

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
 Data File : BF131608.D
 Acq On : 12 Dec 2022 23:25
 Operator : CG\JU
 Sample : N5997-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2802-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/13/2022
 Supervised By : Jagrut Upadhyay 12/13/2022

Quant Time: Dec 13 04:19:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 04:12:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	49510	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	150342	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	78404	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	159223	20.000	ng	0.00
76) Chrysene-d12	14.104	240	117446	20.000	ng	# 0.00
86) Perylene-d12	15.621	264	90953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	147312	49.638	ng	0.00
7) Phenol-d6	6.528	99	174174	44.787	ng	0.00
23) Nitrobenzene-d5	7.457	82	119392	30.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	44792	51.420	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	171619	27.599	ng	0.00
79) Terphenyl-d14	13.039	244	208459	24.342	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	147544	16.625	ng	99
72) Anthracene	11.522	178	49880	5.777	ng	98
73) Carbazole	11.680	167	15635	2.218	ng	97
75) Fluoranthene	12.669	202	261200	28.581	ng	99
78) Pyrene	12.898	202	293922	25.380	ng	99
80) Butylbenzylphthalate	13.516	149	24878	7.423	ng	97
81) Benzo(a)anthracene	14.092	228	171187	20.184	ng	96
83) Chrysene	14.133	228	178880	22.184	ng	97
84) Bis(2-ethylhexyl)phtha...	14.080	149	15126	6.136	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.157	276	41340	5.569	ng	99
88) Benzo(b)fluoranthene	15.174	252	153895m	25.672	ng	
89) Benzo(k)fluoranthene	15.198	252	46314m	7.402	ng	
90) Benzo(a)pyrene	15.557	252	85602	16.733	ng	94
92) Benzo(g,h,i)perylene	17.627	276	36515	5.947	ng	99

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

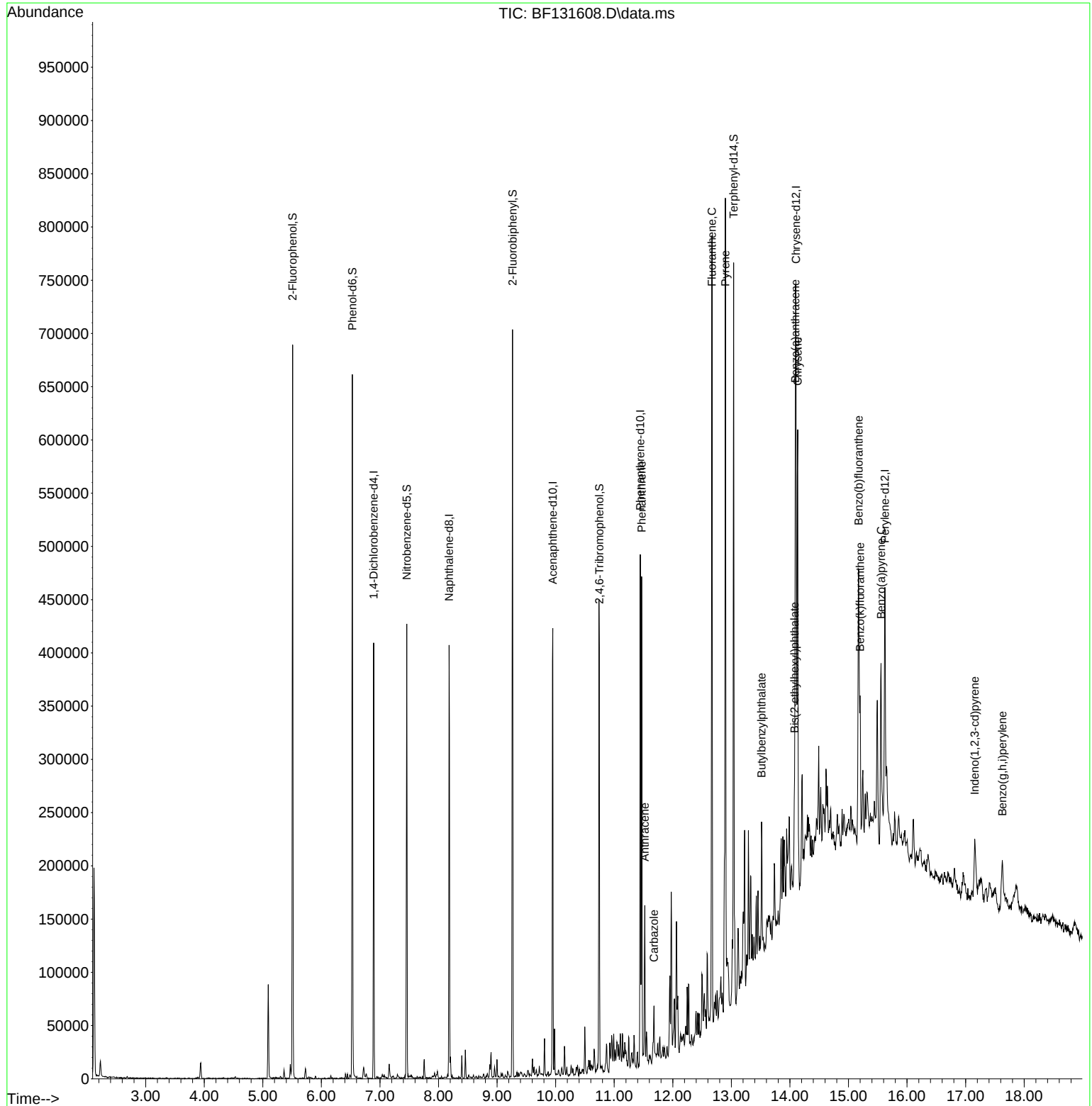
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
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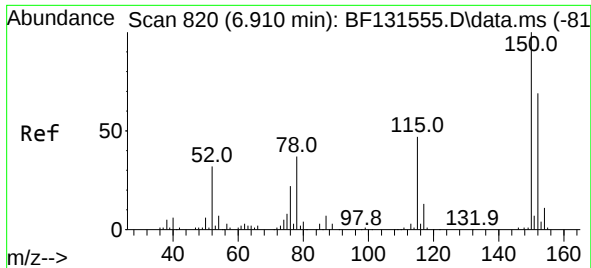
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
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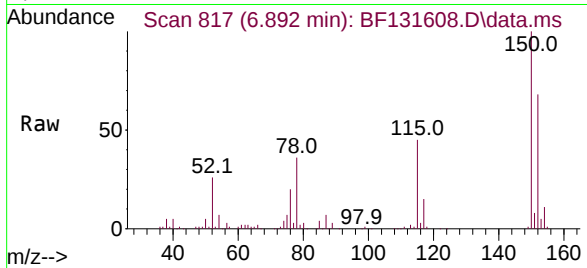
Reviewed By : Christian Giraldo 12/13/2022
Supervised By : Jagrut Upadhyay 12/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

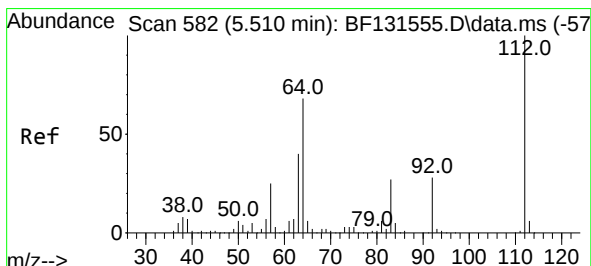
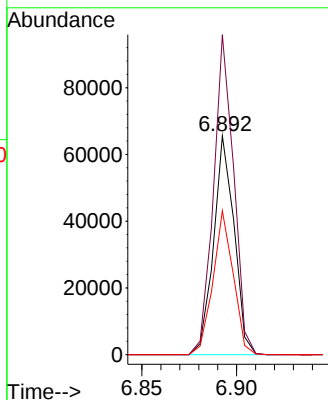
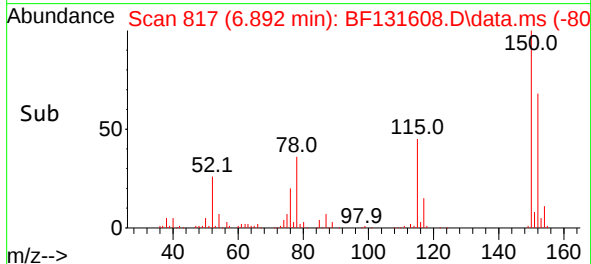
Instrument :
BNA_F
ClientSampleId :
2802-COMP



Tgt Ion:152 Resp: 49510
Ion Ratio Lower Upper
152 100
150 146.3 116.7 175.1
115 65.7 54.6 82.0

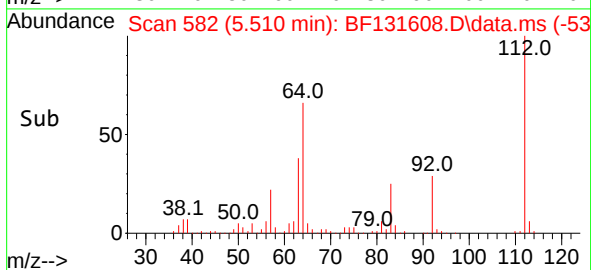
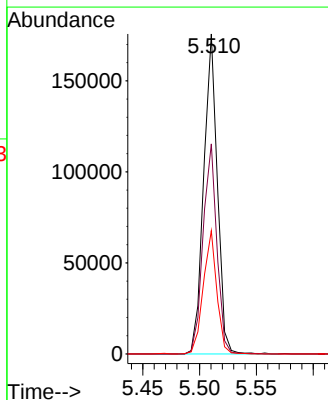
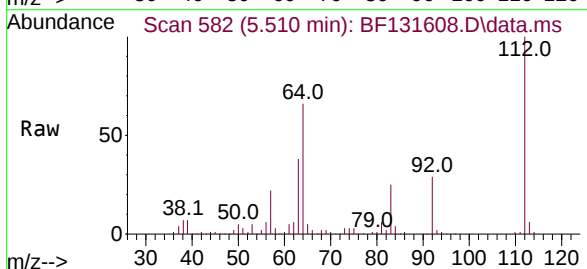
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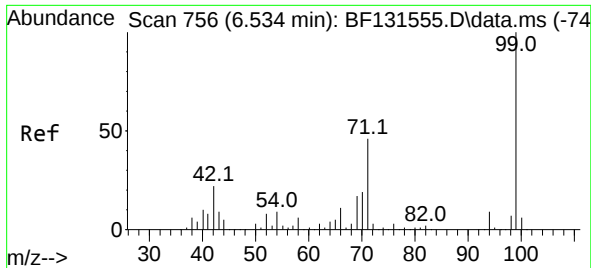
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Supervised By :Jagrut Upadhyay 12/13/2022



#5
2-Fluorophenol
Concen: 49.638 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

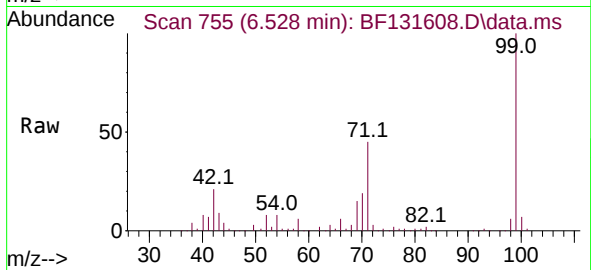
Tgt Ion:112 Resp: 147312
Ion Ratio Lower Upper
112 100
64 65.6 54.5 81.7
63 38.5 31.9 47.9





#7
Phenol-d6
Concen: 44.787 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

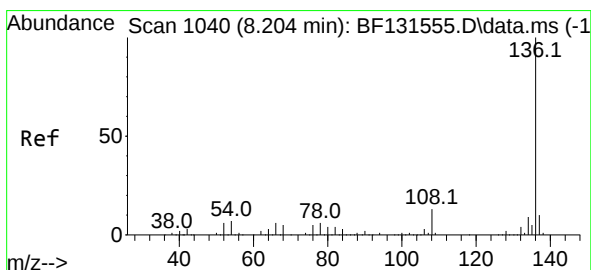
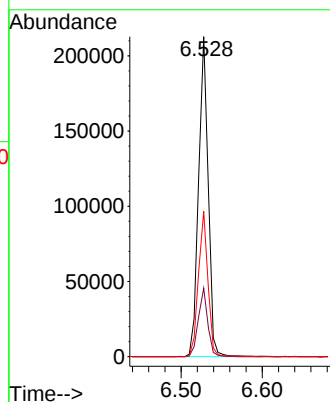
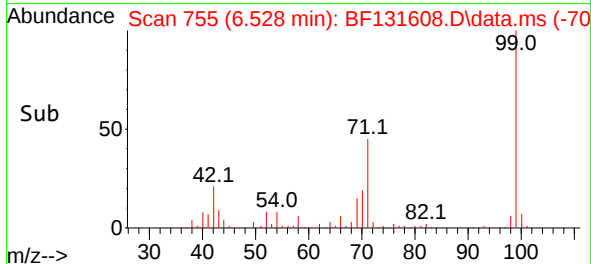
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BNA_F
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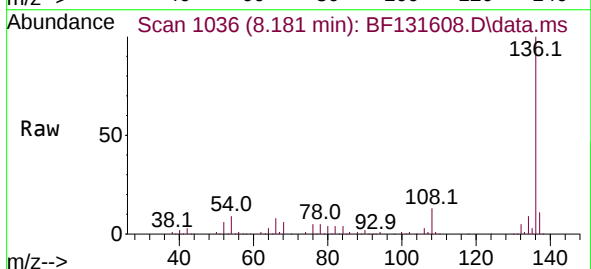
Tgt Ion: 99 Resp: 174174
Ion Ratio Lower Upper
99 100
42 21.4 17.9 26.9
71 45.4 37.2 55.8

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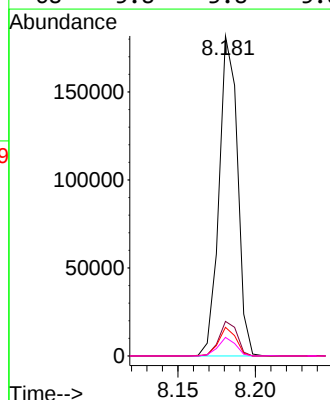
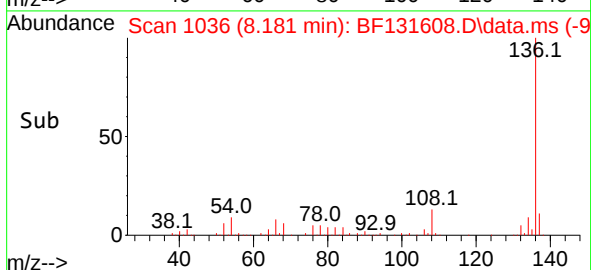
Reviewed By :Christian Giraldo 12/13/2022
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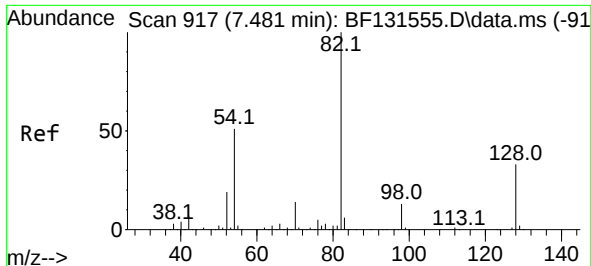


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25



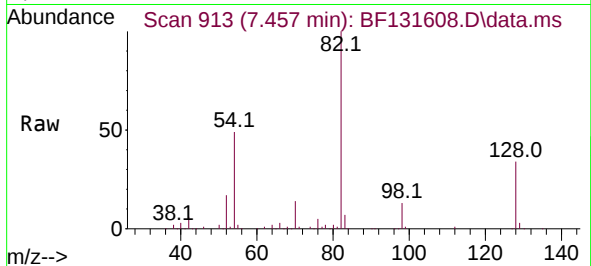
Tgt Ion:136 Resp: 150342
Ion Ratio Lower Upper
136 100
137 10.8 8.1 12.1
54 8.9 6.0 9.0
68 5.8 3.8 5.8#





#23
Nitrobenzene-d5
Concen: 30.024 ng
RT: 7.457 min Scan# 917
Delta R.T. -0.012 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

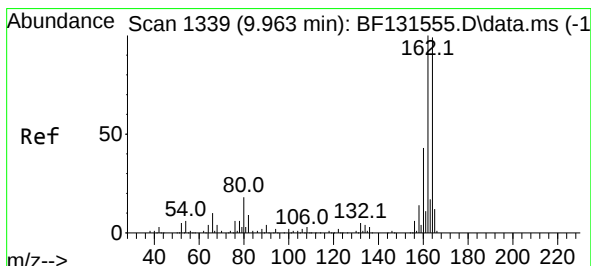
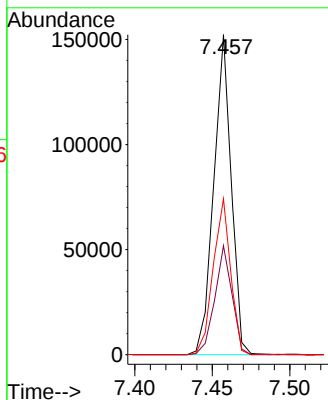
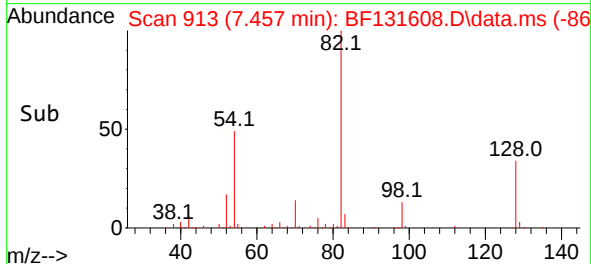
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 119392
Ion Ratio Lower Upper
82 100
128 34.0 26.1 39.1
54 48.7 40.6 60.8

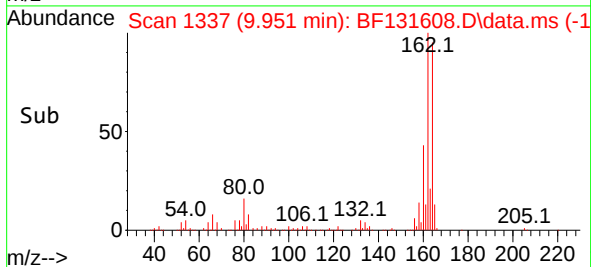
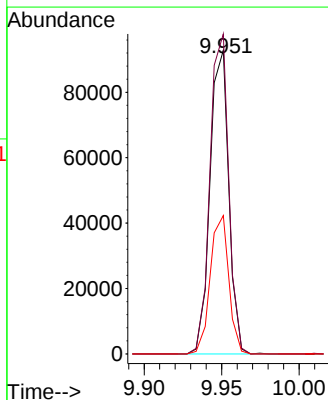
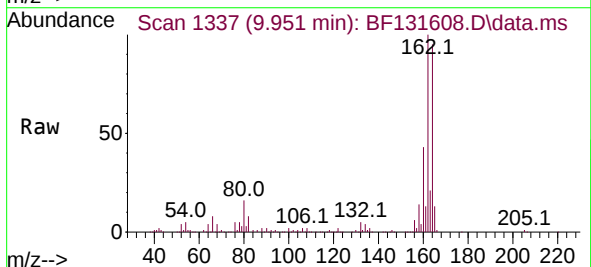
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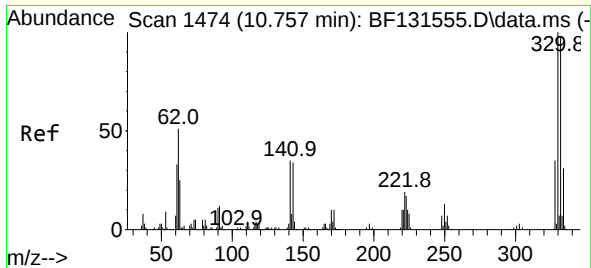
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Tgt Ion:164 Resp: 78404
Ion Ratio Lower Upper
164 100
162 105.4 81.0 121.6
160 45.6 35.0 52.6





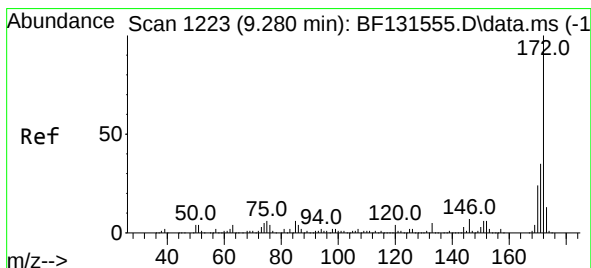
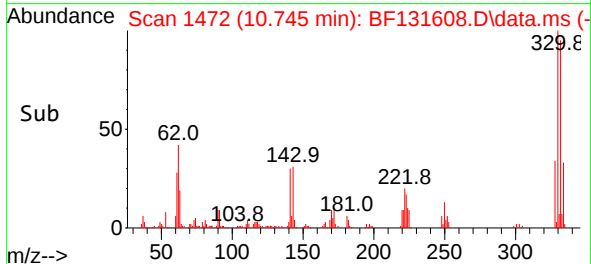
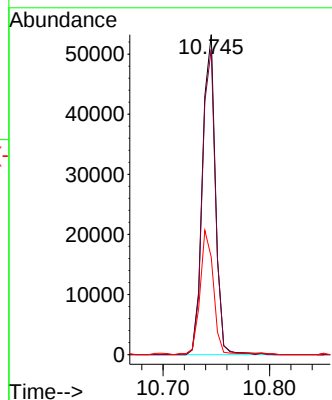
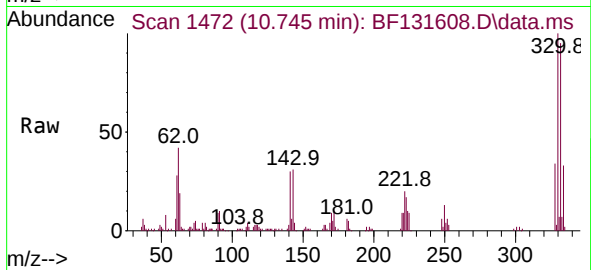
#42
2,4,6-Tribromophenol
Concen: 51.420 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Instrument :
BNA_F
ClientSampleId :
2802-COMP

Tgt Ion: 330 Resp: 44792
Ion Ratio Lower Upper
330 100
332 96.2 78.3 117.5
141 40.3 32.6 49.0

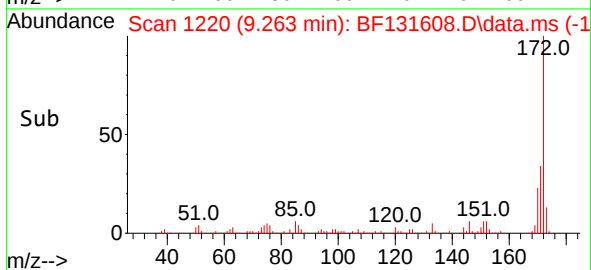
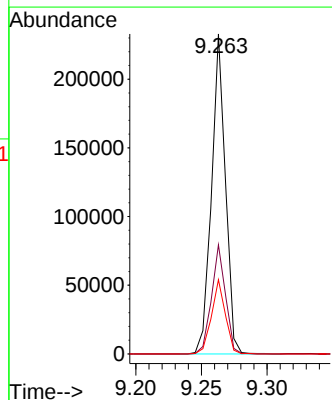
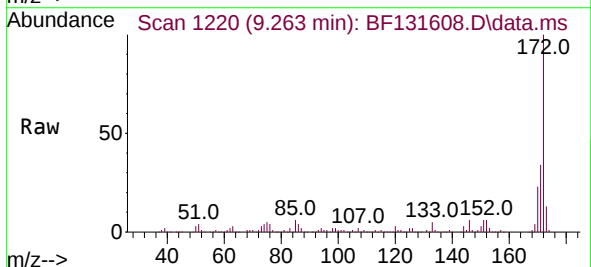
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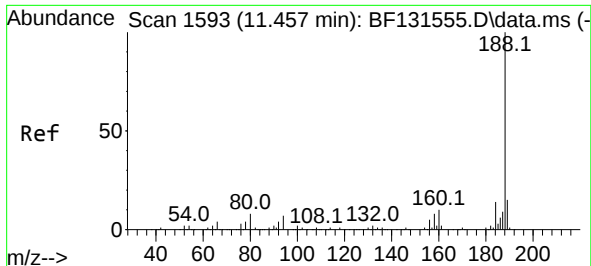
Reviewed By : Christian Giraldo 12/13/2022
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#45
2-Fluorobiphenyl
Concen: 27.599 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Tgt Ion: 172 Resp: 171619
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 23.2 19.3 28.9





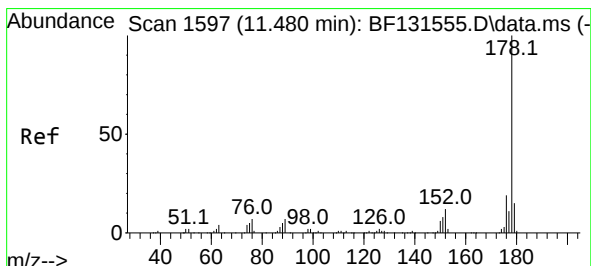
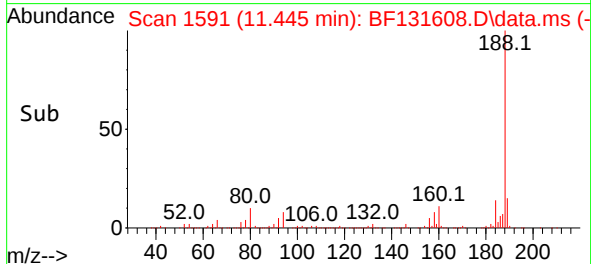
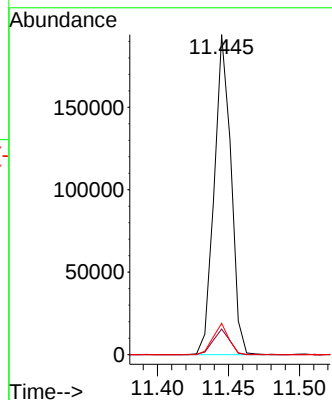
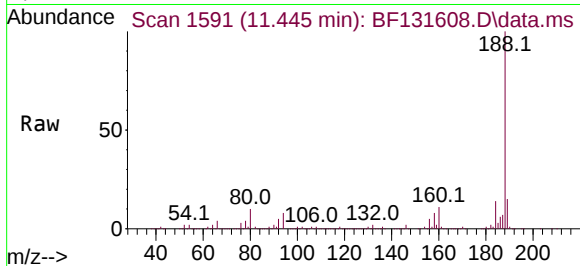
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Instrument :
BNA_F
ClientSampleId :
2802-COMP

Tgt Ion:188 Resp: 159223
Ion Ratio Lower Upper
188 100
94 8.0 5.5 8.3
80 9.8 6.6 10.0

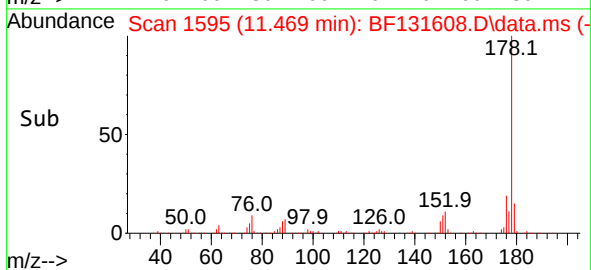
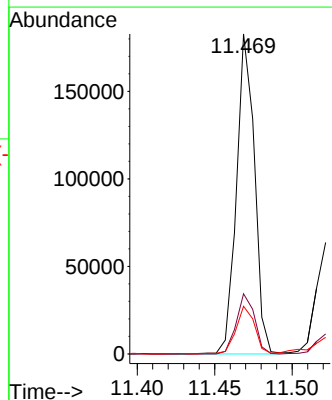
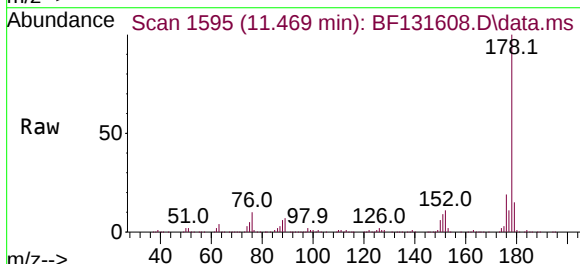
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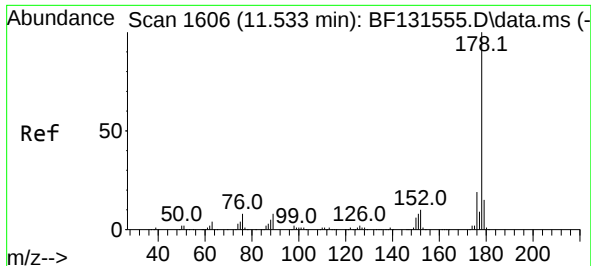
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#71
Phenanthrene
Concen: 16.625 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

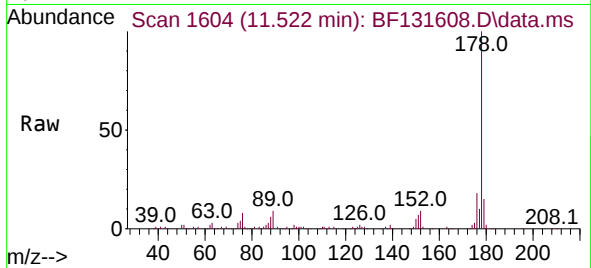
Tgt Ion:178 Resp: 147544
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.9 12.2 18.4





#72
 Anthracene
 Concen: 5.777 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF131608.D
 Acq: 12 Dec 2022 23:25

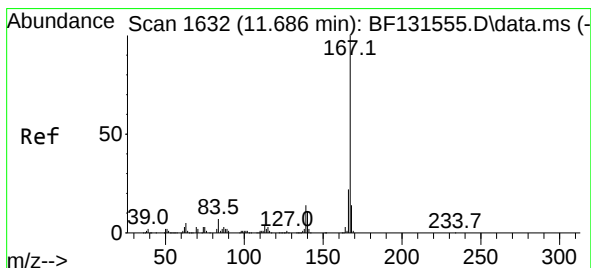
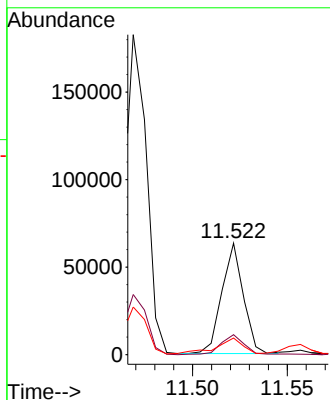
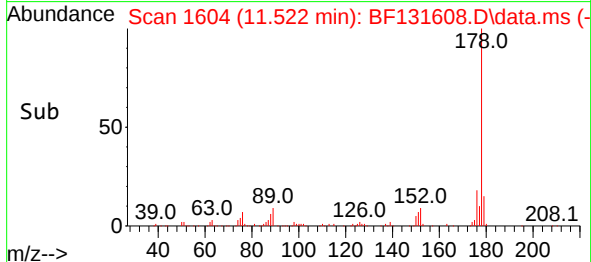
Instrument :
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 2802-COMP



Tgt Ion:178 Resp: 49880
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 14.9 12.3 18.5

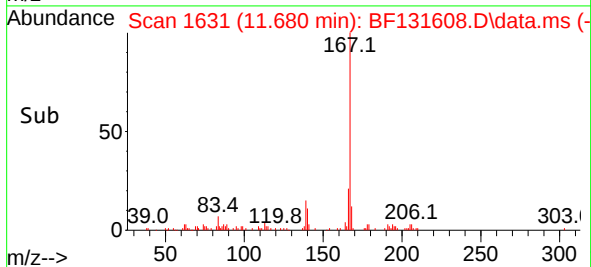
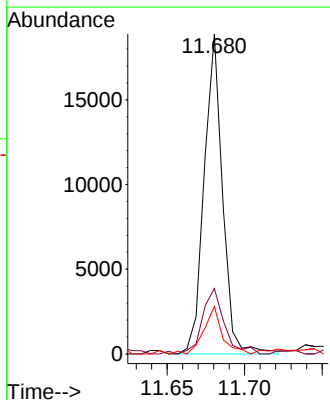
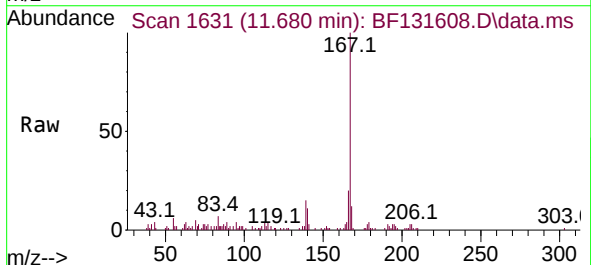
Manual Integrations
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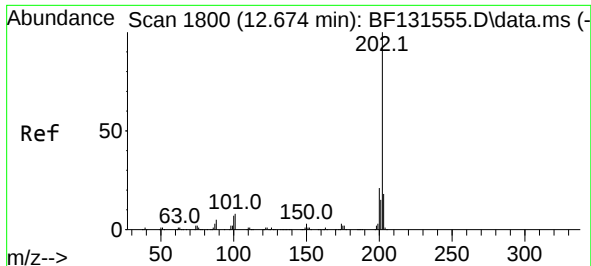
Reviewed By :Christian Giraldo 12/13/2022
 Supervised By :Jagrut Upadhyay 12/13/2022



#73
 Carbazole
 Concen: 2.218 ng
 RT: 11.680 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: BF131608.D
 Acq: 12 Dec 2022 23:25

Tgt Ion:167 Resp: 15635
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.4 26.0
 139 14.8 11.0 16.4





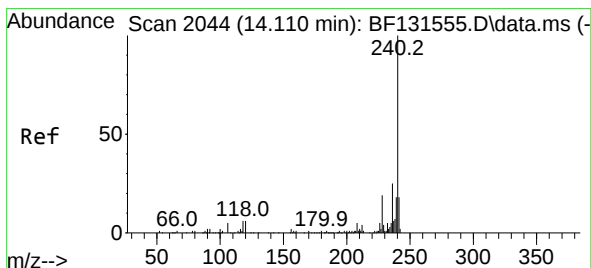
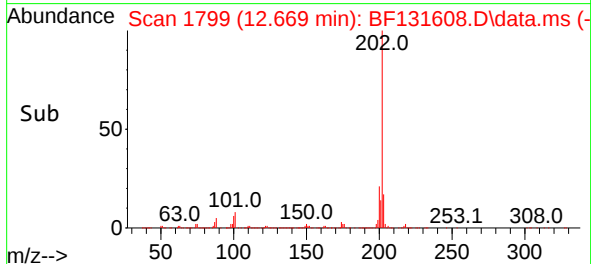
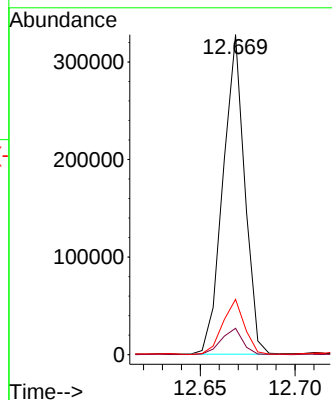
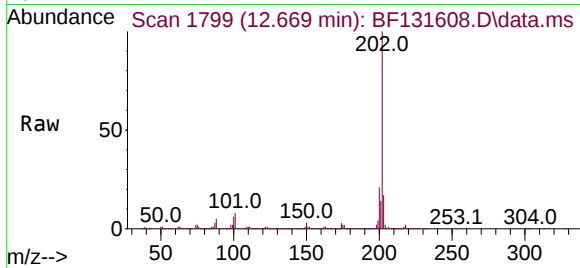
#75
Fluoranthene
Concen: 28.581 ng
RT: 12.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Instrument :
BNA_F
ClientSampleId :
2802-COMP

Tgt Ion:202 Resp: 261200
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.7
203 17.3 0.0 37.7

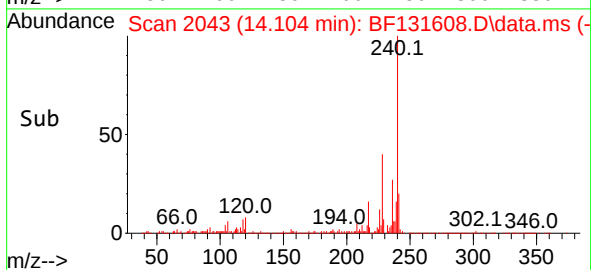
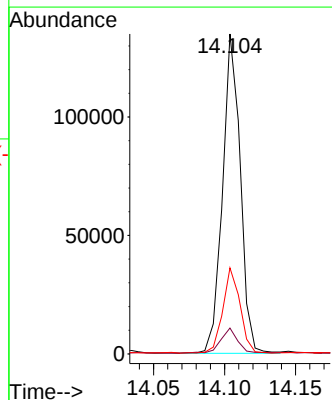
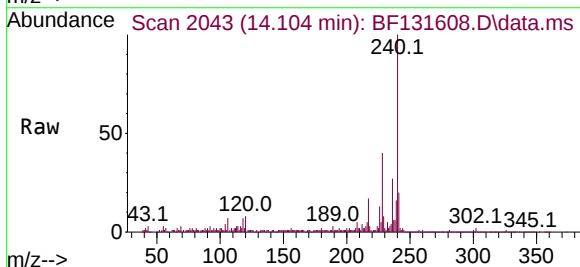
Manual Integrations
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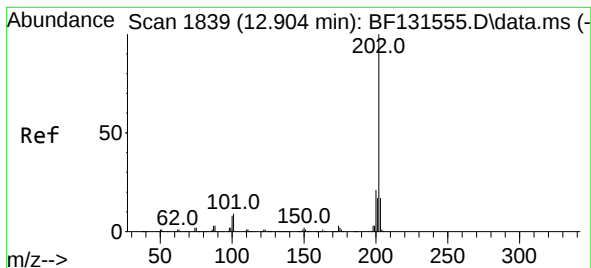
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Tgt Ion:240 Resp: 117446
Ion Ratio Lower Upper
240 100
120 8.1 4.6 7.0#
236 26.9 20.2 30.2





#78

Pyrene

Concen: 25.380 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF131608.D

Acq: 12 Dec 2022 23:25

Instrument :

BNA_F

ClientSampleId :

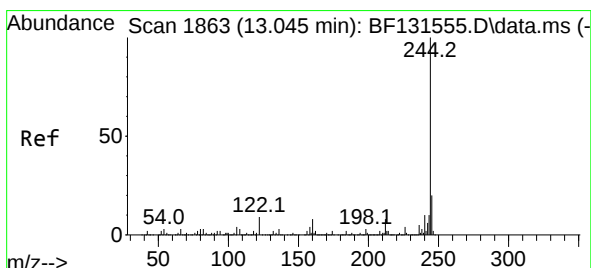
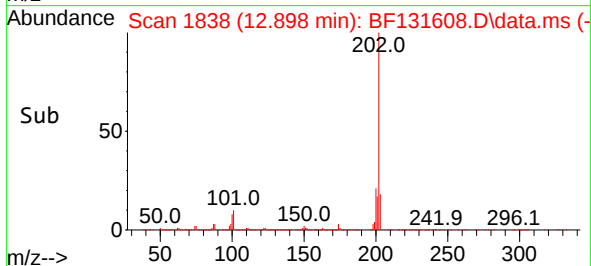
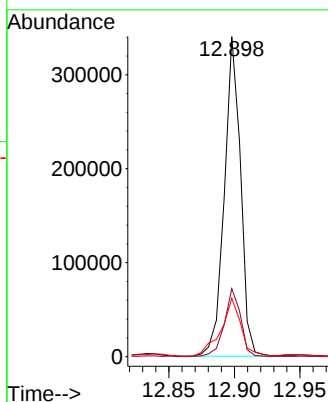
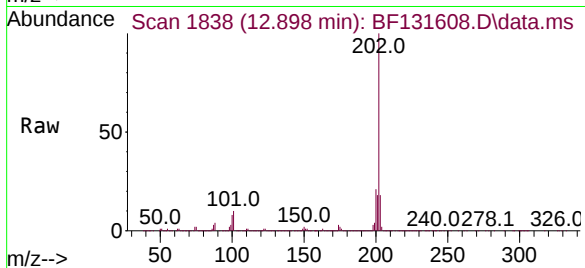
2802-COMP

Tgt Ion:	202	Resp:	293922
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.7	25.1
203	18.2	13.8	20.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#79

Terphenyl-d14

Concen: 24.342 ng

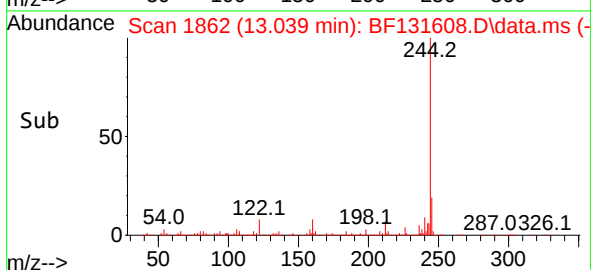
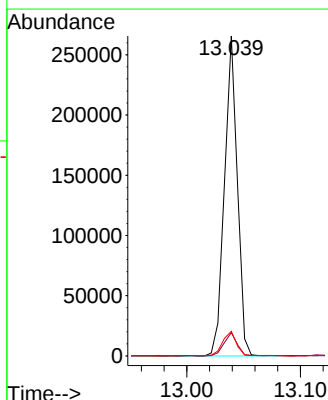
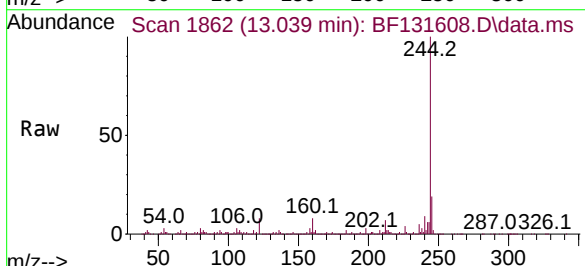
RT: 13.039 min Scan# 1862

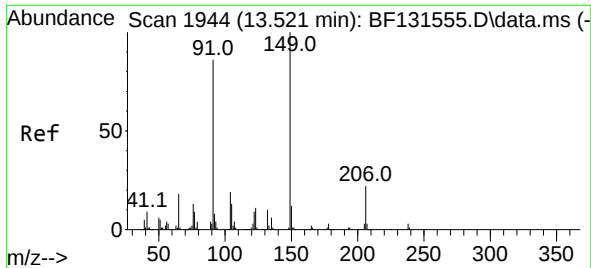
Delta R.T. -0.006 min

Lab File: BF131608.D

Acq: 12 Dec 2022 23:25

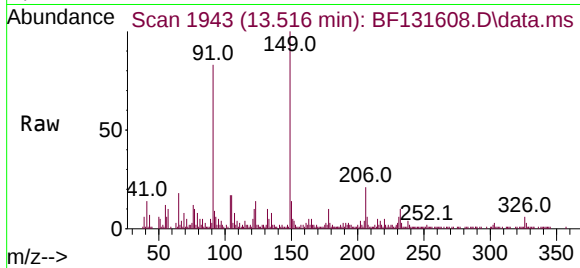
Tgt Ion:	244	Resp:	208459
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.5	9.7
122	7.7	7.1	10.7





#80
Butylbenzylphthalate
Concen: 7.423 ng
RT: 13.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

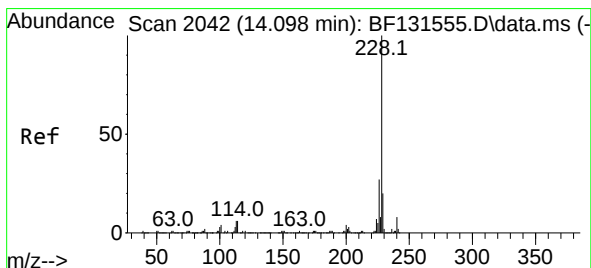
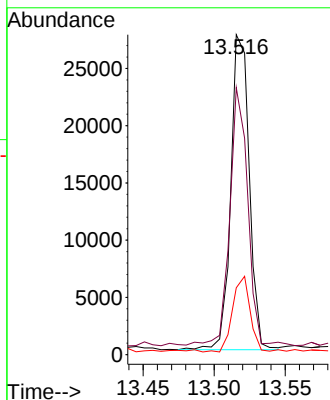
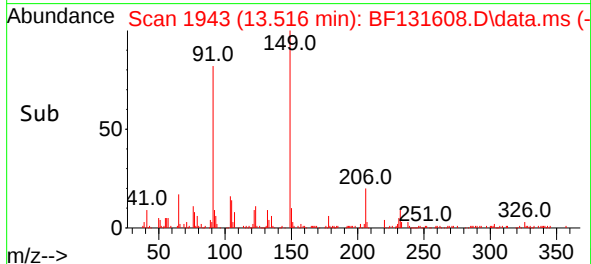
Instrument :
BNA_F
ClientSampleId :
2802-COMP



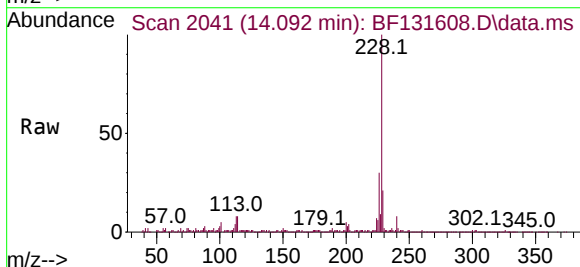
Tgt Ion:149 Resp: 24878
Ion Ratio Lower Upper
149 100
91 83.4 69.0 103.4
206 20.9 17.8 26.8

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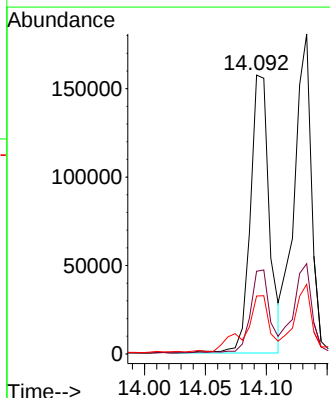
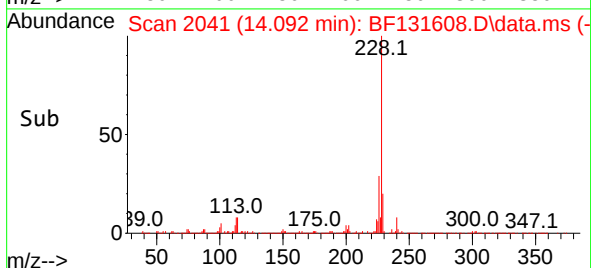
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

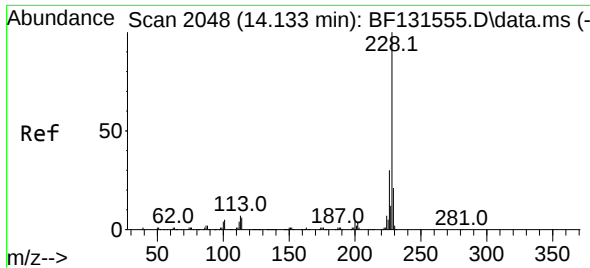


#81
Benzo(a)anthracene
Concen: 20.184 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25



Tgt Ion:228 Resp: 171187
Ion Ratio Lower Upper
228 100
226 29.6 21.5 32.3
229 20.7 15.8 23.6





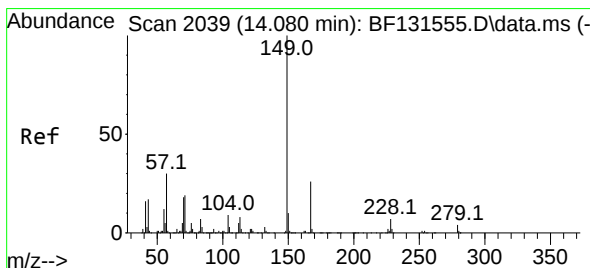
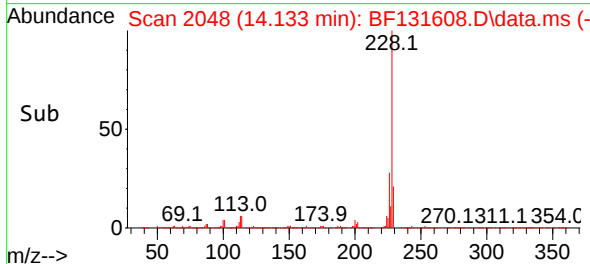
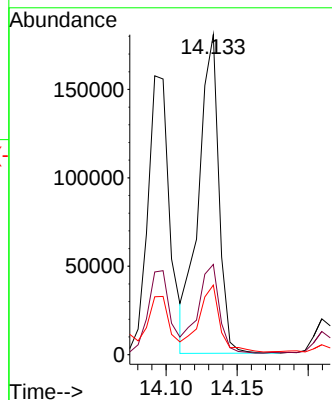
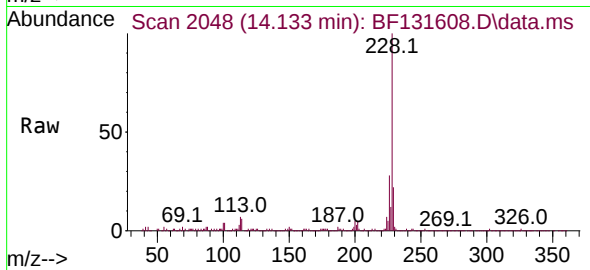
#83
Chrysene
Concen: 22.184 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Instrument :
BNA_F
ClientSampleId :
2802-COMP

Tgt Ion:228 Resp: 178880
Ion Ratio Lower Upper
228 100
226 28.2 23.9 35.9
229 21.7 16.7 25.1

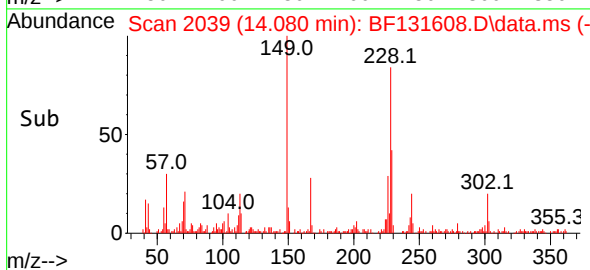
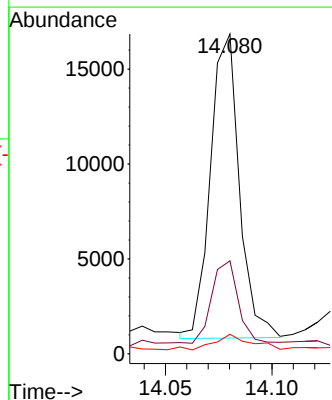
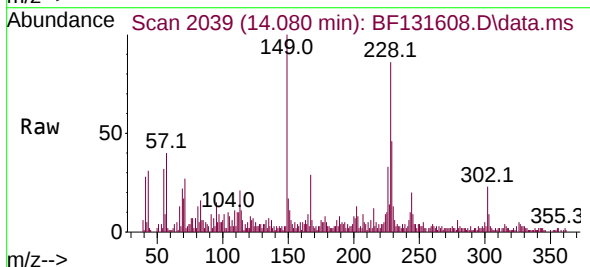
Manual Integrations
APPROVED

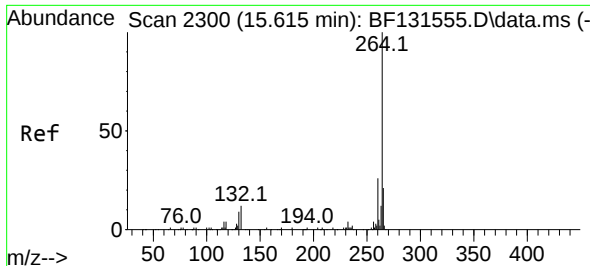
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.136 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

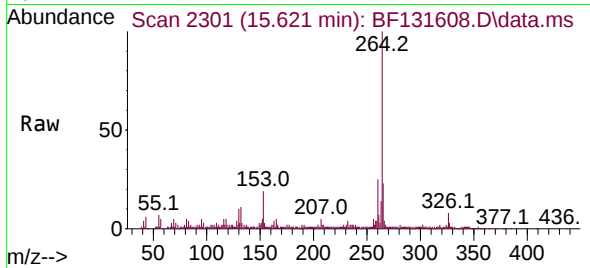
Tgt Ion:149 Resp: 15126
Ion Ratio Lower Upper
149 100
167 29.1 20.8 31.2
279 6.1 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2301
Delta R.T. 0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

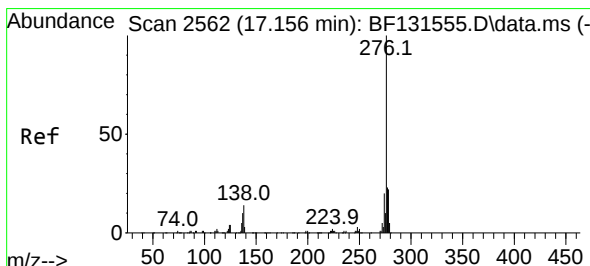
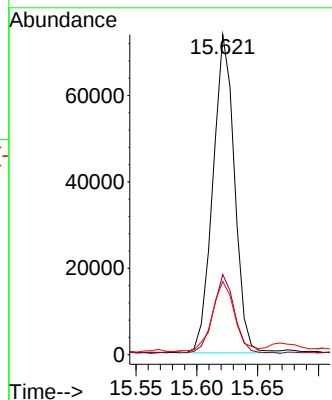
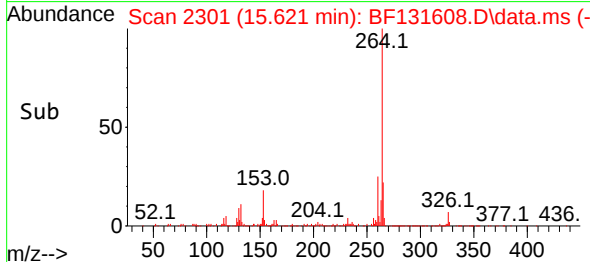
Instrument :
BNA_F
ClientSampleId :
2802-COMP



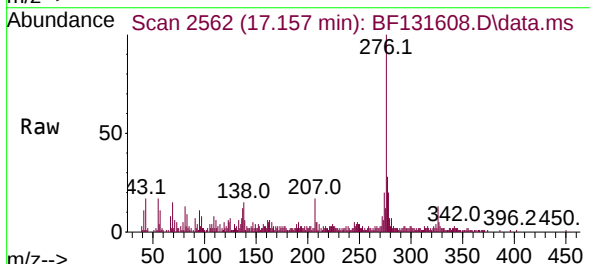
Tgt Ion:264 Resp: 90953
Ion Ratio Lower Upper
264 100
260 25.0 20.6 30.8
265 22.9 16.8 25.2

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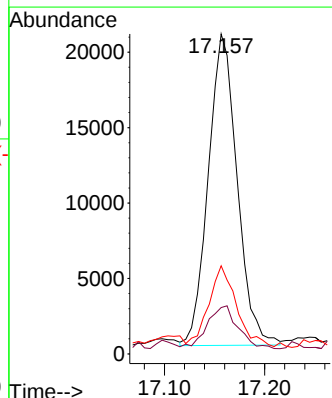
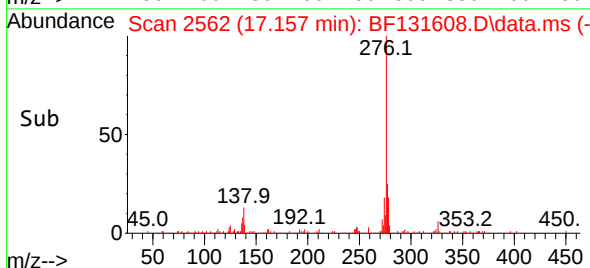
Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022

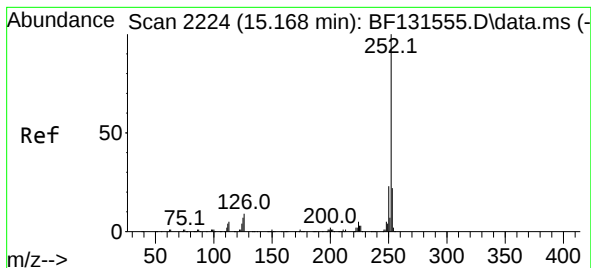


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.569 ng
RT: 17.157 min Scan# 2562
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25



Tgt Ion:276 Resp: 41340
Ion Ratio Lower Upper
276 100
138 14.6 12.7 19.1
277 24.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 25.672 ng m

RT: 15.174 min Scan# 2224

Delta R.T. 0.006 min

Lab File: BF131608.D

Acq: 12 Dec 2022 23:25

Instrument :

BNA_F

ClientSampleId :

2802-COMP

Tgt Ion:252 Resp: 153895

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

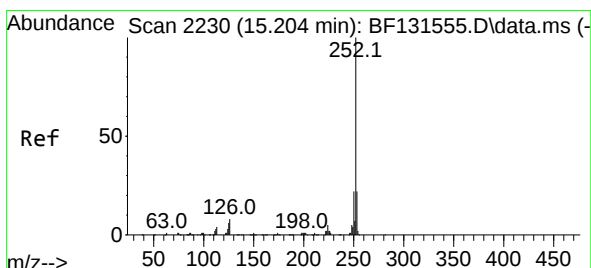
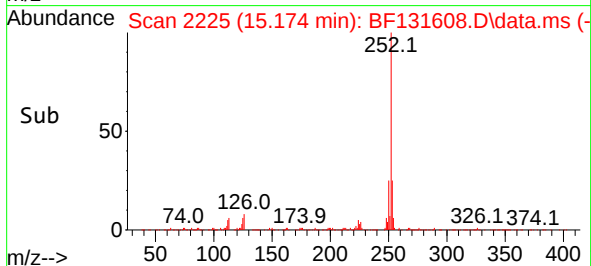
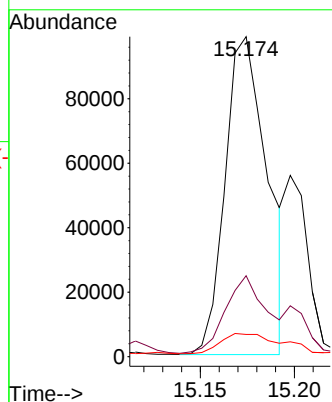
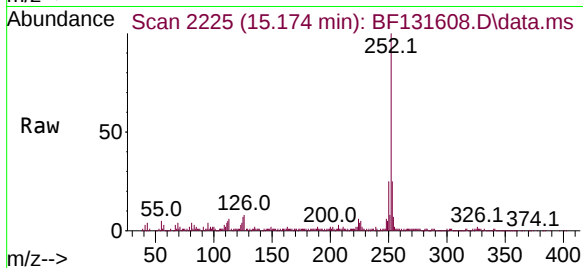
125 6.9 5.6 8.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/13/2022

Supervised By :Jagrut Upadhyay 12/13/2022



#89

Benzo(k)fluoranthene

Concen: 7.402 ng m

RT: 15.198 min Scan# 2229

Delta R.T. -0.006 min

Lab File: BF131608.D

Acq: 12 Dec 2022 23:25

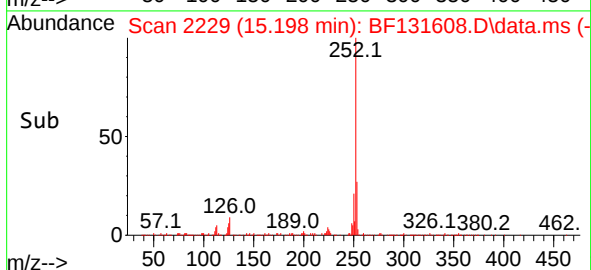
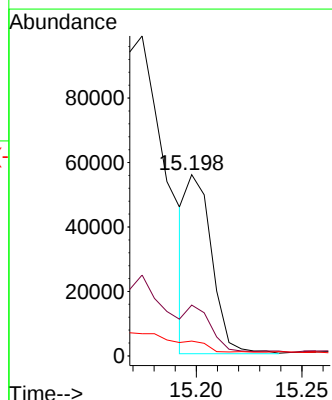
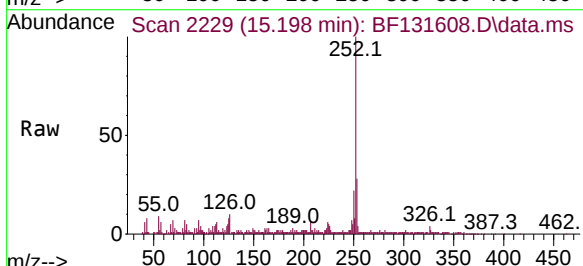
Tgt Ion:252 Resp: 46314

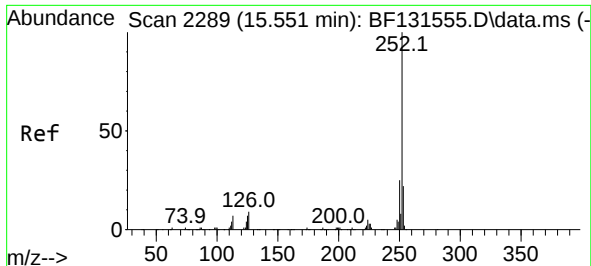
Ion Ratio Lower Upper

252 100

253 28.0 17.7 26.5#

125 8.2 4.9 7.3#





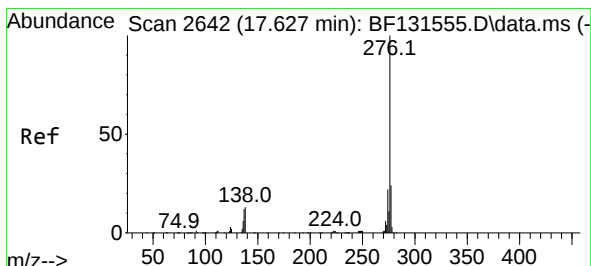
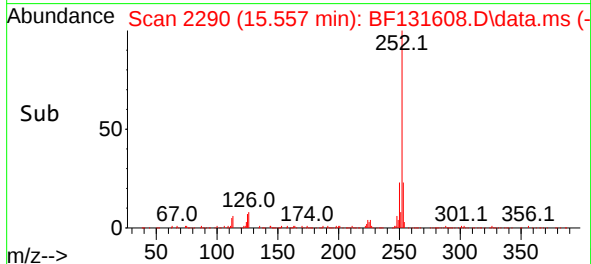
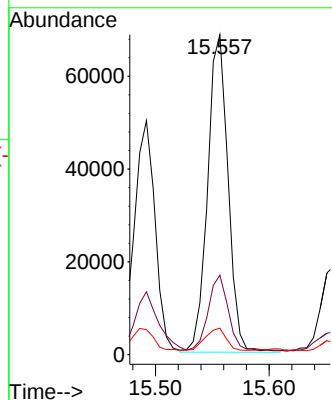
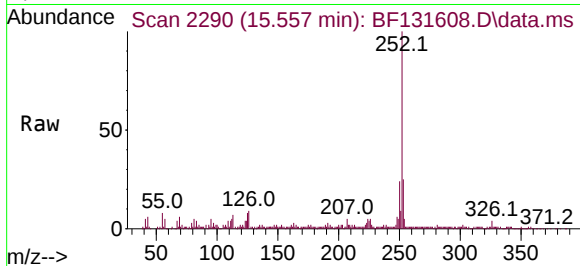
#90
Benzo(a)pyrene
Concen: 16.733 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Instrument :
BNA_F
ClientSampleId :
2802-COMP

Tgt Ion:252 Resp: 85602
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 8.3 5.6 8.4

Manual Integrations
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Reviewed By :Christian Giraldo 12/13/2022
Supervised By :Jagrut Upadhyay 12/13/2022



#92
Benzo(g,h,i)perylene
Concen: 5.947 ng
RT: 17.627 min Scan# 2642
Delta R.T. 0.000 min
Lab File: BF131608.D
Acq: 12 Dec 2022 23:25

Tgt Ion:276 Resp: 36515
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 14.9 10.7 16.1

