

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112522\
 Data File : BF131415.D
 Acq On : 26 Nov 2022 01:36
 Operator : CG\JU
 Sample : N5762-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/28/2022
 Supervised By : Jagrut Upadhyay 11/29/2022

Quant Time: Nov 26 03:19:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 25 23:13:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	79419	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	300361	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	171498	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	303022	20.000	ng	-0.01
76) Chrysene-d12	14.163	240	187505	20.000	ng	-0.01
86) Perylene-d12	15.698	264	164209	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	720147	172.578	ng	0.01
7) Phenol-d6	6.575	99	901097	169.248	ng	0.00
23) Nitrobenzene-d5	7.522	82	593178	99.551	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	266137	184.455	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1104826	93.723	ng	0.00
79) Terphenyl-d14	13.104	244	1149148	100.219	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.527	178	68921	4.209	ng	99
75) Fluoranthene	12.722	202	131665	7.630	ng	99
78) Pyrene	12.957	202	107864	6.520	ng	98
81) Benzo(a)anthracene	14.151	228	53540	4.166	ng	99
83) Chrysene	14.186	228	52774m	4.185	ng	
87) Indeno(1,2,3-cd)pyrene	17.256	276	29279	2.655	ng	97
88) Benzo(b)fluoranthene	15.239	252	59089m	5.417	ng	
90) Benzo(a)pyrene	15.627	252	42752	4.776	ng	# 96
92) Benzo(g,h,i)perylene	17.733	276	27396	3.015	ng	96

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

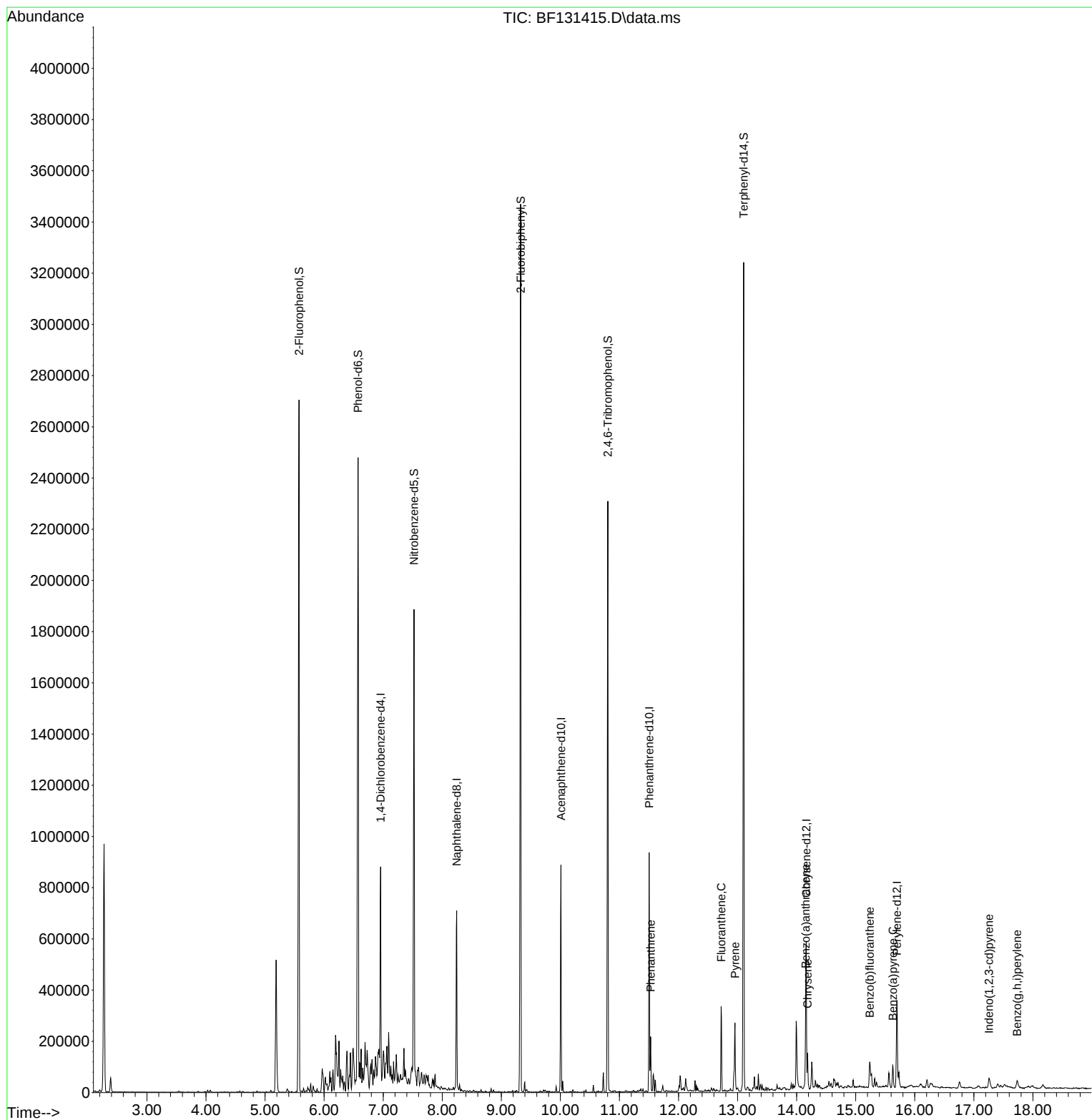
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112522\
Data File : BF131415.D
Acq On : 26 Nov 2022 01:36
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ALS Vial : 19 Sample Multiplier: 1

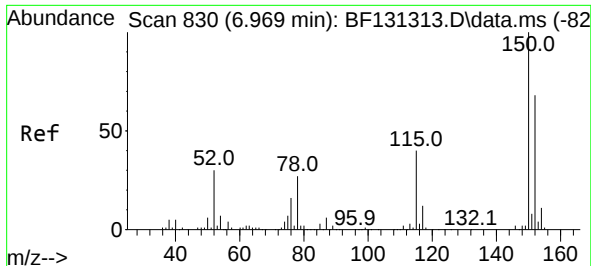
Instrument :
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TP-1

Quant Time: Nov 26 03:19:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 25 23:13:01 2022
Response via : Initial Calibration

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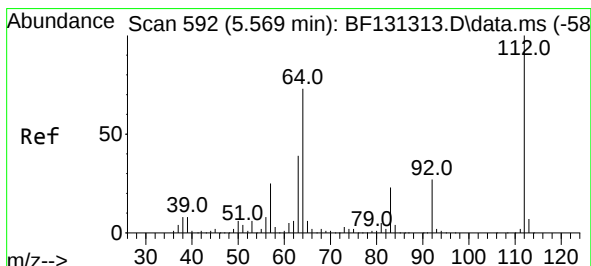
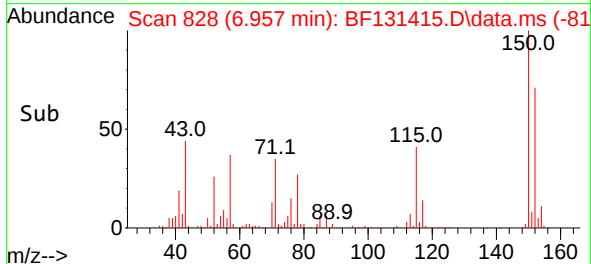
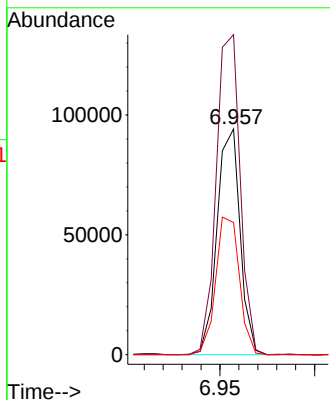
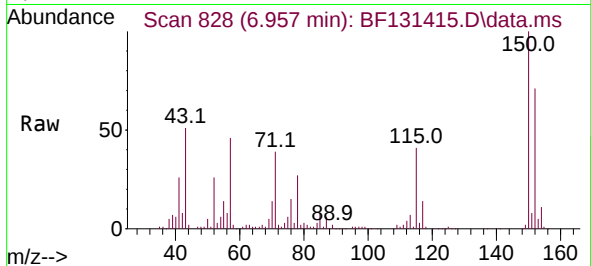
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 79419
Ion Ratio Lower Upper
152 100
150 141.8 117.8 176.8
115 58.5 47.1 70.7

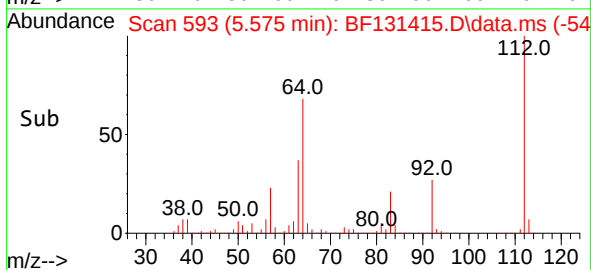
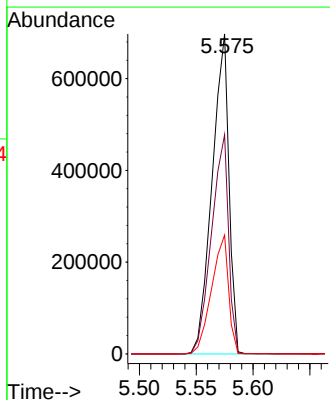
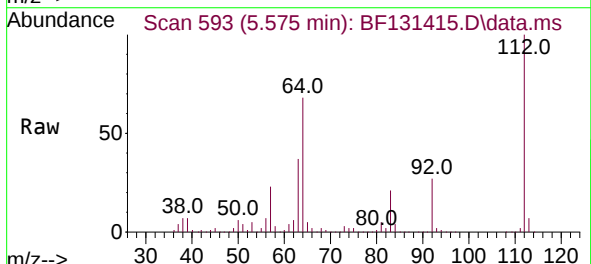
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#5
2-Fluorophenol
Concen: 172.578 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.012 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

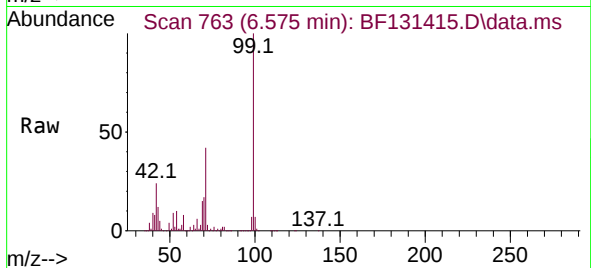
Tgt Ion:112 Resp: 720147
Ion Ratio Lower Upper
112 100
64 68.5 58.6 88.0
63 37.1 31.4 47.0





#7
Phenol-d6
Concen: 169.248 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

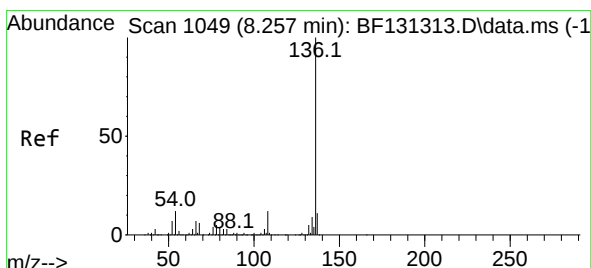
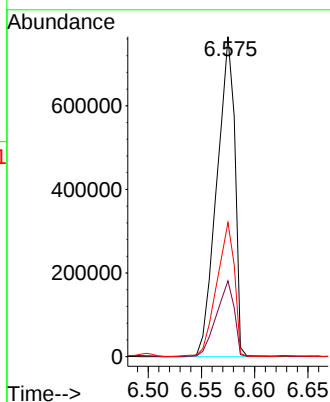
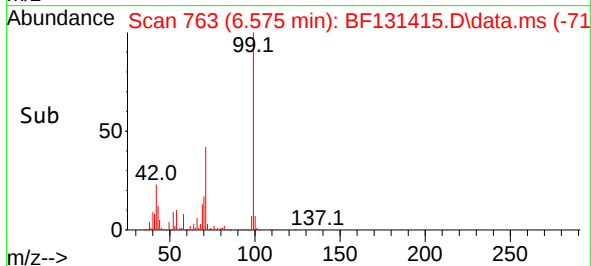
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion: 99 Resp: 901097
Ion Ratio Lower Upper
99 100
42 23.7 19.4 29.2
71 41.9 32.3 48.5

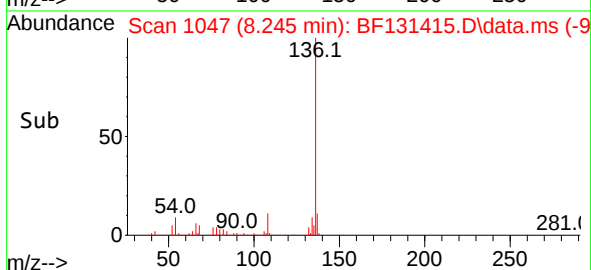
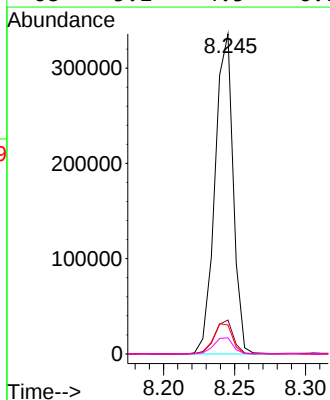
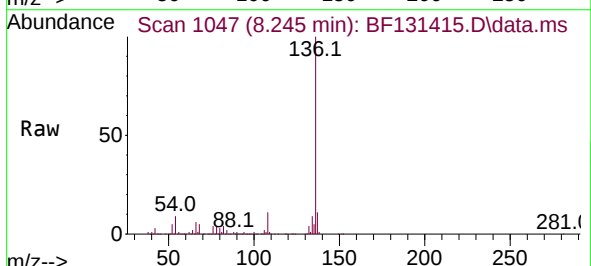
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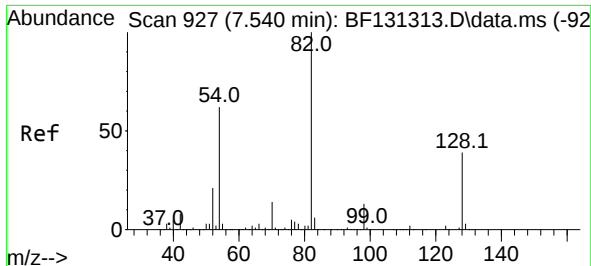
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

Tgt Ion:136 Resp: 300361
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.0 9.4 14.0#
68 5.1 4.5 6.7





#23

Nitrobenzene-d5

Concen: 99.551 ng

RT: 7.522 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF131415.D

Acq: 26 Nov 2022 01:36

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 593178

Ion Ratio Lower Upper

82 100

128 39.3 31.4 47.0

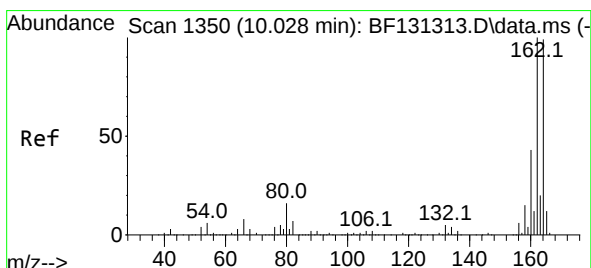
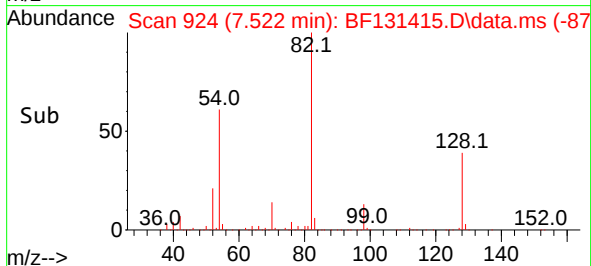
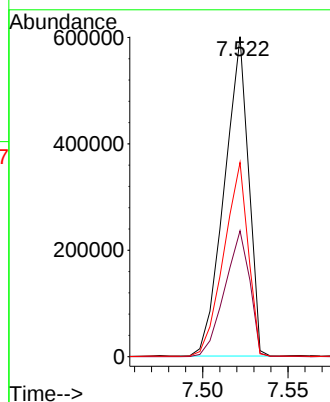
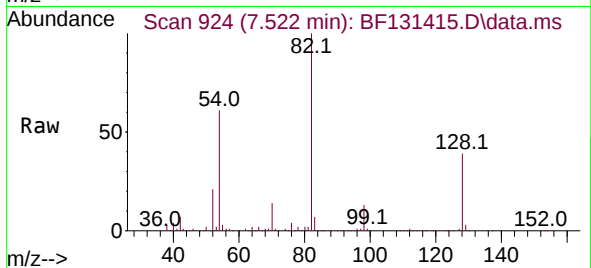
54 60.7 49.8 74.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1347

Delta R.T. -0.006 min

Lab File: BF131415.D

Acq: 26 Nov 2022 01:36

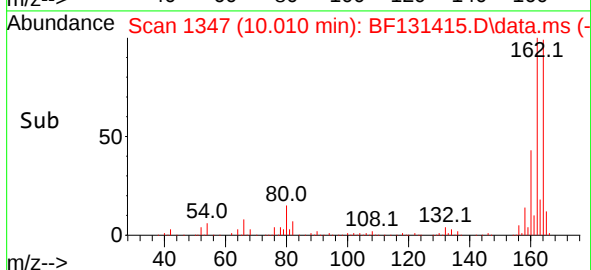
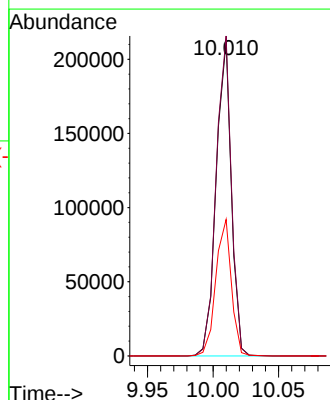
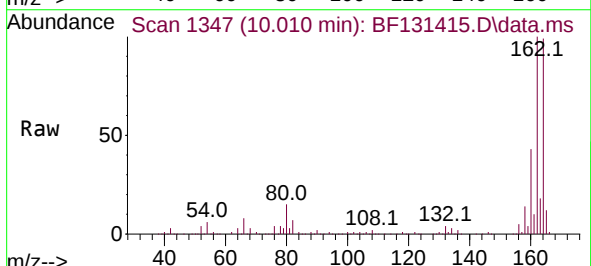
Tgt Ion:164 Resp: 171498

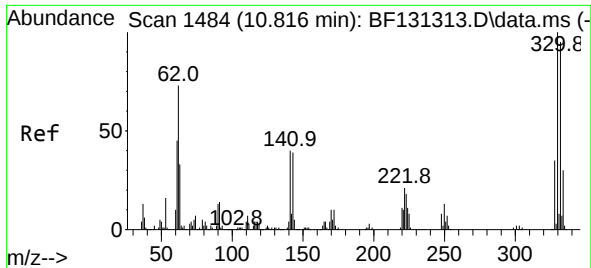
Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

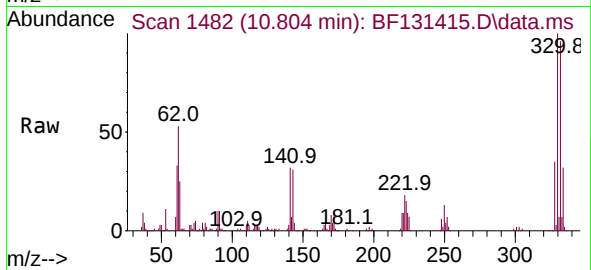
160 43.3 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 184.455 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

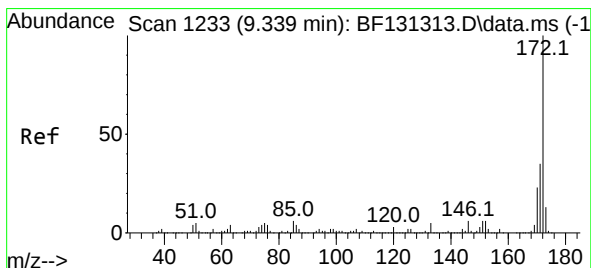
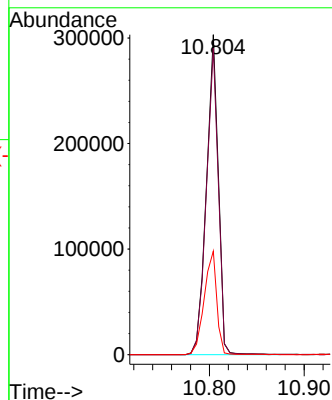
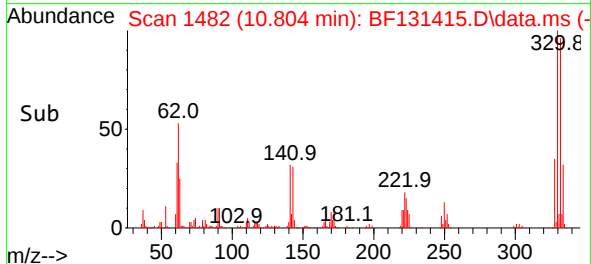
Instrument :
BNA_F
ClientSampleId :
TP-1



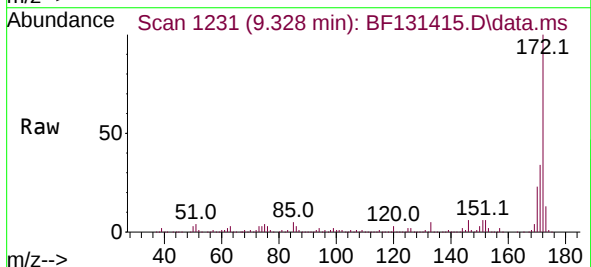
Tgt Ion: 330 Resp: 266137
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 34.1 29.3 43.9

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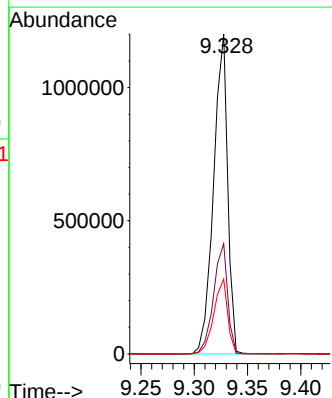
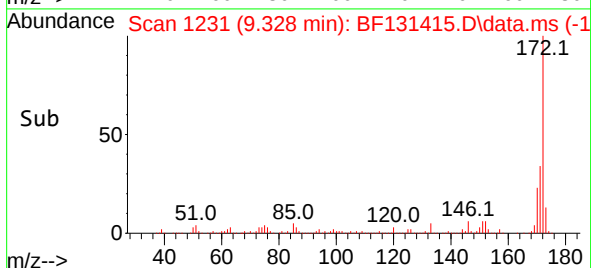
Reviewed By : Christian Giraldo 11/28/2022
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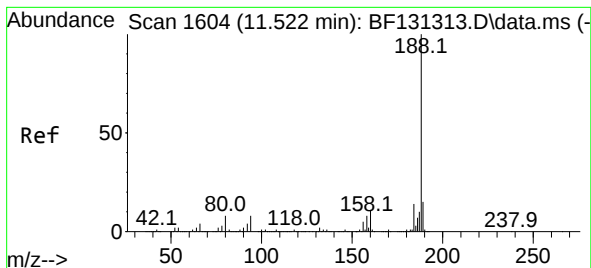


#45
2-Fluorobiphenyl
Concen: 93.723 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36



Tgt Ion: 172 Resp: 1104826
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.4 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1601

Delta R.T. -0.012 min

Lab File: BF131415.D

Acq: 26 Nov 2022 01:36

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:188 Resp: 30302

Ion Ratio Lower Upper

188 100

94 7.7 6.3 9.5

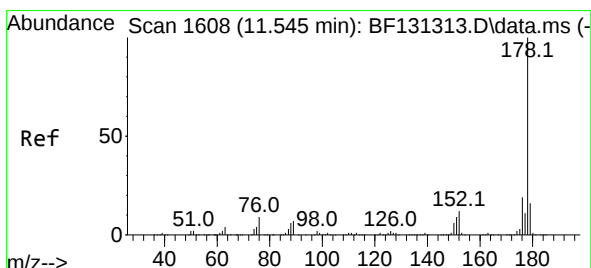
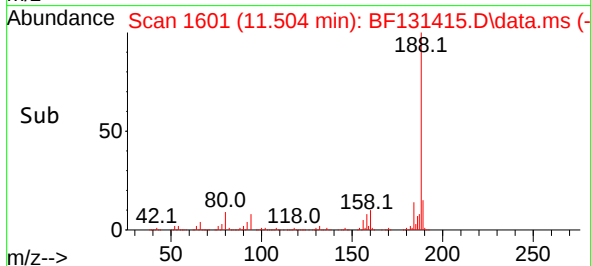
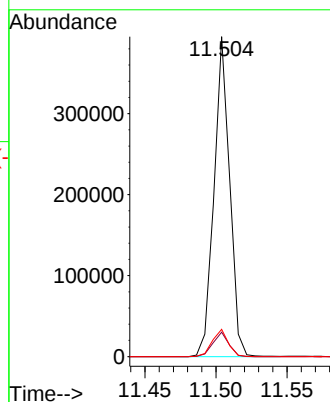
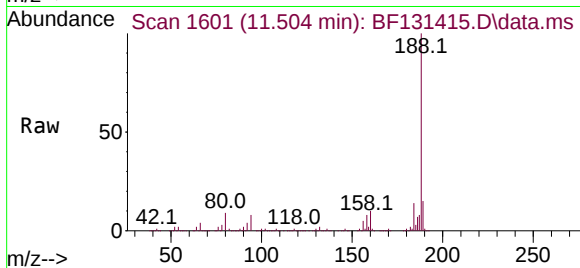
80 8.6 6.8 10.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/28/2022

Supervised By :Jagrut Upadhyay 11/29/2022



#71

Phenanthrene

Concen: 4.209 ng

RT: 11.527 min Scan# 1605

Delta R.T. -0.012 min

Lab File: BF131415.D

Acq: 26 Nov 2022 01:36

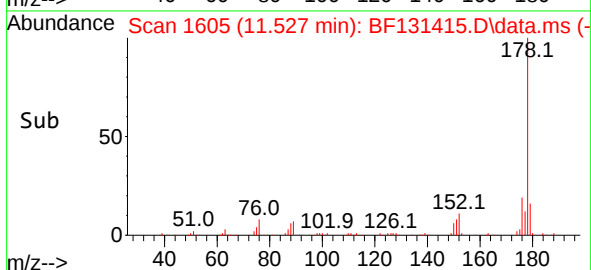
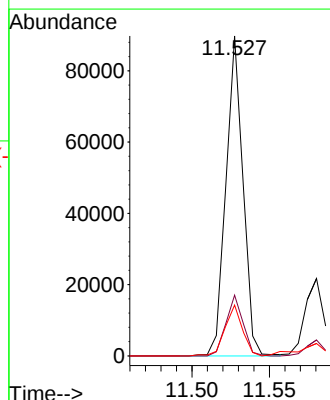
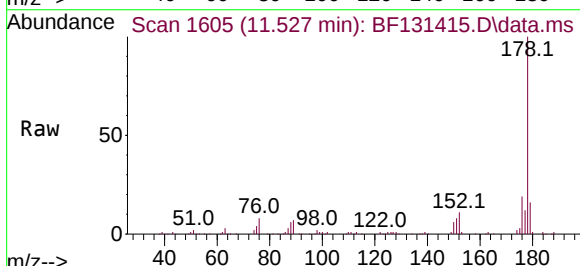
Tgt Ion:178 Resp: 68921

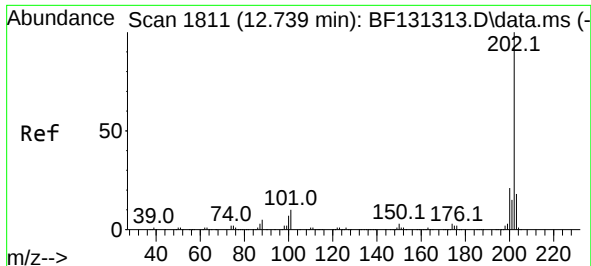
Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

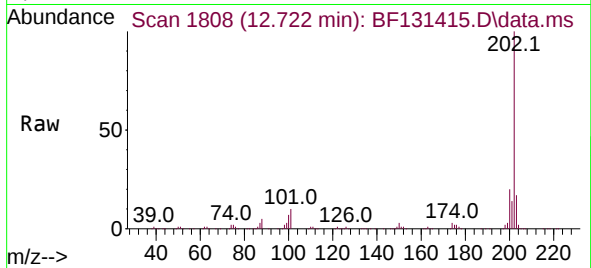
179 15.9 12.4 18.6





#75
Fluoranthene
Concen: 7.630 ng
RT: 12.722 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

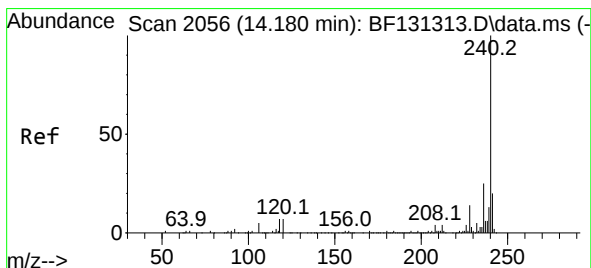
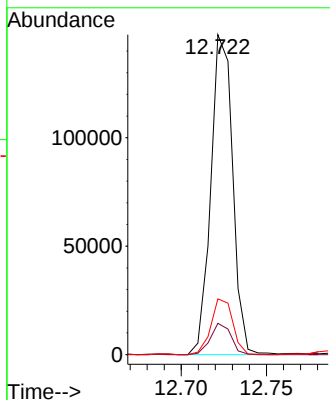
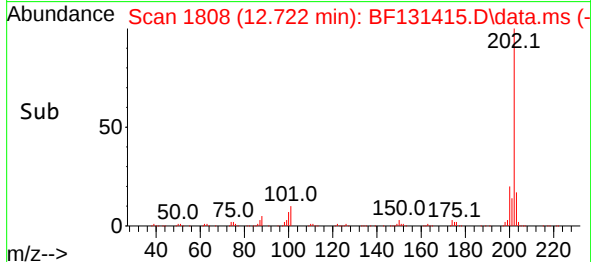
Instrument :
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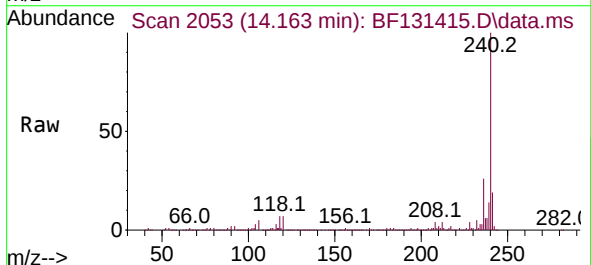
Tgt Ion:202 Resp: 131665
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 17.4 0.0 37.8

Manual Integrations
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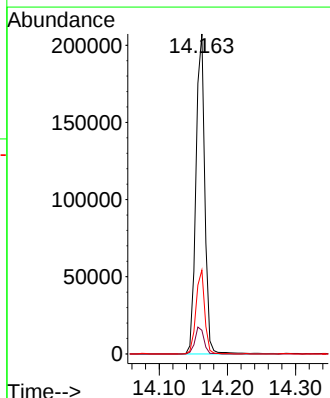
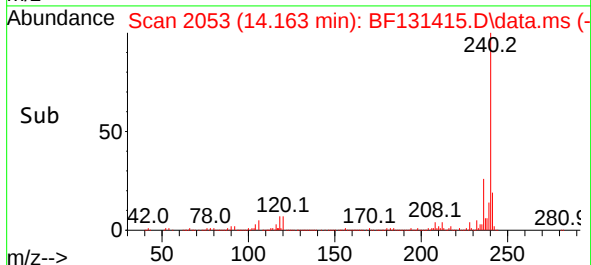
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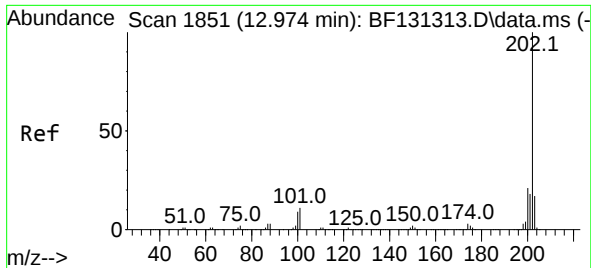


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.012 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36



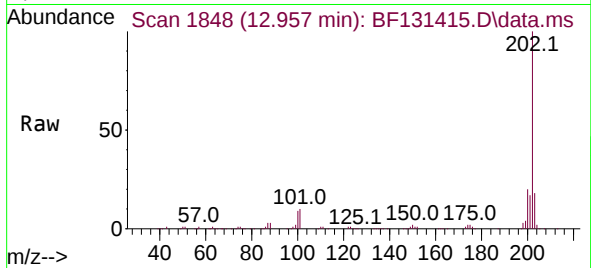
Tgt Ion:240 Resp: 187505
Ion Ratio Lower Upper
240 100
120 7.4 5.8 8.8
236 26.2 20.3 30.5





#78
Pyrene
Concen: 6.520 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

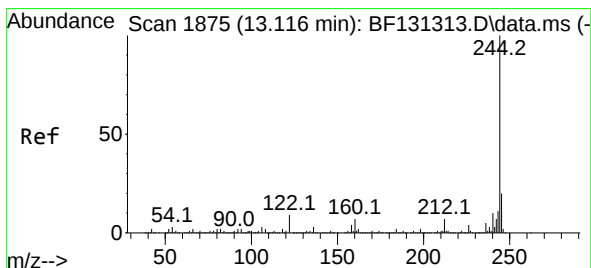
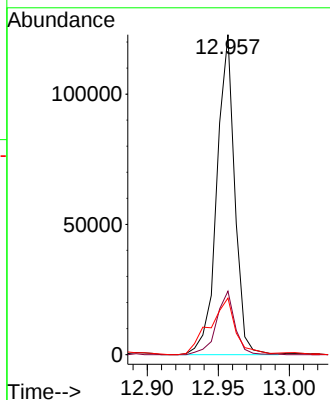
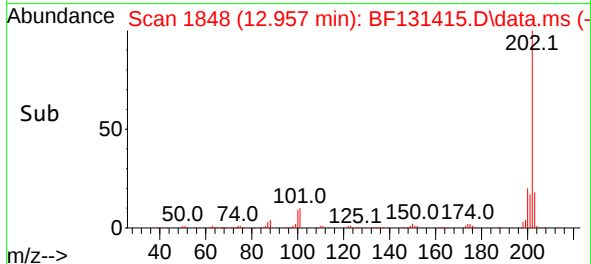
Instrument :
BNA_F
ClientSampleId :
TP-1



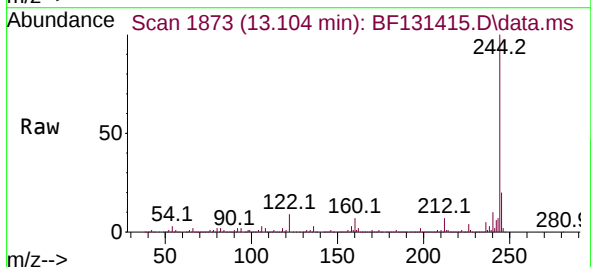
Tgt Ion:202 Resp: 107864
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 17.7 13.9 20.9

Manual Integrations
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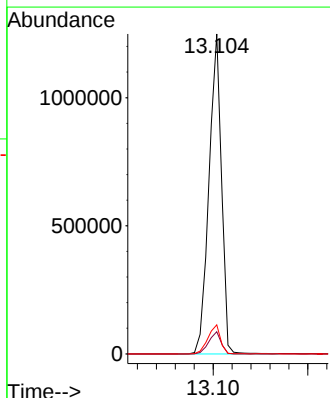
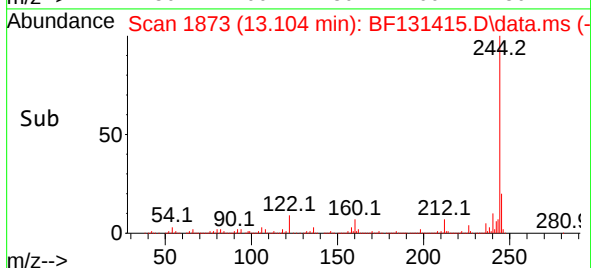
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

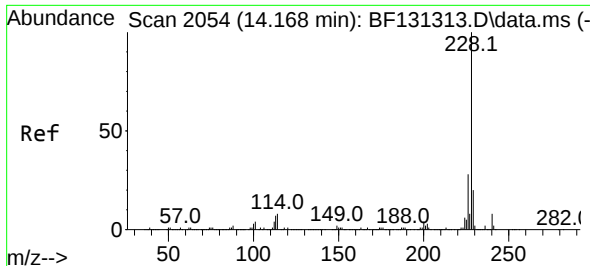


#79
Terphenyl-d14
Concen: 100.219 ng
RT: 13.104 min Scan# 1873
Delta R.T. -0.006 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36



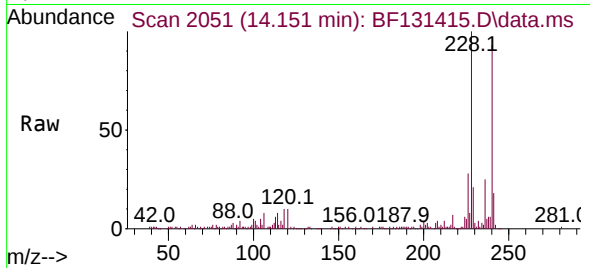
Tgt Ion:244 Resp: 1149148
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 9.1 7.5 11.3





#81
Benzo(a)anthracene
Concen: 4.166 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.012 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

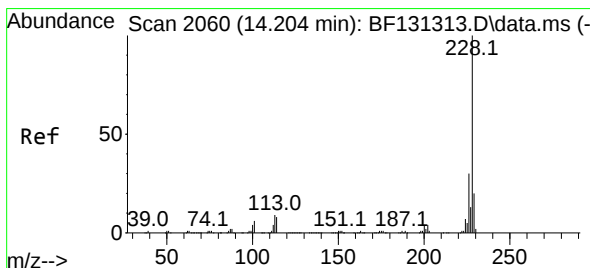
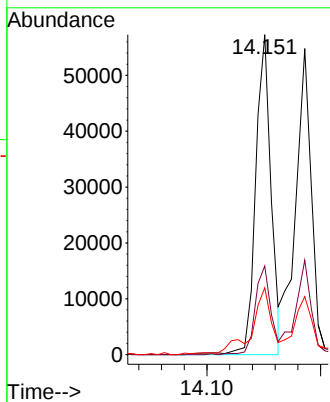
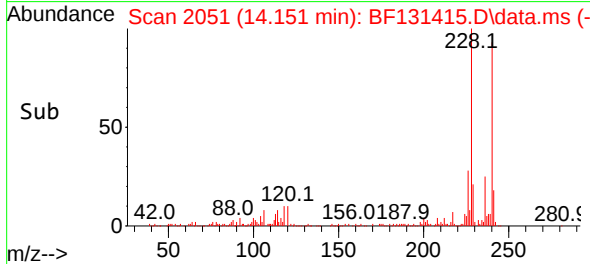
Instrument :
BNA_F
ClientSampleId :
TP-1



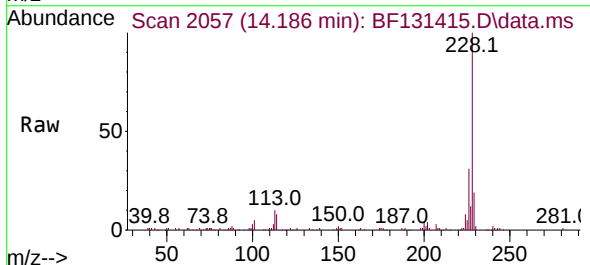
Tgt Ion:228 Resp: 53540
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 20.9 15.7 23.5

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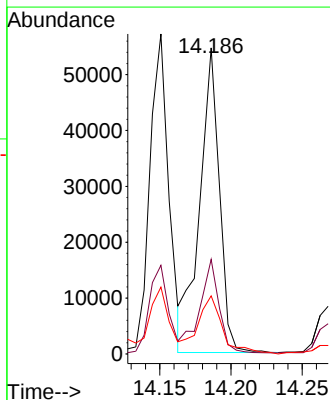
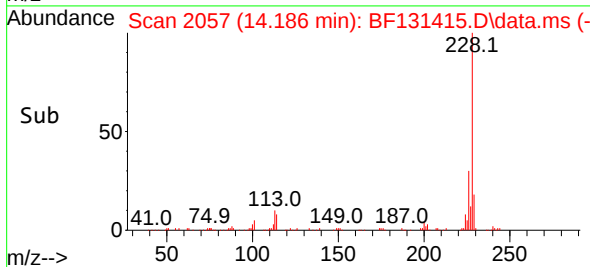
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

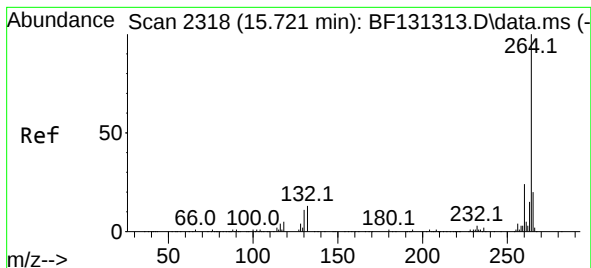


#83
Chrysene
Concen: 4.185 ng m
RT: 14.186 min Scan# 2057
Delta R.T. -0.012 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36



Tgt Ion:228 Resp: 52774
Ion Ratio Lower Upper
228 100
226 30.9 23.7 35.5
229 19.0 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.698 min Scan# 2318

Delta R.T. -0.012 min

Lab File: BF131415.D

Acq: 26 Nov 2022 01:36

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:264 Resp: 164209

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

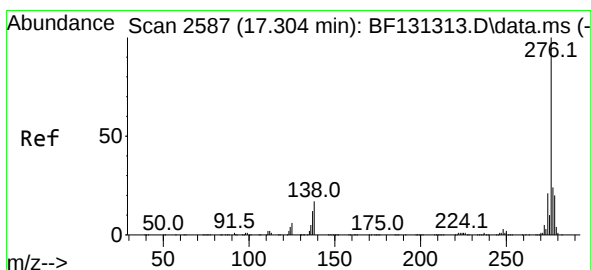
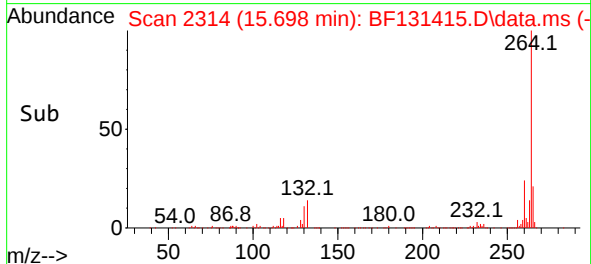
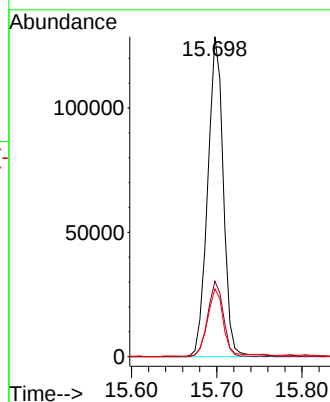
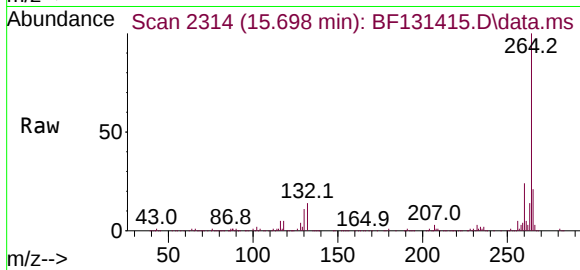
265 21.2 16.4 24.6

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Reviewed By :Christian Giraldo 11/28/2022

Supervised By :Jagrut Upadhyay 11/29/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.655 ng

RT: 17.256 min Scan# 2579

Delta R.T. -0.035 min

Lab File: BF131415.D

Acq: 26 Nov 2022 01:36

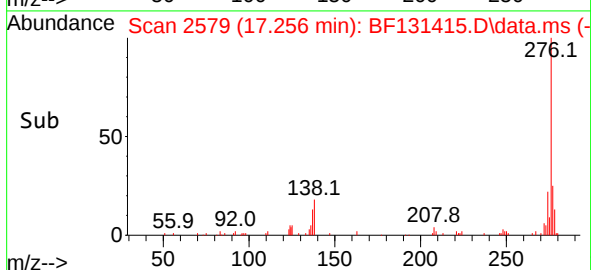
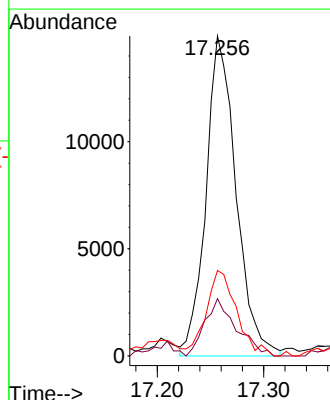
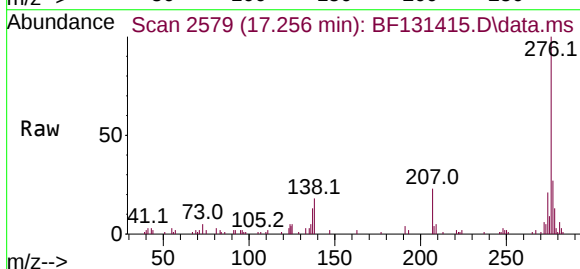
Tgt Ion:276 Resp: 29279

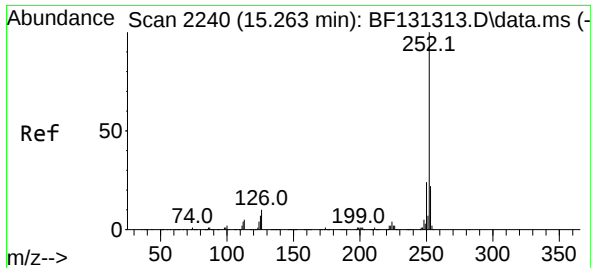
Ion Ratio Lower Upper

276 100

138 18.7 15.8 23.6

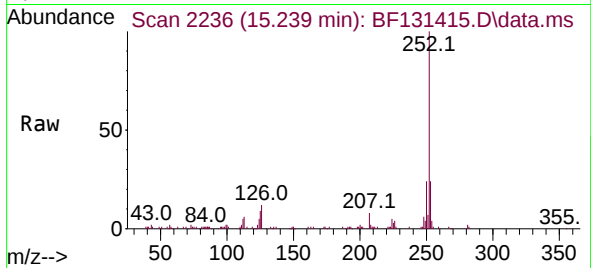
277 27.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 5.417 ng m
RT: 15.239 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

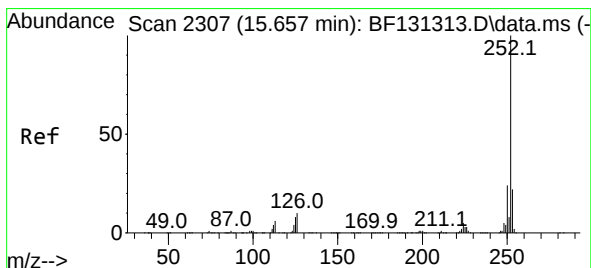
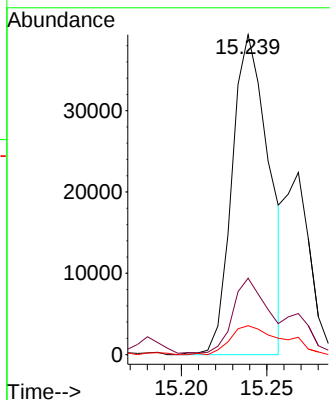
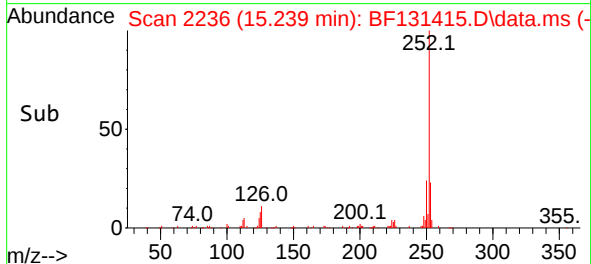
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 59089
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 9.0 5.8 8.6

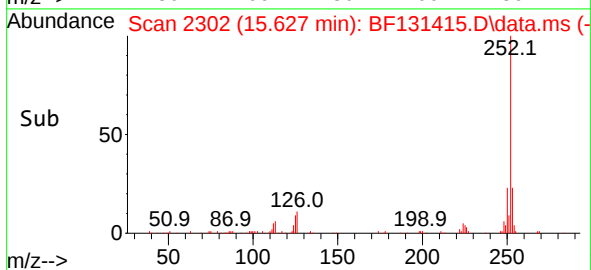
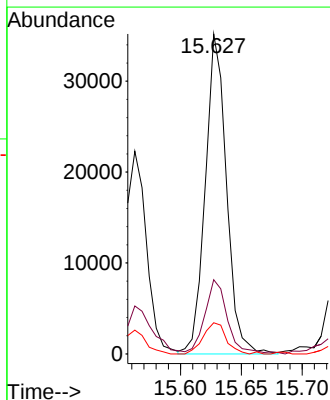
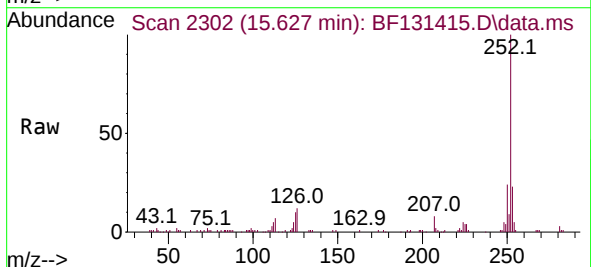
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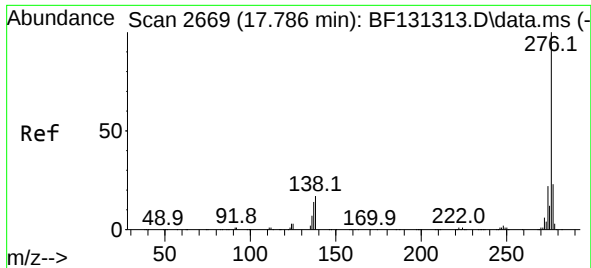
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#90
Benzo(a)pyrene
Concen: 4.776 ng
RT: 15.627 min Scan# 2302
Delta R.T. -0.018 min
Lab File: BF131415.D
Acq: 26 Nov 2022 01:36

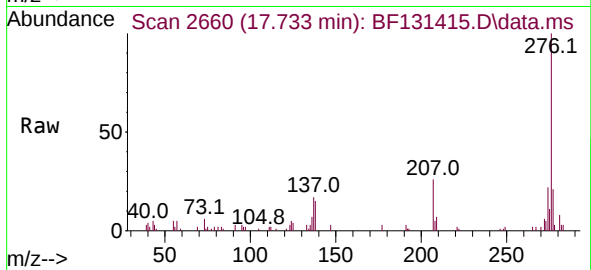
Tgt Ion:252 Resp: 42752
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.7 6.1 9.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.015 ng
 RT: 17.733 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF131415.D
 Acq: 26 Nov 2022 01:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:276 Resp: 27396
 Ion Ratio Lower Upper
 276 100
 277 20.8 18.3 27.5
 138 15.4 13.8 20.6

Manual Integrations
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Reviewed By :Christian Giraldo 11/28/2022
 Supervised By :Jagrut Upadhyay 11/29/2022

