

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130869.D
 Acq On : 29 Oct 2022 21:20
 Operator : CG\JU
 Sample : N5330-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 23:27:55 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	6.945	152	62022	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	200811	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	98002	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	190651	20.000	ng	0.00
76) Chrysene-d12	14.139	240	120324	20.000	ng	0.00
86) Perylene-d12	15.656	264	91100	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	394806	110.354	ng	0.00
7) Phenol-d6	6.563	99	462643	99.512	ng	0.00
23) Nitrobenzene-d5	7.510	82	269276	80.857	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	107825	130.700	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	454699	70.147	ng	0.00
79) Terphenyl-d14	13.086	244	491097	74.791	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.510	178	98048	9.964	ng	99
72) Anthracene	11.563	178	19562	2.016	ng	99
75) Fluoranthene	12.710	202	168614	16.128	ng	98
78) Pyrene	12.945	202	149722	14.749	ng	99
81) Benzo(a)anthracene	14.127	228	56785	7.118	ng	91
83) Chrysene	14.162	228	65311	8.488	ng	95
87) Indeno(1,2,3-cd)pyrene	17.209	276	23761	3.928	ng	96
88) Benzo(b)fluoranthene	15.204	252	60835m	10.330	ng	
89) Benzo(k)fluoranthene	15.233	252	21431m	3.735	ng	
90) Benzo(a)pyrene	15.586	252	40278	8.508	ng	# 85
92) Benzo(g,h,i)perylene	17.680	276	23412	4.653	ng	94

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

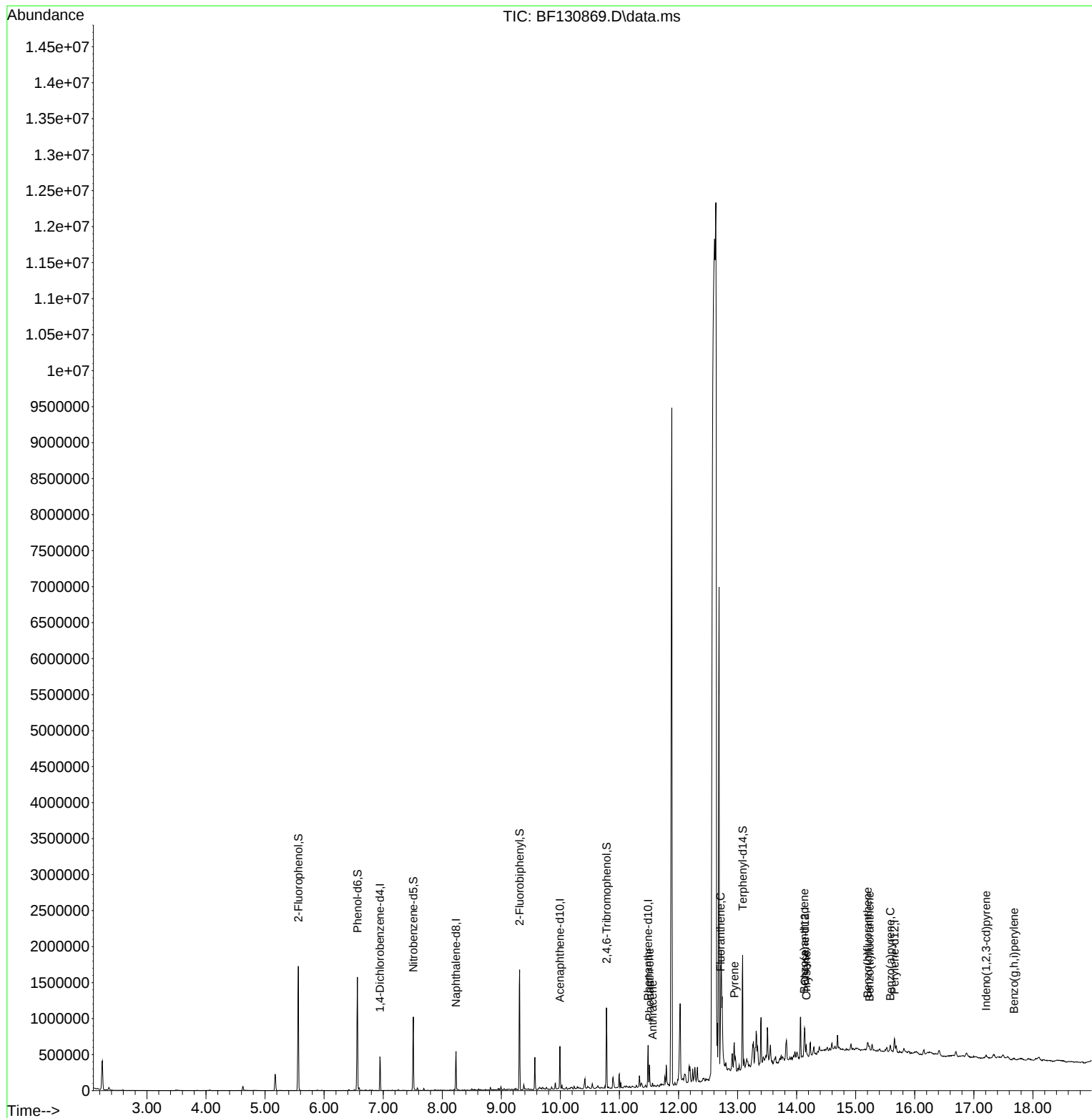
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130869.D
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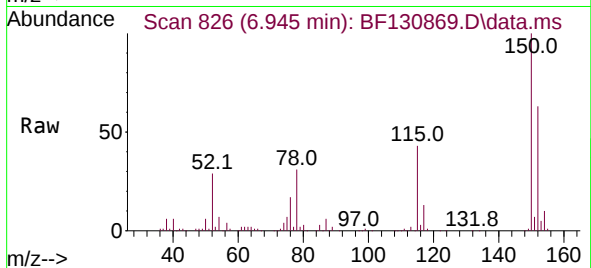
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Supervised By :Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

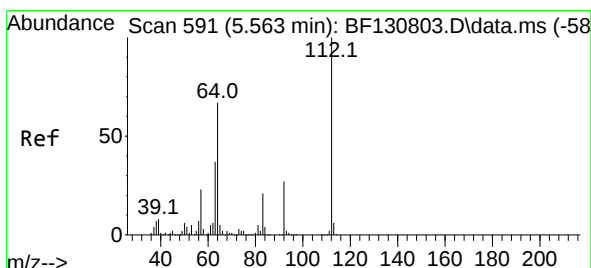
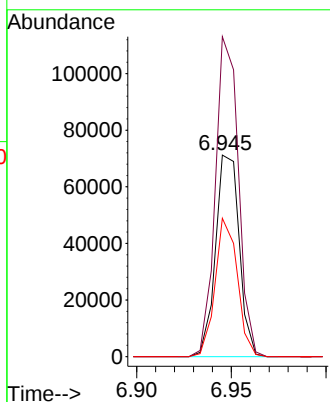
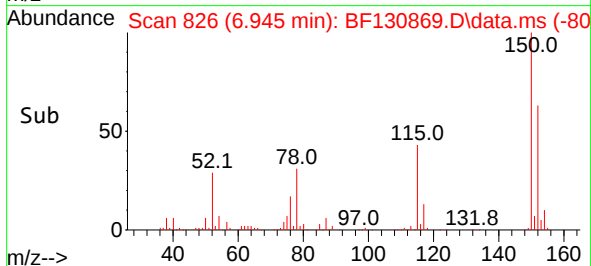
Instrument :
BNA_F
ClientSampleId :
TR-5-102722



Tgt Ion:152 Resp: 62022
Ion Ratio Lower Upper
152 100
150 158.8 124.1 186.1
115 68.6 50.1 75.1

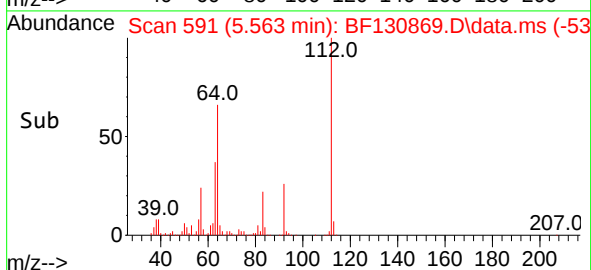
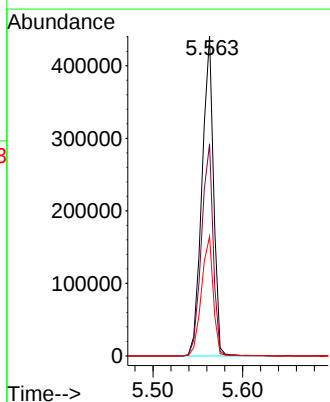
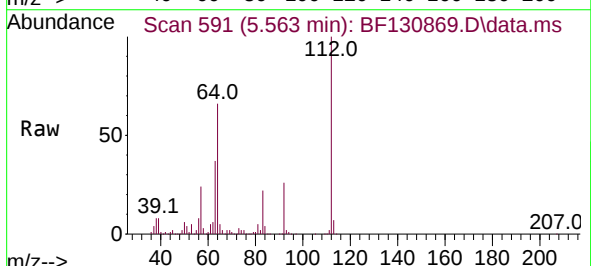
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#5
2-Fluorophenol
Concen: 110.354 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

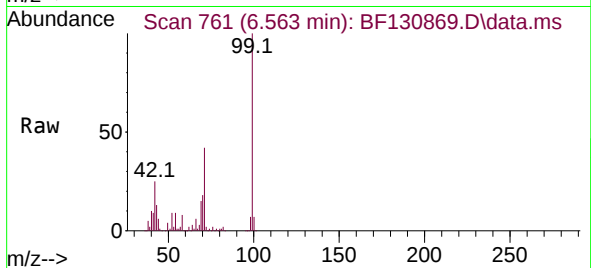
Tgt Ion:112 Resp: 394806
Ion Ratio Lower Upper
112 100
64 66.3 53.9 80.9
63 37.3 29.4 44.2





#7
Phenol-d6
Concen: 99.512 ng
RT: 6.563 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

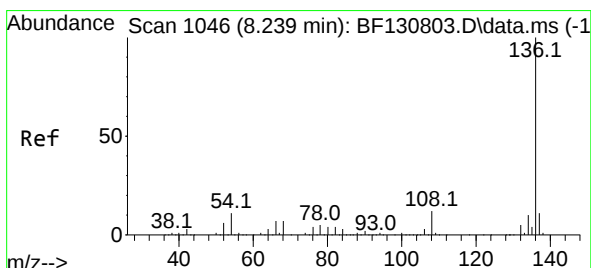
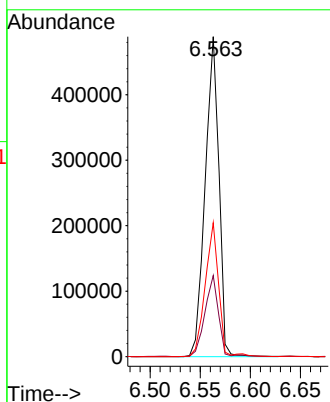
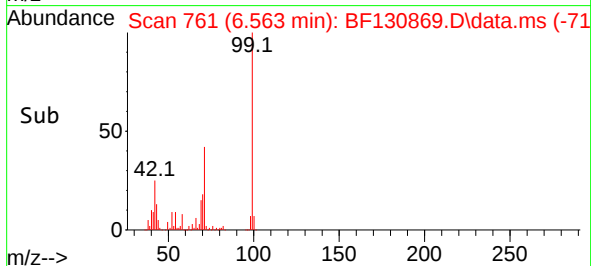
Instrument :
BNA_F
ClientSampleId :
TR-5-102722



Tgt Ion: 99 Resp: 462643
Ion Ratio Lower Upper
99 100
42 25.3 18.8 28.2
71 41.8 31.4 47.0

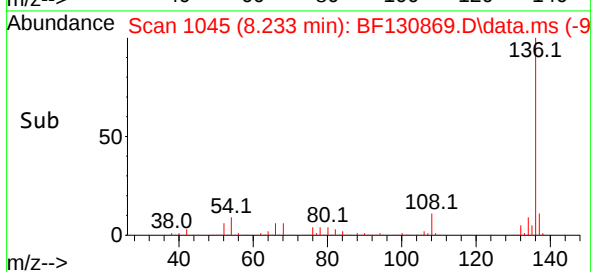
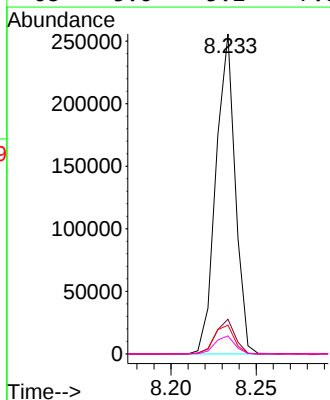
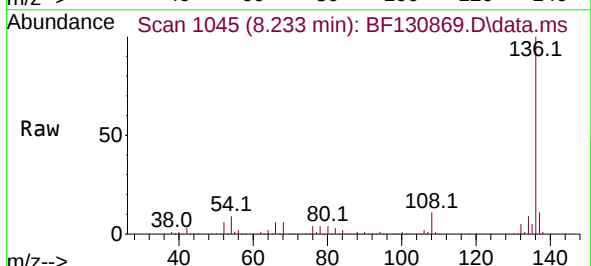
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:136 Resp: 200811
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.0 8.8 13.2
68 5.6 5.2 7.8





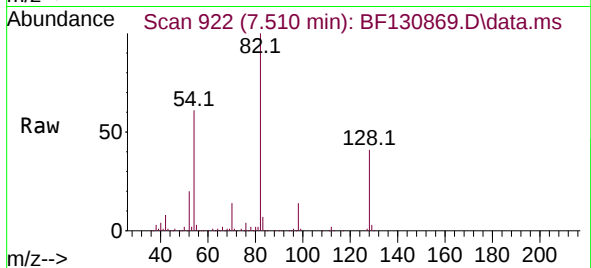
#23
Nitrobenzene-d5
Concen: 80.857 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Instrument :

BNA_F

ClientSampleId :

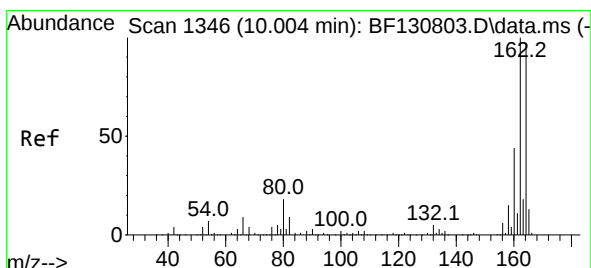
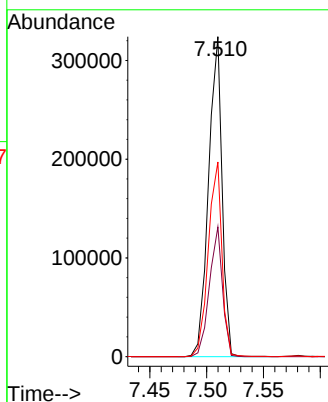
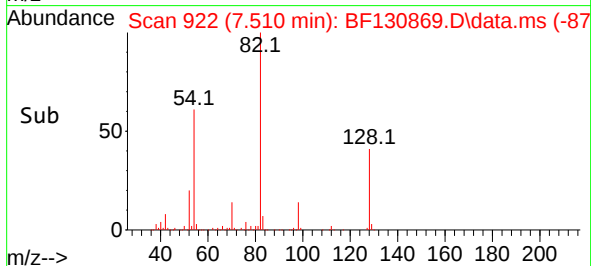
TR-5-102722



Tgt Ion: 82 Resp: 269276
Ion Ratio Lower Upper
82 100
128 40.5 31.2 46.8
54 60.8 48.0 72.0

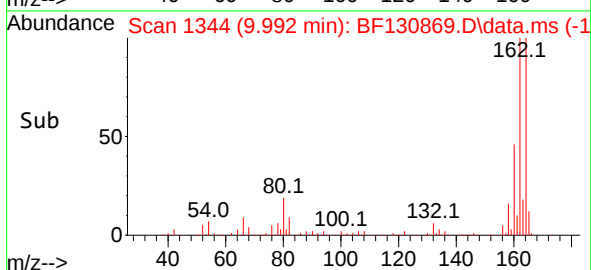
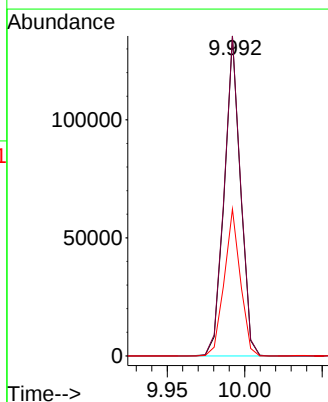
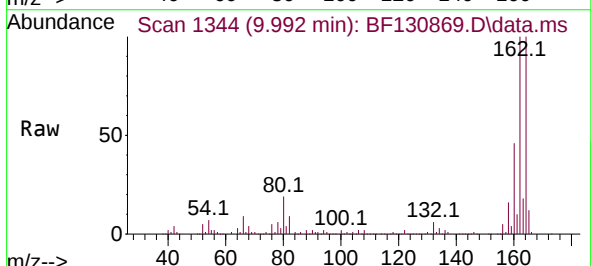
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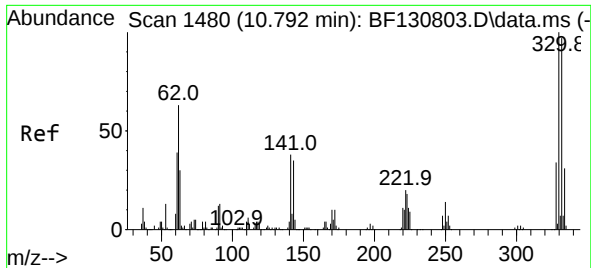
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Supervised By :Jagrut Upadhyay 11/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:164 Resp: 98002
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.2
160 45.9 36.6 54.8





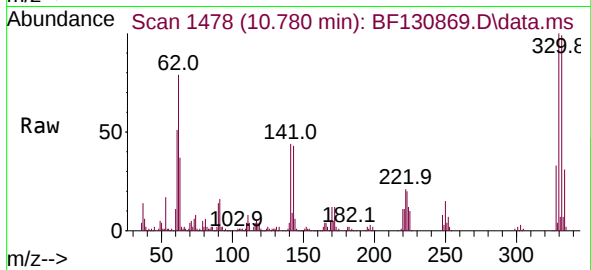
#42
2,4,6-Tribromophenol
Concen: 130.700 ng
RT: 10.780 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Instrument :

BNA_F

ClientSampleId :

TR-5-102722

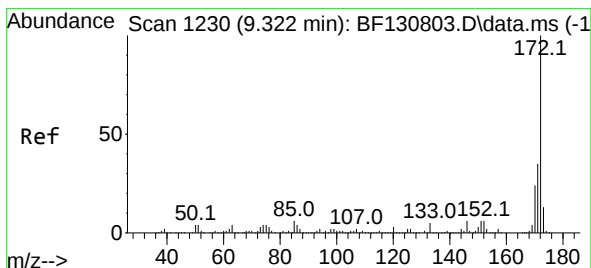
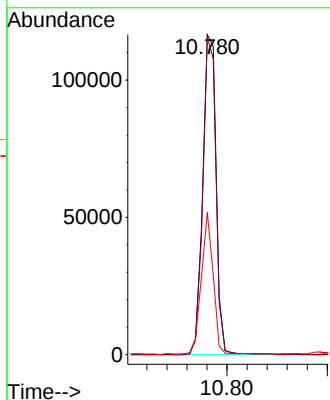
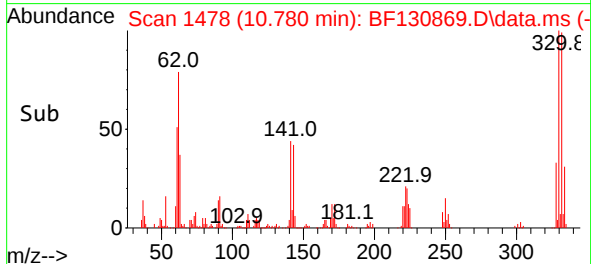


Tgt Ion: 330 Resp: 107825
Ion Ratio Lower Upper
330 100
332 96.6 76.2 114.4
141 39.9 31.4 47.0

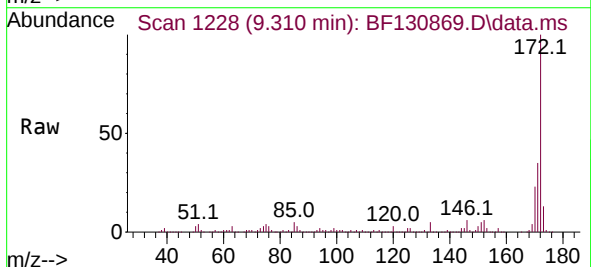
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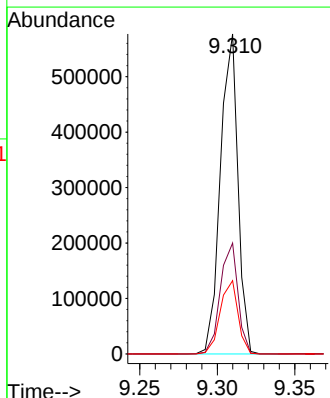
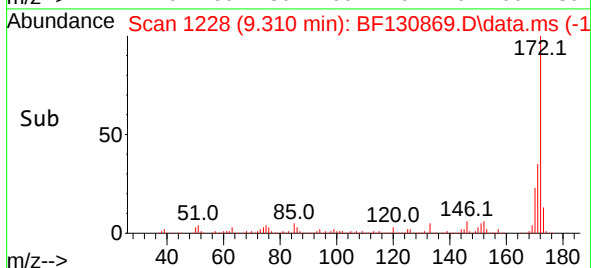
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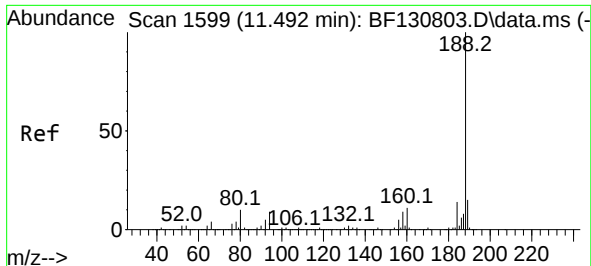


#45
2-Fluorobiphenyl
Concen: 70.147 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20



Tgt Ion: 172 Resp: 454699
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.9 19.0 28.4





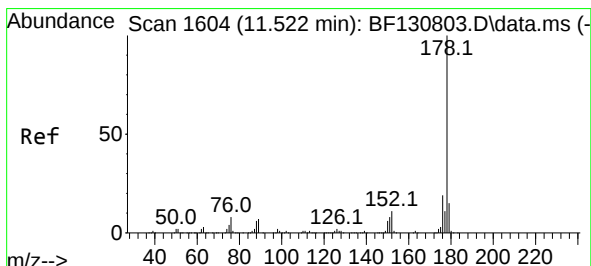
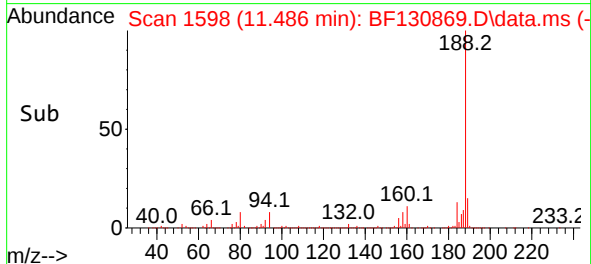
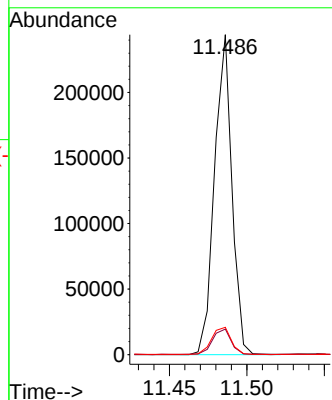
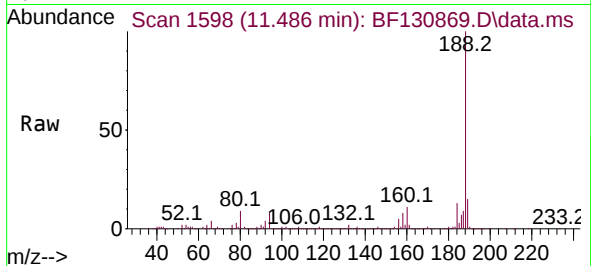
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Instrument :
BNA_F
ClientSampleId :
TR-5-102722

Tgt Ion:188 Resp: 19065
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.5 8.0 12.0

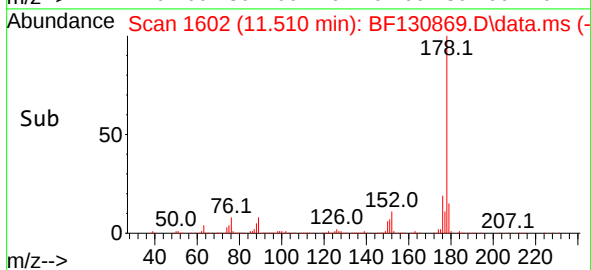
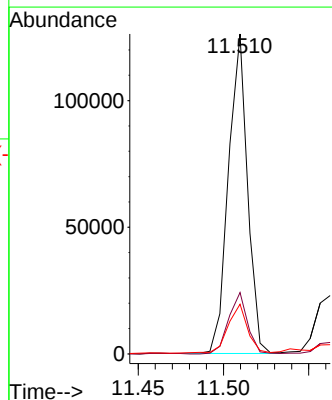
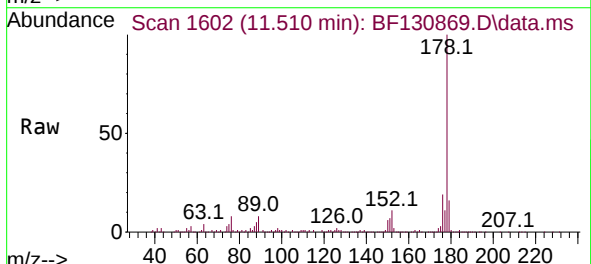
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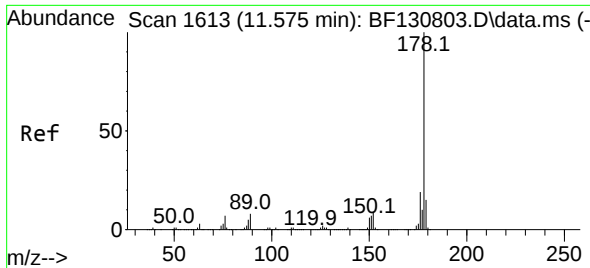
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 9.964 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

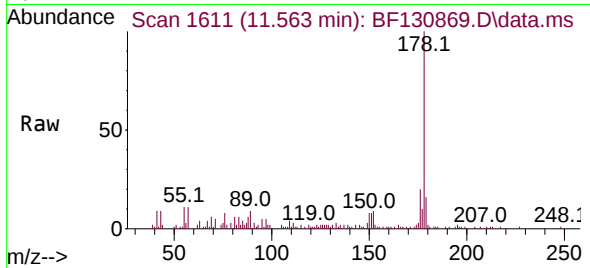
Tgt Ion:178 Resp: 98048
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.2





#72
 Anthracene
 Concen: 2.016 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.000 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

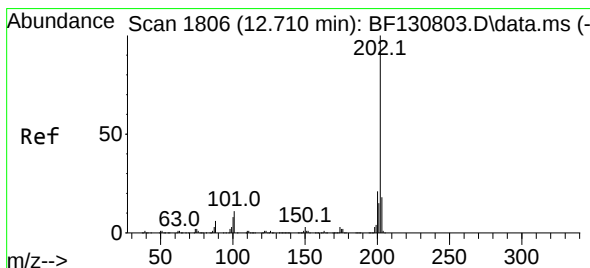
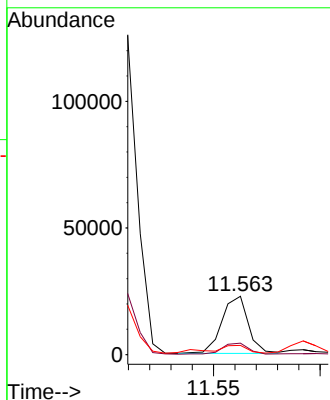
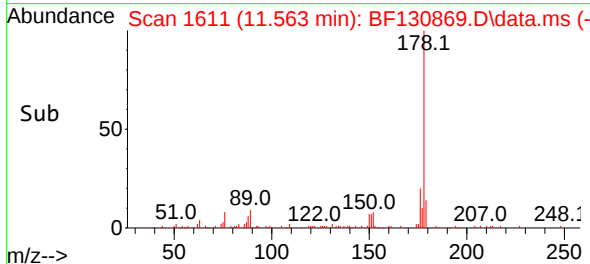
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722



Tgt Ion:178 Resp: 19562
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.7 12.2 18.4

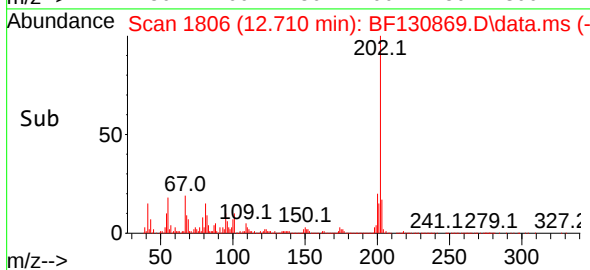
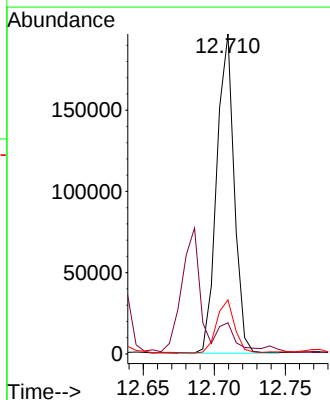
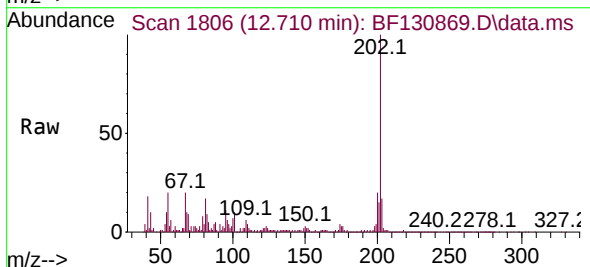
Manual Integrations
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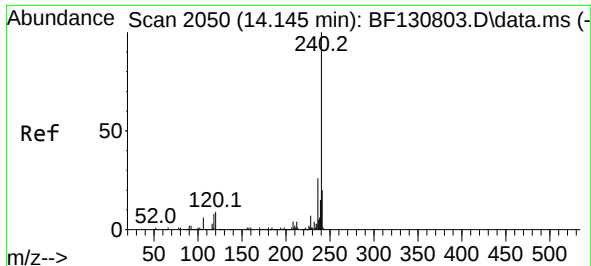
Reviewed By :Christian Giraldo 10/31/2022
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#75
 Fluoranthene
 Concen: 16.128 ng
 RT: 12.710 min Scan# 1806
 Delta R.T. 0.006 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Tgt Ion:202 Resp: 168614
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.9
 203 16.9 0.0 37.7





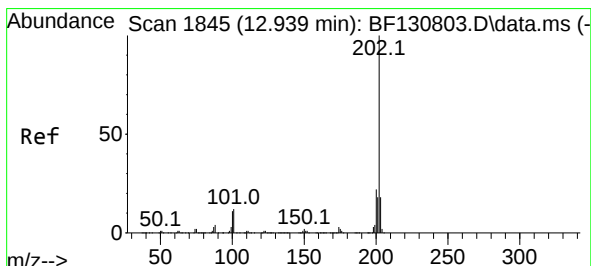
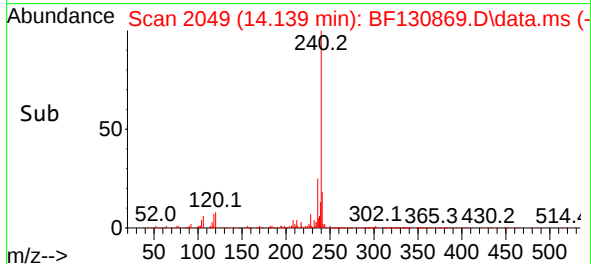
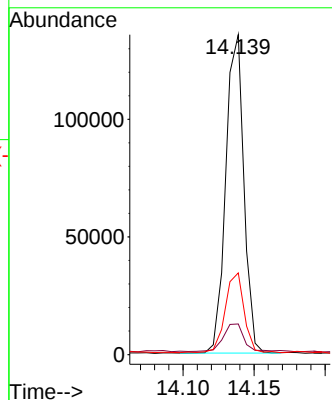
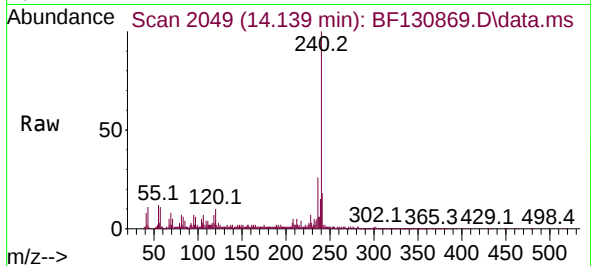
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Instrument :
BNA_F
ClientSampleId :
TR-5-102722

Tgt Ion:240 Resp: 120324
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 25.5 20.5 30.7

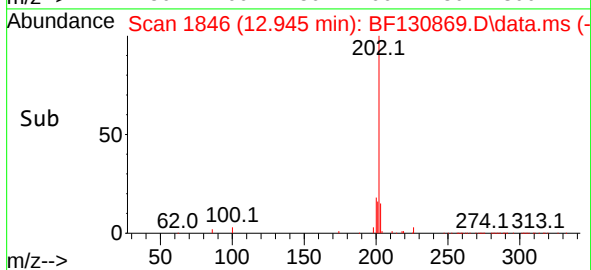
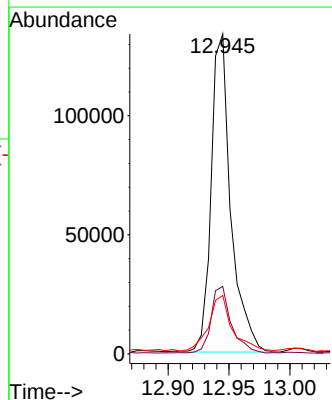
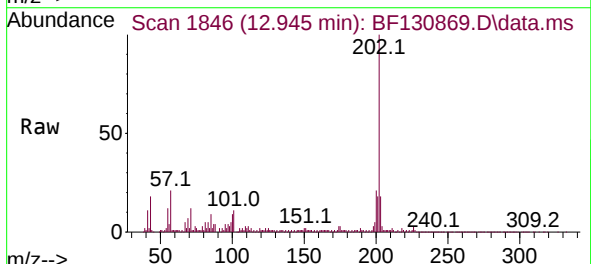
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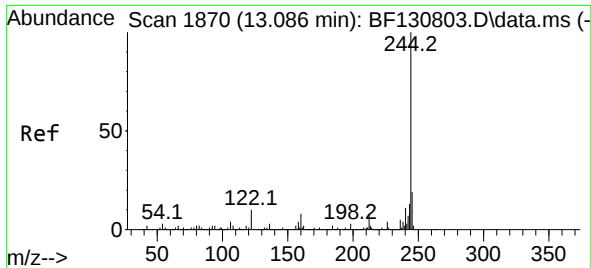
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#78
Pyrene
Concen: 14.749 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.012 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:202 Resp: 149722
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 18.3 14.5 21.7





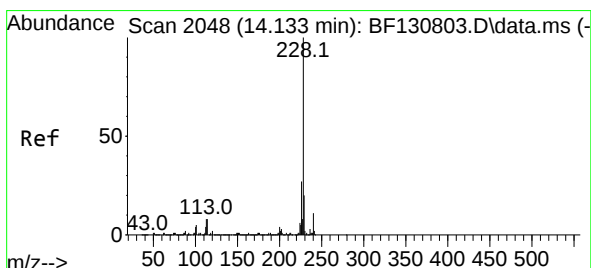
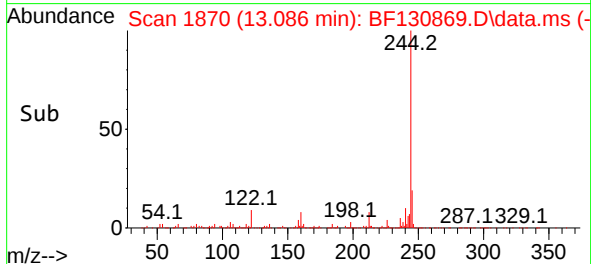
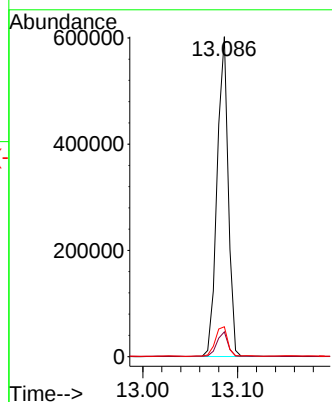
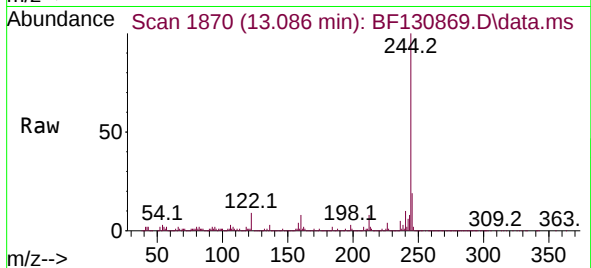
#79
 Terphenyl-d14
 Concen: 74.791 ng
 RT: 13.086 min Scan# 1870
 Delta R.T. 0.012 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

Tgt Ion:244 Resp: 491097
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 9.3 7.9 11.9

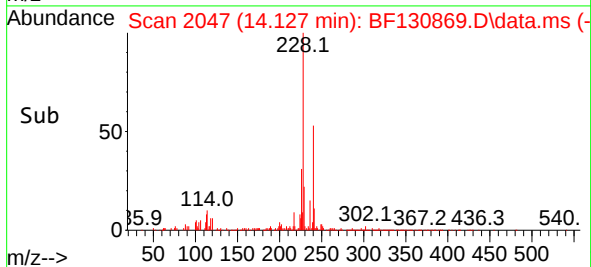
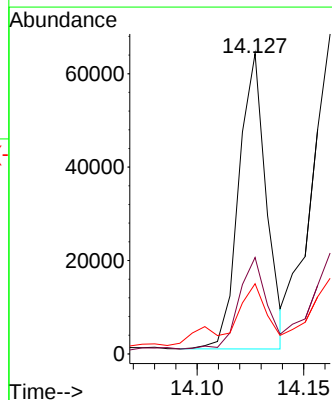
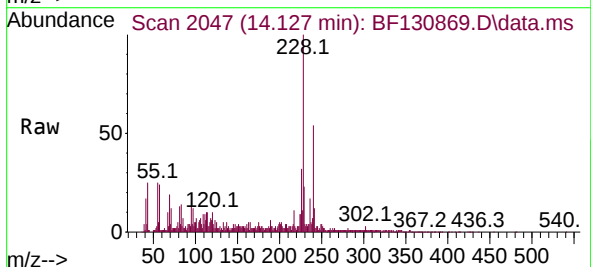
Manual Integrations
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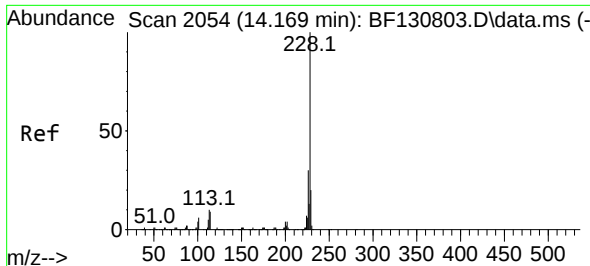
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#81
 Benzo(a)anthracene
 Concen: 7.118 ng
 RT: 14.127 min Scan# 2047
 Delta R.T. 0.006 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Tgt Ion:228 Resp: 56785
 Ion Ratio Lower Upper
 228 100
 226 32.1 21.4 32.2
 229 23.4 15.8 23.6





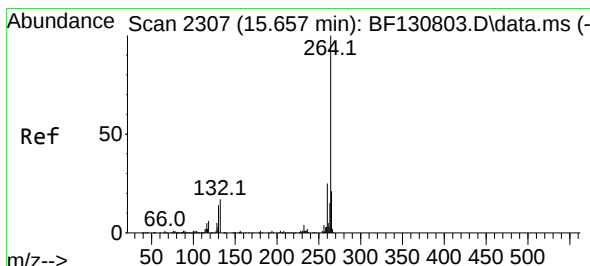
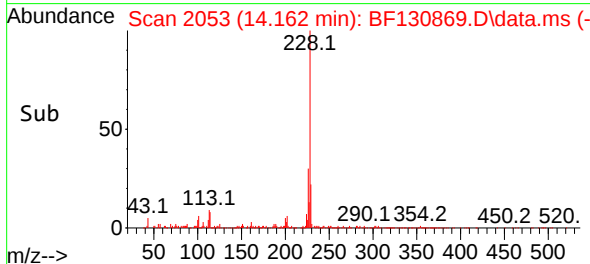
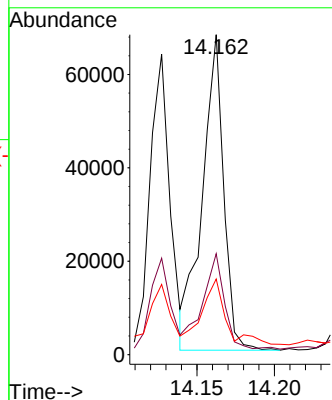
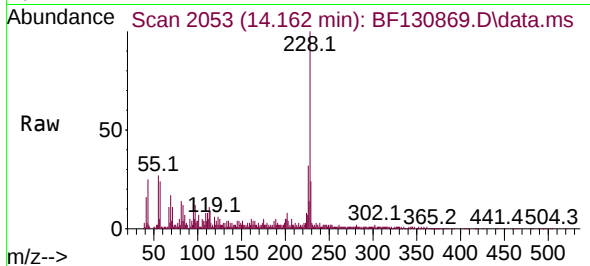
#83
Chrysene
Concen: 8.488 ng
RT: 14.162 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Instrument :
BNA_F
ClientSampleId :
TR-5-102722

Tgt Ion:228 Resp: 6531
Ion Ratio Lower Upper
228 100
226 31.6 23.9 35.9
229 23.6 15.8 23.6

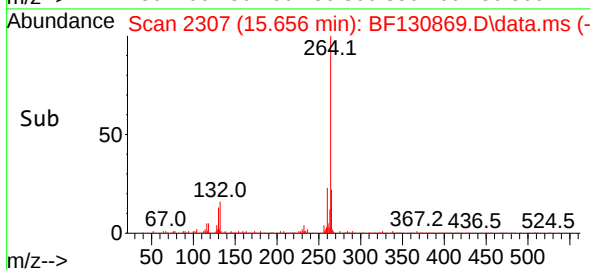
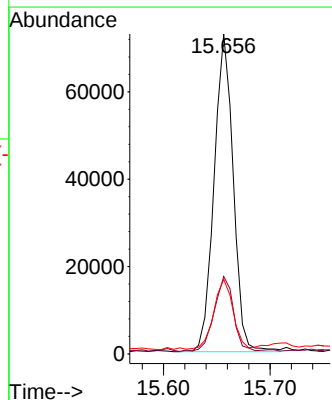
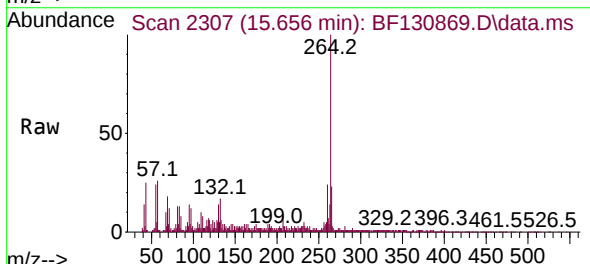
Manual Integrations
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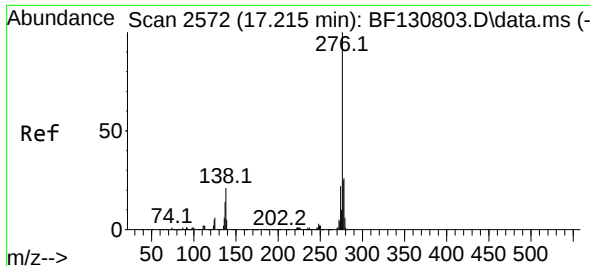
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.656 min Scan# 2307
Delta R.T. 0.012 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:264 Resp: 91100
Ion Ratio Lower Upper
264 100
260 24.2 19.9 29.9
265 23.3 17.0 25.6





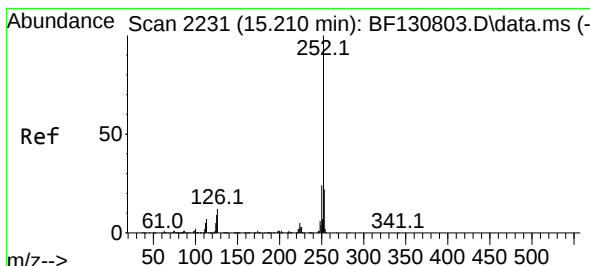
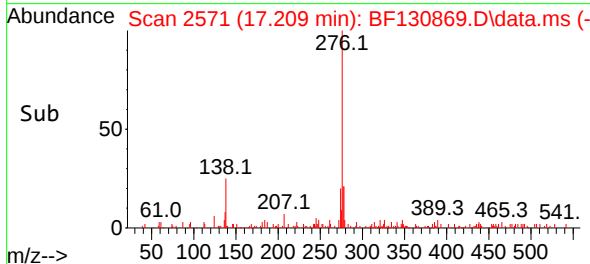
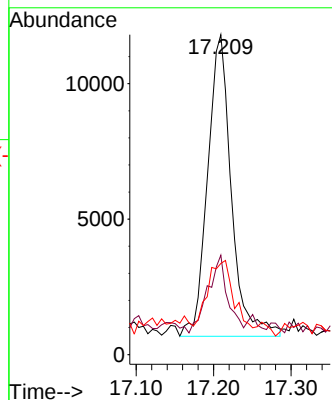
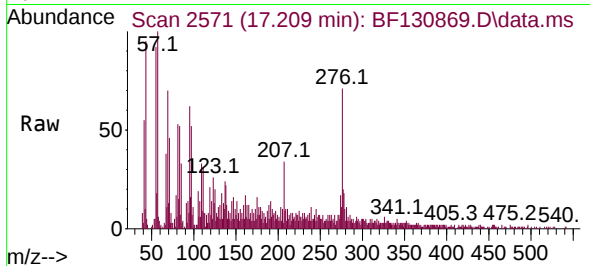
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.928 ng
RT: 17.209 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Instrument :
BNA_F
ClientSampleId :
TR-5-102722

Tgt Ion:276 Resp: 23763
Ion Ratio Lower Upper
276 100
138 22.0 19.1 28.7
277 23.4 20.1 30.1

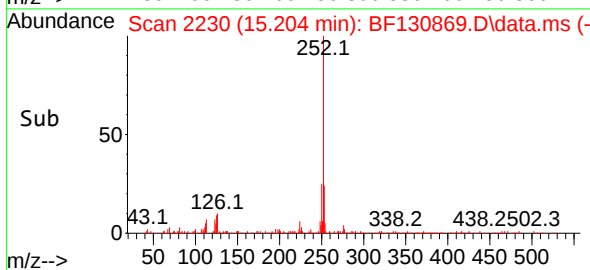
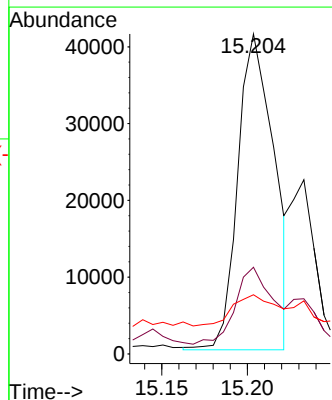
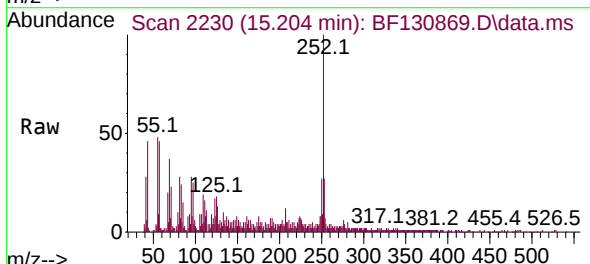
Manual Integrations
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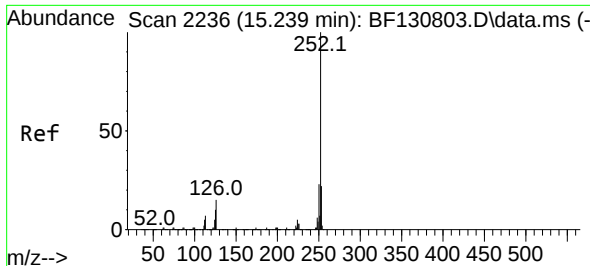
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 10.330 ng m
RT: 15.204 min Scan# 2230
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:252 Resp: 60835
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 18.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.735 ng m

RT: 15.233 min Scan# 2236

Delta R.T. 0.006 min

Lab File: BF130869.D

Acq: 29 Oct 2022 21:20

Instrument :

BNA_F

ClientSampleId :

TR-5-102722

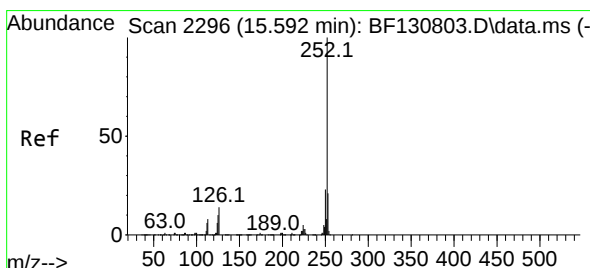
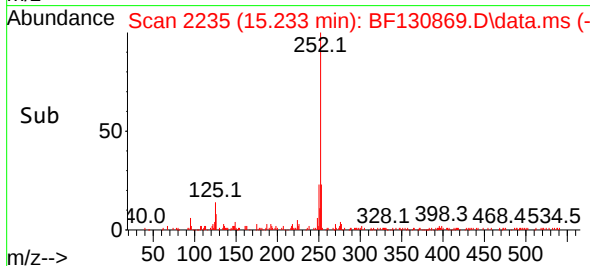
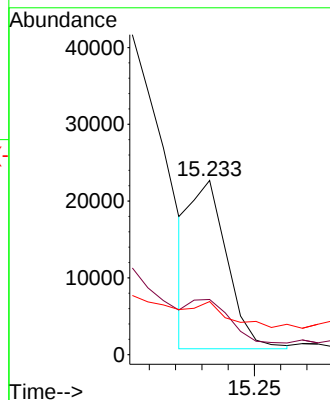
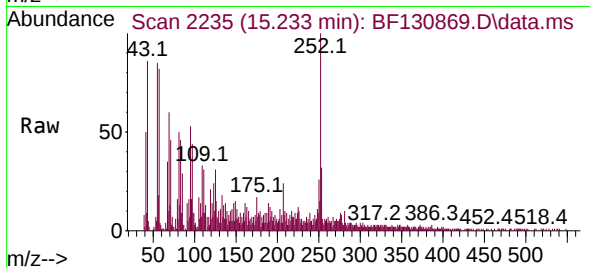
Tgt Ion:	252	Resp:	2143
Ion Ratio	Lower	Upper	
252	100		
253	31.7	17.5	26.3
125	30.5	8.0	12.0

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 8.508 ng

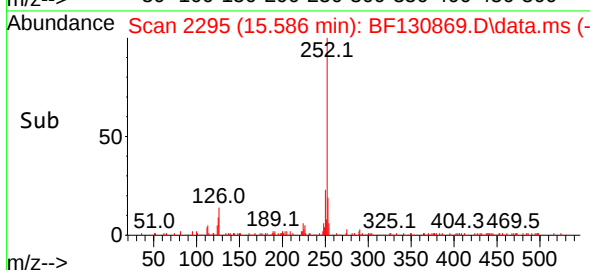
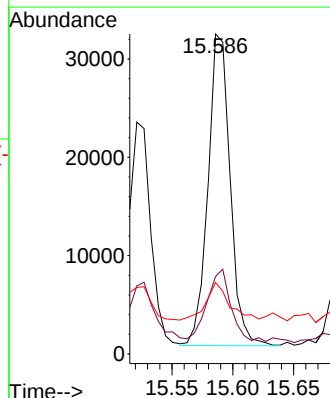
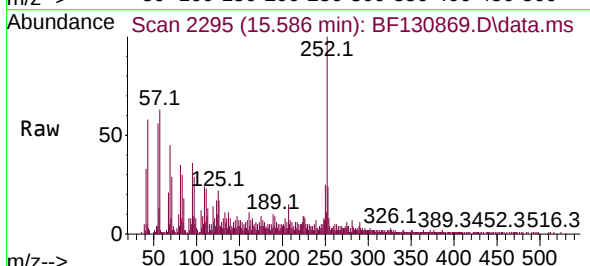
RT: 15.586 min Scan# 2295

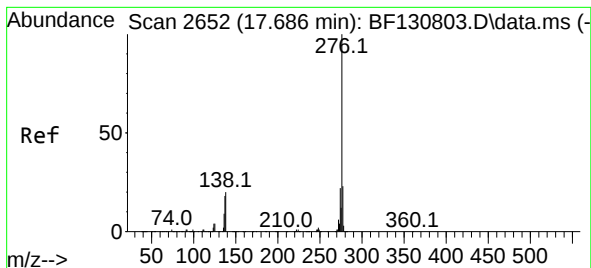
Delta R.T. 0.006 min

Lab File: BF130869.D

Acq: 29 Oct 2022 21:20

Tgt Ion:	252	Resp:	40278
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.8	25.2
125	22.3	8.3	12.5





#92

Benzo(g,h,i)perylene

Concen: 4.653 ng

RT: 17.680 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF130869.D

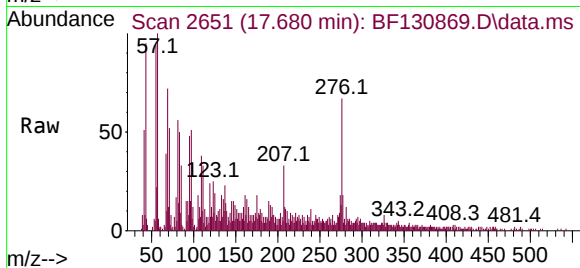
Acq: 29 Oct 2022 21:20

Instrument :

BNA_F

ClientSampleId :

TR-5-102722



Tgt Ion:	276	Resp:	23412
Ion Ratio	Lower	Upper	
276	100		
277	27.7	18.8	28.2
138	21.5	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022

