

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091222\
 Data File : BF130215.D
 Acq On : 12 Sep 2022 20:40
 Operator : CG\JU
 Sample : N4572-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

Quant Time: Sep 13 14:28:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 07 02:05:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.687	152	98024	20.000	ng	-0.01
21) Naphthalene-d8	7.969	136	366589	20.000	ng	-0.01
39) Acenaphthene-d10	9.716	164	164560	20.000	ng	-0.02
64) Phenanthrene-d10	11.192	188	226050	20.000	ng	-0.02
76) Chrysene-d12	13.827	240	211068	20.000	ng	-0.02
86) Perylene-d12	15.227	264	257874	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	514839	89.164	ng	-0.01
7) Phenol-d6	6.316	99	605725	84.145	ng	-0.02
23) Nitrobenzene-d5	7.245	82	390297	68.422	ng	-0.02
42) 2,4,6-Tribromophenol	10.498	330	115361	77.012	ng	-0.02
45) 2-Fluorobiphenyl	9.039	172	620741	62.540	ng	-0.02
79) Terphenyl-d14	12.780	244	424870	34.907	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.216	178	36294	2.961	ng	99
72) Anthracene	11.269	178	29969	2.487	ng	99
75) Fluoranthene	12.404	202	112351	9.242	ng	100
78) Pyrene	12.627	202	129058	6.817	ng	99
81) Benzo(a)anthracene	13.816	228	69529	4.807	ng	97
83) Chrysene	13.851	228	85238m	5.977	ng	
87) Indeno(1,2,3-cd)pyrene	16.551	276	45418	2.670	ng	94
88) Benzo(b)fluoranthene	14.827	252	116025m	6.747	ng	
89) Benzo(k)fluoranthene	14.851	252	43033m	2.587	ng	
90) Benzo(a)pyrene	15.163	252	82423	6.032	ng	96
92) Benzo(g,h,i)perylene	16.957	276	43705	3.138	ng	96

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

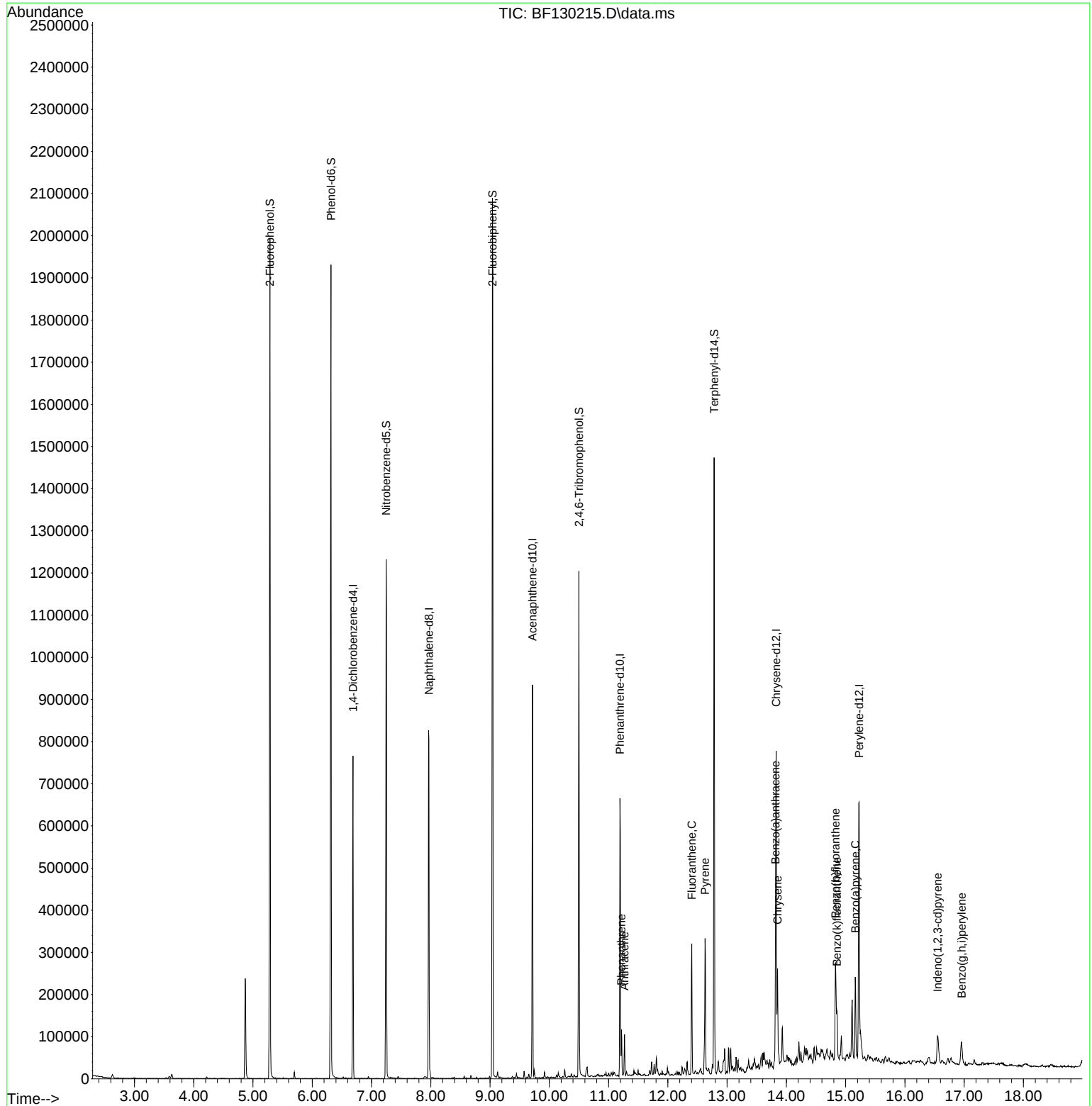
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091222\
Data File : BF130215.D
Acq On : 12 Sep 2022 20:40
Operator : CG\JU
Sample : N4572-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

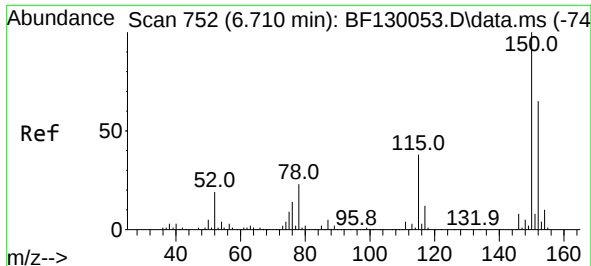
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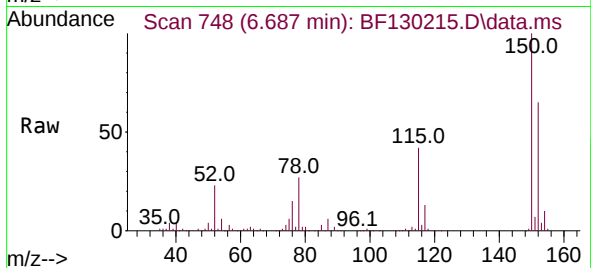
Quant Time: Sep 13 14:28:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 07 02:05:07 2022
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.687 min Scan# 74
 Delta R.T. -0.011 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

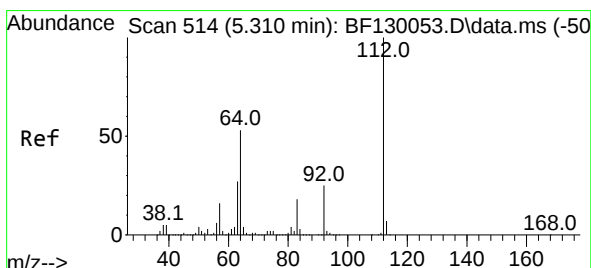
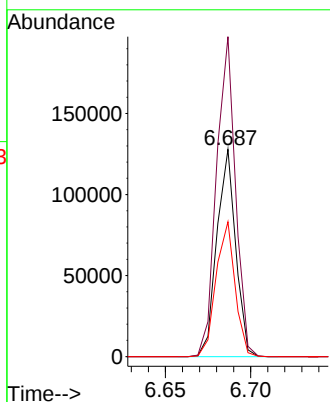
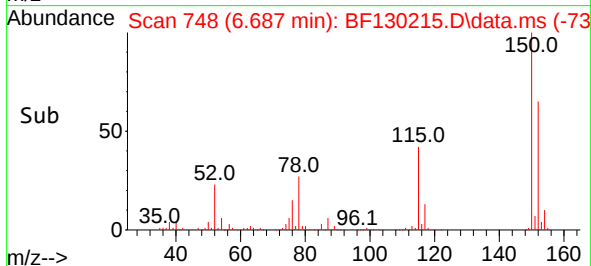
Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019



Tgt Ion:152 Resp: 98024
 Ion Ratio Lower Upper
 152 100
 150 154.4 126.9 190.3
 115 65.0 53.4 80.0

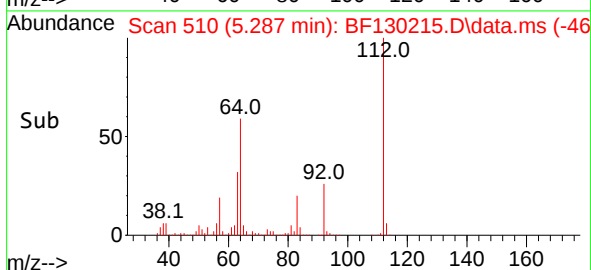
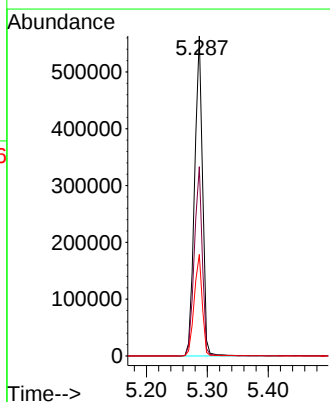
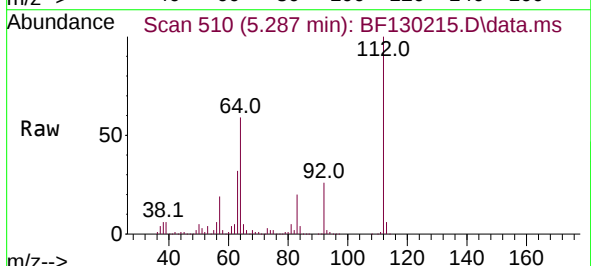
Manual Integrations
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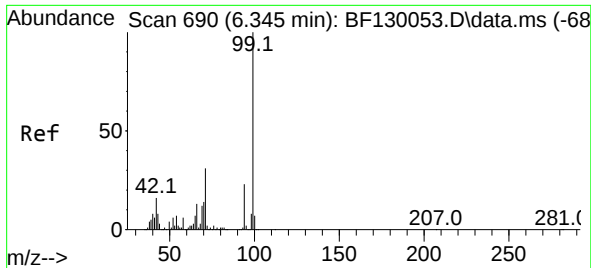
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022



#5
 2-Fluorophenol
 Concen: 89.164 ng
 RT: 5.287 min Scan# 510
 Delta R.T. -0.012 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

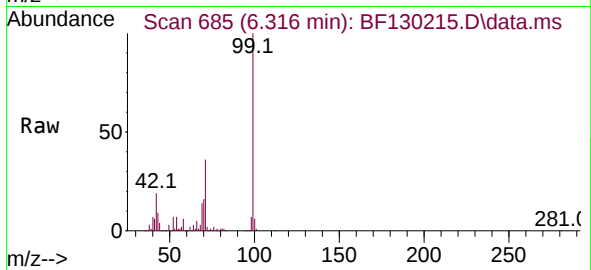
Tgt Ion:112 Resp: 514839
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.6 71.4
 63 31.7 24.6 37.0





#7
Phenol-d6
Concen: 84.145 ng
RT: 6.316 min Scan# 685
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

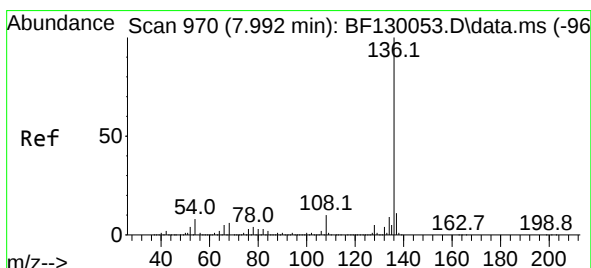
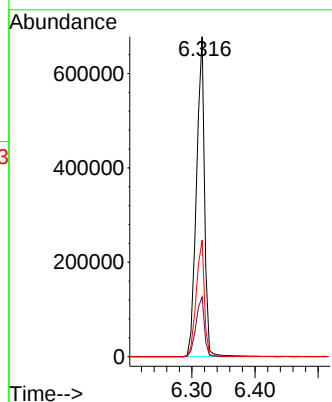
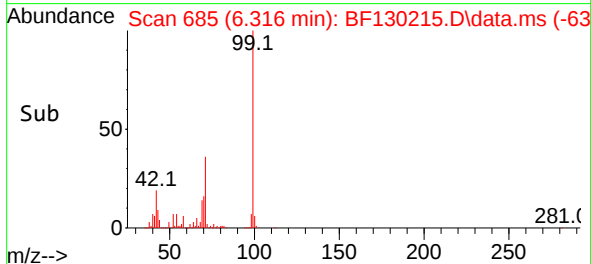
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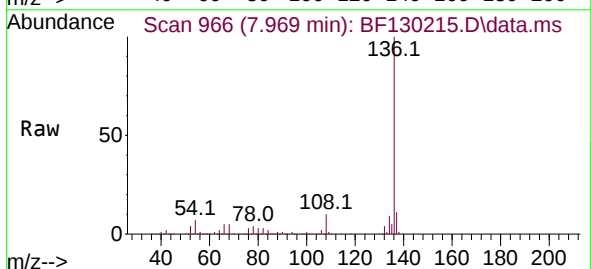
Tgt Ion: 99 Resp: 605725
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 36.4 28.8 43.2

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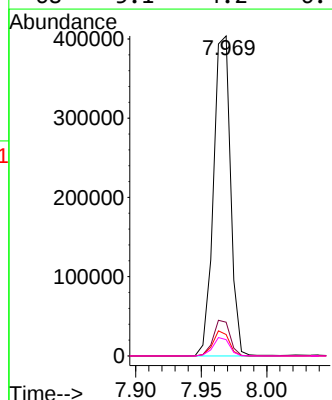
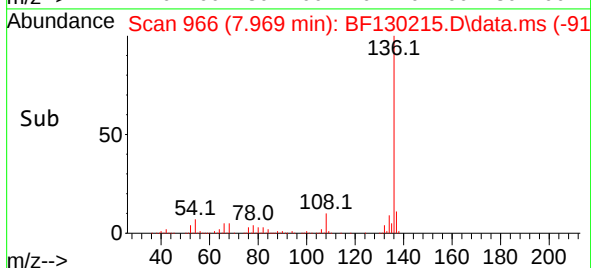
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Supervised By :Jagrut Upadhyay 09/13/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.969 min Scan# 966
Delta R.T. -0.012 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40



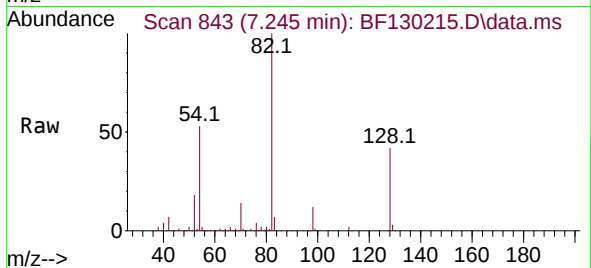
Tgt Ion:136 Resp: 366589
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 6.7 6.2 9.2
68 5.1 4.2 6.4





#23
Nitrobenzene-d5
Concen: 68.422 ng
RT: 7.245 min Scan# 84
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

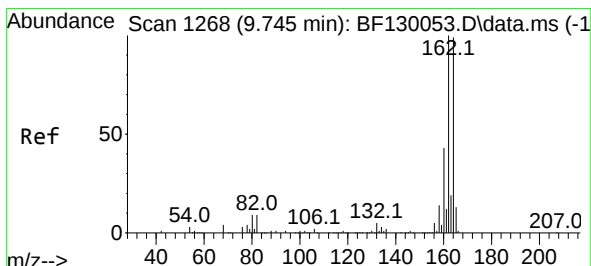
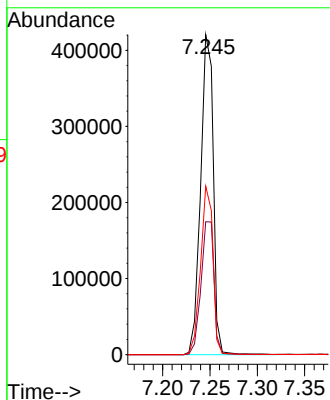
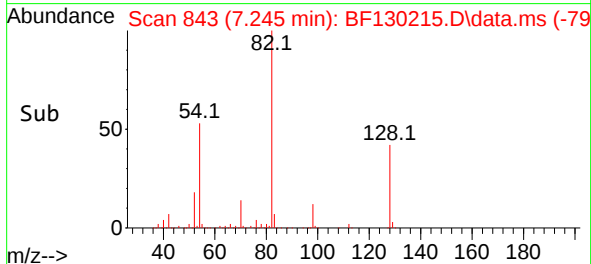
Instrument :
BNA_F
ClientSampleId :
PSC-124019



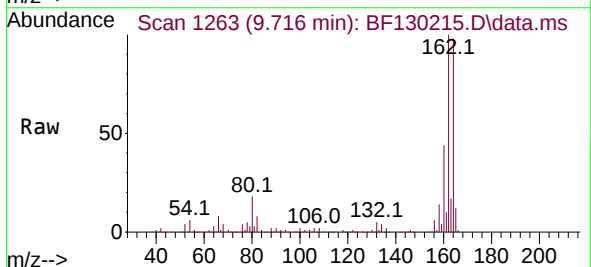
Tgt Ion: 82 Resp: 390297
Ion Ratio Lower Upper
82 100
128 41.5 36.1 54.1
54 52.6 40.0 60.0

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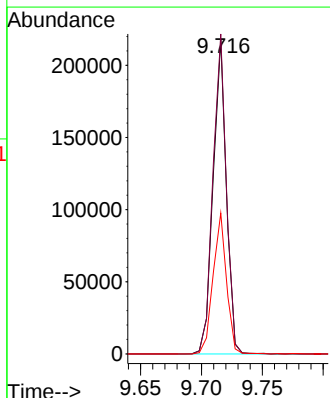
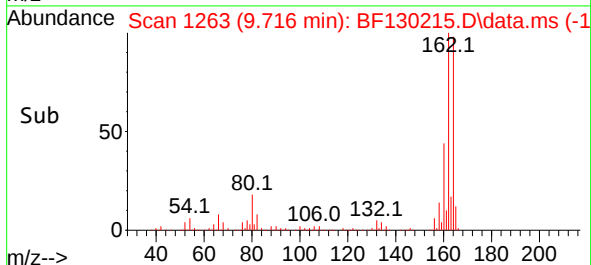
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.716 min Scan# 1263
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40



Tgt Ion:164 Resp: 164560
Ion Ratio Lower Upper
164 100
162 101.8 82.0 123.0
160 44.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 77.012 ng
RT: 10.498 min Scan# 11396
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

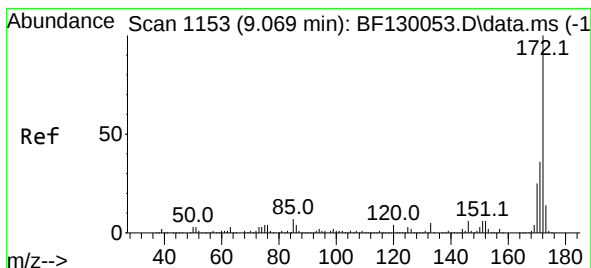
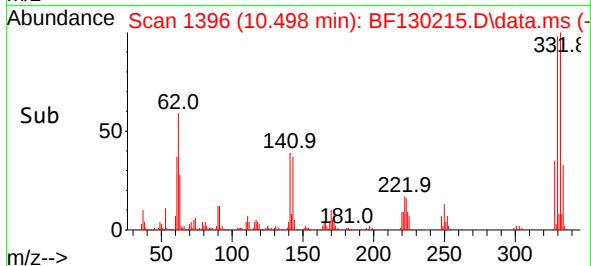
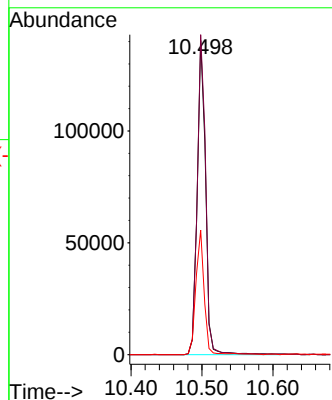
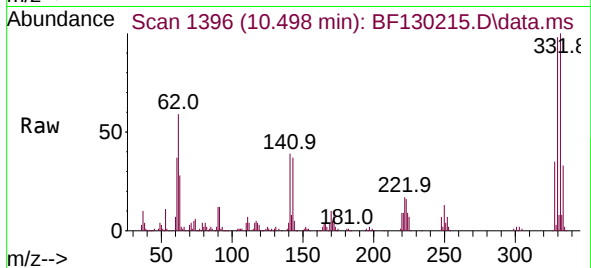
ClientSampleId :

PSC-124019

Tgt Ion: 330 Resp: 115361
Ion Ratio Lower Upper
330 100
332 102.1 82.6 124.0
141 39.4 27.6 41.4

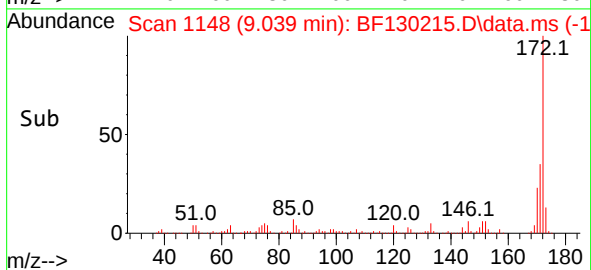
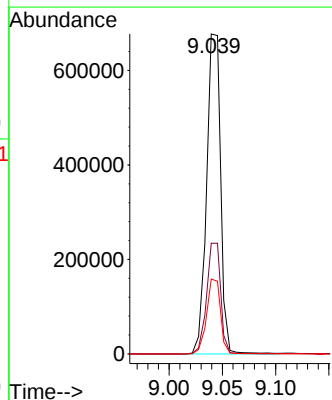
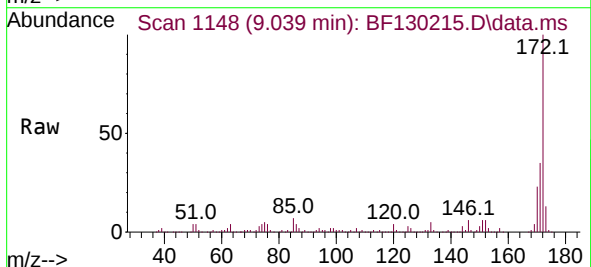
Manual Integrations
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#45
2-Fluorobiphenyl
Concen: 62.540 ng
RT: 9.039 min Scan# 1148
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

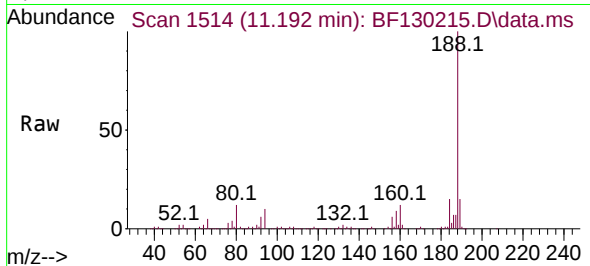
Tgt Ion: 172 Resp: 620741
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.192 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

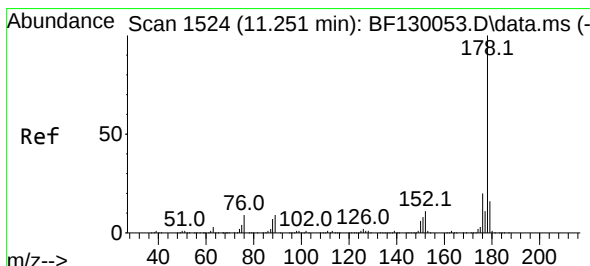
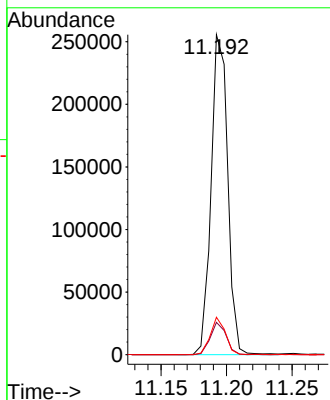
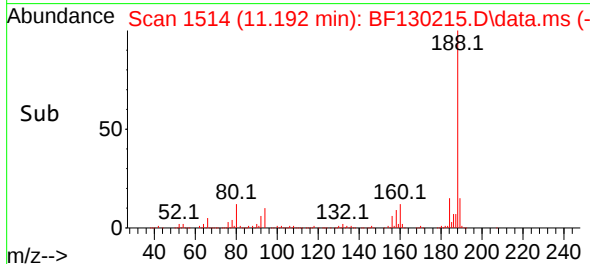
Instrument :
BNA_F
ClientSampleId :
PSC-124019



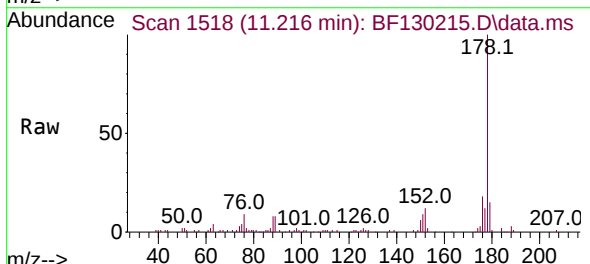
Tgt Ion:188 Resp: 226050
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 11.7 7.9 11.9

Manual Integrations
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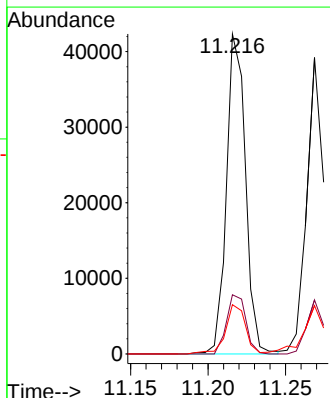
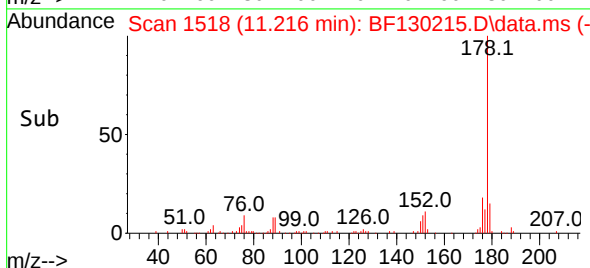
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Supervised By :Jagrut Upadhyay 09/13/2022

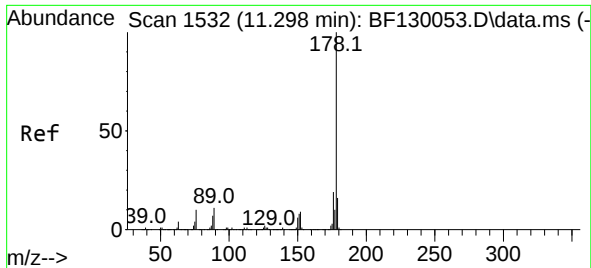


#71
Phenanthrene
Concen: 2.961 ng
RT: 11.216 min Scan# 1518
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40



Tgt Ion:178 Resp: 36294
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 12.5 18.7





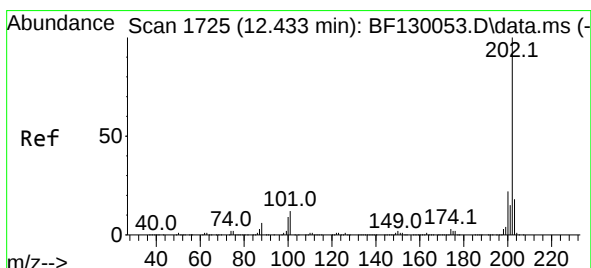
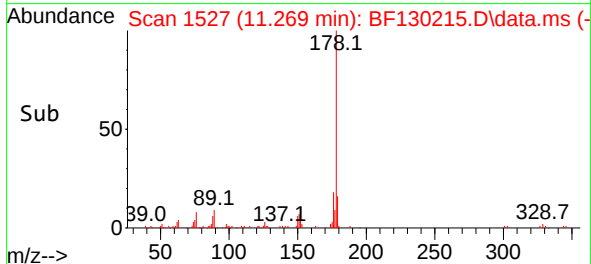
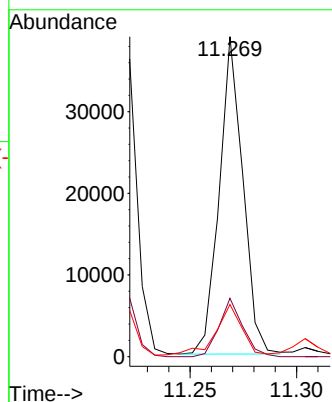
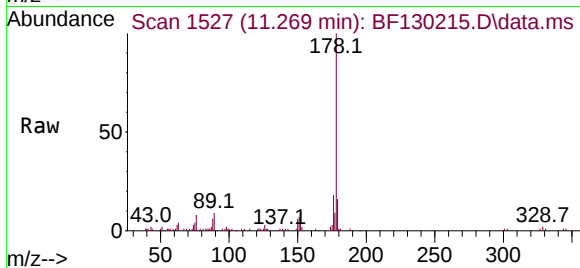
#72
 Anthracene
 Concen: 2.487 ng
 RT: 11.269 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019

Tgt Ion:178 Resp: 29969
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.1 22.7
 179 16.3 12.6 18.8

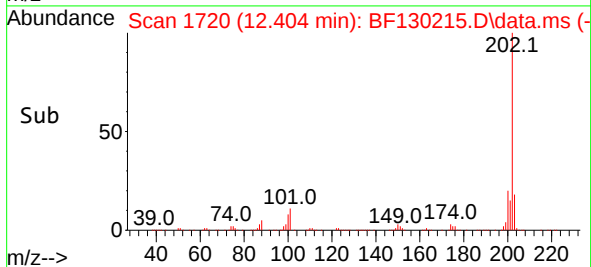
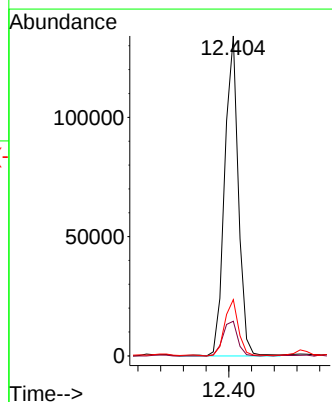
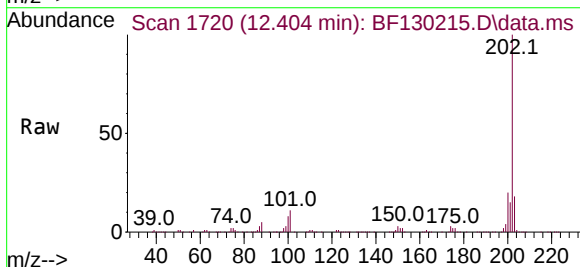
Manual Integrations
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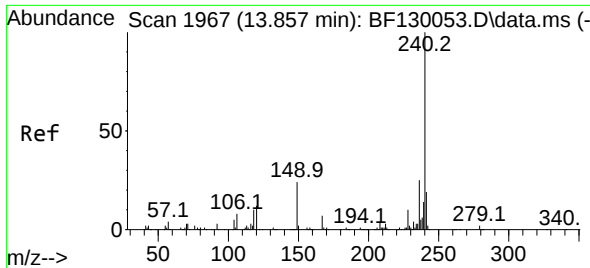
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022



#75
 Fluoranthene
 Concen: 9.242 ng
 RT: 12.404 min Scan# 1720
 Delta R.T. -0.018 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

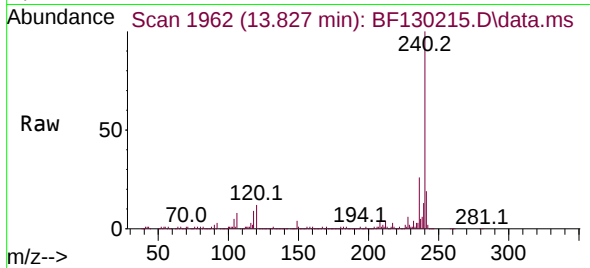
Tgt Ion:202 Resp: 112351
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.7
 203 17.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.827 min Scan# 1962
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

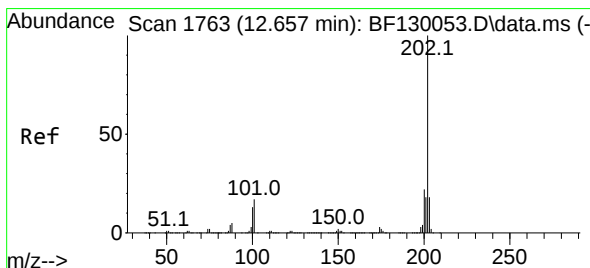
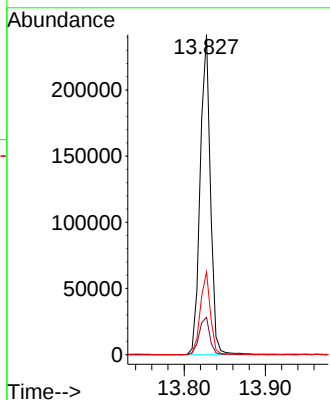
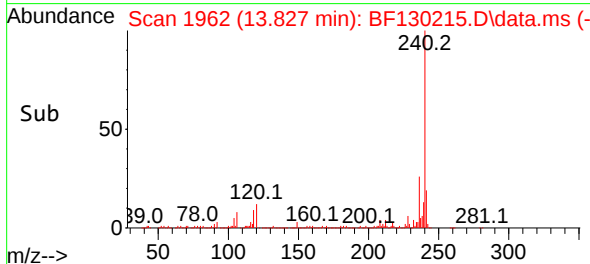
Instrument :
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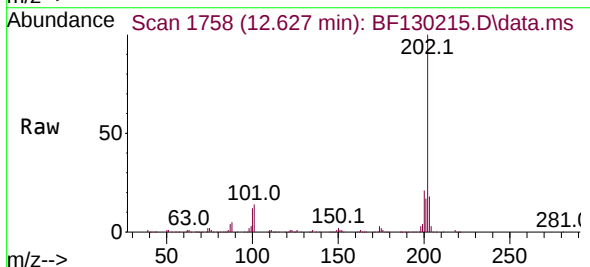
Tgt Ion:240 Resp: 211068
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 25.8 20.7 31.1

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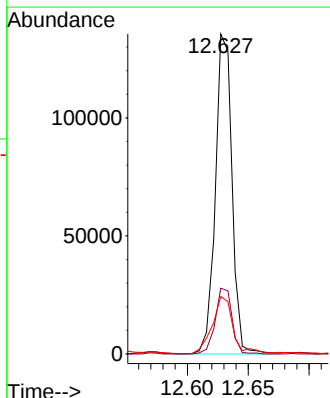
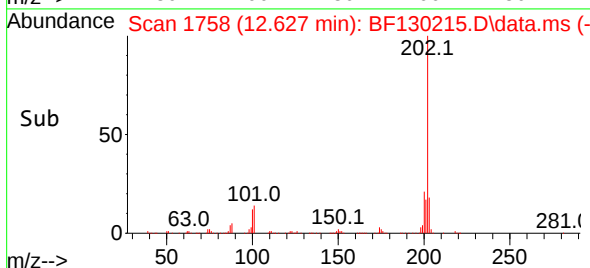
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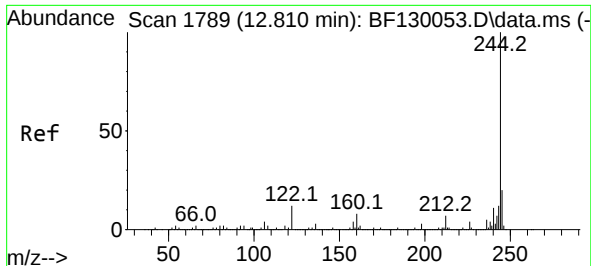


#78
Pyrene
Concen: 6.817 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.024 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40



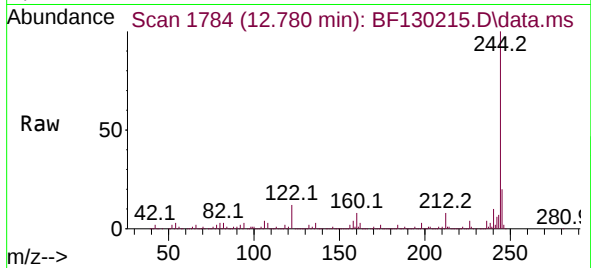
Tgt Ion:202 Resp: 129058
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.9 14.1 21.1





#79
Terphenyl-d14
Concen: 34.907 ng
RT: 12.780 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

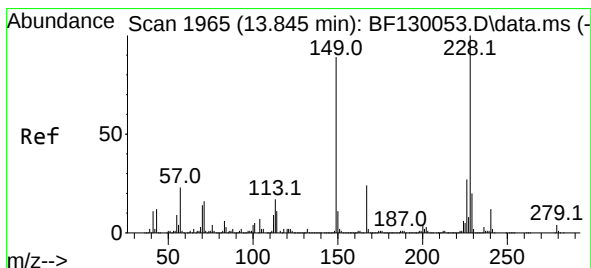
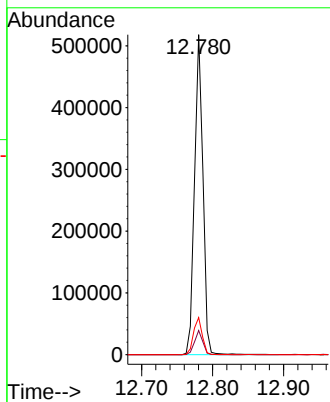
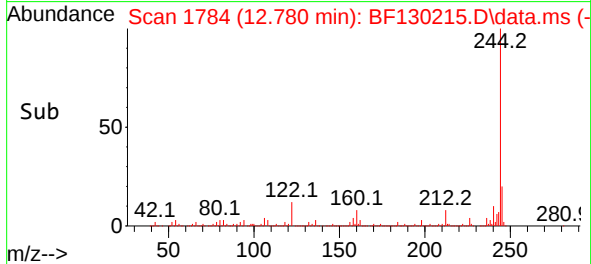
Instrument :
BNA_F
ClientSampleId :
PSC-124019



Tgt Ion:244 Resp: 424870
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 11.6 9.9 14.9

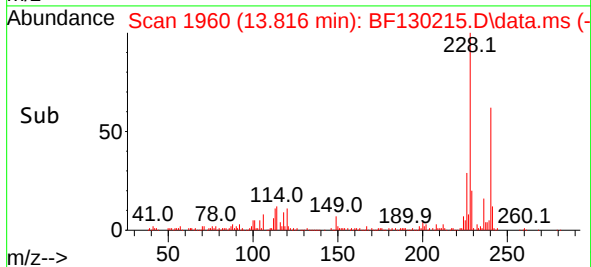
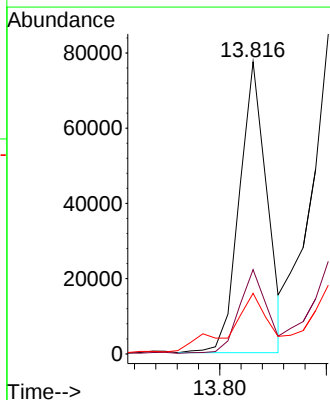
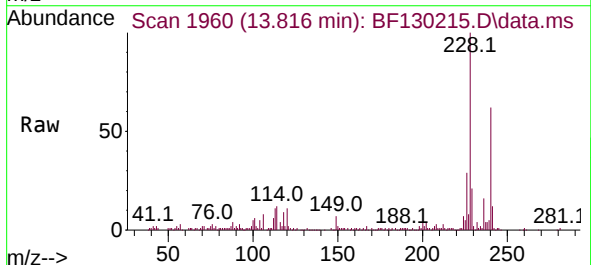
Manual Integrations
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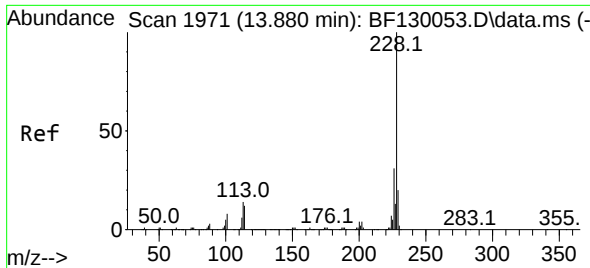
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#81
Benzo(a)anthracene
Concen: 4.807 ng
RT: 13.816 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

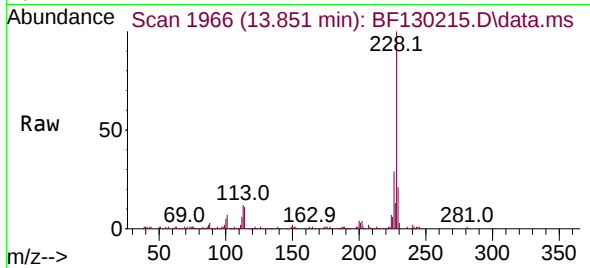
Tgt Ion:228 Resp: 69529
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 20.8 16.1 24.1





#83
Chrysene
Concen: 5.977 ng m
RT: 13.851 min Scan# 1971
Delta R.T. -0.018 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

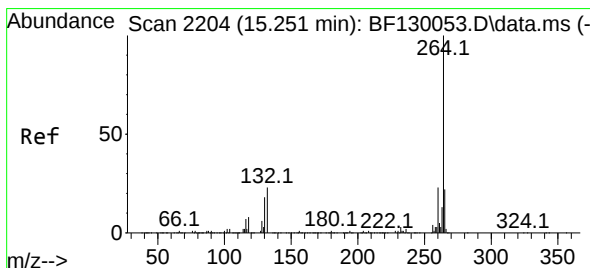
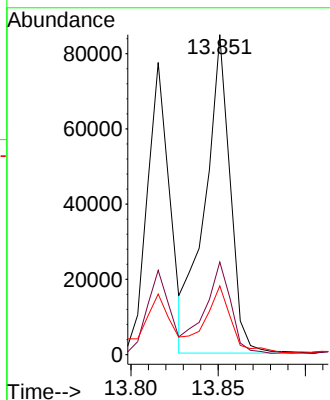
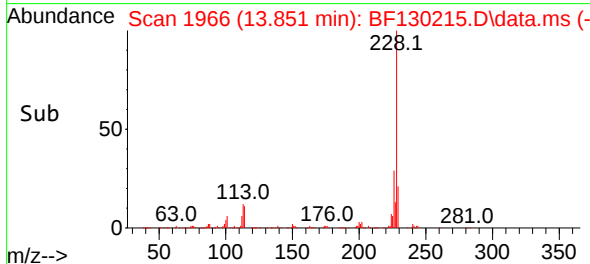
Instrument :
BNA_F
ClientSampleId :
PSC-124019



Tgt Ion:228 Resp: 85238
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 21.5 15.9 23.9

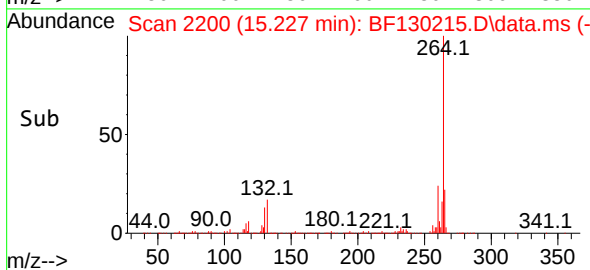
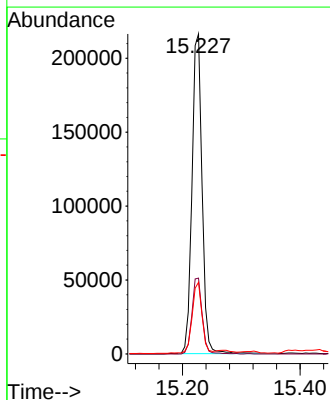
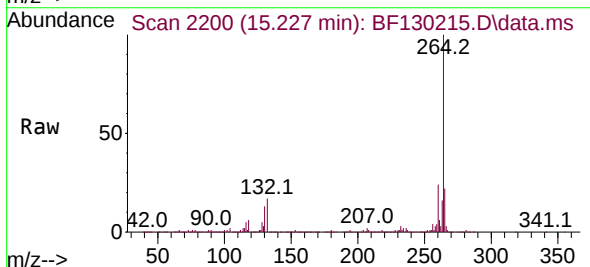
Manual Integrations
APPROVED

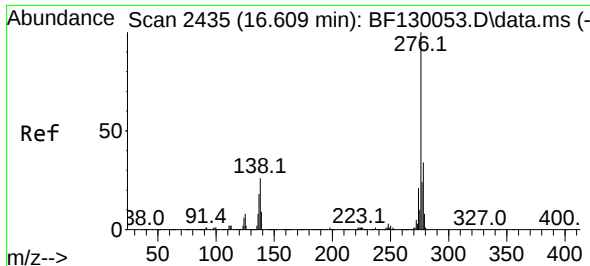
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.227 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BF130215.D
Acq: 12 Sep 2022 20:40

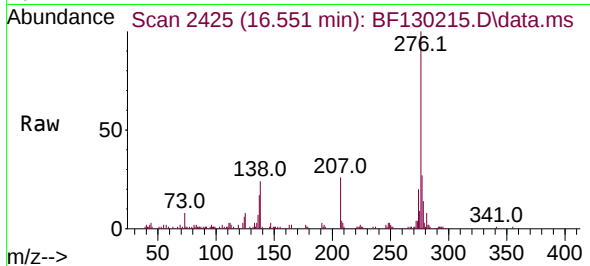
Tgt Ion:264 Resp: 257874
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 22.4 16.7 25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.670 ng
 RT: 16.551 min Scan# 2435
 Delta R.T. -0.035 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

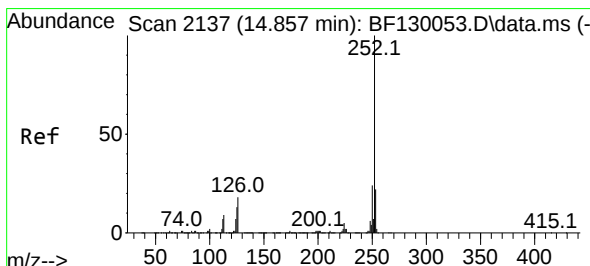
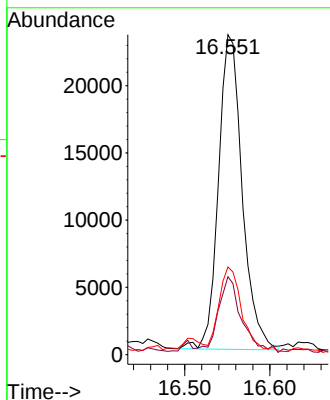
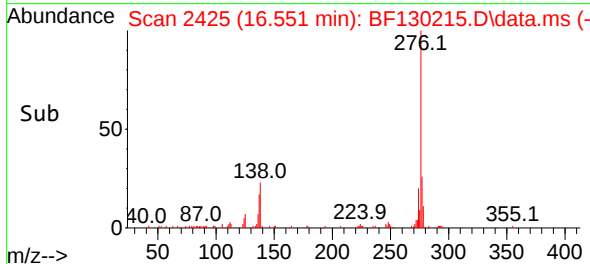
Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019



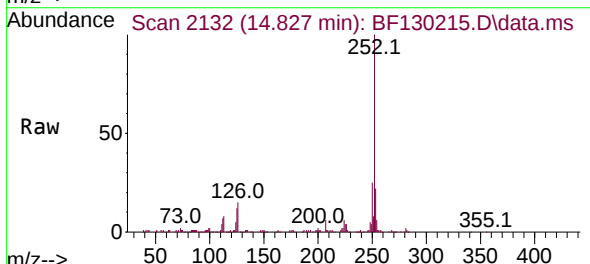
Tgt Ion: 276 Resp: 45418
 Ion Ratio Lower Upper
 276 100
 138 21.6 19.8 29.8
 277 28.4 20.4 30.6

Manual Integrations
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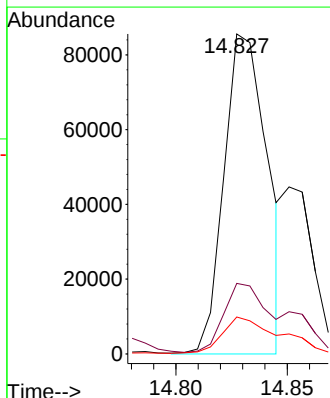
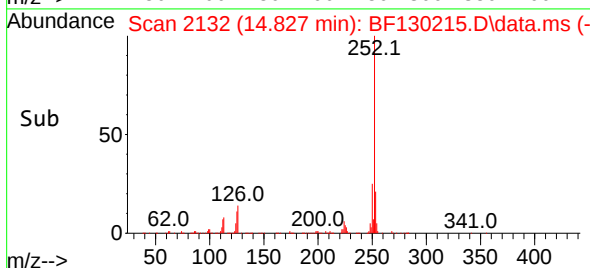
Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

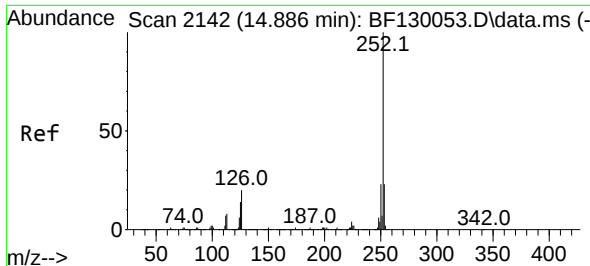


#88
 Benzo(b)fluoranthene
 Concen: 6.747 ng m
 RT: 14.827 min Scan# 2132
 Delta R.T. -0.018 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40



Tgt Ion: 252 Resp: 116025
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 11.5 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 2.587 ng m

RT: 14.851 min Scan# 2142

Delta R.T. -0.023 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

Instrument :

BNA_F

ClientSampleId :

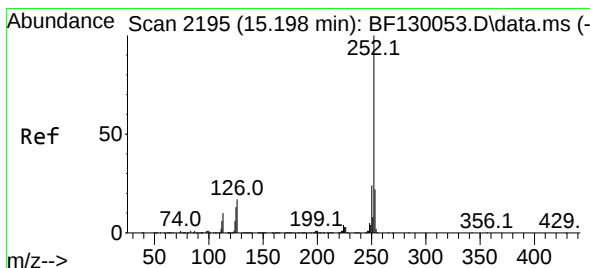
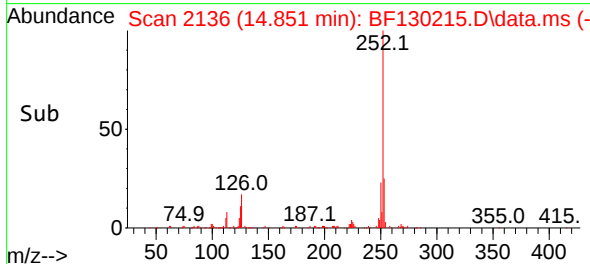
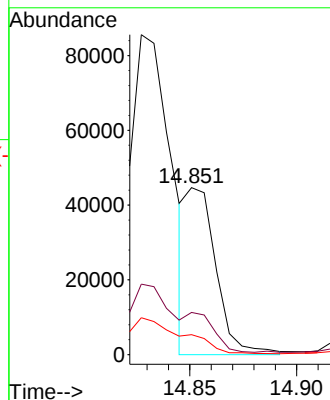
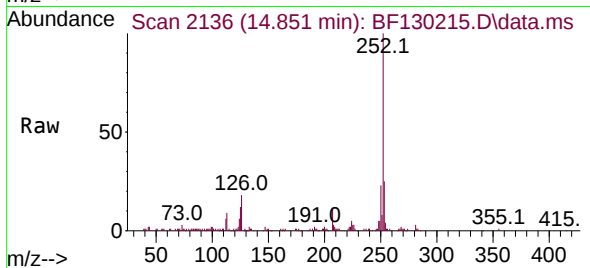
PSC-124019

Tgt Ion:252	Resp:	43033
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.1 25.7
125	11.9	8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#90

Benzo(a)pyrene

Concen: 6.032 ng

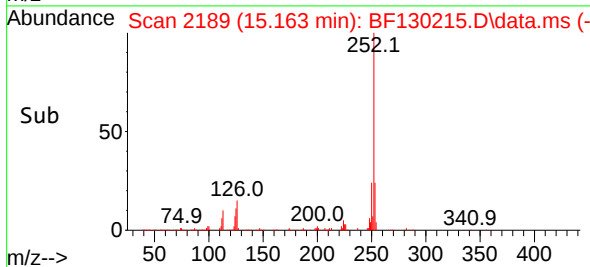
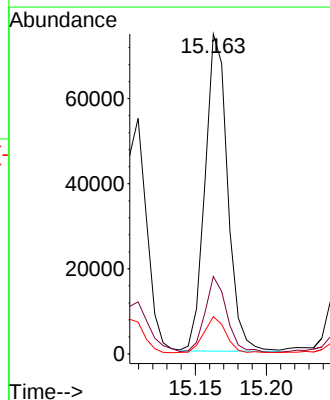
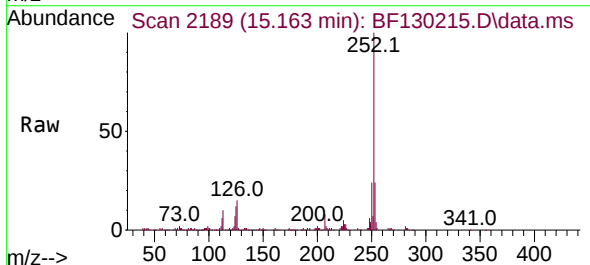
RT: 15.163 min Scan# 2189

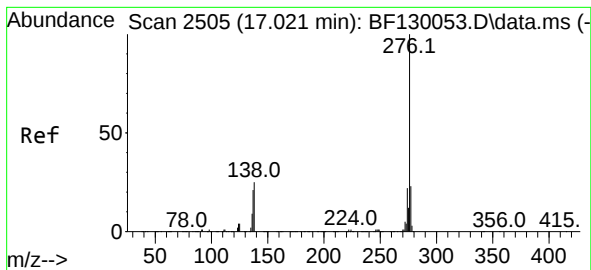
Delta R.T. -0.018 min

Lab File: BF130215.D

Acq: 12 Sep 2022 20:40

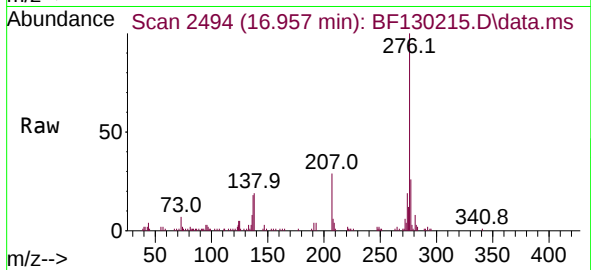
Tgt Ion:252	Resp:	82423
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.2 25.8
125	11.6	8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.138 ng
 RT: 16.957 min Scan# 2494
 Delta R.T. -0.041 min
 Lab File: BF130215.D
 Acq: 12 Sep 2022 20:40

Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019



Tgt Ion:	276	Resp:	43705
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.2	27.4
138	19.1	15.8	23.8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

