

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130752.D
 Acq On : 21 Oct 2022 18:55
 Operator : CG\JU
 Sample : N5184-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/24/2022
 Supervised By : Jagrut Upadhyay 10/24/2022

Quant Time: Oct 21 22:56:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	75082	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	228612	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	122058	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	178784	20.000	ng	0.00
76) Chrysene-d12	13.710	240	132155	20.000	ng	0.00
86) Perylene-d12	15.092	264	99872	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	556388	127.785	ng	0.00
7) Phenol-d6	6.222	99	675336	128.194	ng	0.00
23) Nitrobenzene-d5	7.134	82	347048	80.530	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	112662	97.058	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	639851	79.887	ng	0.00
79) Terphenyl-d14	12.657	244	544958	69.491	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.622	154	21180	3.266	ng	99
55) Dibenzofuran	9.798	168	27355	2.741	ng	# 95
58) Fluorene	10.139	166	32024	3.858	ng	# 97
71) Phenanthrene	11.098	178	439693	44.848	ng	100
72) Anthracene	11.151	178	125900	12.869	ng	99
73) Carbazole	11.316	167	53788	5.955	ng	98
75) Fluoranthene	12.286	202	581671	58.687	ng	99
78) Pyrene	12.510	202	470689	42.432	ng	99
81) Benzo(a)anthracene	13.698	228	225282	25.512	ng	97
83) Chrysene	13.733	228	183349	21.430	ng	96
87) Indeno(1,2,3-cd)pyrene	16.404	276	55970	7.814	ng	# 94
88) Benzo(b)fluoranthene	14.716	252	173068m	26.026	ng	
89) Benzo(k)fluoranthene	14.739	252	66377m	9.935	ng	
90) Benzo(a)pyrene	15.039	252	121972	22.837	ng	# 91
91) Dibenzo(a,h)anthracene	16.398	278	15514	2.621	ng	# 58
92) Benzo(g,h,i)perylene	16.792	276	51947	8.751	ng	# 87

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

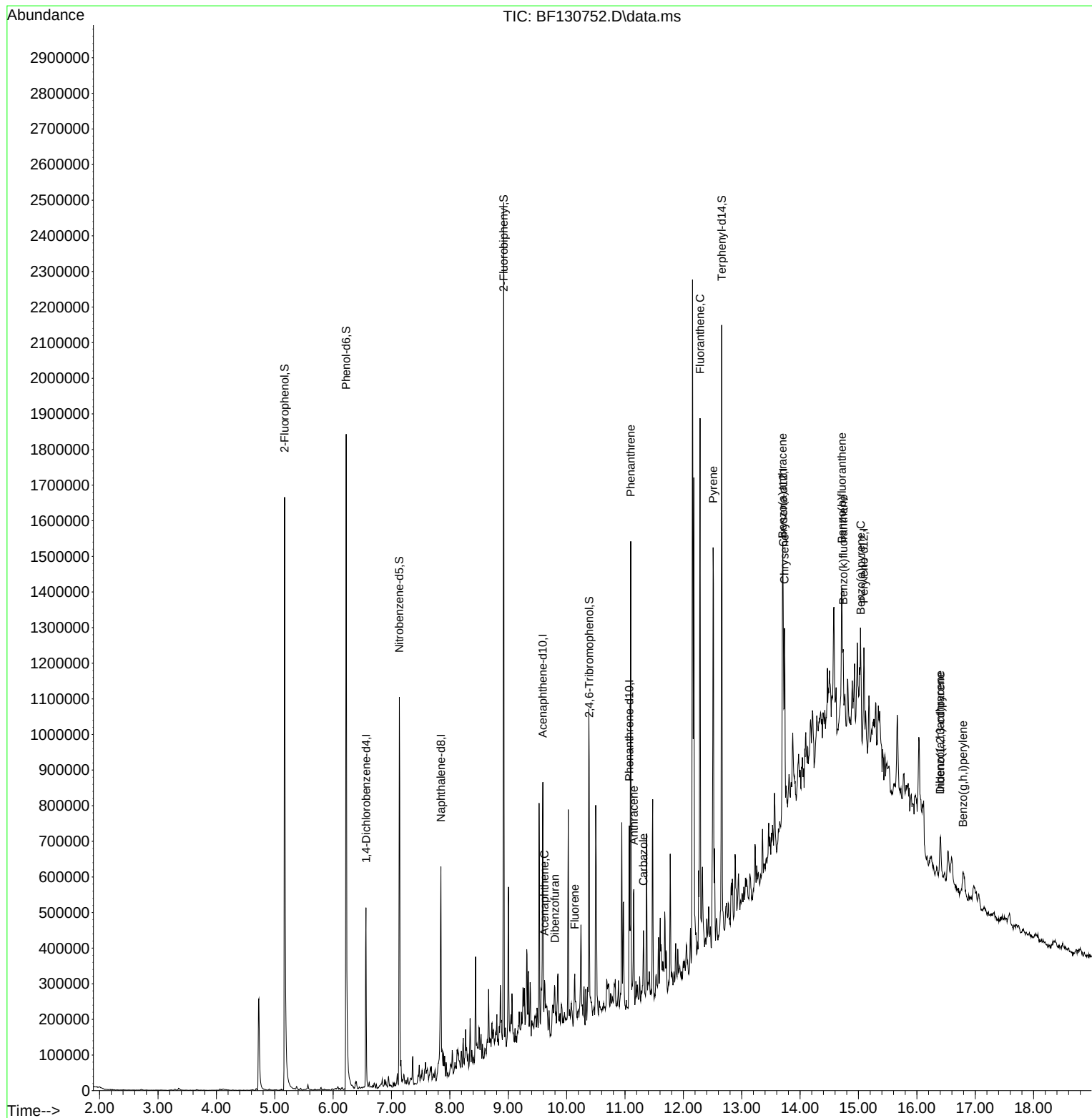
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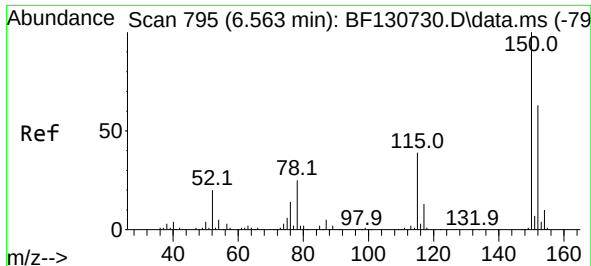
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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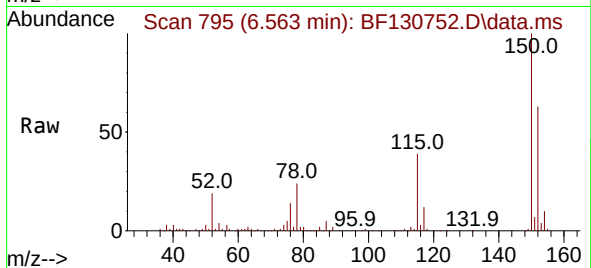
Reviewed By : Christian Giraldo 10/24/2022
Supervised By : Jagrut Upadhyay 10/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

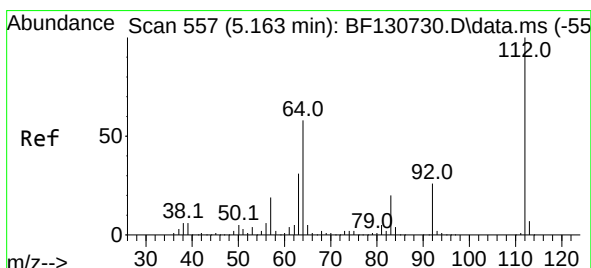
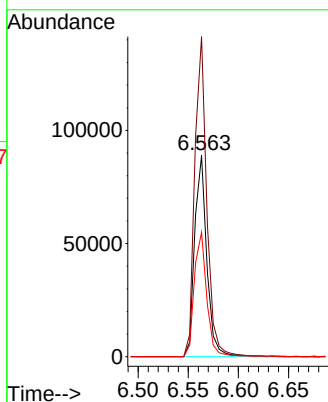
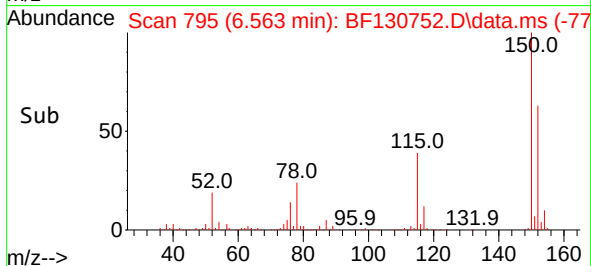
Instrument :
BNA_F
ClientSampleId :
EO-02-101822



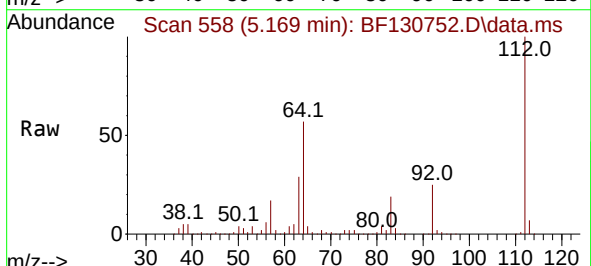
Tgt Ion:152 Resp: 75082
Ion Ratio Lower Upper
152 100
150 159.0 127.0 190.6
115 61.9 49.9 74.9

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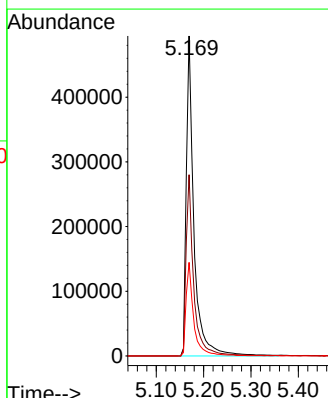
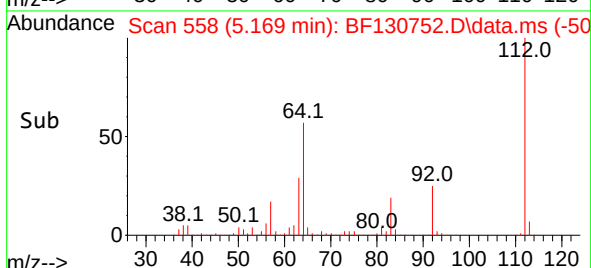
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Supervised By :Jagrut Upadhyay 10/24/2022

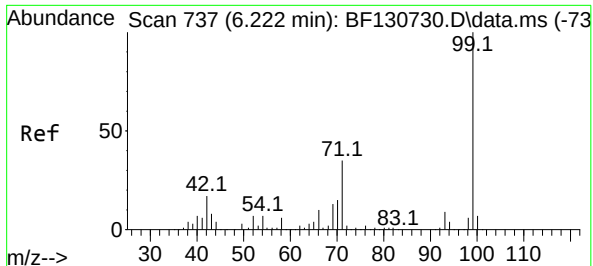


#5
2-Fluorophenol
Concen: 127.785 ng
RT: 5.169 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55



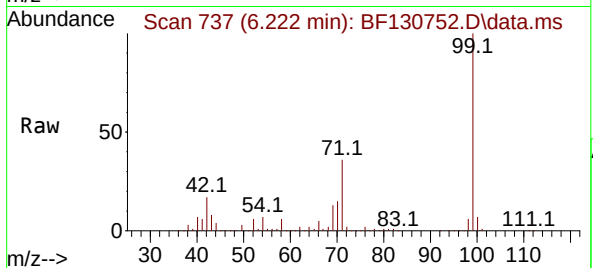
Tgt Ion:112 Resp: 556388
Ion Ratio Lower Upper
112 100
64 56.6 46.2 69.4
63 29.3 25.1 37.7





#7
Phenol-d6
Concen: 128.194 ng
RT: 6.222 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

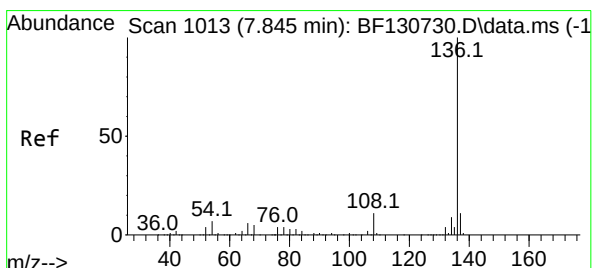
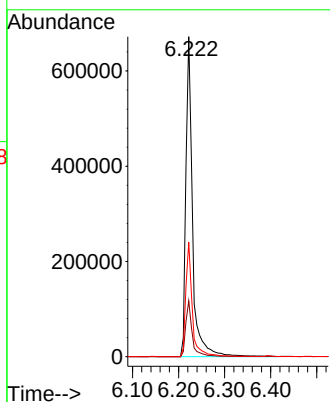
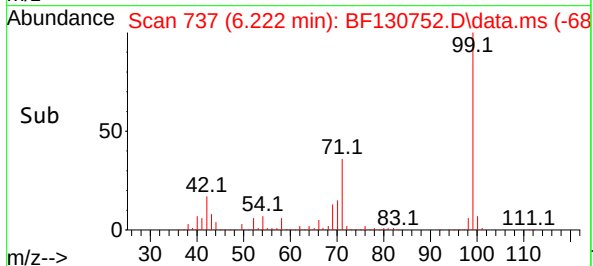
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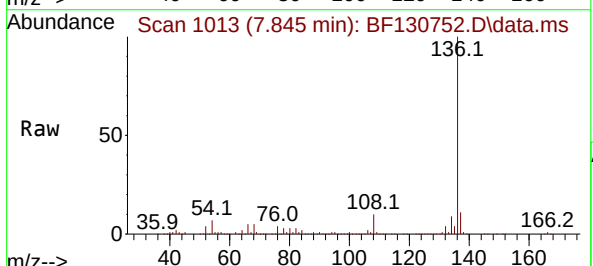
Tgt Ion: 99 Resp: 675330
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.8
71 35.8 28.3 42.5

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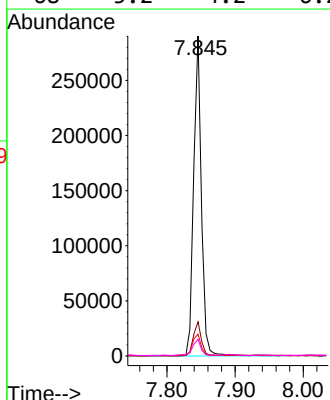
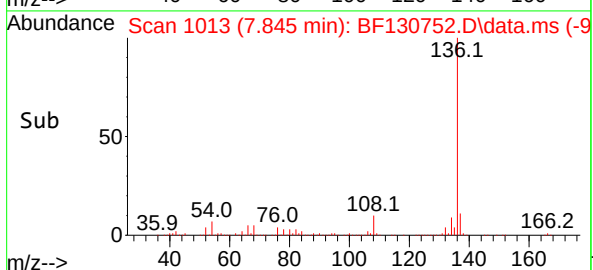
Reviewed By :Christian Giraldo 10/24/2022
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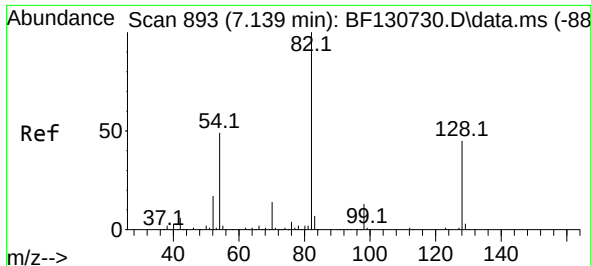


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55



Tgt Ion:136 Resp: 228612
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.8 5.8 8.8
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 80.530 ng

RT: 7.134 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF130752.D

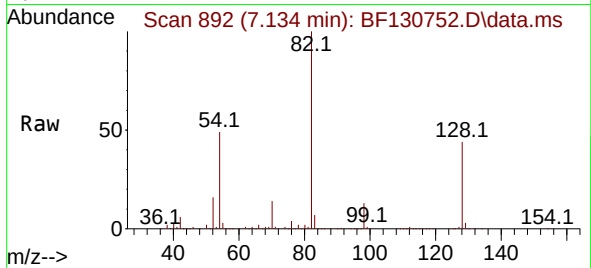
Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822



Tgt Ion: 82 Resp: 34704

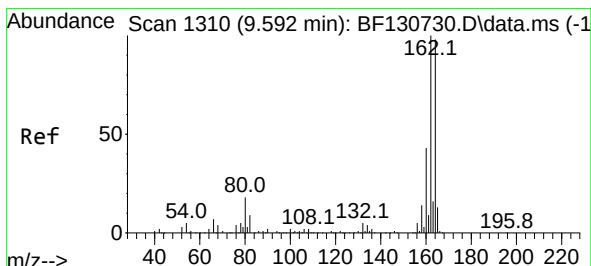
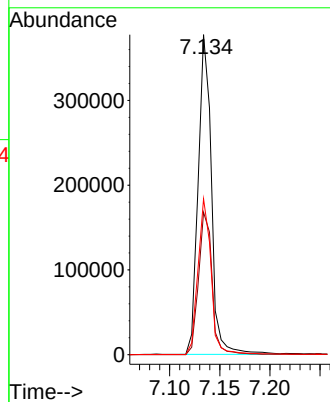
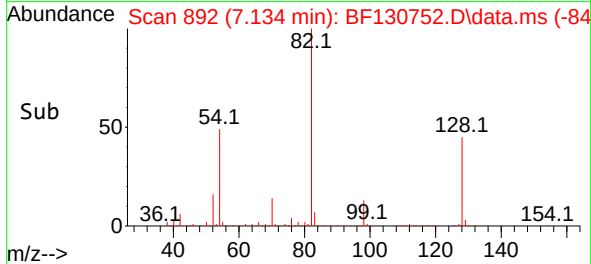
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.9	53.9
54	48.7	39.2	58.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.592 min Scan# 1310

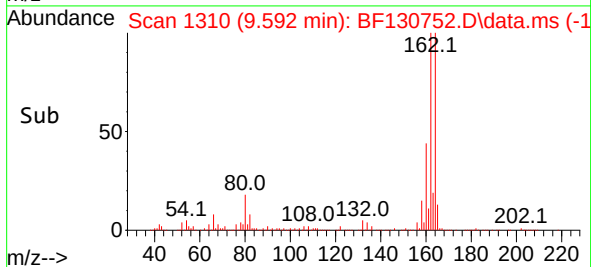
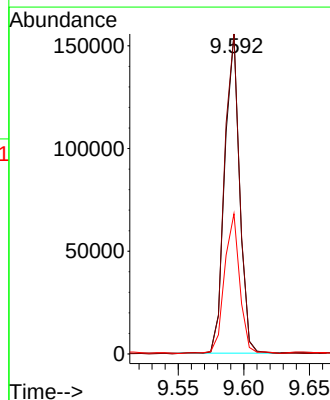
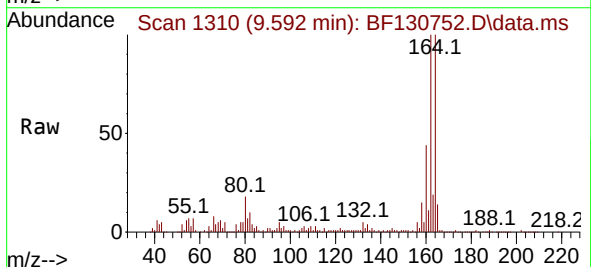
Delta R.T. 0.000 min

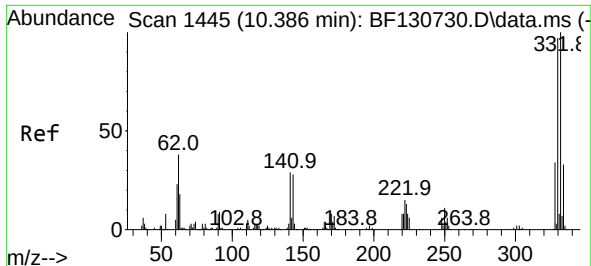
Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Tgt Ion:164 Resp: 122058

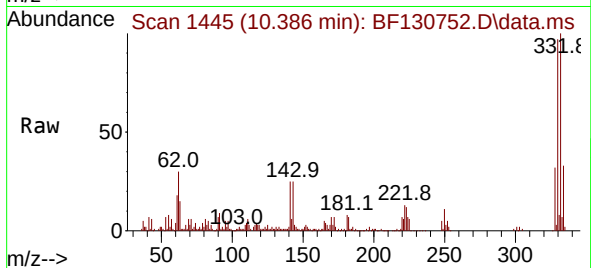
Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.4	122.0
160	43.8	35.0	52.4





#42
2,4,6-Tribromophenol
Concen: 97.058 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

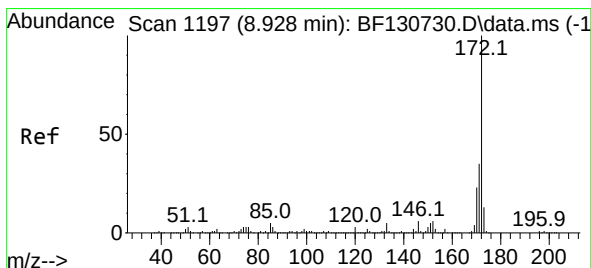
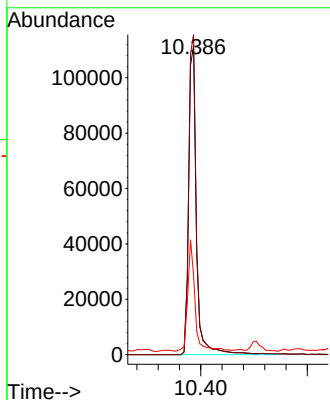
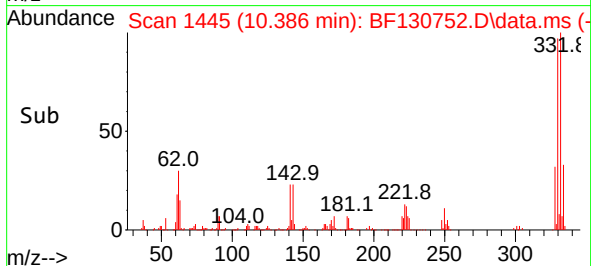
Instrument :
BNA_F
ClientSampleId :
EO-02-101822



Tgt Ion:330 Resp: 112662
Ion Ratio Lower Upper
330 100
332 103.0 81.4 122.2
141 33.5 24.6 37.0

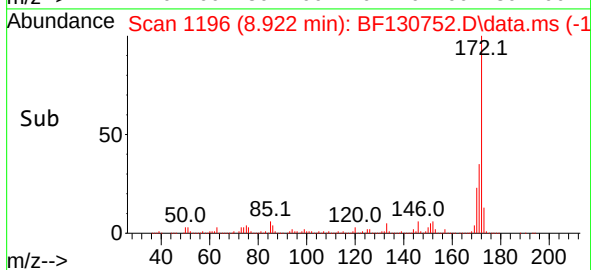
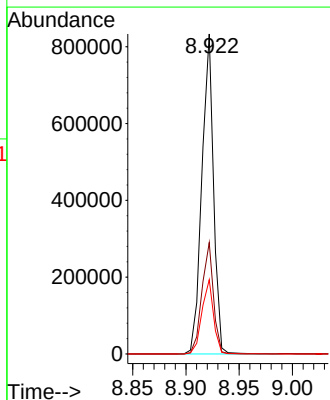
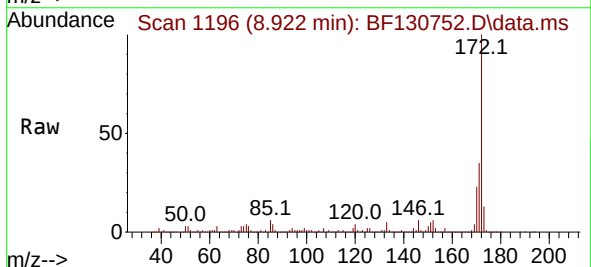
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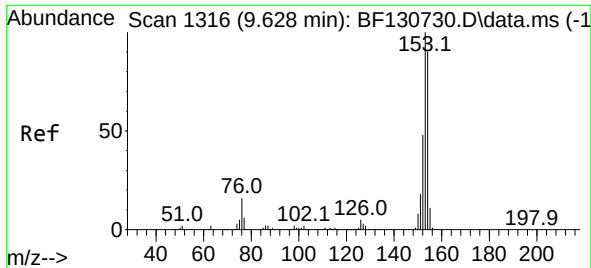
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#45
2-Fluorobiphenyl
Concen: 79.887 ng
RT: 8.922 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

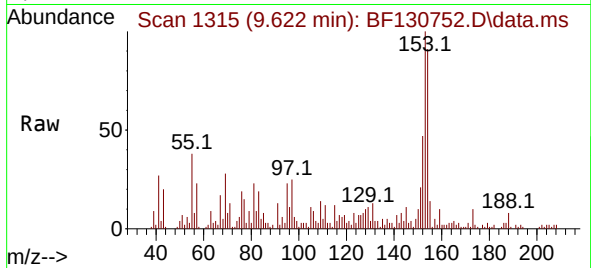
Tgt Ion:172 Resp: 639851
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.2 18.5 27.7





#52
Acenaphthene
Concen: 3.266 ng
RT: 9.622 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

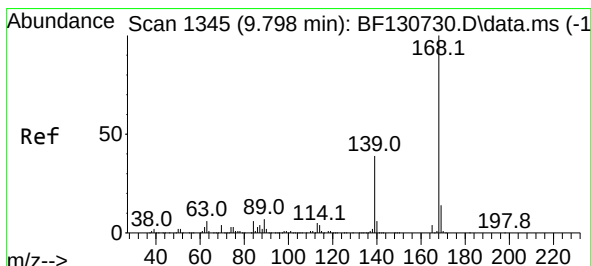
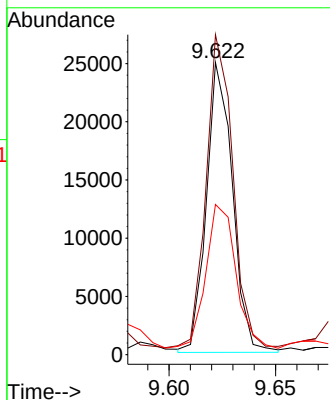
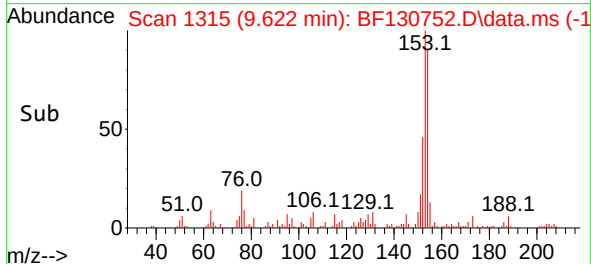
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BNA_F
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EO-02-101822



Tgt Ion:154 Resp: 21180
Ion Ratio Lower Upper
154 100
153 109.5 88.4 132.6
152 51.4 42.0 63.0

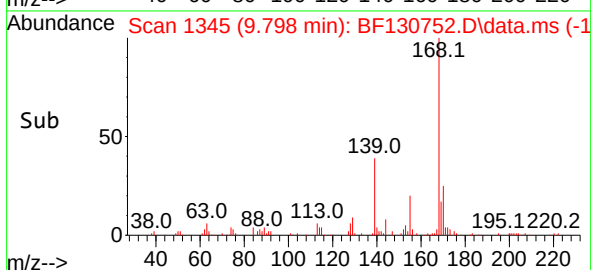
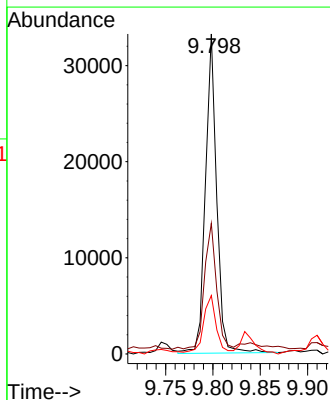
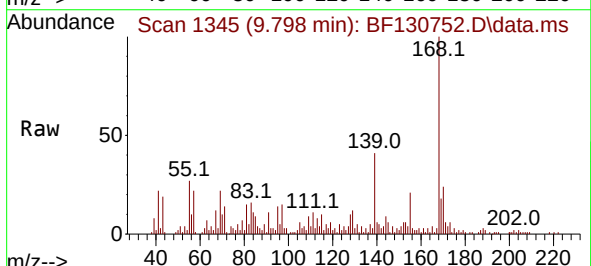
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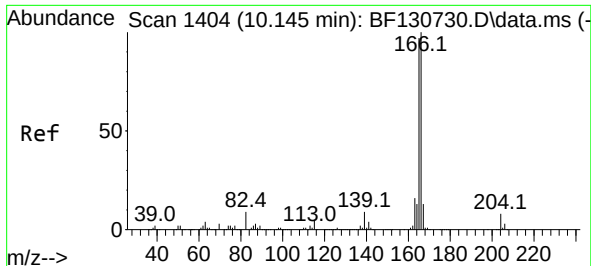
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#55
Dibenzofuran
Concen: 2.741 ng
RT: 9.798 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

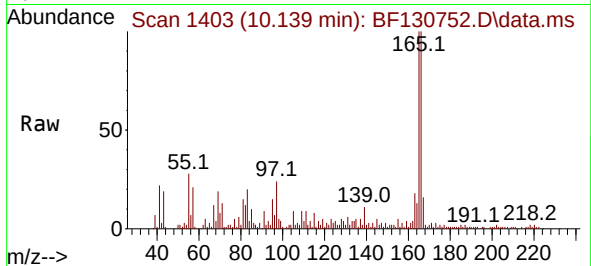
Tgt Ion:168 Resp: 27355
Ion Ratio Lower Upper
168 100
139 40.8 34.3 51.5
169 18.2 11.0 16.6





#58
Fluorene
Concen: 3.858 ng
RT: 10.139 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

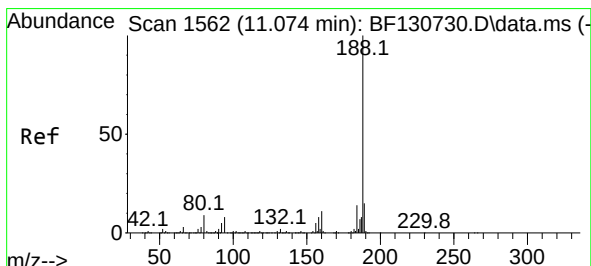
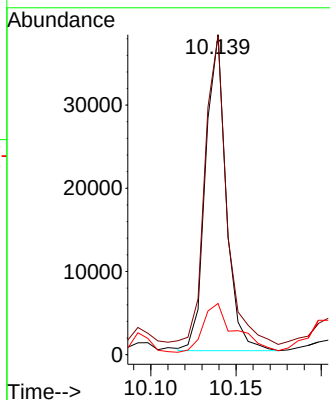
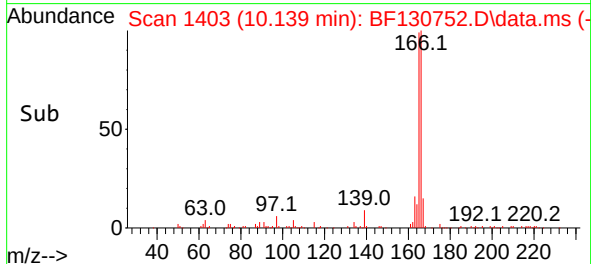
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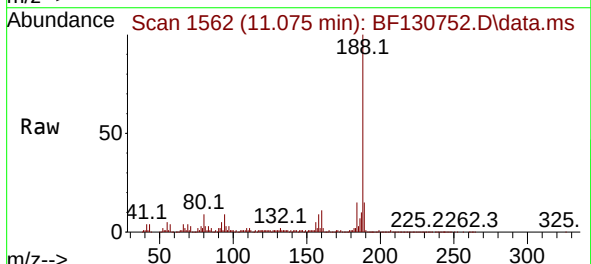
Tgt Ion:166 Resp: 32024
Ion Ratio Lower Upper
166 100
165 99.7 77.6 116.4
167 16.0 10.3 15.5

Manual Integrations
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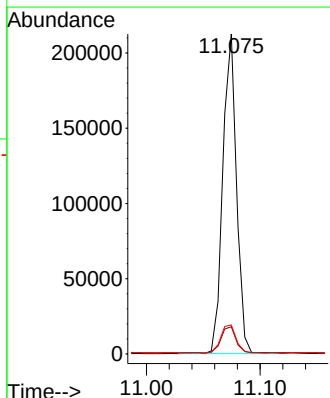
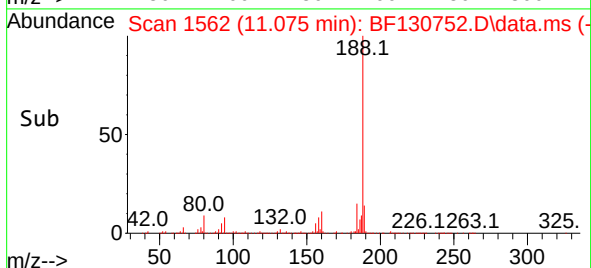
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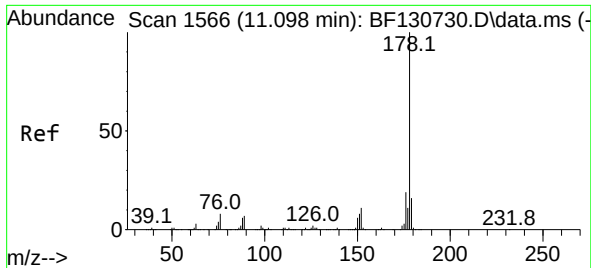


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55



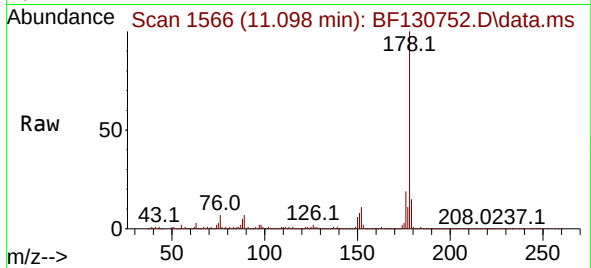
Tgt Ion:188 Resp: 178784
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 9.0 7.4 11.0





#71
Phenanthrene
Concen: 44.848 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

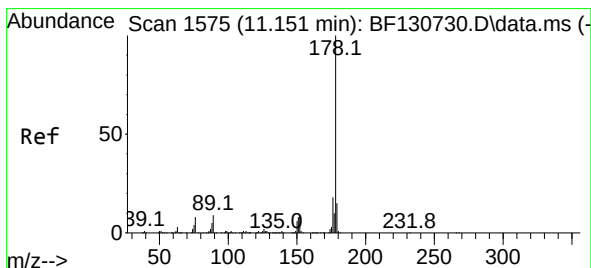
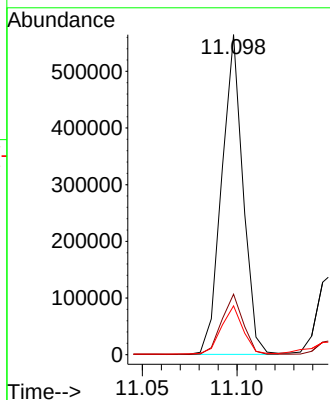
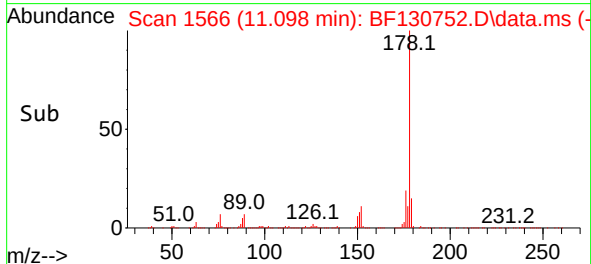
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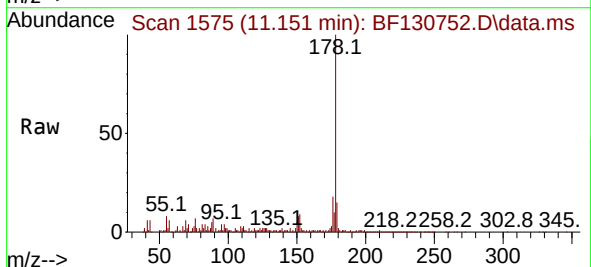
Tgt Ion:178 Resp: 439693
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.2 12.4 18.6

Manual Integrations
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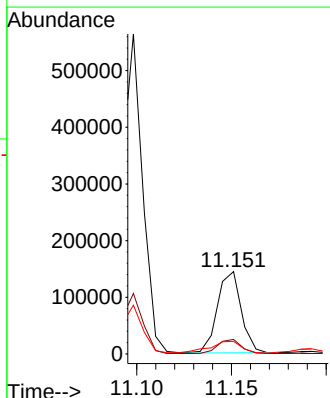
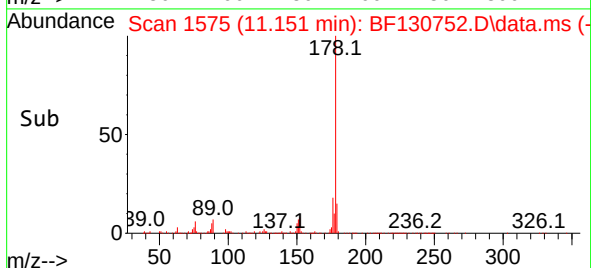
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

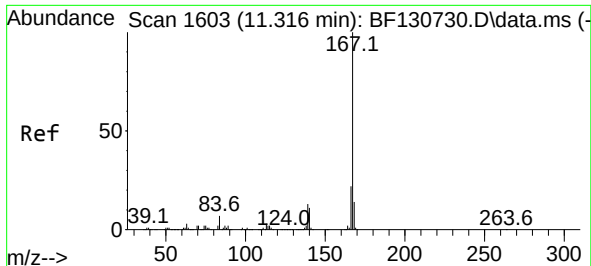


#72
Anthracene
Concen: 12.869 ng
RT: 11.151 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55



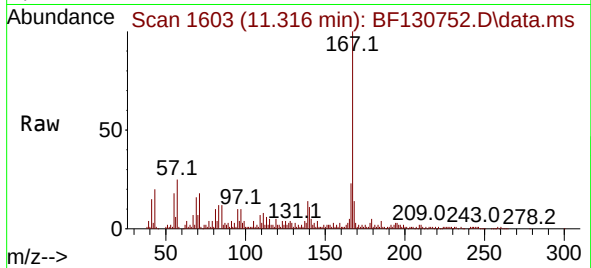
Tgt Ion:178 Resp: 125900
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 5.955 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

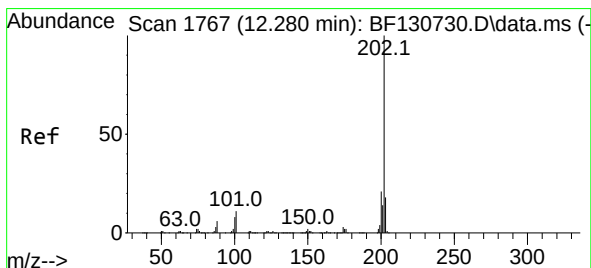
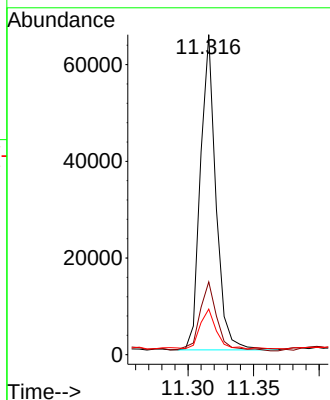
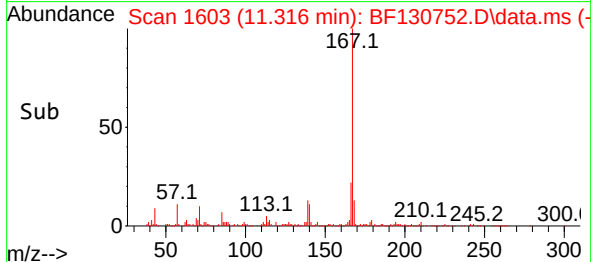
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101822



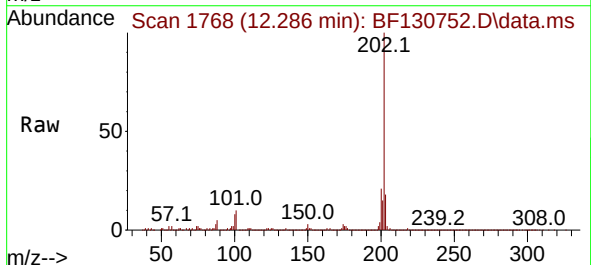
Tgt Ion:167 Resp: 53788
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.3 25.9
 139 14.2 10.7 16.1

Manual Integrations
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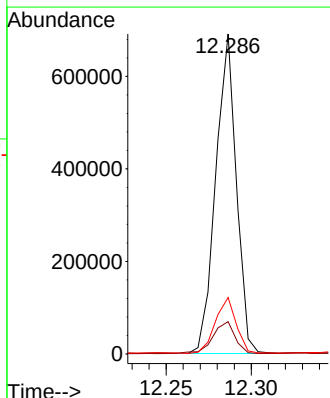
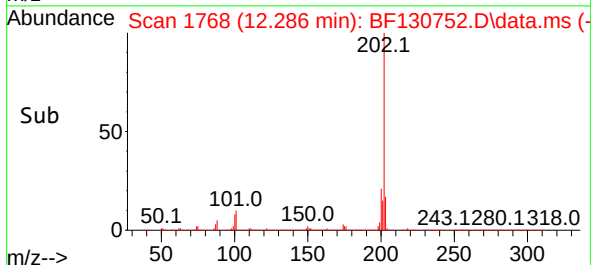
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022

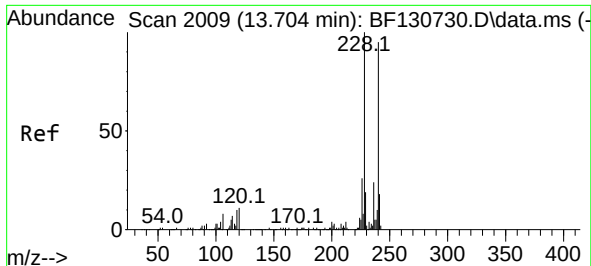


#75
 Fluoranthene
 Concen: 58.687 ng
 RT: 12.286 min Scan# 1768
 Delta R.T. 0.006 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55



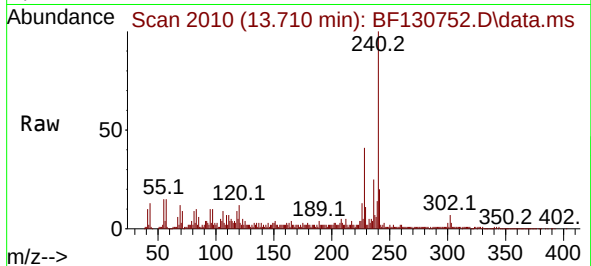
Tgt Ion:202 Resp: 581671
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.0
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

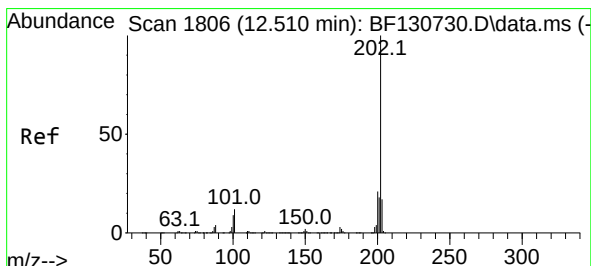
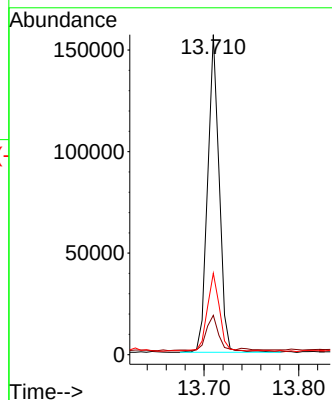
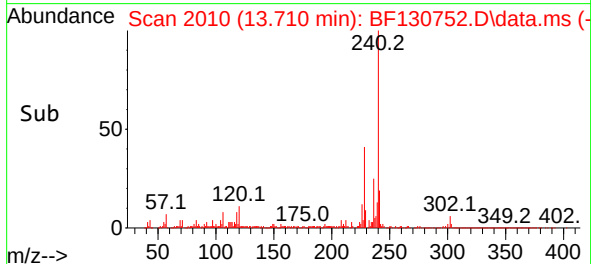
Instrument :
BNA_F
ClientSampleId :
EO-02-101822



Tgt Ion:240 Resp: 13215
Ion Ratio Lower Upper
240 100
120 12.3 9.6 14.4
236 25.5 20.2 30.2

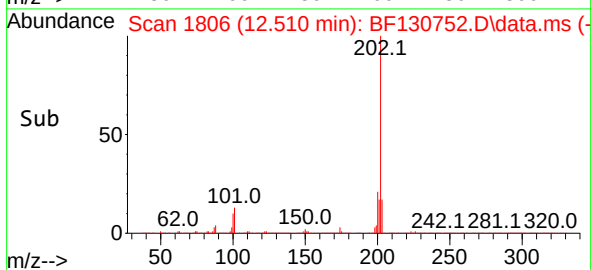
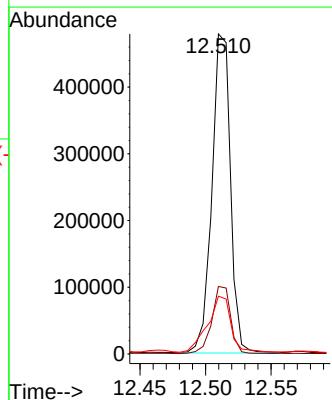
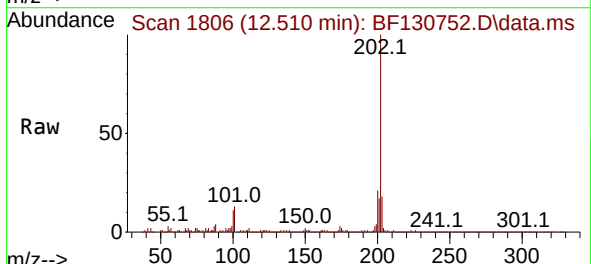
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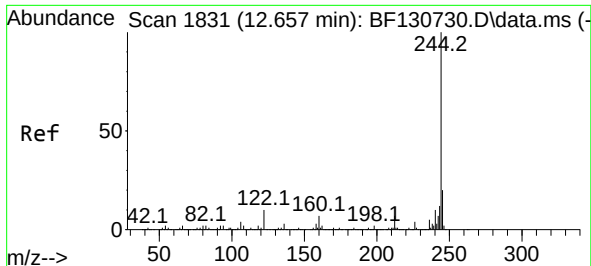
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#78
Pyrene
Concen: 42.432 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:202 Resp: 470689
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.0 13.8 20.8





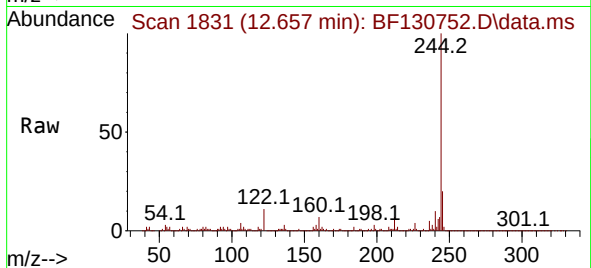
#79
 Terphenyl-d14
 Concen: 69.491 ng
 RT: 12.657 min Scan# 1831
 Delta R.T. -0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

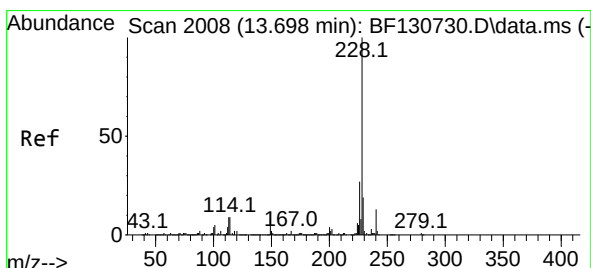
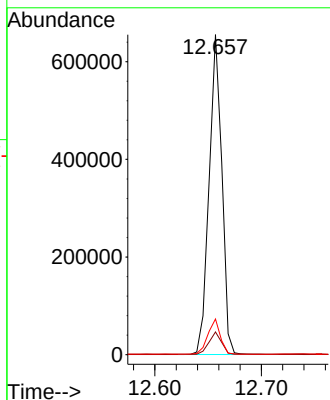
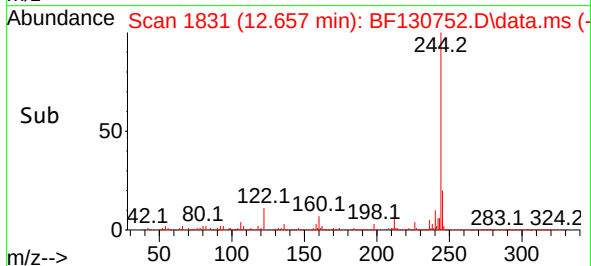


Tgt Ion:244 Resp: 544958
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.2 8.2 12.4

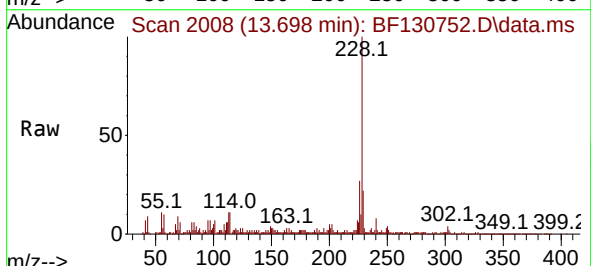
Manual Integrations

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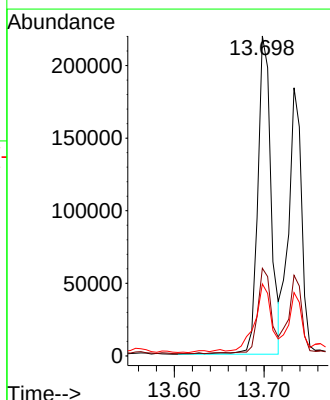
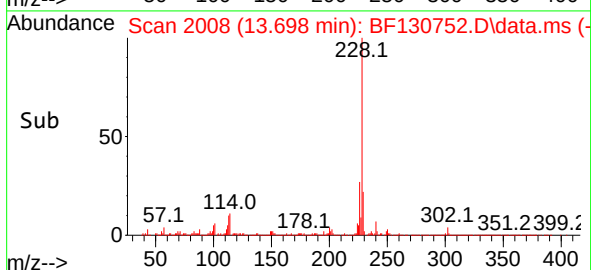
Reviewed By :Christian Giraldo 10/24/2022
 Supervised By :Jagrut Upadhyay 10/24/2022

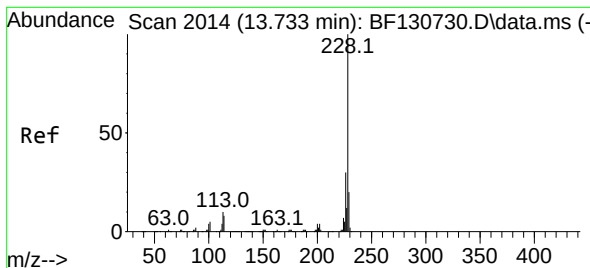


#81
 Benzo(a)anthracene
 Concen: 25.512 ng
 RT: 13.698 min Scan# 2008
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55



Tgt Ion:228 Resp: 225282
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.8
 229 22.5 15.4 23.2





#83

Chrysene

Concen: 21.430 ng

RT: 13.733 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

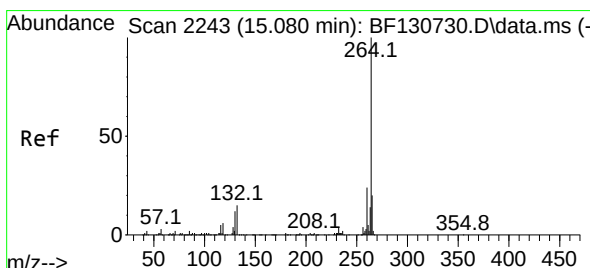
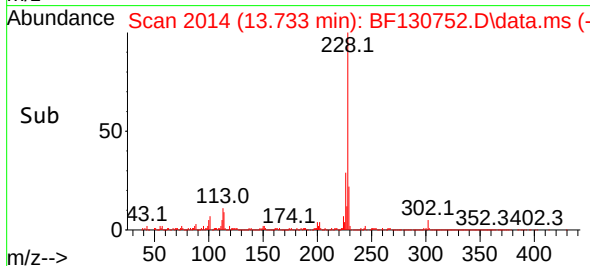
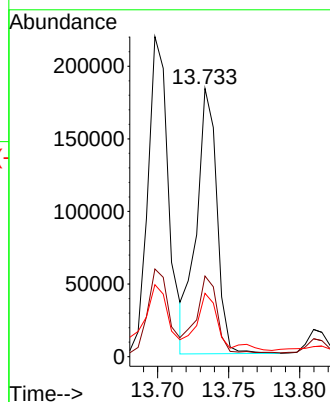
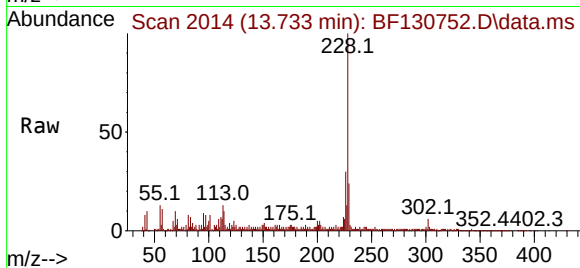
EO-02-101822

Tgt Ion:	228	Resp:	183349
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.6	35.4
229	23.6	15.8	23.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/24/2022



#86

Perylene-d12

Concen: 20.000 ng

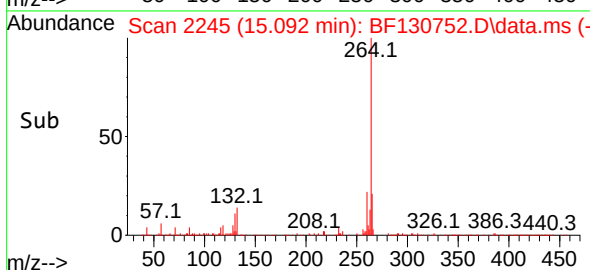
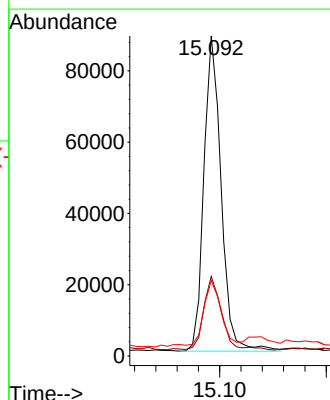
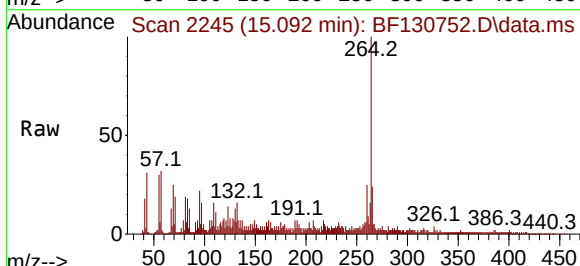
RT: 15.092 min Scan# 2245

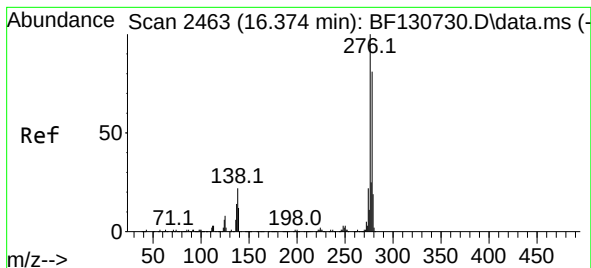
Delta R.T. 0.012 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Tgt Ion:	264	Resp:	99872
Ion Ratio	Lower	Upper	
264	100		
260	24.8	18.8	28.2
265	23.6	16.2	24.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.814 ng

RT: 16.404 min Scan# 2468

Delta R.T. 0.030 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

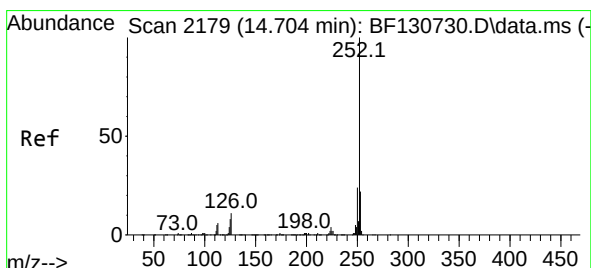
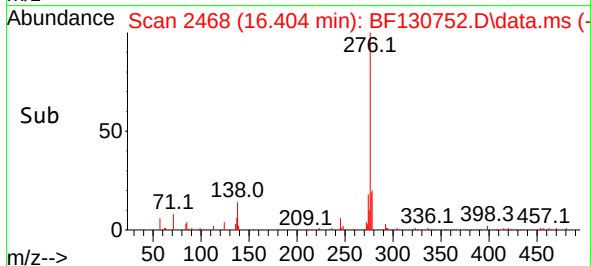
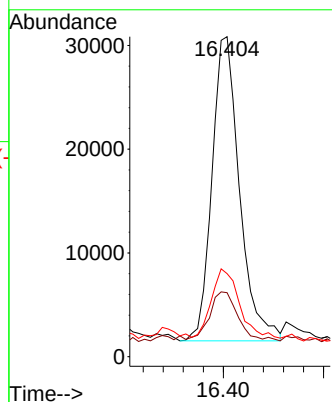
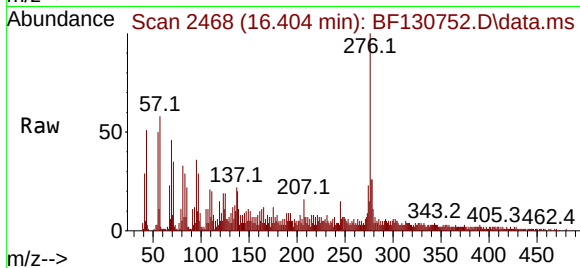
Tgt Ion:	276	Resp:	55970
Ion Ratio	Lower	Upper	
276	100		
138	16.8	17.2	25.8
277	23.9	20.1	30.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/24/2022



#88

Benzo(b)fluoranthene

Concen: 26.026 ng m

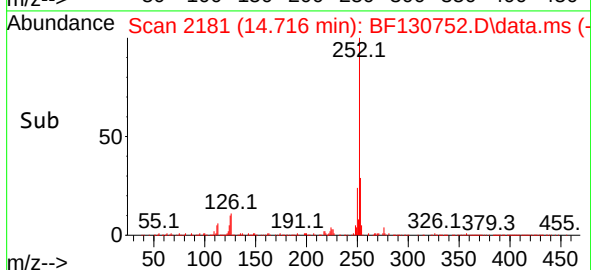
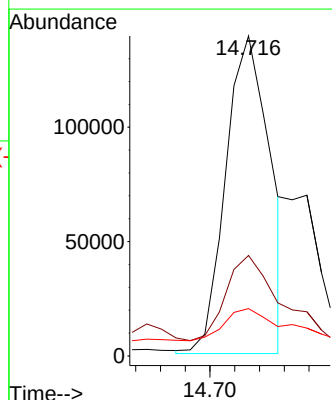
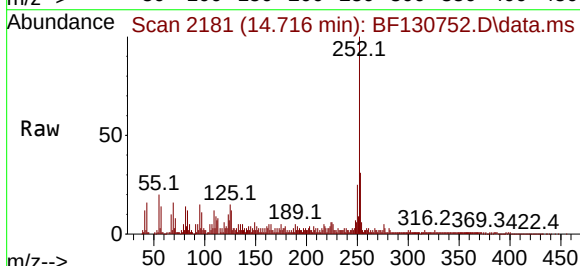
RT: 14.716 min Scan# 2181

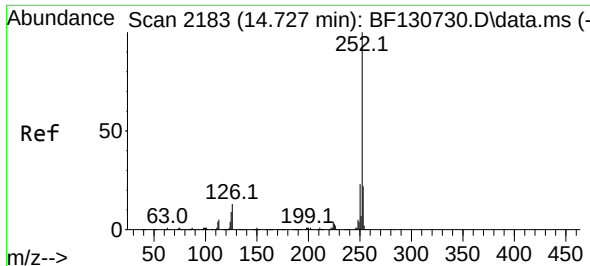
Delta R.T. 0.012 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Tgt Ion:	252	Resp:	173068
Ion Ratio	Lower	Upper	
252	100		
253	31.4	17.4	26.0
125	14.8	6.4	9.6





#89

Benzo(k)fluoranthene

Concen: 9.935 ng m

RT: 14.739 min Scan# 2183

Delta R.T. 0.012 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

Tgt Ion:252 Resp: 66372

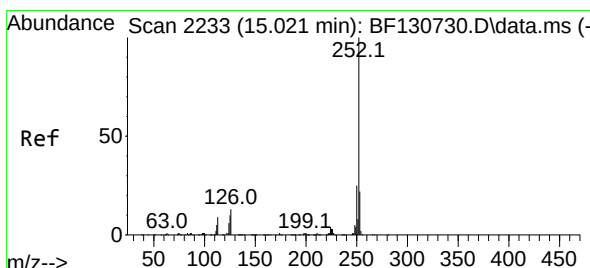
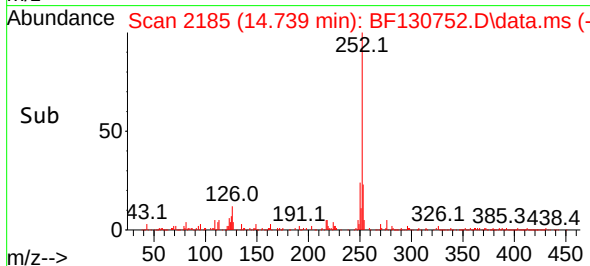
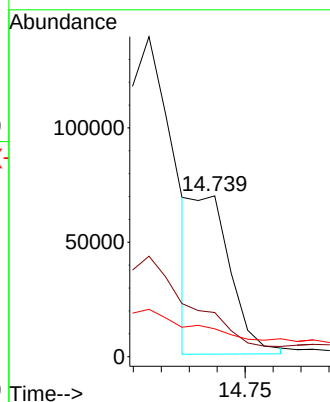
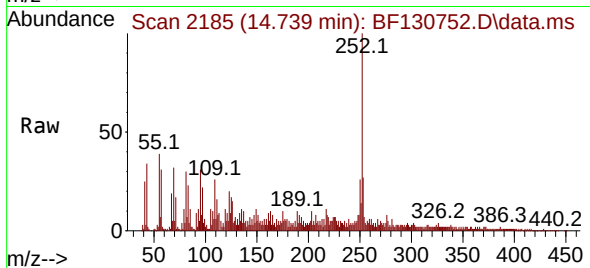
Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.7	26.5
125	17.3	7.2	10.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/24/2022



#90

Benzo(a)pyrene

Concen: 22.837 ng

RT: 15.039 min Scan# 2236

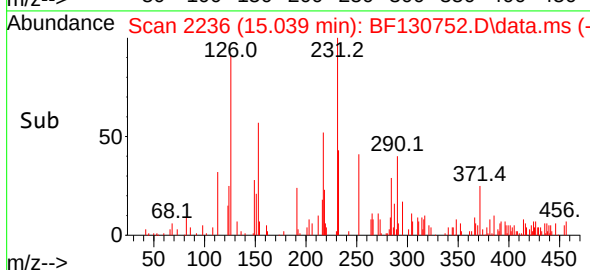
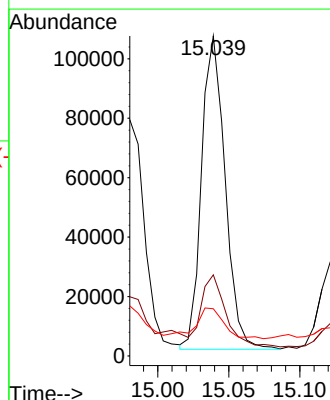
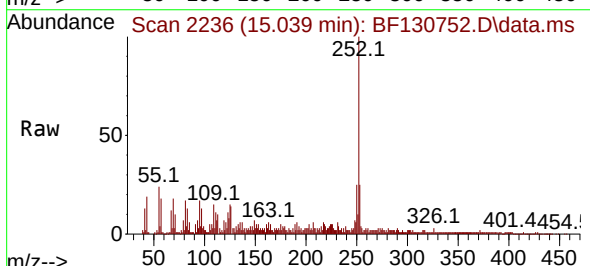
Delta R.T. 0.018 min

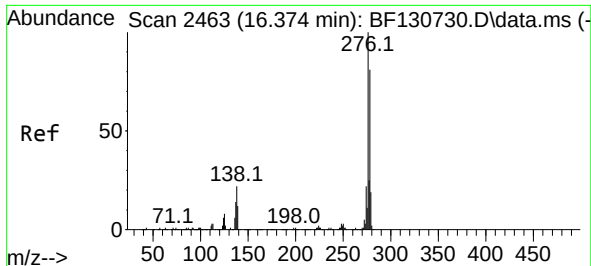
Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Tgt Ion:252 Resp: 121972

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.4	26.0
125	14.8	8.3	12.5





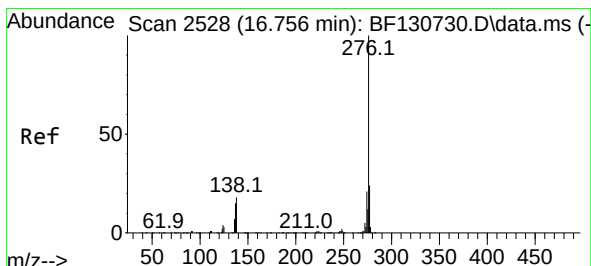
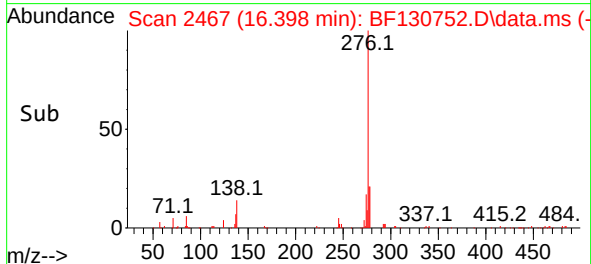
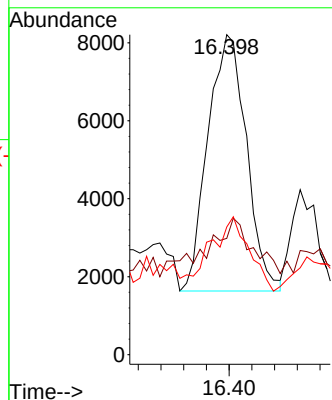
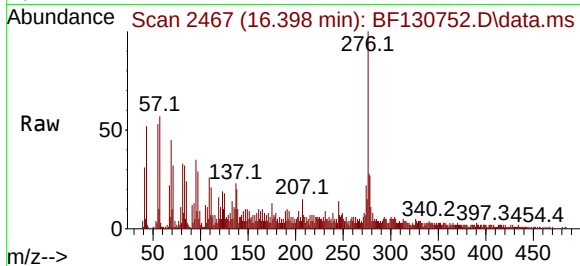
#91
Dibenzo(a,h)anthracene
Concen: 2.621 ng
RT: 16.398 min Scan# 2467
Delta R.T. 0.024 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Instrument :
BNA_F
ClientSampleId :
EO-02-101822

Tgt Ion:278 Resp: 15514
Ion Ratio Lower Upper
278 100
139 36.4 11.4 17.0#
279 39.9 18.4 27.6#

Manual Integrations
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Supervised By :Jagrut Upadhyay 10/24/2022



#92
Benzo(g,h,i)perylene
Concen: 8.751 ng
RT: 16.792 min Scan# 2534
Delta R.T. 0.035 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:276 Resp: 51947
Ion Ratio Lower Upper
276 100
277 30.6 19.1 28.7#
138 22.9 14.2 21.2#

