

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
 Data File : BF131077.D
 Acq On : 08 Nov 2022 20:34
 Operator : CG\JU
 Sample : N5485-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-110422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/09/2022
 Supervised By : Jagrut Upadhyay 11/09/2022

Quant Time: Nov 09 04:08:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	75484	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	259593	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	132317	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	236171	20.000	ng	0.00
76) Chrysene-d12	14.098	240	203694	20.000	ng	0.00
86) Perylene-d12	15.604	264	107778	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	218827	46.746	ng	0.00
7) Phenol-d6	6.522	99	250679	43.874	ng	0.00
23) Nitrobenzene-d5	7.463	82	165433	29.540	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	56187	38.569	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	283389	29.188	ng	0.00
79) Terphenyl-d14	13.027	244	304630	23.977	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.804	152	64757	5.043	ng	98
52) Acenaphthene	9.980	154	38551	4.903	ng	99
58) Fluorene	10.492	166	59423	6.250	ng	99
71) Phenanthrene	11.469	178	510578	38.382	ng	99
72) Anthracene	11.516	178	181136	13.872	ng	99
73) Carbazole	11.669	167	61575	5.512	ng	99
75) Fluoranthene	12.663	202	994445	70.427	ng	100
78) Pyrene	12.898	202	960754	51.790	ng	99
81) Benzo(a)anthracene	14.086	228	557518	37.695	ng	96
83) Chrysene	14.121	228	461670	32.870	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	142730	18.028	ng	97
88) Benzo(b)fluoranthene	15.162	252	349043m	44.565	ng	
89) Benzo(k)fluoranthene	15.186	252	131469m	17.229	ng	
90) Benzo(a)pyrene	15.539	252	254675	40.899	ng	97
91) Dibenzo(a,h)anthracene	17.139	278	35201	7.729	ng	# 90
92) Benzo(g,h,i)perylene	17.592	276	140203	20.641	ng	99

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

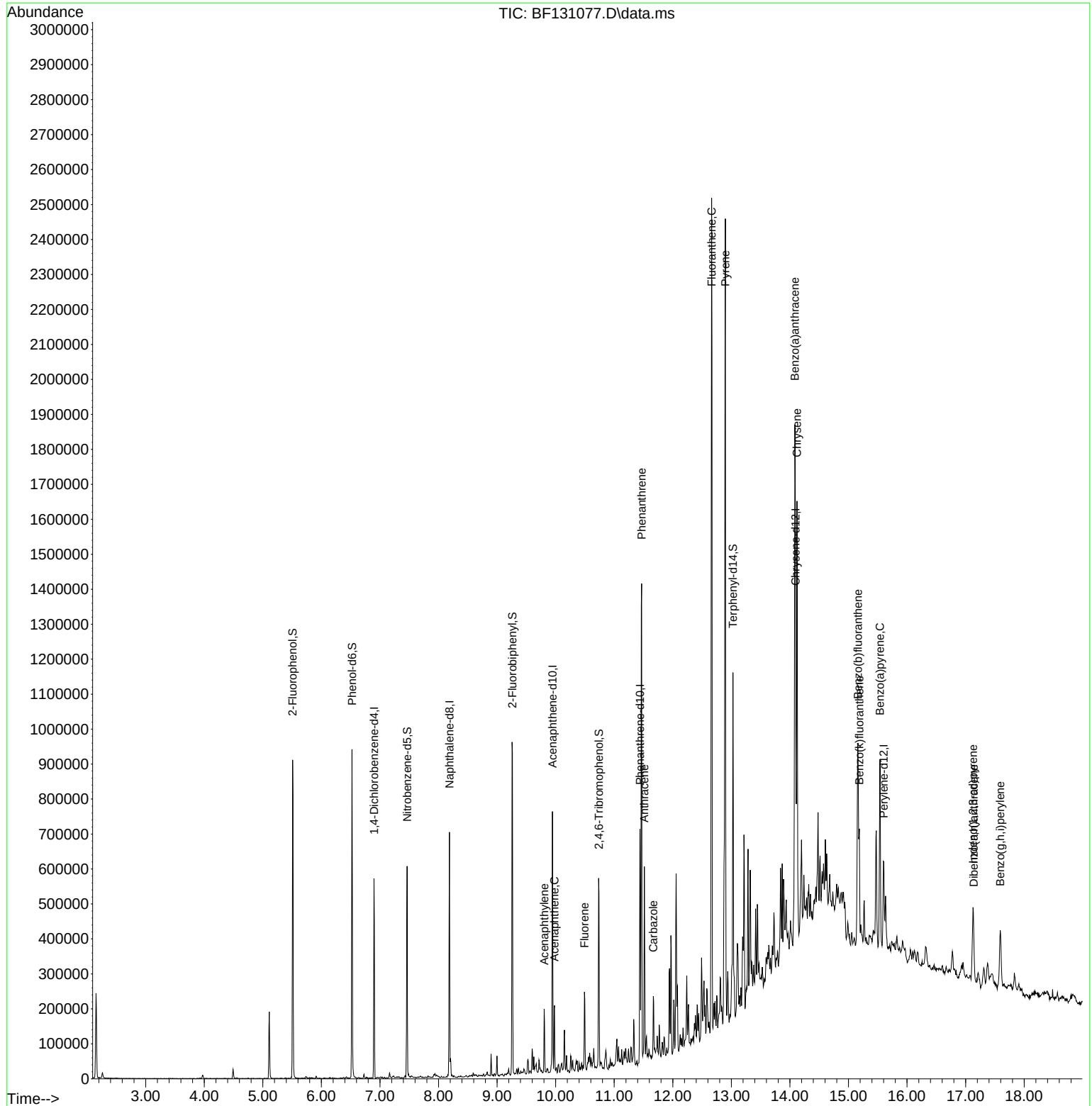
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
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ALS Vial : 22 Sample Multiplier: 1

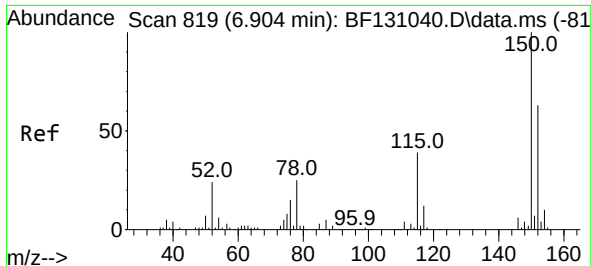
Instrument :
BNA_F
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Quant Time: Nov 09 04:08:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 01:40:43 2022
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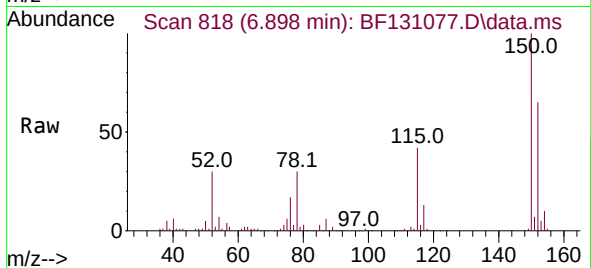
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

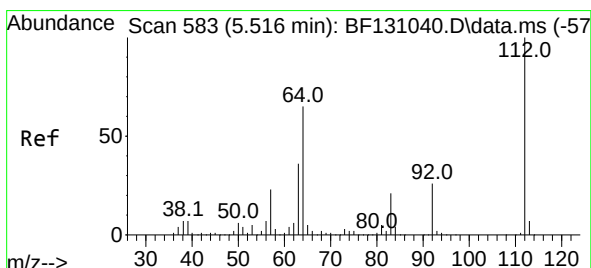
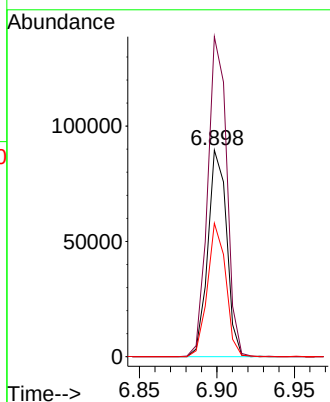
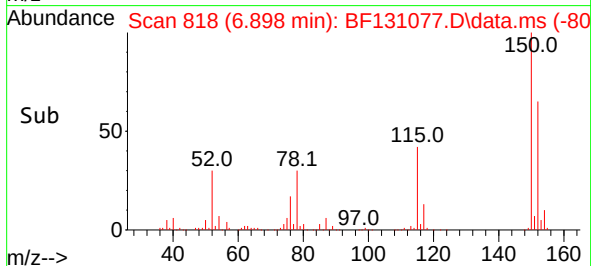
Instrument :
BNA_F
ClientSampleId :
OR-03-110422



Tgt Ion:152 Resp: 75484
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 64.6 49.1 73.7

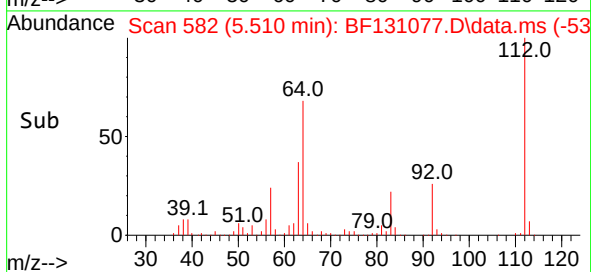
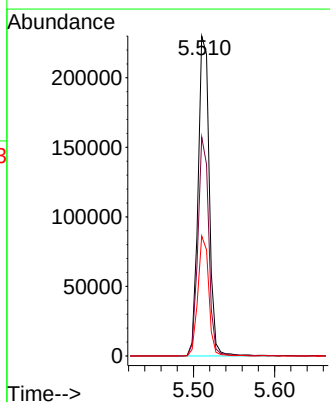
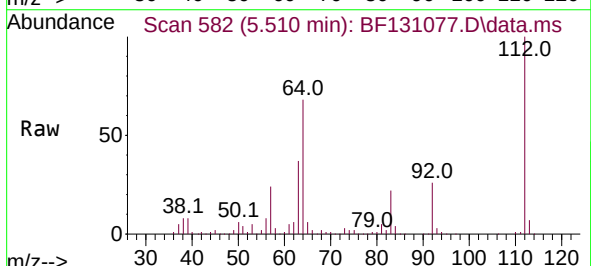
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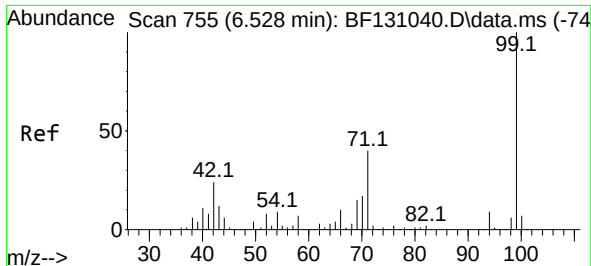
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#5
2-Fluorophenol
Concen: 46.746 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

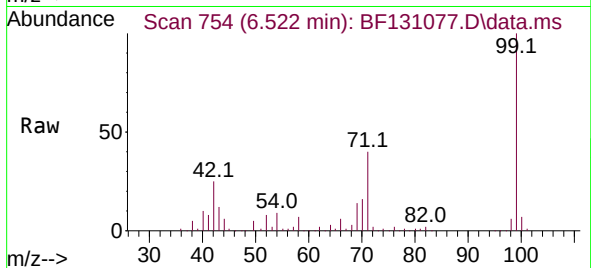
Tgt Ion:112 Resp: 218827
Ion Ratio Lower Upper
112 100
64 68.4 52.2 78.4
63 37.5 29.0 43.4





#7
Phenol-d6
Concen: 43.874 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

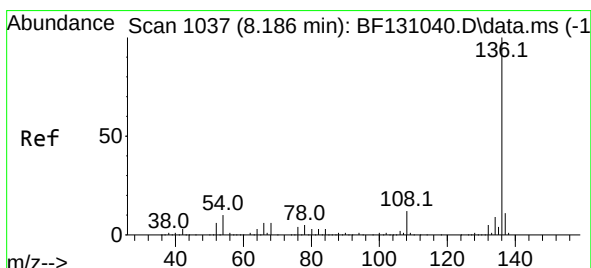
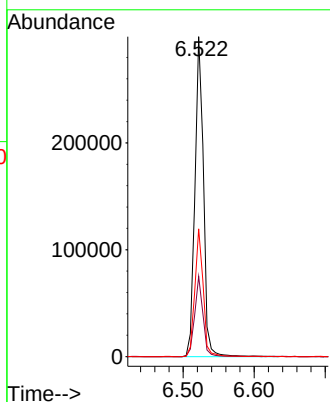
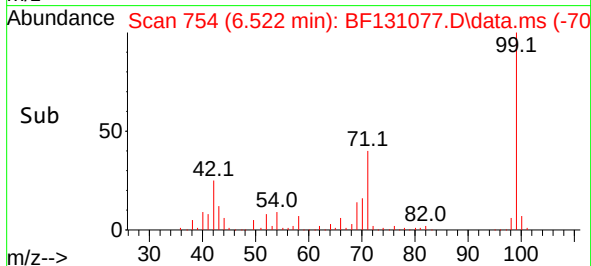
Instrument :
BNA_F
ClientSampleId :
OR-03-110422



Tgt Ion: 99 Resp: 250679
Ion Ratio Lower Upper
99 100
42 25.1 19.4 29.0
71 39.9 31.8 47.8

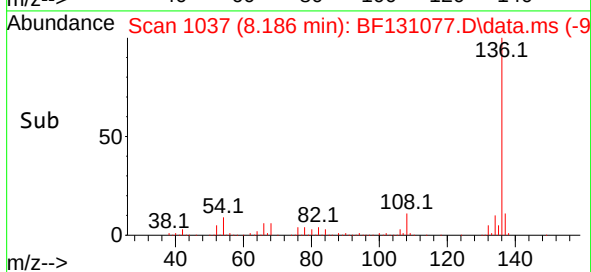
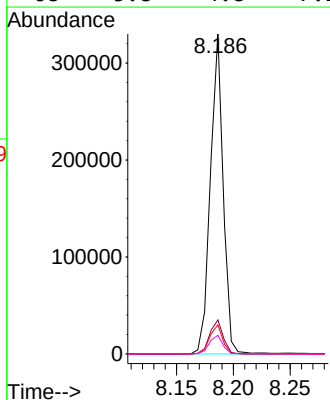
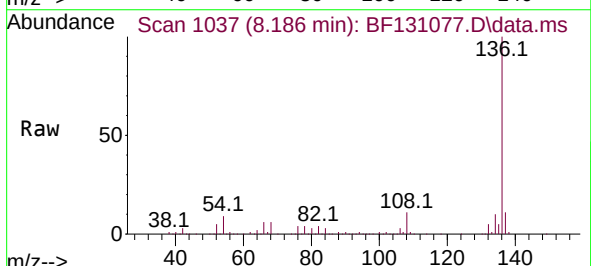
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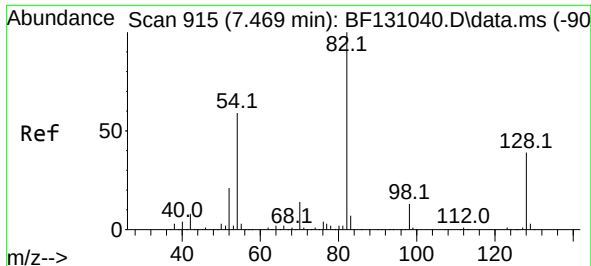
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:136 Resp: 259593
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.1 8.2 12.2
68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 29.540 ng

RT: 7.463 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF131077.D

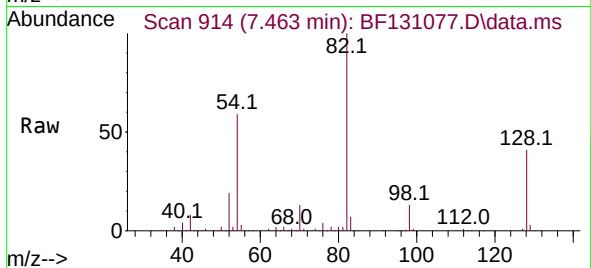
Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422



Tgt Ion: 82 Resp: 165433

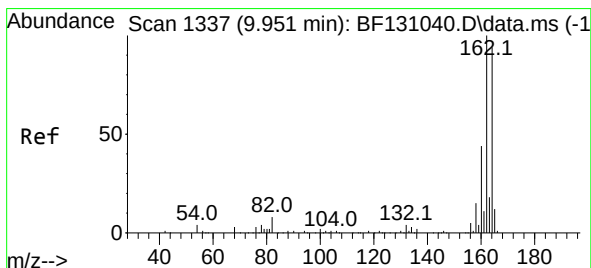
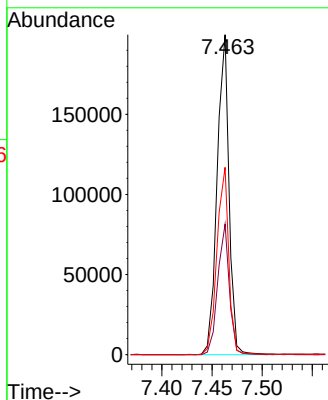
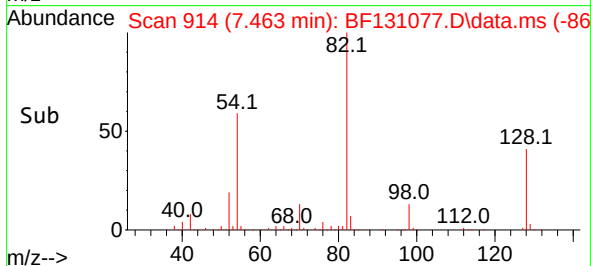
Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	58.5	47.2	70.8

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Supervised By :Jagrut Upadhyay 11/09/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1336

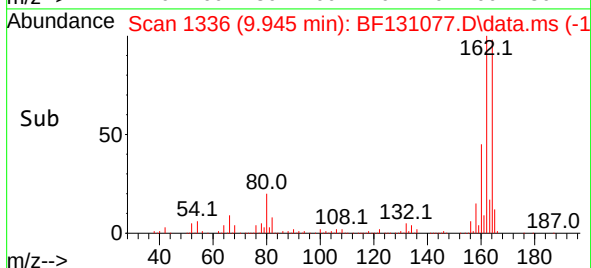
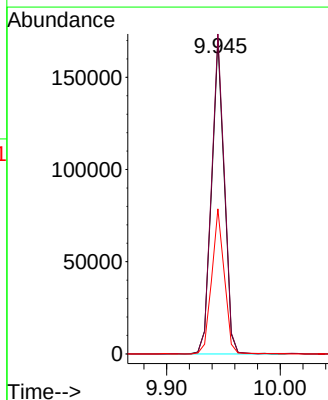
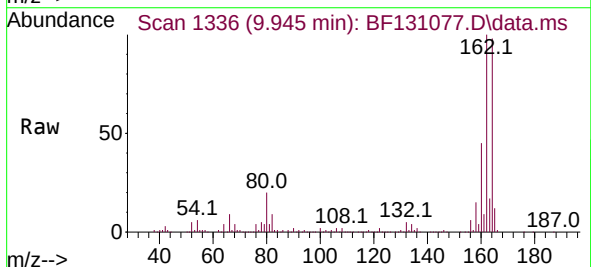
Delta R.T. -0.006 min

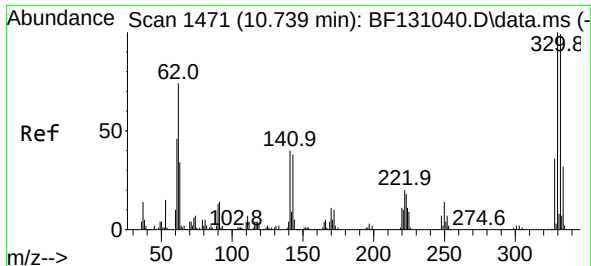
Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Tgt Ion:164 Resp: 132317

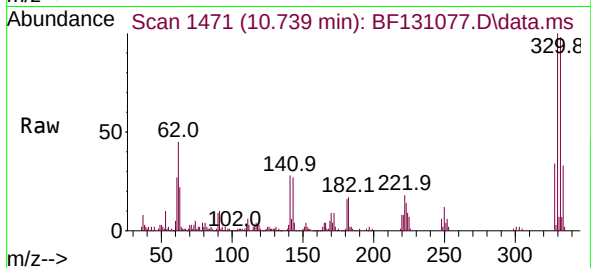
Ion	Ratio	Lower	Upper
164	100		
162	101.9	85.0	127.6
160	46.2	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 38.569 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

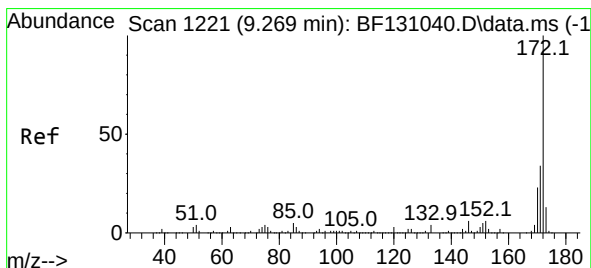
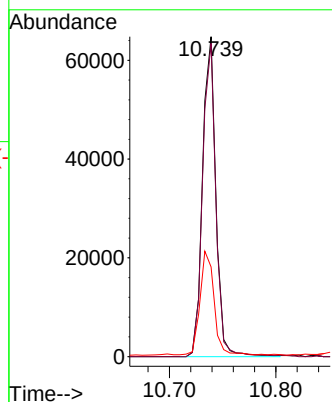
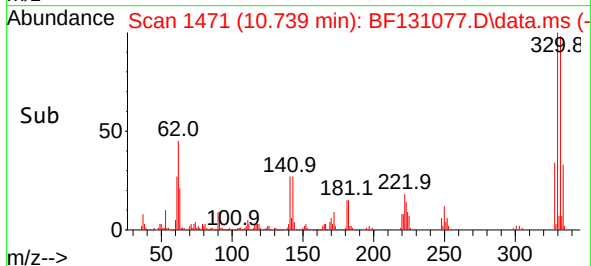
Instrument :
BNA_F
ClientSampleId :
OR-03-110422



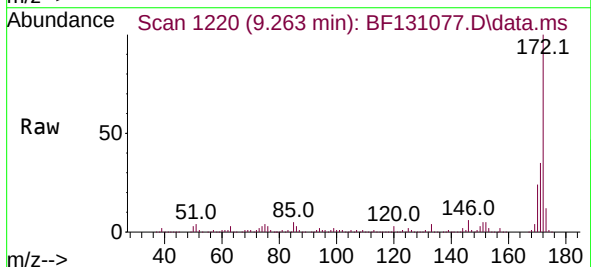
Tgt Ion: 330 Resp: 5618
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 34.9 28.3 42.5

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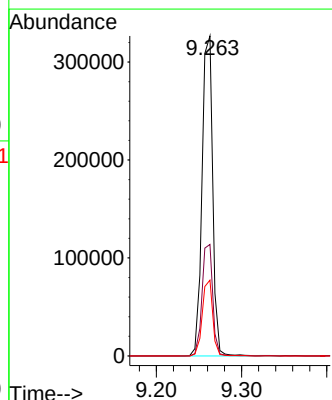
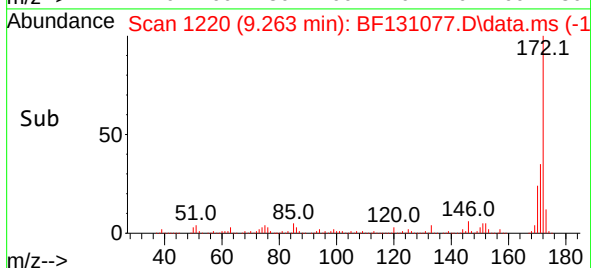
Reviewed By : Christian Giraldo 11/09/2022
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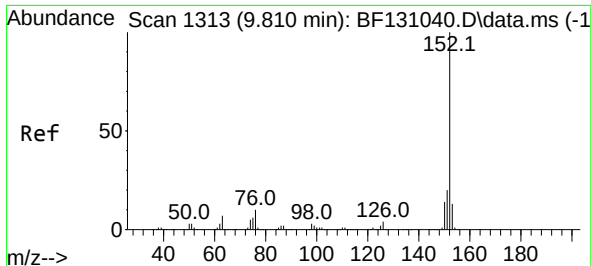


#45
2-Fluorobiphenyl
Concen: 29.188 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34



Tgt Ion: 172 Resp: 283389
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.7 18.4 27.6





#49

Acenaphthylene

Concen: 5.043 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422

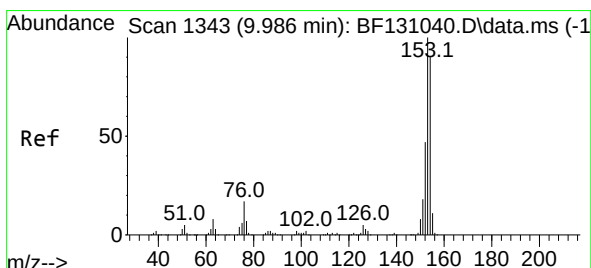
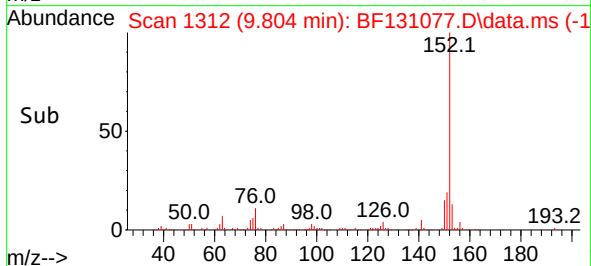
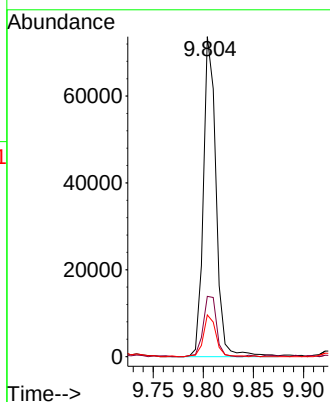
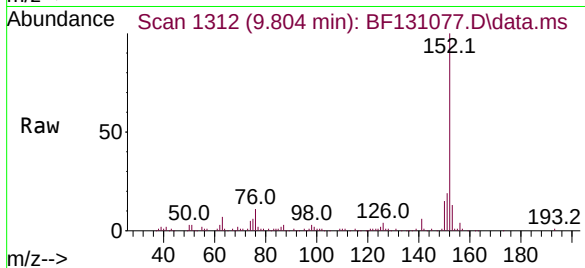
Tgt Ion:152	Resp:	6475
Ion Ratio	Lower	Upper
152	100	
151	18.8	16.2 24.4
153	13.0	10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#52

Acenaphthene

Concen: 4.903 ng

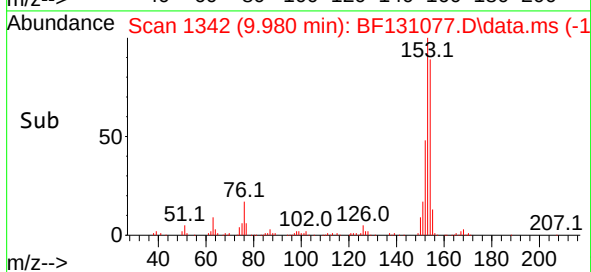
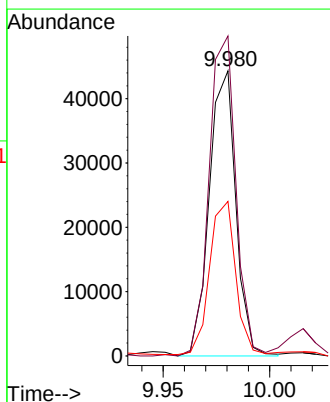
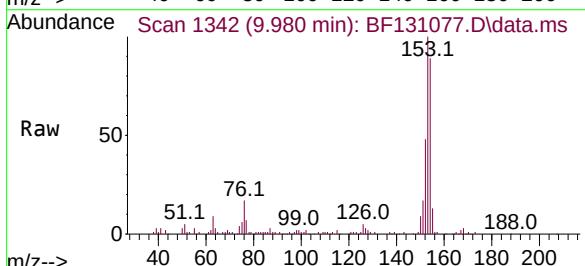
RT: 9.980 min Scan# 1342

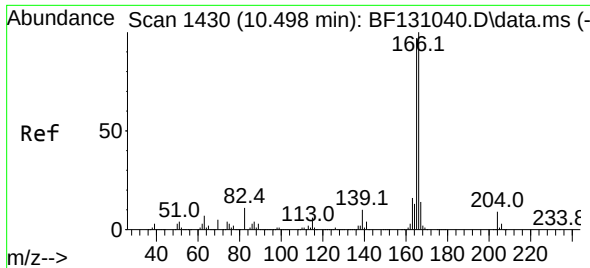
Delta R.T. -0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Tgt Ion:154	Resp:	38551
Ion Ratio	Lower	Upper
154	100	
153	112.3	89.0 133.6
152	54.2	42.1 63.1





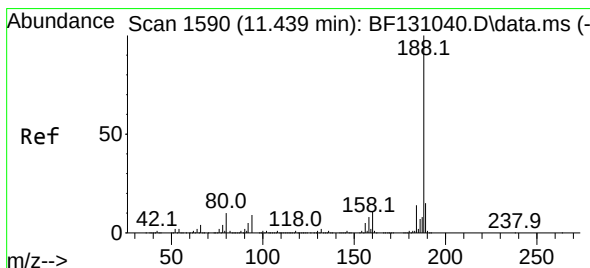
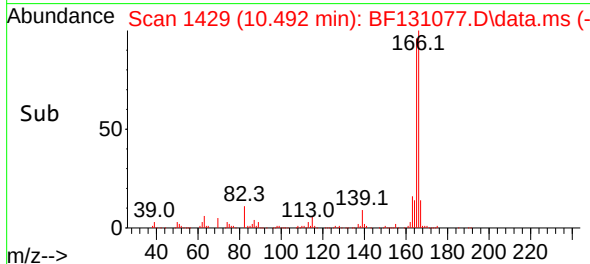
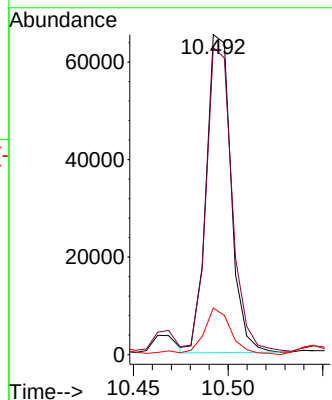
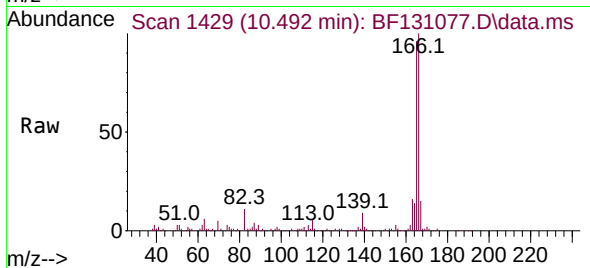
#58
Fluorene
Concen: 6.250 ng
RT: 10.492 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Instrument :
BNA_F
ClientSampleId :
OR-03-110422

Tgt Ion:166 Resp: 59423
Ion Ratio Lower Upper
166 100
165 96.0 77.2 115.8
167 14.6 10.8 16.2

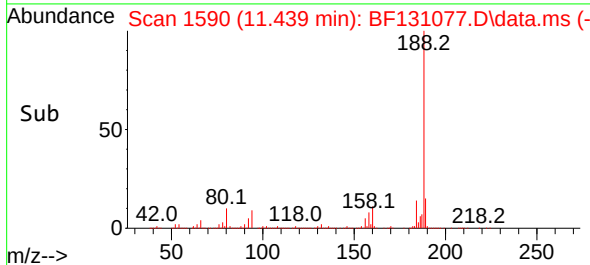
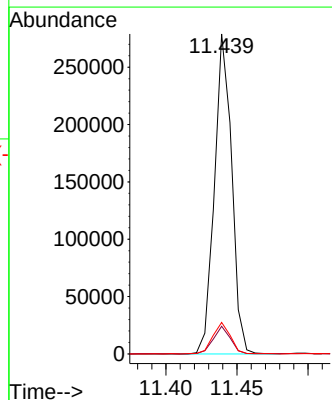
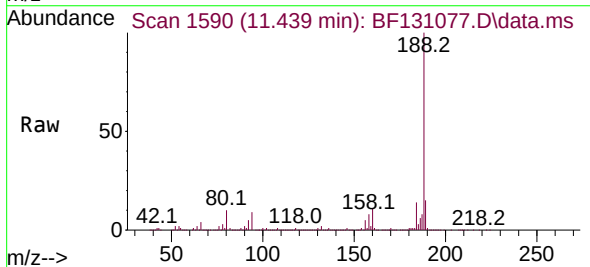
Manual Integrations
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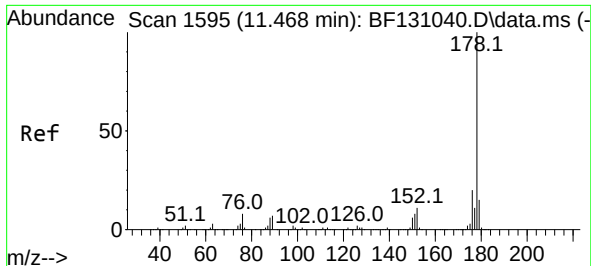
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

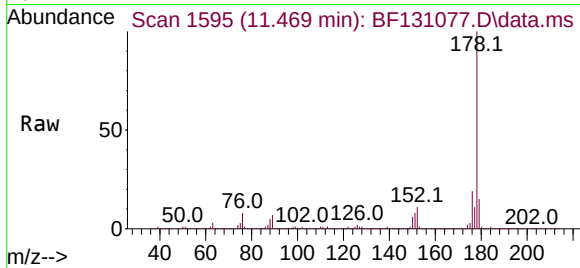
Tgt Ion:188 Resp: 236171
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.8 8.1 12.1





#71
Phenanthrene
Concen: 38.382 ng
RT: 11.469 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

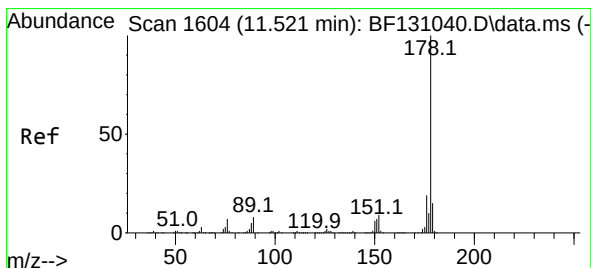
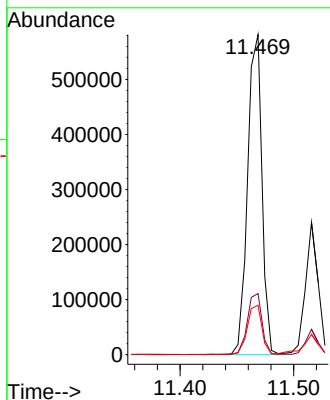
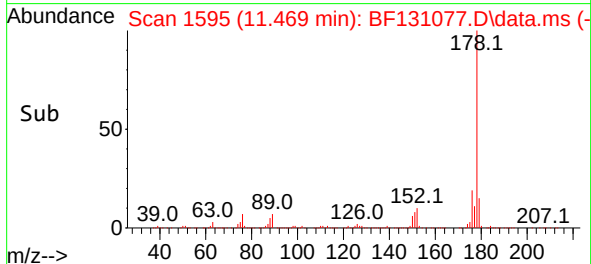
Instrument :
BNA_F
ClientSampleId :
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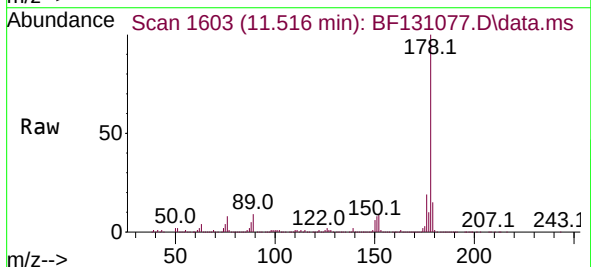
Tgt Ion:178 Resp: 510578
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.4 12.3 18.5

Manual Integrations
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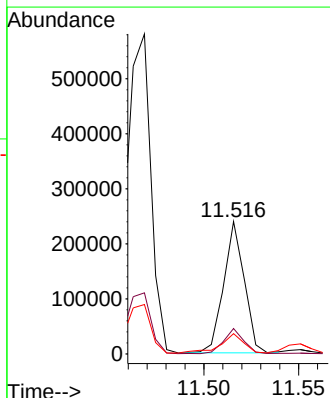
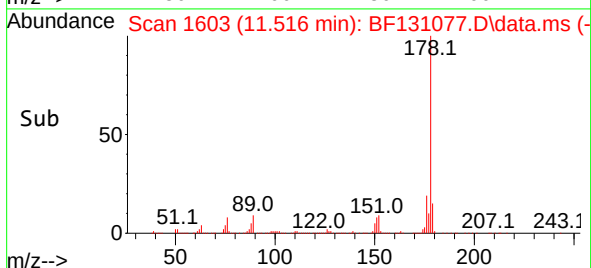
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

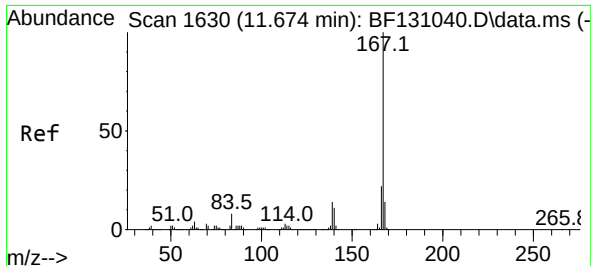


#72
Anthracene
Concen: 13.872 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34



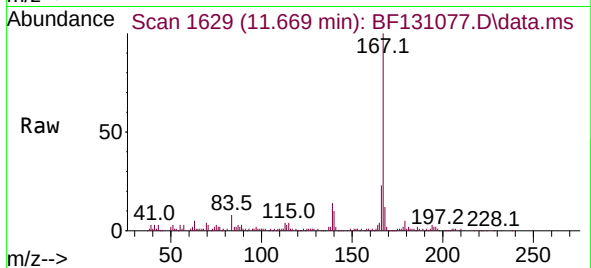
Tgt Ion:178 Resp: 181136
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.4
179 15.3 12.4 18.6





#73
 Carbazole
 Concen: 5.512 ng
 RT: 11.669 min Scan# 1629
 Delta R.T. -0.006 min
 Lab File: BF131077.D
 Acq: 08 Nov 2022 20:34

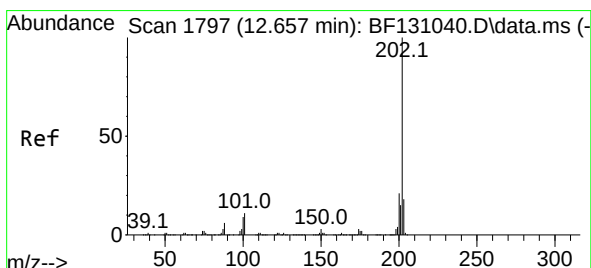
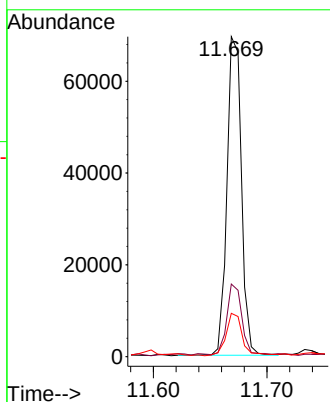
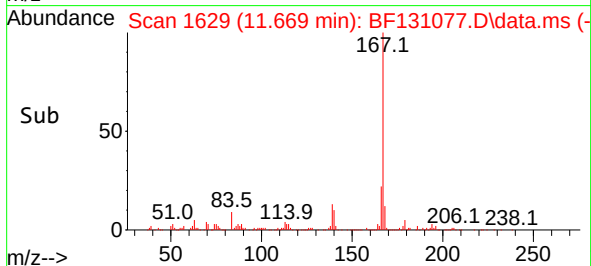
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-110422



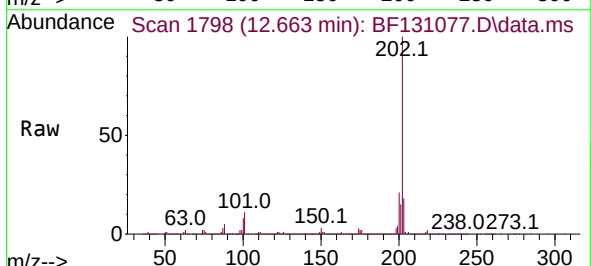
Tgt Ion:167 Resp: 61575
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.4 26.2
 139 13.5 11.0 16.4

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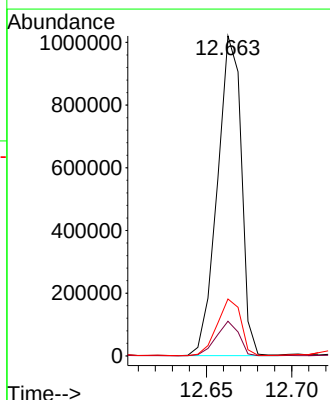
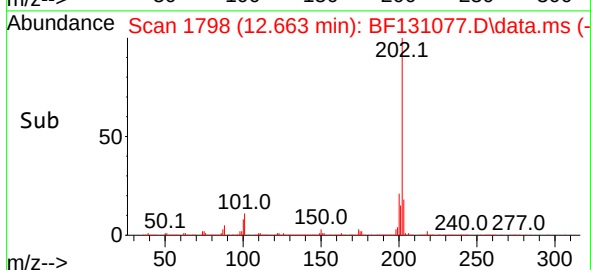
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022

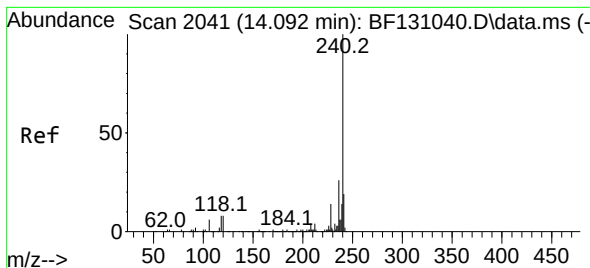


#75
 Fluoranthene
 Concen: 70.427 ng
 RT: 12.663 min Scan# 1798
 Delta R.T. 0.006 min
 Lab File: BF131077.D
 Acq: 08 Nov 2022 20:34



Tgt Ion:202 Resp: 994445
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.9
 203 17.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2042

Delta R.T. 0.006 min

Lab File: BF131077.D

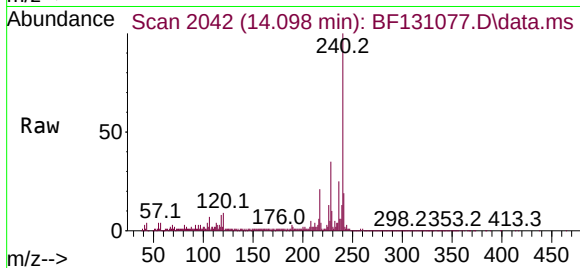
Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422



Tgt Ion:240 Resp: 203694

Ion Ratio Lower Upper

240 100

120 9.2 6.7 10.1

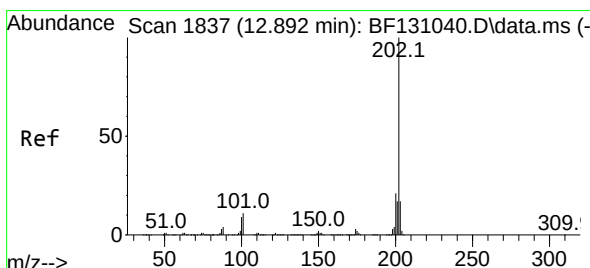
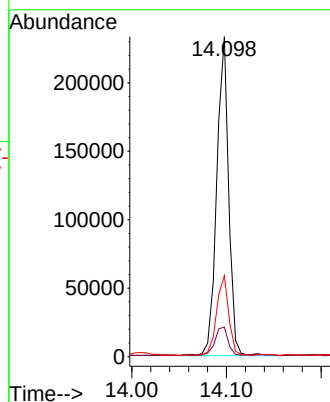
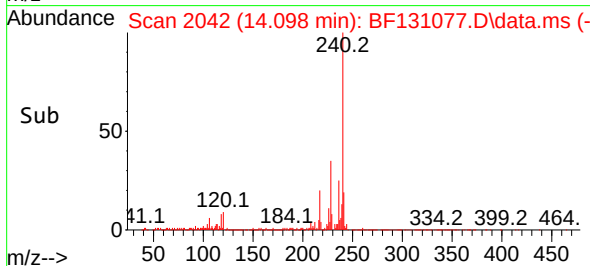
236 25.3 20.8 31.2

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Reviewed By :Christian Giraldo 11/09/2022

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#78

Pyrene

Concen: 51.790 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

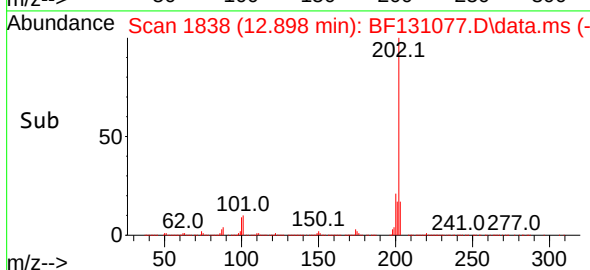
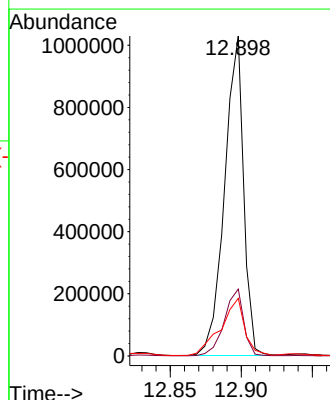
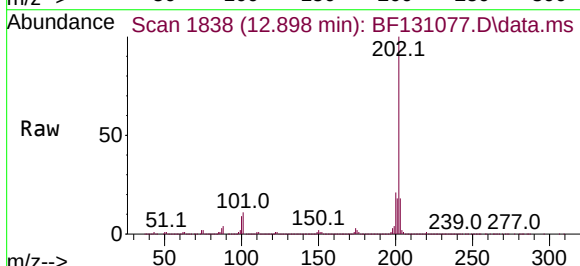
Tgt Ion:202 Resp: 960754

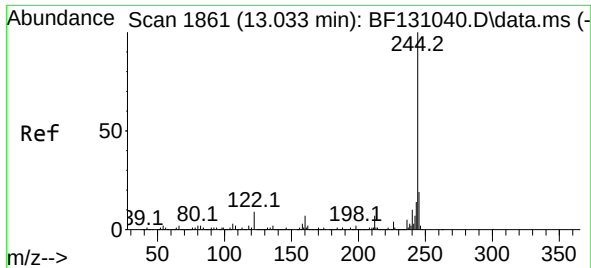
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.0 13.8 20.8





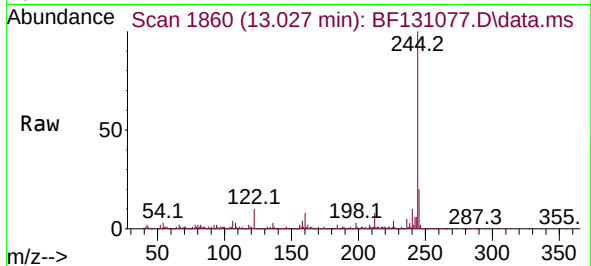
#79
 Terphenyl-d14
 Concen: 23.977 ng
 RT: 13.027 min Scan# 1861
 Delta R.T. -0.006 min
 Lab File: BF131077.D
 Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422

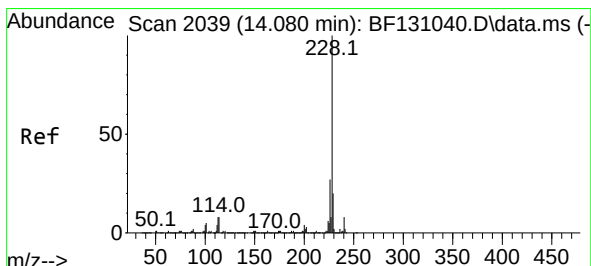
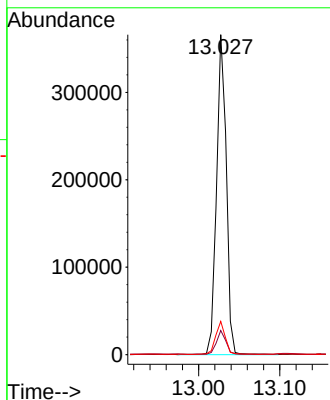
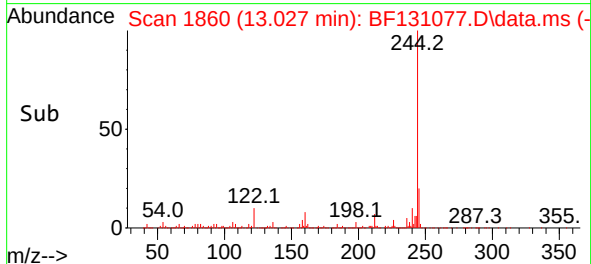


Tgt Ion:244 Resp: 304630
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 10.4 7.0 10.4

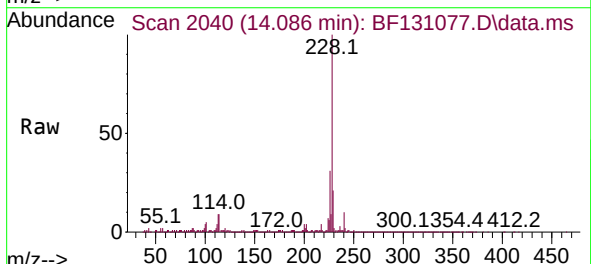
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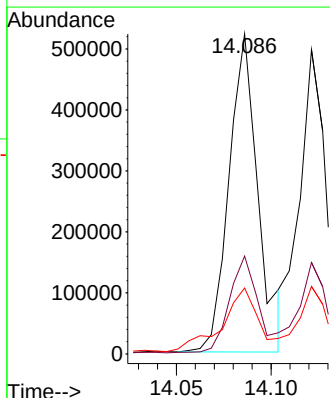
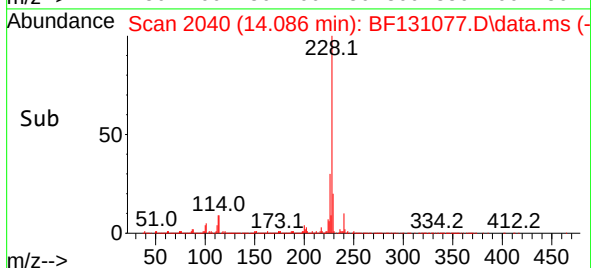
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022

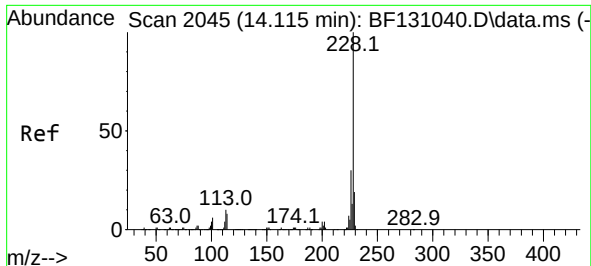


#81
 Benzo(a)anthracene
 Concen: 37.695 ng
 RT: 14.086 min Scan# 2040
 Delta R.T. 0.006 min
 Lab File: BF131077.D
 Acq: 08 Nov 2022 20:34



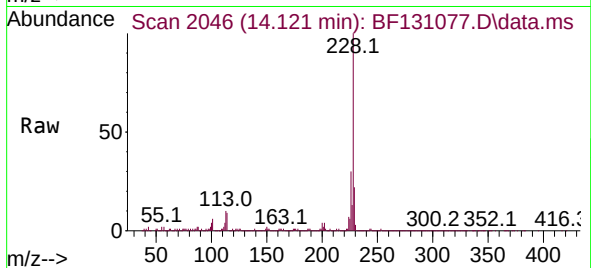
Tgt Ion:228 Resp: 557518
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.8 32.8
 229 20.6 15.8 23.6





#83
Chrysene
Concen: 32.870 ng
RT: 14.121 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

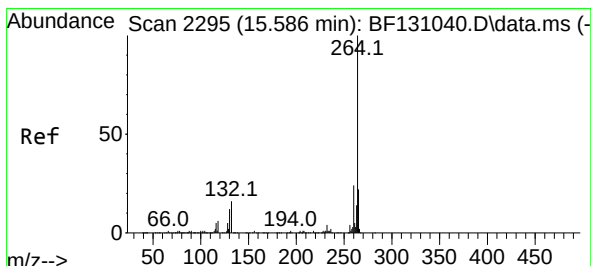
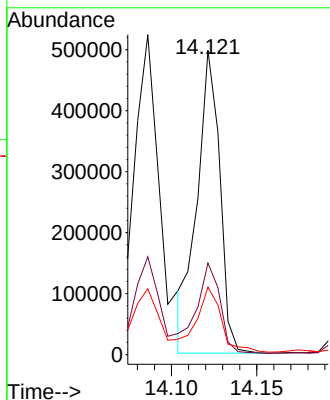
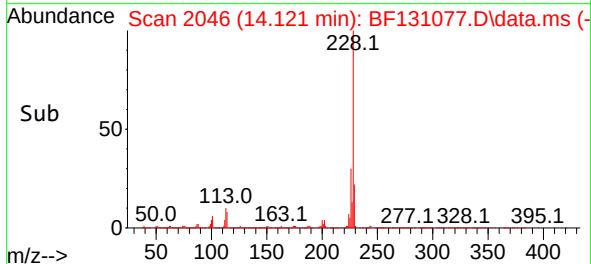
Instrument :
BNA_F
ClientSampleId :
OR-03-110422



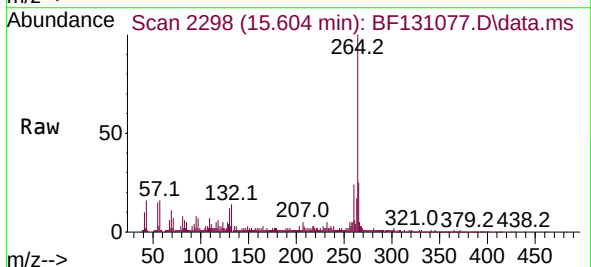
Tgt Ion:228 Resp: 461670
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 22.2 15.4 23.0

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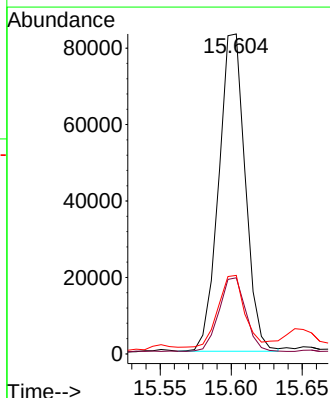
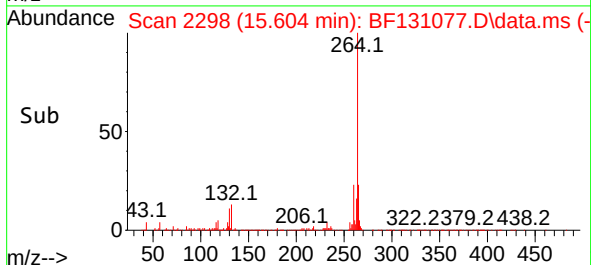
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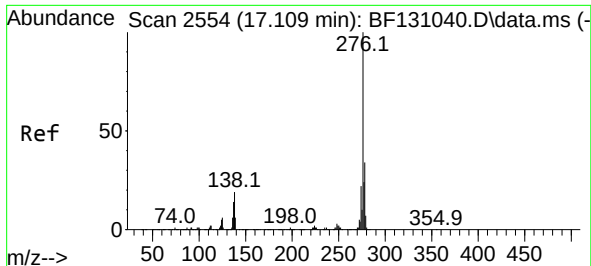


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.604 min Scan# 2298
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34



Tgt Ion:264 Resp: 107778
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 24.5 17.3 25.9





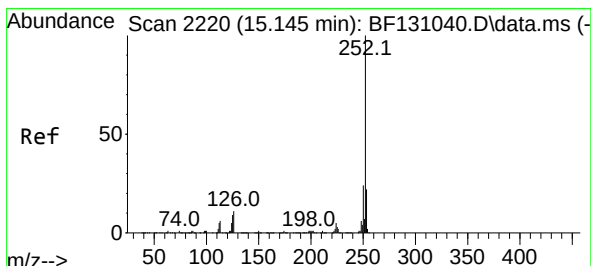
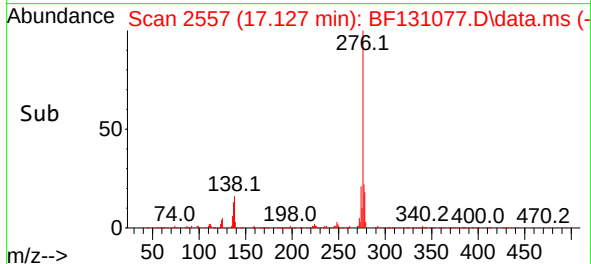
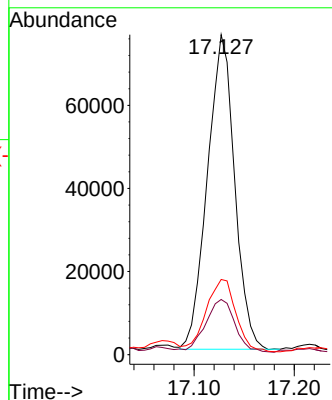
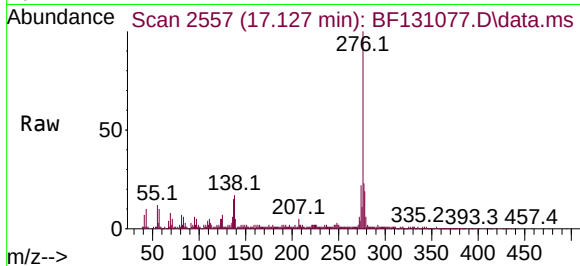
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.028 ng
RT: 17.127 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Instrument :
BNA_F
ClientSampleId :
OR-03-110422

Tgt Ion:276 Resp: 142730
Ion Ratio Lower Upper
276 100
138 18.3 17.3 25.9
277 25.4 20.2 30.4

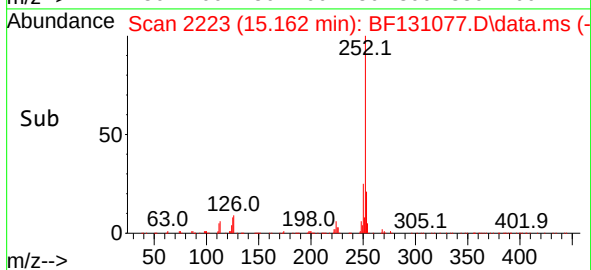
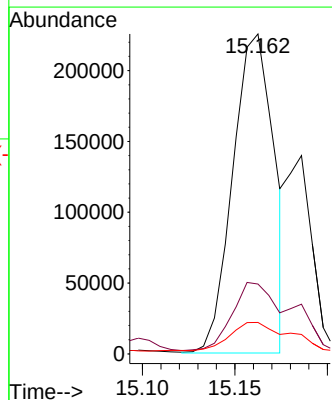
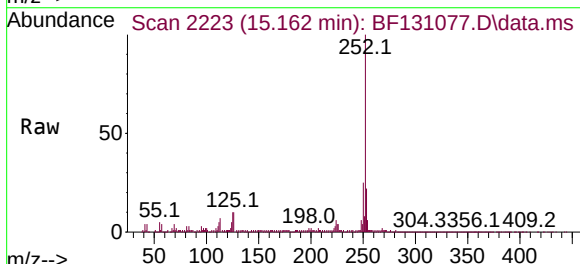
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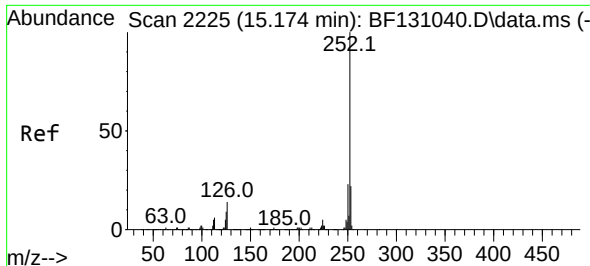
Reviewed By :Christian Giraldo 11/09/2022
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#88
Benzo(b)fluoranthene
Concen: 44.565 ng m
RT: 15.162 min Scan# 2223
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:252 Resp: 349043
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 9.8 7.1 10.7





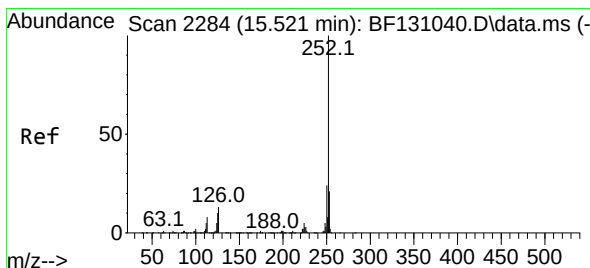
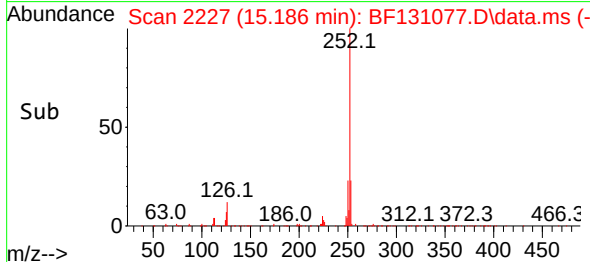
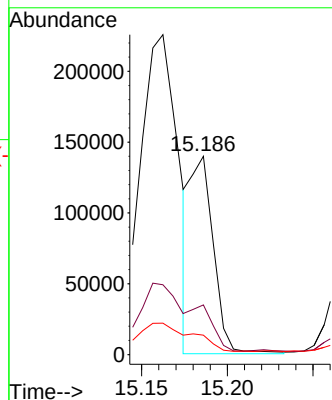
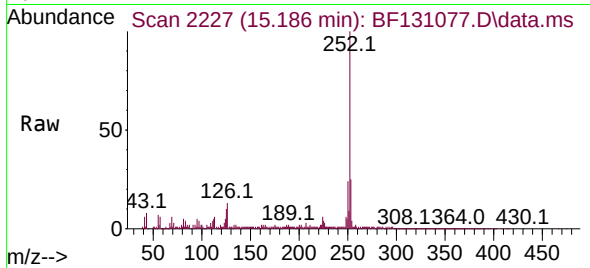
#89
Benzo(k)fluoranthene
Concen: 17.229 ng m
RT: 15.186 min Scan# 2227
Delta R.T. 0.012 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Instrument :
BNA_F
ClientSampleId :
OR-03-110422

Tgt Ion:252 Resp: 131469
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 9.8 7.2 10.8

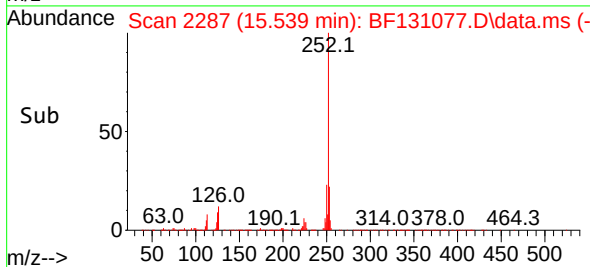
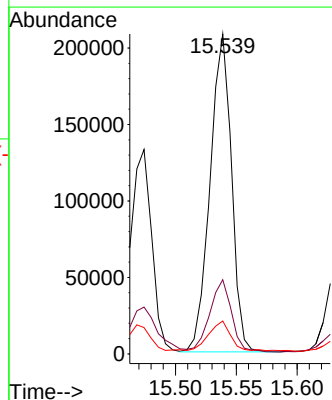
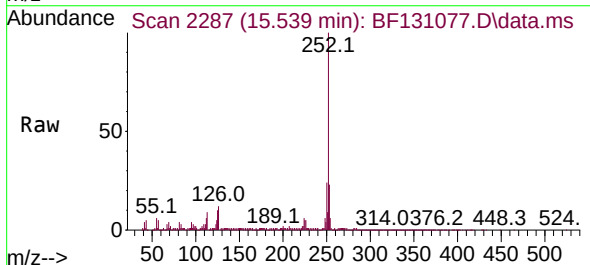
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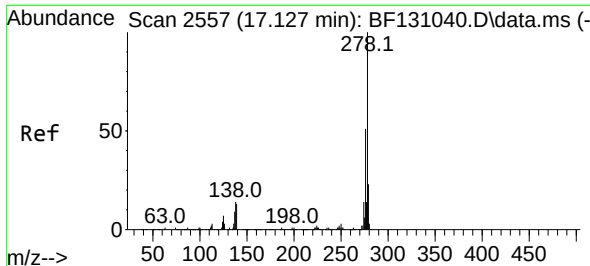
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#90
Benzo(a)pyrene
Concen: 40.899 ng
RT: 15.539 min Scan# 2287
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:252 Resp: 254675
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 10.3 7.9 11.9





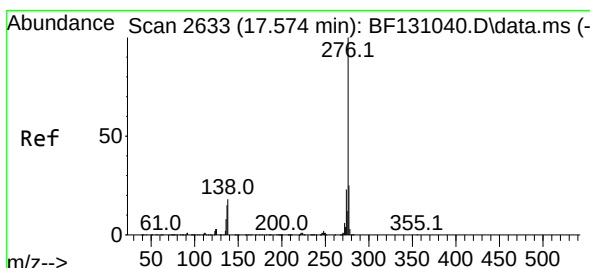
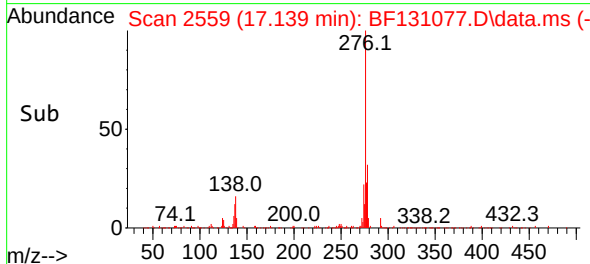
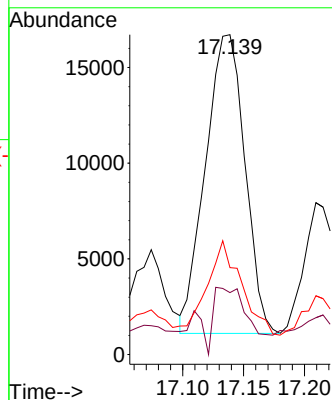
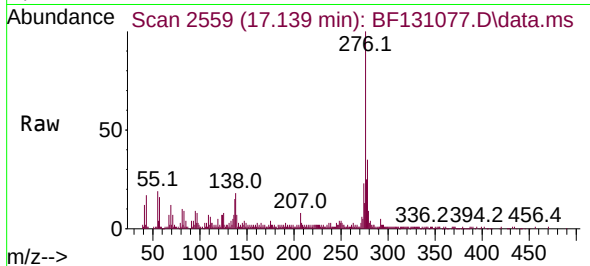
#91
Dibenzo(a,h)anthracene
Concen: 7.729 ng
RT: 17.139 min Scan# 2557
Delta R.T. 0.012 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Instrument :
BNA_F
ClientSampleId :
OR-03-110422

Tgt Ion:278 Resp: 35203
Ion Ratio Lower Upper
278 100
139 19.4 10.8 16.2
279 27.2 18.7 28.1

Manual Integrations
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Supervised By :Jagrut Upadhyay 11/09/2022



#92
Benzo(g,h,i)perylene
Concen: 20.641 ng
RT: 17.592 min Scan# 2636
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:276 Resp: 140203
Ion Ratio Lower Upper
276 100
277 25.1 20.0 30.0
138 17.8 14.8 22.2

