

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132008.D
 Acq On : 10 Jan 2023 21:33
 Operator : CG\JU
 Sample : 01080-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1-(10-12)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/11/2023
 Supervised By : Jagrut Upadhyay 01/11/2023

Quant Time: Jan 11 00:40:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	50408	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	157806	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	76680	20.000	ng	0.01
64) Phenanthrene-d10	11.351	188	133552	20.000	ng	# 0.02
76) Chrysene-d12	14.010	240	120128	20.000	ng	# 0.02
86) Perylene-d12	15.474	264	101951	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	377703	123.467	ng	0.01
7) Phenol-d6	6.440	99	450402	111.044	ng	0.00
23) Nitrobenzene-d5	7.363	82	321692	84.606	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	91042	103.263	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	389649	68.598	ng	0.00
79) Terphenyl-d14	12.951	244	453113	54.062	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.804	142	351540	58.692	ng	99
38) 1-Methylnaphthalene	8.904	142	392288	70.693	ng	98
52) Acenaphthene	9.881	154	19321	4.515	ng	# 63
58) Fluorene	10.404	166	40735	7.560	ng	# 75
71) Phenanthrene	11.380	178	202432	29.076	ng	# 90
72) Anthracene	11.428	178	34814	4.857	ng	# 47
75) Fluoranthene	12.580	202	134915	17.231	ng	87
78) Pyrene	12.816	202	225560	20.587	ng	# 94
81) Benzo(a)anthracene	13.998	228	103472	11.839	ng	# 89
83) Chrysene	14.033	228	103154	12.629	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.974	149	404788	67.561	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	23035	3.684	ng	96
88) Benzo(b)fluoranthene	15.045	252	66814m	9.555	ng	
89) Benzo(k)fluoranthene	15.068	252	19581m	2.806	ng	
90) Benzo(a)pyrene	15.410	252	53765	8.534	ng	# 84
92) Benzo(g,h,i)perylene	17.368	276	23910	7.472	ng	# 91

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

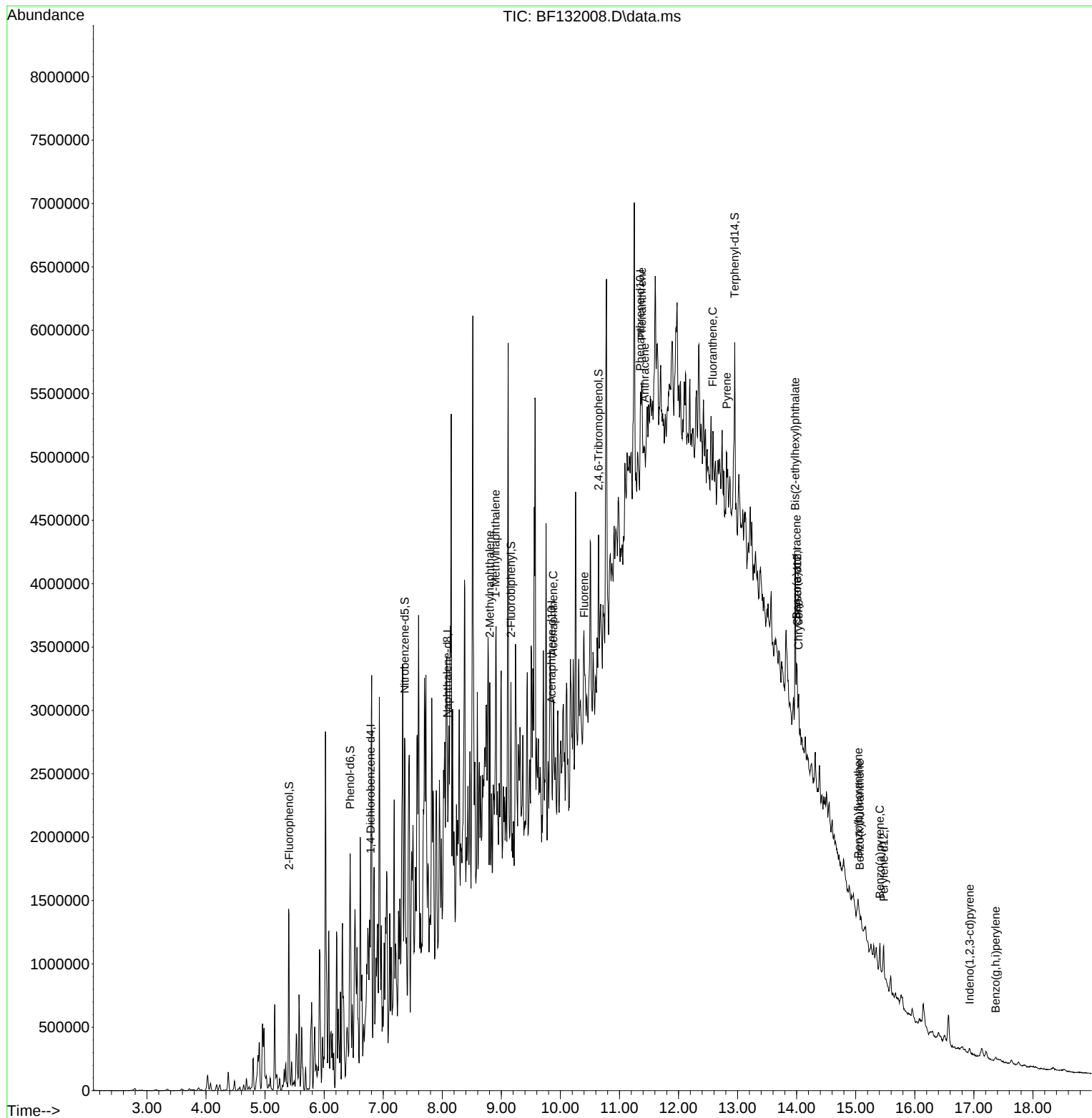
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132008.D
Acq On : 10 Jan 2023 21:33
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ALS Vial : 14 Sample Multiplier: 1

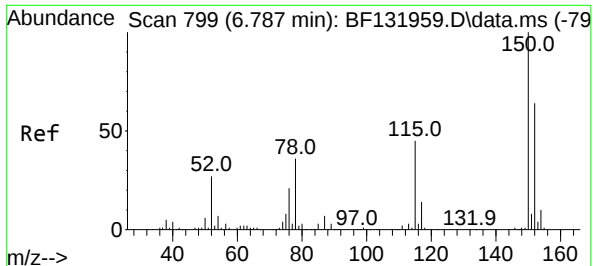
Instrument :
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Quant Time: Jan 11 00:40:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
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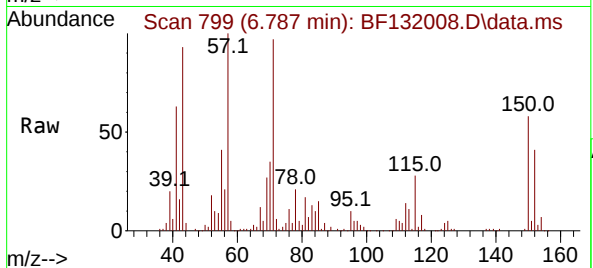
Reviewed By : Christian Giraldo 01/11/2023
Supervised By : Jagrut Upadhyay 01/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

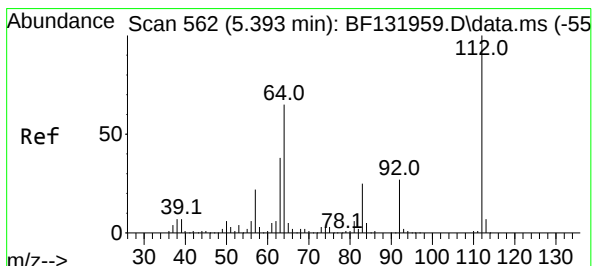
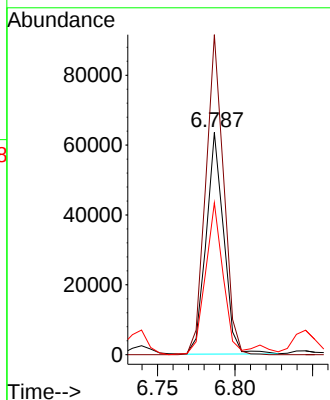
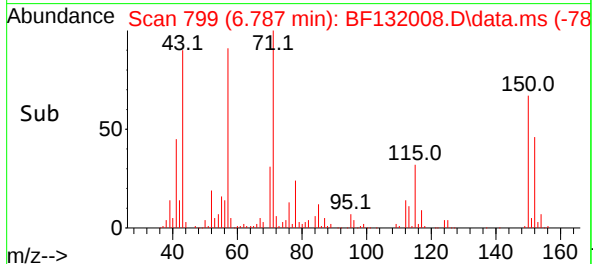
Instrument :
BNA_F
ClientSampleId :
B-1-(10-12)



Tgt Ion:152 Resp: 50408
Ion Ratio Lower Upper
152 100
150 143.9 124.6 186.8
115 68.3 55.6 83.4

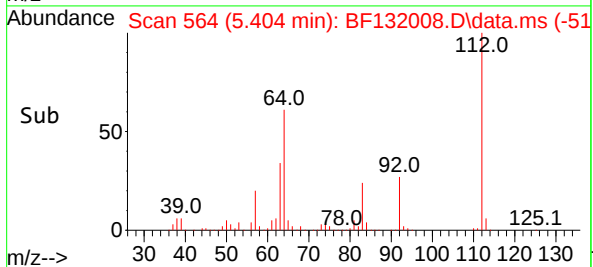
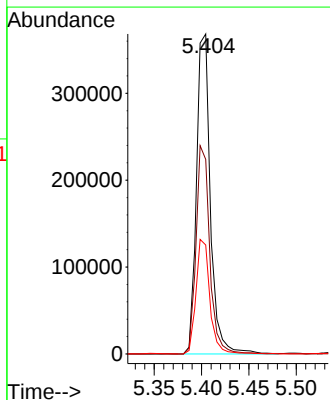
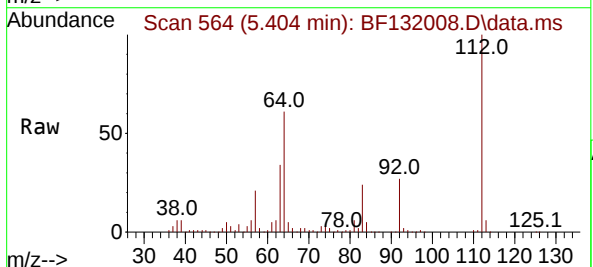
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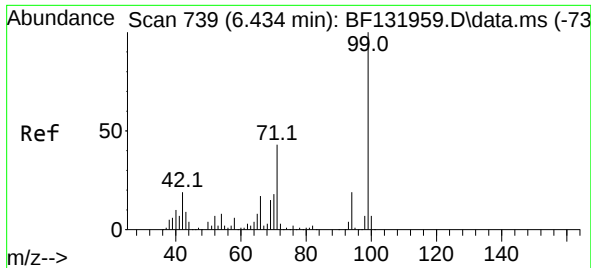
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#5
2-Fluorophenol
Concen: 123.467 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

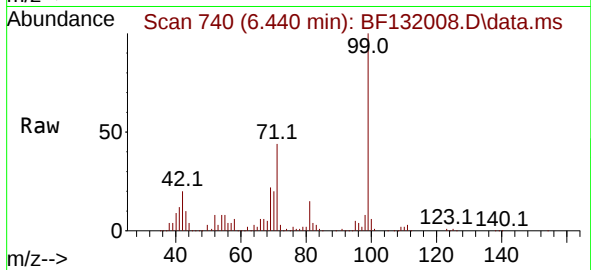
Tgt Ion:112 Resp: 377703
Ion Ratio Lower Upper
112 100
64 60.8 51.9 77.9
63 34.0 30.2 45.2





#7
Phenol-d6
Concen: 111.044 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

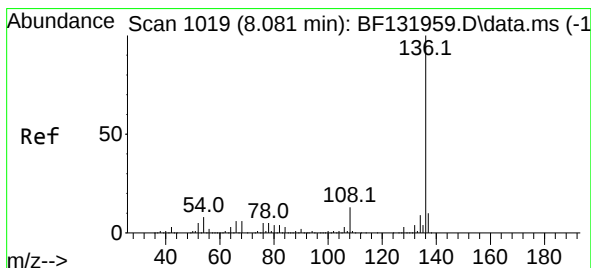
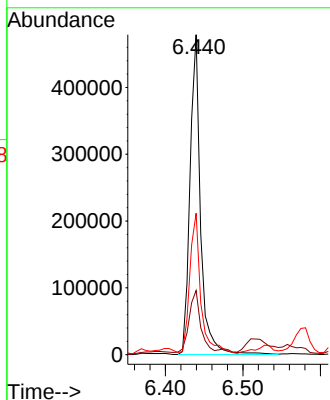
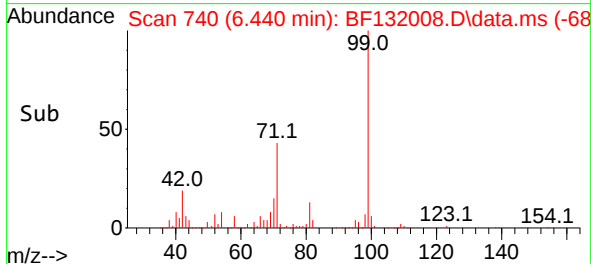
Instrument :
BNA_F
ClientSampleId :
B-1-(10-12)



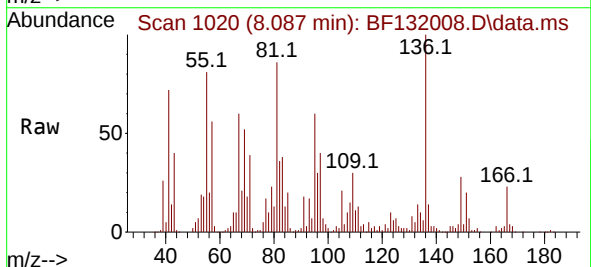
Tgt Ion: 99 Resp: 45040
Ion Ratio Lower Upper
99 100
42 20.0 15.4 23.2
71 44.2 34.6 51.8

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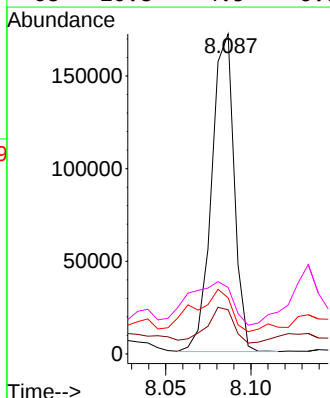
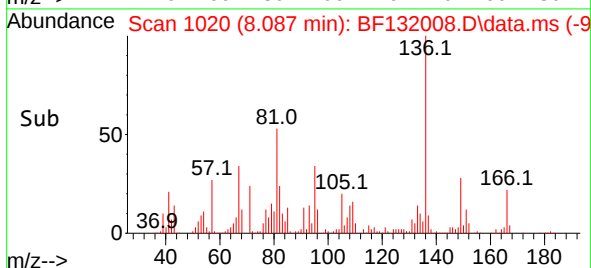
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023

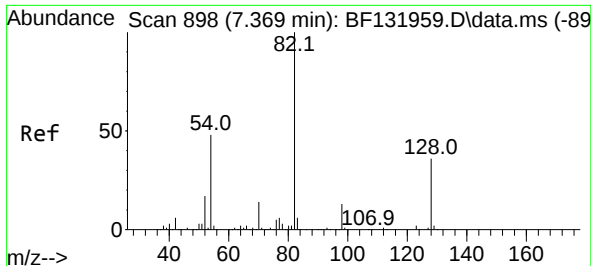


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33



Tgt Ion:136 Resp: 157806
Ion Ratio Lower Upper
136 100
137 13.8 8.2 12.2#
54 17.6 6.6 9.8#
68 20.8 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 84.606 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Instrument :

BNA_F

ClientSampleId :

B-1-(10-12)

Tgt Ion: 82 Resp: 321692

Ion Ratio Lower Upper

82 100

128 36.9 28.7 43.1

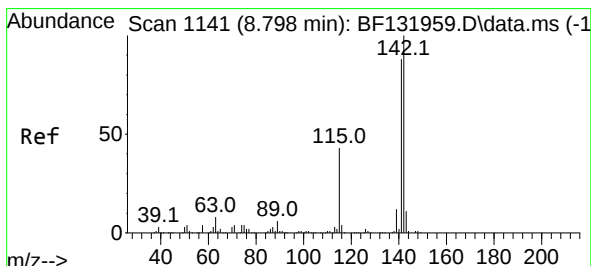
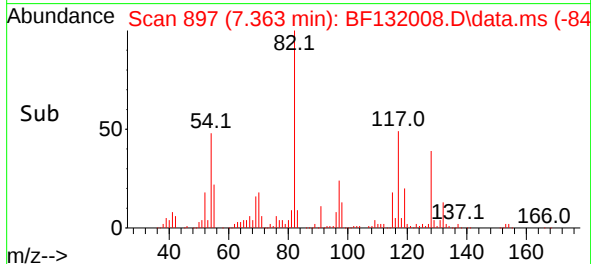
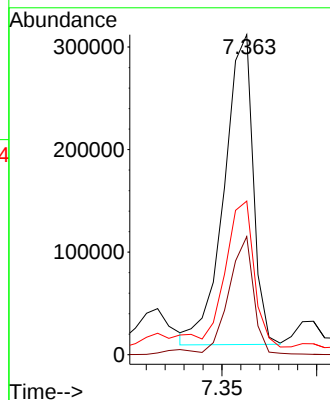
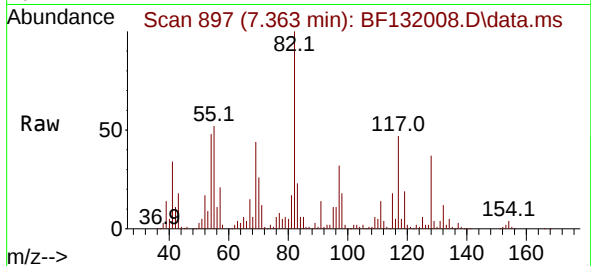
54 48.0 38.1 57.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/11/2023



#37

2-Methylnaphthalene

Concen: 58.692 ng

RT: 8.804 min Scan# 1142

Delta R.T. 0.006 min

Lab File: BF132008.D

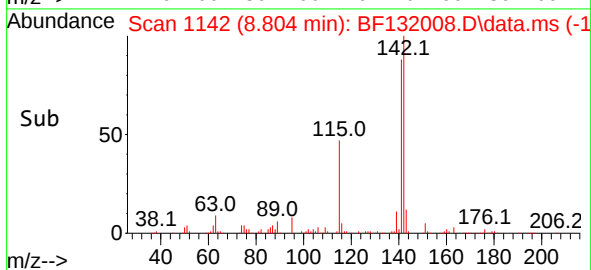
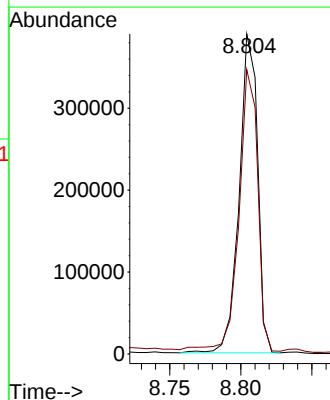
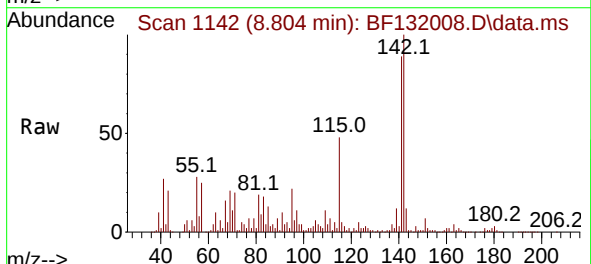
Acq: 10 Jan 2023 21:33

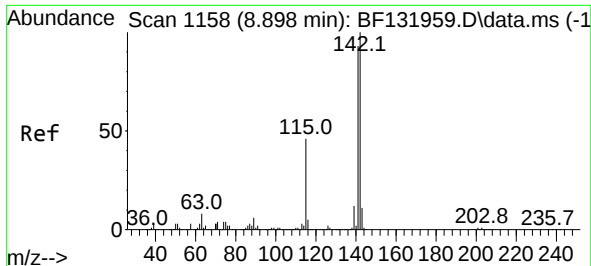
Tgt Ion:142 Resp: 351540

Ion Ratio Lower Upper

142 100

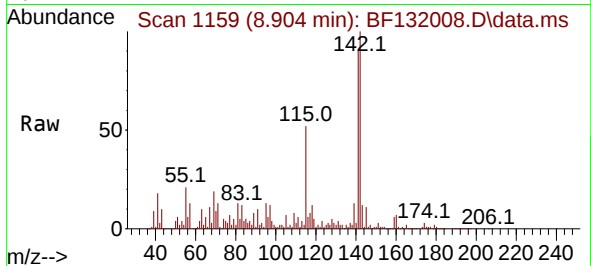
141 88.8 70.6 106.0





#38
1-Methylnaphthalene
Concen: 70.693 ng
RT: 8.904 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

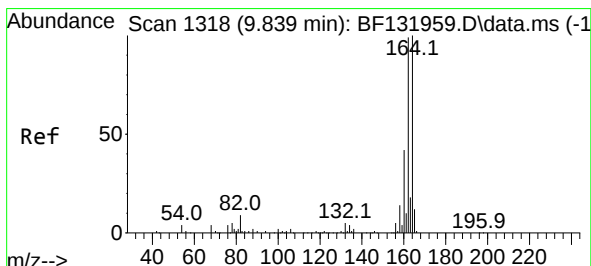
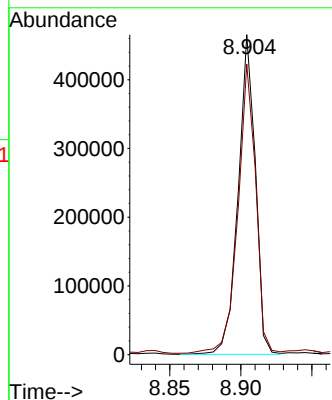
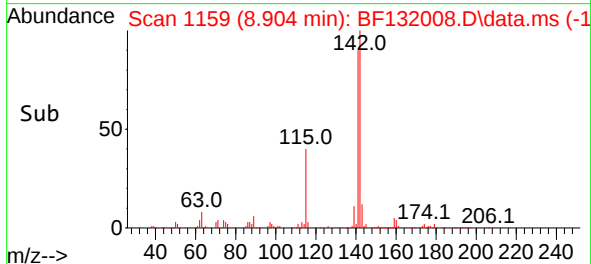
Instrument :
BNA_F
ClientSampleId :
B-1-(10-12)



Tgt Ion:142 Resp: 392288
Ion Ratio Lower Upper
142 100
141 90.8 74.3 111.5

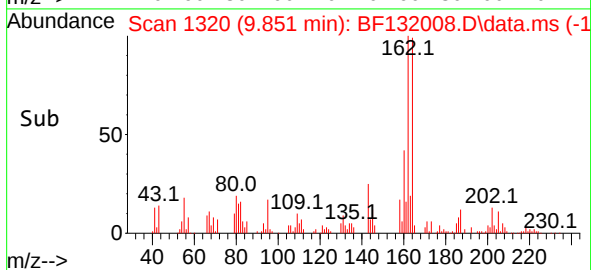
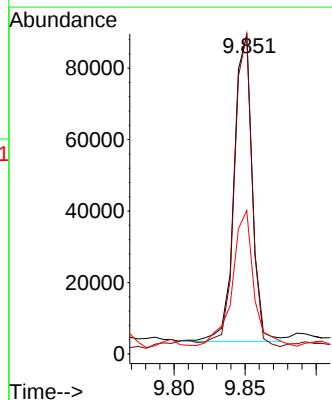
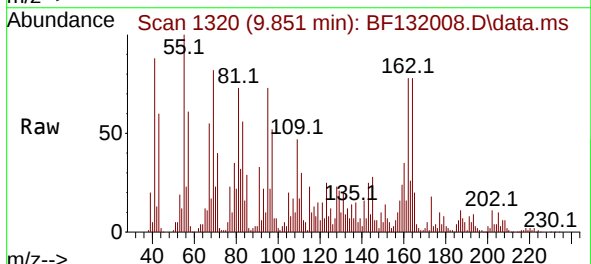
Manual Integrations
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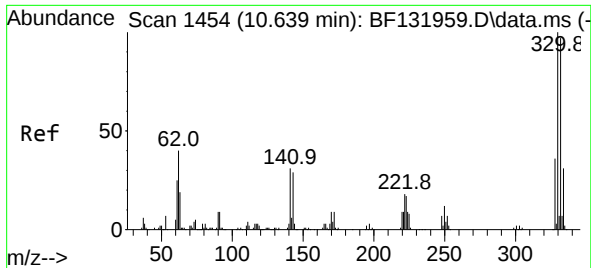
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.012 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

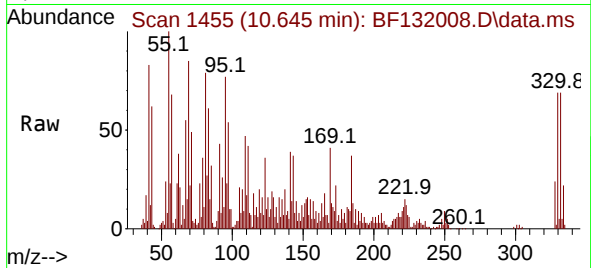
Tgt Ion:164 Resp: 76680
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 45.0 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 103.263 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.006 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

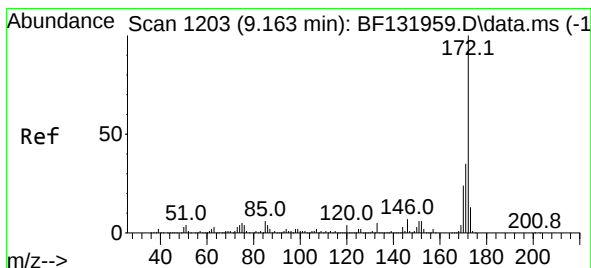
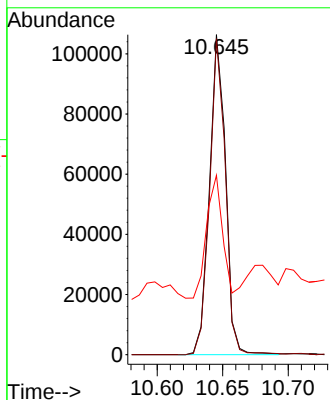
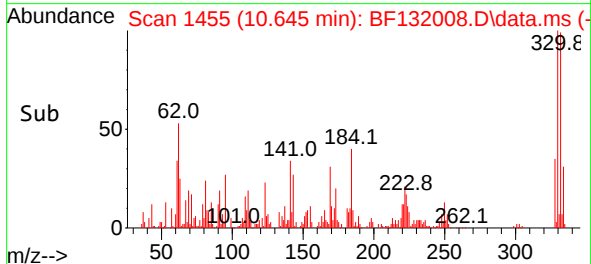
Instrument :
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B-1-(10-12)



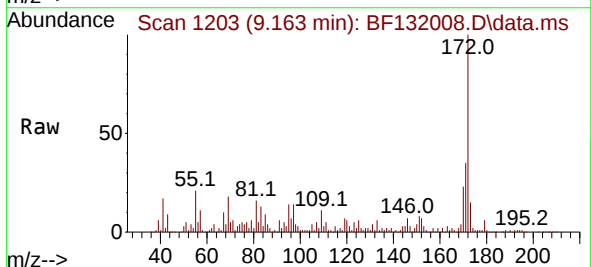
Tgt Ion: 330 Resp: 9104
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 39.2 31.3 46.9

Manual Integrations
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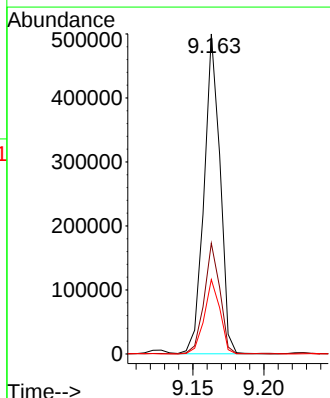
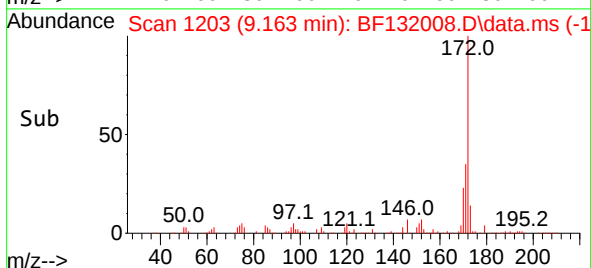
Reviewed By : Christian Giraldo 01/11/2023
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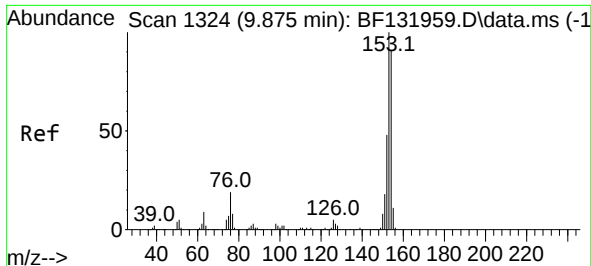


#45
2-Fluorobiphenyl
Concen: 68.598 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33



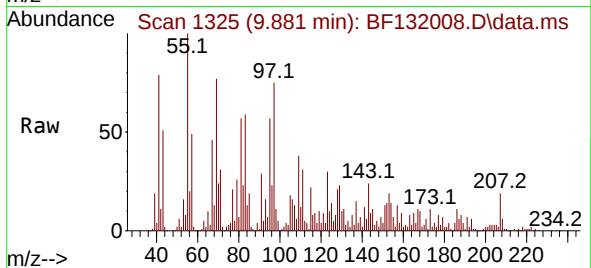
Tgt Ion: 172 Resp: 389649
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.2 18.9 28.3





#52
Acenaphthene
Concen: 4.515 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

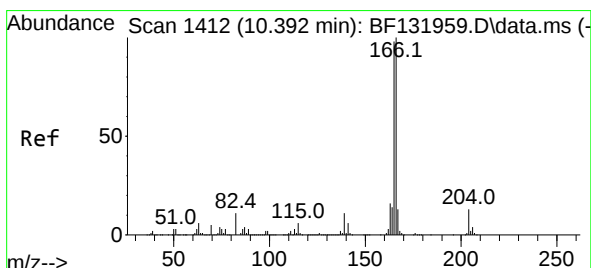
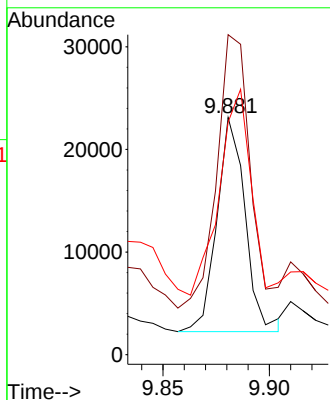
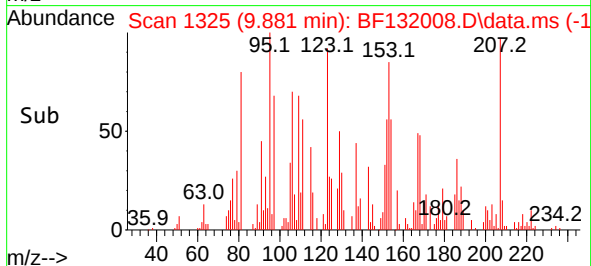
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B-1-(10-12)



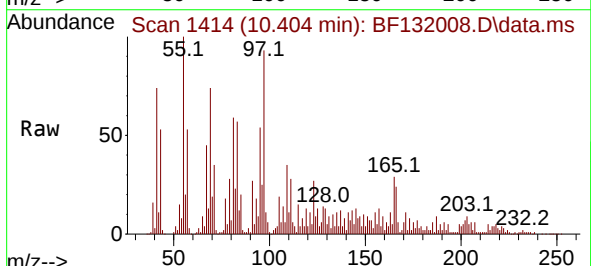
Tgt Ion:154 Resp: 1932
Ion Ratio Lower Upper
154 100
153 135.0 87.7 131.5
152 98.0 42.2 63.2

Manual Integrations
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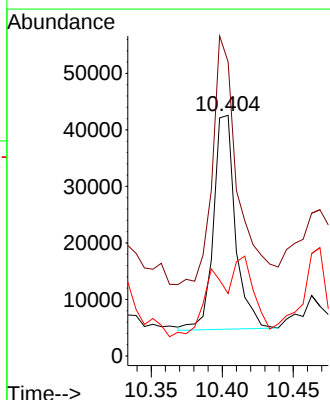
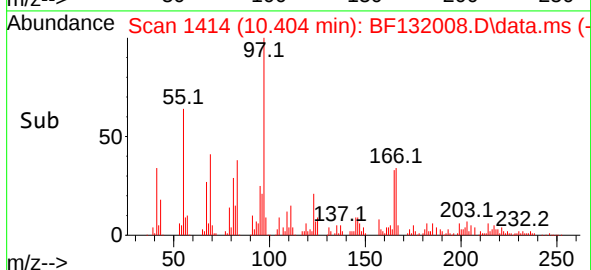
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023

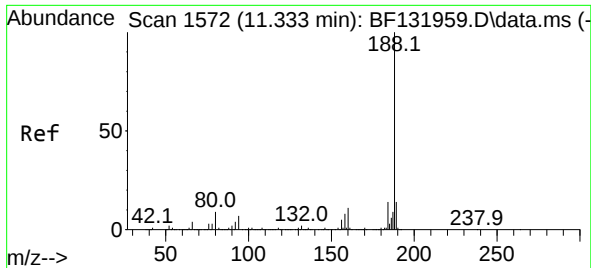


#58
Fluorene
Concen: 7.560 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.012 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33



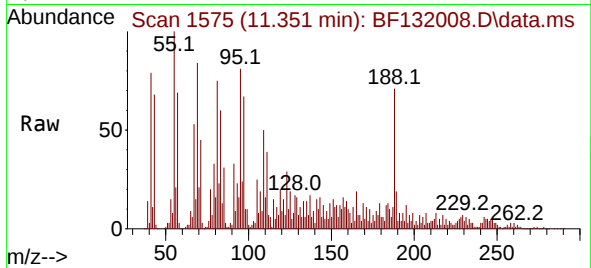
Tgt Ion:166 Resp: 40735
Ion Ratio Lower Upper
166 100
165 122.2 78.3 117.5#
167 25.9 10.7 16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33

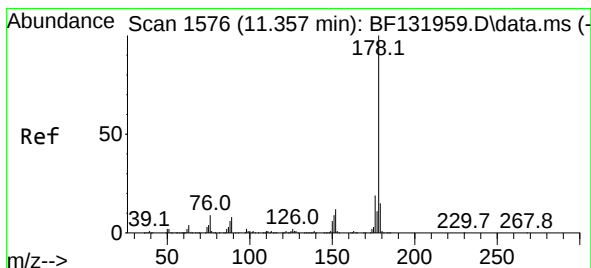
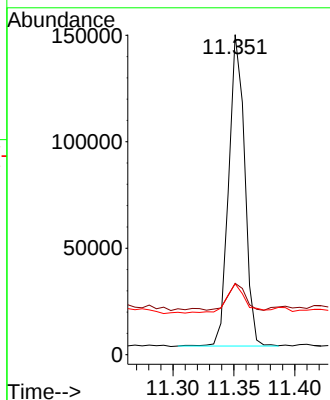
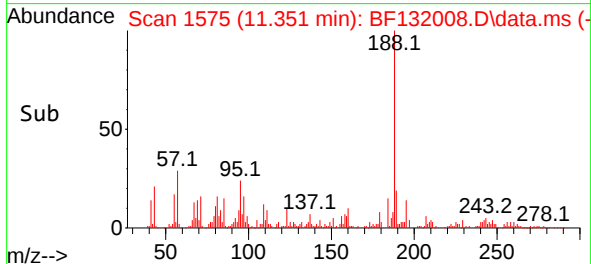
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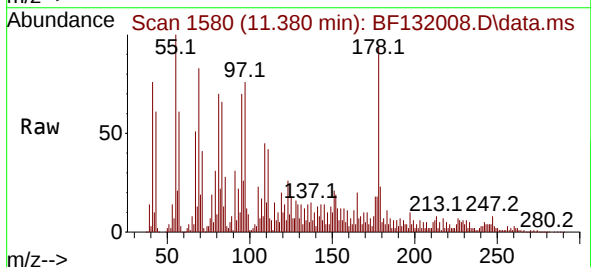
Tgt Ion:188 Resp: 133552
Ion Ratio Lower Upper
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94 22.3 5.8 8.6
80 22.2 7.4 11.0

Manual Integrations
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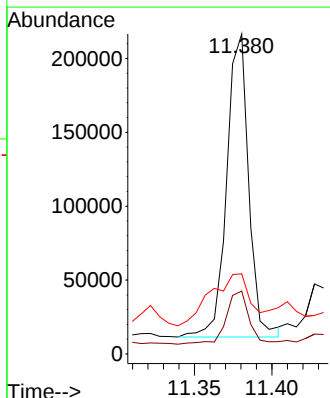
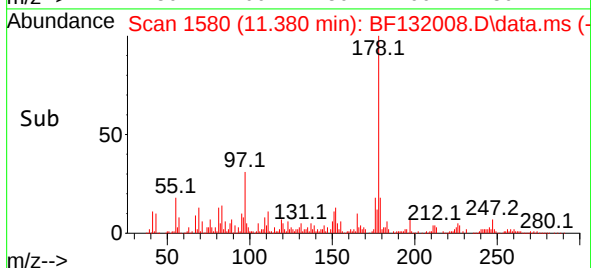
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023

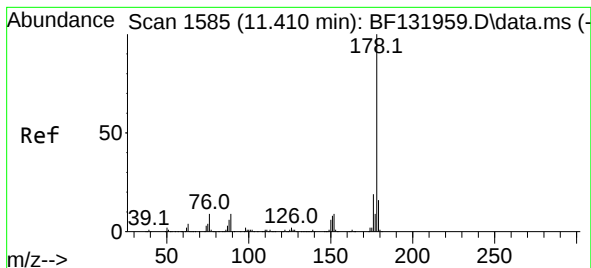


#71
Phenanthrene
Concen: 29.076 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.023 min
Lab File: BF132008.D
Acq: 10 Jan 2023 21:33



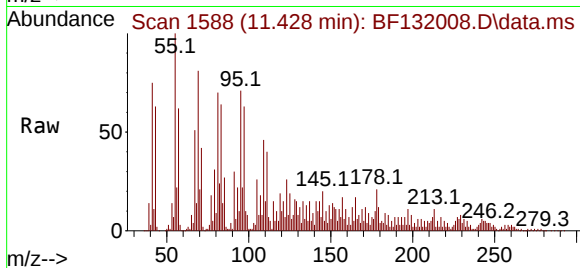
Tgt Ion:178 Resp: 202432
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 25.0 12.4 18.6





#72
 Anthracene
 Concen: 4.857 ng
 RT: 11.428 min Scan# 1178
 Delta R.T. 0.018 min
 Lab File: BF132008.D
 Acq: 10 Jan 2023 21:33

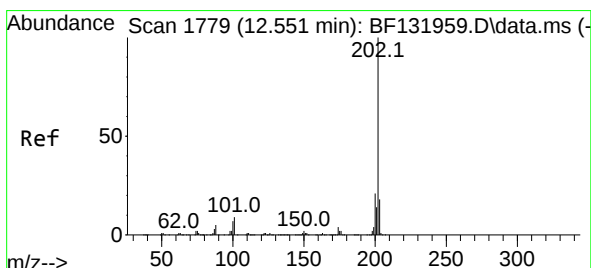
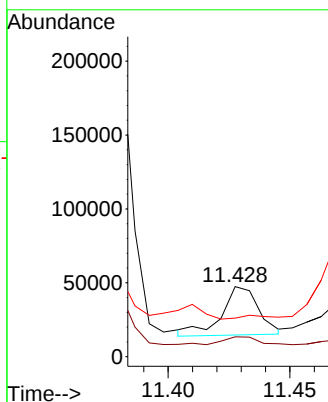
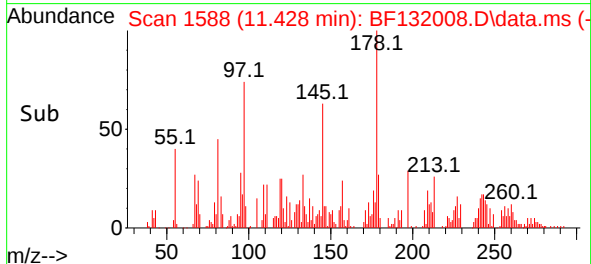
Instrument :
 BNA_F
 ClientSampleId :
 B-1-(10-12)



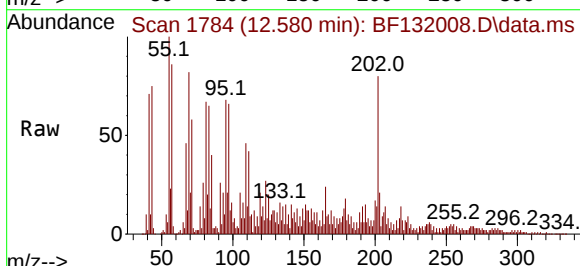
Tgt Ion:178 Resp: 34814
 Ion Ratio Lower Upper
 178 100
 176 28.3 15.3 22.9
 179 55.1 12.6 19.0

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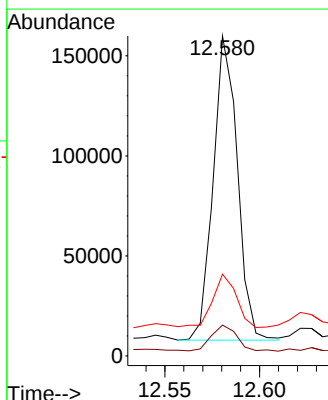
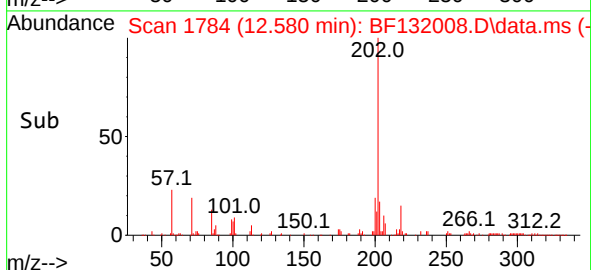
Reviewed By :Christian Giraldo 01/11/2023
 Supervised By :Jagrut Upadhyay 01/11/2023

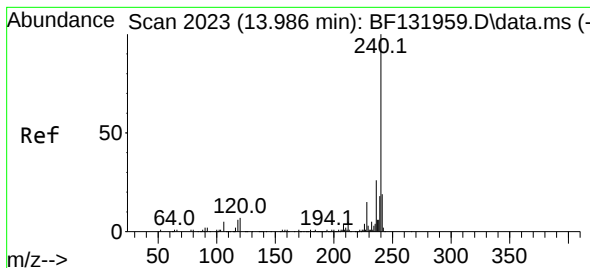


#75
 Fluoranthene
 Concen: 17.231 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.029 min
 Lab File: BF132008.D
 Acq: 10 Jan 2023 21:33



Tgt Ion:202 Resp: 134915
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 28.8
 203 25.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Instrument :

BNA_F

ClientSampleId :

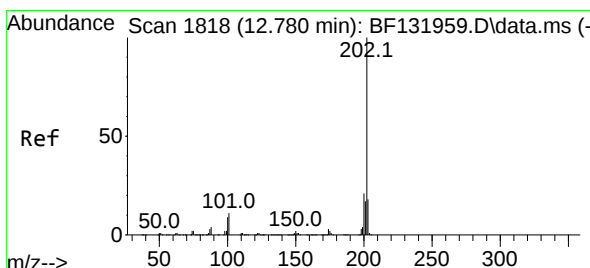
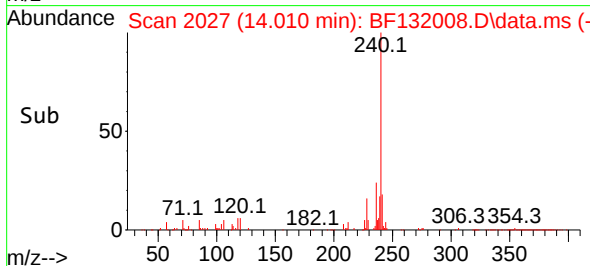
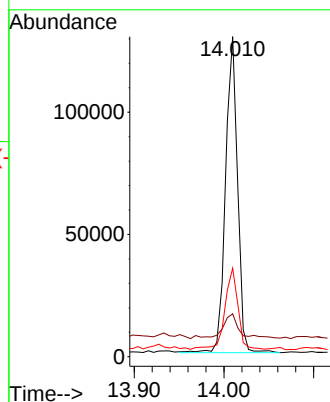
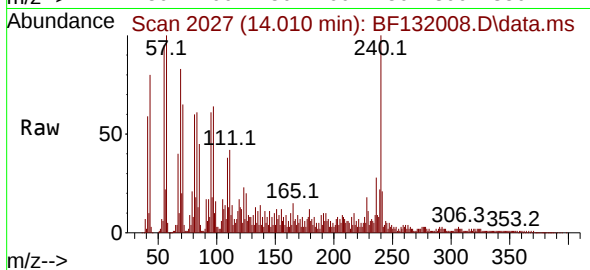
B-1-(10-12)

Tgt Ion:240 Resp: 120128
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.4 8.0
 236 27.6 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023
 Supervised By :Jagrut Upadhyay 01/11/2023



#78

Pyrene

Concen: 20.587 ng

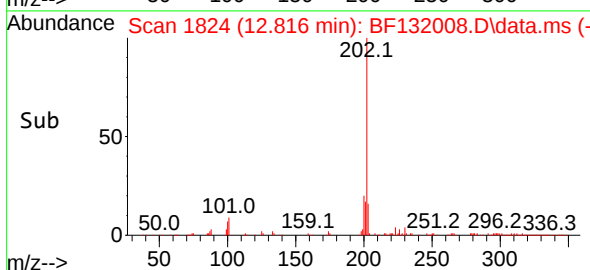
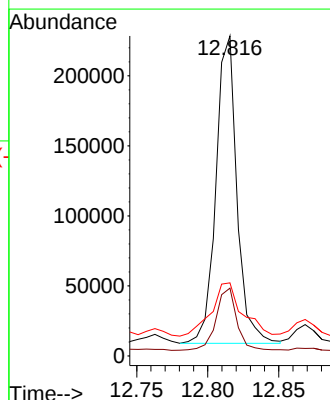
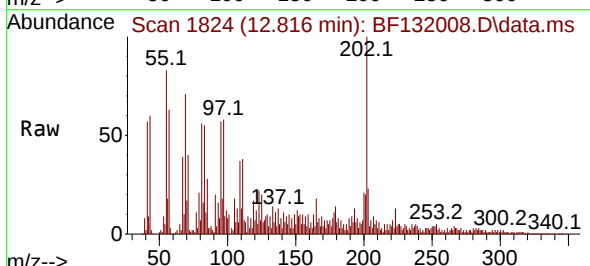
RT: 12.816 min Scan# 1824

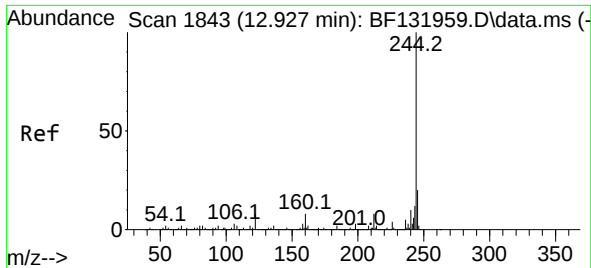
Delta R.T. 0.035 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

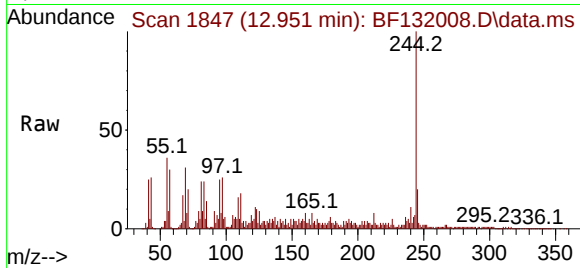
Tgt Ion:202 Resp: 225560
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.6
 203 22.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 54.062 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. 0.023 min
 Lab File: BF132008.D
 Acq: 10 Jan 2023 21:33

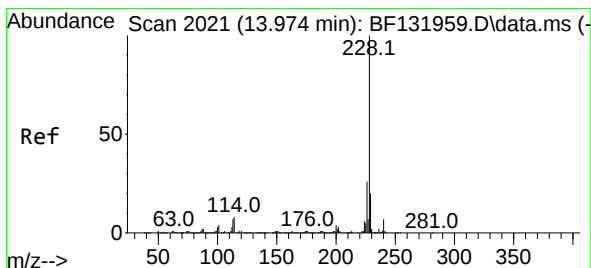
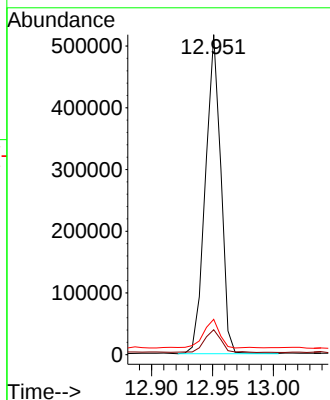
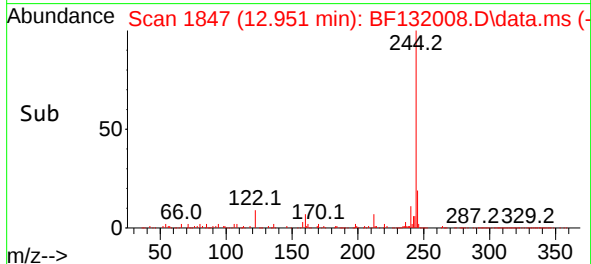
Instrument :
 BNA_F
 ClientSampleId :
 B-1-(10-12)



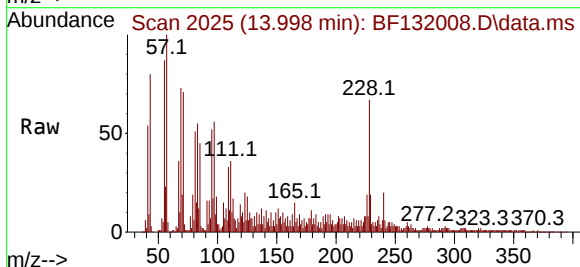
Tgt Ion:244 Resp: 453111
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 11.1 6.8 10.2

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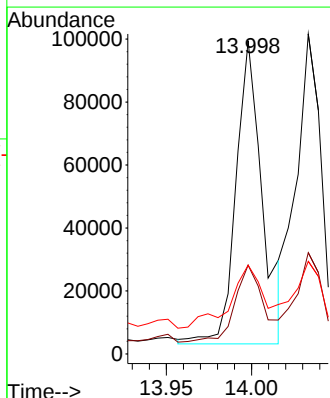
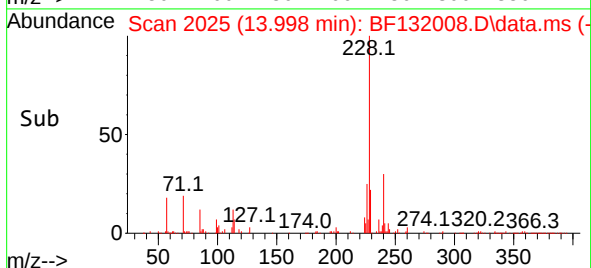
Reviewed By :Christian Giraldo 01/11/2023
 Supervised By :Jagrut Upadhyay 01/11/2023

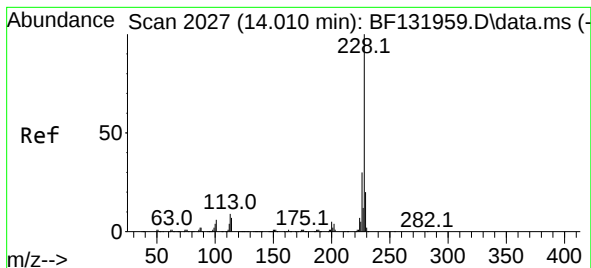


#81
 Benzo(a)anthracene
 Concen: 11.839 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.023 min
 Lab File: BF132008.D
 Acq: 10 Jan 2023 21:33



Tgt Ion:228 Resp: 103472
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.0 31.4
 229 28.3 15.8 23.6





#83

Chrysene

Concen: 12.629 ng

RT: 14.033 min Scan# 2021

Delta R.T. 0.023 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Instrument :

BNA_F

ClientSampleId :

B-1-(10-12)

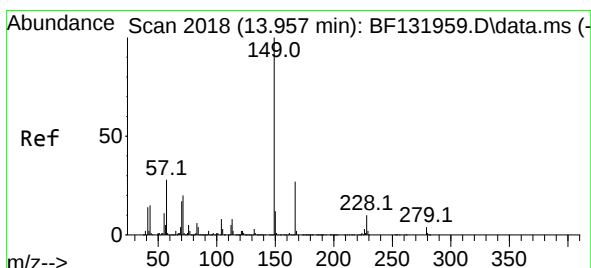
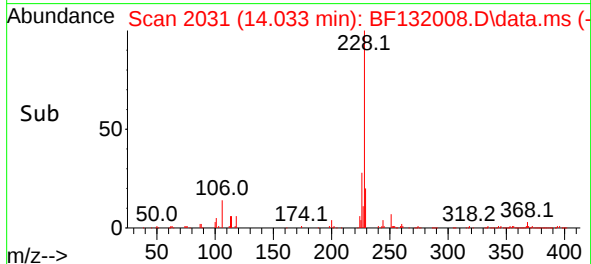
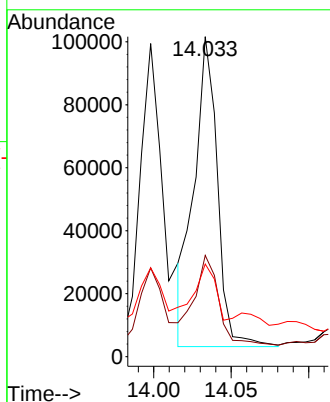
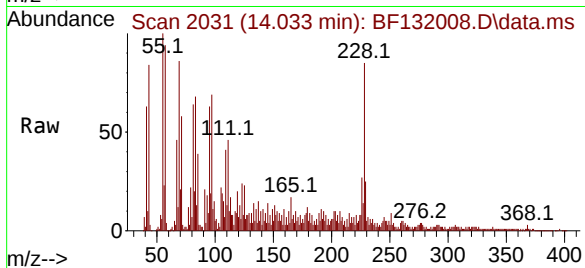
Tgt Ion:228 Resp: 103154

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	29.0	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 67.561 ng

RT: 13.974 min Scan# 2021

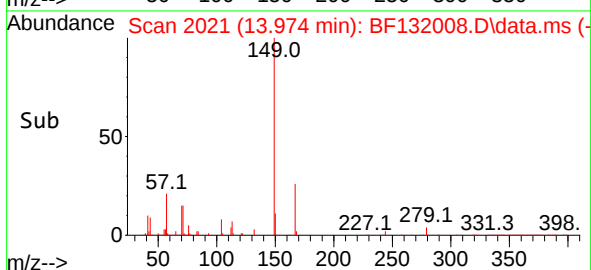
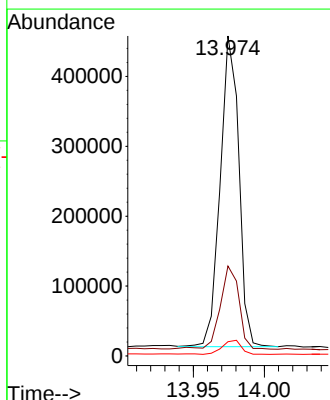
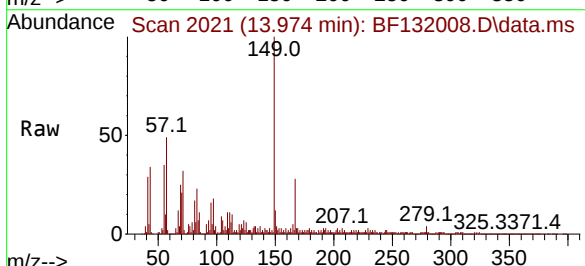
Delta R.T. 0.018 min

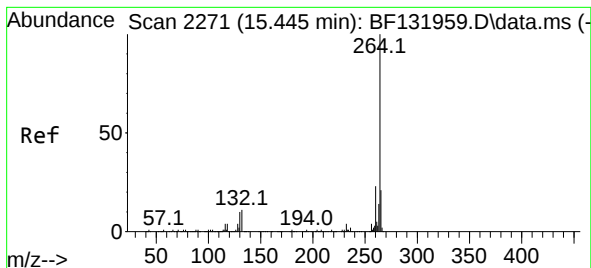
Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Tgt Ion:149 Resp: 404788

Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	4.5	3.2	4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Instrument :

BNA_F

ClientSampleId :

B-1-(10-12)

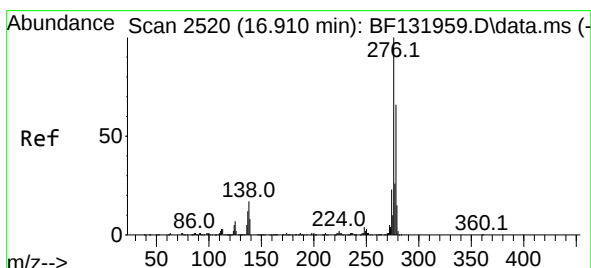
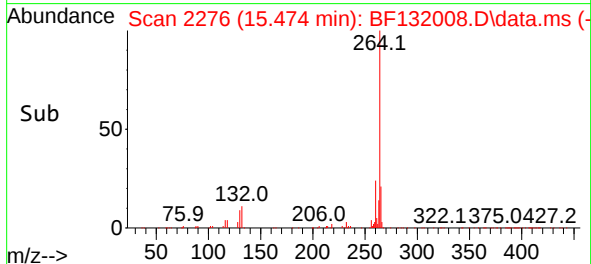
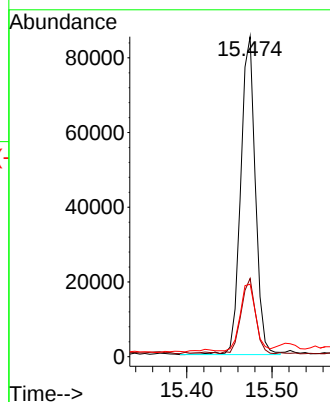
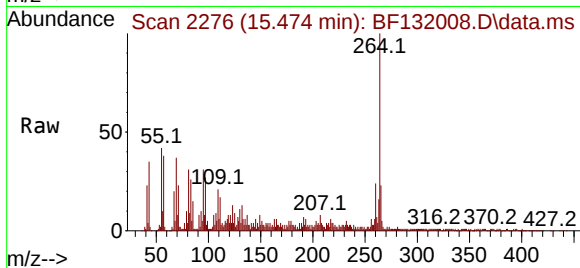
Tgt Ion:264 Resp: 10195

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	22.6	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.684 ng

RT: 16.927 min Scan# 2523

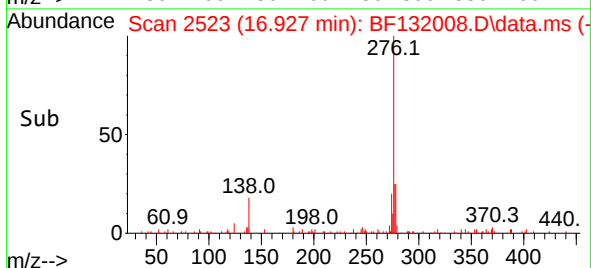
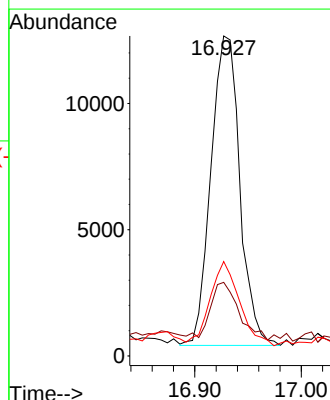
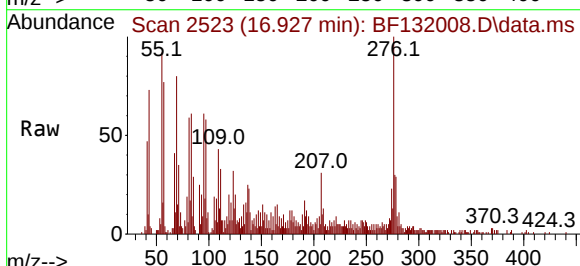
Delta R.T. 0.018 min

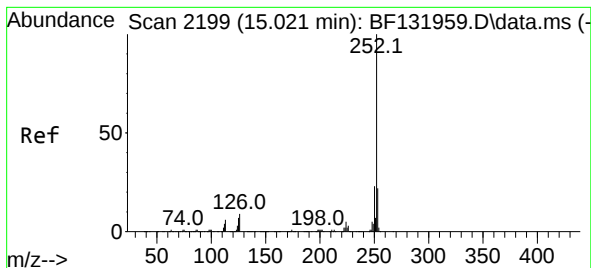
Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Tgt Ion:276 Resp: 23035

Ion	Ratio	Lower	Upper
276	100		
138	18.7	14.2	21.2
277	27.8	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 9.555 ng m

RT: 15.045 min Scan# 2199

Delta R.T. 0.023 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Instrument :

BNA_F

ClientSampleId :

B-1-(10-12)

Tgt Ion:252 Resp: 66814

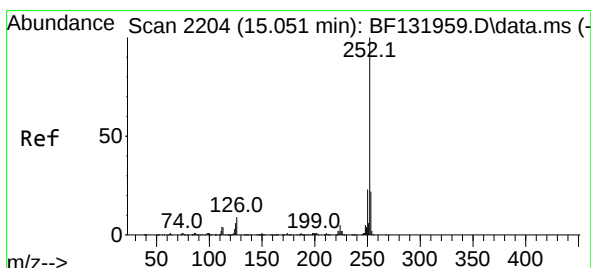
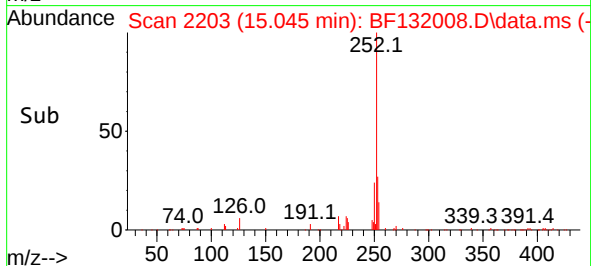
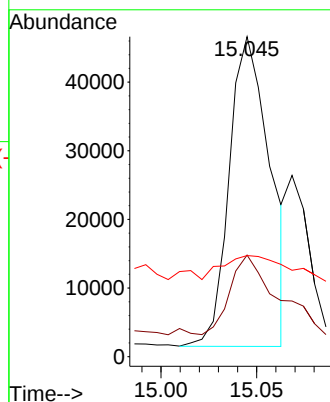
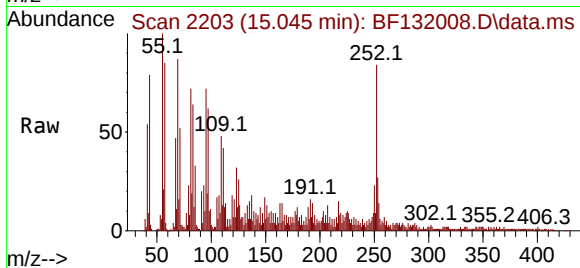
Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.0	27.0
125	31.6	5.8	8.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/11/2023

Supervised By :Jagrut Upadhyay 01/11/2023



#89

Benzo(k)fluoranthene

Concen: 2.806 ng m

RT: 15.068 min Scan# 2207

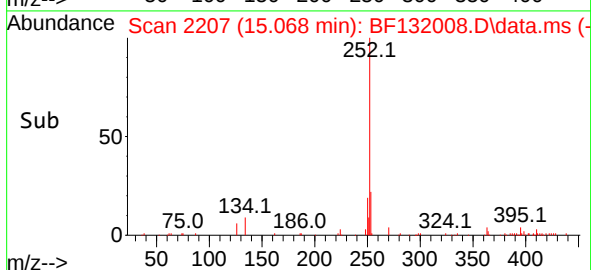
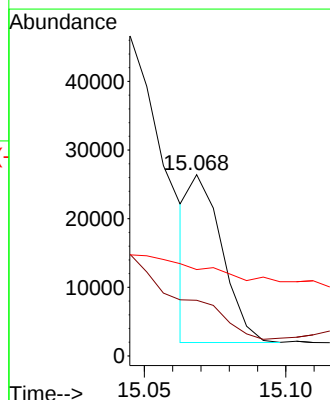
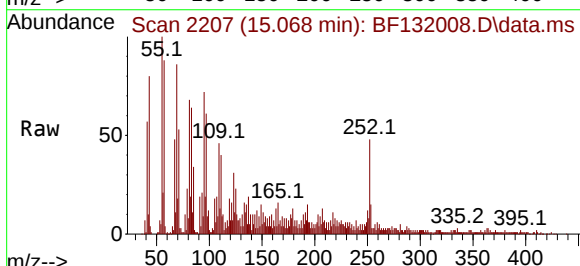
Delta R.T. 0.018 min

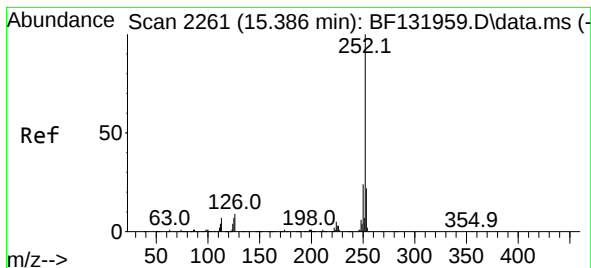
Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Tgt Ion:252 Resp: 19581

Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.8	26.6
125	47.6	5.2	7.8





#90

Benzo(a)pyrene

Concen: 8.534 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Instrument :

BNA_F

ClientSampleId :

B-1-(10-12)

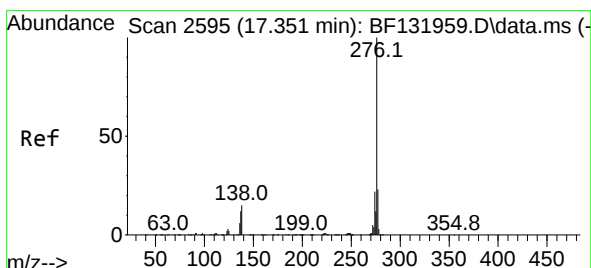
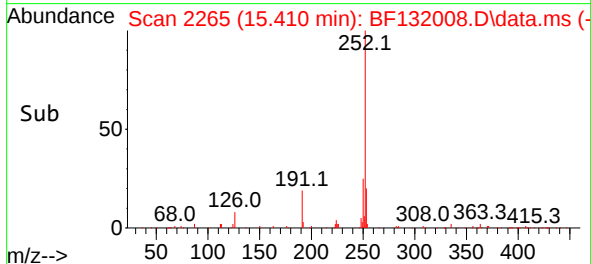
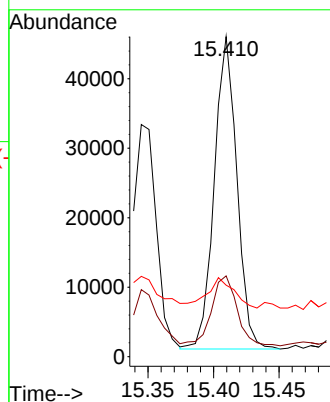
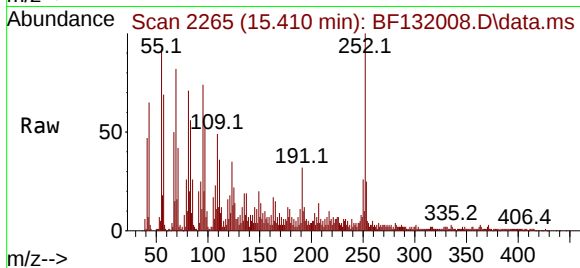
Tgt Ion:252 Resp: 5376

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.0
125	22.3	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#92

Benzo(g,h,i)perylene

Concen: 7.472 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.017 min

Lab File: BF132008.D

Acq: 10 Jan 2023 21:33

Tgt Ion:276 Resp: 23910

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.2	27.2
138	19.0	11.7	17.5

