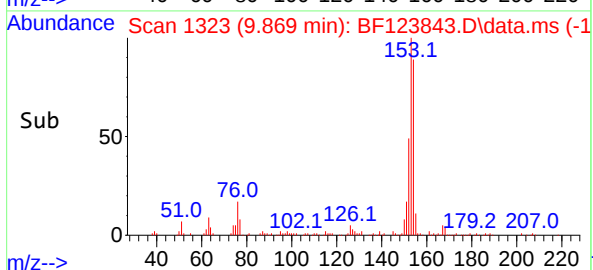
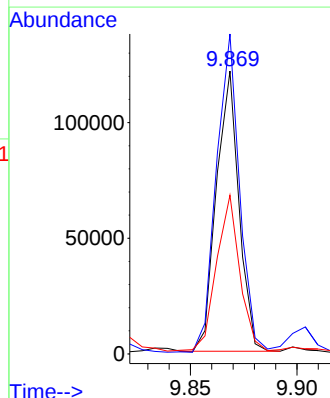
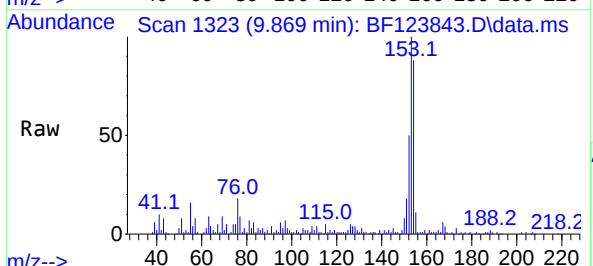
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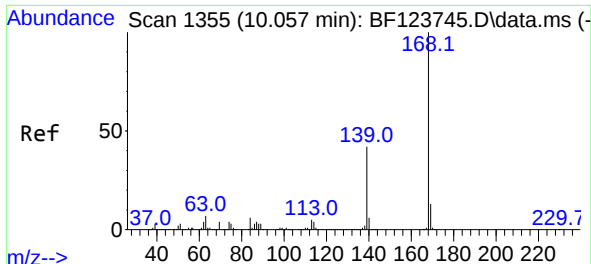
Delta R.T. -0.006 min

Lab File: BF123843.D

Acq: 5 May 2021 23:26

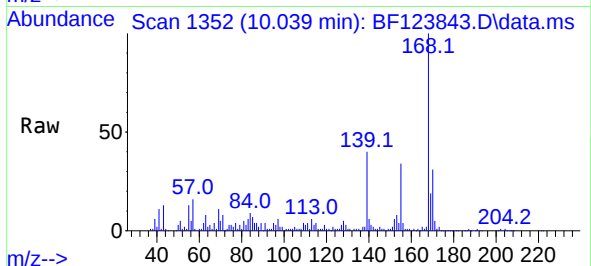
Tgt Ion:	154	Resp:	88713
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.1	132.1
152	56.1	43.4	65.0





#55
Dibenzenofuran
Concen: 2.89 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

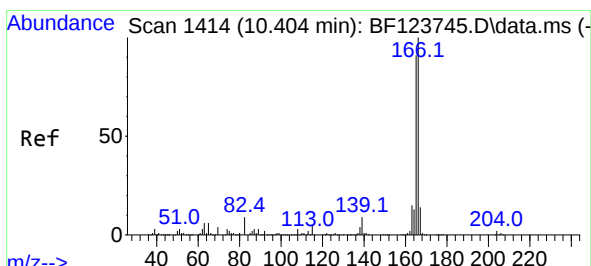
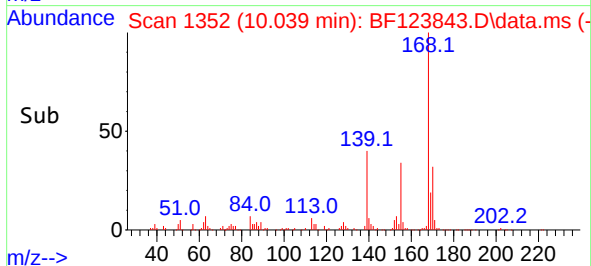
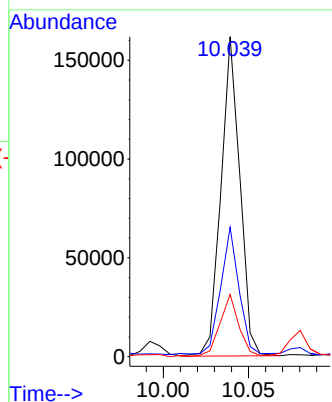
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Tgt Ion:168 Resp: 124796
Ion Ratio Lower Upper
168 100
139 40.5 33.2 49.8
169 19.4 10.8 16.2#

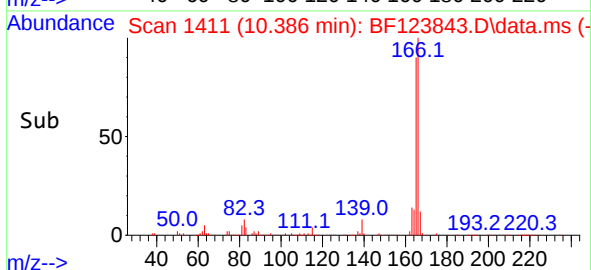
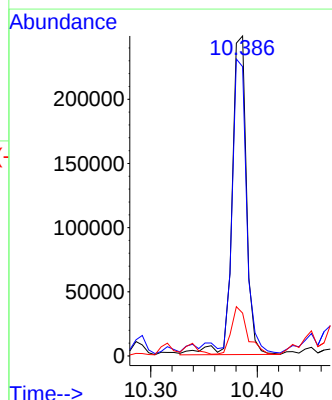
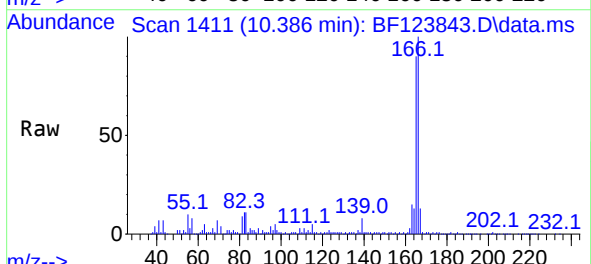
Manual Integrations
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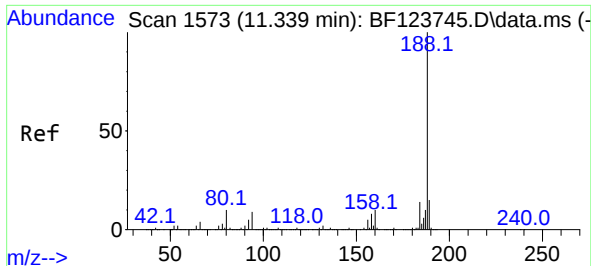
mohammad
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#58
Fluorene
Concen: 7.00 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:166 Resp: 232132
Ion Ratio Lower Upper
166 100
165 90.4 73.5 110.3
167 13.4 10.7 16.1





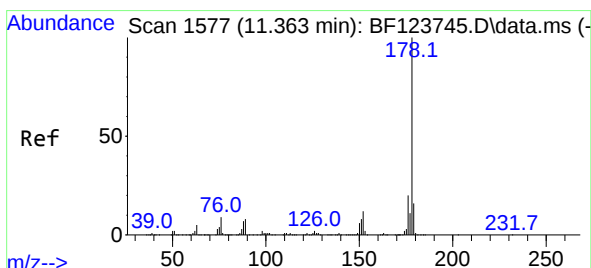
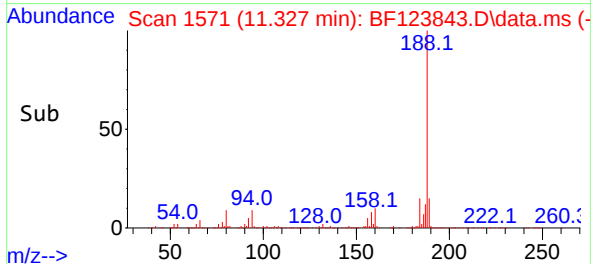
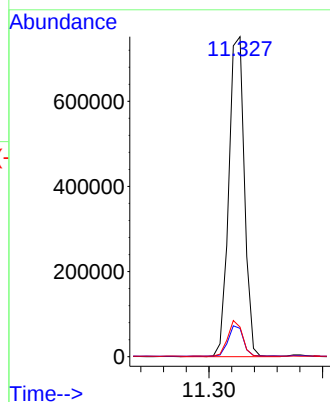
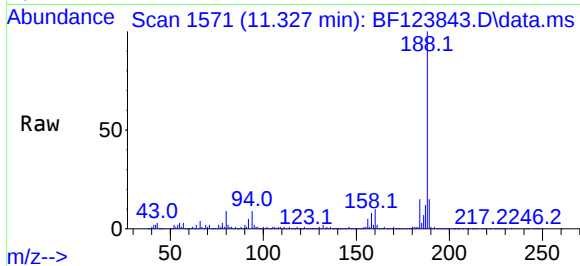
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Instrument :
BNA_F
ClientSampleId :
SU-01-050421

Tgt Ion:188 Resp: 719206
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.2 8.2 12.2

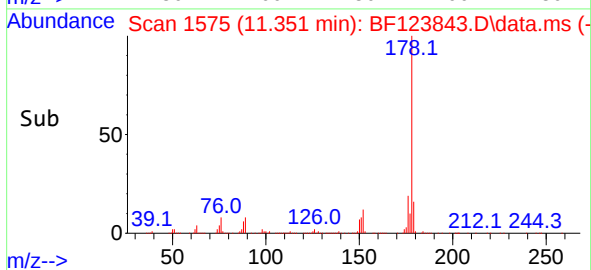
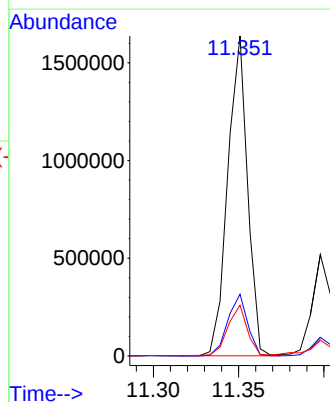
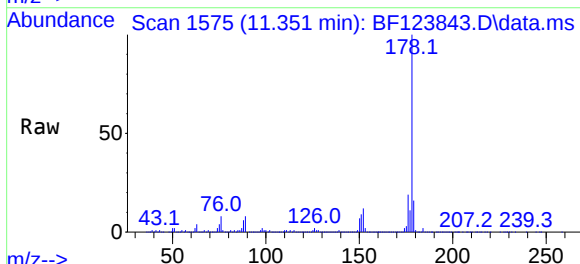
Manual Integrations
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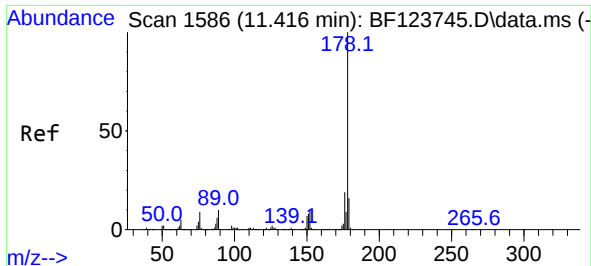
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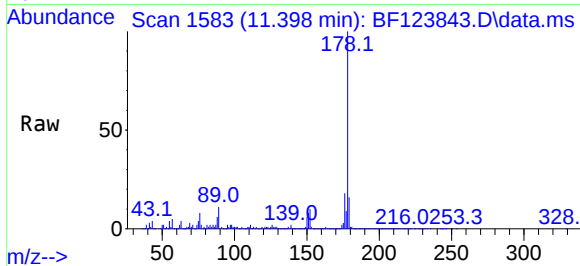
#71
Phenanthrene
Concen: 35.05 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:178 Resp: 1322430
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.9 12.5 18.7

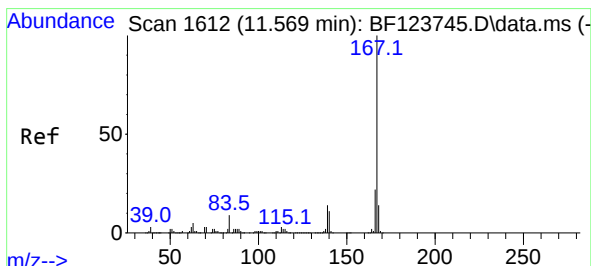
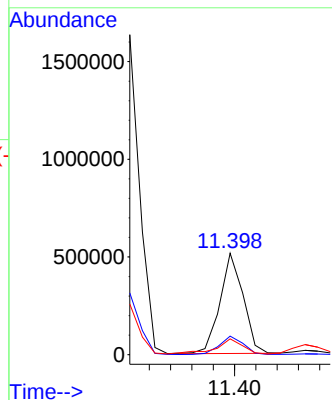
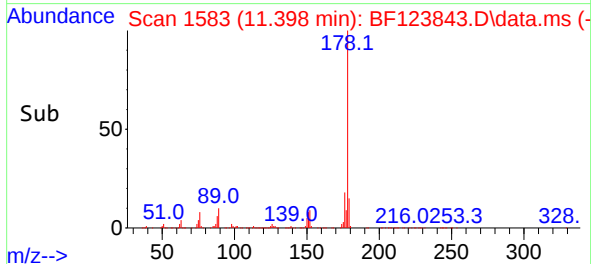




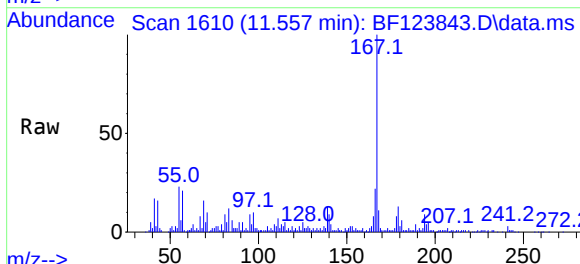
#72
 Anthracene
 Concen: 10.37 ng
 RT: 11.398 min Scan# 1583
 Delta R.T. -0.006 min
 Lab File: BF123843.D
 Acq: 5 May 2021 23:26



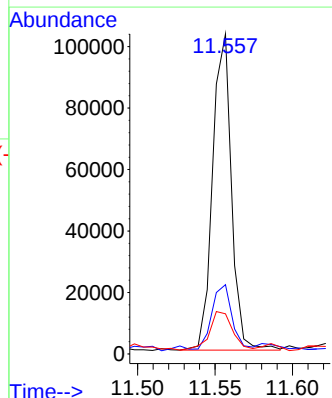
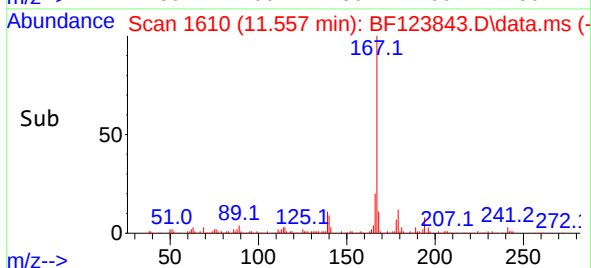
Tgt Ion:178 Resp: 388969
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.6 12.6 18.8



#73
 Carbazole
 Concen: 2.29 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF123843.D
 Acq: 5 May 2021 23:26



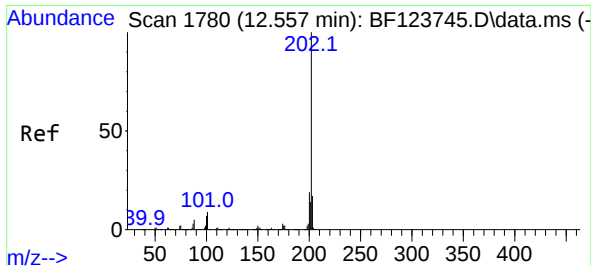
Tgt Ion:167 Resp: 86957
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 12.6 10.4 15.6



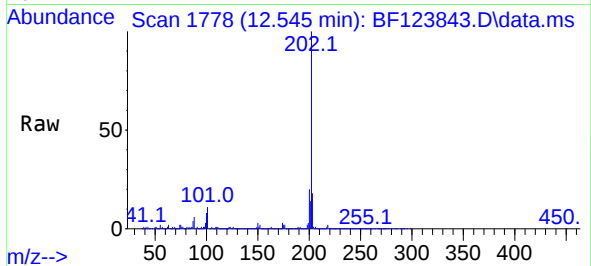
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-050421

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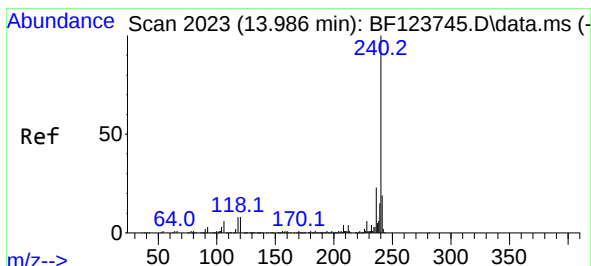
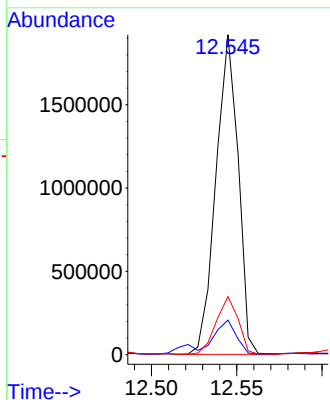
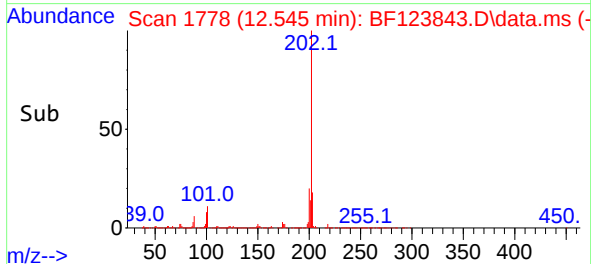
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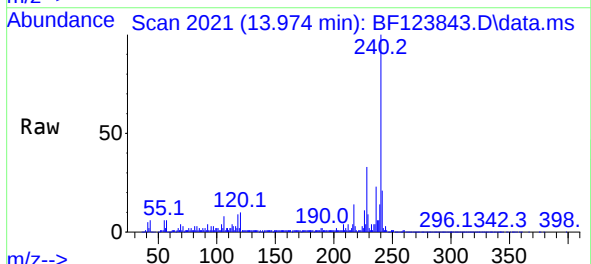
#75
Fluoranthene
Concen: 42.31 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26



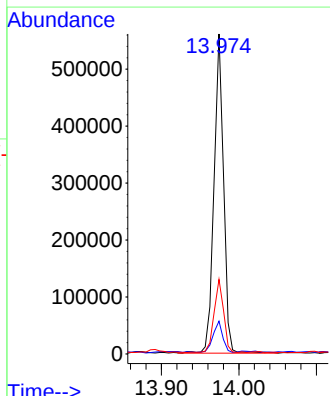
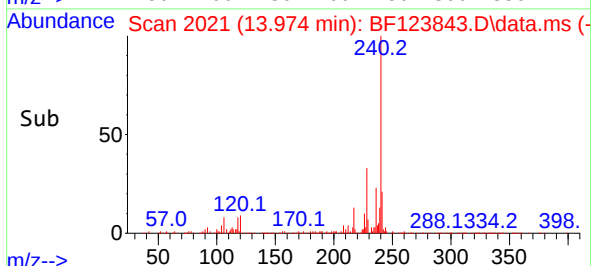
Tgt Ion:202 Resp: 1740698
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26



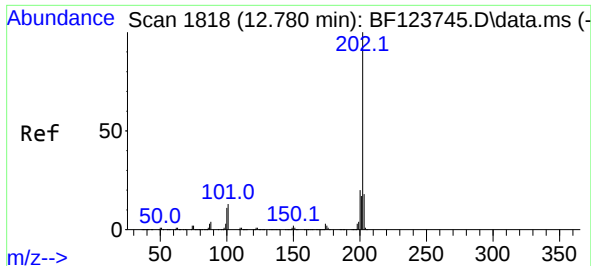
Tgt Ion:240 Resp: 481348
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 23.3 19.0 28.4



Instrument :
BNA_F
ClientSampleId :
SU-01-050421

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#78
Pyrene
Concen: 47.01 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

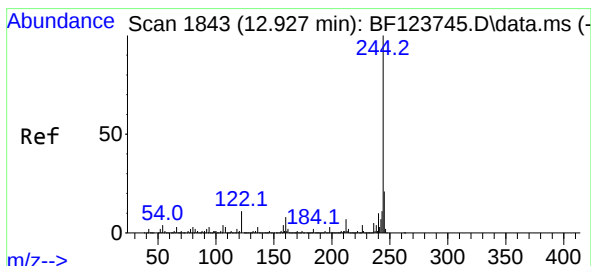
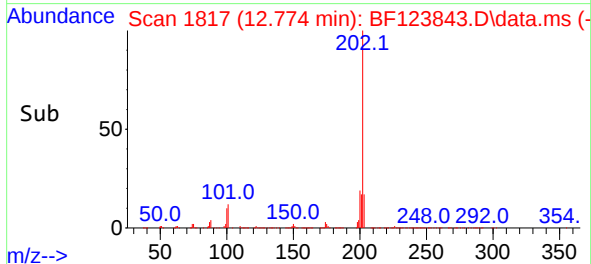
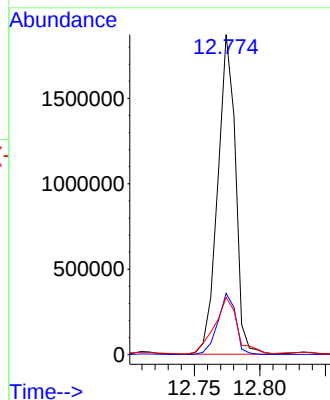
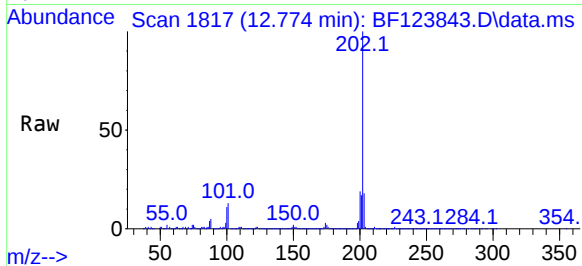
Tgt Ion:202 Resp: 1756365

Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.1	24.1
203	17.9	14.8	22.2

Instrument :
BNA_F
ClientSampleId :
SU-01-050421

Manual Integrations
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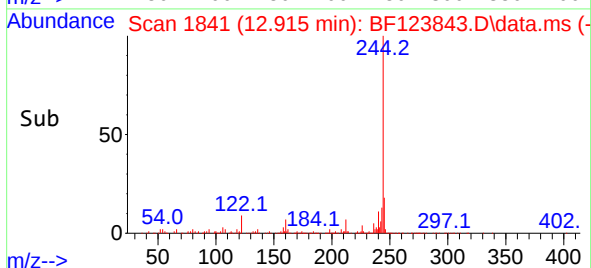
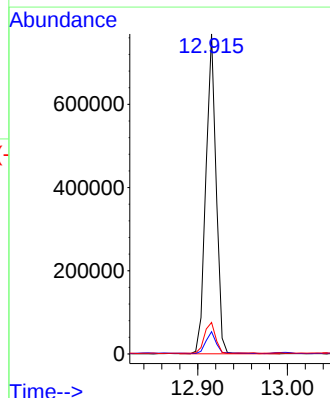
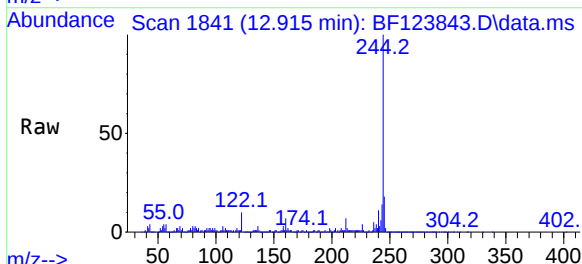
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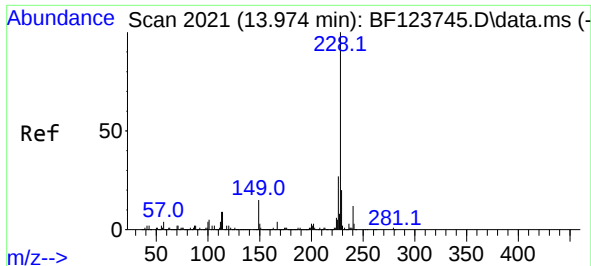


#79
Terphenyl-d14
Concen: 24.34 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:244 Resp: 608435

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.9	9.7	14.5





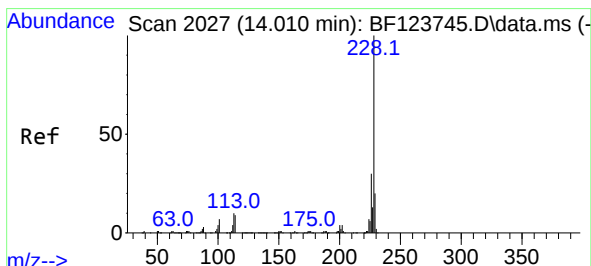
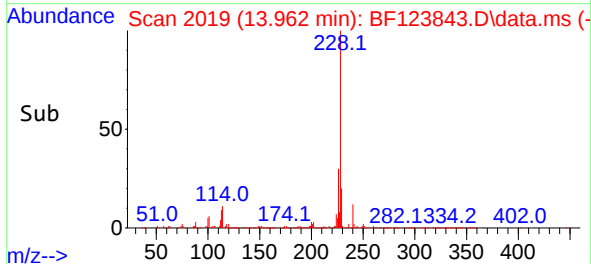
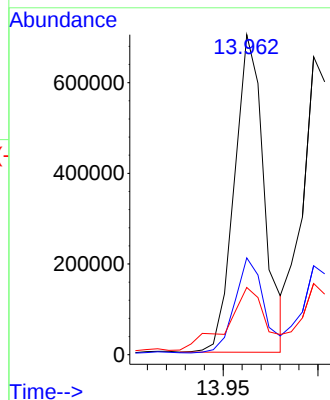
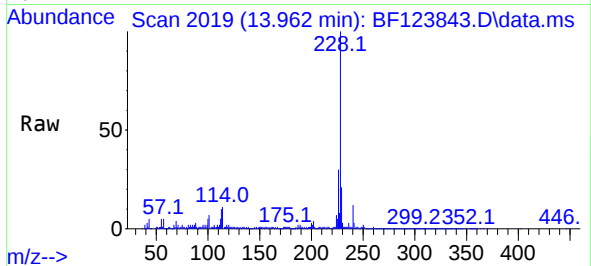
#81
Benzo(a)anthracene
Concen: 26.16 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:228 Resp: 763185
Ion Ratio Lower Upper
228 100
226 30.2 22.4 33.6
229 21.0 16.0 24.0

Instrument :
BNA_F
ClientSampled :
SU-01-050421

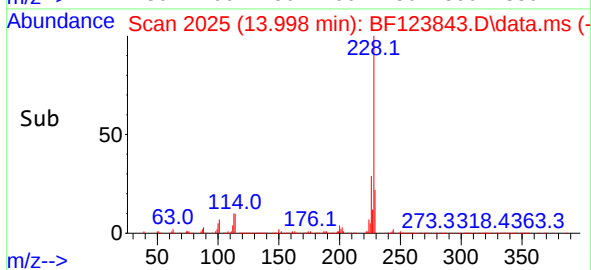
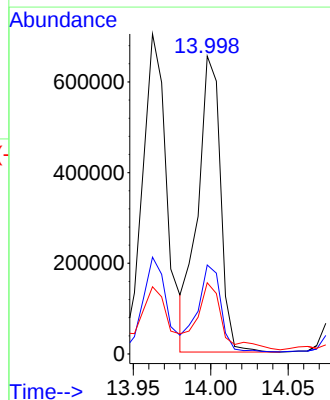
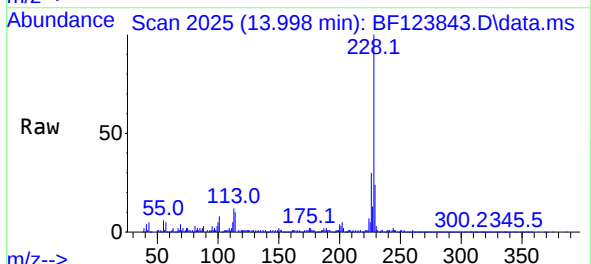
Manual Integrations
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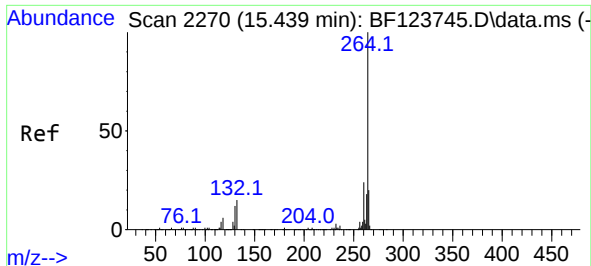
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#83
Chrysene
Concen: 22.80 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

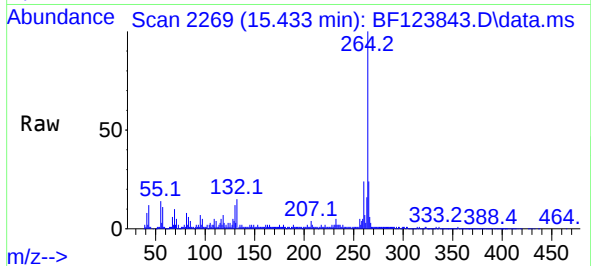
Tgt Ion:228 Resp: 668974
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 23.9 16.2 24.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

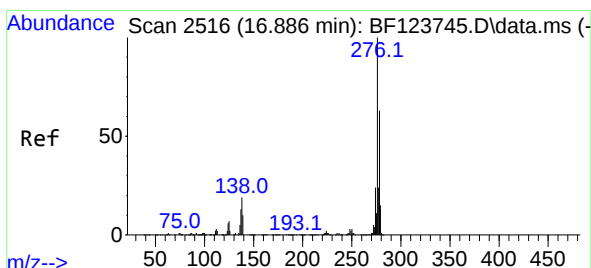
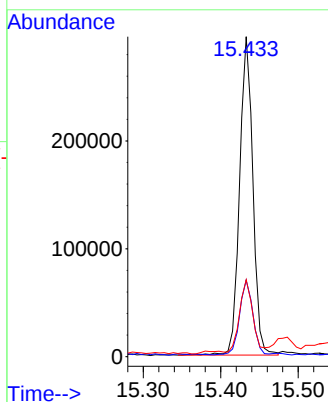
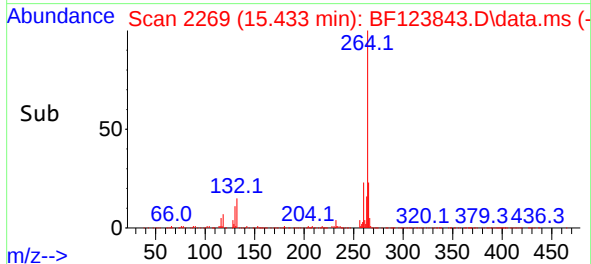
Instrument :
BNA_F
ClientSampleId :
SU-01-050421



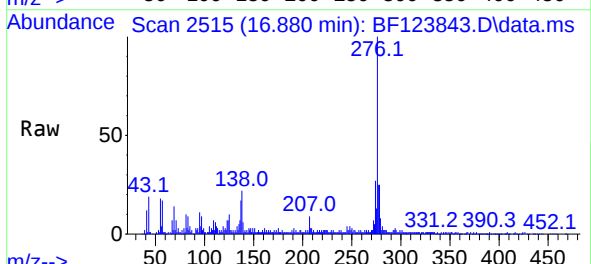
Tgt Ion:264 Resp: 352453
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 24.1 17.8 26.8

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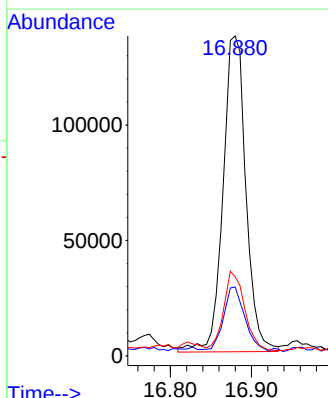
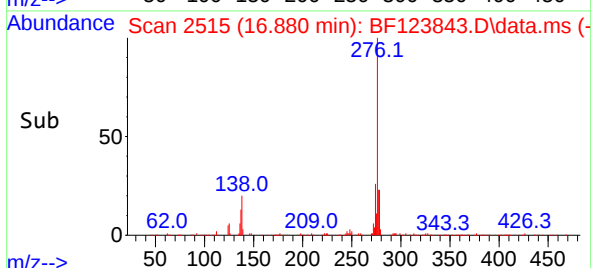
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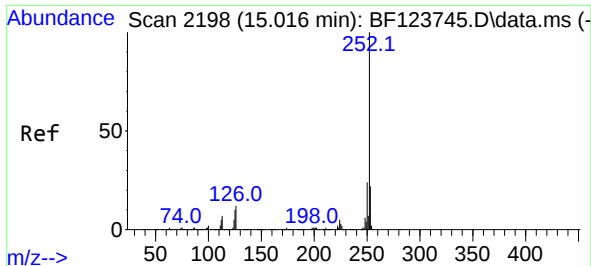


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.09 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26



Tgt Ion:276 Resp: 268726
Ion Ratio Lower Upper
276 100
138 18.8 16.2 24.2
277 22.9 20.1 30.1





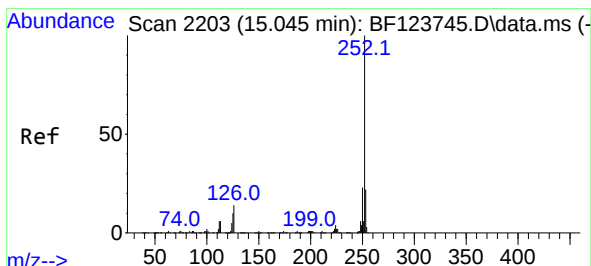
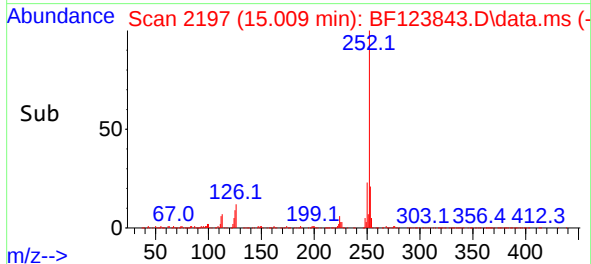
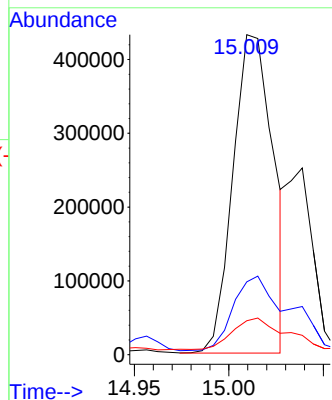
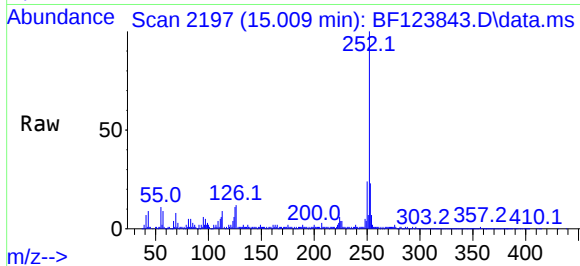
#88
Benzo(b)fluoranthene
Concen: 26.98 ng m
RT: 15.009 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:252 Resp: 640762
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 10.6 6.2 9.4#

Instrument :
BNA_F
ClientSampled :
SU-01-050421

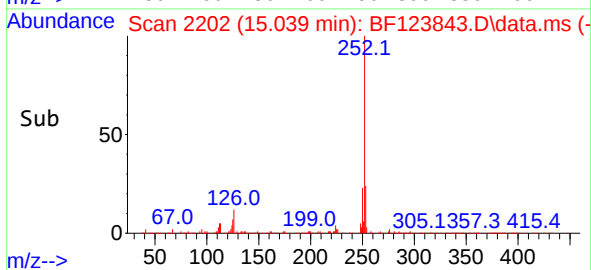
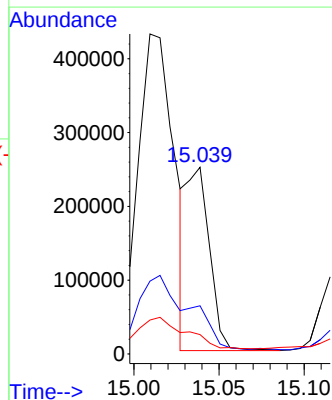
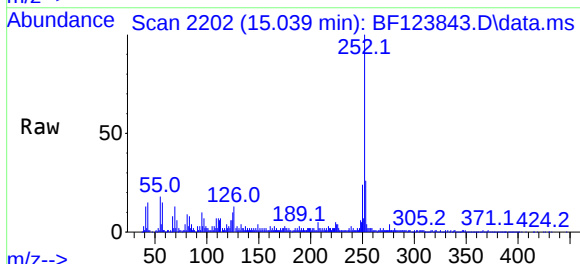
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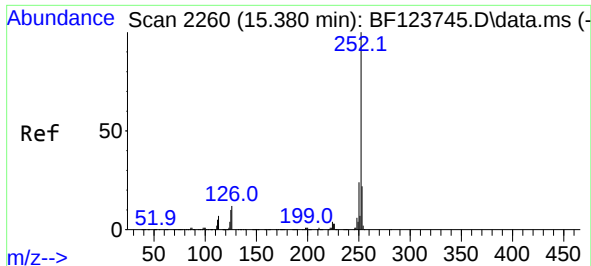
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#89
Benzo(k)fluoranthene
Concen: 10.20 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:252 Resp: 231213
Ion Ratio Lower Upper
252 100
253 25.8 17.9 26.9
125 10.4 7.0 10.6





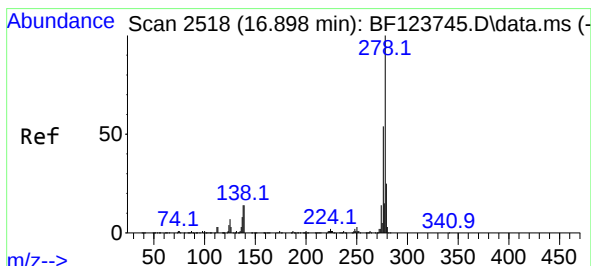
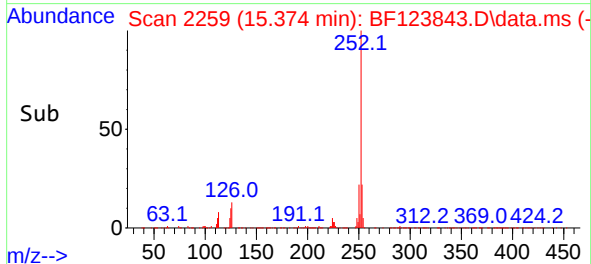
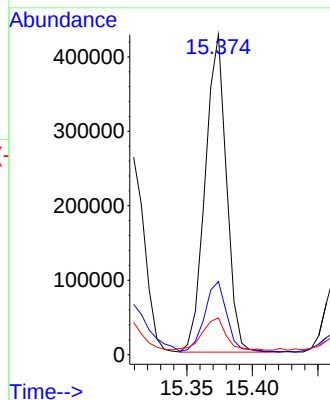
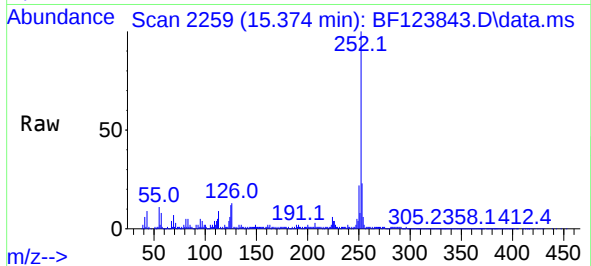
#90
Benzo(a)pyrene
Concen: 23.77 ng
RT: 15.374 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:252 Resp: 482695
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 11.5 8.0 12.0

Instrument :
BNA_F
ClientSampleId :
SU-01-050421

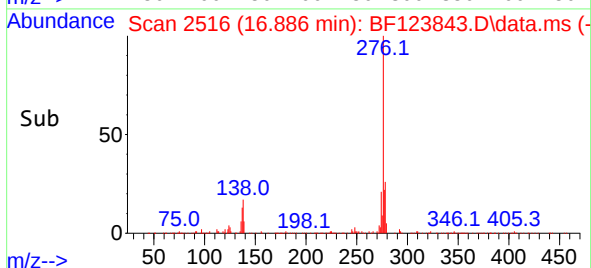
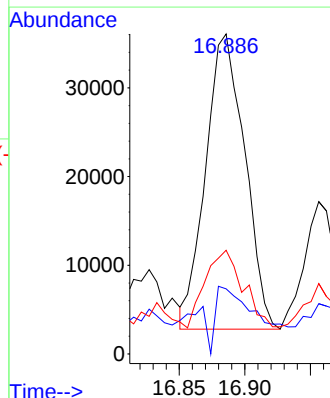
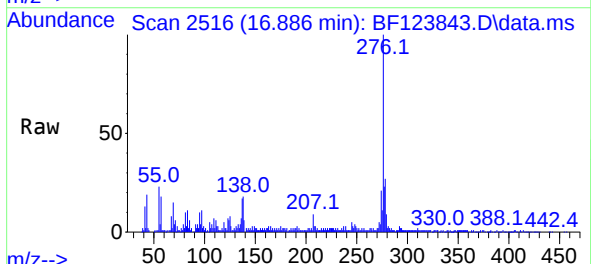
Manual Integrations
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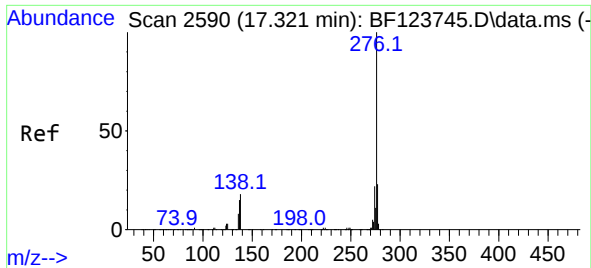
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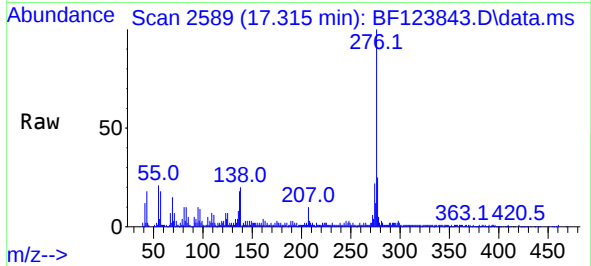
#91
Dibenzo(a,h)anthracene
Concen: 3.98 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26

Tgt Ion:278 Resp: 69062
Ion Ratio Lower Upper
278 100
139 20.3 10.2 15.2#
279 32.4 19.4 29.0#

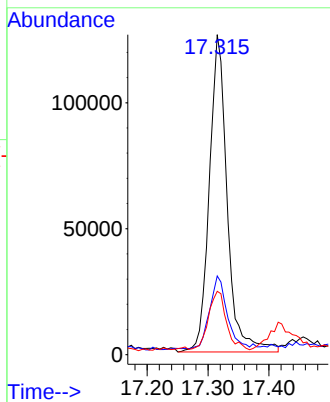
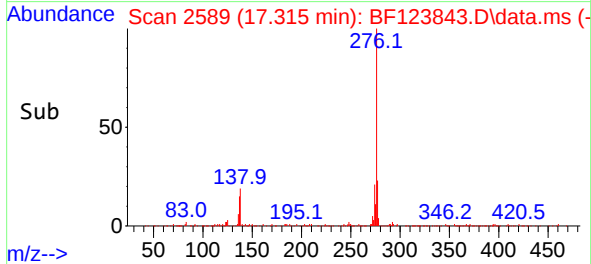




#92
Benzo(g,h,i)perylene
Concen: 14.83 ng
RT: 17.315 min Scan# 2589
Delta R.T. -0.000 min
Lab File: BF123843.D
Acq: 5 May 2021 23:26



Tgt Ion: 276 Resp: 257441
Ion Ratio Lower Upper
276 100
277 24.6 18.2 27.2
138 19.8 13.8 20.6



Instrument :
BNA_F
ClientSampleId :
SU-01-050421

Manual Integrations
APPROVED

mohammad
5/6/2021 4:51:24 PM