

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130867.D
 Acq On : 29 Oct 2022 20:20
 Operator : CG\JU
 Sample : N5267-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-1024

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:27:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	59299	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	165299	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	81833	20.000	ng	0.01
64) Phenanthrene-d10	11.504	188	157658	20.000	ng	# 0.02
76) Chrysene-d12	14.145	240	115373	20.000	ng	# 0.01
86) Perylene-d12	15.668	264	88805	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	342243	100.055	ng	0.00
7) Phenol-d6	6.563	99	404196	90.933	ng	0.00
23) Nitrobenzene-d5	7.510	82	250625	91.425	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	80908	117.450	ng	0.01
45) 2-Fluorobiphenyl	9.322	172	323497	59.767	ng	0.01
79) Terphenyl-d14	13.086	244	430237	68.334	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.263	128	111458	12.924	ng	# 76
37) 2-Methylnaphthalene	8.963	142	333506	61.478	ng	96
38) 1-Methylnaphthalene	9.063	142	305848	57.933	ng	98
46) 1,1'-Biphenyl	9.428	154	31825	5.459	ng	87
52) Acenaphthene	10.045	154	60579	13.261	ng	# 86
58) Fluorene	10.563	166	110596	21.212	ng	# 86
71) Phenanthrene	11.533	178	520593	63.977	ng	# 96
72) Anthracene	11.580	178	102417	12.761	ng	# 88
75) Fluoranthene	12.722	202	366240	42.361	ng	97
78) Pyrene	12.951	202	357049	36.681	ng	98
81) Benzo(a)anthracene	14.133	228	112114	14.657	ng	# 93
83) Chrysene	14.168	228	95742	12.976	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.116	149	26837	6.374	ng	# 83
87) Indeno(1,2,3-cd)pyrene	17.227	276	40057	6.792	ng	# 94
88) Benzo(b)fluoranthene	15.215	252	92539m	16.120	ng	
89) Benzo(k)fluoranthene	15.245	252	34857m	6.231	ng	
90) Benzo(a)pyrene	15.604	252	67628	14.655	ng	# 67
92) Benzo(g,h,i)perylene	17.698	276	39056	7.963	ng	# 88

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

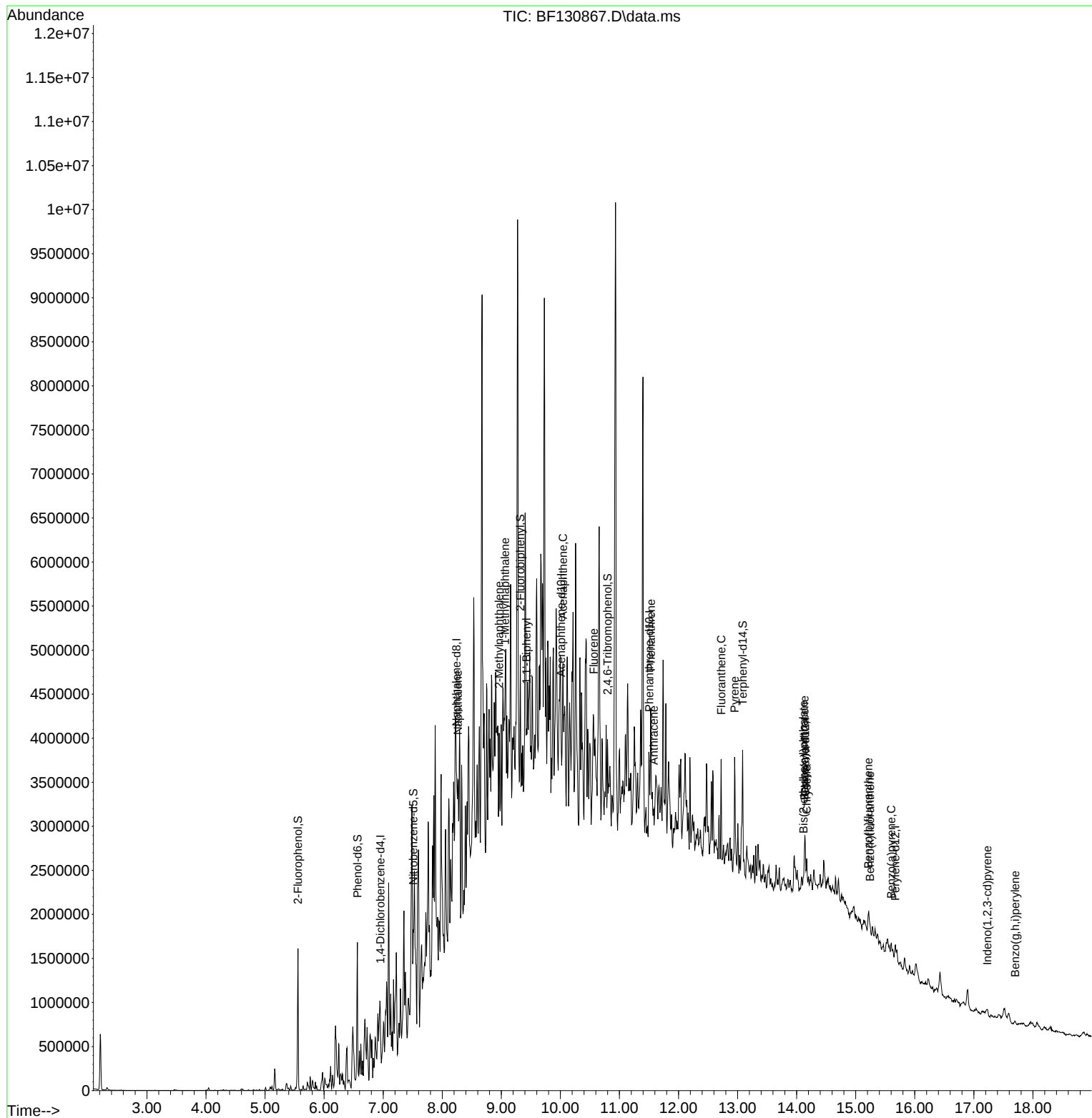
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130867.D
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Operator : CG\JU
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ALS Vial : 18 Sample Multiplier: 1

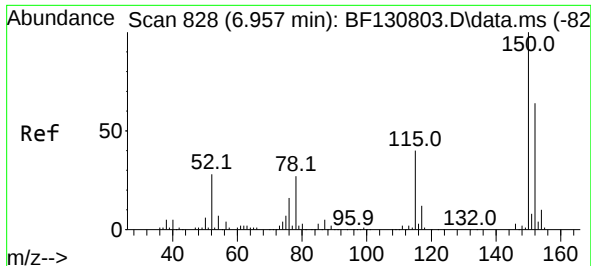
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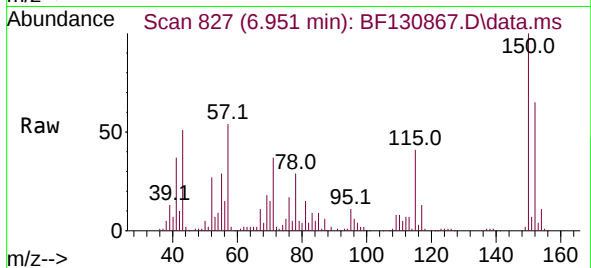
Quant Time: Oct 30 23:27:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

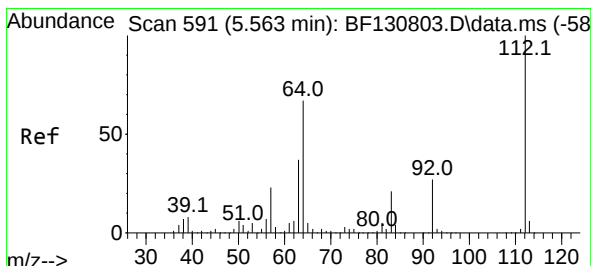
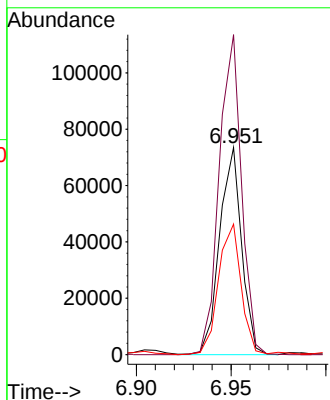
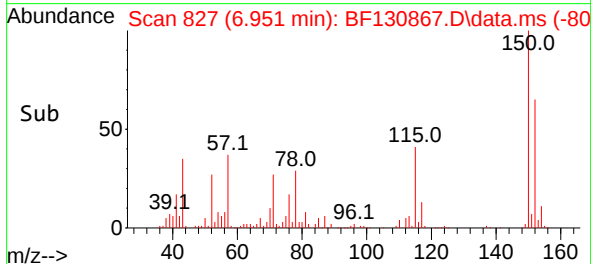
Instrument :
BNA_F
ClientSampleId :
TP3-1024



Tgt Ion:152 Resp: 59299
Ion Ratio Lower Upper
152 100
150 154.5 124.1 186.1
115 63.0 50.1 75.1

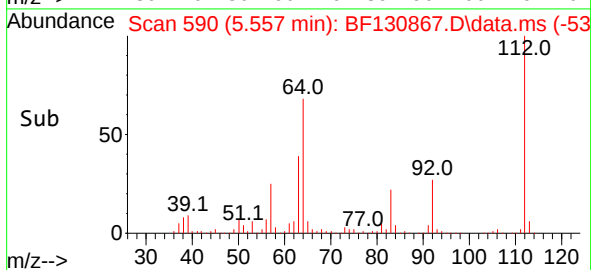
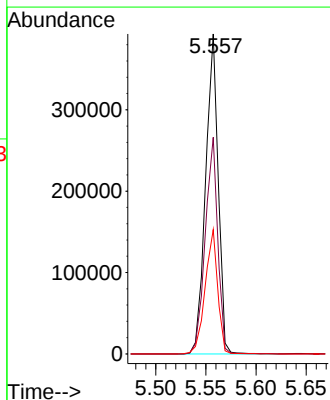
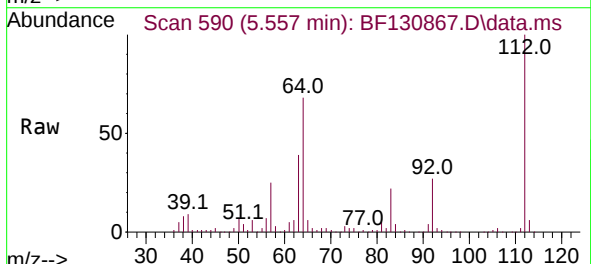
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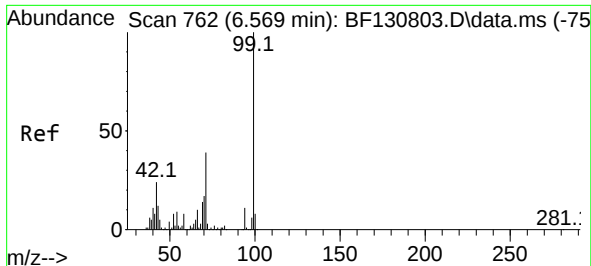
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 100.055 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

Tgt Ion:112 Resp: 342243
Ion Ratio Lower Upper
112 100
64 67.7 53.9 80.9
63 38.8 29.4 44.2





#7

Phenol-d6

Concen: 90.933 ng

RT: 6.563 min Scan# 762

Delta R.T. -0.000 min

Lab File: BF130867.D

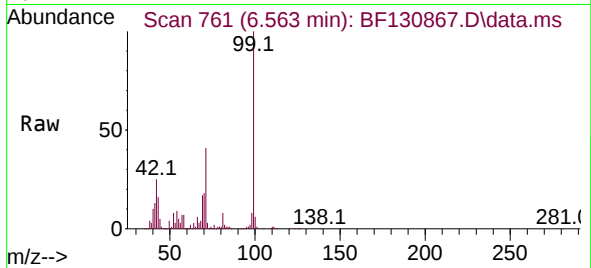
Acq: 29 Oct 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP3-1024



Tgt Ion: 99 Resp: 404196

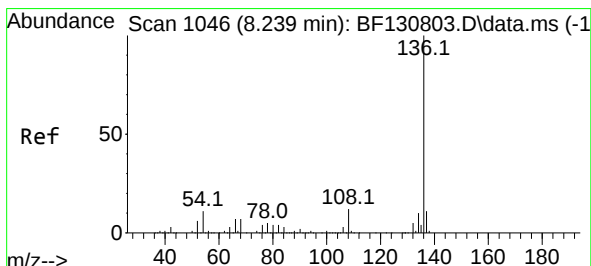
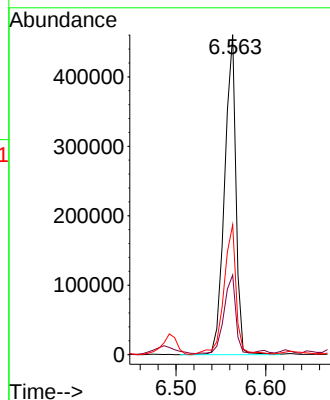
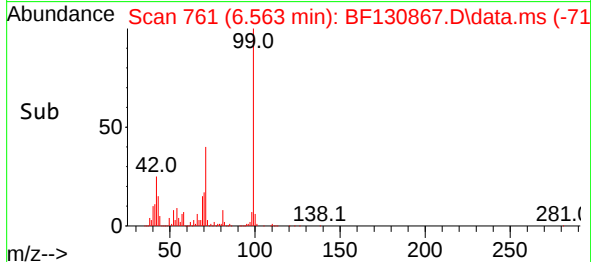
Ion	Ratio	Lower	Upper
99	100		
42	24.9	18.8	28.2
71	40.6	31.4	47.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1046

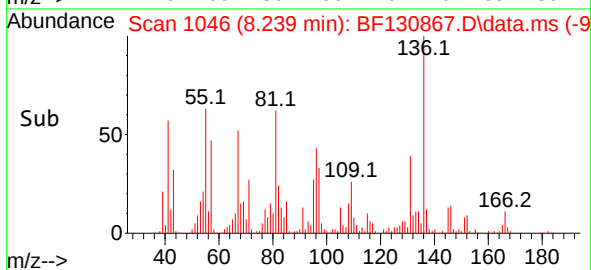
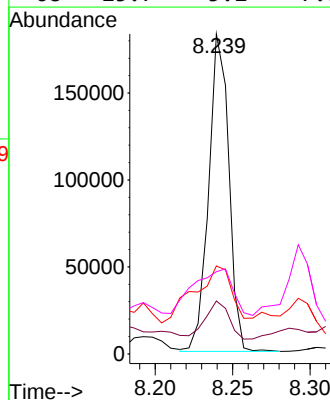
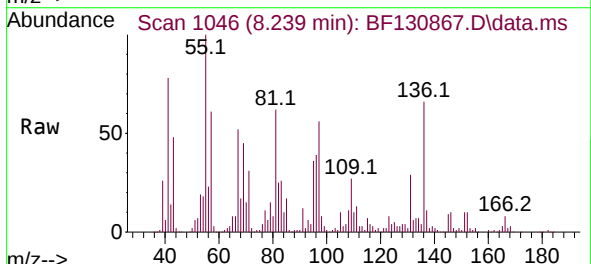
Delta R.T. 0.006 min

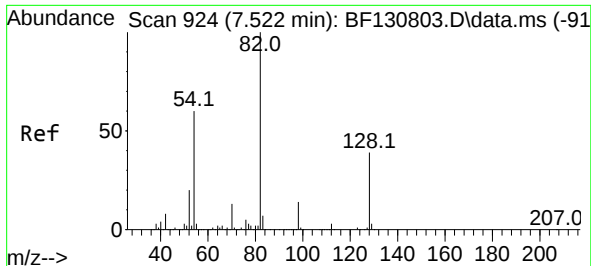
Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Tgt Ion:136 Resp: 165299

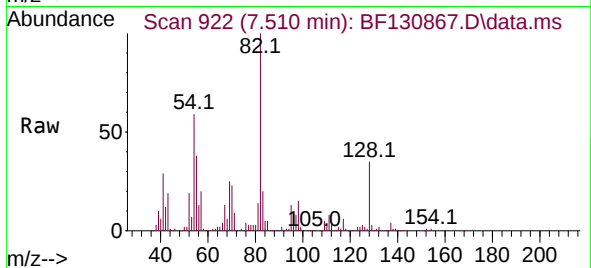
Ion	Ratio	Lower	Upper
136	100		
137	16.5	9.2	13.8#
54	27.5	8.8	13.2#
68	25.7	5.2	7.8#





#23
Nitrobenzene-d5
Concen: 91.425 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

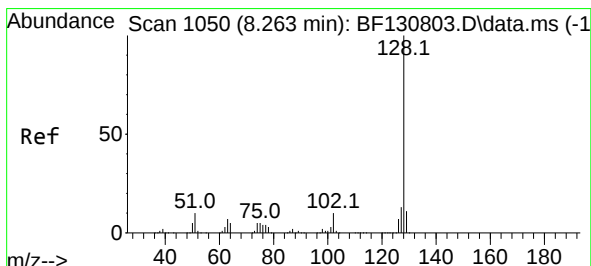
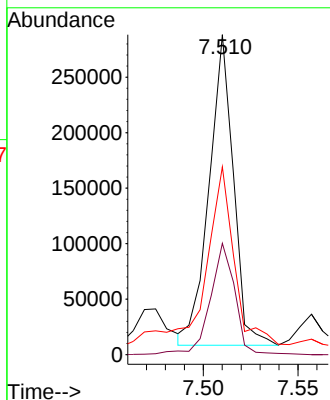
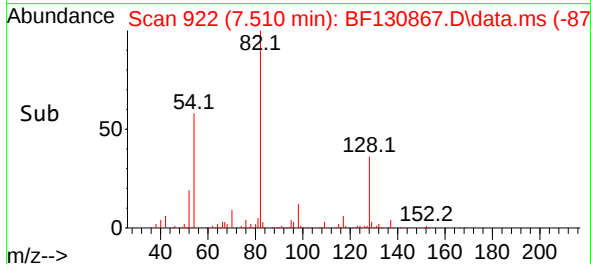
Instrument :
BNA_F
ClientSampleId :
TP3-1024



Tgt Ion: 82 Resp: 250625
Ion Ratio Lower Upper
82 100
128 34.8 31.2 46.8
54 58.7 48.0 72.0

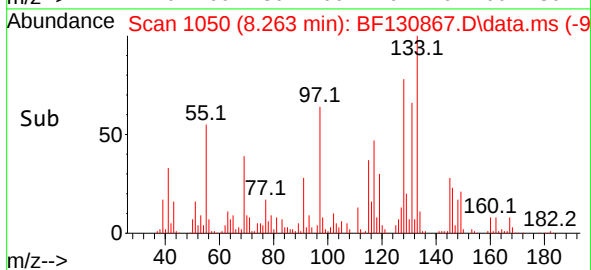
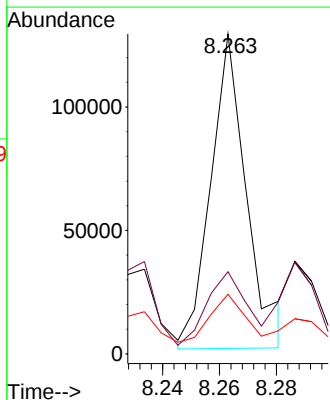
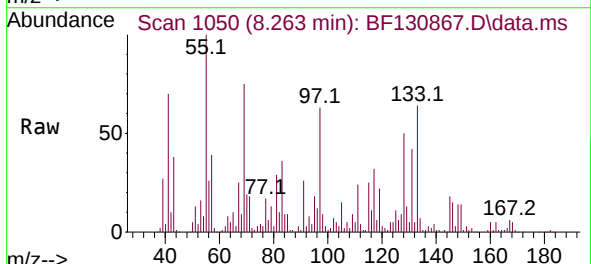
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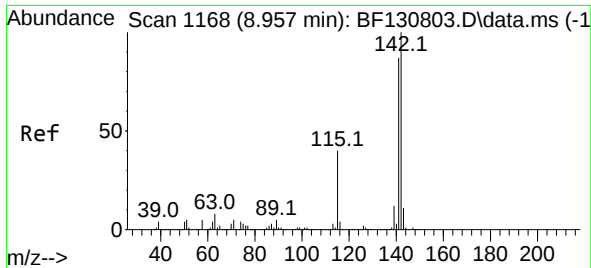
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#31
Naphthalene
Concen: 12.924 ng
RT: 8.263 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

Tgt Ion:128 Resp: 111458
Ion Ratio Lower Upper
128 100
129 25.7 9.0 13.6#
127 18.6 10.6 16.0#





#37

2-Methylnaphthalene

Concen: 61.478 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.018 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP3-1024

Tgt Ion:142 Resp: 333506

Ion Ratio Lower Upper

142 100

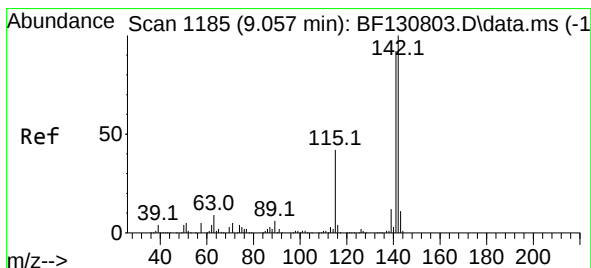
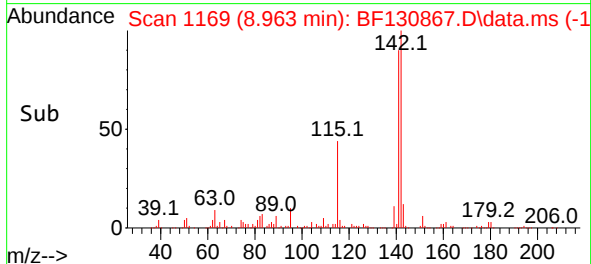
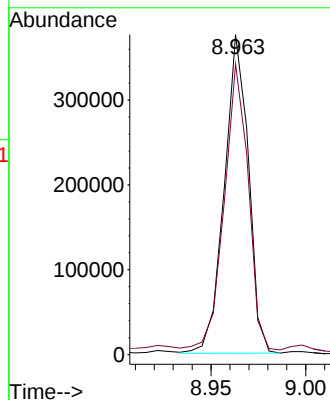
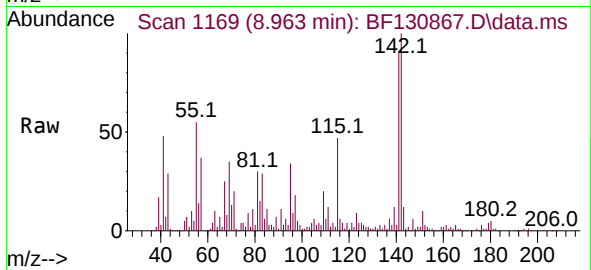
141 90.8 69.9 104.9

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#38

1-Methylnaphthalene

Concen: 57.933 ng

RT: 9.063 min Scan# 1186

Delta R.T. 0.012 min

Lab File: BF130867.D

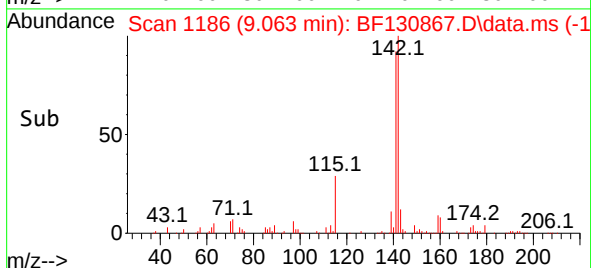
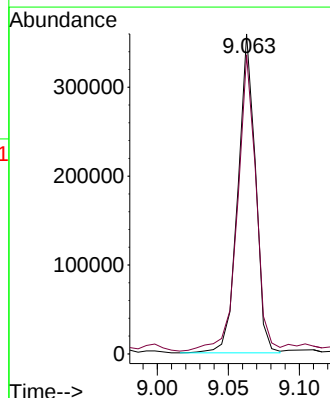
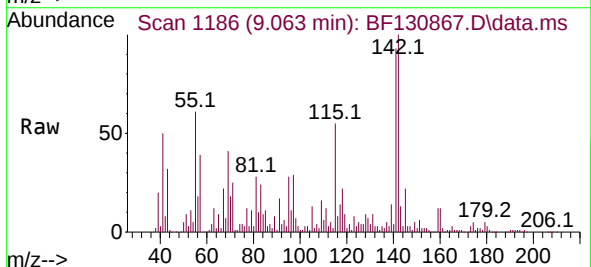
Acq: 29 Oct 2022 20:20

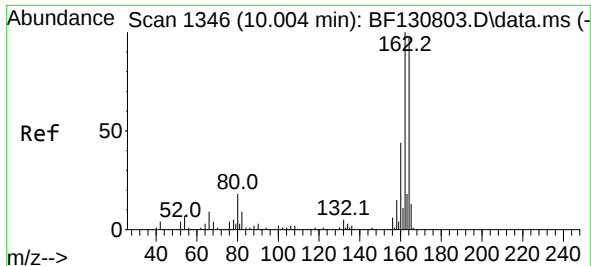
Tgt Ion:142 Resp: 305848

Ion Ratio Lower Upper

142 100

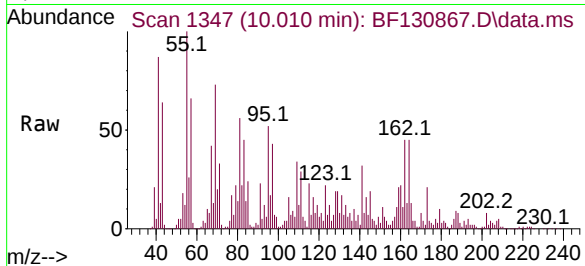
141 93.5 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1346
Delta R.T. 0.012 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

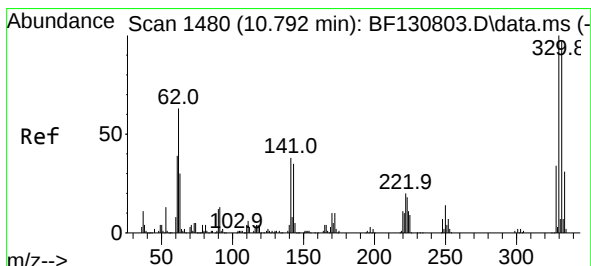
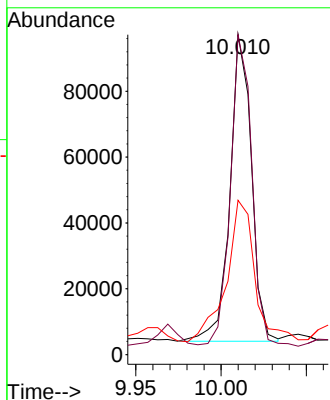
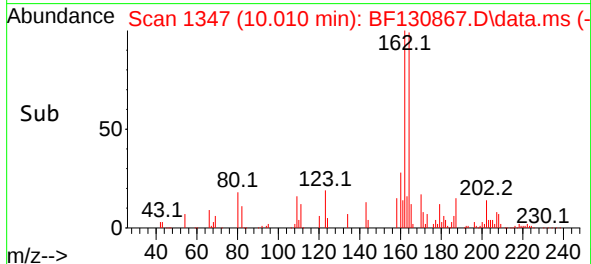
Instrument :
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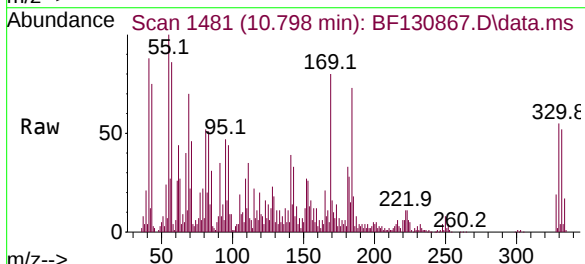
Tgt Ion:164 Resp: 81833
Ion Ratio Lower Upper
164 100
162 99.9 82.2 123.2
160 48.2 36.6 54.8

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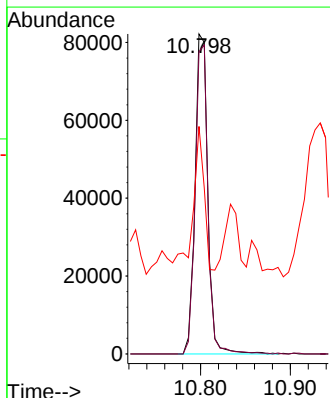
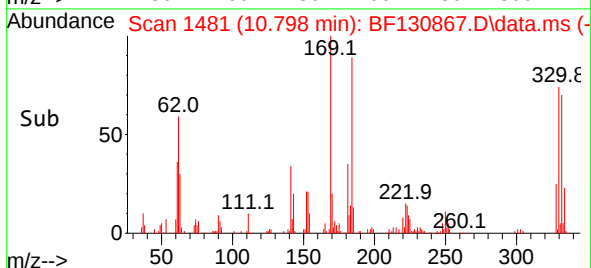
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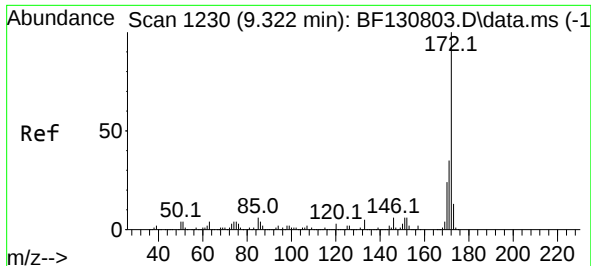


#42
2,4,6-Tribromophenol
Concen: 117.450 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.012 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20



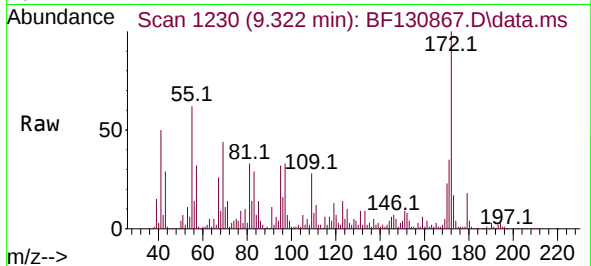
Tgt Ion:330 Resp: 80908
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 37.5 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 59.767 ng
RT: 9.322 min Scan# 1230
Delta R.T. 0.012 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

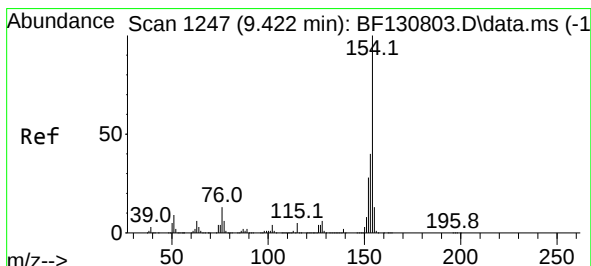
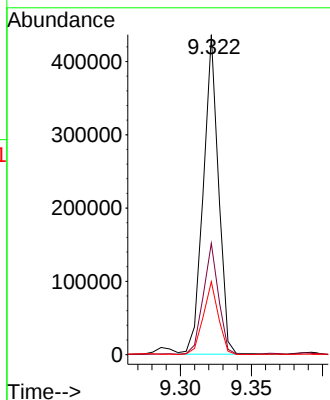
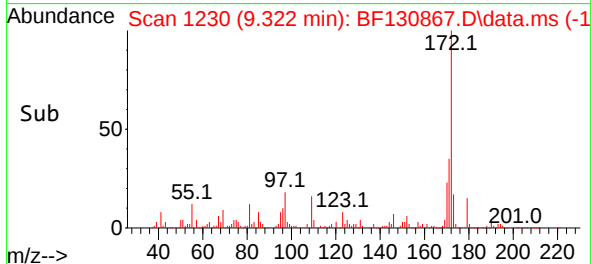
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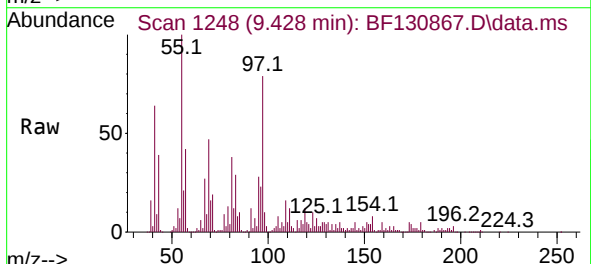
Tgt Ion:172 Resp: 323497
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 22.8 19.0 28.4

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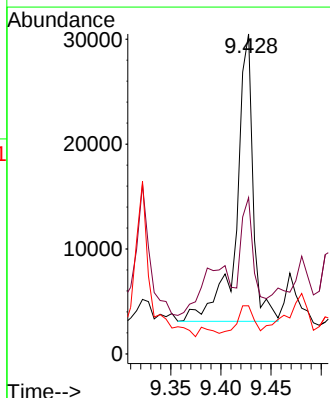
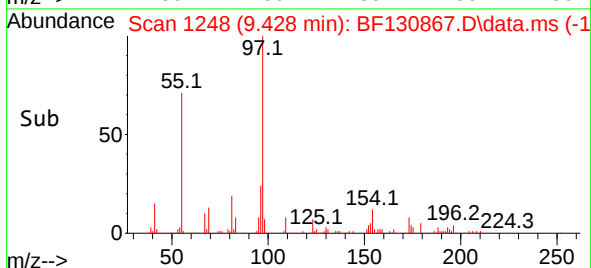
Reviewed By :Christian Giraldo 10/31/2022
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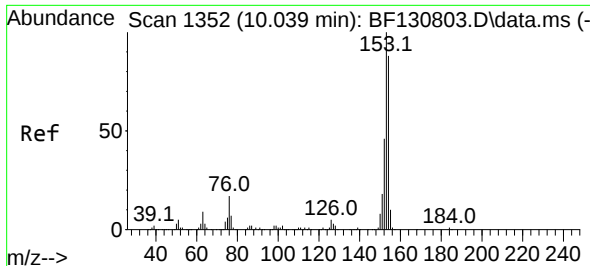


#46
1,1'-Biphenyl
Concen: 5.459 ng
RT: 9.428 min Scan# 1248
Delta R.T. 0.012 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20



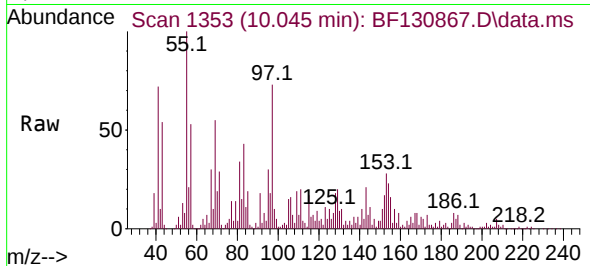
Tgt Ion:154 Resp: 31825
Ion Ratio Lower Upper
154 100
153 48.8 19.9 59.9
76 15.0 0.0 32.5





#52
Acenaphthene
Concen: 13.261 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.012 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

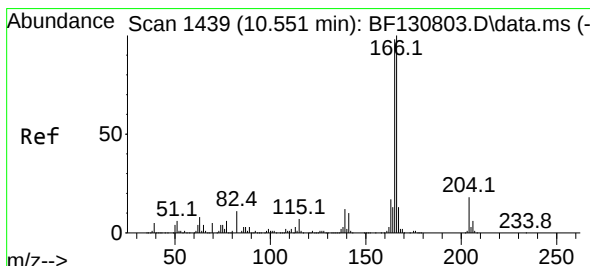
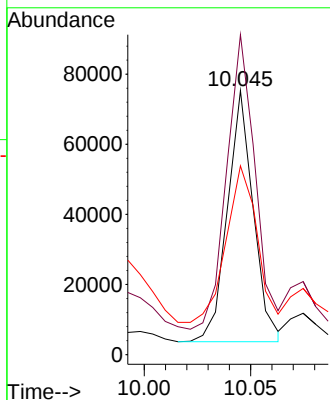
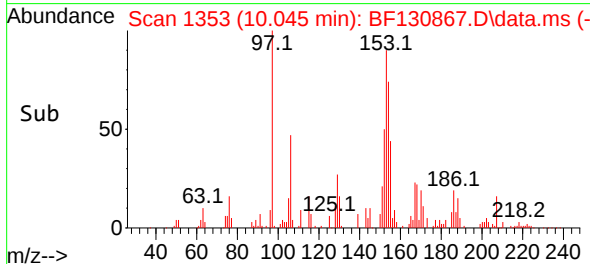
Instrument :
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TP3-1024



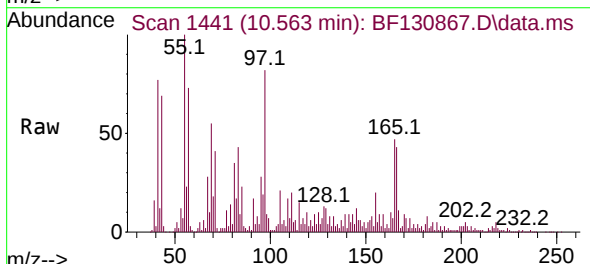
Tgt Ion:154 Resp: 60579
Ion Ratio Lower Upper
154 100
153 121.2 90.5 135.7
152 71.5 42.0 63.0

Manual Integrations
APPROVED

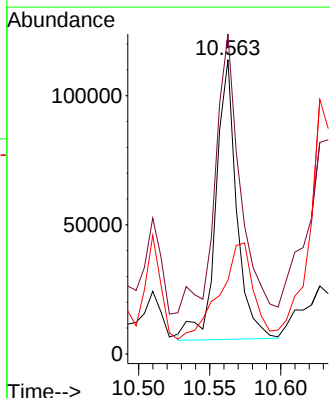
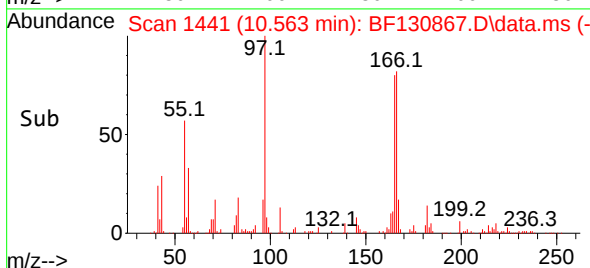
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

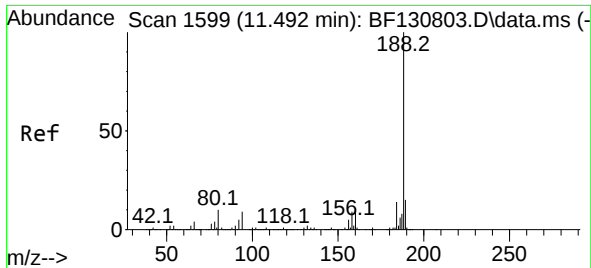


#58
Fluorene
Concen: 21.212 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.018 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20



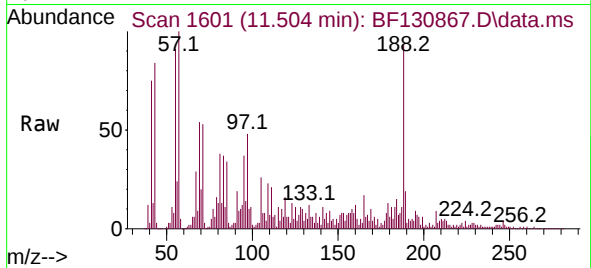
Tgt Ion:166 Resp: 110596
Ion Ratio Lower Upper
166 100
165 108.8 78.1 117.1
167 25.1 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.018 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

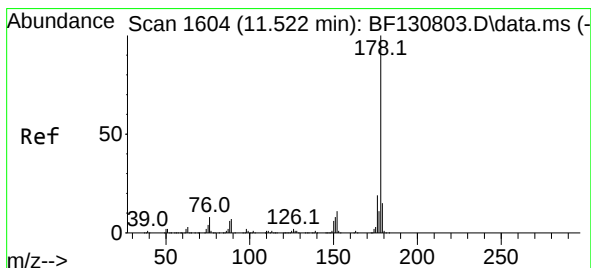
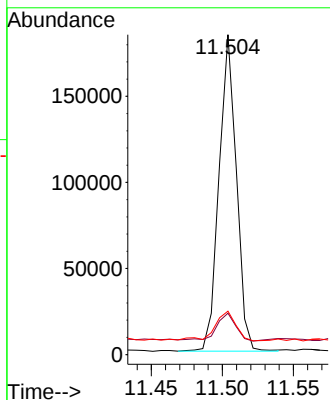
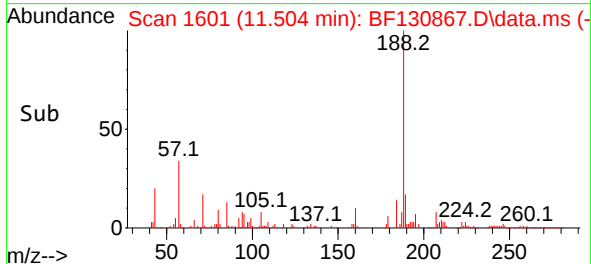
Instrument :
BNA_F
ClientSampleId :
TP3-1024



Tgt Ion:188 Resp: 157658
Ion Ratio Lower Upper
188 100
94 12.9 7.4 11.2
80 13.6 8.0 12.0

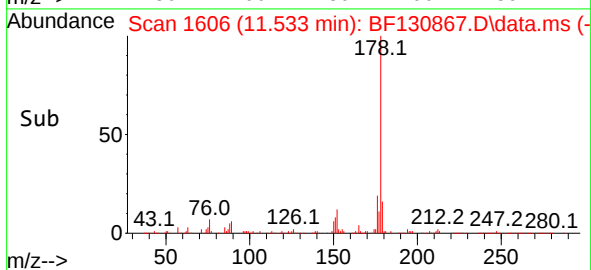
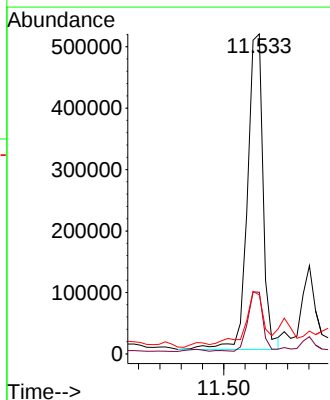
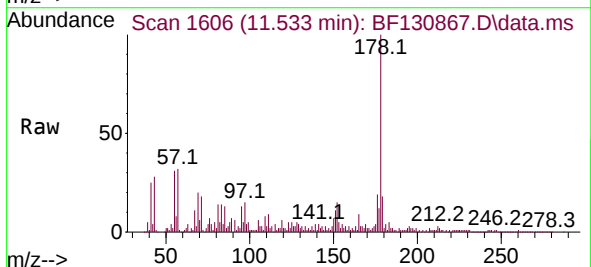
Manual Integrations
APPROVED

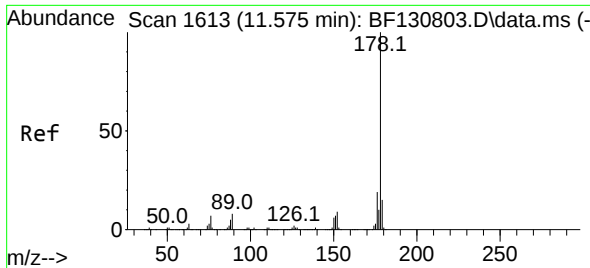
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 63.977 ng
RT: 11.533 min Scan# 1606
Delta R.T. 0.023 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

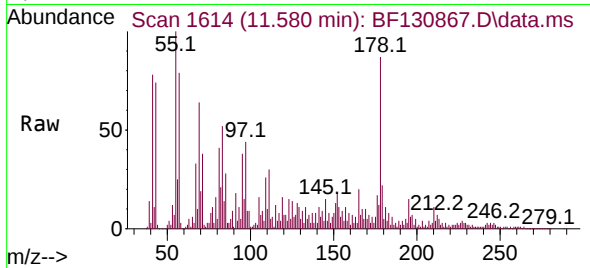
Tgt Ion:178 Resp: 520593
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 18.4 12.2 18.2





#72
 Anthracene
 Concen: 12.761 ng
 RT: 11.580 min Scan# 1613
 Delta R.T. 0.018 min
 Lab File: BF130867.D
 Acq: 29 Oct 2022 20:20

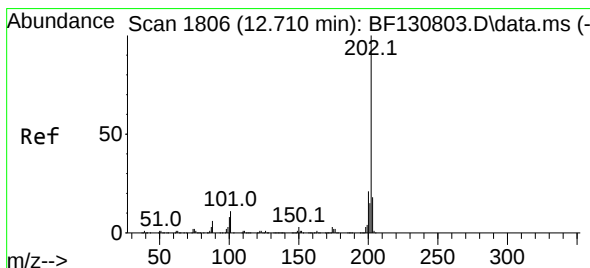
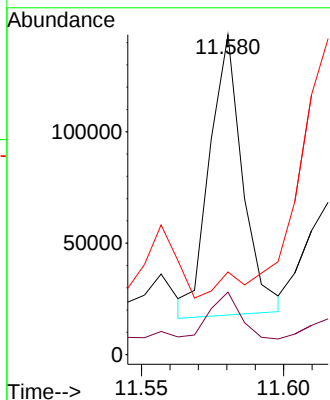
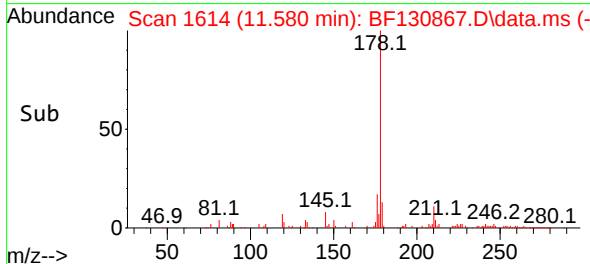
Instrument :
 BNA_F
 ClientSampleId :
 TP3-1024



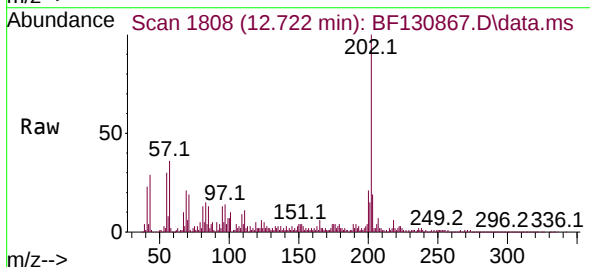
Tgt Ion:178 Resp: 102417
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 25.8 12.2 18.4

Manual Integrations
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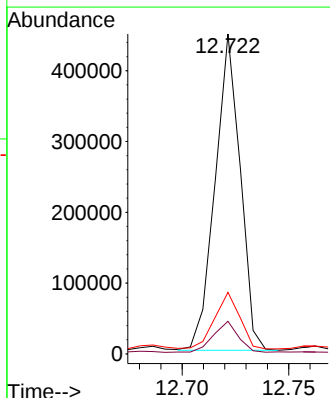
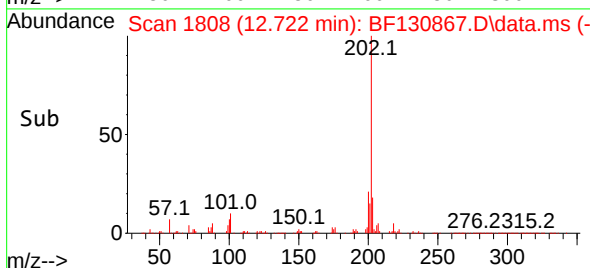
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

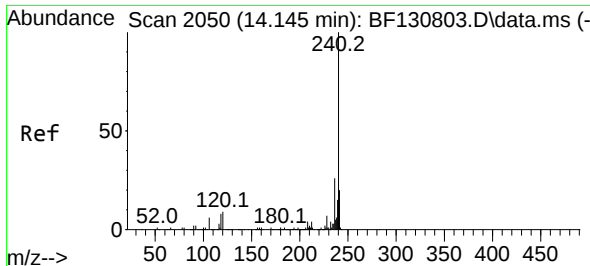


#75
 Fluoranthene
 Concen: 42.361 ng
 RT: 12.722 min Scan# 1808
 Delta R.T. 0.018 min
 Lab File: BF130867.D
 Acq: 29 Oct 2022 20:20



Tgt Ion:202 Resp: 366240
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.9
 203 19.2 0.0 37.7





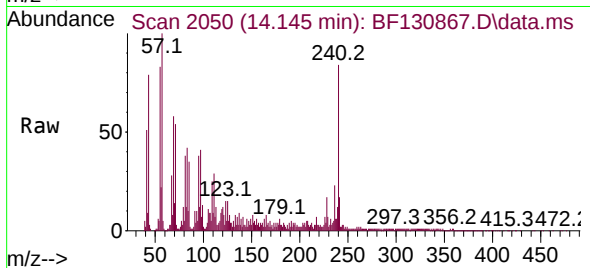
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. 0.012 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP3-1024

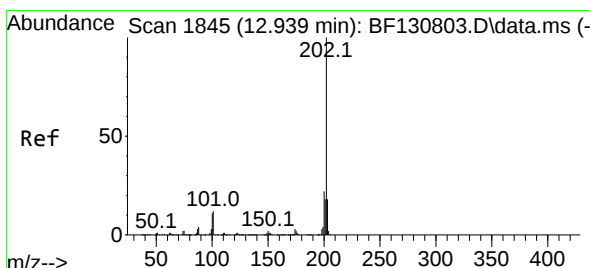
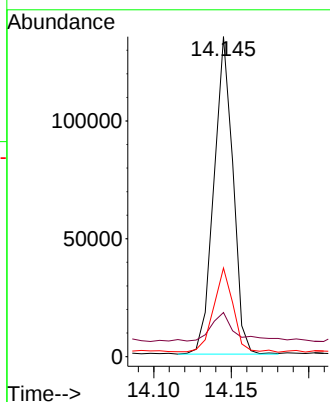
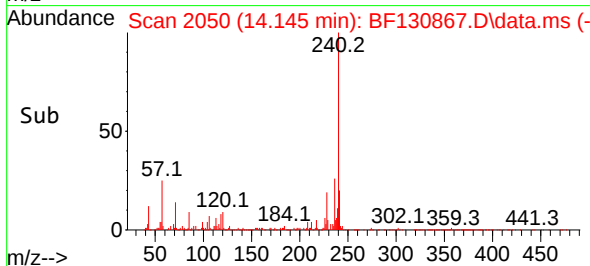


Tgt Ion:240 Resp: 115373
Ion Ratio Lower Upper
240 100
120 13.8 7.0 10.4
236 27.7 20.5 30.7

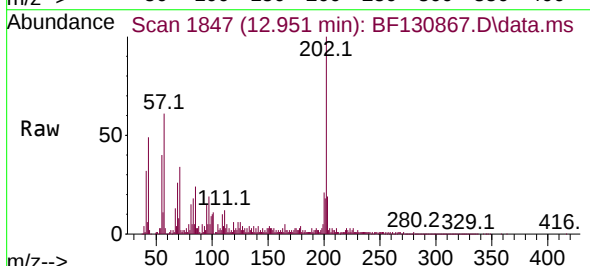
Manual Integrations

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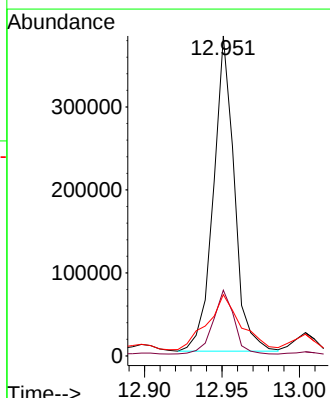
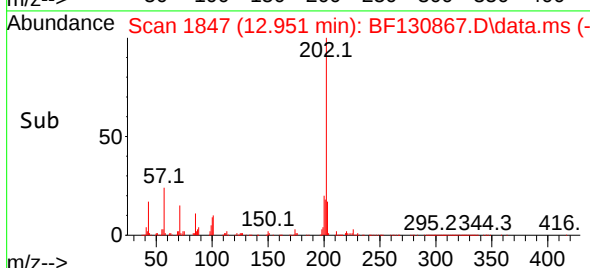
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

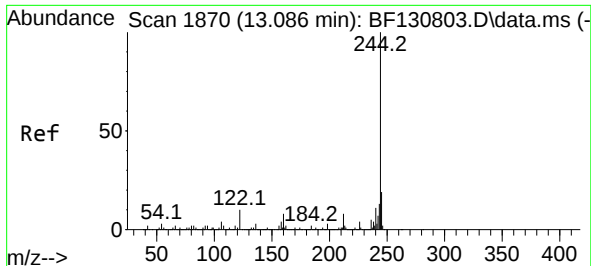


#78
Pyrene
Concen: 36.681 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.018 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20



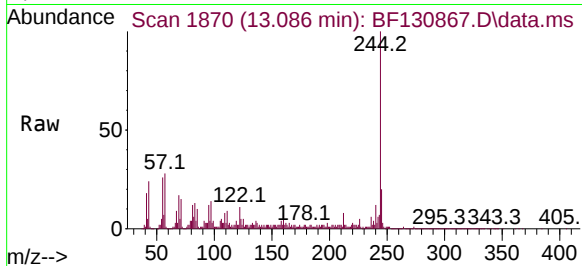
Tgt Ion:202 Resp: 357049
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 19.1 14.5 21.7





#79
 Terphenyl-d14
 Concen: 68.334 ng
 RT: 13.086 min Scan# 1870
 Delta R.T. 0.012 min
 Lab File: BF130867.D
 Acq: 29 Oct 2022 20:20

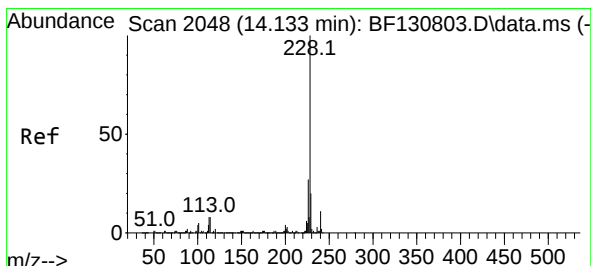
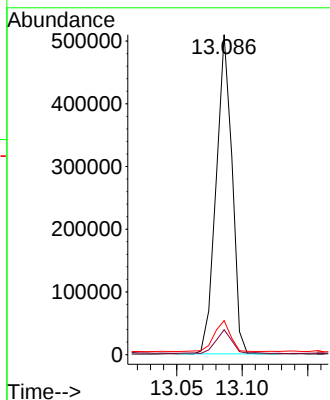
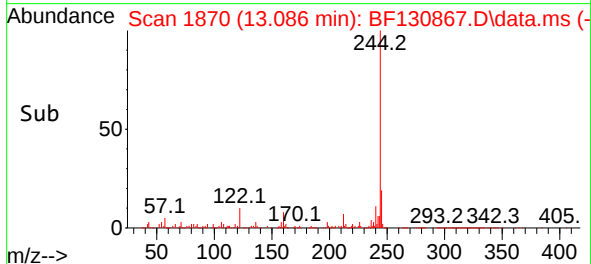
Instrument :
 BNA_F
 ClientSampleId :
 TP3-1024



Tgt Ion:244 Resp: 430237
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 10.6 7.9 11.9

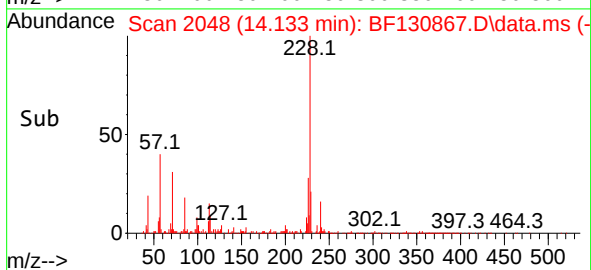
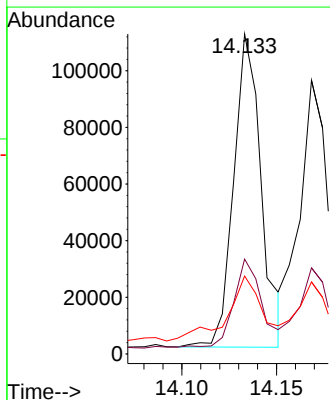
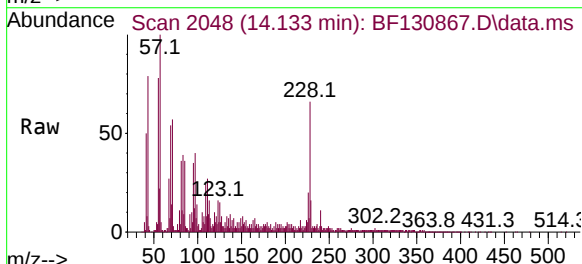
Manual Integrations
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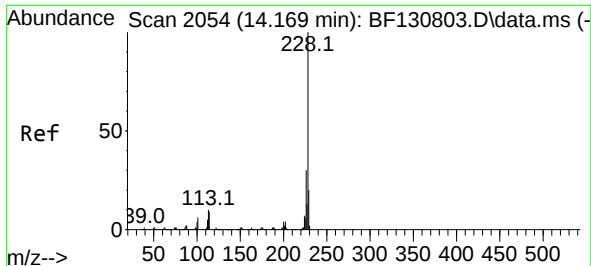
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#81
 Benzo(a)anthracene
 Concen: 14.657 ng
 RT: 14.133 min Scan# 2048
 Delta R.T. 0.012 min
 Lab File: BF130867.D
 Acq: 29 Oct 2022 20:20

Tgt Ion:228 Resp: 112114
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.4 32.2
 229 24.3 15.8 23.6#





#83

Chrysene

Concen: 12.976 ng

RT: 14.168 min Scan# 2054

Delta R.T. 0.012 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP3-1024

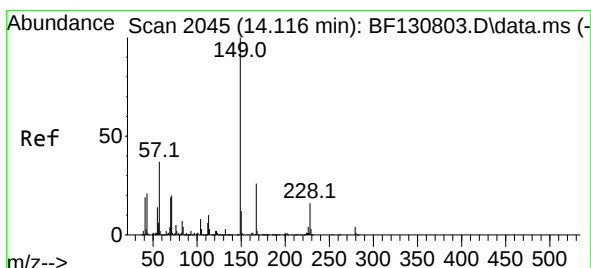
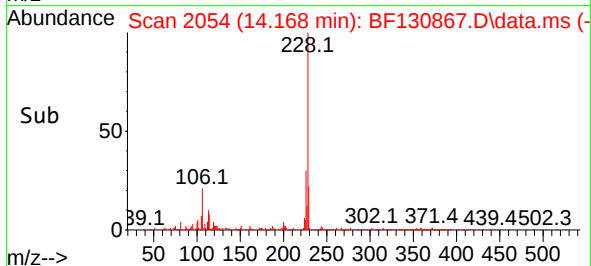
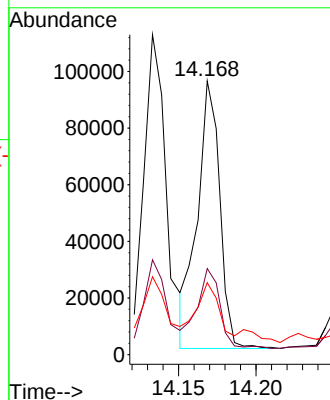
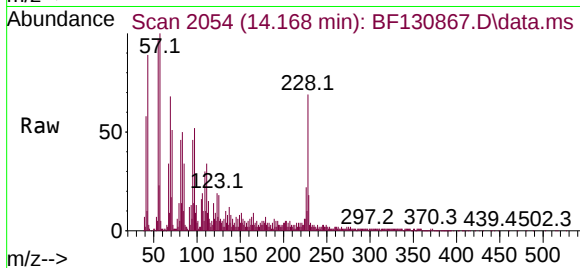
Tgt Ion:	228	Resp:	95742
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.9	35.9
229	26.3	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.374 ng

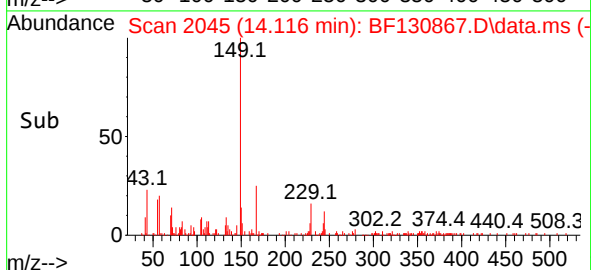
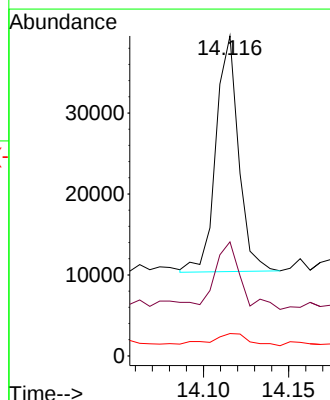
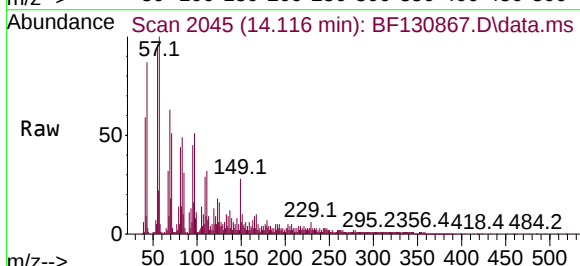
RT: 14.116 min Scan# 2045

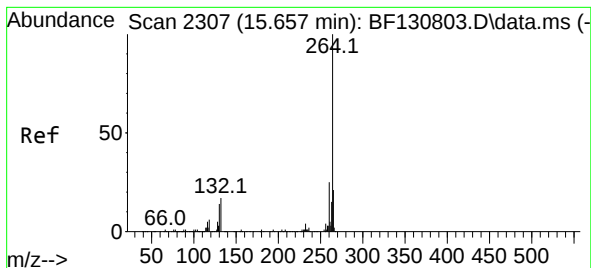
Delta R.T. 0.012 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Tgt Ion:	149	Resp:	26837
Ion Ratio	Lower	Upper	
149	100		
167	35.6	21.0	31.4#
279	7.0	3.0	4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 2309

Delta R.T. 0.023 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP3-1024

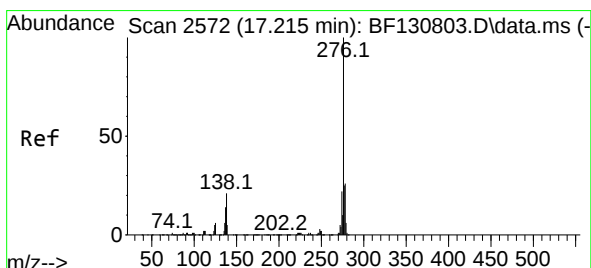
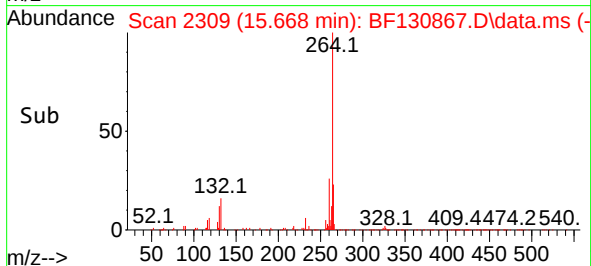
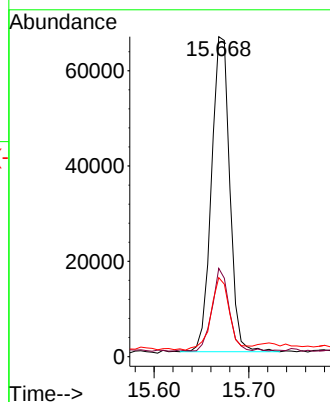
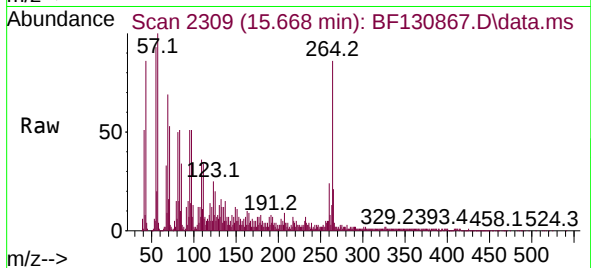
Tgt Ion:	264	Resp:	88805
Ion Ratio	Lower	Upper	
264	100		
260	27.6	19.9	29.9
265	24.7	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.792 ng

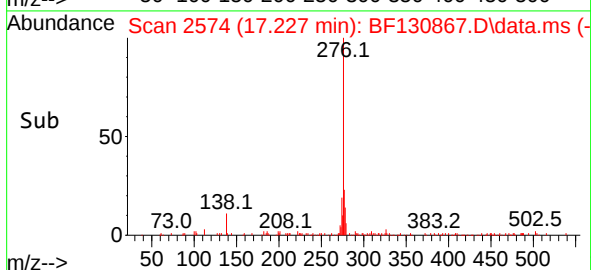
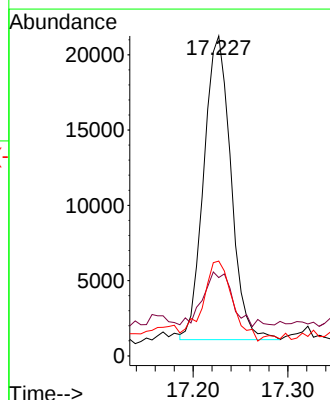
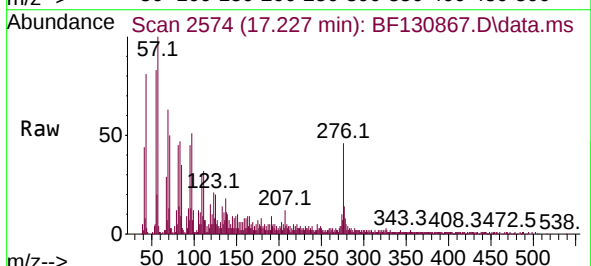
RT: 17.227 min Scan# 2574

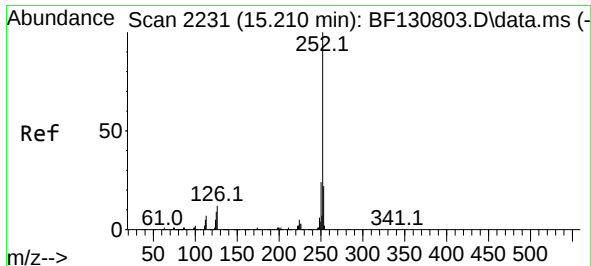
Delta R.T. 0.035 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

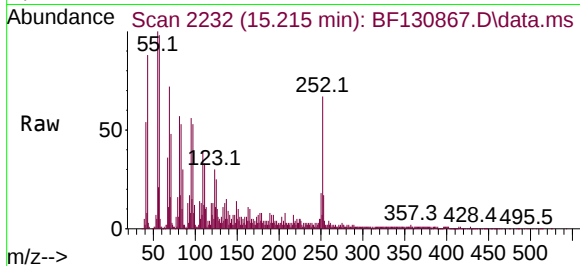
Tgt Ion:	276	Resp:	40057
Ion Ratio	Lower	Upper	
276	100		
138	18.4	19.1	28.7
277	25.6	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 16.120 ng m
RT: 15.215 min Scan# 2231
Delta R.T. 0.018 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

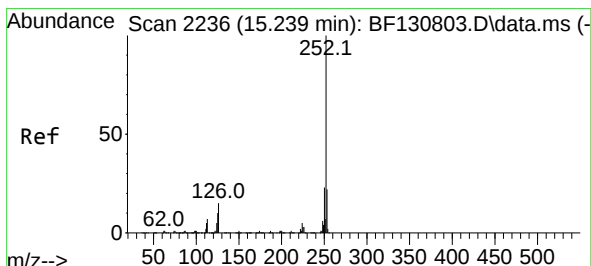
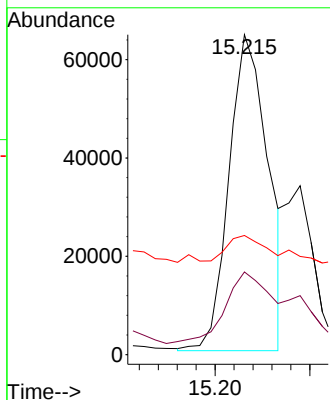
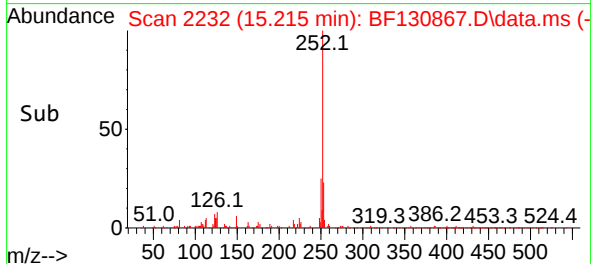
Instrument :
BNA_F
ClientSampleId :
TP3-1024



Tgt Ion:252 Resp: 92539
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 37.2 7.0 10.4

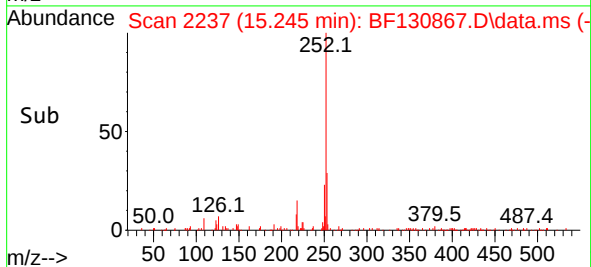
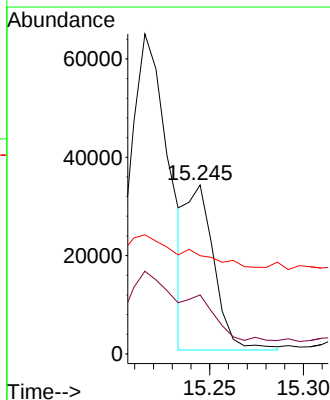
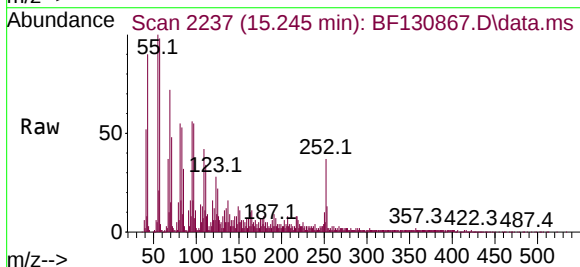
Manual Integrations
APPROVED

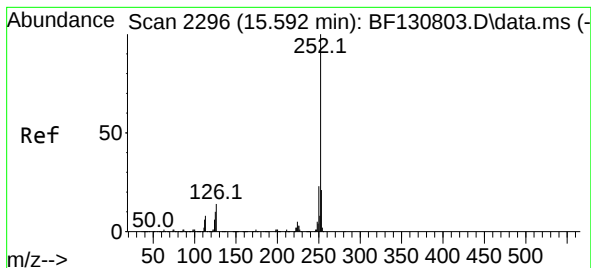
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#89
Benzo(k)fluoranthene
Concen: 6.231 ng m
RT: 15.245 min Scan# 2237
Delta R.T. 0.018 min
Lab File: BF130867.D
Acq: 29 Oct 2022 20:20

Tgt Ion:252 Resp: 34857
Ion Ratio Lower Upper
252 100
253 34.9 17.5 26.3#
125 58.1 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 14.655 ng

RT: 15.604 min Scan# 2296

Delta R.T. 0.024 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Instrument :

BNA_F

ClientSampleId :

TP3-1024

Tgt Ion:252 Resp: 67628

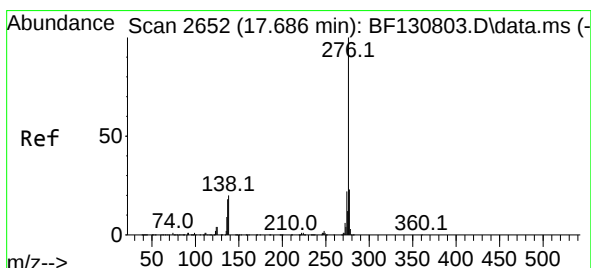
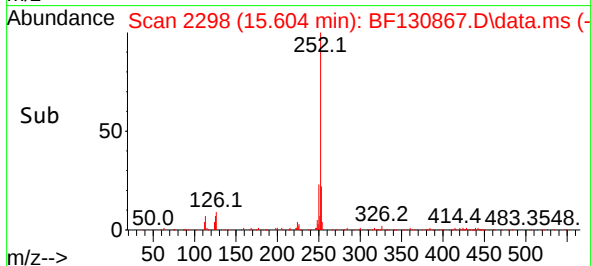
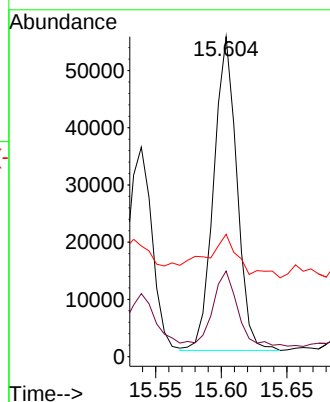
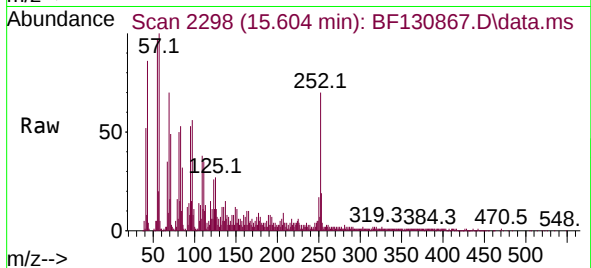
Ion	Ratio	Lower	Upper
252	100		
253	26.7	16.8	25.2
125	38.2	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#92

Benzo(g,h,i)perylene

Concen: 7.963 ng

RT: 17.698 min Scan# 2654

Delta R.T. 0.029 min

Lab File: BF130867.D

Acq: 29 Oct 2022 20:20

Tgt Ion:276 Resp: 39056

Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.8	28.2
138	27.1	16.3	24.5

