

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128034.D
 Acq On : 02 May 2022 19:07
 Operator : CG\JU
 Sample : N2605-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-042822

Quant Time: May 03 07:28:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/03/2022
 Supervised By :Jagrut Upadhyay 05/05/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	95973	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	345597	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	164544	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	249494	20.000	ng	0.00
76) Chrysene-d12	14.116	240	187059	20.000	ng	0.00
86) Perylene-d12	15.633	264	118545	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	539890	89.601	ng	0.00
7) Phenol-d6	6.557	99	673806	86.181	ng	0.00
23) Nitrobenzene-d5	7.492	82	481471	65.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	132975	80.279	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	747017	76.804	ng	0.00
79) Terphenyl-d14	13.051	244	681434	66.612	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.486	178	48005	3.676	ng	99
72) Anthracene	11.539	178	28811	2.215	ng	99
75) Fluoranthene	12.680	202	133289	9.697	ng	99
78) Pyrene	12.916	202	115121	7.624	ng	99
81) Benzo(a)anthracene	14.104	228	40871	3.278	ng	# 93
83) Chrysene	14.139	228	37153	3.120	ng	96
87) Indeno(1,2,3-cd)pyrene	17.180	276	16179	2.045	ng	94
88) Benzo(b)fluoranthene	15.180	252	40580m	5.450	ng	
90) Benzo(a)pyrene	15.568	252	23480	3.802	ng	# 83
92) Benzo(g,h,i)perylene	17.657	276	17987	2.690	ng	# 88

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

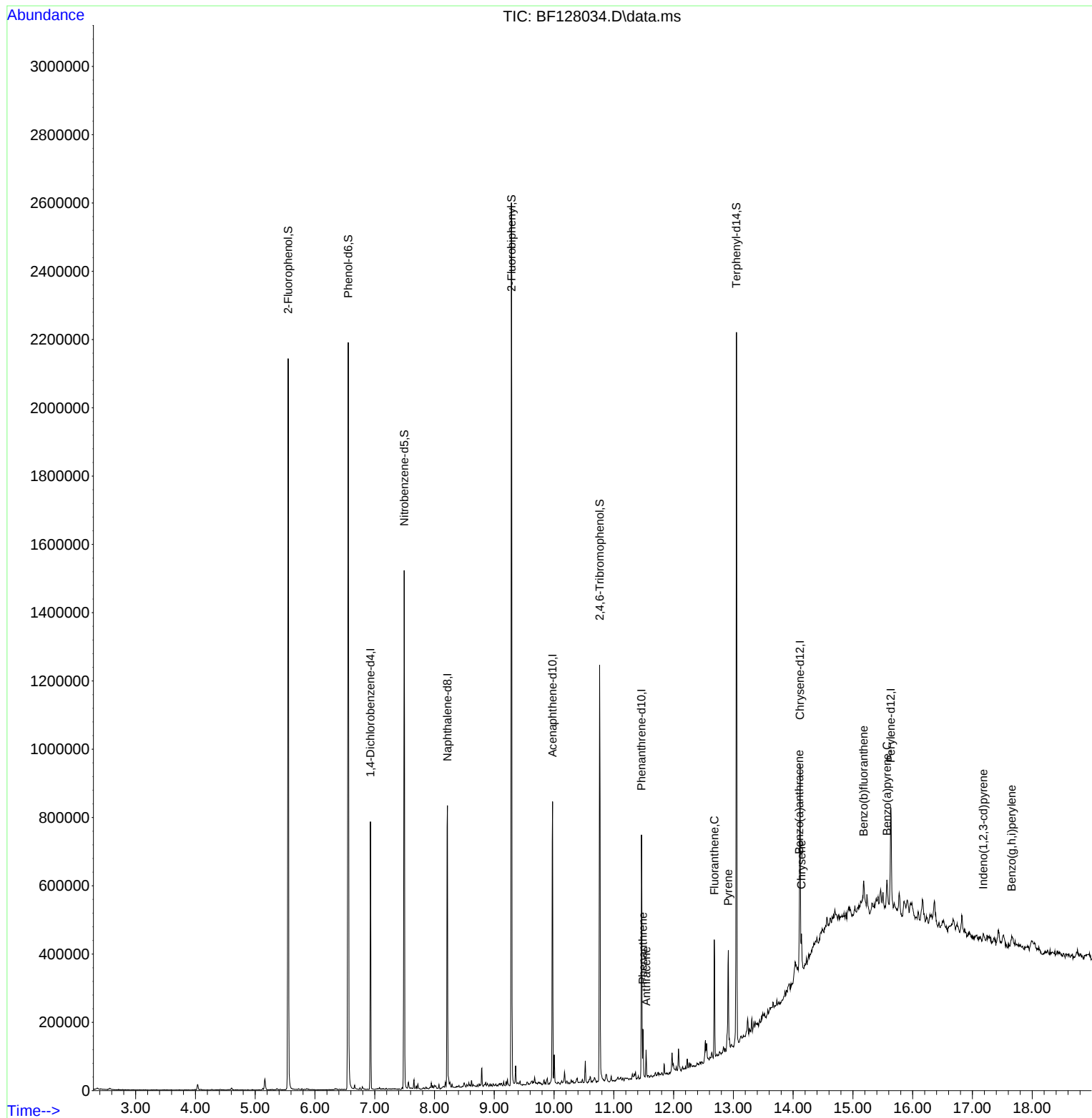
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
Data File : BF128034.D
Acq On : 02 May 2022 19:07
Operator : CG\JU
Sample : N2605-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

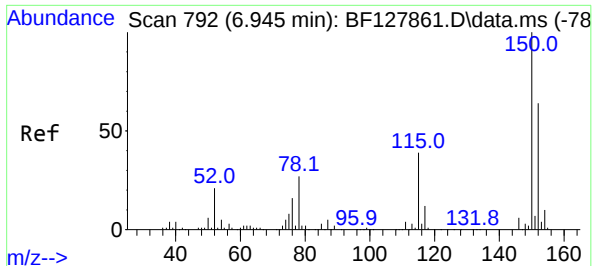
Instrument :
BNA_F
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TR-06-042822

Quant Time: May 03 07:28:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

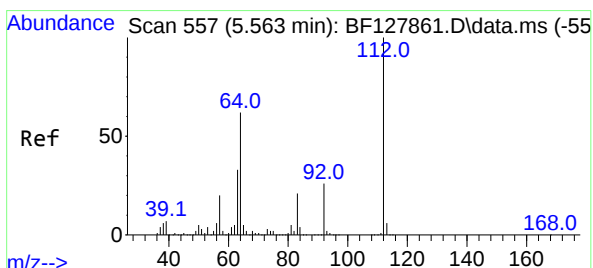
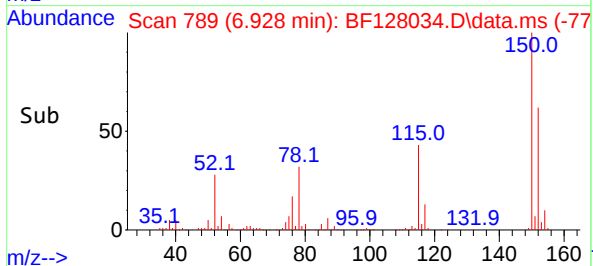
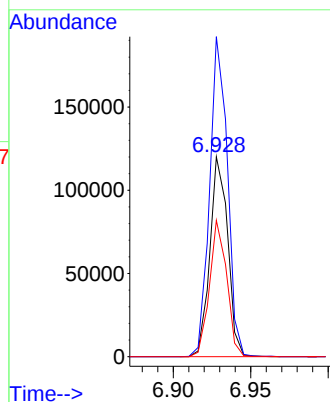
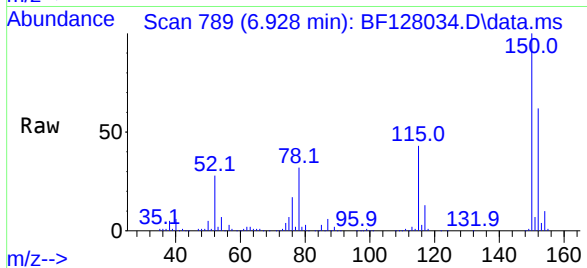
TR-06-042822

Tgt Ion:152 Resp: 9597
Ion Ratio Lower Upper
152 100
150 160.1 125.3 187.9
115 68.2 48.8 73.2

Manual Integrations

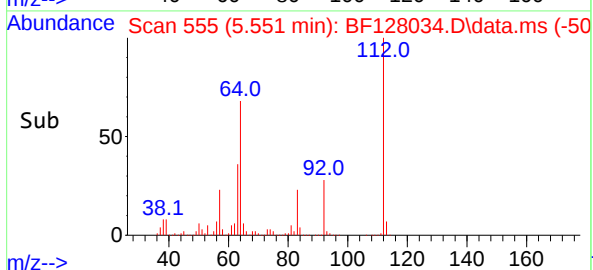
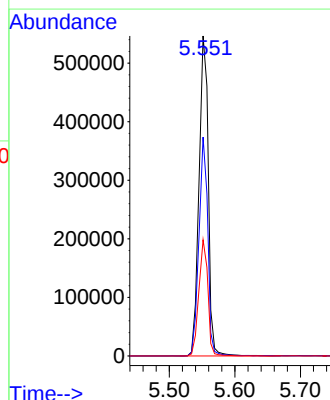
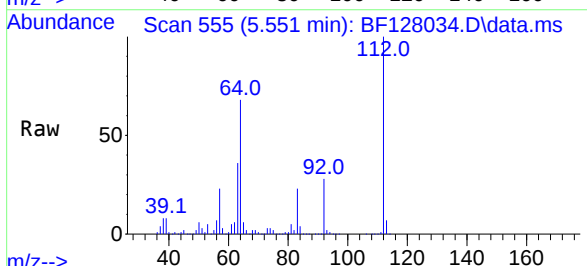
APPROVED

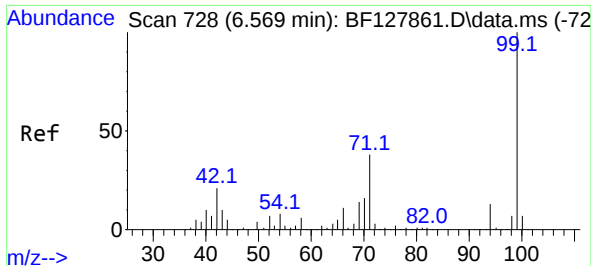
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#5
2-Fluorophenol
Concen: 89.601 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

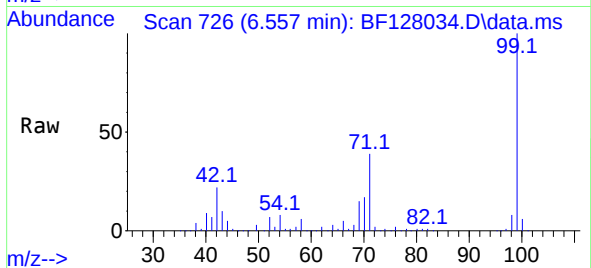
Tgt Ion:112 Resp: 539890
Ion Ratio Lower Upper
112 100
64 68.4 49.5 74.3
63 36.3 26.3 39.5





#7
Phenol-d6
Concen: 86.181 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

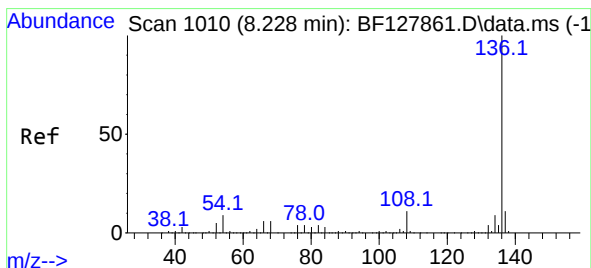
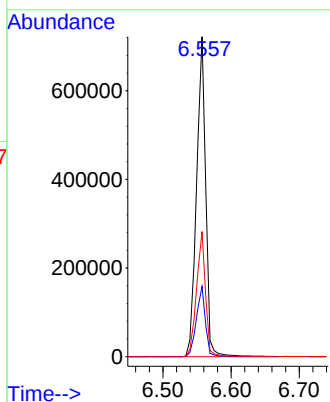
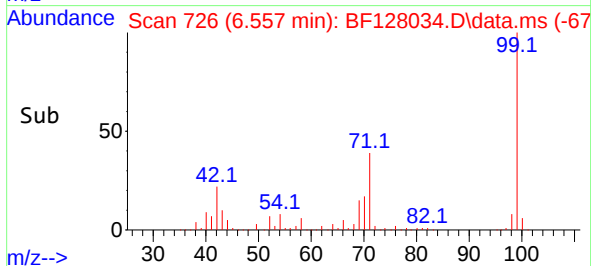
Instrument :
BNA_F
ClientSampleId :
TR-06-042822



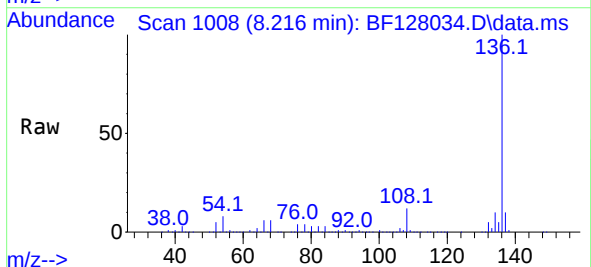
Tgt Ion: 99 Resp: 673800
Ion Ratio Lower Upper
99 100
42 22.0 16.6 24.8
71 39.1 30.0 45.0

Manual Integrations
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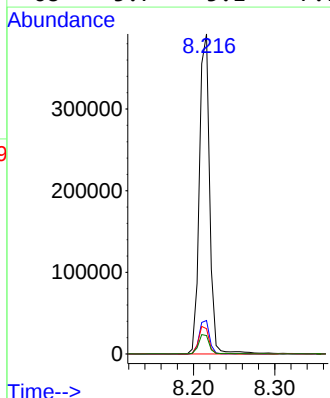
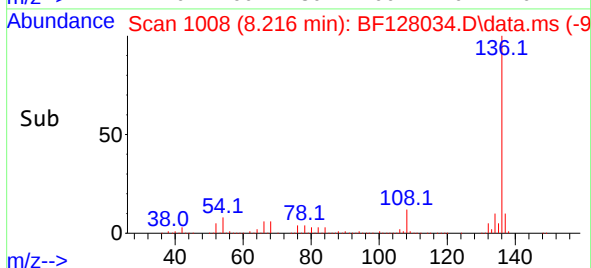
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07



Tgt Ion:136 Resp: 345597
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.9 6.8 10.2
68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 65.512 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128034.D

Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

TR-06-042822

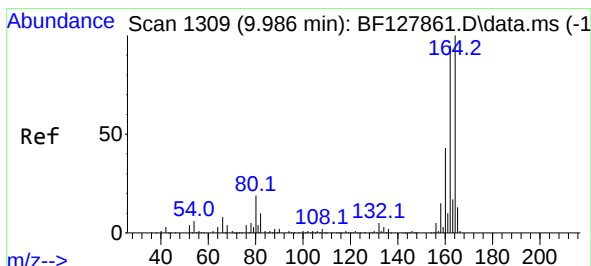
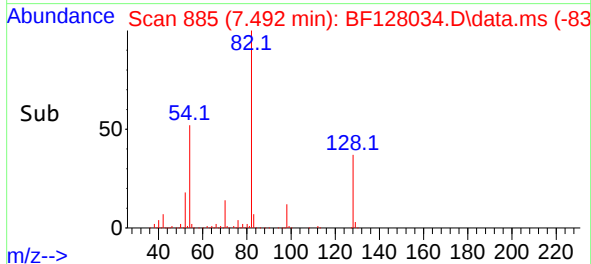
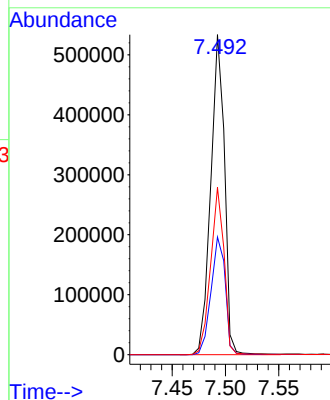
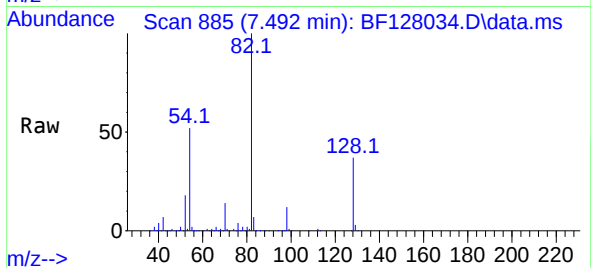
Tgt Ion: 82 Resp: 48147

Ion	Ratio	Lower	Upper
82	100		
128	36.8	30.0	45.0
54	52.3	41.3	61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1307

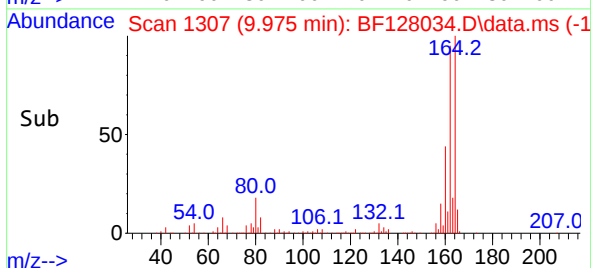
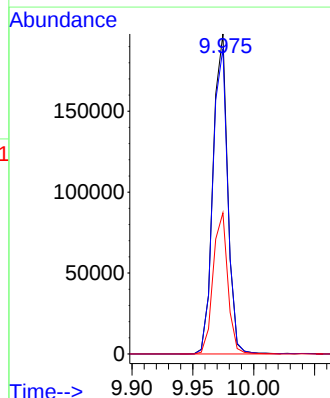
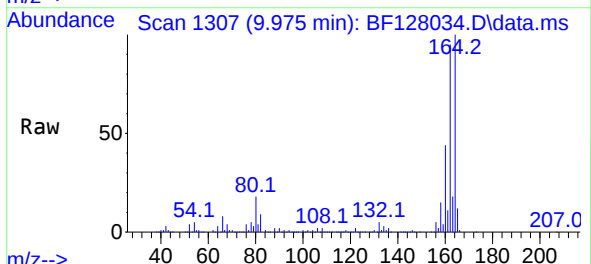
Delta R.T. 0.000 min

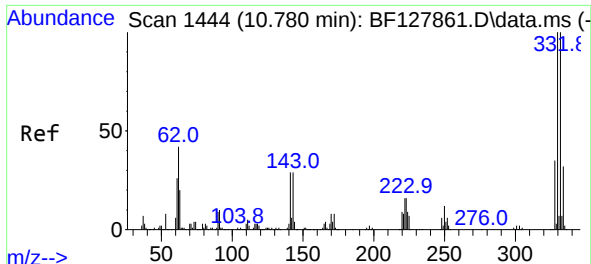
Lab File: BF128034.D

Acq: 02 May 2022 19:07

Tgt Ion:164 Resp: 164544

Ion	Ratio	Lower	Upper
164	100		
162	95.4	76.0	114.0
160	44.1	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 80.279 ng
RT: 10.763 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

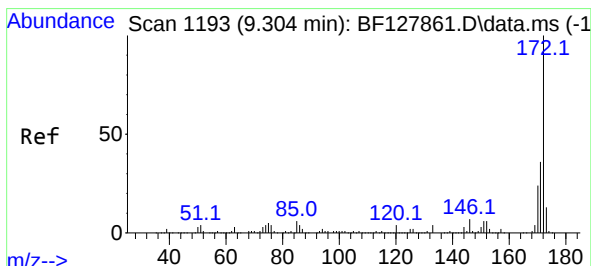
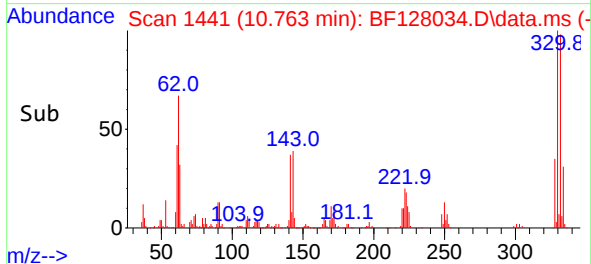
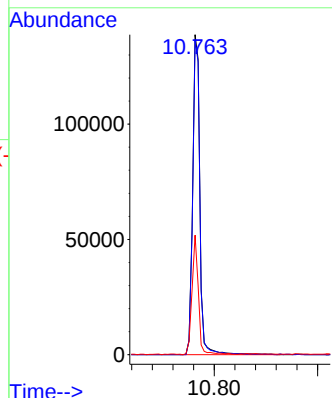
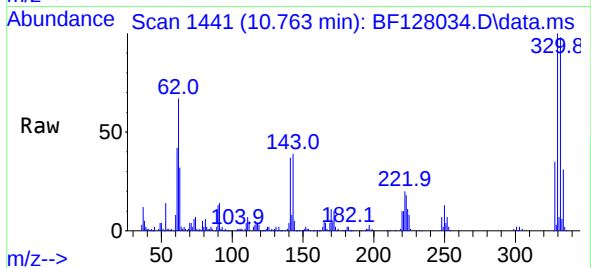
TR-06-042822

Tgt Ion:330 Resp: 132975
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.4
141 33.8 28.9 43.3

Manual Integrations

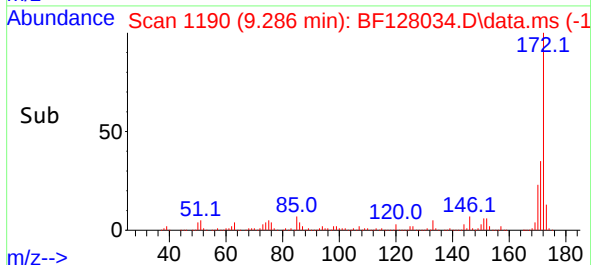
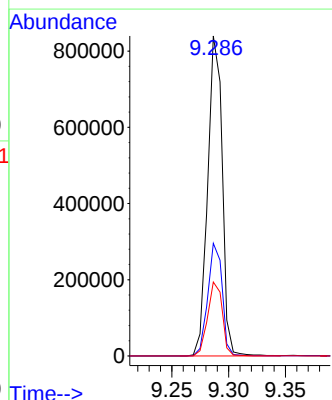
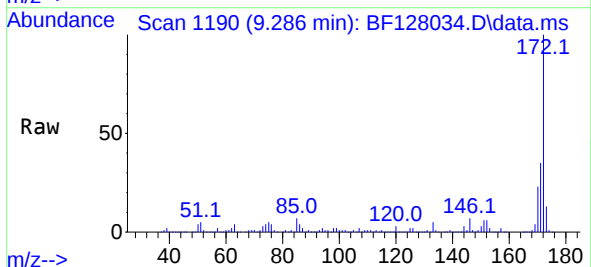
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Supervised By :Jagrut Upadhyay 05/05/2022



#45
2-Fluorobiphenyl
Concen: 76.804 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Tgt Ion:172 Resp: 747017
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

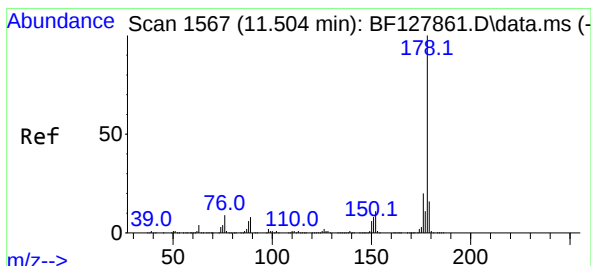
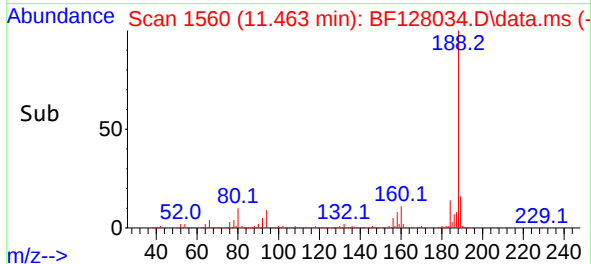
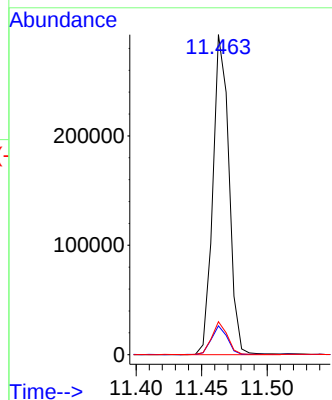
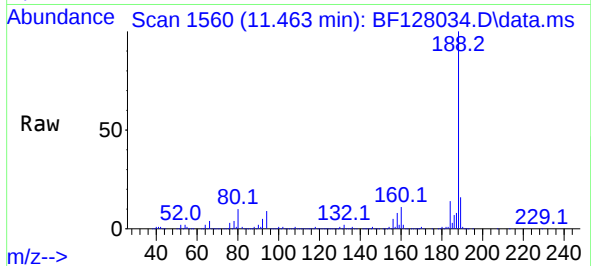
TR-06-042822

Tgt Ion:188 Resp: 249494
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 10.3 8.9 13.3

Manual Integrations

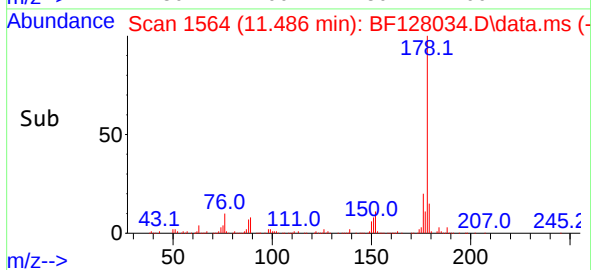
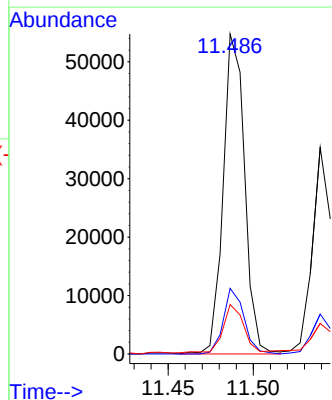
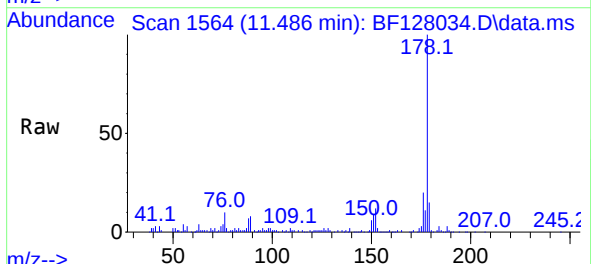
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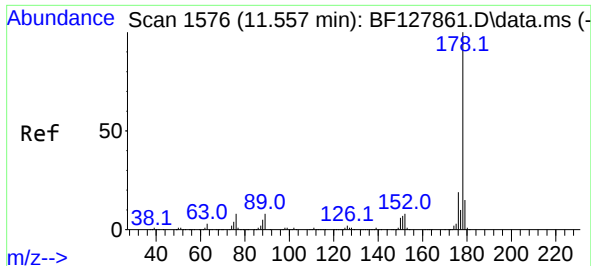
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#71
Phenanthrene
Concen: 3.676 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Tgt Ion:178 Resp: 48005
Ion Ratio Lower Upper
178 100
176 20.5 15.7 23.5
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 2.215 ng
 RT: 11.539 min Scan# 11539
 Delta R.T. -0.006 min
 Lab File: BF128034.D
 Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

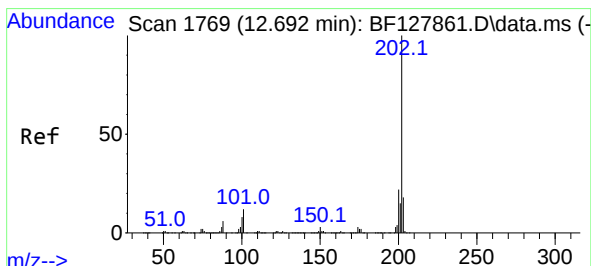
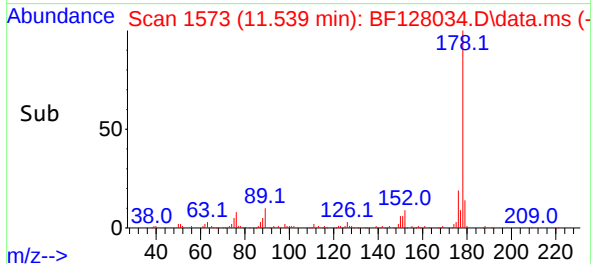
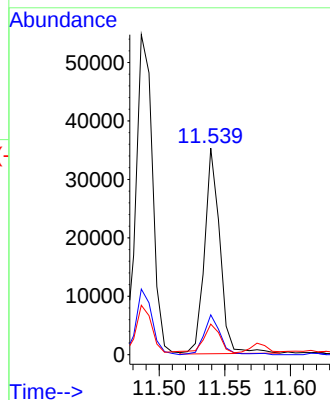
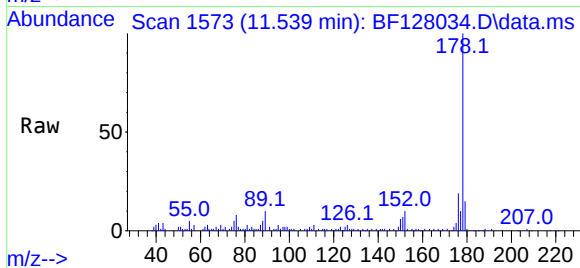
TR-06-042822

Tgt Ion:178 Resp: 2881
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.6
 179 14.8 12.4 18.6

Manual Integrations

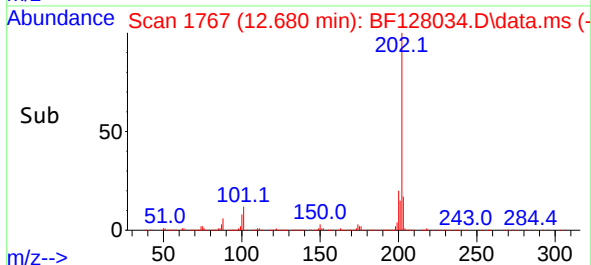
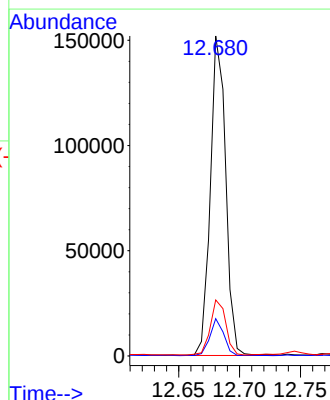
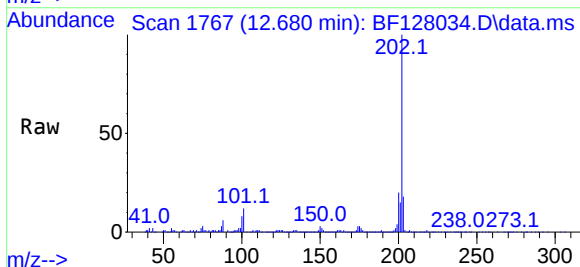
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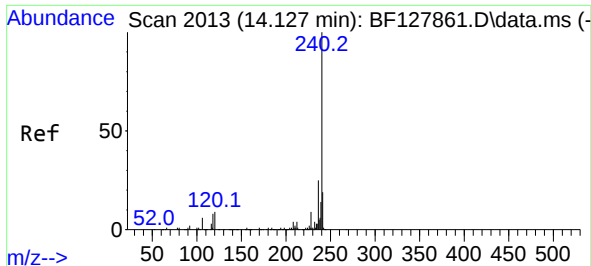
Reviewed By :Christian Giraldo 05/03/2022
 Supervised By :Jagrut Upadhyay 05/05/2022



#75
 Fluoranthene
 Concen: 9.697 ng
 RT: 12.680 min Scan# 1767
 Delta R.T. -0.006 min
 Lab File: BF128034.D
 Acq: 02 May 2022 19:07

Tgt Ion:202 Resp: 133289
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.6
 203 17.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

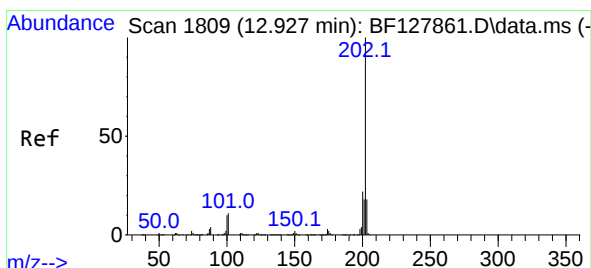
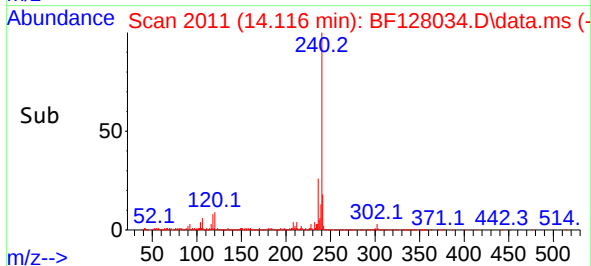
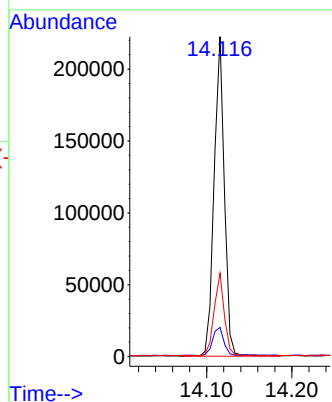
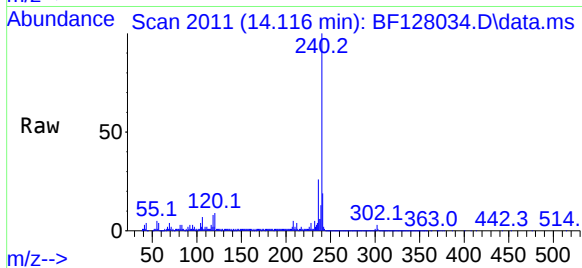
TR-06-042822

Tgt Ion:240 Resp: 187059
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 26.1 20.3 30.5

Manual Integrations

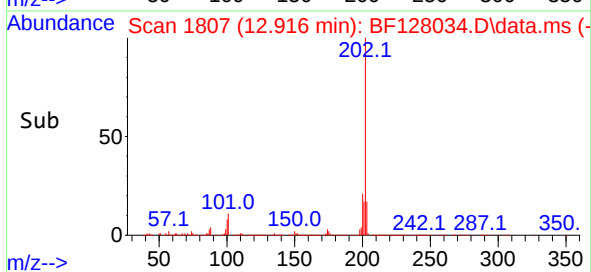
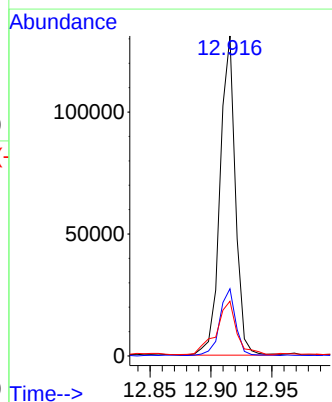
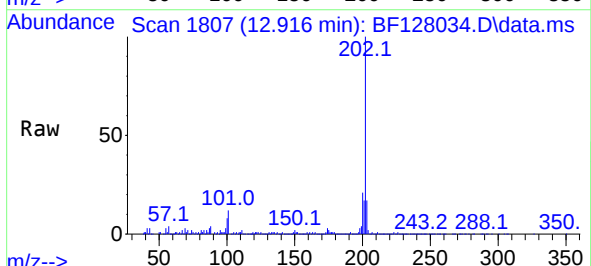
APPROVED

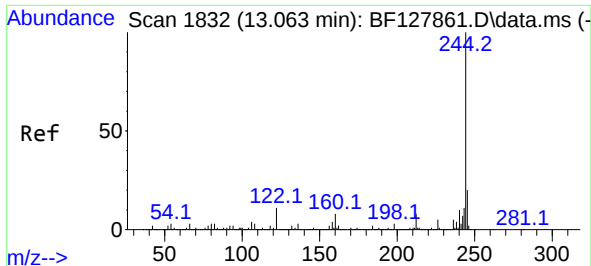
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#78
Pyrene
Concen: 7.624 ng
RT: 12.916 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Tgt Ion:202 Resp: 115121
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.1 14.0 21.0





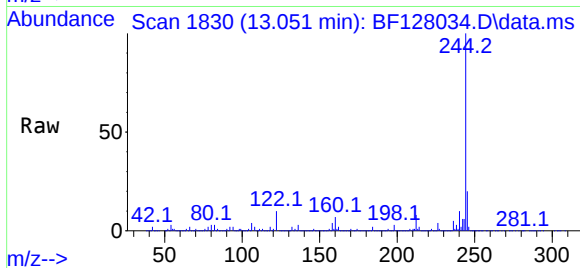
#79
Terphenyl-d14
Concen: 66.612 ng
RT: 13.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

TR-06-042822

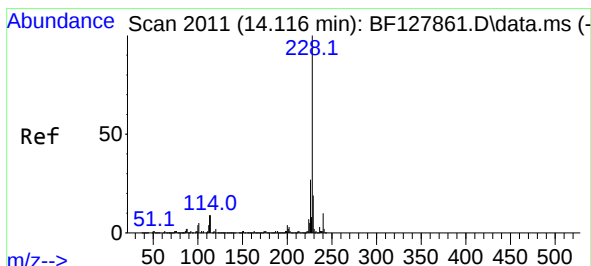
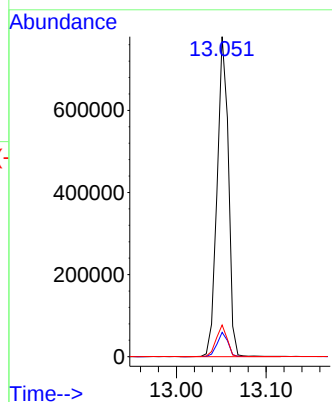
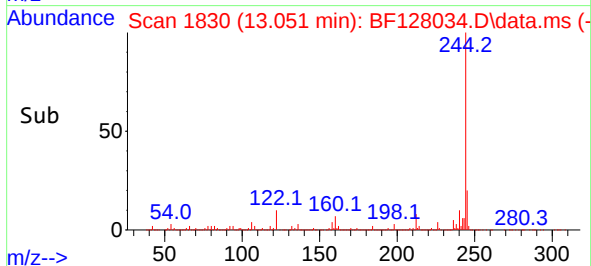


Tgt Ion:244 Resp: 681434
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 9.9 8.6 12.8

Manual Integrations

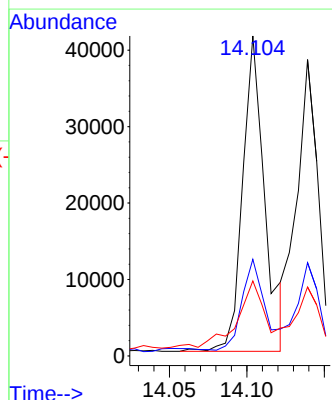
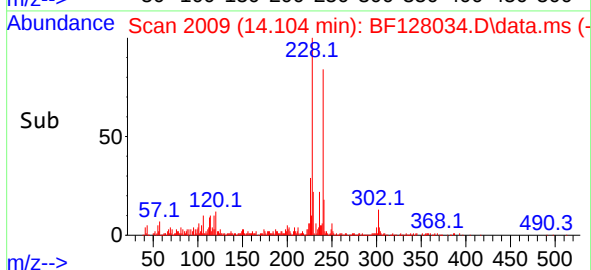
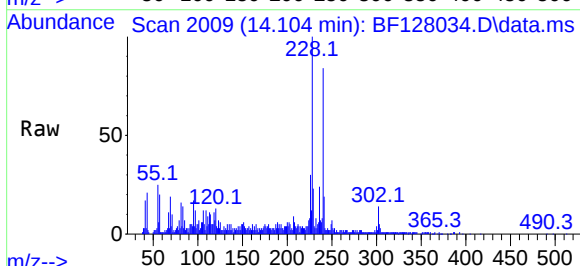
APPROVED

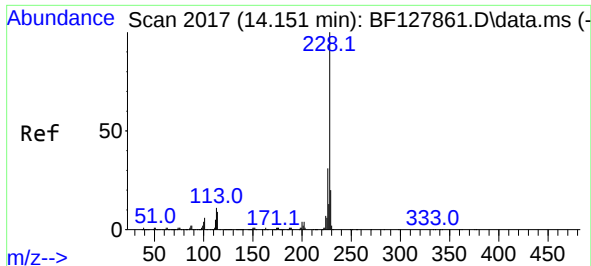
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#81
Benzo(a)anthracene
Concen: 3.278 ng
RT: 14.104 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Tgt Ion:228 Resp: 40871
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 23.4 15.4 23.2#





#83
Chrysene
Concen: 3.120 ng
RT: 14.139 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

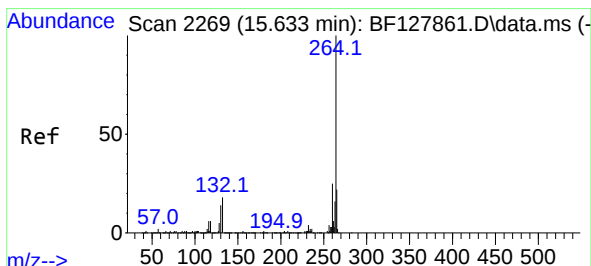
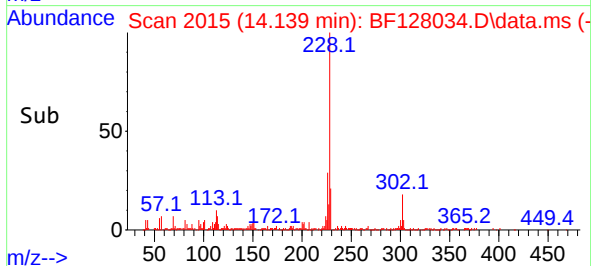
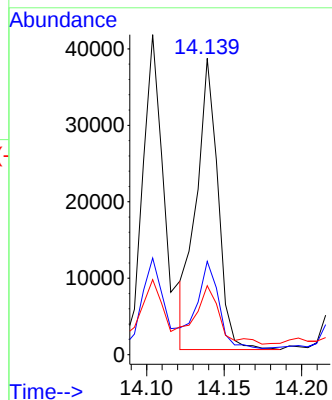
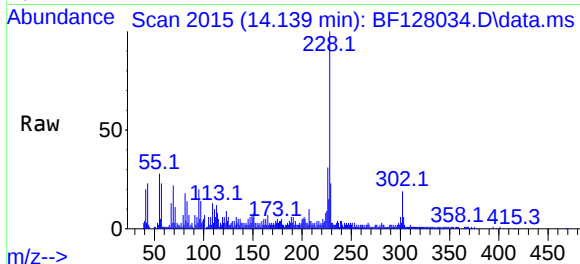
TR-06-042822

Tgt Ion:228 Resp: 3715
Ion Ratio Lower Upper
228 100
226 31.5 24.4 36.6
229 23.3 15.8 23.8

Manual Integrations

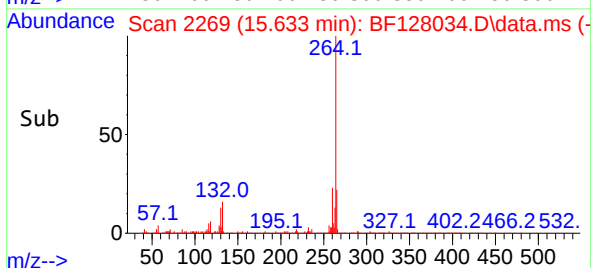
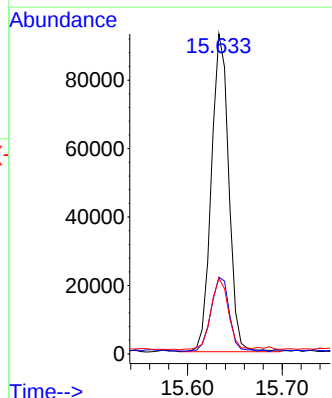
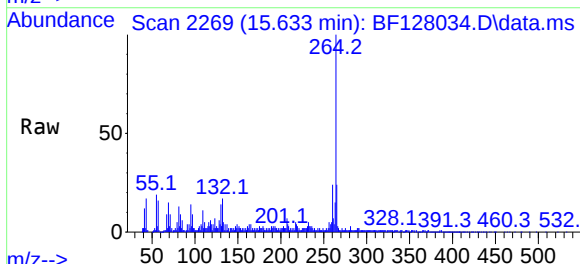
APPROVED

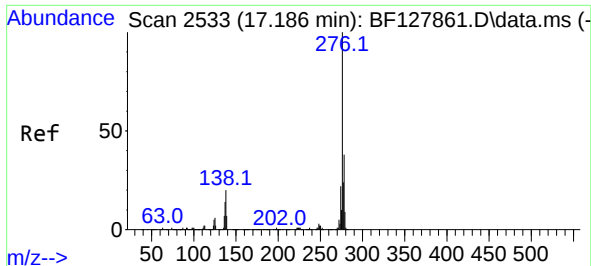
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2269
Delta R.T. 0.012 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Tgt Ion:264 Resp: 118545
Ion Ratio Lower Upper
264 100
260 24.0 20.1 30.1
265 23.7 17.5 26.3





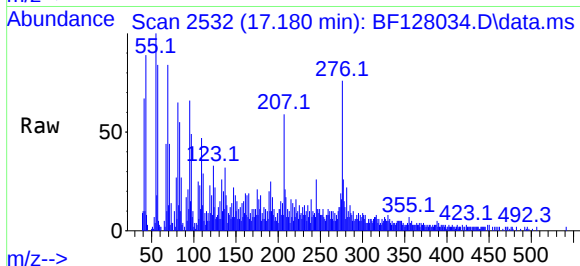
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.045 ng
RT: 17.180 min Scan# 2192
Delta R.T. 0.012 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

TR-06-042822

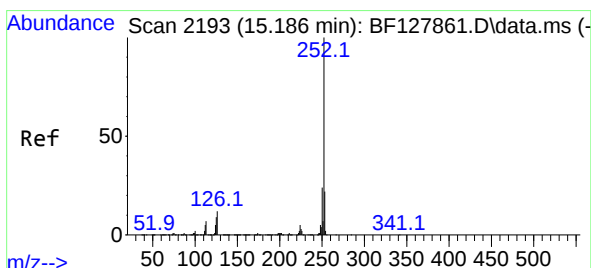
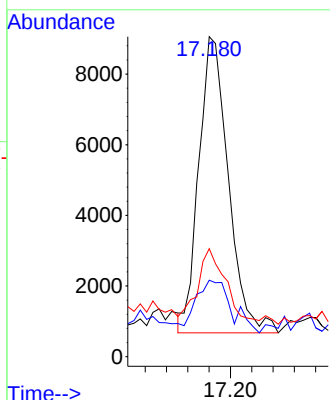
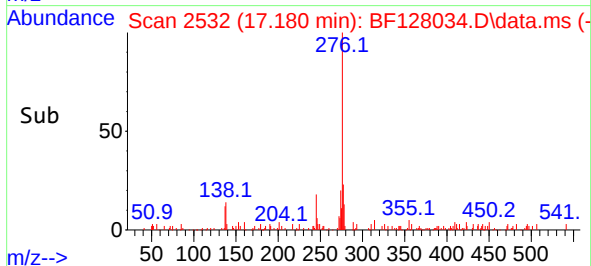


Tgt Ion:276 Resp: 16179
Ion Ratio Lower Upper
276 100
138 20.9 19.0 28.4
277 22.4 20.1 30.1

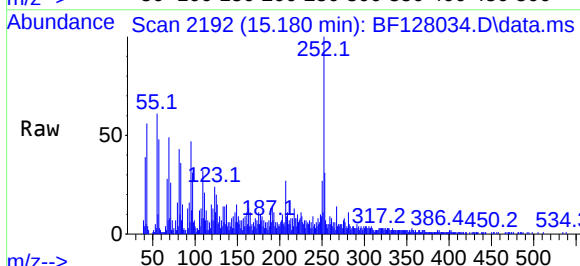
Manual Integrations

APPROVED

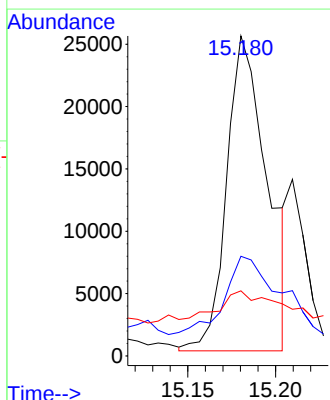
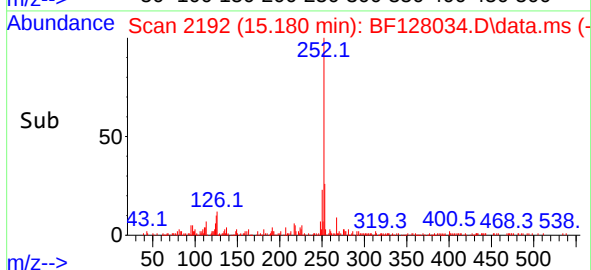
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

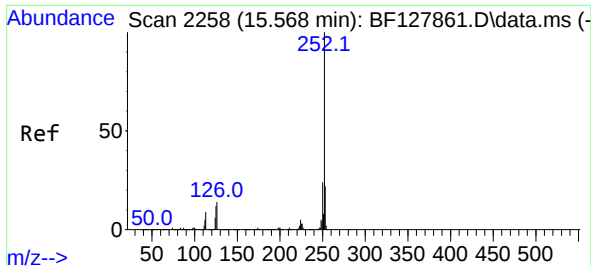


#88
Benzo(b)fluoranthene
Concen: 5.450 ng m
RT: 15.180 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07



Tgt Ion:252 Resp: 40580
Ion Ratio Lower Upper
252 100
253 31.1 17.4 26.2#
125 20.4 7.4 11.2#





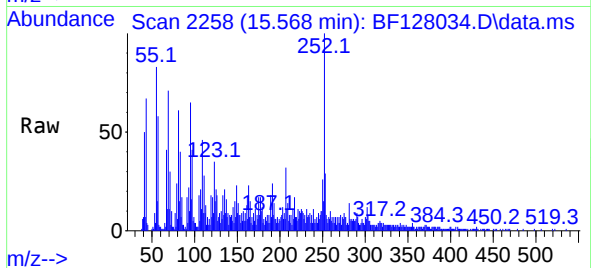
#90
Benzo(a)pyrene
Concen: 3.802 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07

Instrument :

BNA_F

ClientSampleId :

TR-06-042822

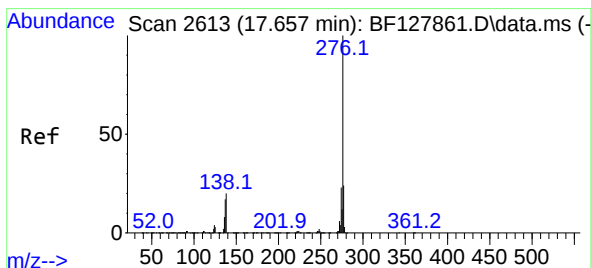
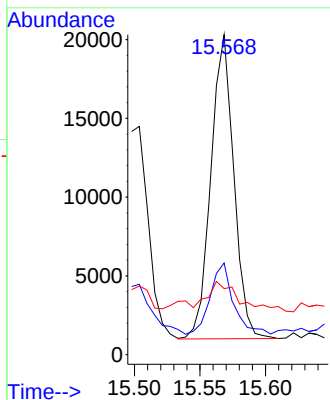
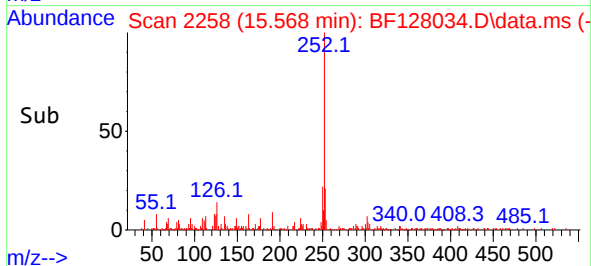


Tgt Ion:252 Resp: 23480
Ion Ratio Lower Upper
252 100
253 28.6 17.8 26.6
125 20.6 9.2 13.8

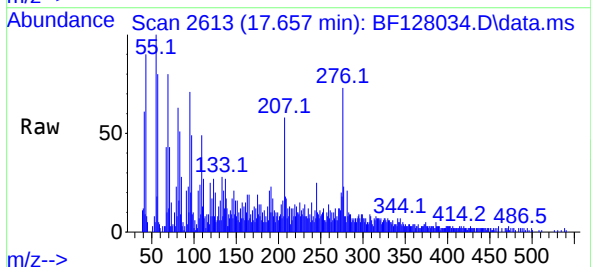
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#92
Benzo(g,h,i)perylene
Concen: 2.690 ng
RT: 17.657 min Scan# 2613
Delta R.T. 0.018 min
Lab File: BF128034.D
Acq: 02 May 2022 19:07



Tgt Ion:276 Resp: 17987
Ion Ratio Lower Upper
276 100
277 31.4 18.8 28.2
138 23.5 16.2 24.2

