

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128922.D
 Acq On : 22 Jun 2022 03:13
 Operator : CG\JU
 Sample : N3413-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022

Manual Integrations
 APPROVED

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

Quant Time: Jun 22 04:02:31 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	88737	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	300294	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	142499	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	253457	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	156017	20.000	ng	0.00
86) Perylene-d12	15.380	264	122081	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	524994	94.237	ng	0.00
7) Phenol-d6	6.416	99	639319	94.012	ng	0.00
23) Nitrobenzene-d5	7.322	82	436493	67.675	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	136443	81.038	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	729582	71.720	ng	0.00
79) Terphenyl-d14	12.868	244	730908	81.405	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.651	152	60263	4.825	ng	97
52) Acenaphthene	9.822	154	23644	2.907	ng	99
58) Fluorene	10.339	166	45261	4.993	ng	96
71) Phenanthrene	11.304	178	505711	39.779	ng	99
72) Anthracene	11.357	178	184372	14.652	ng	99
73) Carbazole	11.516	167	59026	5.051	ng	98
75) Fluoranthene	12.504	202	922898	69.450	ng	96
78) Pyrene	12.733	202	848249	73.077	ng	98
81) Benzo(a)anthracene	13.921	228	431577	44.378	ng	# 93
83) Chrysene	13.957	228	412708m	44.513	ng	
87) Indeno(1,2,3-cd)pyrene	16.809	276	148856	20.230	ng	# 88
88) Benzo(b)fluoranthene	14.962	252	432776m	55.478	ng	
89) Benzo(k)fluoranthene	14.986	252	112470m	15.327	ng	
90) Benzo(a)pyrene	15.321	252	317591	51.799	ng	# 95
91) Dibenzo(a,h)anthracene	16.809	278	44731	7.329	ng	# 74
92) Benzo(g,h,i)perylene	17.245	276	141546	23.400	ng	# 92

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

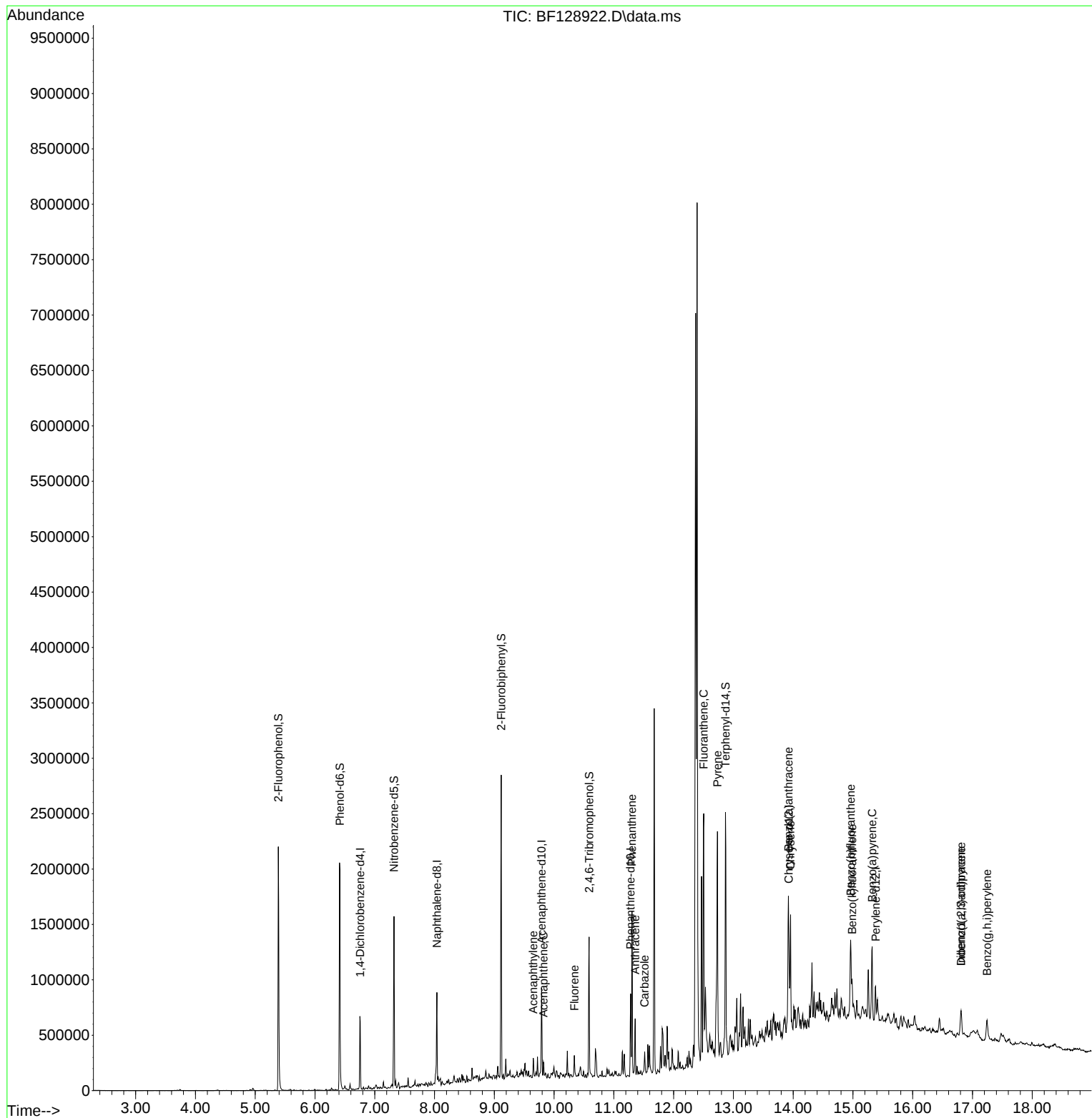
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
Data File : BF128922.D
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Sample : N3413-01
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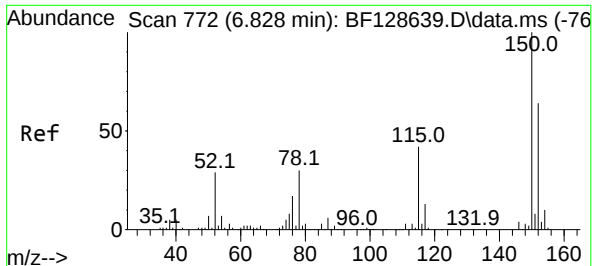
Instrument :
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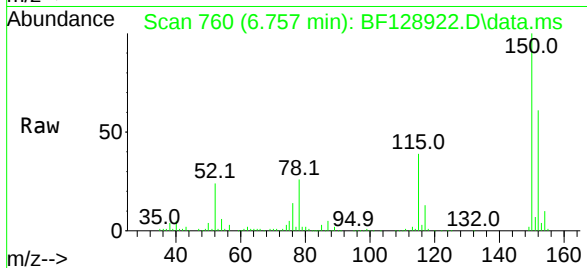
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

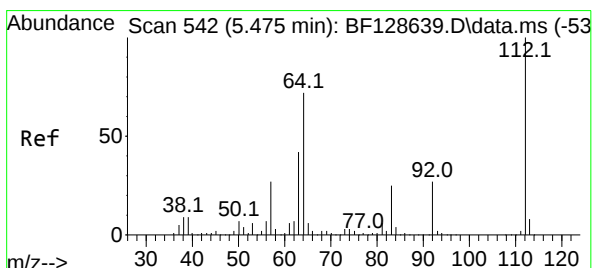
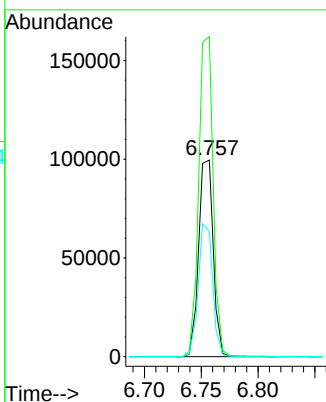
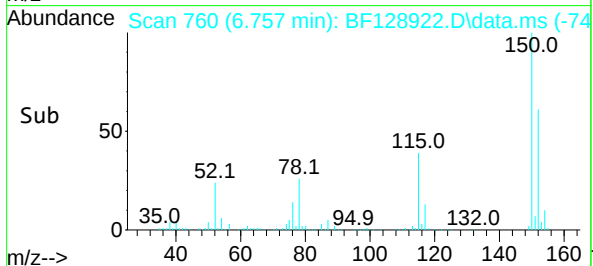
Instrument :
BNA_F
ClientSampleId :
EO-01-062022



Tgt Ion:152 Resp: 8873
Ion Ratio Lower Upper
152 100
150 162.8 123.7 185.5
115 63.8 49.9 74.9

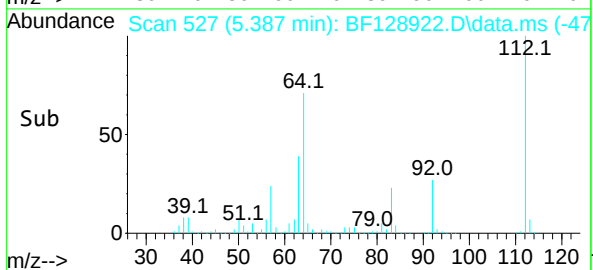
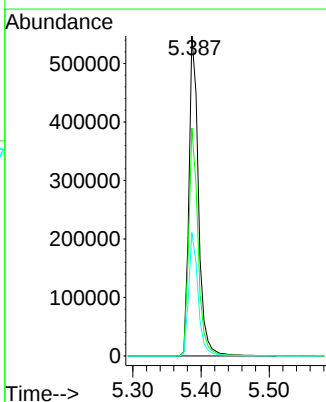
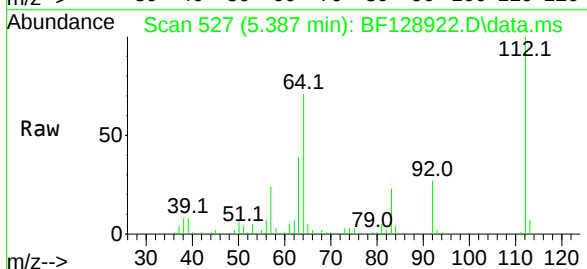
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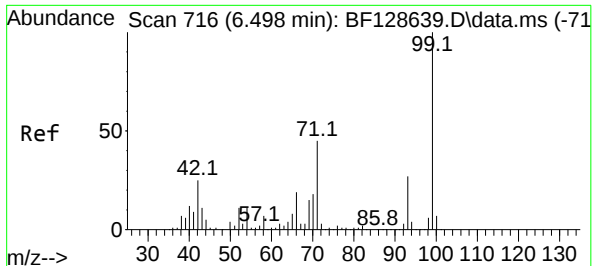
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#5
2-Fluorophenol
Concen: 94.237 ng
RT: 5.387 min Scan# 527
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

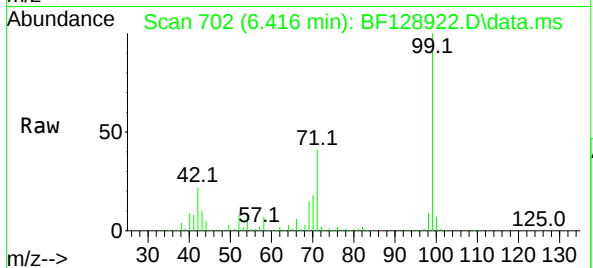
Tgt Ion:112 Resp: 524994
Ion Ratio Lower Upper
112 100
64 71.2 53.3 79.9
63 38.6 28.0 42.0





#7
Phenol-d6
Concen: 94.012 ng
RT: 6.416 min Scan# 702
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

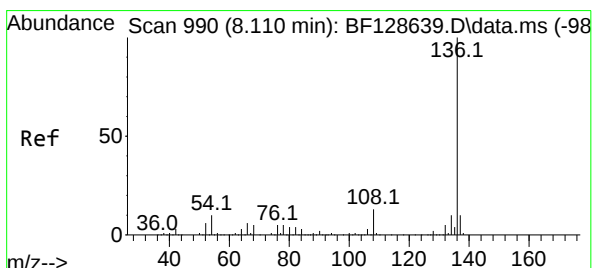
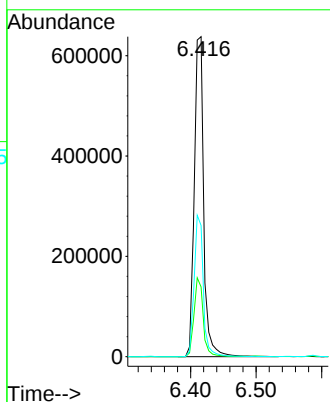
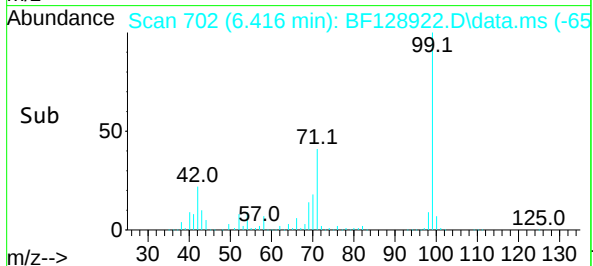
Instrument :
BNA_F
ClientSampleId :
EO-01-062022



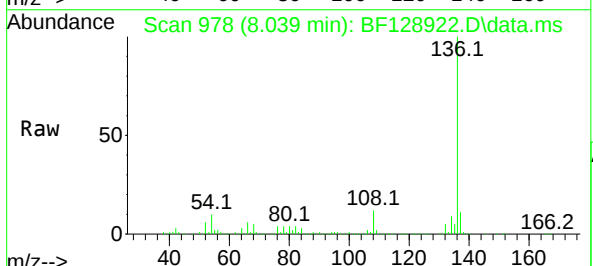
Tgt Ion: 99 Resp: 639319
Ion Ratio Lower Upper
99 100
42 21.8 17.3 25.9
71 41.0 28.9 43.3

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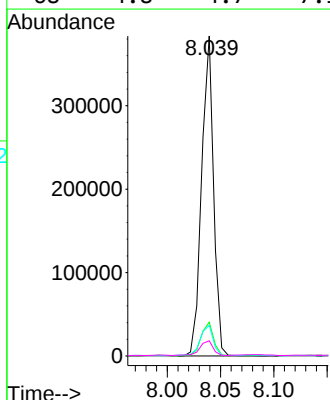
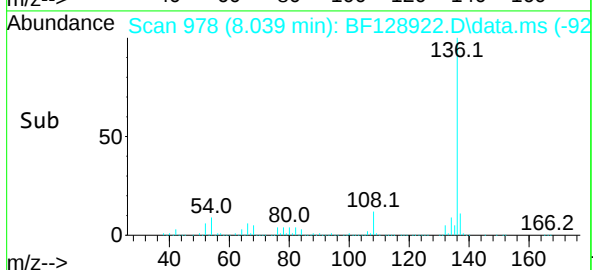
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

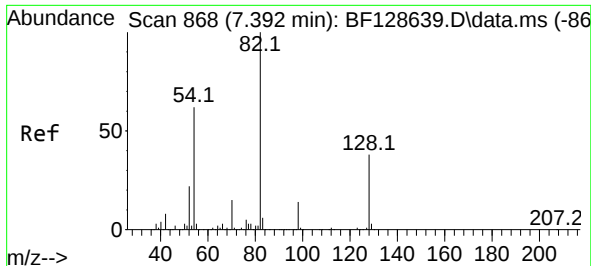


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 978
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13



Tgt Ion:136 Resp: 300294
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.5 7.5 11.3
68 4.8 4.7 7.1





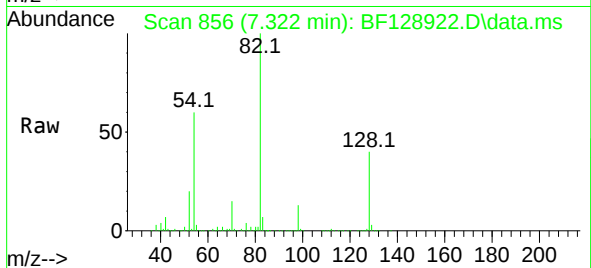
#23
Nitrobenzene-d5
Concen: 67.675 ng
RT: 7.322 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

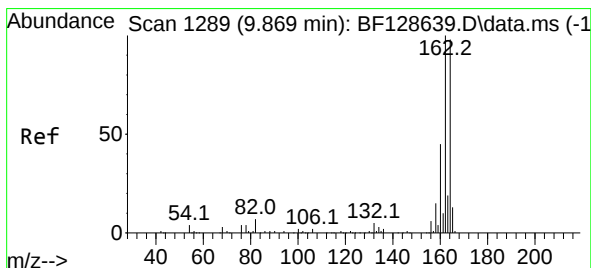
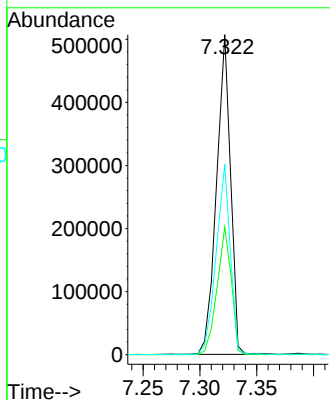
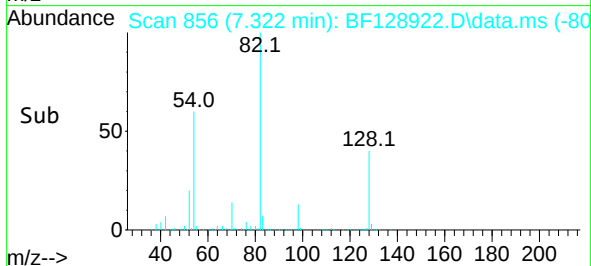
EO-01-062022



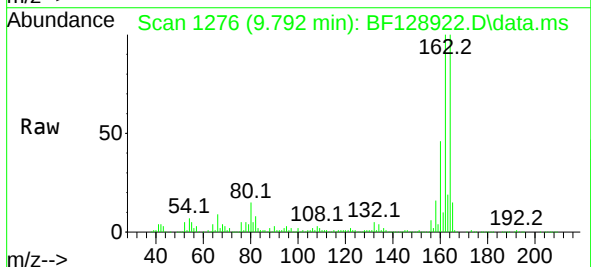
Tgt Ion: 82 Resp: 43649
Ion Ratio Lower Upper
82 100
128 39.8 34.0 51.0
54 59.6 46.9 70.3

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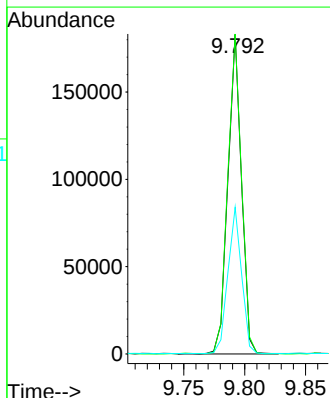
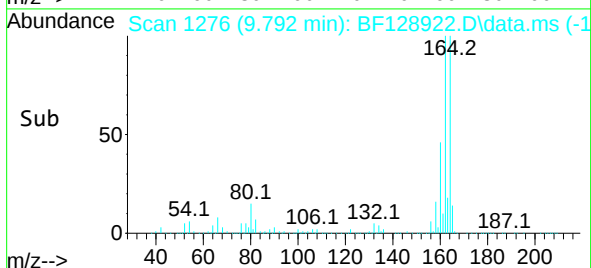
Reviewed By :Christian Giraldo 06/22/2022
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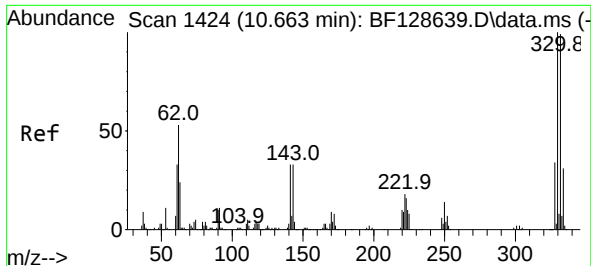


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13



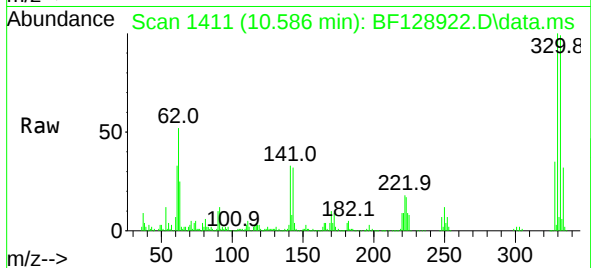
Tgt Ion:164 Resp: 142499
Ion Ratio Lower Upper
164 100
162 100.1 79.5 119.3
160 45.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 81.038 ng
RT: 10.586 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

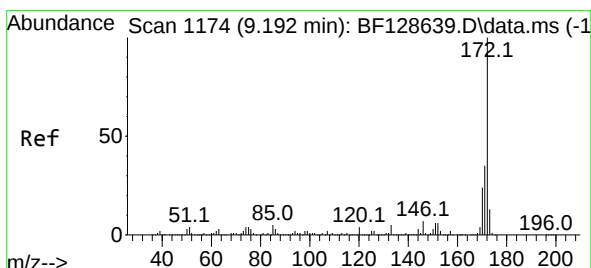
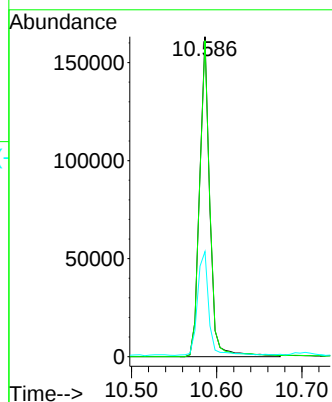
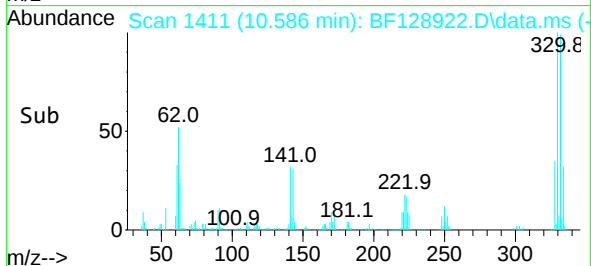
Instrument :
BNA_F
ClientSampleId :
EO-01-062022



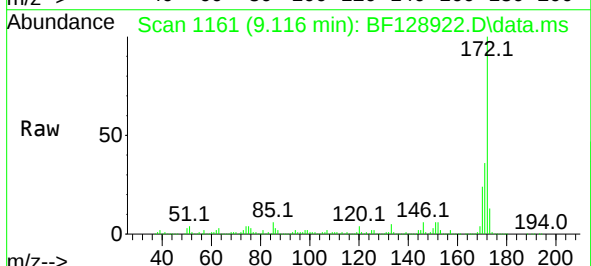
Tgt Ion: 330 Resp: 13644
Ion Ratio Lower Upper
330 100
332 99.6 76.8 115.2
141 35.7 28.0 42.0

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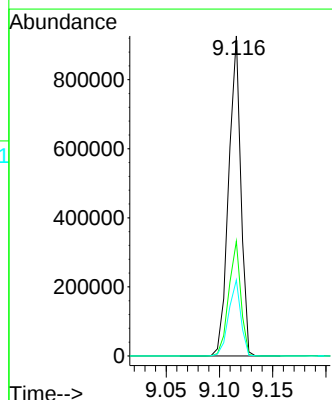
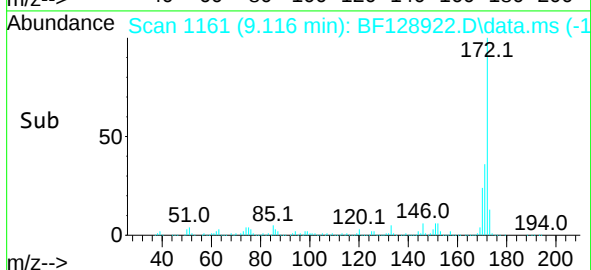
Reviewed By : Christian Giraldo 06/22/2022
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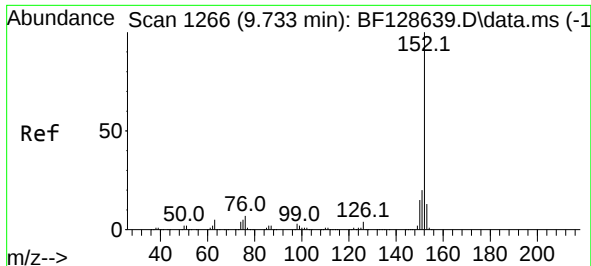


#45
2-Fluorobiphenyl
Concen: 71.720 ng
RT: 9.116 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13



Tgt Ion: 172 Resp: 729582
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.8 19.8 29.8





#49

Acenaphthylene

Concen: 4.825 ng

RT: 9.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

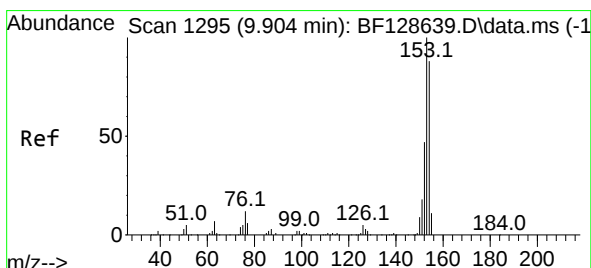
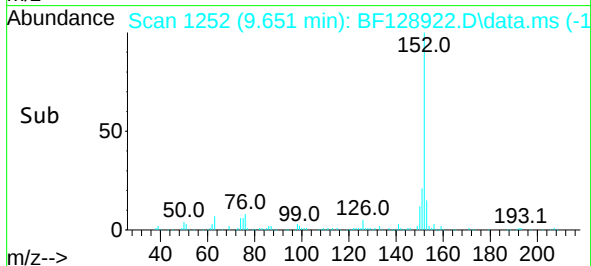
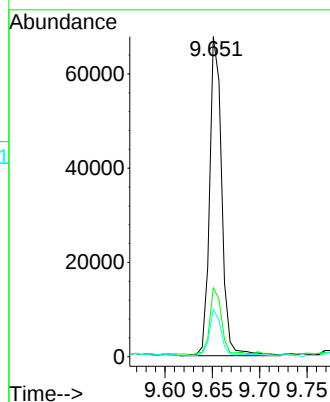
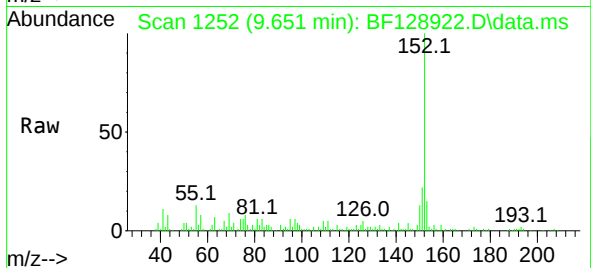
Tgt Ion:152	Resp: 6026
Ion Ratio	Lower Upper
152	100
151	21.5 16.2 24.4
153	14.9 10.7 16.1

Manual Integrations

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Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#52

Acenaphthene

Concen: 2.907 ng

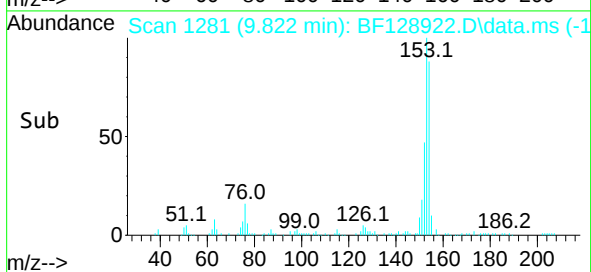
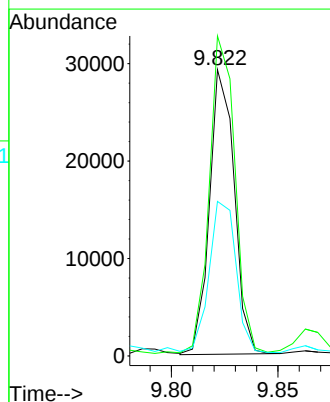
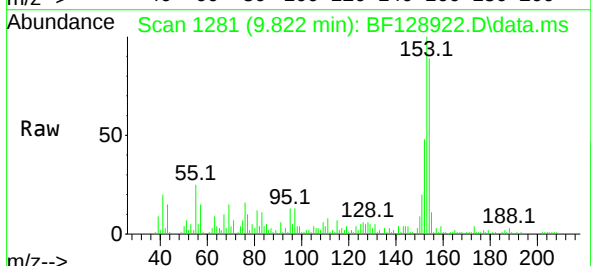
RT: 9.822 min Scan# 1281

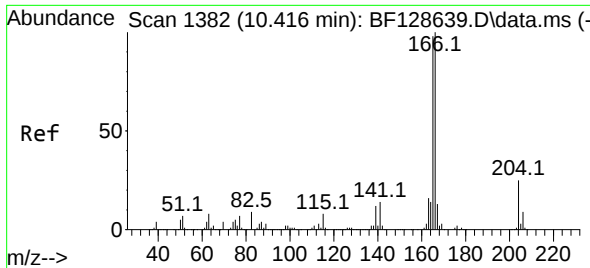
Delta R.T. -0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

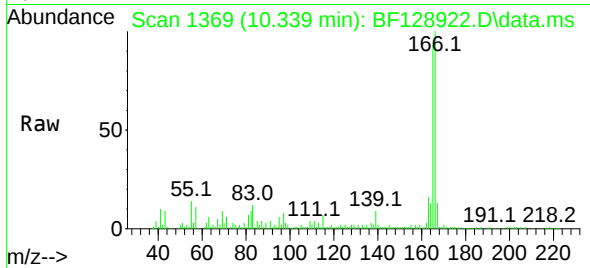
Tgt Ion:154	Resp: 23644
Ion Ratio	Lower Upper
154	100
153	111.8 89.6 134.4
152	54.0 42.4 63.6





#58
Fluorene
Concen: 4.993 ng
RT: 10.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

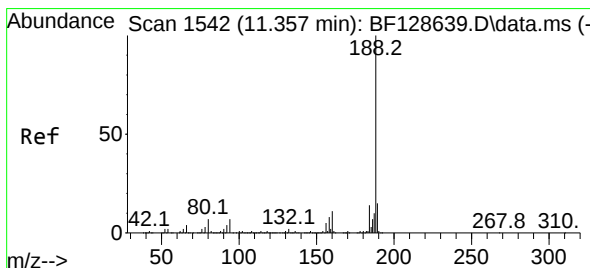
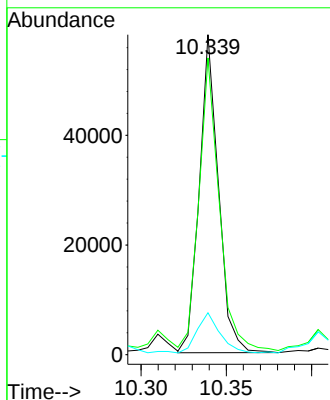
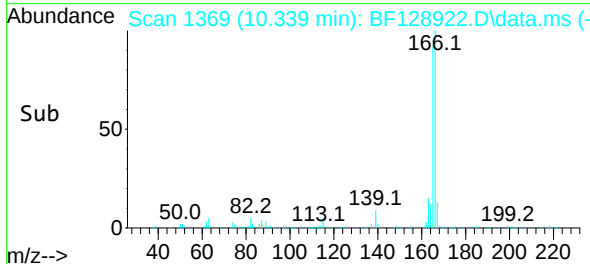
Instrument :
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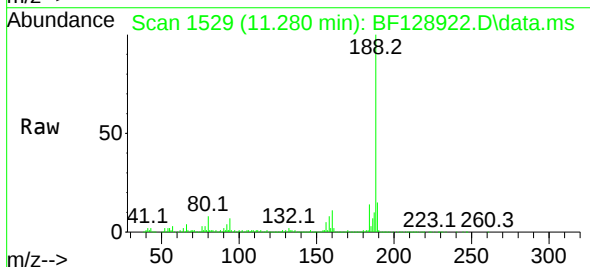
Tgt Ion:166 Resp: 4526
Ion Ratio Lower Upper
166 100
165 92.7 78.1 117.1
167 13.1 10.5 15.7

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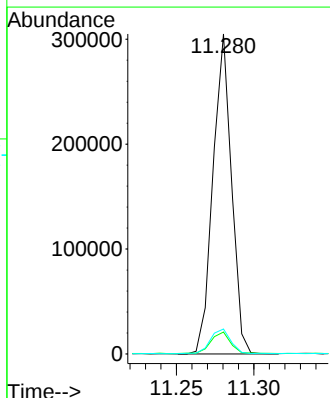
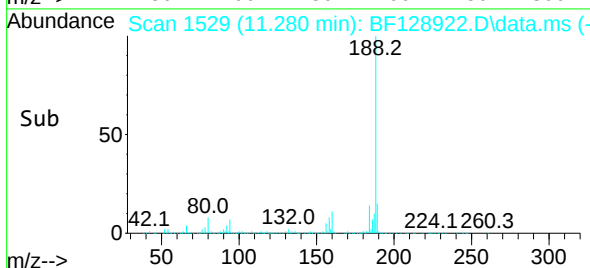
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

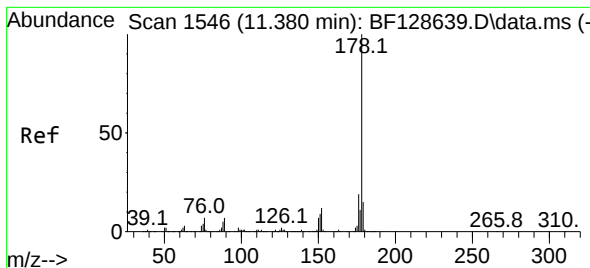


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1529
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13



Tgt Ion:188 Resp: 253457
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 7.8 7.6 11.4





#71

Phenanthrene

Concen: 39.779 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

Tgt Ion:178 Resp: 50571

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

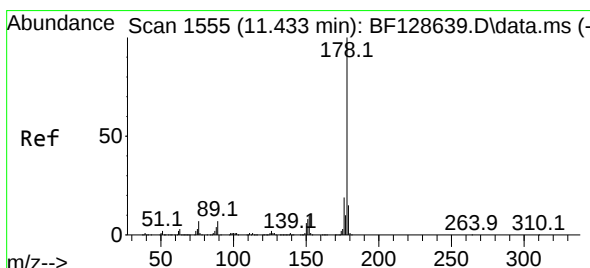
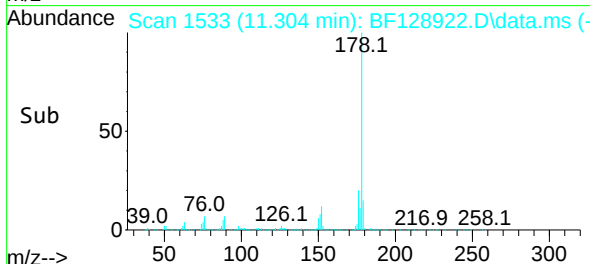
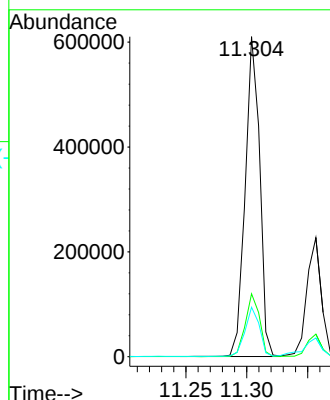
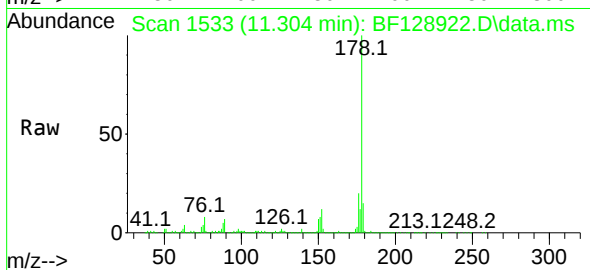
179 15.5 12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#72

Anthracene

Concen: 14.652 ng

RT: 11.357 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

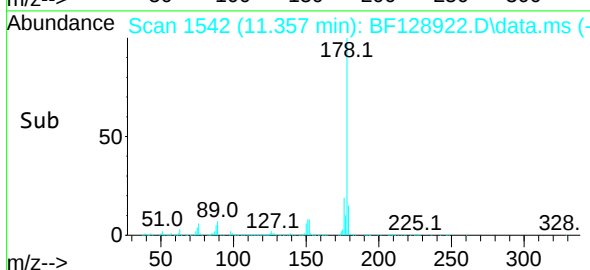
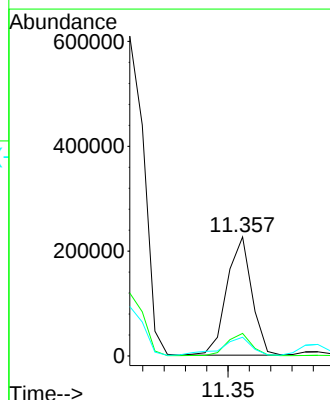
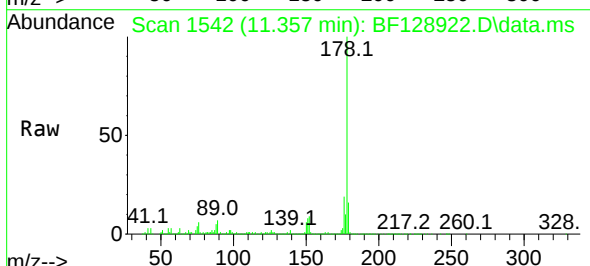
Tgt Ion:178 Resp: 184372

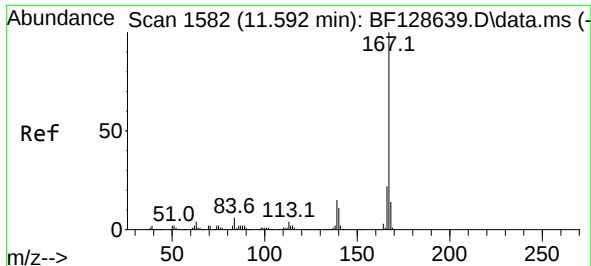
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

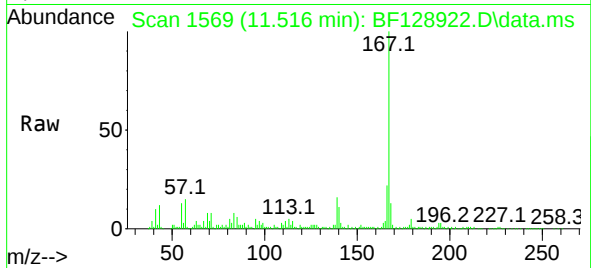
179 15.7 12.6 19.0





#73
 Carbazole
 Concen: 5.051 ng
 RT: 11.516 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

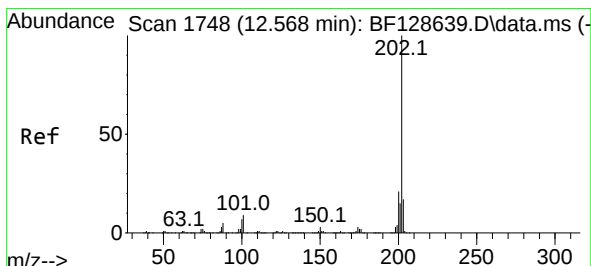
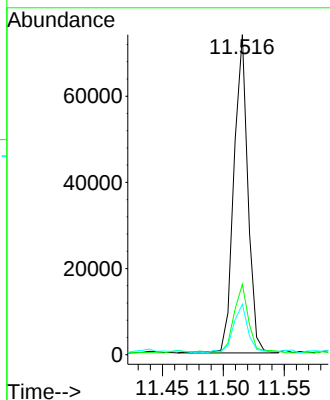
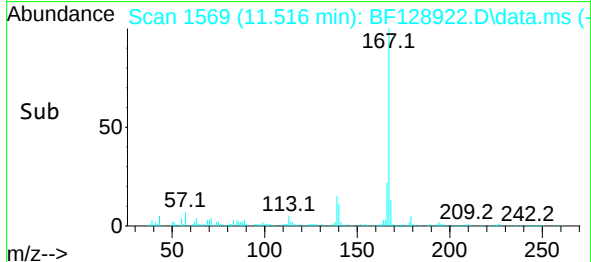
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022



Tgt Ion:167 Resp: 59020
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.7 26.5
 139 15.8 11.2 16.8

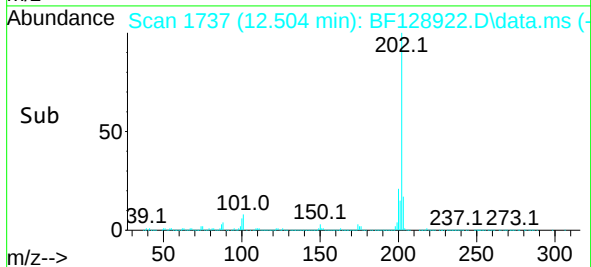
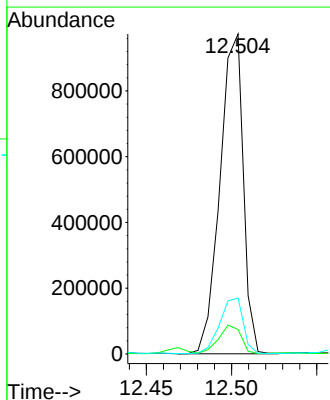
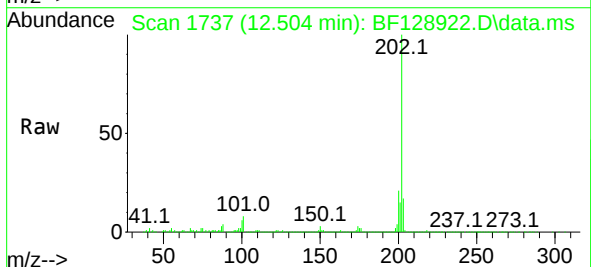
Manual Integrations
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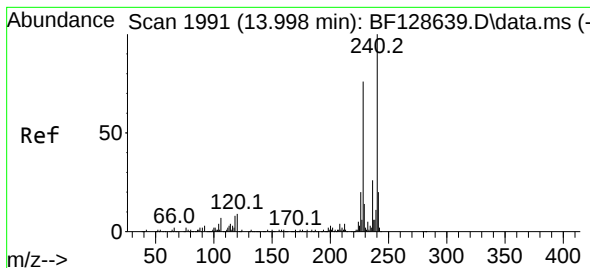
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022



#75
 Fluoranthene
 Concen: 69.450 ng
 RT: 12.504 min Scan# 1737
 Delta R.T. 0.006 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

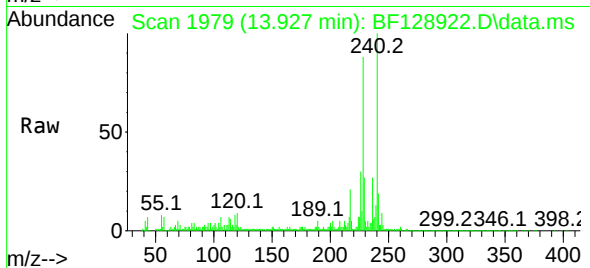
Tgt Ion:202 Resp: 922898
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 31.4
 203 17.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

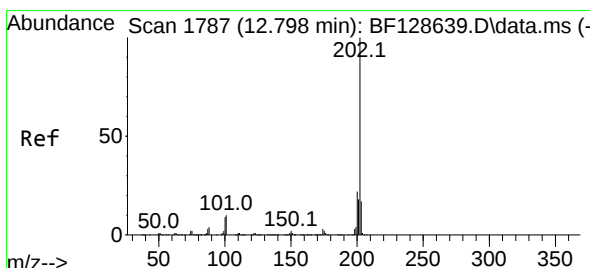
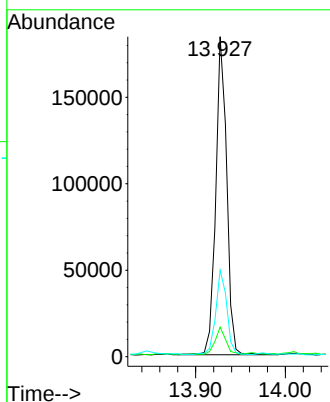
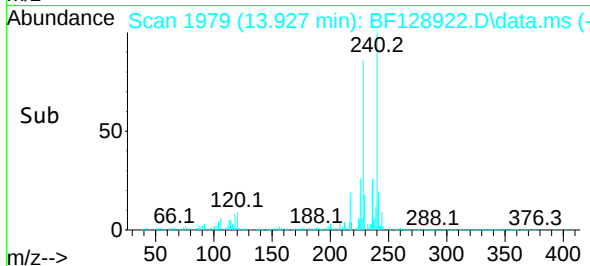
Instrument :
BNA_F
ClientSampleId :
EO-01-062022



Tgt Ion:240 Resp: 156017
Ion Ratio Lower Upper
240 100
120 9.2 8.9 13.3
236 27.0 20.8 31.2

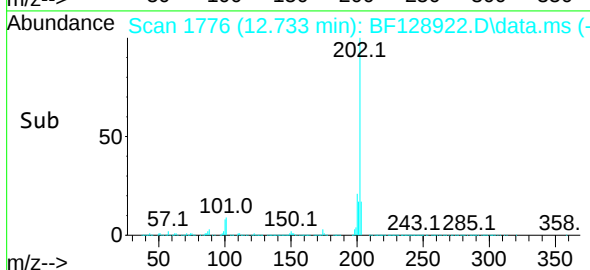
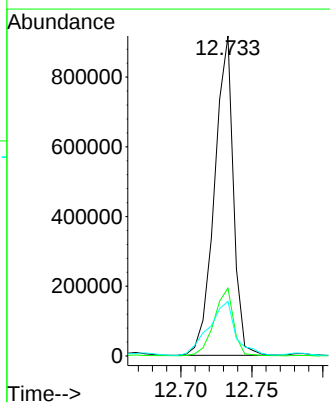
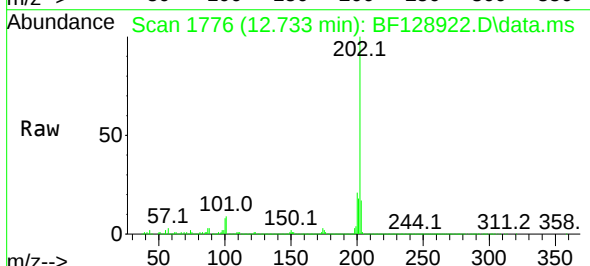
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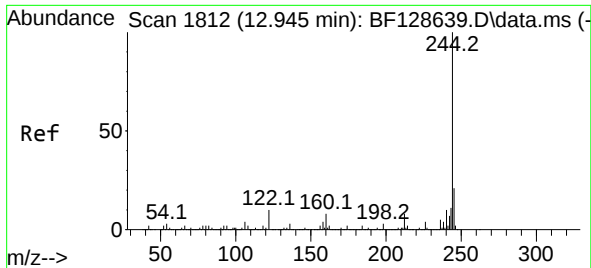
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#78
Pyrene
Concen: 73.077 ng
RT: 12.733 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

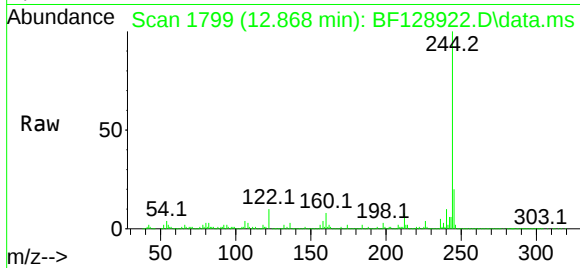
Tgt Ion:202 Resp: 848249
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 81.405 ng
 RT: 12.868 min Scan# 1799
 Delta R.T. -0.000 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

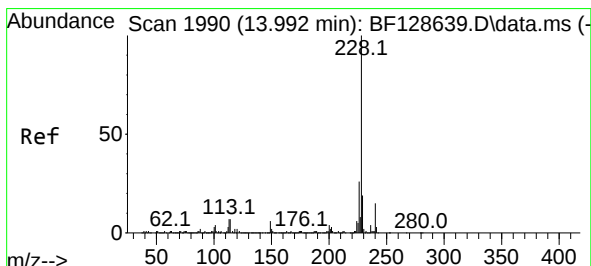
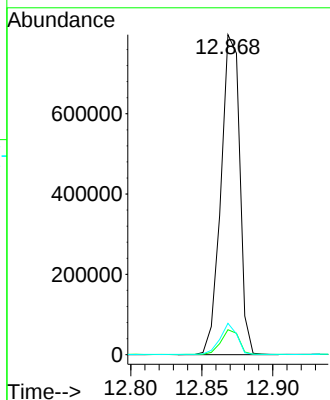
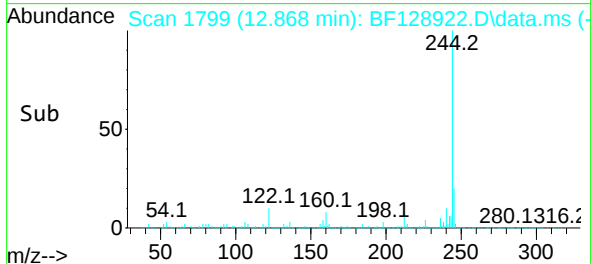
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022



Tgt Ion:244 Resp: 730908
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 9.8 8.8 13.2

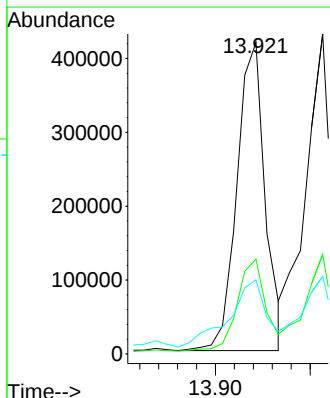
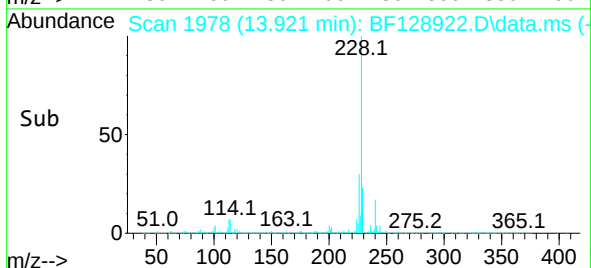
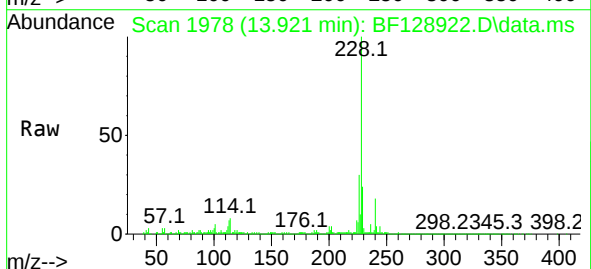
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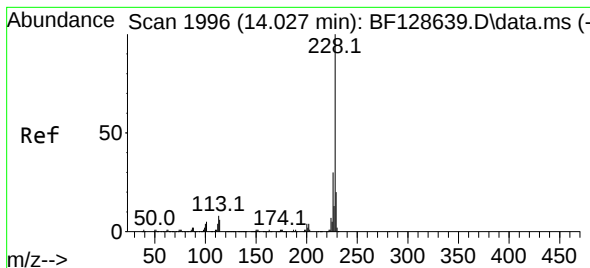
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022



#81
 Benzo(a)anthracene
 Concen: 44.378 ng
 RT: 13.921 min Scan# 1978
 Delta R.T. 0.006 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

Tgt Ion:228 Resp: 431577
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.1 33.1
 229 23.9 15.8 23.8#





#83

Chrysene

Concen: 44.513 ng m

RT: 13.957 min Scan# 1996

Delta R.T. 0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

Tgt Ion:228 Resp: 412708

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

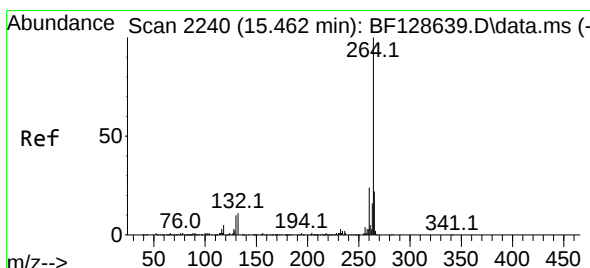
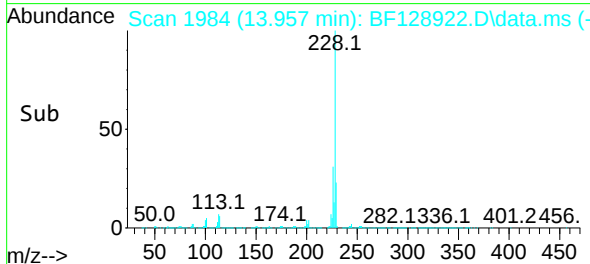
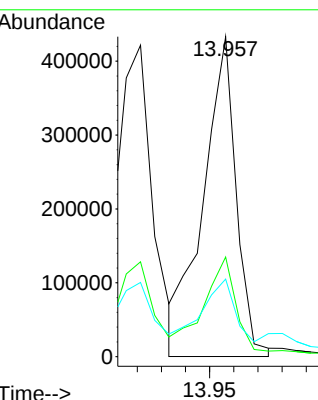
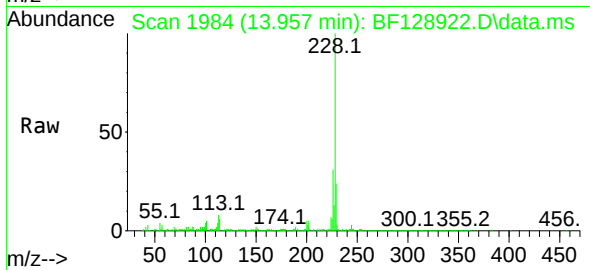
229 24.2 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 06/22/2022

Supervised By :Jagrut Upadhyay 06/22/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 2226

Delta R.T. 0.018 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

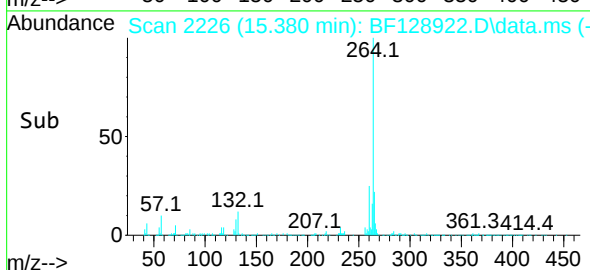
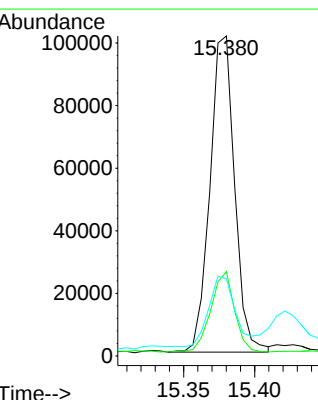
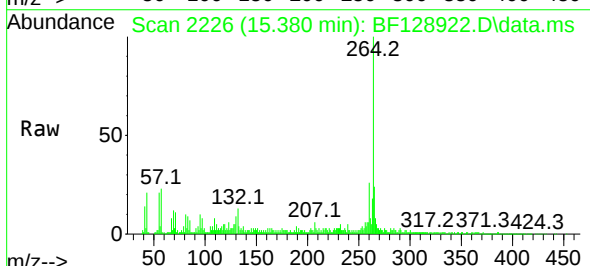
Tgt Ion:264 Resp: 122081

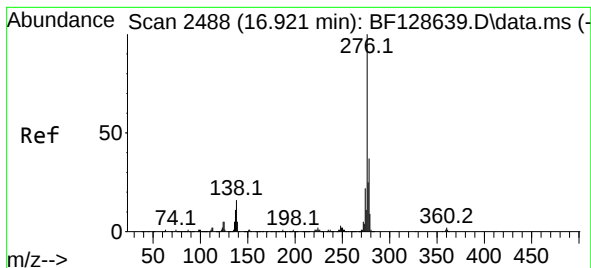
Ion Ratio Lower Upper

264 100

260 26.4 18.4 27.6

265 24.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.230 ng

RT: 16.809 min Scan# 2488

Delta R.T. 0.018 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

Tgt Ion: 276 Resp: 148850

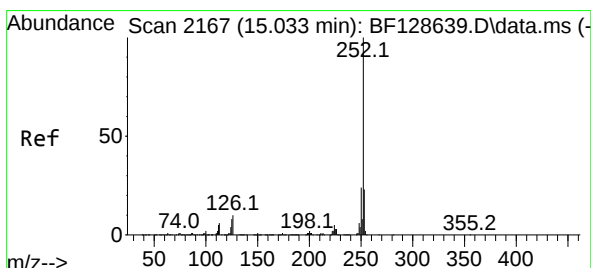
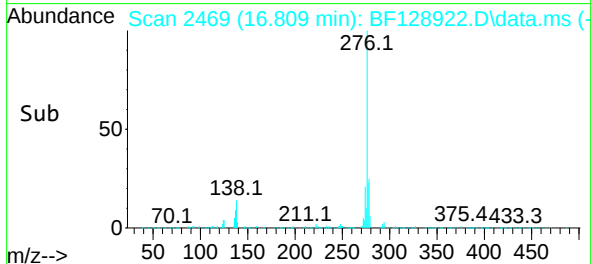
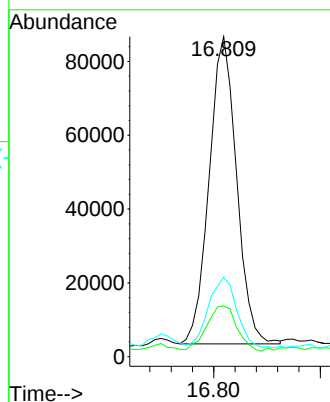
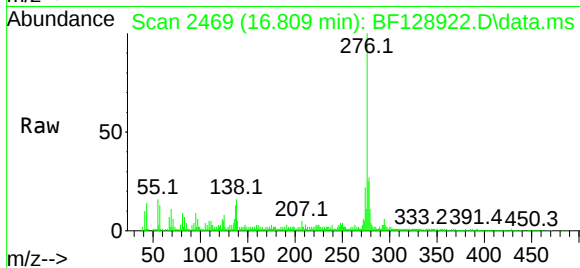
Ion	Ratio	Lower	Upper
276	100		
138	16.2	21.1	31.7
277	23.5	20.3	30.5

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 06/22/2022

Supervised By : Jagrut Upadhyay 06/22/2022



#88

Benzo(b)fluoranthene

Concen: 55.478 ng m

RT: 14.962 min Scan# 2155

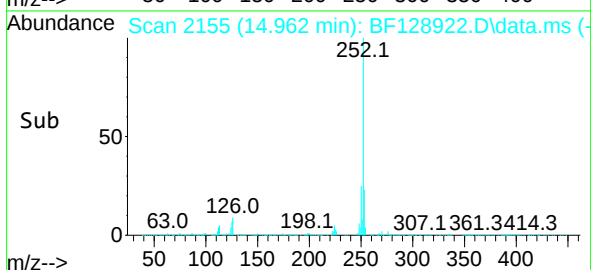
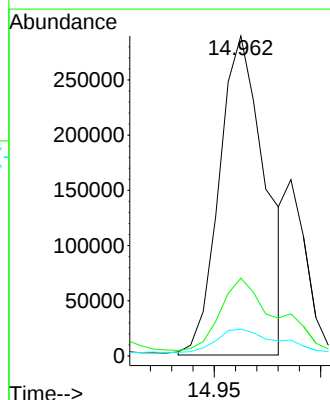
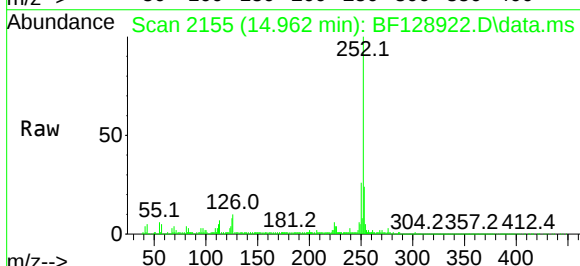
Delta R.T. 0.012 min

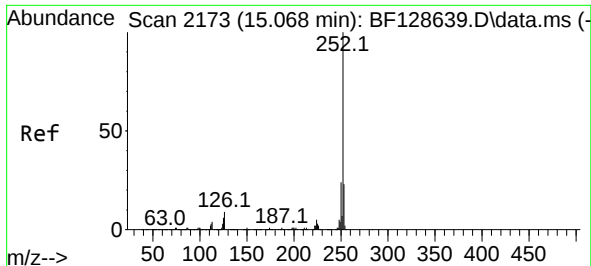
Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Tgt Ion: 252 Resp: 432776

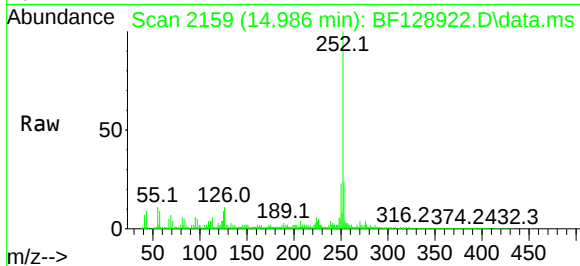
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	8.4	8.0	12.0





#89
Benzo(k)fluoranthene
Concen: 15.327 ng m
RT: 14.986 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

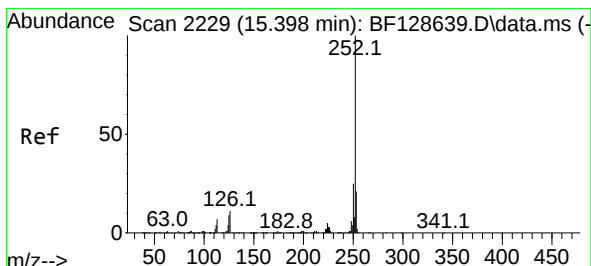
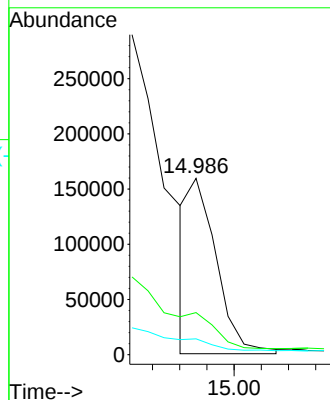
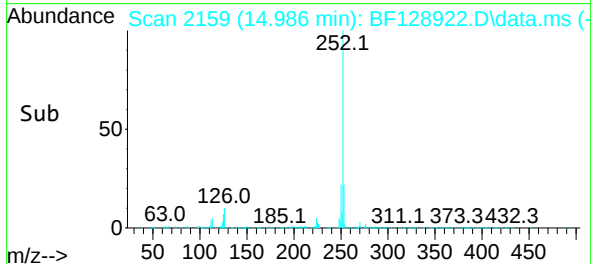
Instrument :
BNA_F
ClientSampleId :
EO-01-062022



Tgt Ion:252 Resp: 112470
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 8.9 8.3 12.5

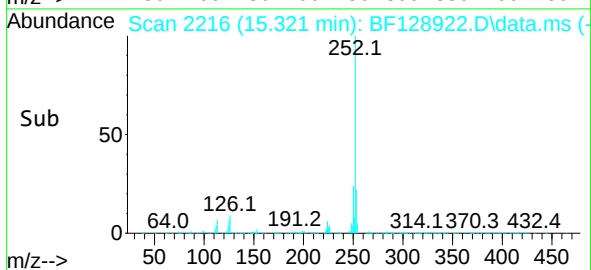
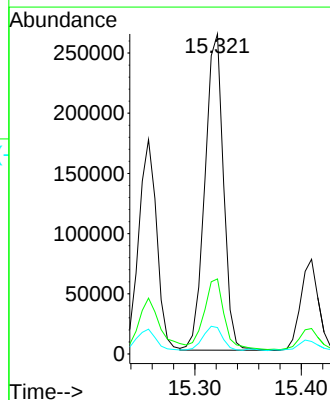
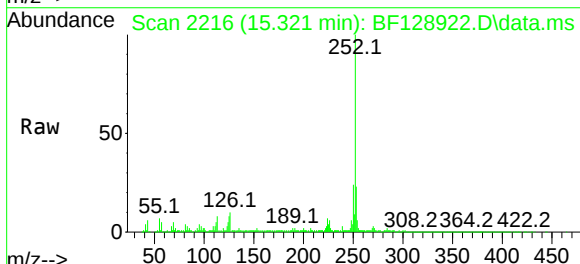
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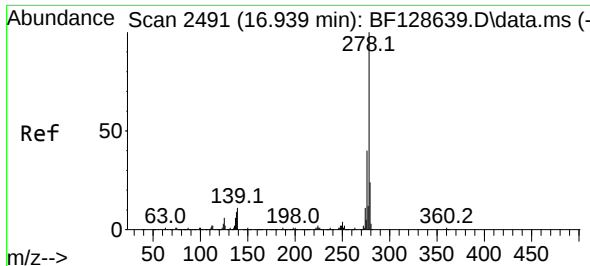
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#90
Benzo(a)pyrene
Concen: 51.799 ng
RT: 15.321 min Scan# 2216
Delta R.T. 0.018 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

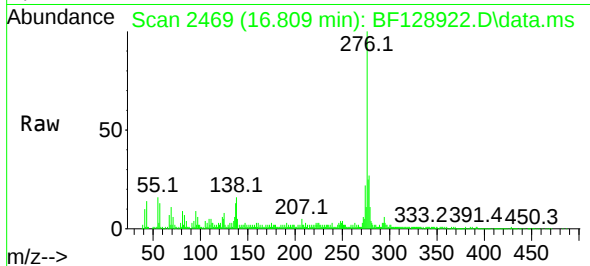
Tgt Ion:252 Resp: 317591
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 8.3 8.8 13.2#





#91
Dibenzo(a,h)anthracene
Concen: 7.329 ng
RT: 16.809 min Scan# 2491
Delta R.T. 0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

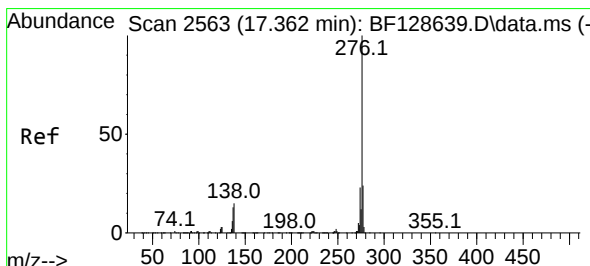
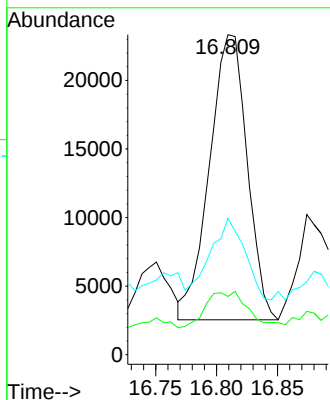
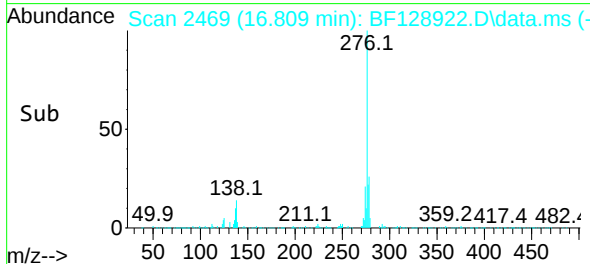
Instrument :
BNA_F
ClientSampleId :
EO-01-062022



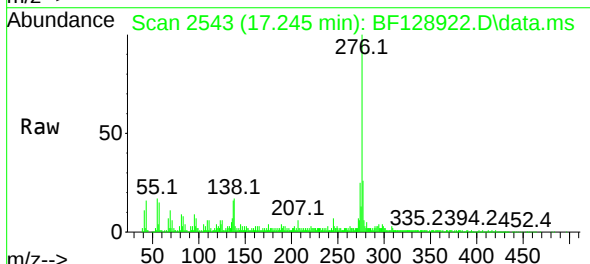
Tgt Ion:278 Resp: 4473
Ion Ratio Lower Upper
278 100
139 18.2 12.8 19.2
279 42.6 18.6 28.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 23.400 ng
RT: 17.245 min Scan# 2543
Delta R.T. 0.029 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13



Tgt Ion:276 Resp: 141546
Ion Ratio Lower Upper
276 100
277 26.2 19.1 28.7
138 16.9 18.0 27.0

