

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
 Data File : BF128815.D
 Acq On : 14 Jun 2022 22:43
 Operator : CG\JU
 Sample : N3328-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-061022

Quant Time: Jun 15 01:03:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 06/15/2022
 Supervised By : Jagrut Upadhyay 06/15/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	64539	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	219140	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	104283	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	186119	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	153327	20.000	ng	0.00
86) Perylene-d12	15.415	264	114537	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	423376	104.490	ng	0.00
7) Phenol-d6	6.439	99	508160	102.742	ng	0.00
23) Nitrobenzene-d5	7.345	82	334193	71.003	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	125507	101.860	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	598844	80.441	ng	0.00
79) Terphenyl-d14	12.904	244	659197	74.706	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	67463	7.227	ng	98
72) Anthracene	11.386	178	20260	2.193	ng	99
75) Fluoranthene	12.527	202	97604	10.002	ng	95
78) Pyrene	12.757	202	93994	8.240	ng	98
81) Benzo(a)anthracene	13.945	228	45112	4.720	ng	# 94
83) Chrysene	13.980	228	42370	4.650	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.856	276	14158	2.051	ng	# 91
88) Benzo(b)fluoranthene	14.992	252	41847m	5.718	ng	
90) Benzo(a)pyrene	15.351	252	28215	4.905	ng	# 64
92) Benzo(g,h,i)perylene	17.298	276	15951	2.811	ng	# 81

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

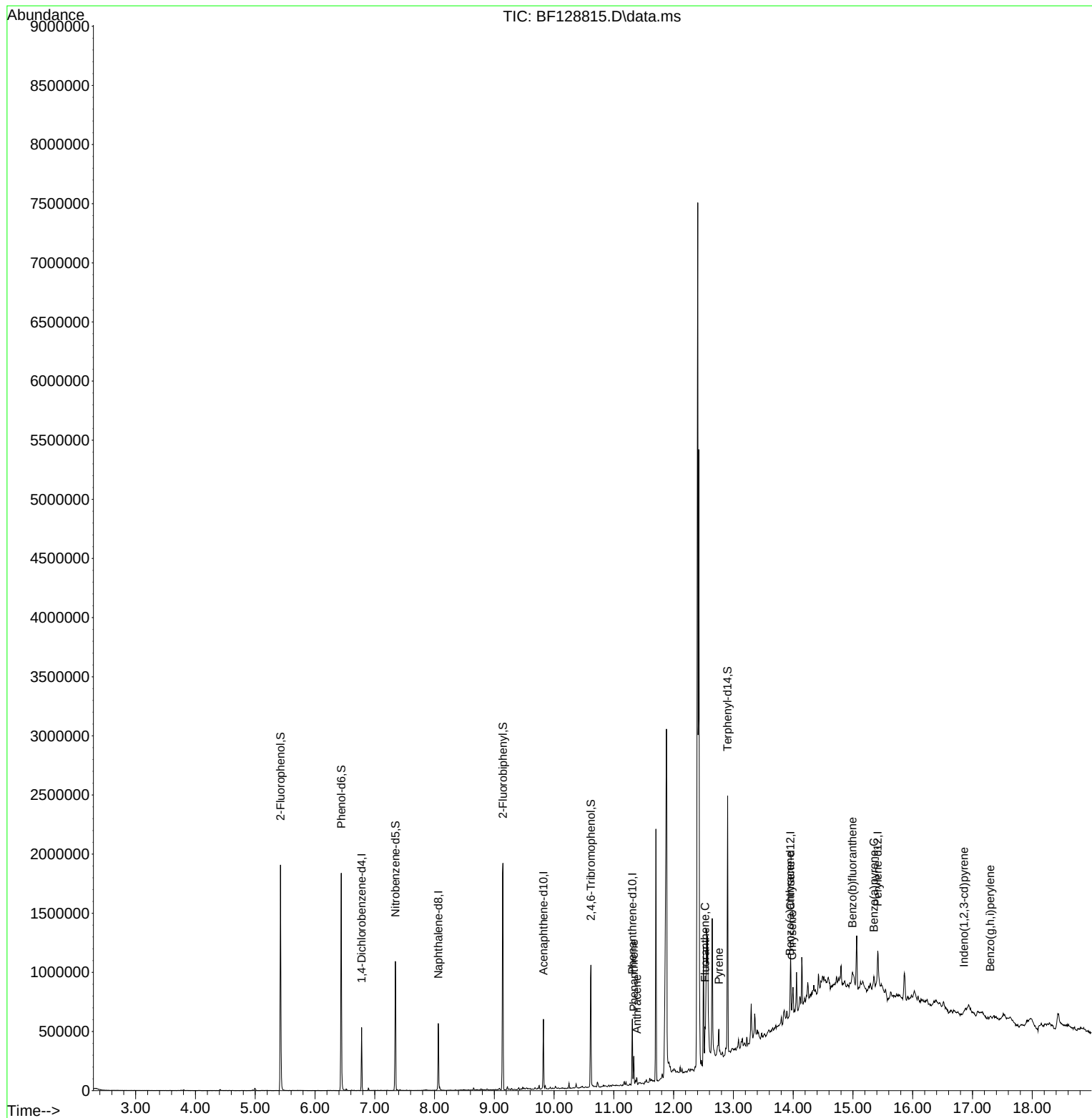
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
Data File : BF128815.D
Acq On : 14 Jun 2022 22:43
Operator : CG\JU
Sample : N3328-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

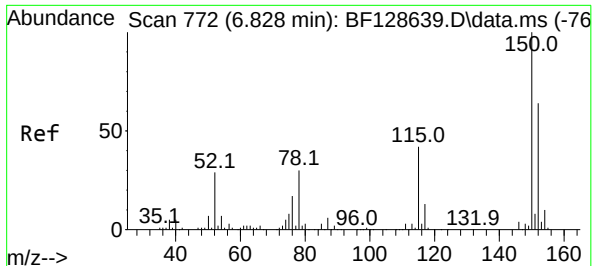
Instrument :
BNA_F
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BU-02-061022

Quant Time: Jun 15 01:03:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

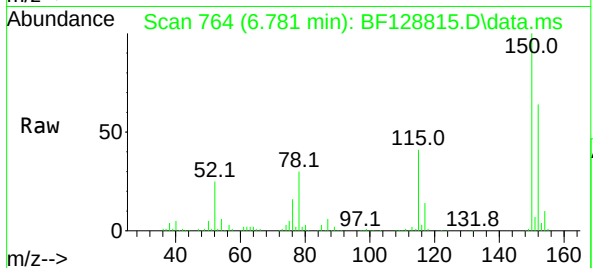
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

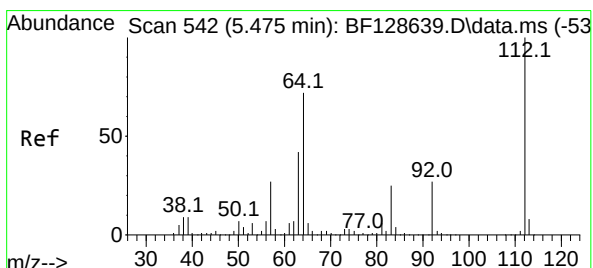
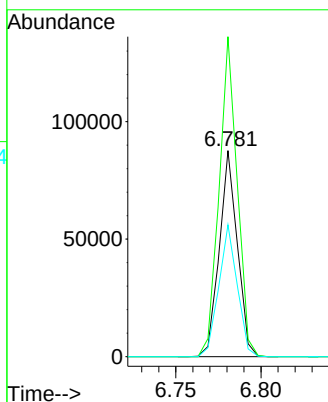
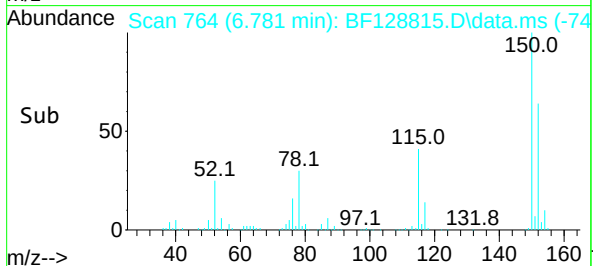
Instrument :
BNA_F
ClientSampleId :
BU-02-061022



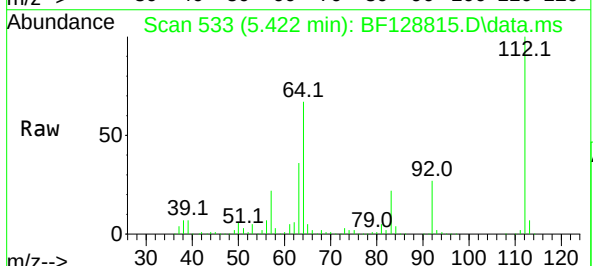
Tgt Ion:152 Resp: 64539
Ion Ratio Lower Upper
152 100
150 155.2 123.7 185.5
115 63.9 49.9 74.9

Manual Integrations
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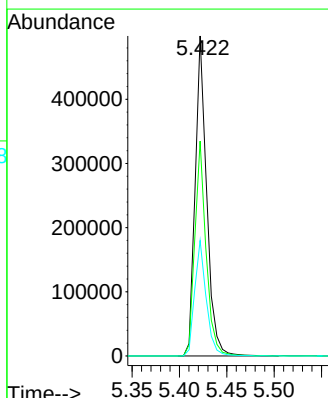
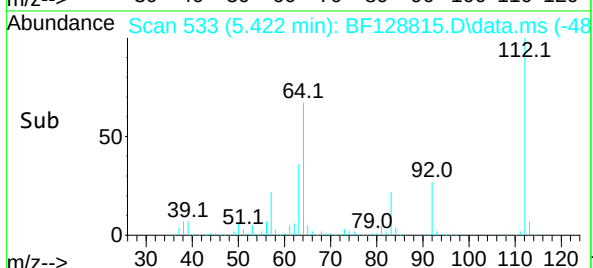
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

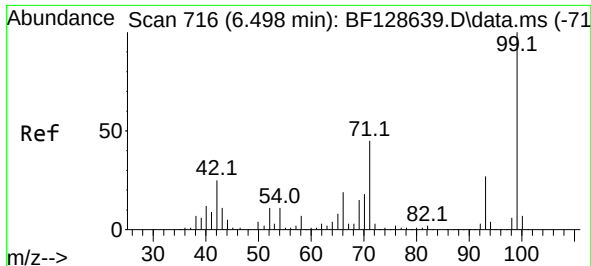


#5
2-Fluorophenol
Concen: 104.490 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



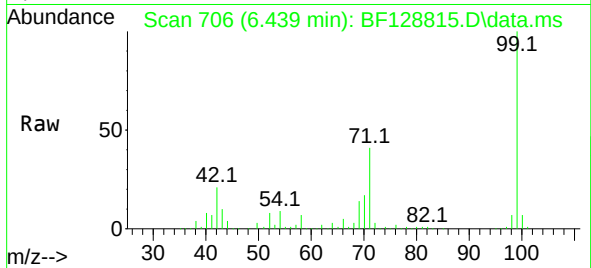
Tgt Ion:112 Resp: 423376
Ion Ratio Lower Upper
112 100
64 67.1 53.3 79.9
63 36.1 28.0 42.0





#7
Phenol-d6
Concen: 102.742 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

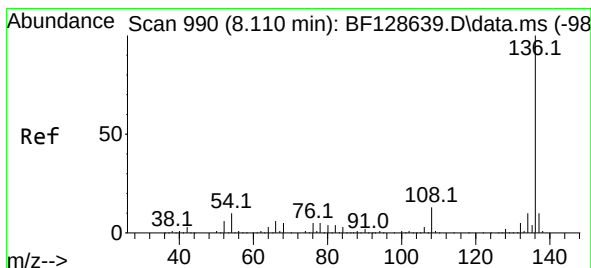
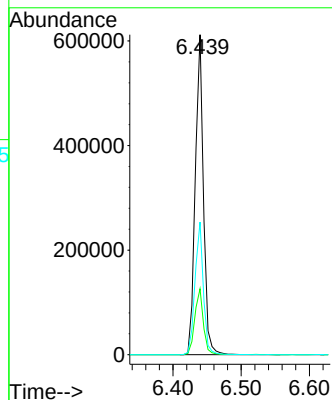
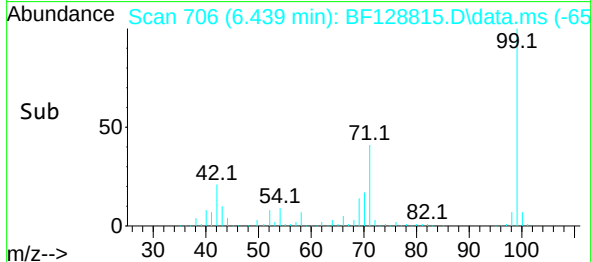
Instrument :
BNA_F
ClientSampleId :
BU-02-061022



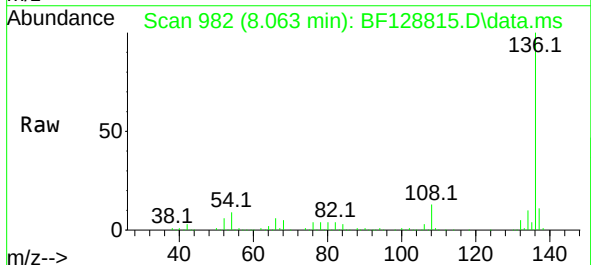
Tgt Ion: 99 Resp: 508160
Ion Ratio Lower Upper
99 100
42 20.6 17.3 25.9
71 41.5 28.9 43.3

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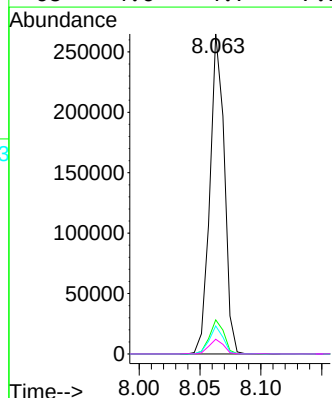
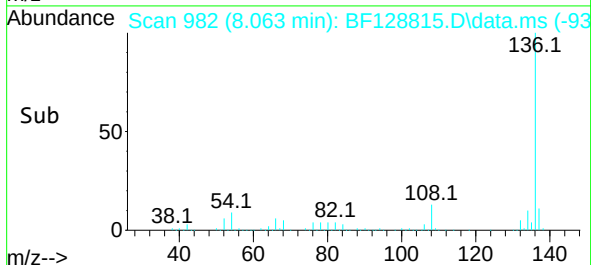
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

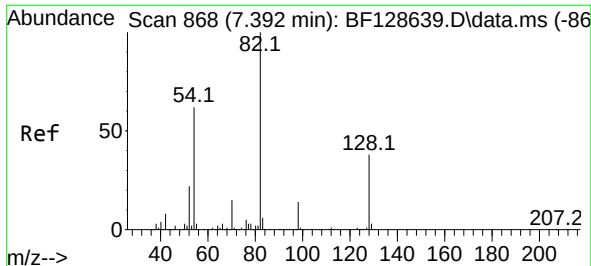


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



Tgt Ion:136 Resp: 219140
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.7 7.5 11.3
68 4.6 4.7 7.1#





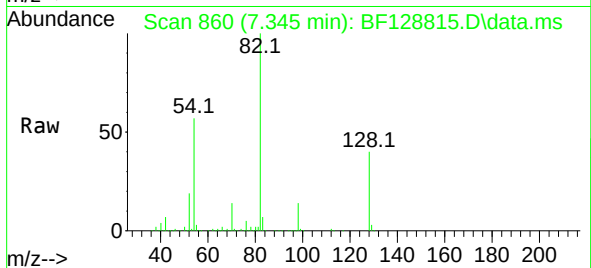
#23
Nitrobenzene-d5
Concen: 71.003 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

Instrument :

BNA_F

ClientSampleId :

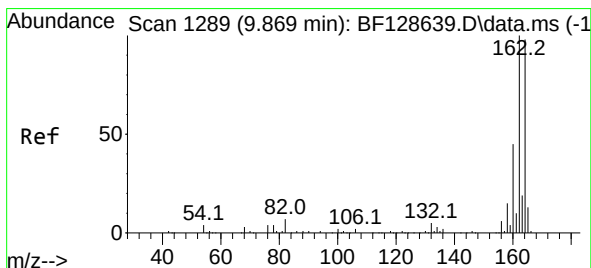
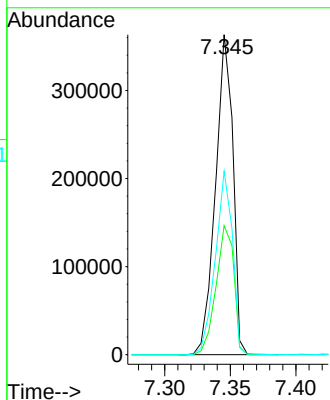
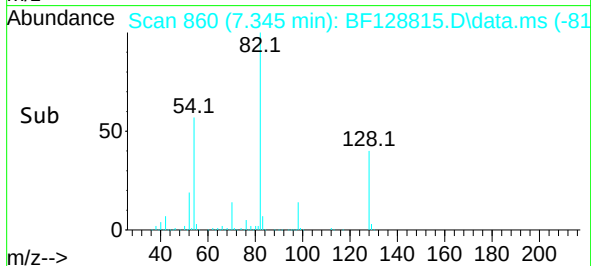
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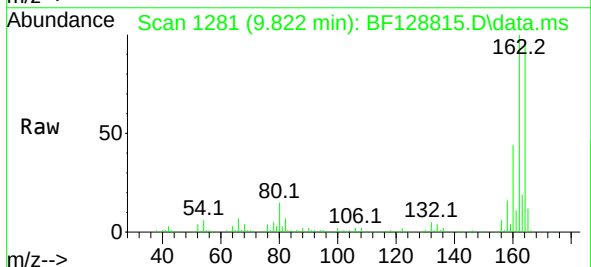
Tgt Ion: 82 Resp: 33419
Ion Ratio Lower Upper
82 100
128 40.3 34.0 51.0
54 57.4 46.9 70.3

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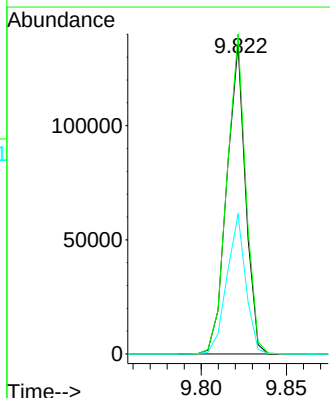
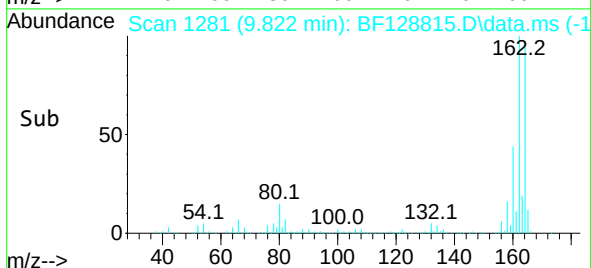
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

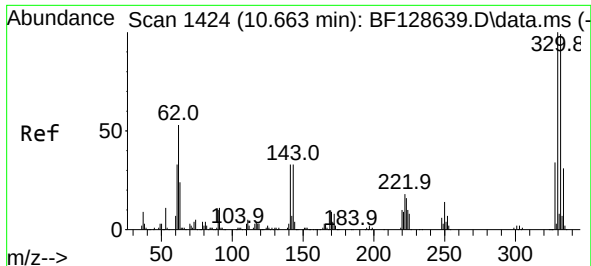


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



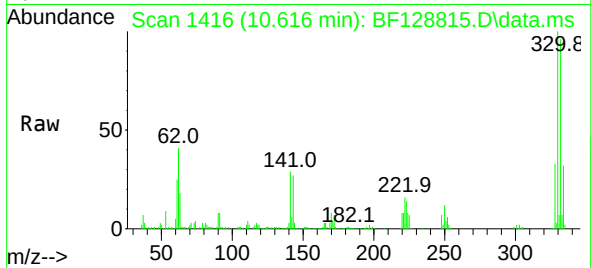
Tgt Ion:164 Resp: 104283
Ion Ratio Lower Upper
164 100
162 103.4 79.5 119.3
160 45.1 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 101.860 ng
RT: 10.616 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

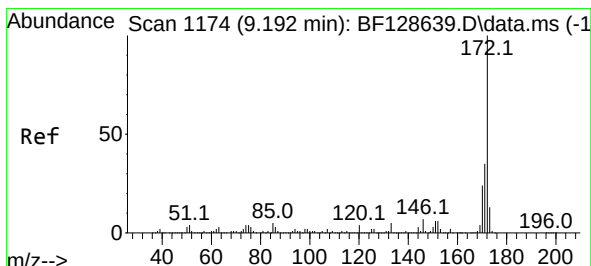
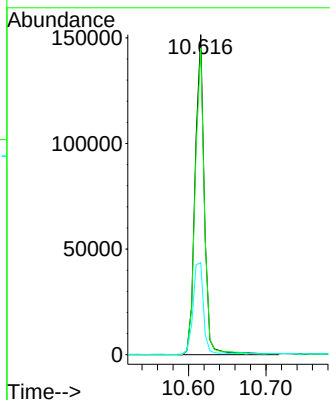
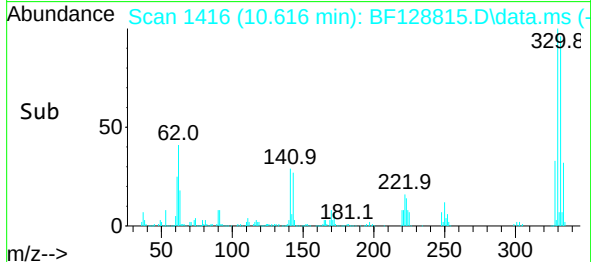
Instrument :
BNA_F
ClientSampleId :
BU-02-061022



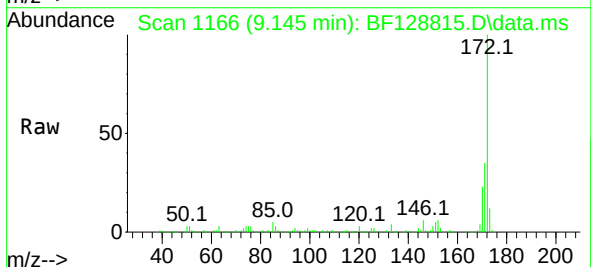
Tgt Ion:330 Resp: 125507
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 33.5 28.0 42.0

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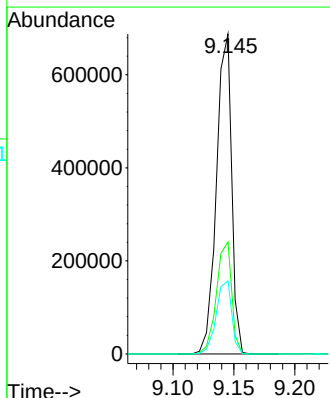
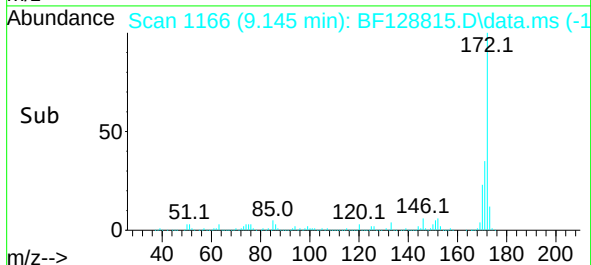
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

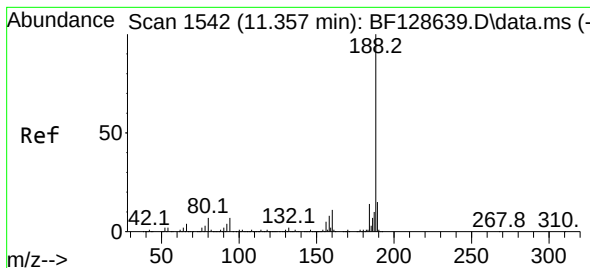


#45
2-Fluorobiphenyl
Concen: 80.441 ng
RT: 9.145 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



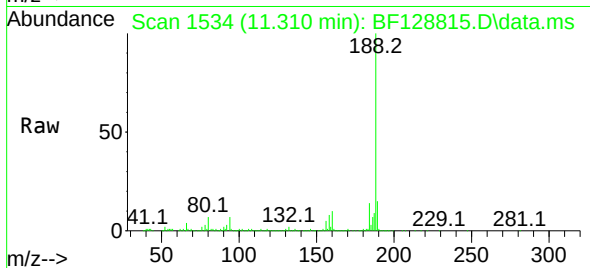
Tgt Ion:172 Resp: 598844
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 22.9 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

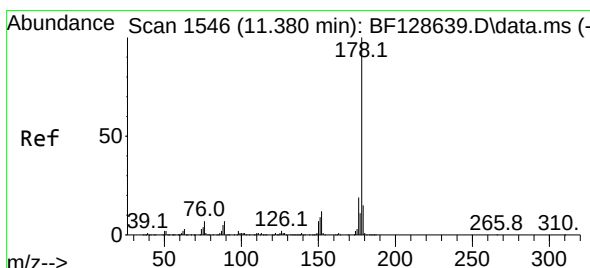
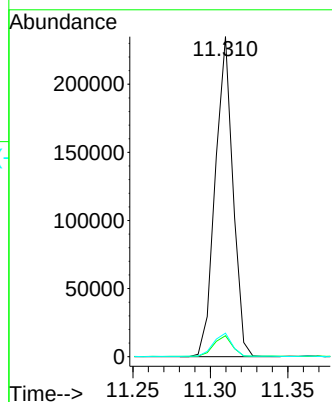
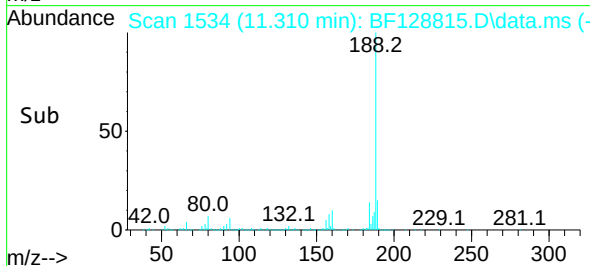
Instrument :
BNA_F
ClientSampleId :
BU-02-061022



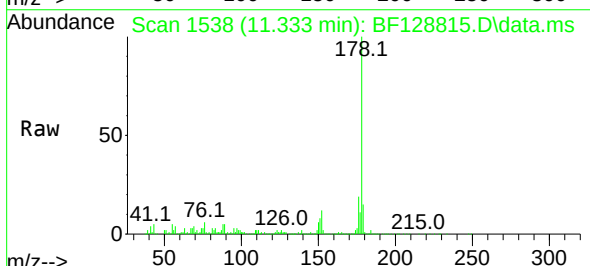
Tgt Ion:188 Resp: 186119
Ion Ratio Lower Upper
188 100
94 6.6 7.0 10.6
80 7.4 7.6 11.4

Manual Integrations
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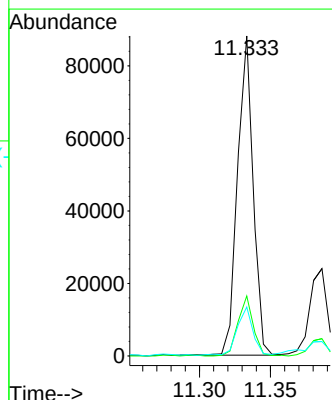
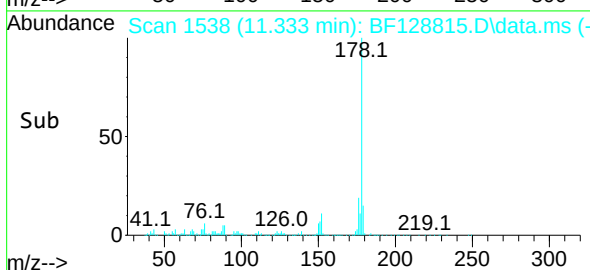
Reviewed By :Christian Giraldo 06/15/2022
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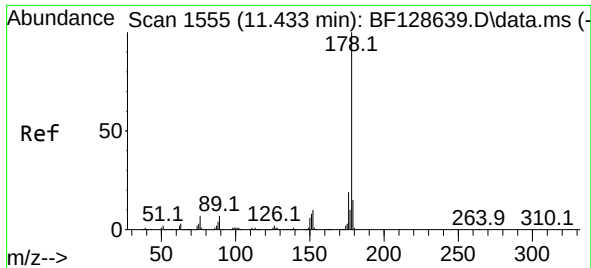


#71
Phenanthrene
Concen: 7.227 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



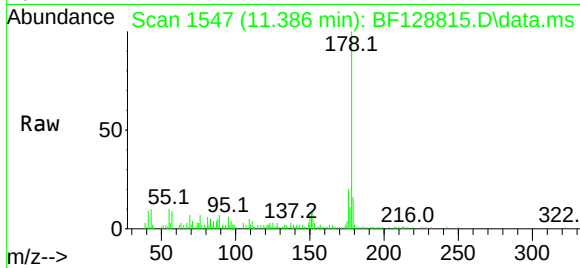
Tgt Ion:178 Resp: 67463
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.3 12.6 19.0





#72
 Anthracene
 Concen: 2.193 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128815.D
 Acq: 14 Jun 2022 22:43

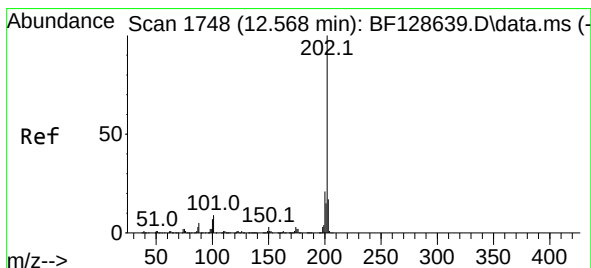
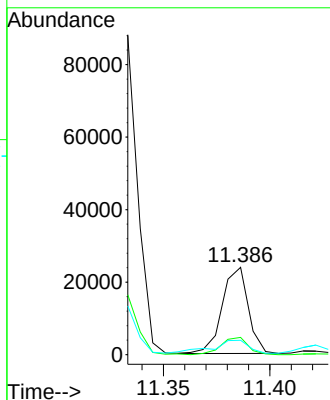
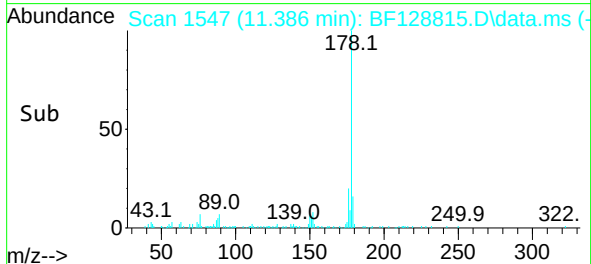
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-061022



Tgt Ion:178 Resp: 20260
 Ion Ratio Lower Upper
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 176 19.7 15.4 23.2
 179 16.4 12.6 19.0

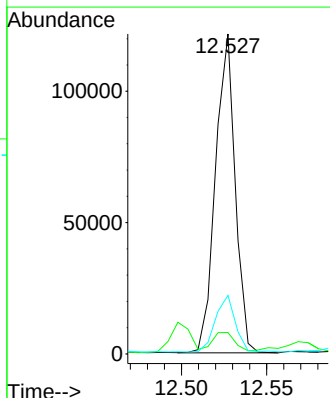
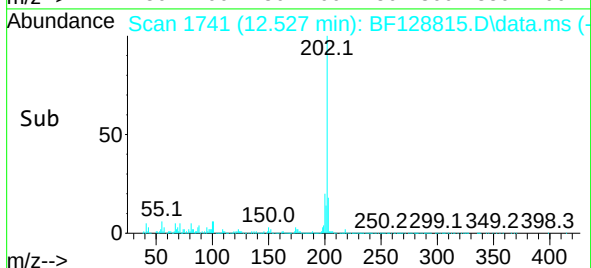
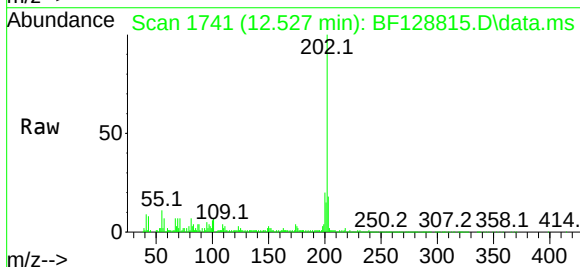
Manual Integrations
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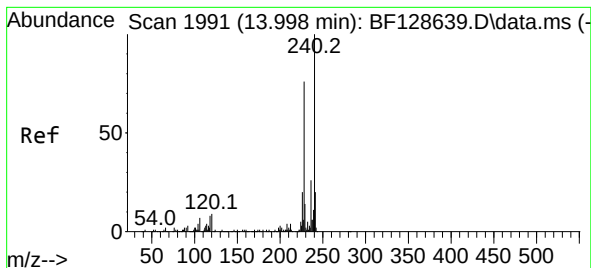
Reviewed By :Christian Giraldo 06/15/2022
 Supervised By :Jagrut Upadhyay 06/15/2022



#75
 Fluoranthene
 Concen: 10.002 ng
 RT: 12.527 min Scan# 1741
 Delta R.T. -0.000 min
 Lab File: BF128815.D
 Acq: 14 Jun 2022 22:43

Tgt Ion:202 Resp: 97604
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 31.4
 203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF128815.D

Acq: 14 Jun 2022 22:43

Instrument :

BNA_F

ClientSampleId :

BU-02-061022

Tgt Ion:240 Resp: 15332

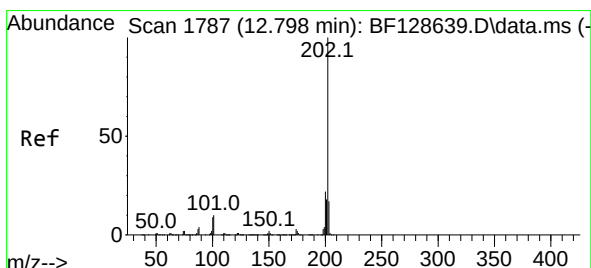
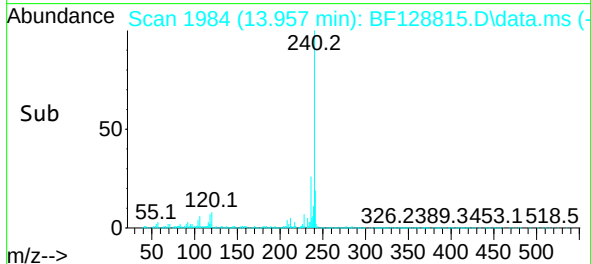
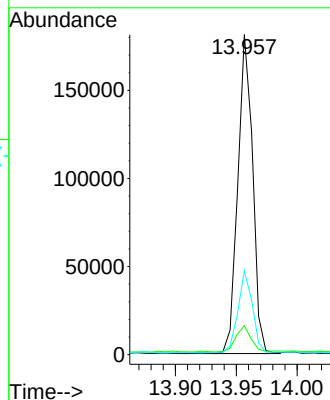
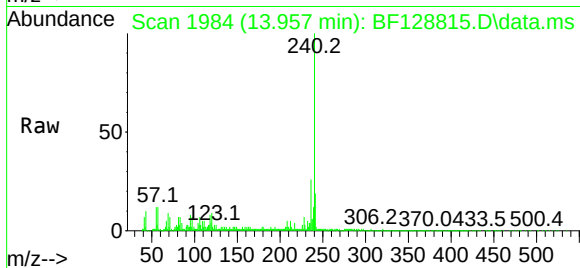
Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.9	13.3
236	26.2	20.8	31.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/15/2022



#78

Pyrene

Concen: 8.240 ng

RT: 12.757 min Scan# 1780

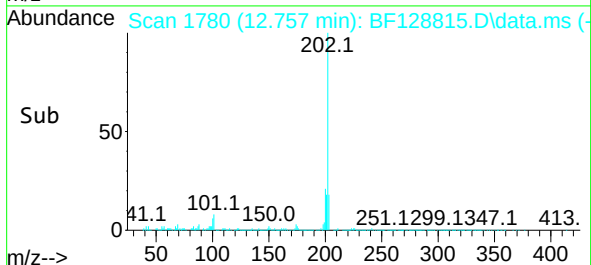
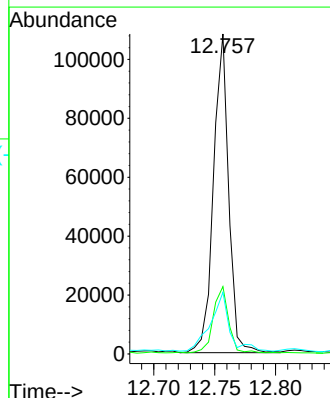
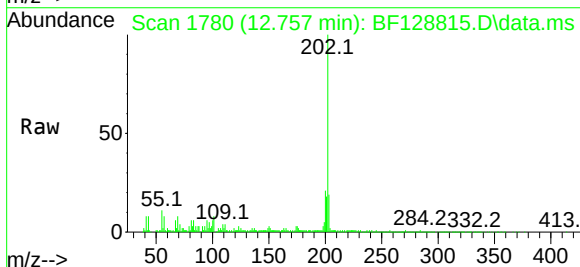
Delta R.T. -0.000 min

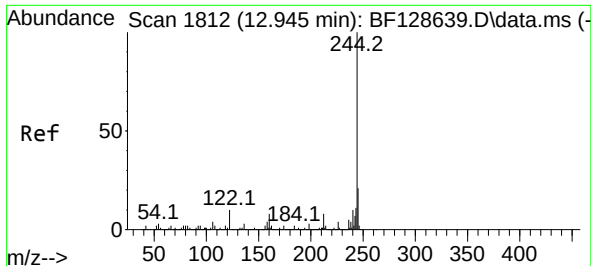
Lab File: BF128815.D

Acq: 14 Jun 2022 22:43

Tgt Ion:202 Resp: 93994

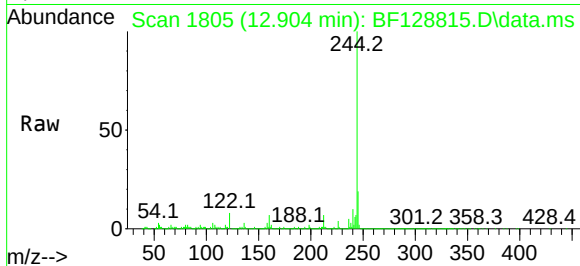
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	19.3	14.6	21.8





#79
 Terphenyl-d14
 Concen: 74.706 ng
 RT: 12.904 min Scan# 1805
 Delta R.T. -0.000 min
 Lab File: BF128815.D
 Acq: 14 Jun 2022 22:43

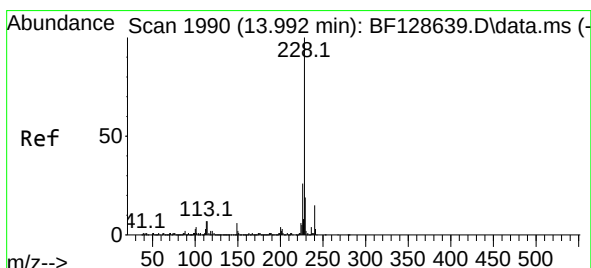
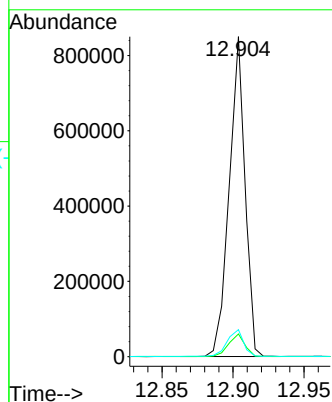
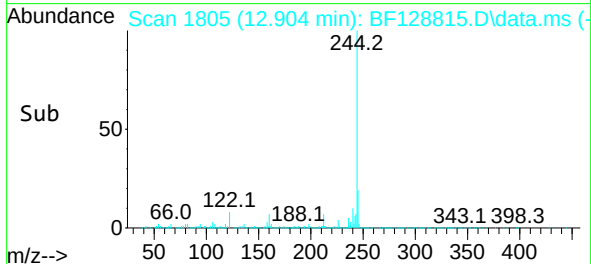
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-061022



Tgt Ion:244 Resp: 659197
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 8.4 8.8 13.2

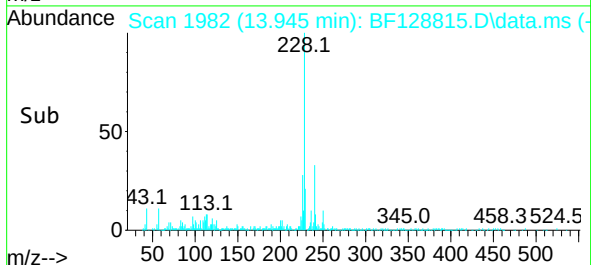
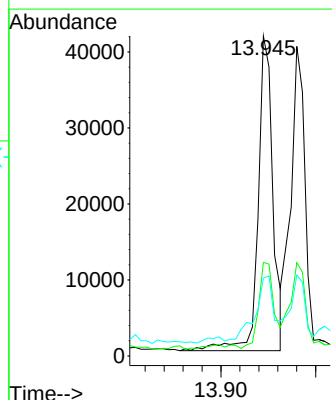
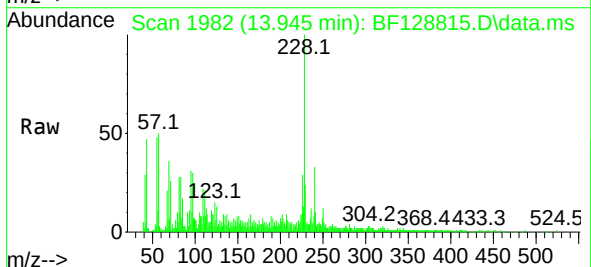
Manual Integrations
 APPROVED

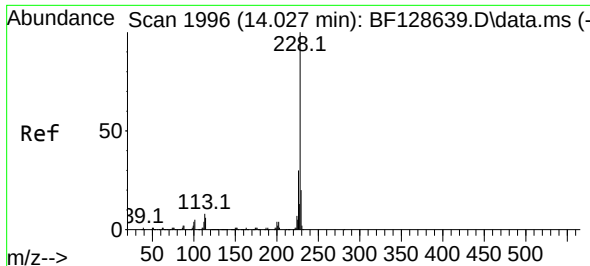
Reviewed By :Christian Giraldo 06/15/2022
 Supervised By :Jagrut Upadhyay 06/15/2022



#81
 Benzo(a)anthracene
 Concen: 4.720 ng
 RT: 13.945 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: BF128815.D
 Acq: 14 Jun 2022 22:43

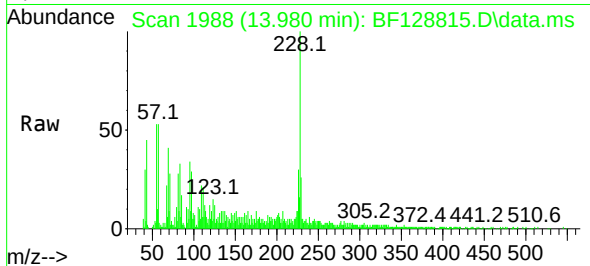
Tgt Ion:228 Resp: 45112
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.1 33.1
 229 24.3 15.8 23.8





#83
Chrysene
Concen: 4.650 ng
RT: 13.980 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

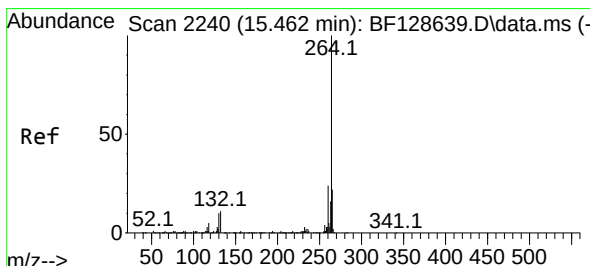
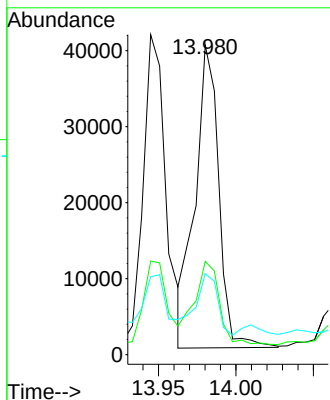
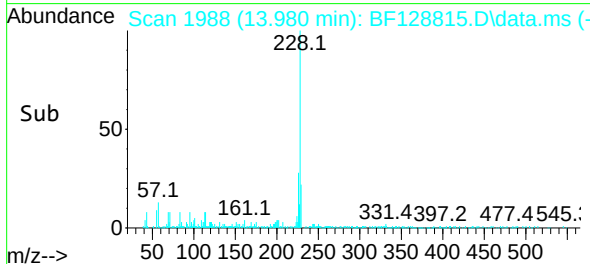
Instrument :
BNA_F
ClientSampleId :
BU-02-061022



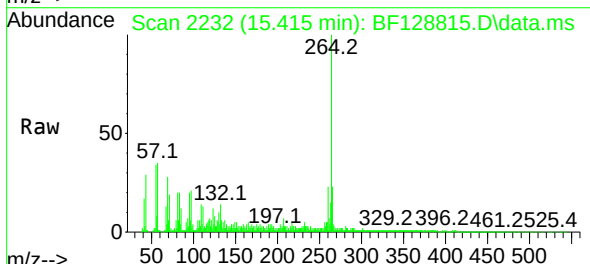
Tgt Ion:228 Resp: 42370
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 26.1 15.9 23.9

Manual Integrations
APPROVED

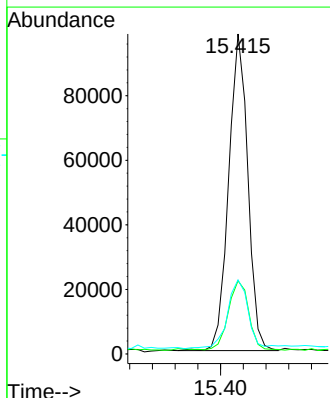
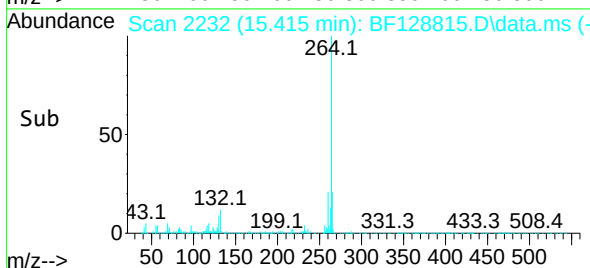
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

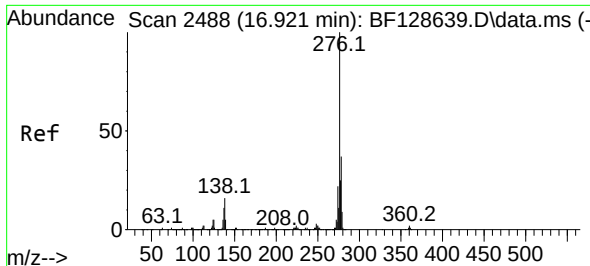


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



Tgt Ion:264 Resp: 114537
Ion Ratio Lower Upper
264 100
260 22.9 18.4 27.6
265 23.2 17.2 25.8





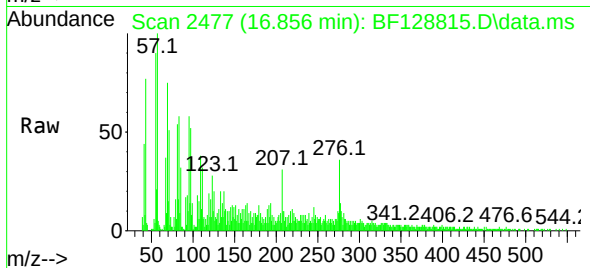
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.051 ng
RT: 16.856 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43

Instrument :

BNA_F

ClientSampleId :

BU-02-061022



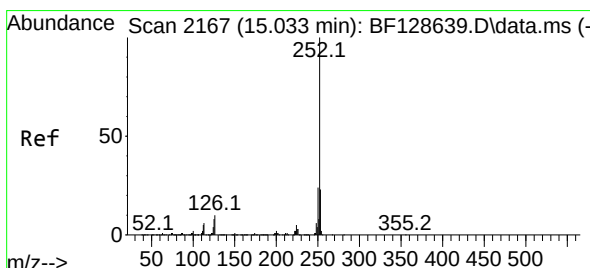
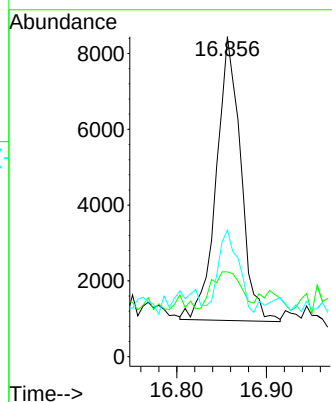
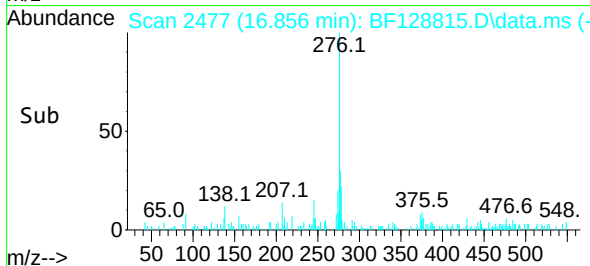
Tgt Ion:276 Resp: 14158
Ion Ratio Lower Upper
276 100
138 18.7 21.1 31.7
277 23.5 20.3 30.5

Manual Integrations

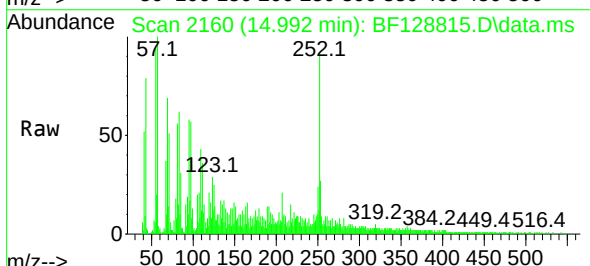
APPROVED

Reviewed By :Christian Giraldo 06/15/2022

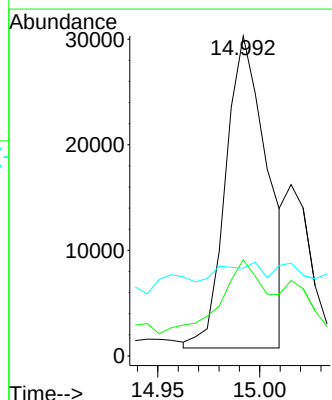
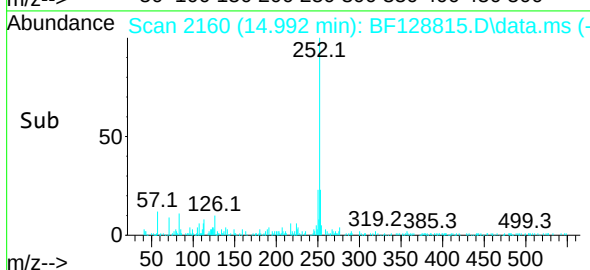
Supervised By :Jagrut Upadhyay 06/15/2022

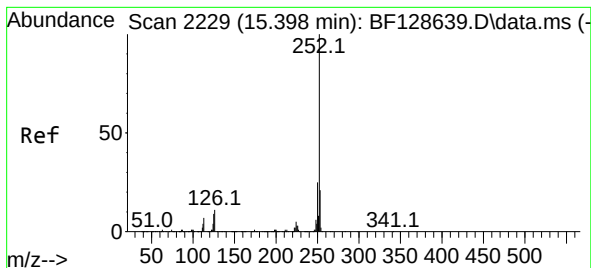


#88
Benzo(b)fluoranthene
Concen: 5.718 ng m
RT: 14.992 min Scan# 2160
Delta R.T. -0.000 min
Lab File: BF128815.D
Acq: 14 Jun 2022 22:43



Tgt Ion:252 Resp: 41847
Ion Ratio Lower Upper
252 100
253 30.0 17.7 26.5#
125 27.4 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 4.905 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128815.D

Acq: 14 Jun 2022 22:43

Instrument :

BNA_F

ClientSampleId :

BU-02-061022

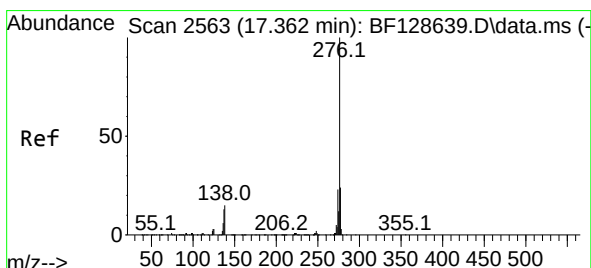
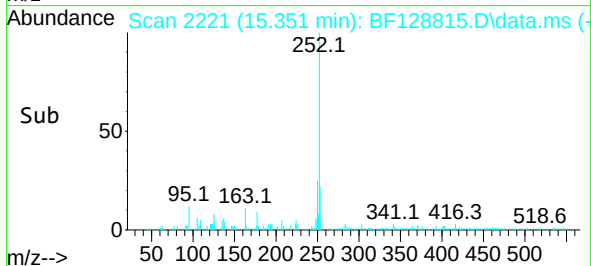
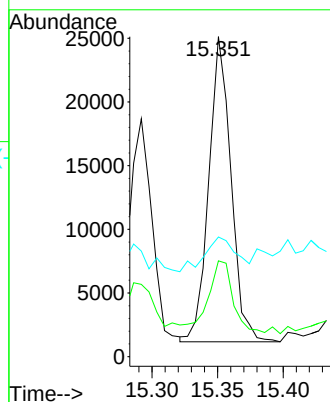
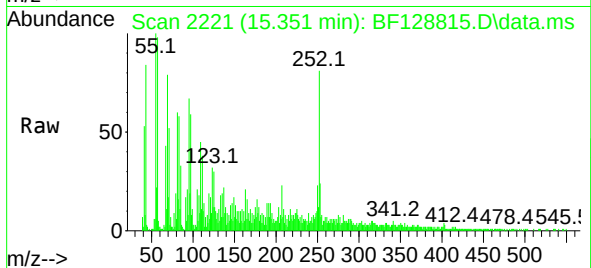
Tgt Ion:	252	Resp:	2821
Ion Ratio	Lower	Upper	
252	100		
253	29.9	17.0	25.6
125	37.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/15/2022

Supervised By :Jagrut Upadhyay 06/15/2022



#92

Benzo(g,h,i)perylene

Concen: 2.811 ng

RT: 17.298 min Scan# 2552

Delta R.T. -0.000 min

Lab File: BF128815.D

Acq: 14 Jun 2022 22:43

Tgt Ion:	276	Resp:	15951
Ion Ratio	Lower	Upper	
276	100		
277	36.3	19.1	28.7
138	28.6	18.0	27.0

