

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
 Data File : BF130309.D
 Acq On : 17 Sep 2022 01:08
 Operator : CG\JU
 Sample : N4665-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/19/2022
 Supervised By : Jagrut Upadhyay 09/19/2022

Quant Time: Sep 17 03:33:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 17 03:22:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	79194	20.000	ng	0.00
21) Naphthalene-d8	7.951	136	279567	20.000	ng	0.00
39) Acenaphthene-d10	9.698	164	117520	20.000	ng	0.00
64) Phenanthrene-d10	11.175	188	149112	20.000	ng	0.00
76) Chrysene-d12	13.804	240	154459	20.000	ng	0.00
86) Perylene-d12	15.198	264	183864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	474195	103.856	ng	0.00
7) Phenol-d6	6.298	99	577208	101.034	ng	0.00
23) Nitrobenzene-d5	7.234	82	351551	64.243	ng	0.00
42) 2,4,6-Tribromophenol	10.481	330	100640	89.373	ng	-0.01
45) 2-Fluorobiphenyl	9.028	172	575250	71.279	ng	0.00
79) Terphenyl-d14	12.763	244	418925	44.927	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.975	128	1937051	134.490	ng	100
37) 2-Methylnaphthalene	8.663	142	876589	95.456	ng	100
38) 1-Methylnaphthalene	8.763	142	571337	64.764	ng	100
46) 1,1'-Biphenyl	9.122	154	99421	11.328	ng	99
49) Acenaphthylene	9.557	152	144611	13.584	ng	# 94
52) Acenaphthene	9.728	154	47070	6.730	ng	99
55) Dibenzofuran	9.898	168	40266	4.139	ng	# 75
58) Fluorene	10.245	166	226940	28.524	ng	99
71) Phenanthrene	11.204	178	891787	106.523	ng	100
72) Anthracene	11.251	178	156305	19.347	ng	99
75) Fluoranthene	12.386	202	341195	42.177	ng	97
78) Pyrene	12.616	202	601565	44.520	ng	99
81) Benzo(a)anthracene	13.798	228	258306m	25.138	ng	
83) Chrysene	13.833	228	254803	26.116	ng	96
87) Indeno(1,2,3-cd)pyrene	16.515	276	79900	6.128	ng	95
88) Benzo(b)fluoranthene	14.810	252	186864m	15.571	ng	
89) Benzo(k)fluoranthene	14.821	252	66410m	5.626	ng	
90) Benzo(a)pyrene	15.139	252	234138	24.627	ng	99
91) Dibenzo(a,h)anthracene	16.527	278	24852	2.323	ng	# 93
92) Benzo(g,h,i)perylene	16.910	276	84186	7.813	ng	95

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

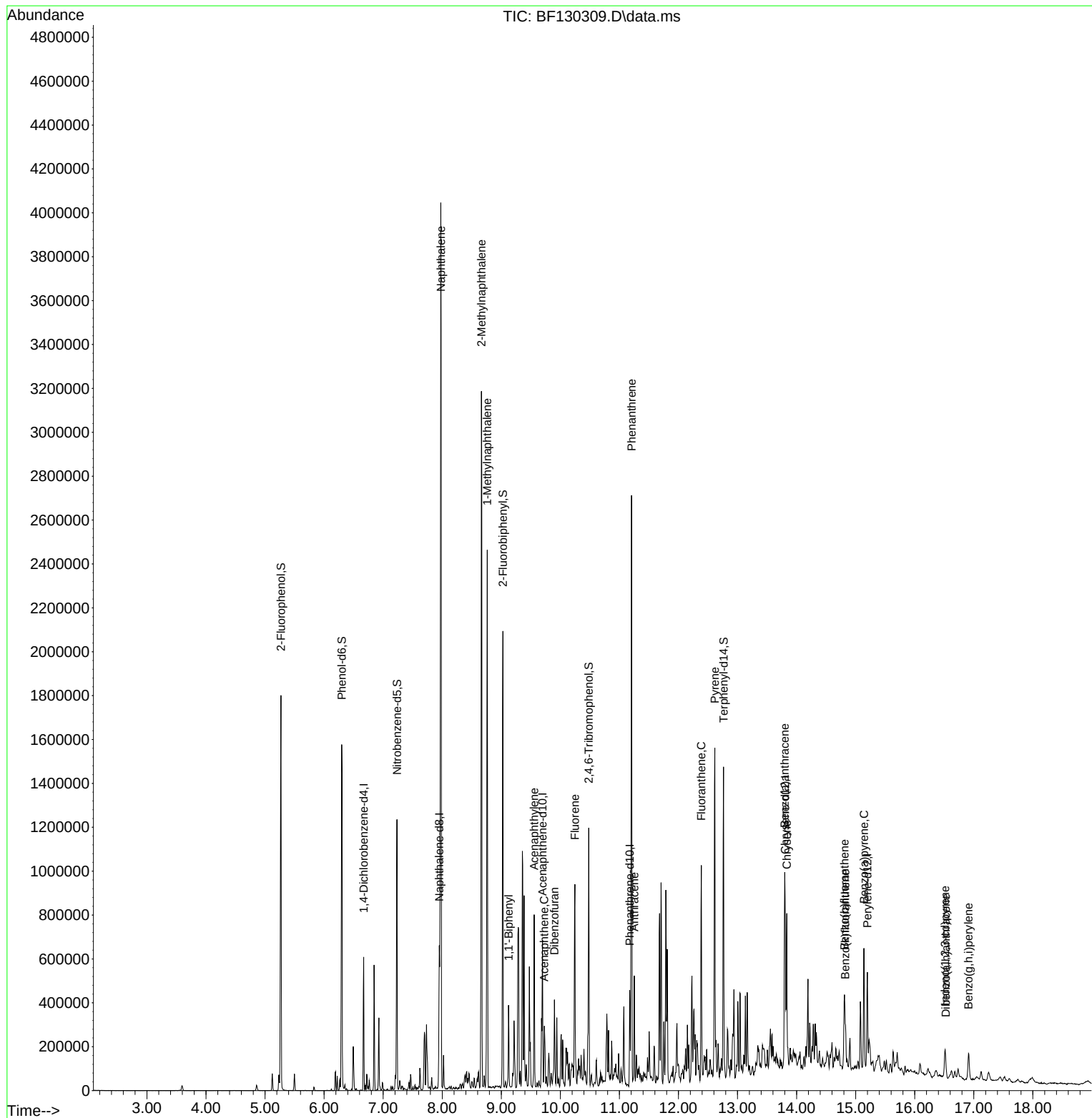
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091622\
Data File : BF130309.D
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ALS Vial : 19 Sample Multiplier: 1

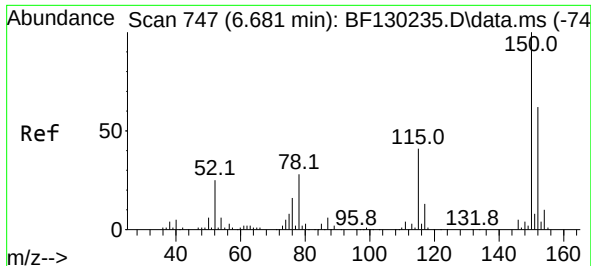
Instrument :
BNA_F
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Quant Time: Sep 17 03:33:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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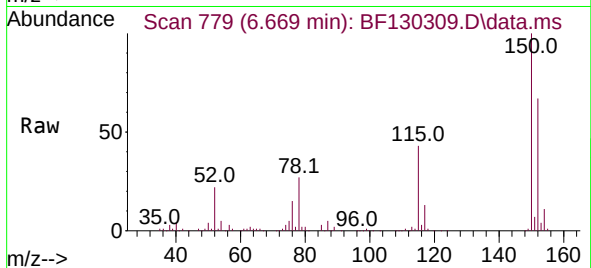
Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.669 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

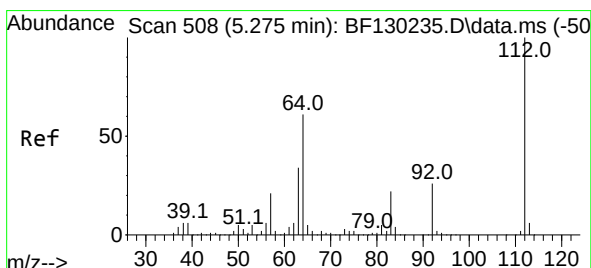
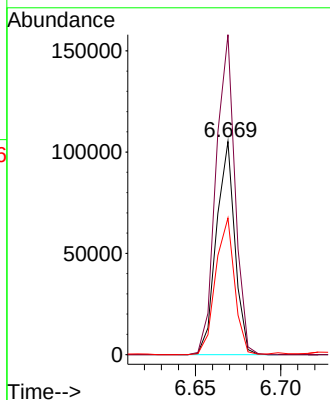
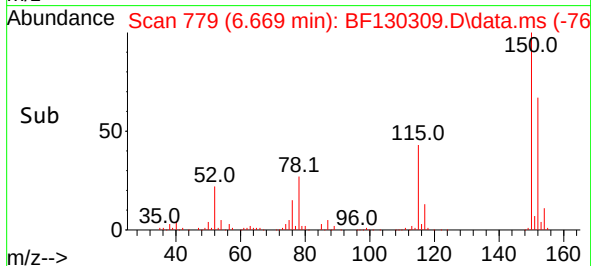
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 79194
Ion Ratio Lower Upper
152 100
150 150.2 122.8 184.2
115 64.1 53.8 80.8

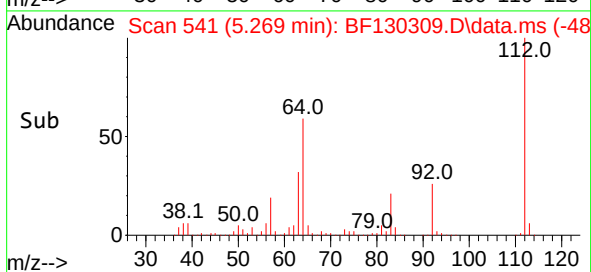
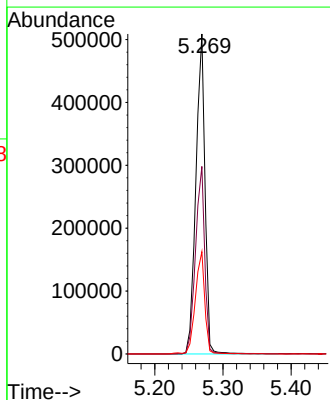
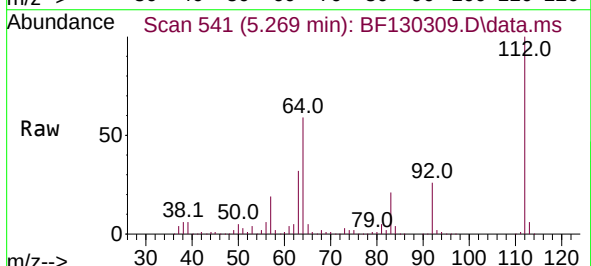
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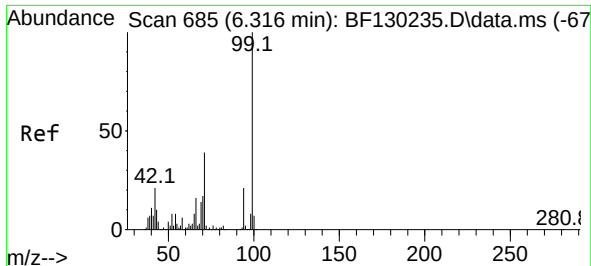
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#5
2-Fluorophenol
Concen: 103.856 ng
RT: 5.269 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

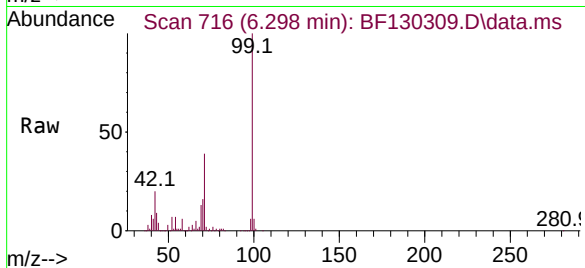
Tgt Ion:112 Resp: 474195
Ion Ratio Lower Upper
112 100
64 58.6 51.4 77.0
63 31.9 28.8 43.2





#7
Phenol-d6
Concen: 101.034 ng
RT: 6.298 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

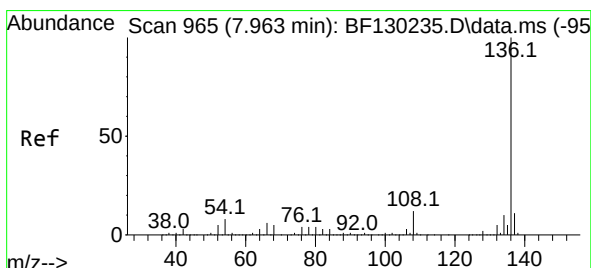
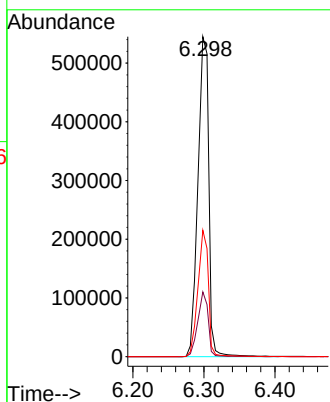
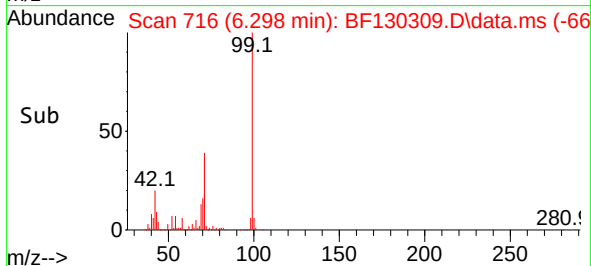
Instrument :
BNA_F
ClientSampleId :
COMP-1



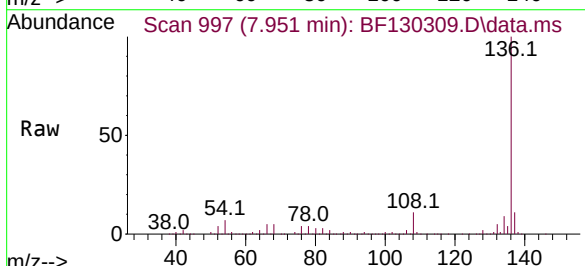
Tgt Ion: 99 Resp: 577208
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.6
71 39.5 32.3 48.5

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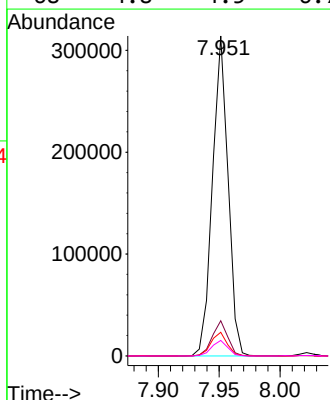
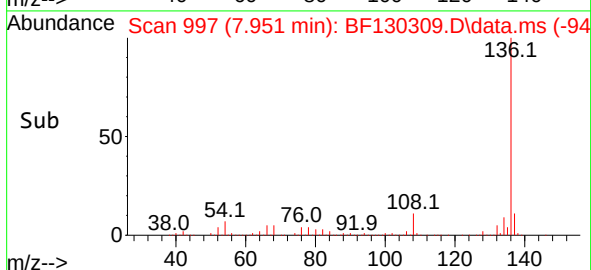
Reviewed By :Christian Giraldo 09/19/2022
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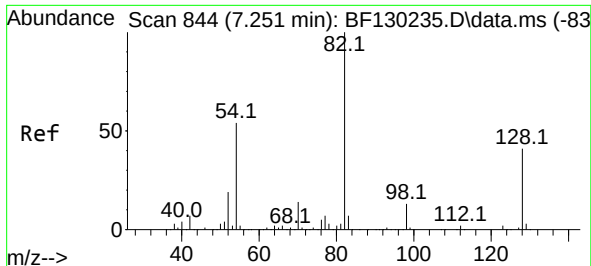


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.951 min Scan# 997
Delta R.T. 0.000 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08



Tgt Ion:136 Resp: 279567
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.4 7.1 10.7
68 4.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 64.243 ng

RT: 7.234 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1

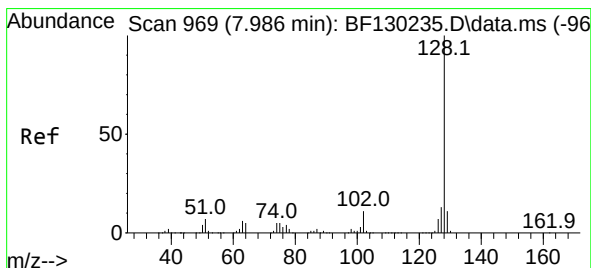
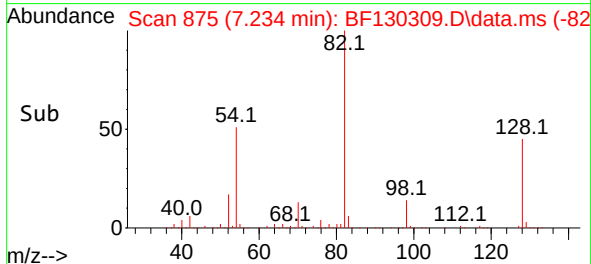
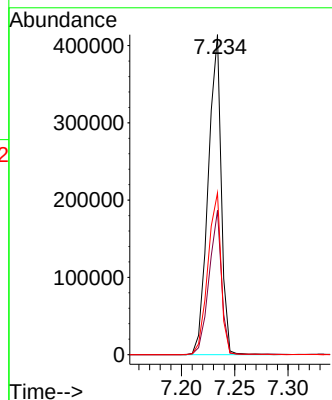
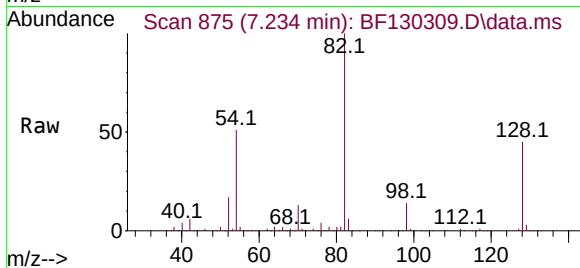
Tgt Ion: 82 Resp: 35155

Ion	Ratio	Lower	Upper
82	100		
128	45.0	32.6	49.0
54	50.5	43.8	65.6

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#31

Naphthalene

Concen: 134.490 ng

RT: 7.975 min Scan# 1001

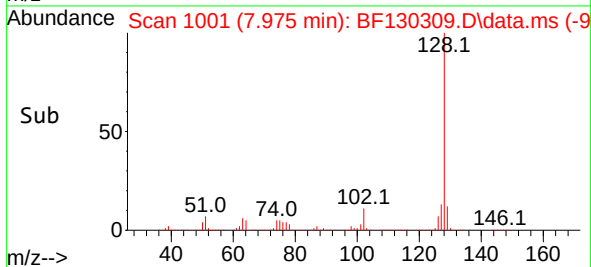
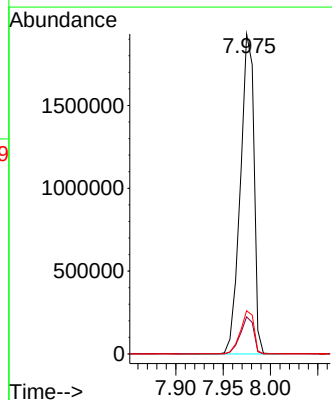
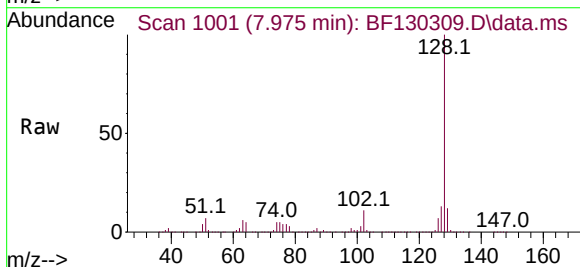
Delta R.T. 0.000 min

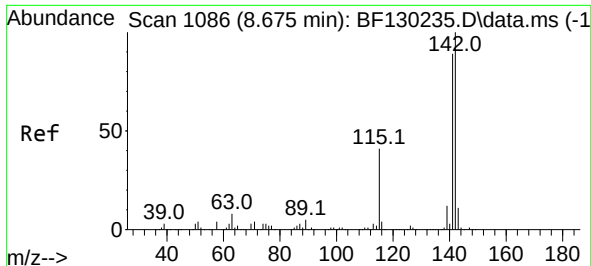
Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Tgt Ion:128 Resp: 1937051

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.5	10.6	16.0





#37

2-Methylnaphthalene

Concen: 95.456 ng

RT: 8.663 min Scan# 1118

Delta R.T. 0.000 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:142 Resp: 876589

Ion Ratio Lower Upper

142 100

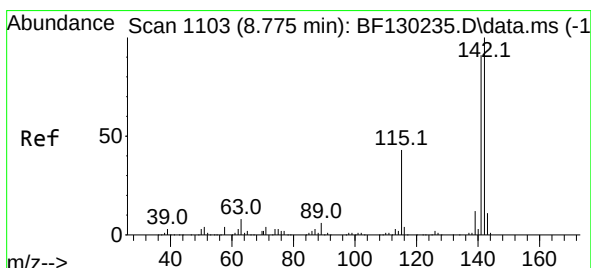
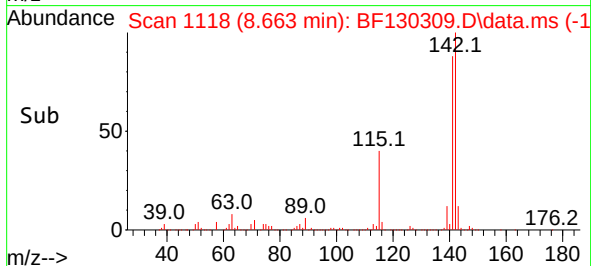
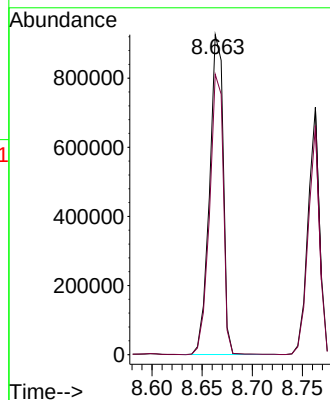
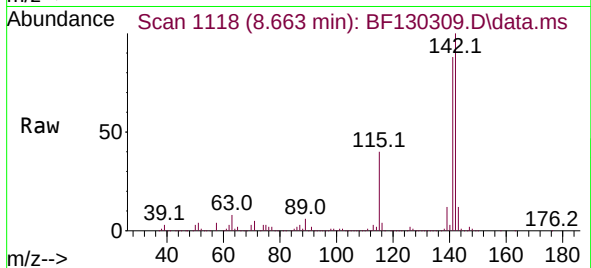
141 87.6 70.0 105.0

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 64.764 ng

RT: 8.763 min Scan# 1135

Delta R.T. 0.000 min

Lab File: BF130309.D

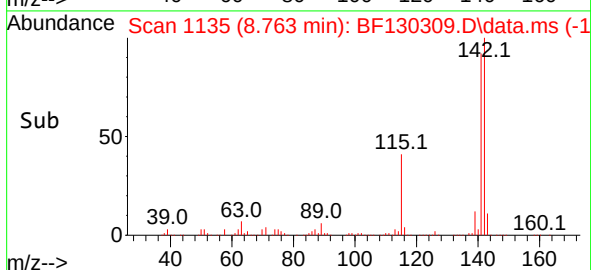
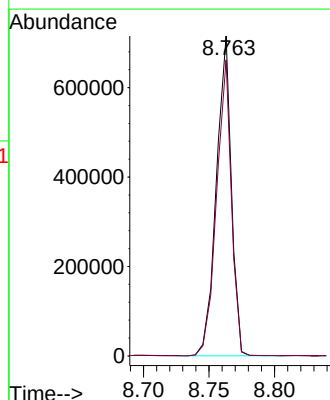
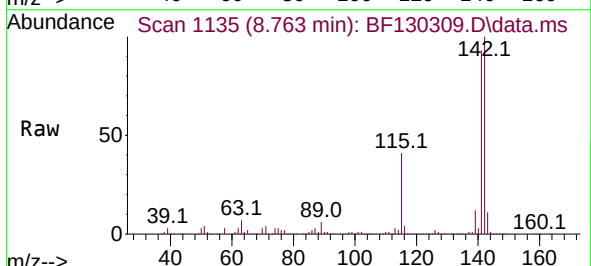
Acq: 17 Sep 2022 01:08

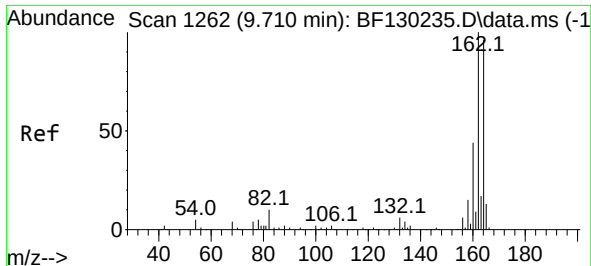
Tgt Ion:142 Resp: 571337

Ion Ratio Lower Upper

142 100

141 92.5 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130309.D

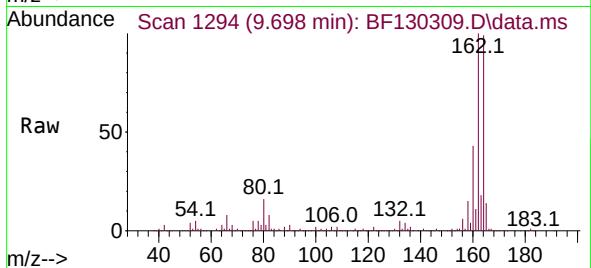
Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:164 Resp: 117520

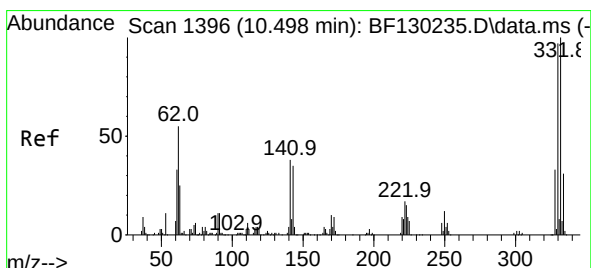
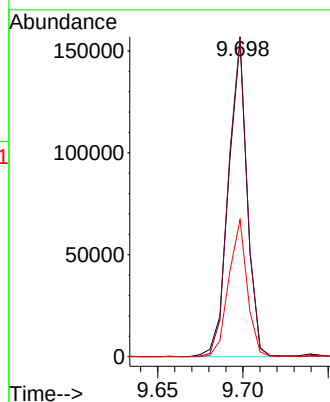
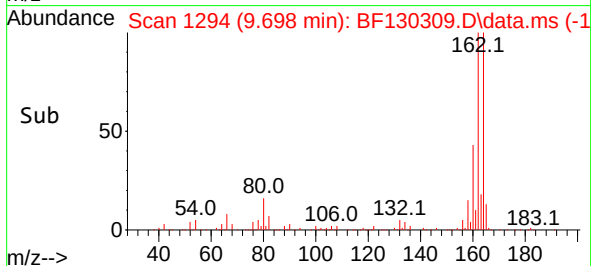
Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.4	122.0
160	43.4	36.2	54.4

Manual Integrations

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#42

2,4,6-Tribromophenol

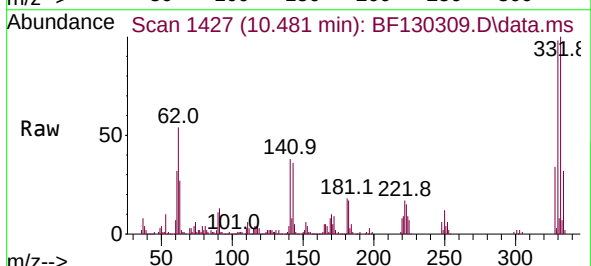
Concen: 89.373 ng

RT: 10.481 min Scan# 1427

Delta R.T. -0.012 min

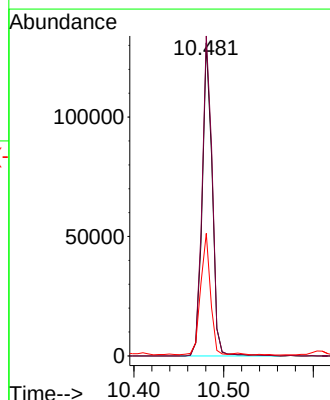
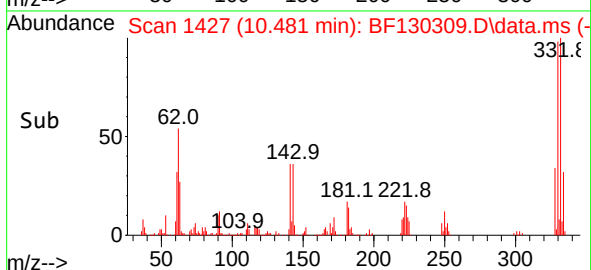
Lab File: BF130309.D

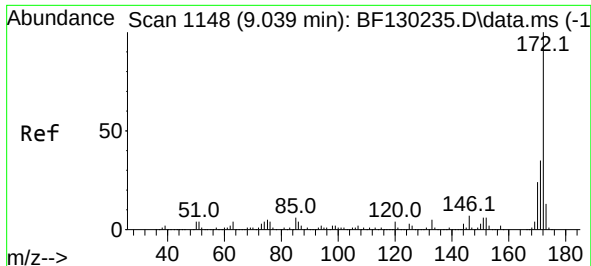
Acq: 17 Sep 2022 01:08



Tgt Ion:330 Resp: 100640

Ion	Ratio	Lower	Upper
330	100		
332	103.9	83.4	125.2
141	38.1	34.0	51.0





#45

2-Fluorobiphenyl

Concen: 71.279 ng

RT: 9.028 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:172 Resp: 575250

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

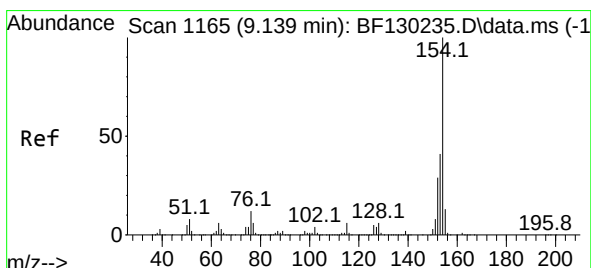
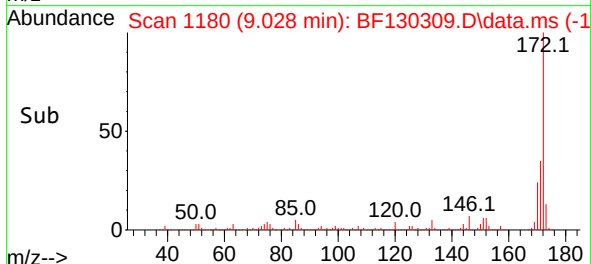
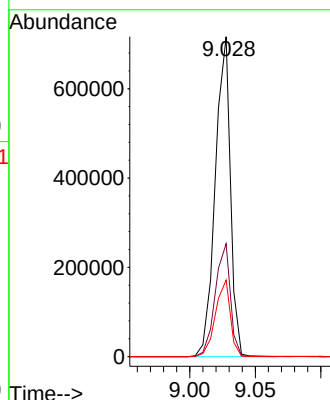
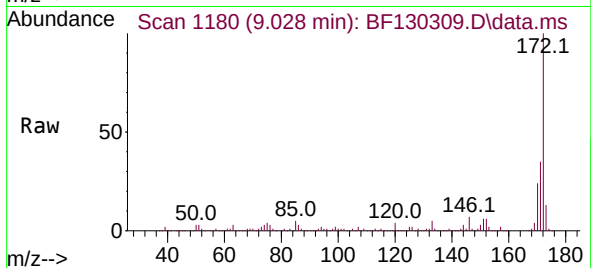
170 23.9 18.7 28.1

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 11.328 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

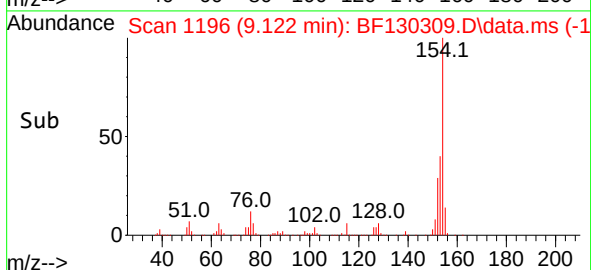
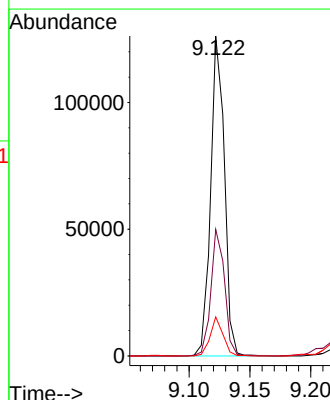
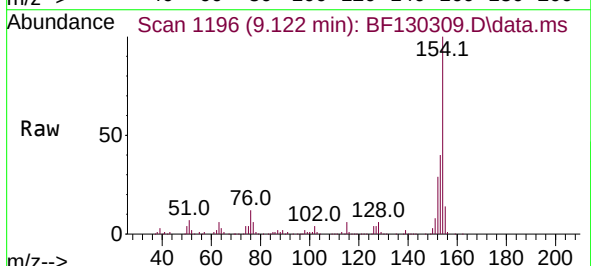
Tgt Ion:154 Resp: 99421

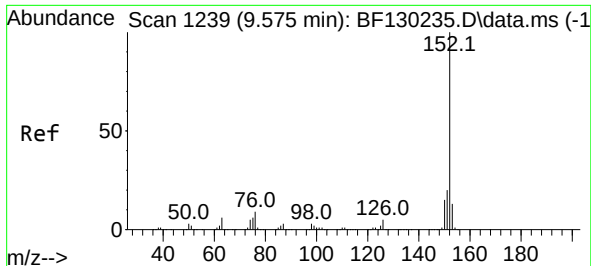
Ion Ratio Lower Upper

154 100

153 39.5 20.0 60.0

76 12.2 0.0 33.3





#49

Acenaphthylene

Concen: 13.584 ng

RT: 9.557 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:152 Resp: 14461

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

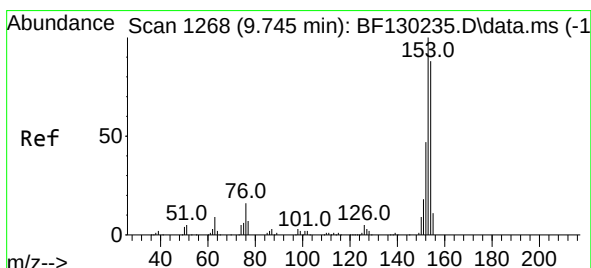
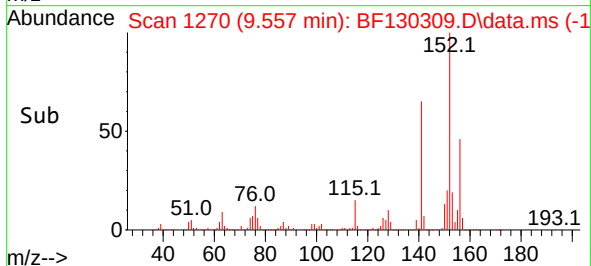
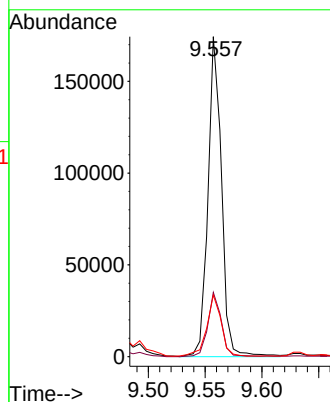
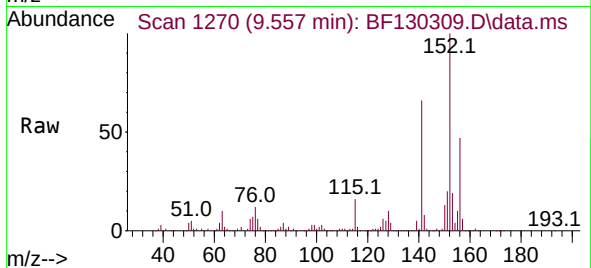
153 19.2 10.6 15.8

Manual Integrations

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#52

Acenaphthene

Concen: 6.730 ng

RT: 9.728 min Scan# 1299

Delta R.T. -0.012 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

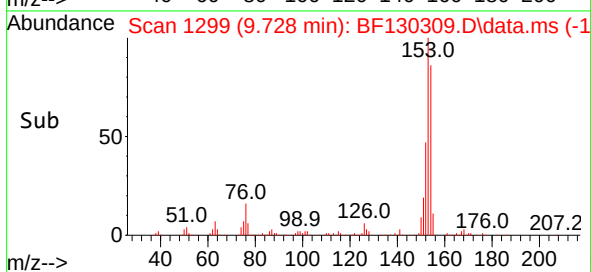
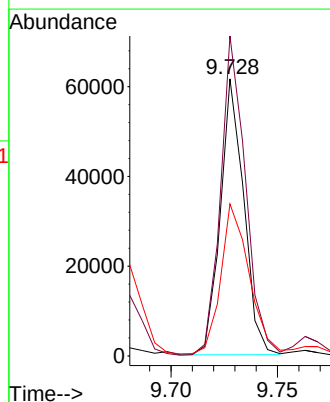
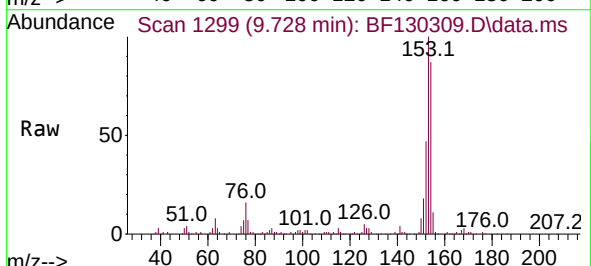
Tgt Ion:154 Resp: 47070

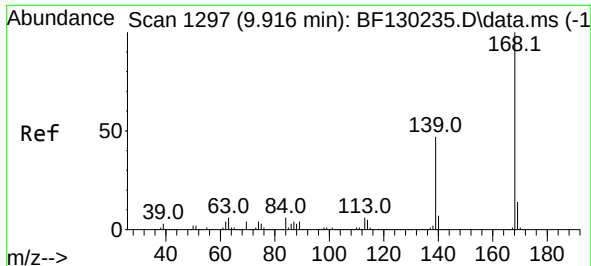
Ion Ratio Lower Upper

154 100

153 115.5 90.6 136.0

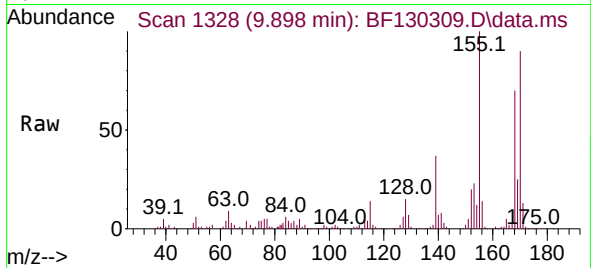
152 54.8 43.8 65.6





#55
Dibenzofuran
Concen: 4.139 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

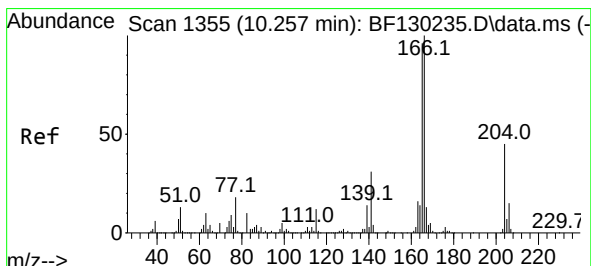
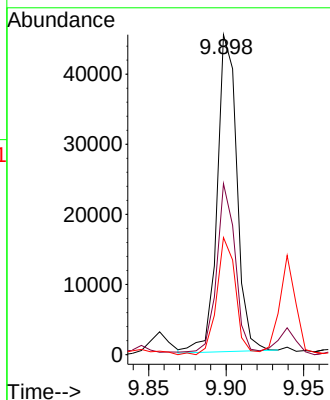
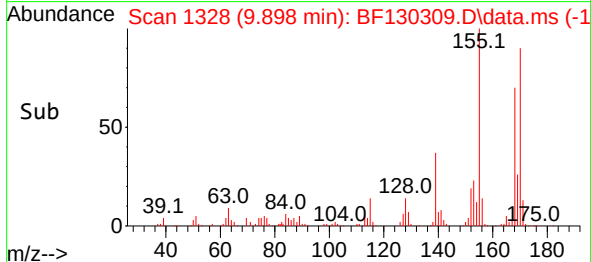
Instrument :
BNA_F
ClientSampleId :
COMP-1



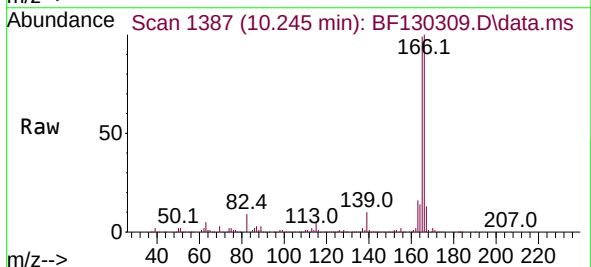
Tgt Ion:168 Resp: 40266
Ion Ratio Lower Upper
168 100
139 53.4 35.0 52.4
169 36.6 10.9 16.3

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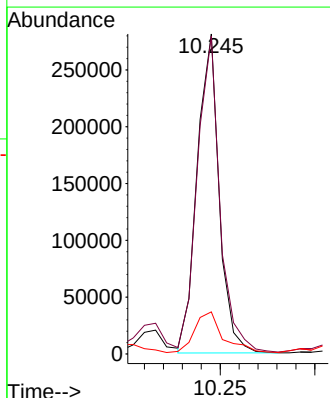
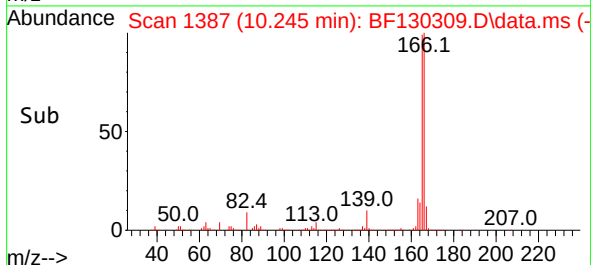
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

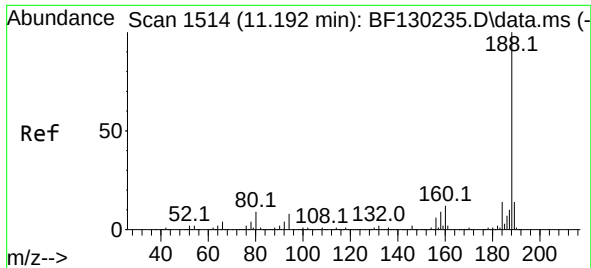


#58
Fluorene
Concen: 28.524 ng
RT: 10.245 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08



Tgt Ion:166 Resp: 226940
Ion Ratio Lower Upper
166 100
165 99.3 78.8 118.2
167 13.1 10.6 15.8





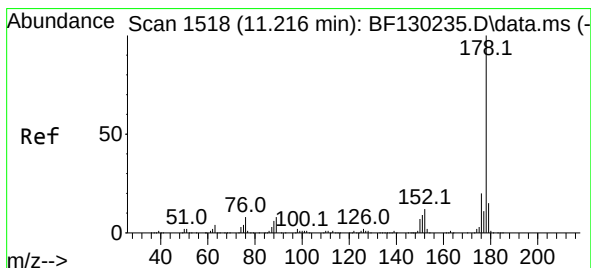
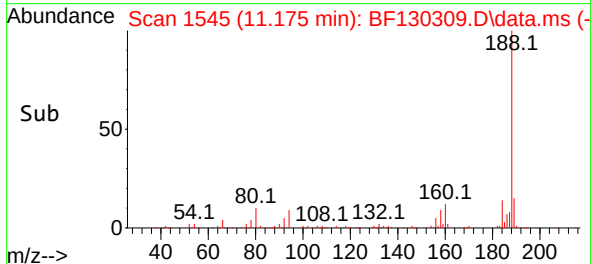
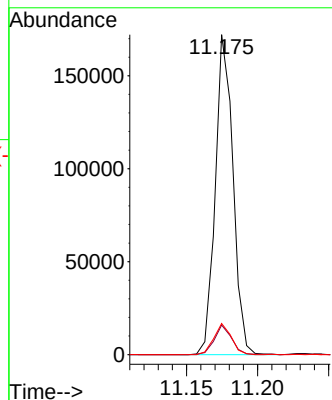
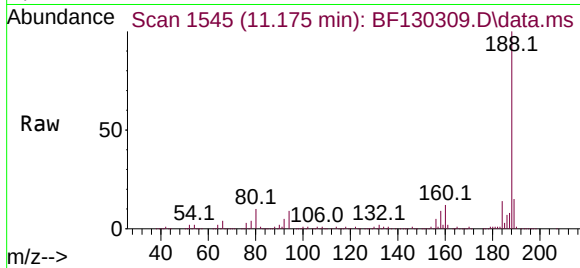
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:188 Resp: 149112
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 9.7 7.9 11.9

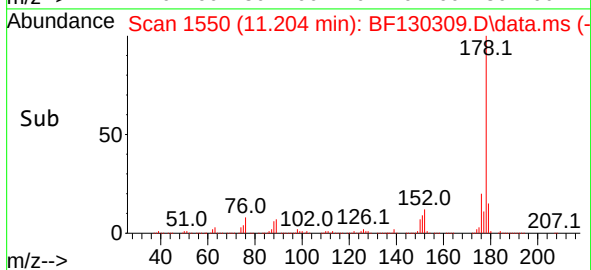
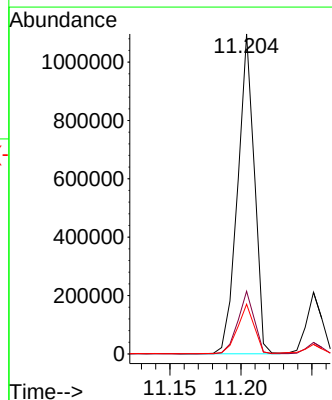
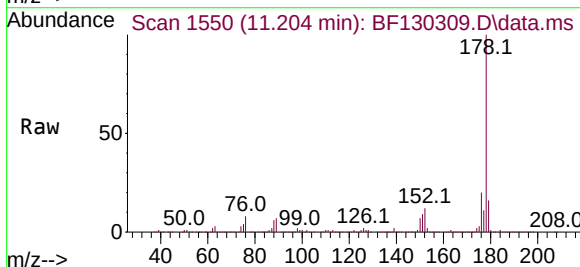
Manual Integrations
APPROVED

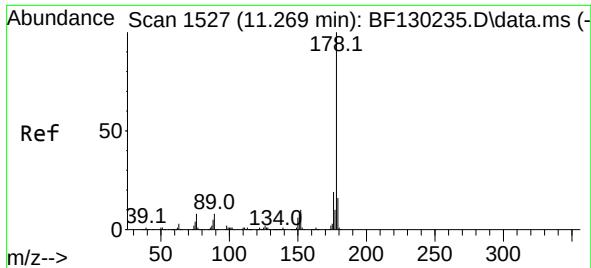
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#71
Phenanthrene
Concen: 106.523 ng
RT: 11.204 min Scan# 1550
Delta R.T. -0.006 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

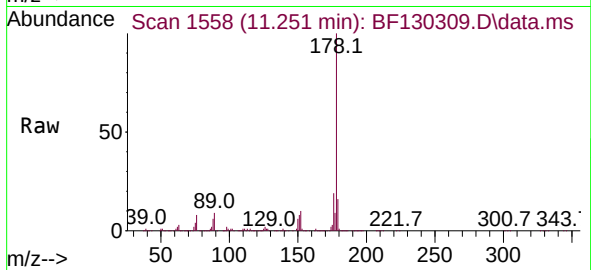
Tgt Ion:178 Resp: 891787
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 19.347 ng
 RT: 11.251 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130309.D
 Acq: 17 Sep 2022 01:08

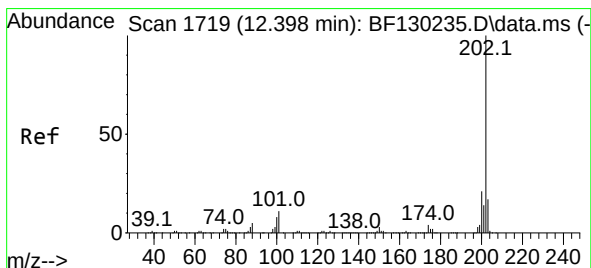
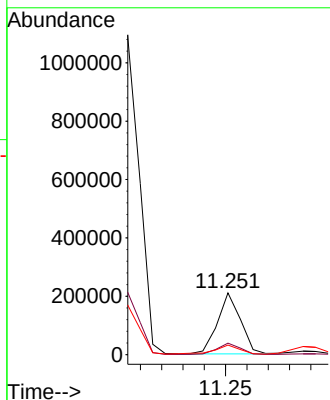
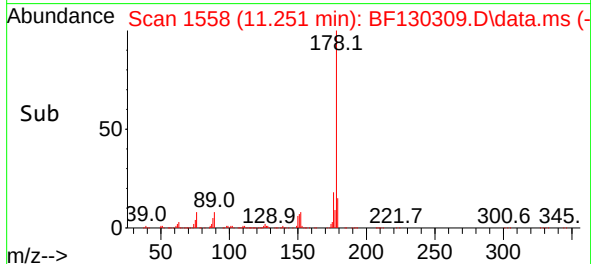
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



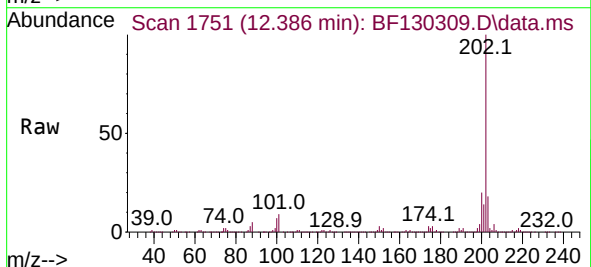
Tgt Ion:178 Resp: 156305
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 15.5 12.7 19.1

Manual Integrations
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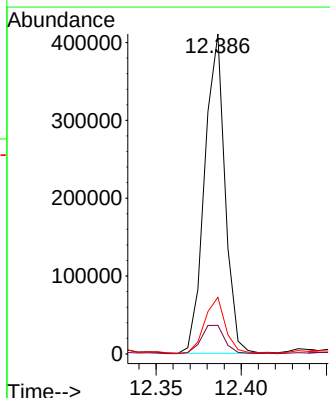
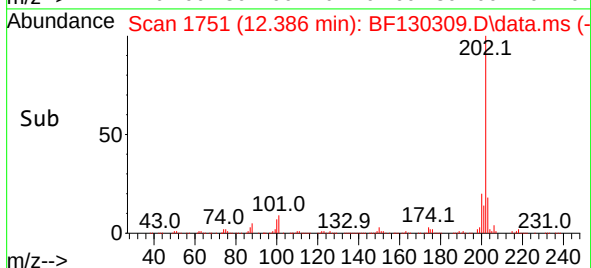
Reviewed By :Christian Giraldo 09/19/2022
 Supervised By :Jagrut Upadhyay 09/19/2022

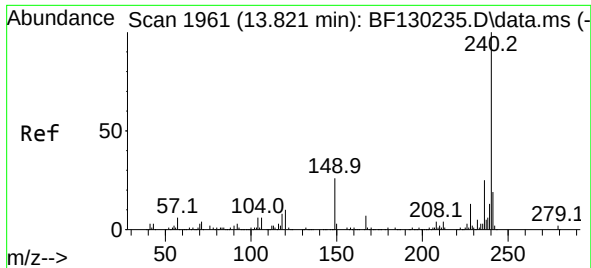


#75
 Fluoranthene
 Concen: 42.177 ng
 RT: 12.386 min Scan# 1751
 Delta R.T. -0.006 min
 Lab File: BF130309.D
 Acq: 17 Sep 2022 01:08



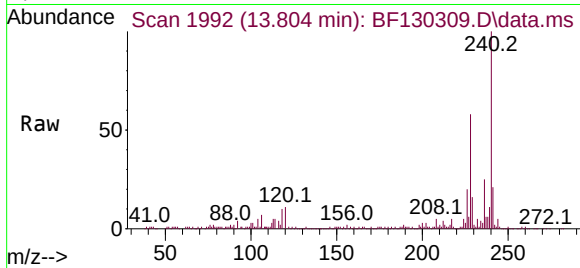
Tgt Ion:202 Resp: 341195
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 31.8
 203 17.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.804 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

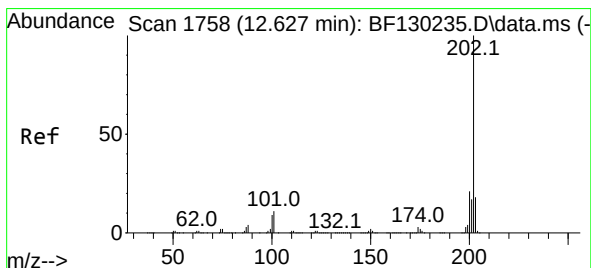
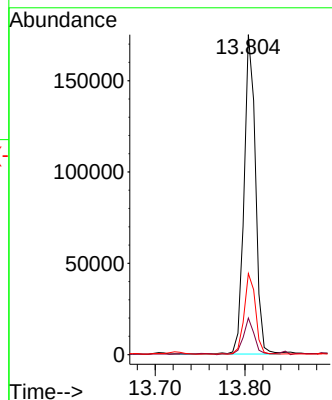
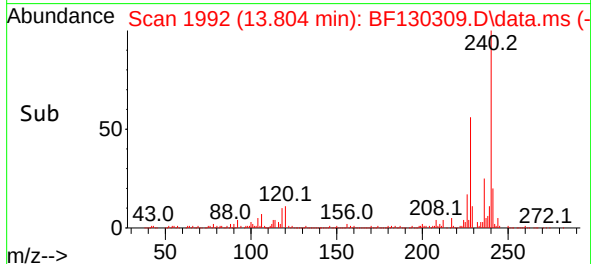
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:240 Resp: 154459
Ion Ratio Lower Upper
240 100
120 11.4 8.7 13.1
236 25.3 20.9 31.3

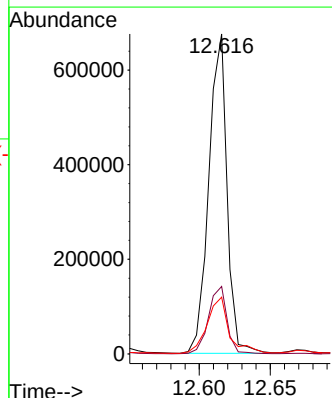
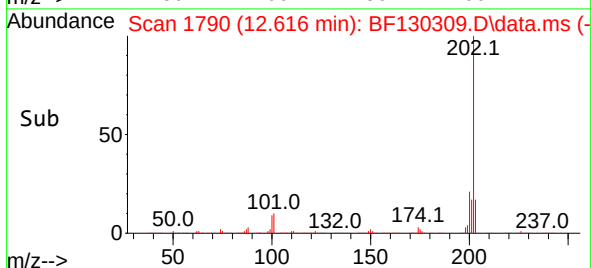
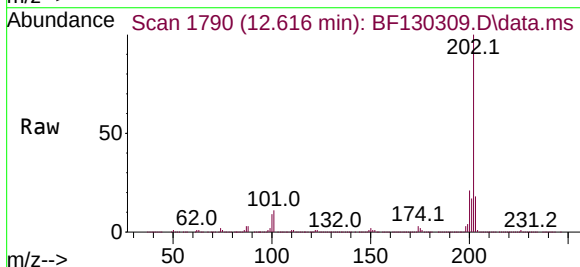
Manual Integrations
APPROVED

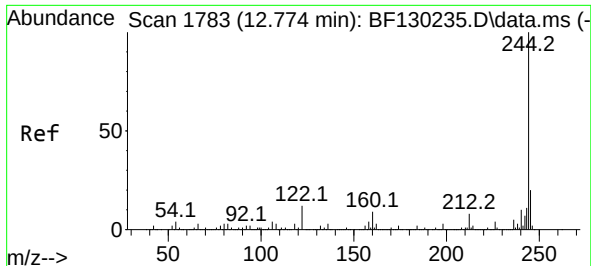
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022



#78
Pyrene
Concen: 44.520 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

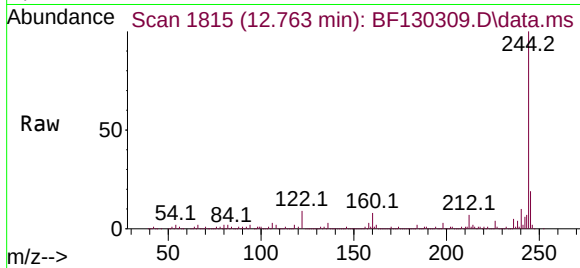
Tgt Ion:202 Resp: 601565
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 44.927 ng
 RT: 12.763 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF130309.D
 Acq: 17 Sep 2022 01:08

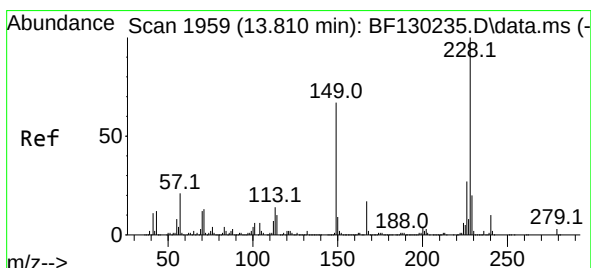
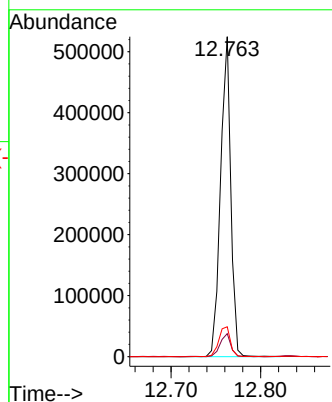
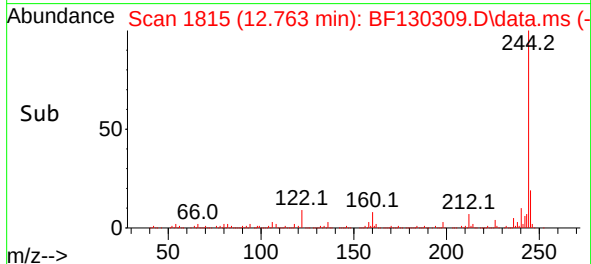
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



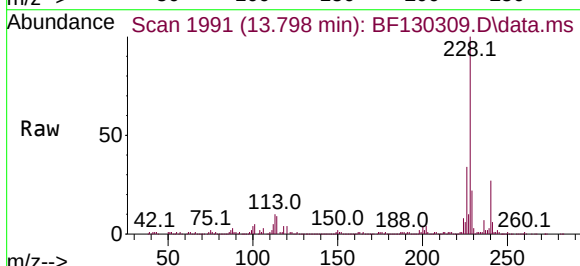
Tgt Ion:244 Resp: 418925
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.3 8.5 12.7

Manual Integrations
 APPROVED

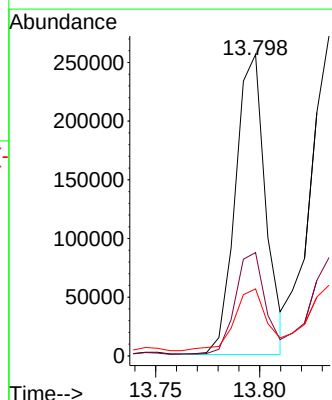
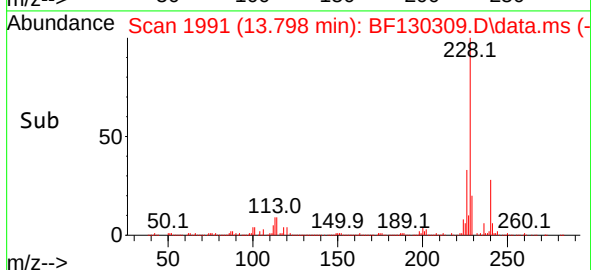
Reviewed By :Christian Giraldo 09/19/2022
 Supervised By :Jagrut Upadhyay 09/19/2022

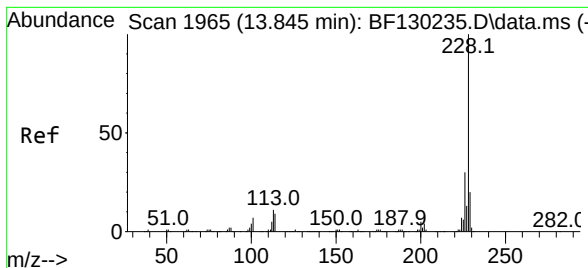


#81
 Benzo(a)anthracene
 Concen: 25.138 ng m
 RT: 13.798 min Scan# 1991
 Delta R.T. 0.000 min
 Lab File: BF130309.D
 Acq: 17 Sep 2022 01:08



Tgt Ion:228 Resp: 258306
 Ion Ratio Lower Upper
 228 100
 226 34.2 21.9 32.9#
 229 22.2 16.1 24.1





#83

Chrysene

Concen: 26.116 ng

RT: 13.833 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1

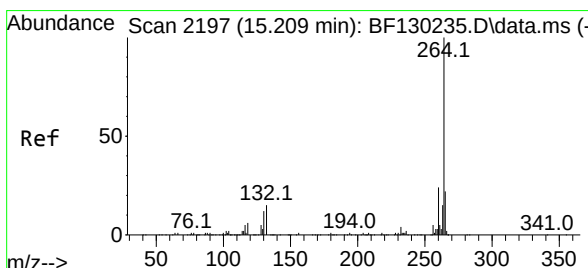
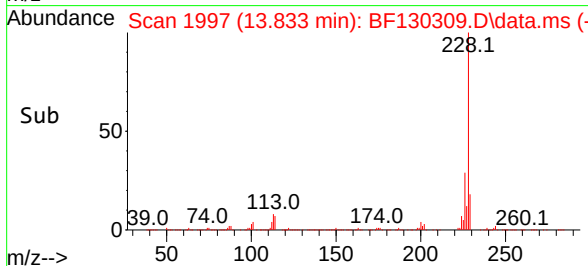
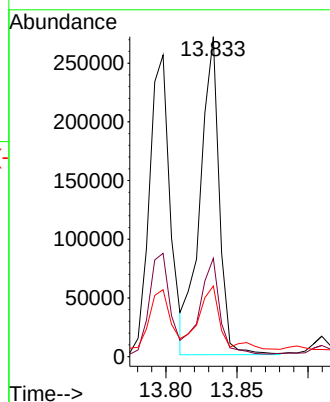
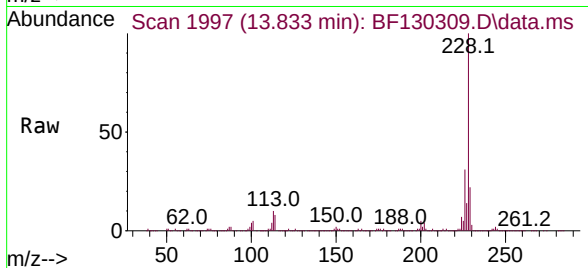
Tgt Ion:	228	Resp:	254803
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.8	35.8
229	22.1	15.3	22.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#86

Perylene-d12

Concen: 20.000 ng

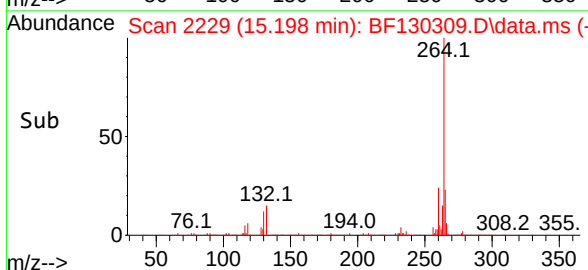
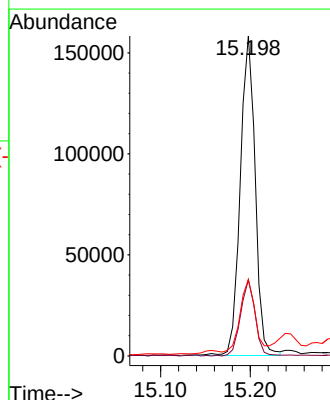
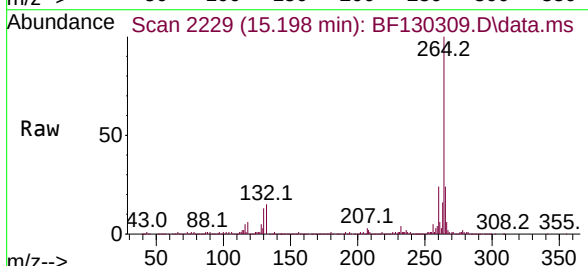
RT: 15.198 min Scan# 2229

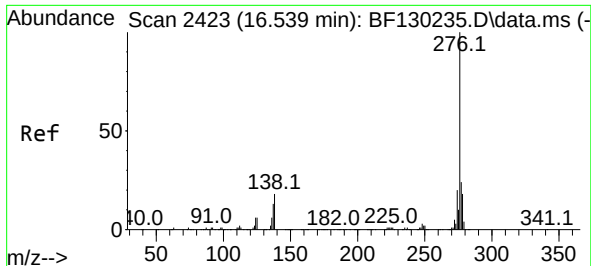
Delta R.T. 0.000 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

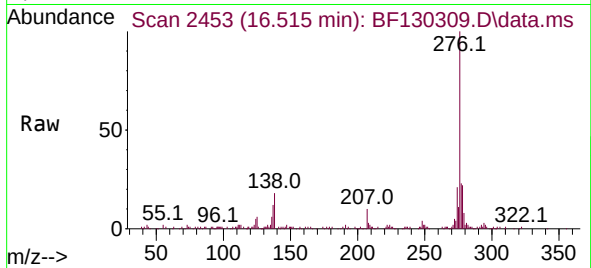
Tgt Ion:	264	Resp:	183864
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.3	28.9
265	23.9	17.0	25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.128 ng
RT: 16.515 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

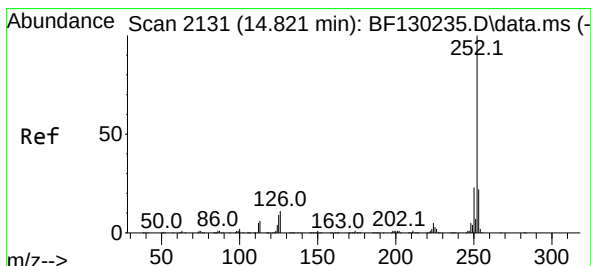
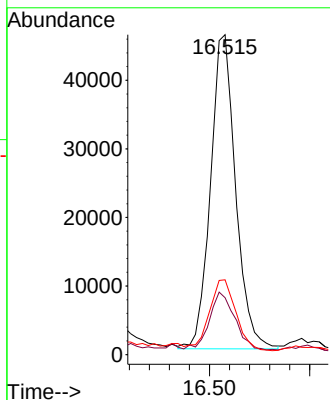
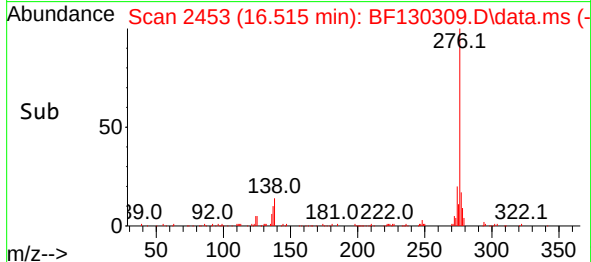
Instrument :
BNA_F
ClientSampleId :
COMP-1



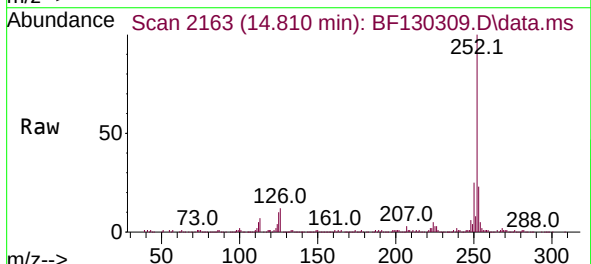
Tgt Ion:276 Resp: 79900
Ion Ratio Lower Upper
276 100
138 18.5 18.5 27.7
277 24.6 20.2 30.4

Manual Integrations
APPROVED

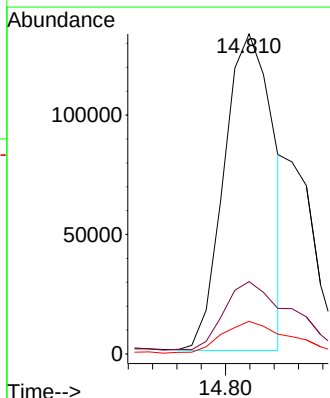
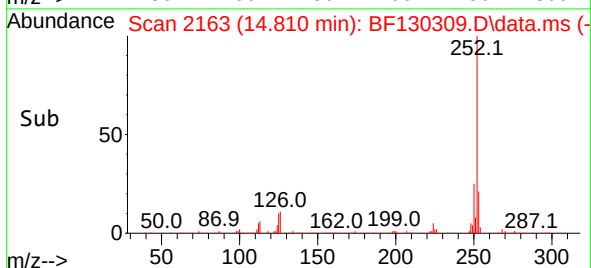
Reviewed By :Christian Giraldo 09/19/2022
Supervised By :Jagrut Upadhyay 09/19/2022

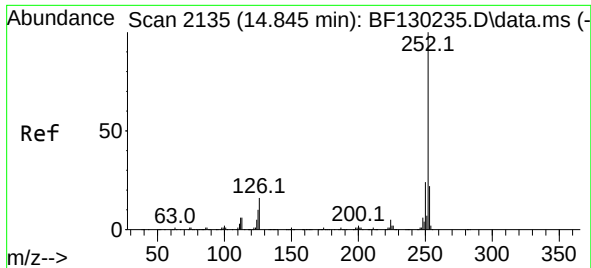


#88
Benzo(b)fluoranthene
Concen: 15.571 ng m
RT: 14.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08



Tgt Ion:252 Resp: 186864
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.2 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 5.626 ng m

RT: 14.821 min Scan# 2135

Delta R.T. -0.017 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:252 Resp: 66410

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

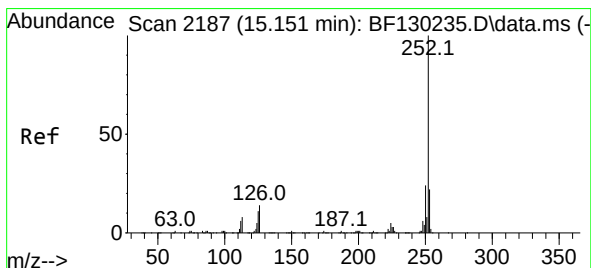
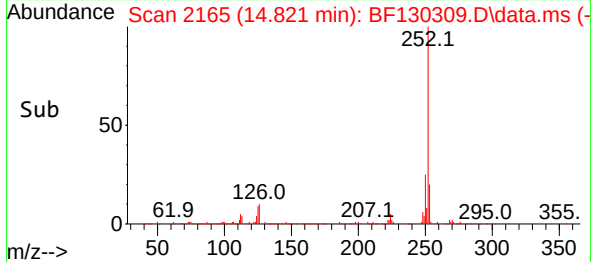
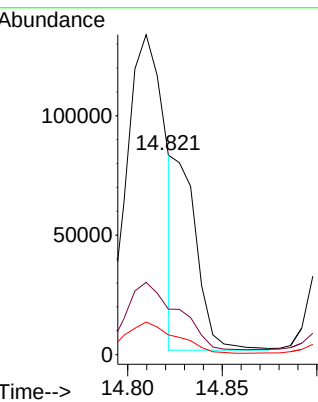
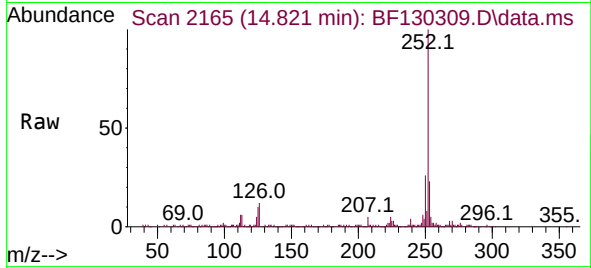
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/19/2022

Supervised By :Jagrut Upadhyay 09/19/2022



#90

Benzo(a)pyrene

Concen: 24.627 ng

RT: 15.139 min Scan# 2219

Delta R.T. 0.000 min

Lab File: BF130309.D

Acq: 17 Sep 2022 01:08

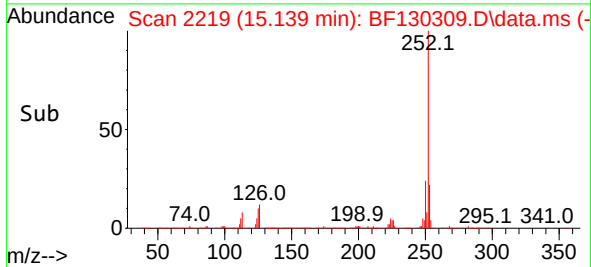
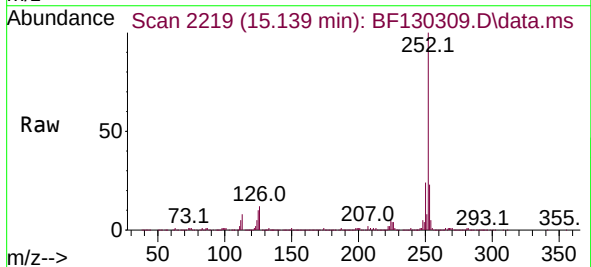
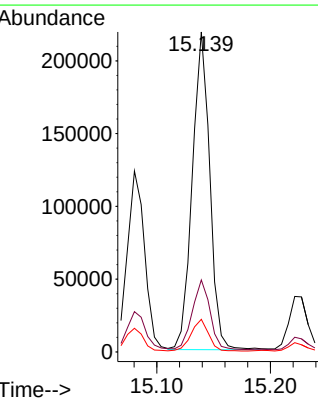
Tgt Ion:252 Resp: 234138

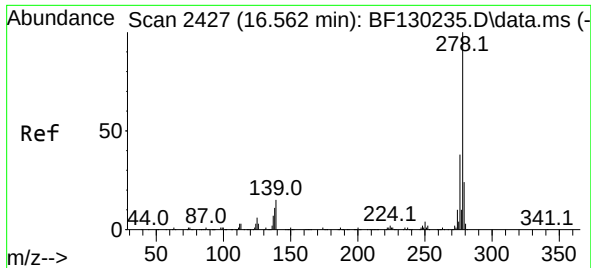
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

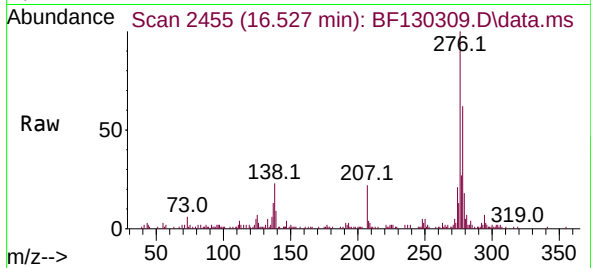
125 10.2 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 2.323 ng
RT: 16.527 min Scan# 2427
Delta R.T. -0.017 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

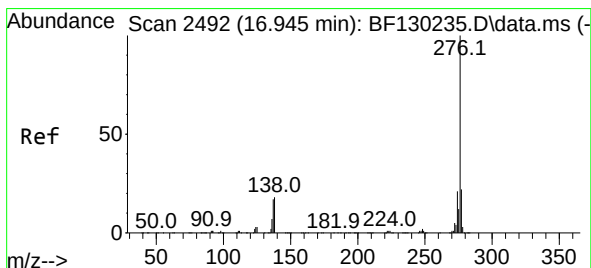
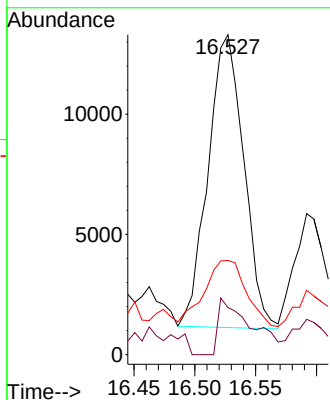
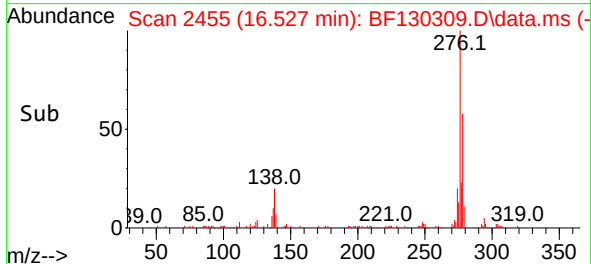
Instrument : BNA_F
ClientSampleId :
COMP-1



Tgt Ion: 278 Resp: 24852
Ion Ratio Lower Upper
278 100
139 14.8 11.8 17.8
279 29.4 19.4 29.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 09/19/2022
Supervised By : Jagrut Upadhyay 09/19/2022



#92
Benzo(g,h,i)perylene
Concen: 7.813 ng
RT: 16.910 min Scan# 2520
Delta R.T. -0.017 min
Lab File: BF130309.D
Acq: 17 Sep 2022 01:08

Tgt Ion: 276 Resp: 84186
Ion Ratio Lower Upper
276 100
277 25.6 18.6 27.8
138 21.0 14.6 21.8

