

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128923.D
 Acq On : 22 Jun 2022 03:42
 Operator : CG\JU
 Sample : N3412-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-7-062022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/22/2022
 Supervised By : Jagrut Upadhyay 06/22/2022

Quant Time: Jun 22 04:03:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	90449	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	302024	20.000	ng	# 0.00
39) Acenaphthene-d10	9.792	164	144608	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	253498	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	152528	20.000	ng	0.00
86) Perylene-d12	15.374	264	124986	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	411258	72.424	ng	0.00
7) Phenol-d6	6.416	99	511050	73.728	ng	0.00
23) Nitrobenzene-d5	7.322	82	339220	52.293	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	106948	62.593	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	580620	56.244	ng	0.00
79) Terphenyl-d14	12.880	244	544252	62.003	ng	0.01
Target Compounds						Qvalue
58) Fluorene	10.339	166	18762	2.039	ng	93
71) Phenanthrene	11.304	178	143881	11.316	ng	98
72) Anthracene	11.357	178	32884	2.613	ng	98
75) Fluoranthene	12.504	202	236641	17.805	ng	95
78) Pyrene	12.733	202	216604	19.087	ng	98
81) Benzo(a)anthracene	13.921	228	90409	9.509	ng	93
83) Chrysene	13.957	228	98954	10.917	ng	98
87) Indeno(1,2,3-cd)pyrene	16.804	276	41485m	5.507	ng	
88) Benzo(b)fluoranthene	14.963	252	106735m	13.365	ng	
89) Benzo(k)fluoranthene	14.980	252	37963m	5.053	ng	
90) Benzo(a)pyrene	15.315	252	70193	11.182	ng	# 91
92) Benzo(g,h,i)perylene	17.239	276	40832	6.593	ng	# 94

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

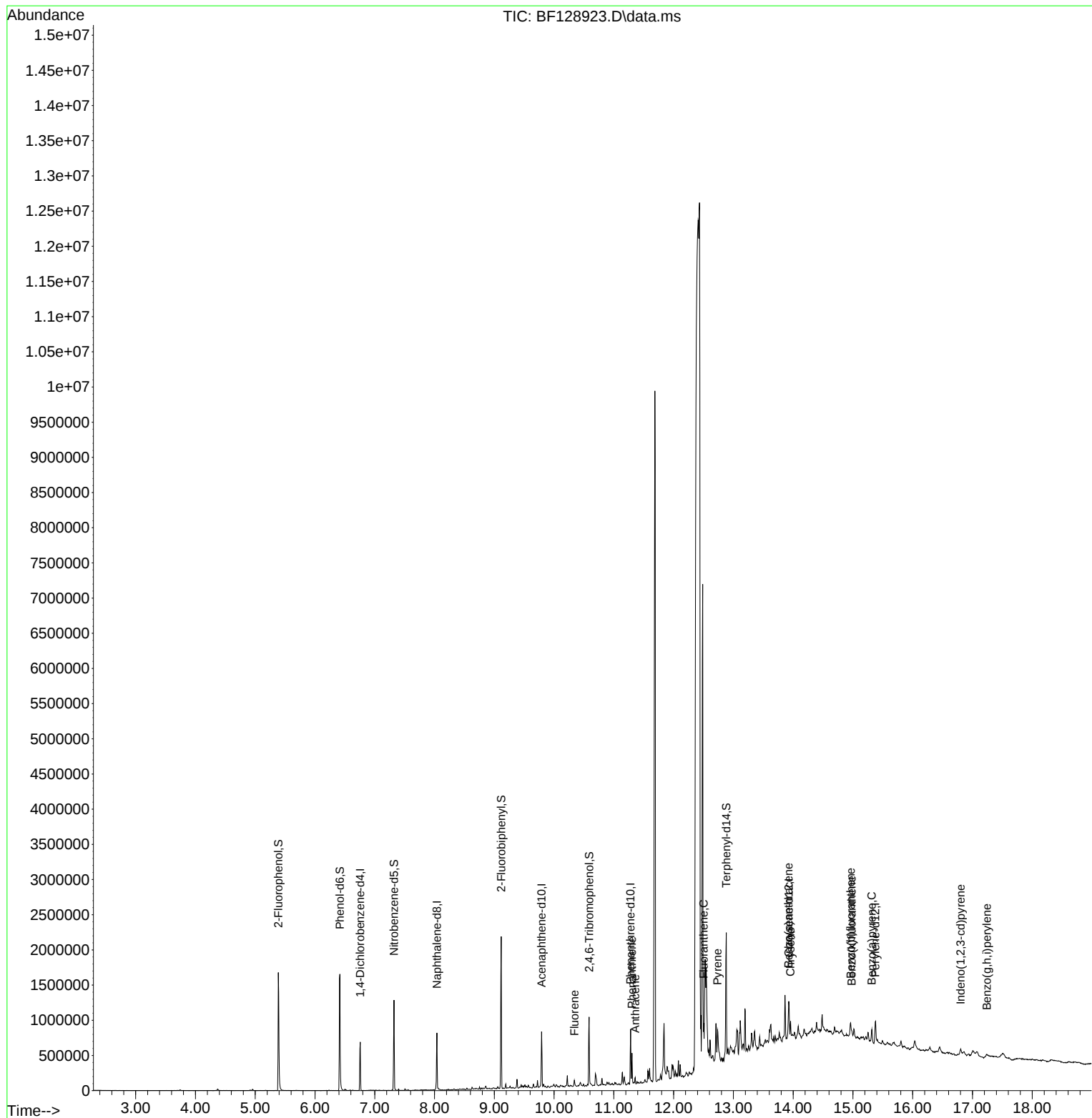
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
Data File : BF128923.D
Acq On : 22 Jun 2022 03:42
Operator : CG\JU
Sample : N3412-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

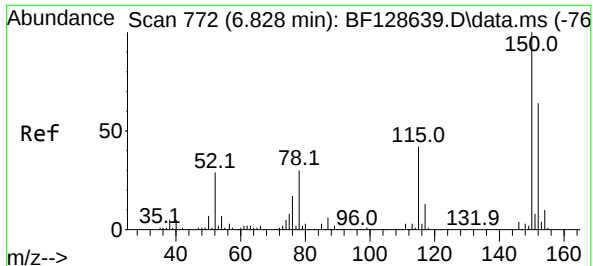
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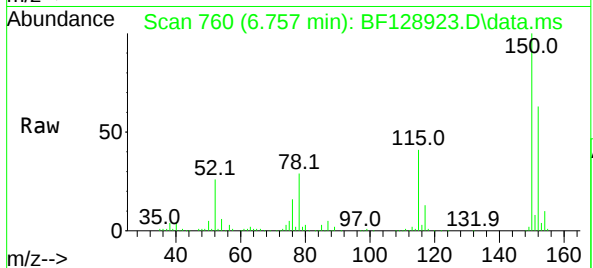
Reviewed By : Christian Giraldo 06/22/2022
Supervised By : Jagrut Upadhyay 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

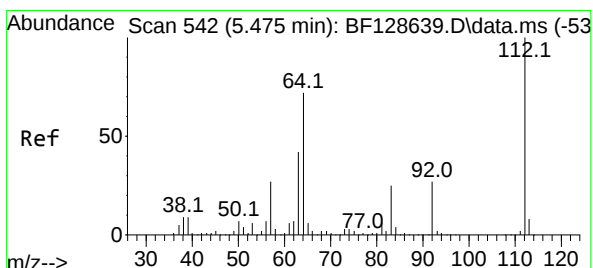
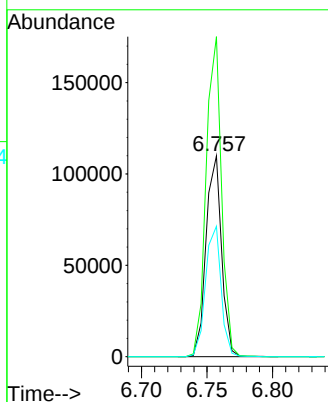
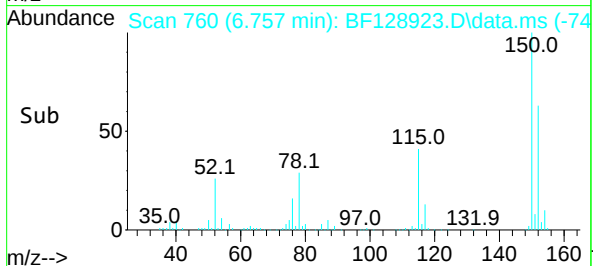
Instrument :
BNA_F
ClientSampleId :
NB-7-062022



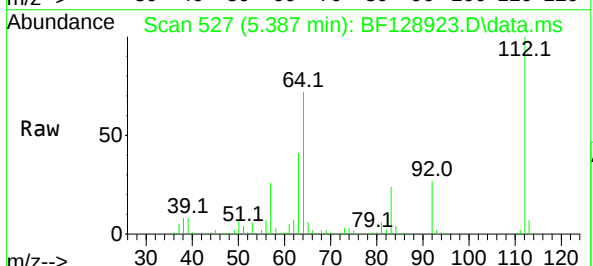
Tgt Ion:152 Resp: 90449
Ion Ratio Lower Upper
152 100
150 159.4 123.7 185.5
115 65.0 49.9 74.9

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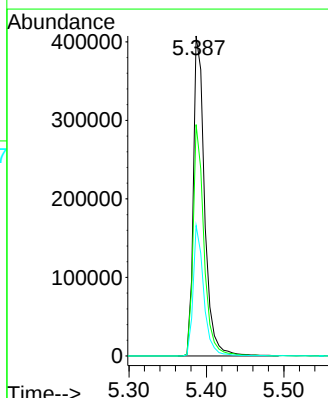
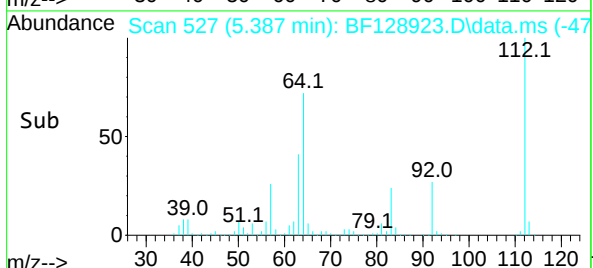
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

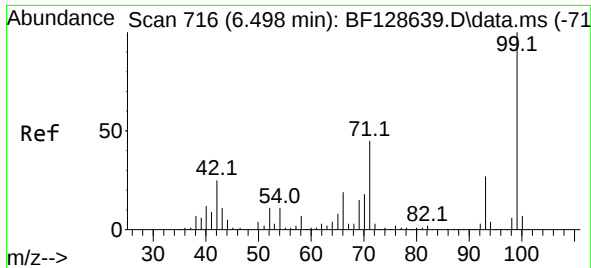


#5
2-Fluorophenol
Concen: 72.424 ng
RT: 5.387 min Scan# 527
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42



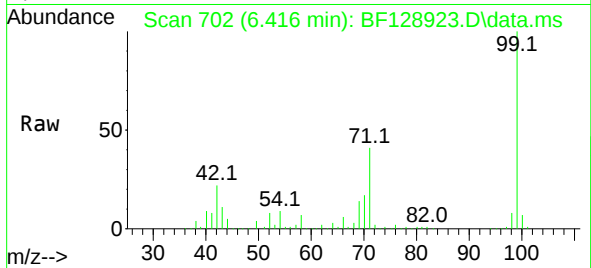
Tgt Ion:112 Resp: 411258
Ion Ratio Lower Upper
112 100
64 72.3 53.3 79.9
63 40.8 28.0 42.0





#7
Phenol-d6
Concen: 73.728 ng
RT: 6.416 min Scan# 702
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

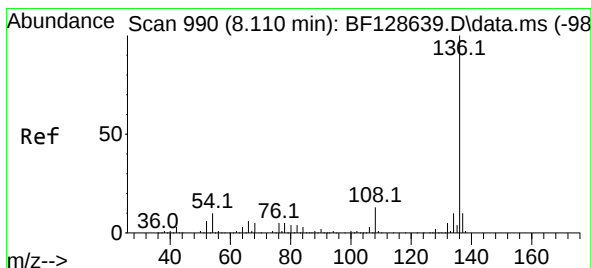
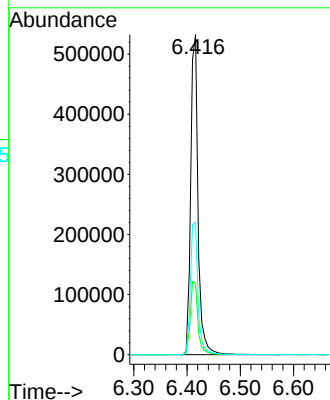
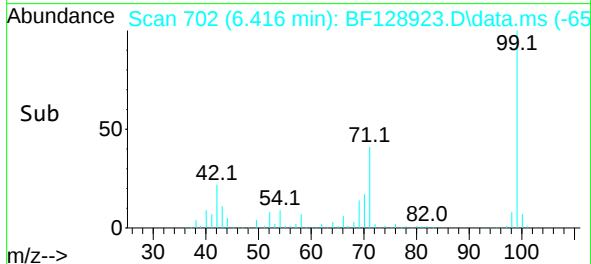
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BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 511050
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 41.5 28.9 43.3

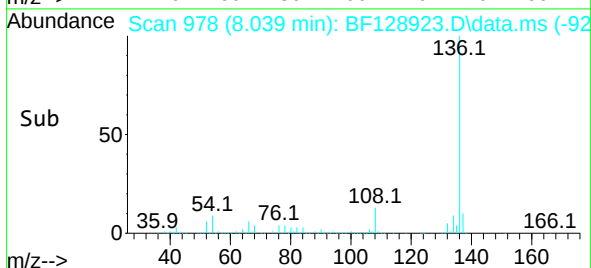
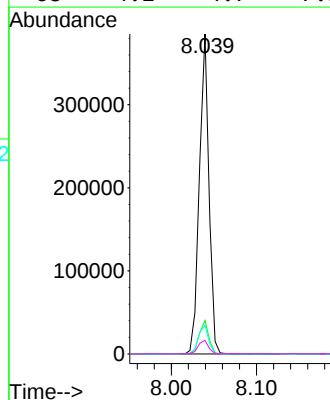
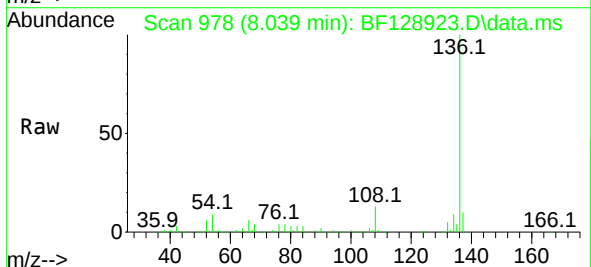
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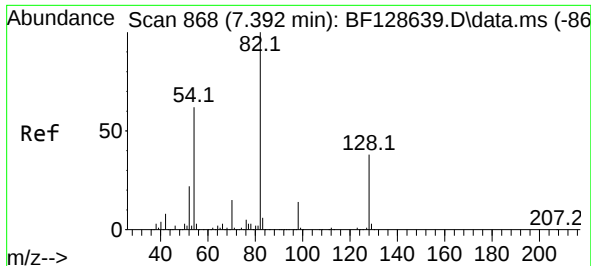
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

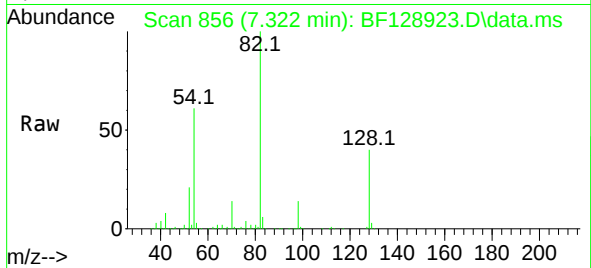
Tgt Ion:136 Resp: 302024
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.9 7.5 11.3
68 4.2 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 52.293 ng
RT: 7.322 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

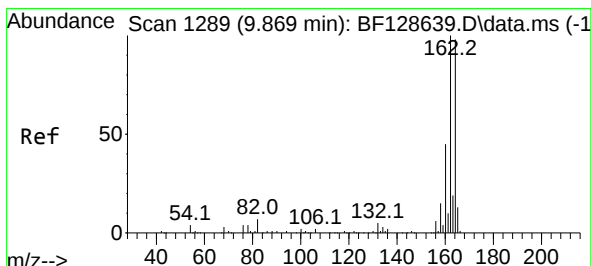
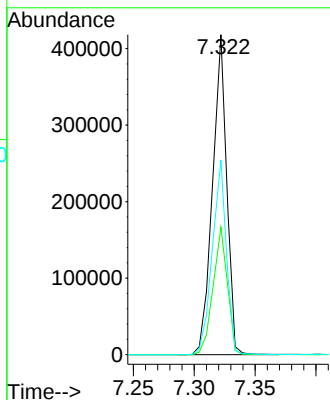
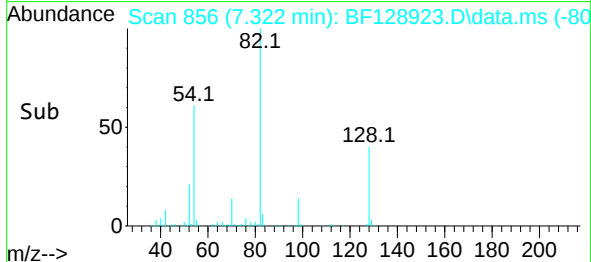
Instrument :
BNA_F
ClientSampleId :
NB-7-062022



Tgt Ion: 82 Resp: 339220
Ion Ratio Lower Upper
82 100
128 39.8 34.0 51.0
54 60.9 46.9 70.3

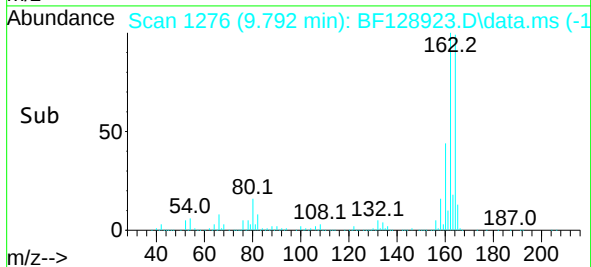
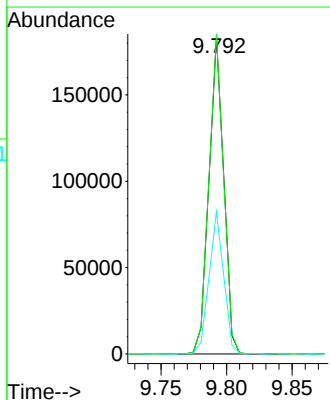
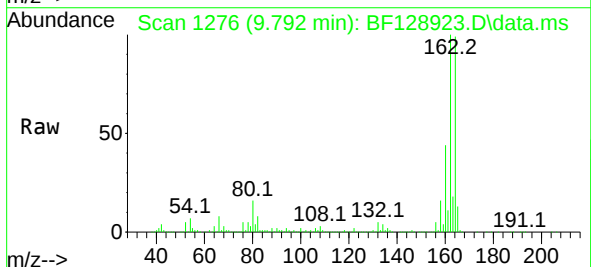
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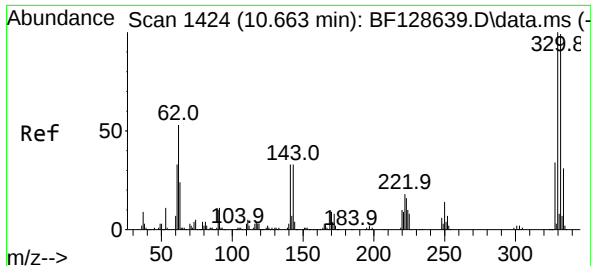
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

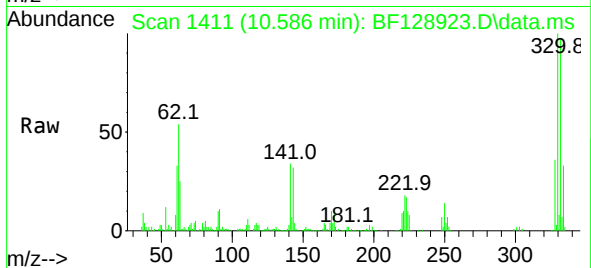
Tgt Ion:164 Resp: 144608
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 44.8 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 62.593 ng
RT: 10.586 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

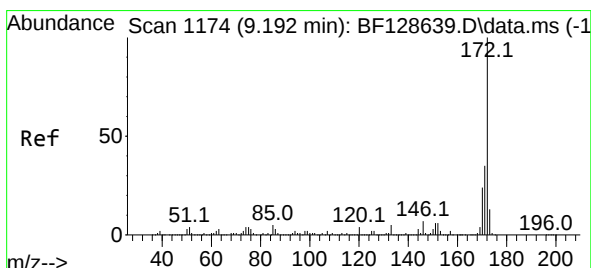
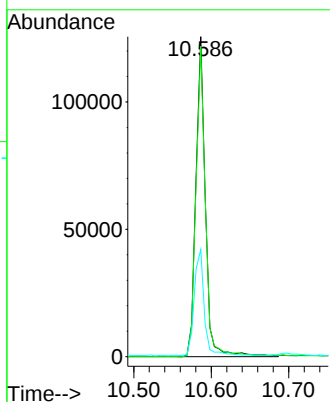
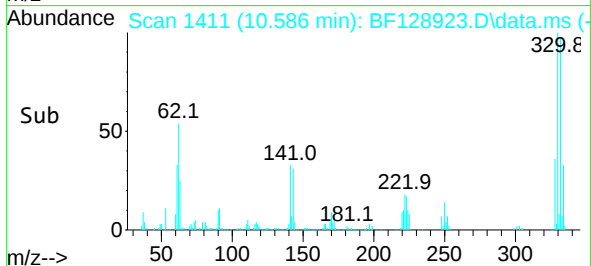
Instrument :
BNA_F
ClientSampleId :
NB-7-062022



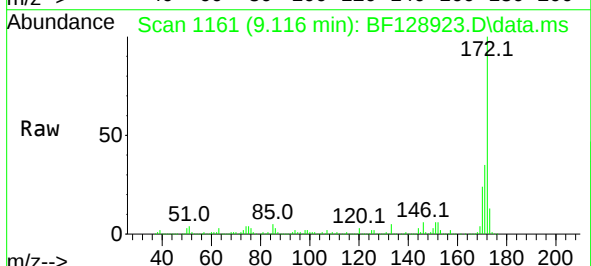
Tgt Ion:330 Resp: 106948
Ion Ratio Lower Upper
330 100
332 98.2 76.8 115.2
141 34.7 28.0 42.0

Manual Integrations
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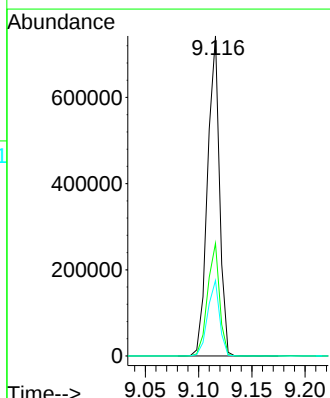
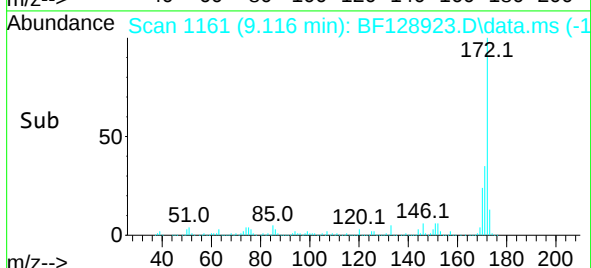
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

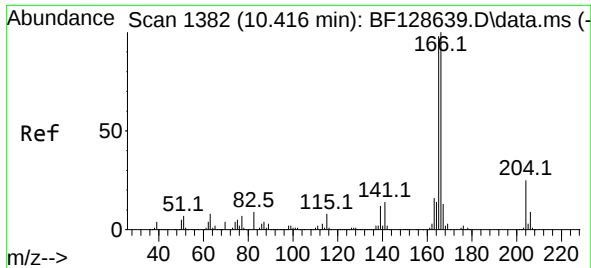


#45
2-Fluorobiphenyl
Concen: 56.244 ng
RT: 9.116 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42



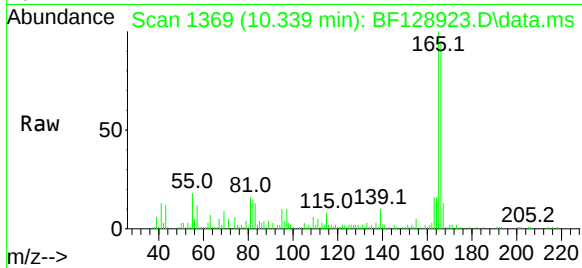
Tgt Ion:172 Resp: 580620
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.8 29.8





#58
Fluorene
Concen: 2.039 ng
RT: 10.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

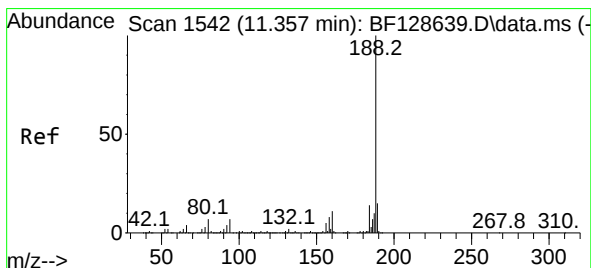
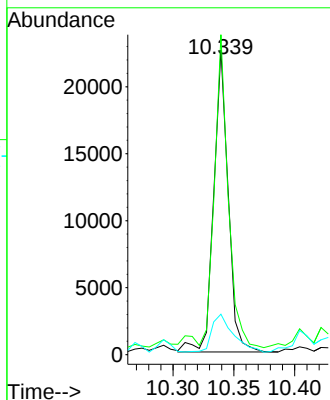
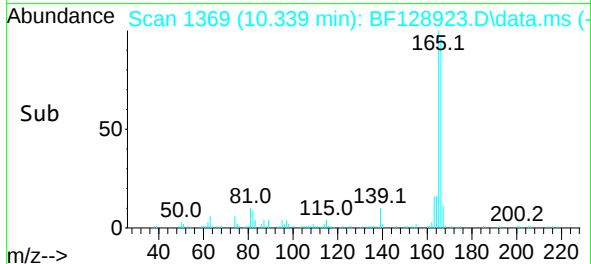
Instrument :
BNA_F
ClientSampleId :
NB-7-062022



Tgt Ion:166 Resp: 18762
Ion Ratio Lower Upper
166 100
165 105.1 78.1 117.1
167 13.3 10.5 15.7

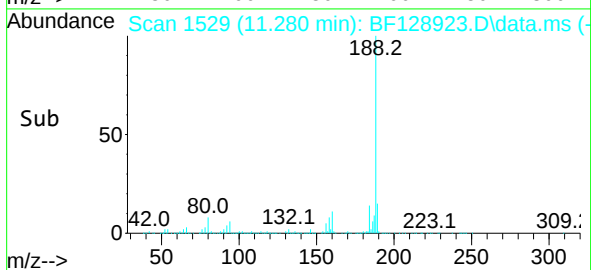
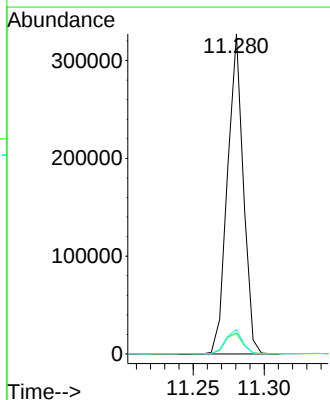
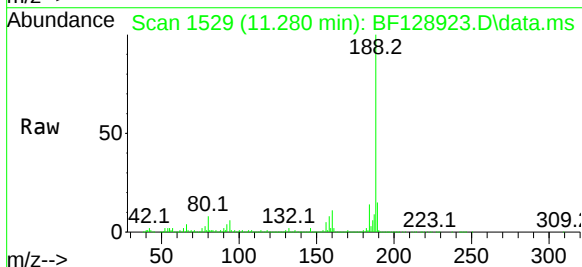
Manual Integrations
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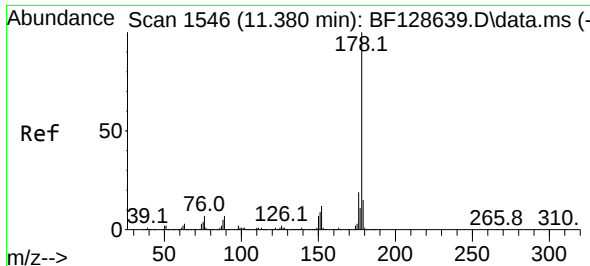
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

Tgt Ion:188 Resp: 253498
Ion Ratio Lower Upper
188 100
94 6.5 7.0 10.6#
80 7.6 7.6 11.4





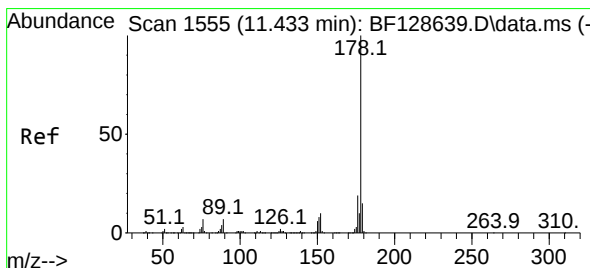
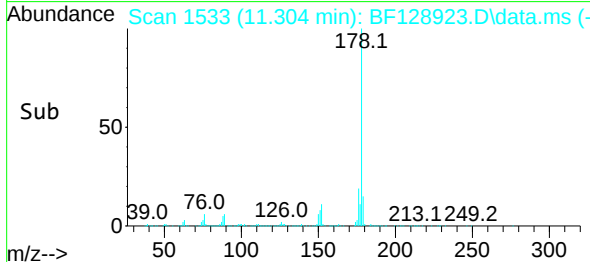
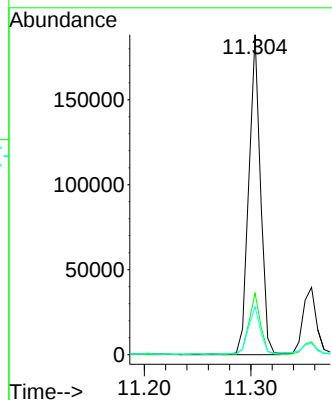
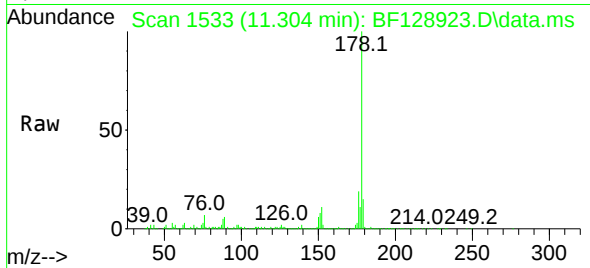
#71
Phenanthrene
Concen: 11.316 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

Instrument :
BNA_F
ClientSampleId :
NB-7-062022

Tgt Ion:178 Resp: 14388
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.0 12.6 19.0

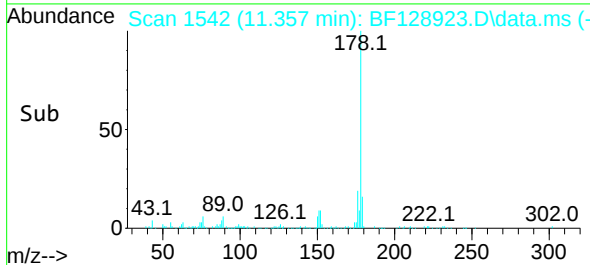
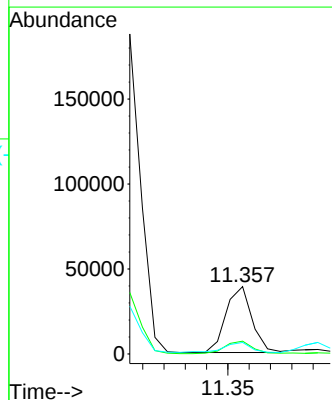
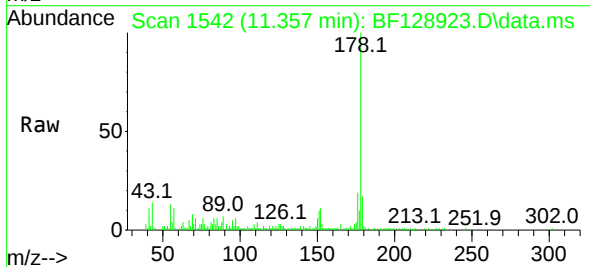
Manual Integrations
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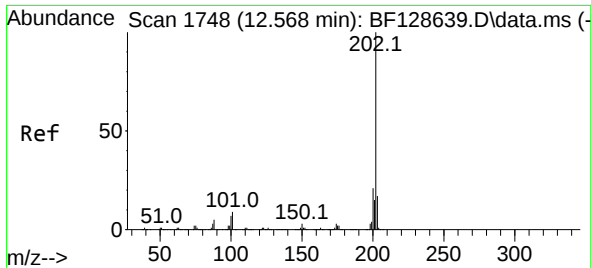
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#72
Anthracene
Concen: 2.613 ng
RT: 11.357 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

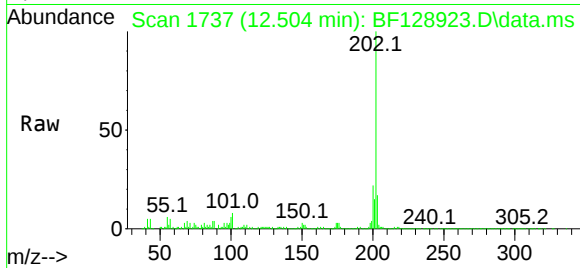
Tgt Ion:178 Resp: 32884
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 17.1 12.6 19.0





#75
Fluoranthene
Concen: 17.805 ng
RT: 12.504 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

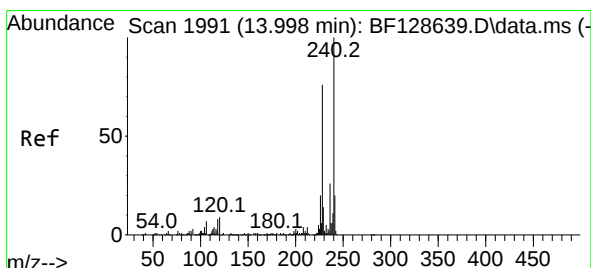
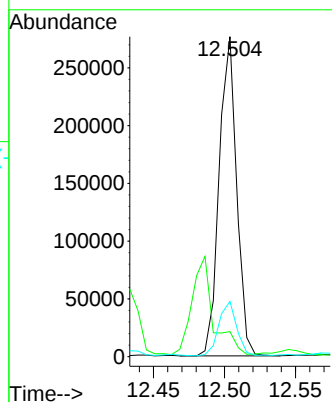
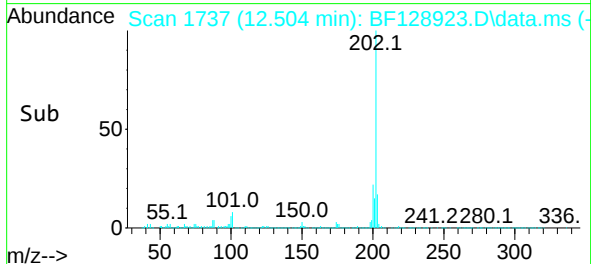
Instrument :
BNA_F
ClientSampleId :
NB-7-062022



Tgt Ion:202 Resp: 23664
Ion Ratio Lower Upper
202 100
101 7.9 0.0 31.4
203 17.2 0.0 38.0

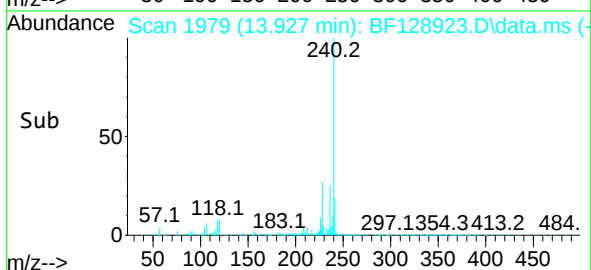
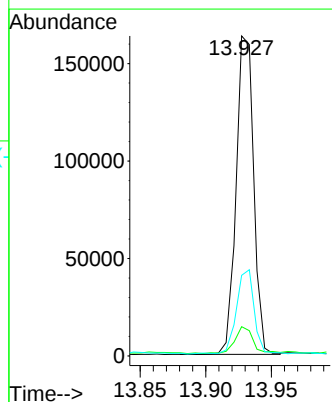
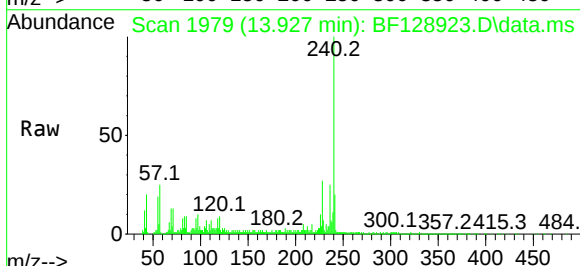
Manual Integrations
APPROVED

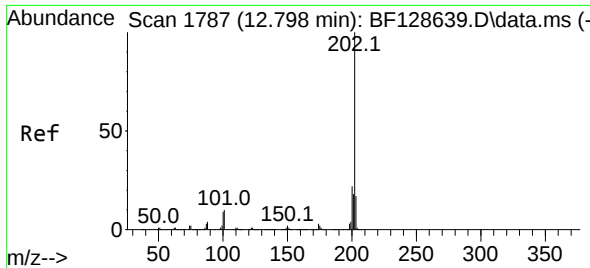
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

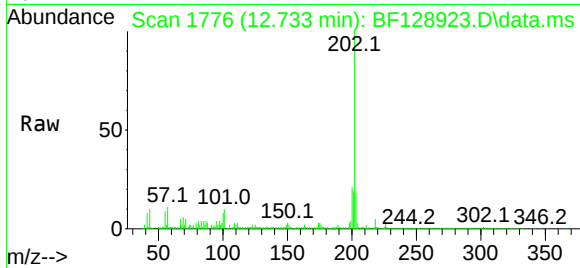
Tgt Ion:240 Resp: 152528
Ion Ratio Lower Upper
240 100
120 9.1 8.9 13.3
236 25.2 20.8 31.2





#78
Pyrene
Concen: 19.087 ng
RT: 12.733 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

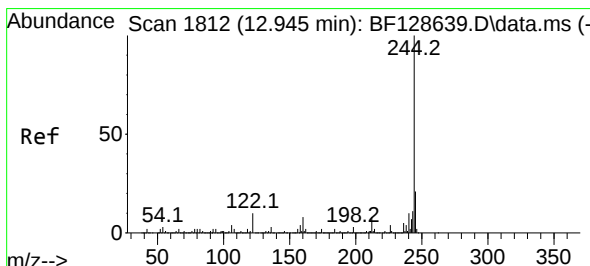
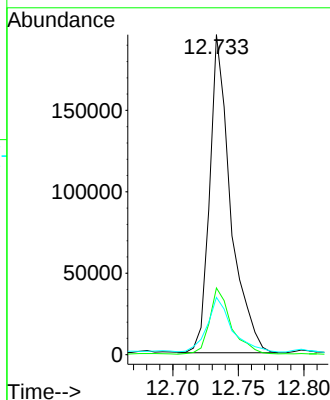
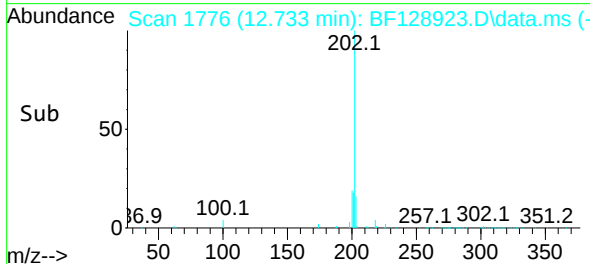
Instrument :
BNA_F
ClientSampleId :
NB-7-062022



Tgt Ion:202 Resp: 216604
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.9 14.6 21.8

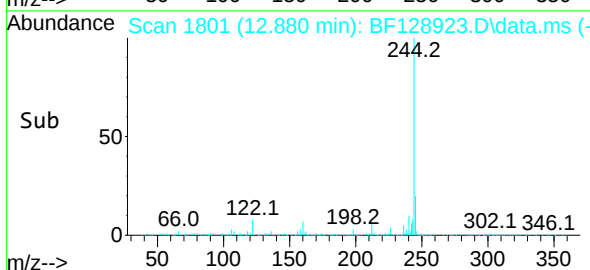
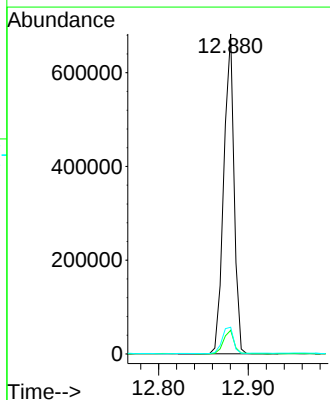
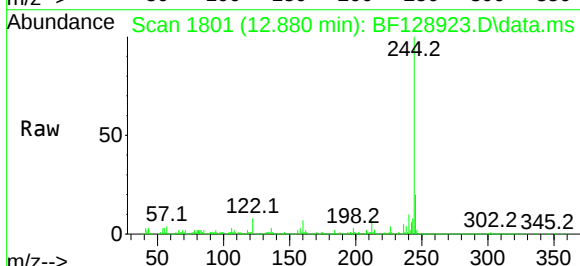
Manual Integrations
APPROVED

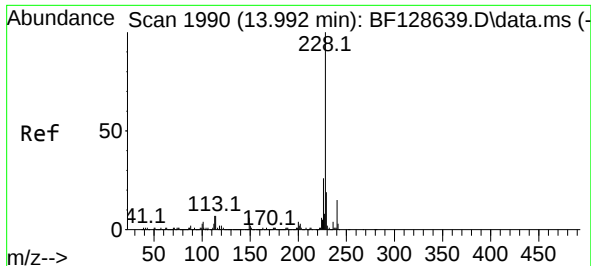
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#79
Terphenyl-d14
Concen: 62.003 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.012 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

Tgt Ion:244 Resp: 544252
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 8.4 8.8 13.2#





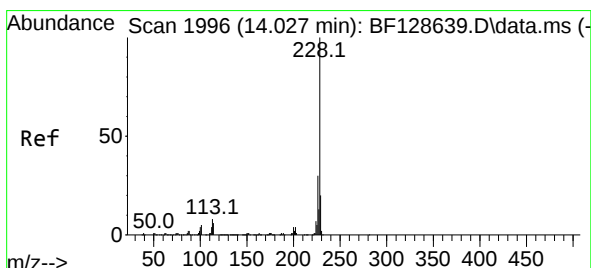
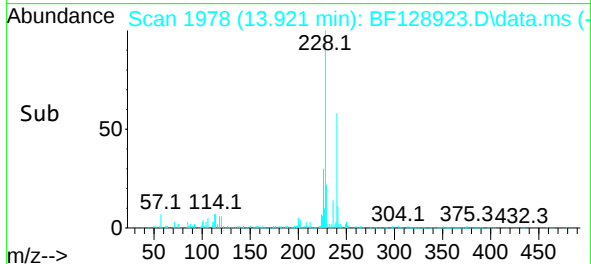
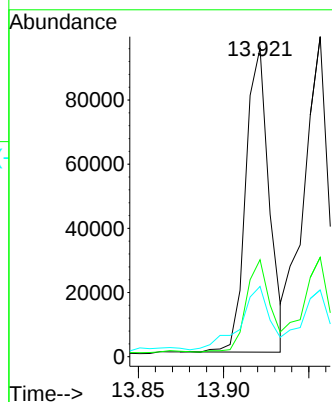
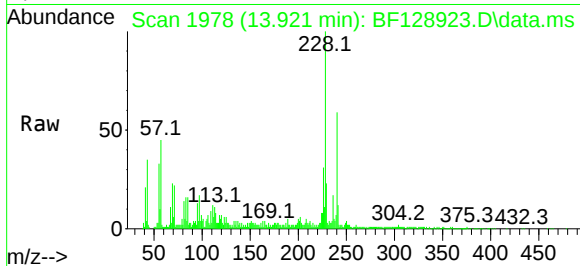
#81
Benzo(a)anthracene
Concen: 9.509 ng
RT: 13.921 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

Instrument :
BNA_F
ClientSampleId :
NB-7-062022

Tgt Ion:228 Resp: 90409
Ion Ratio Lower Upper
228 100
226 31.4 22.1 33.1
229 22.7 15.8 23.8

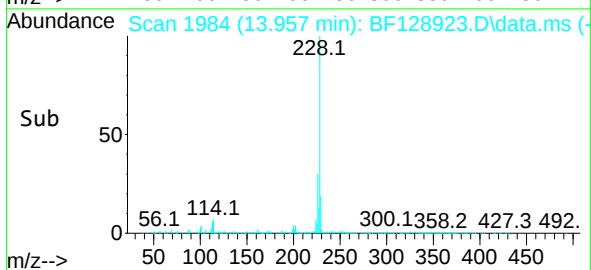
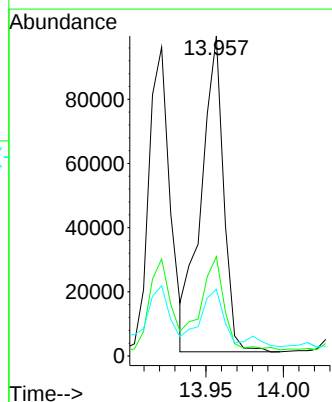
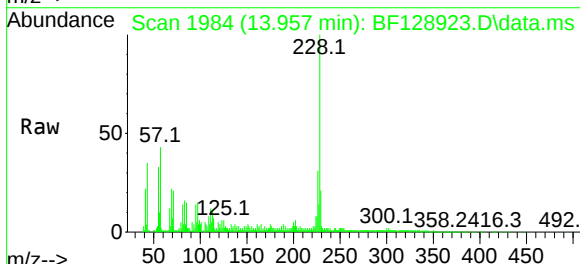
Manual Integrations
APPROVED

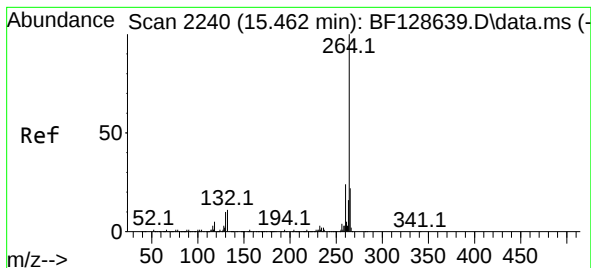
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#83
Chrysene
Concen: 10.917 ng
RT: 13.957 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BF128923.D
Acq: 22 Jun 2022 03:42

Tgt Ion:228 Resp: 98954
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 20.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128923.D

Acq: 22 Jun 2022 03:42

Instrument :

BNA_F

ClientSampleId :

NB-7-062022

Tgt Ion:264 Resp: 124980

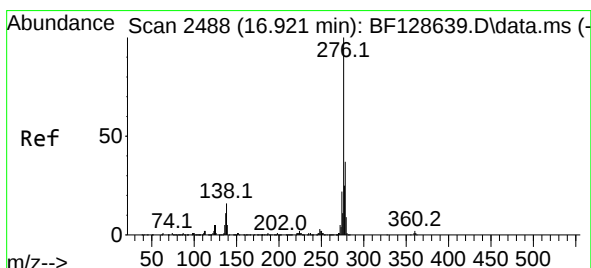
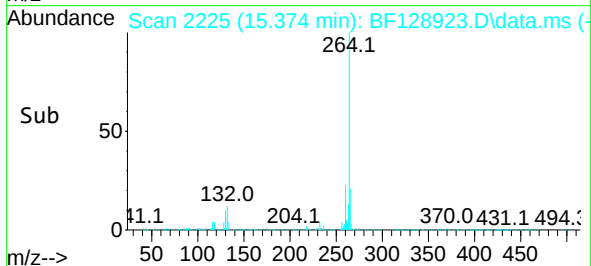
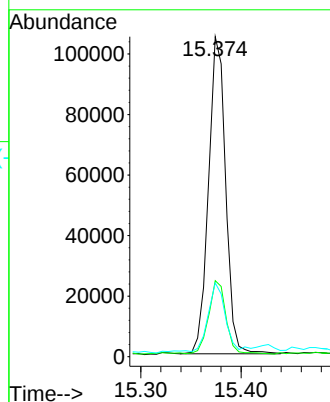
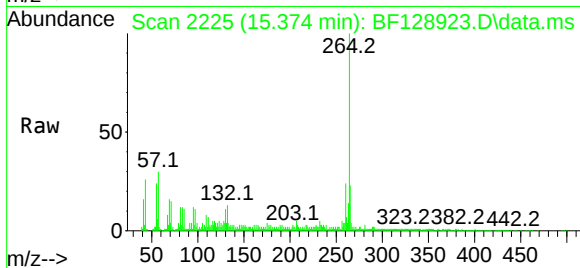
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	23.0	17.2	25.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.507 ng m

RT: 16.804 min Scan# 2468

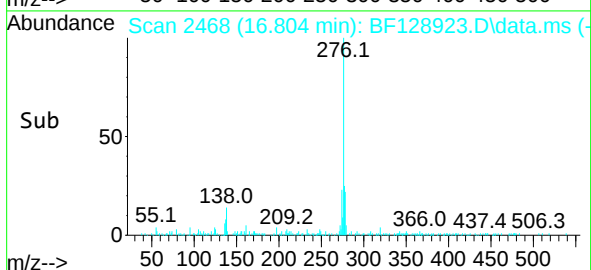
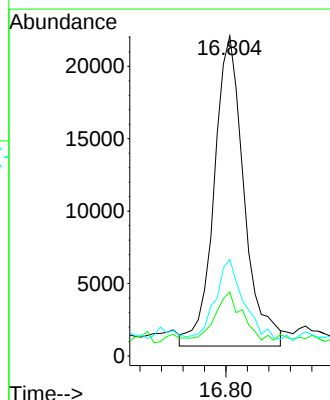
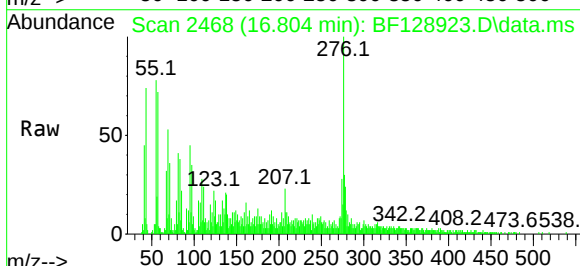
Delta R.T. 0.012 min

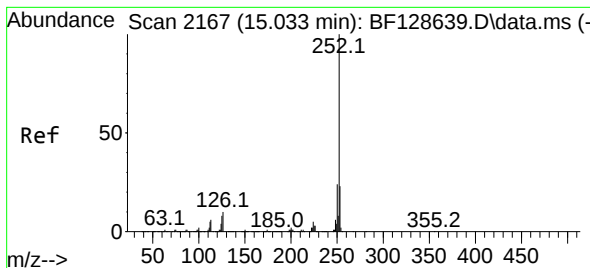
Lab File: BF128923.D

Acq: 22 Jun 2022 03:42

Tgt Ion:276 Resp: 41485

Ion	Ratio	Lower	Upper
276	100		
138	4.2	21.1	31.7#
277	4.1	20.3	30.5#





#88

Benzo(b)fluoranthene

Concen: 13.365 ng m

RT: 14.963 min Scan# 2155

Delta R.T. 0.012 min

Lab File: BF128923.D

Acq: 22 Jun 2022 03:42

Instrument :

BNA_F

ClientSampleId :

NB-7-062022

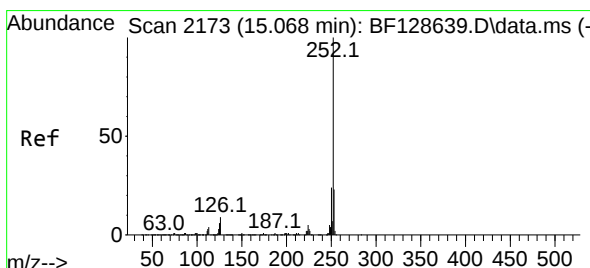
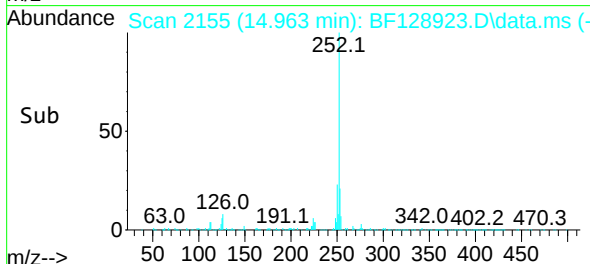
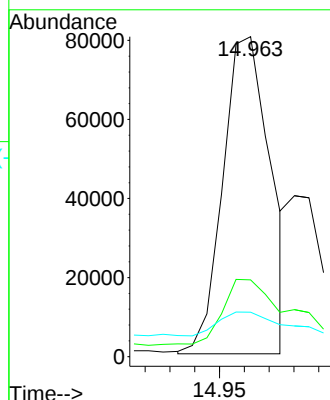
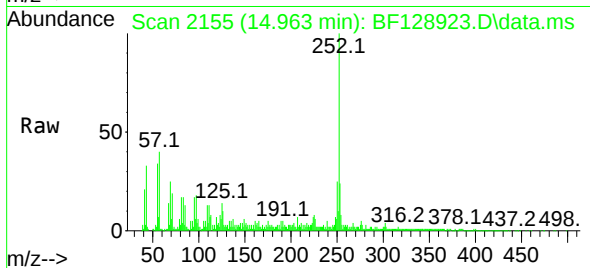
Tgt Ion:252 Resp: 106735
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.7 26.5
 125 13.9 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#89

Benzo(k)fluoranthene

Concen: 5.053 ng m

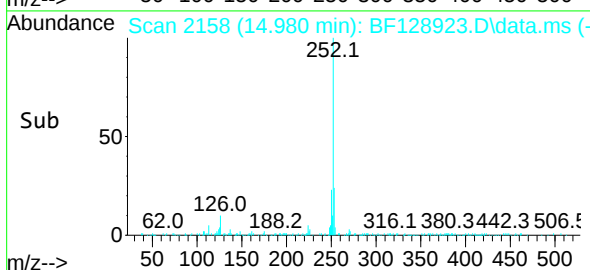
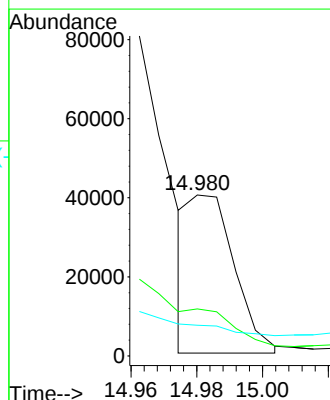
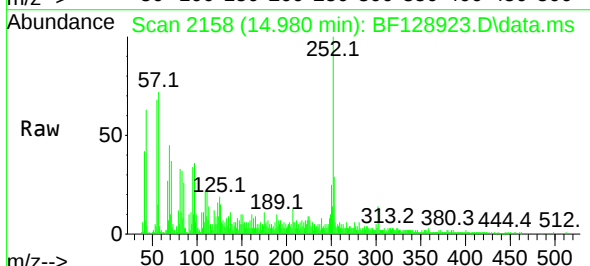
RT: 14.980 min Scan# 2158

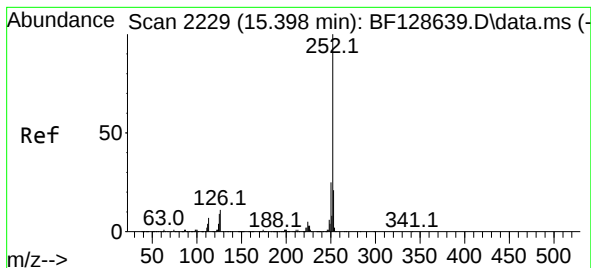
Delta R.T. 0.000 min

Lab File: BF128923.D

Acq: 22 Jun 2022 03:42

Tgt Ion:252 Resp: 37963
 Ion Ratio Lower Upper
 252 100
 253 29.2 17.8 26.6#
 125 19.1 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 11.182 ng

RT: 15.315 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128923.D

Acq: 22 Jun 2022 03:42

Instrument :

BNA_F

ClientSampleId :

NB-7-062022

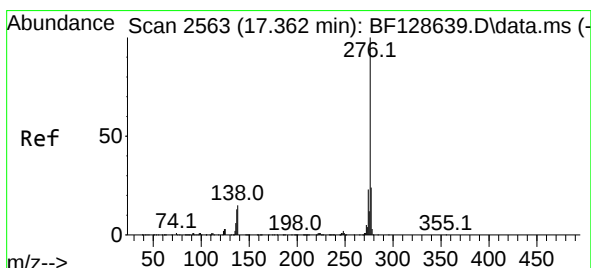
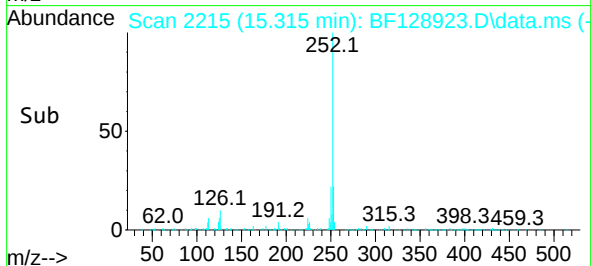
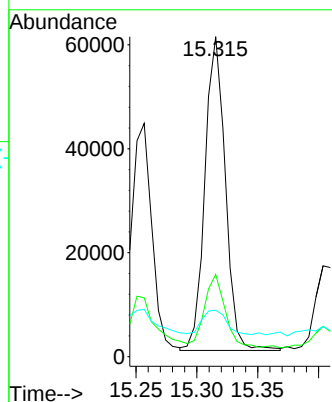
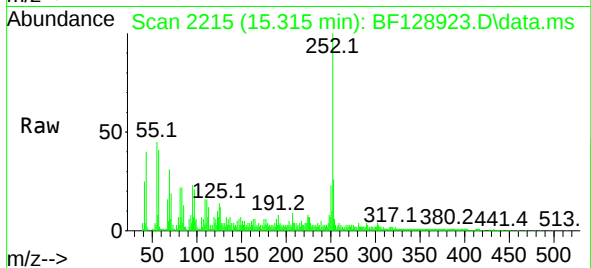
Tgt Ion:	252	Resp:	7019
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.0	25.6
125	14.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#92

Benzo(g,h,i)perylene

Concen: 6.593 ng

RT: 17.239 min Scan# 2542

Delta R.T. 0.024 min

Lab File: BF128923.D

Acq: 22 Jun 2022 03:42

Tgt Ion:	276	Resp:	40832
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.1	28.7
138	17.1	18.0	27.0

