

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128741.D
 Acq On : 08 Jun 2022 18:10
 Operator : CG\JU
 Sample : N3225-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-06062022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 09 03:17:56 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 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	77925	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	258648	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	124212	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	207014	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	145316	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	107209	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	618381	126.401	ng	0.00
7) Phenol-d6	6.481	99	758165	126.957	ng	0.00
23) Nitrobenzene-d5	7.381	82	528091	95.060	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	170195	115.966	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	903788	101.925	ng	0.00
79) Terphenyl-d14	12.933	244	871576	104.220	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.804	142	17081	2.023	ng	99
38) 1-Methylnaphthalene	8.904	142	18757	2.299	ng	96
49) Acenaphthylene	9.710	152	42413	3.896	ng	99
52) Acenaphthene	9.880	154	25570m	3.607	ng	
55) Dibenzofuran	10.057	168	28074m	2.755	ng	
58) Fluorene	10.398	166	49005	6.202	ng	98
71) Phenanthrene	11.363	178	380194	36.616	ng	99
72) Anthracene	11.416	178	97605	9.497	ng	100
73) Carbazole	11.569	167	30128	3.156	ng	94
75) Fluoranthene	12.557	202	449019	41.370	ng	96
78) Pyrene	12.786	202	445123	41.171	ng	100
81) Benzo(a)anthracene	13.974	228	164574	18.169	ng	94
83) Chrysene	14.010	228	142646m	16.518	ng	
85) Di-n-octyl phthalate	14.621	149	191349	21.524	ng	# 49
87) Indeno(1,2,3-cd)pyrene	16.915	276	41470	6.418	ng	# 86
88) Benzo(b)fluoranthene	15.027	252	121569m	17.746	ng	
89) Benzo(k)fluoranthene	15.051	252	35954m	5.579	ng	
90) Benzo(a)pyrene	15.392	252	91326	16.962	ng	97
91) Dibenzo(a,h)anthracene	16.921	278	12972	2.420	ng	# 66
92) Benzo(g,h,i)perylene	17.356	276	45211	8.511	ng	# 92

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

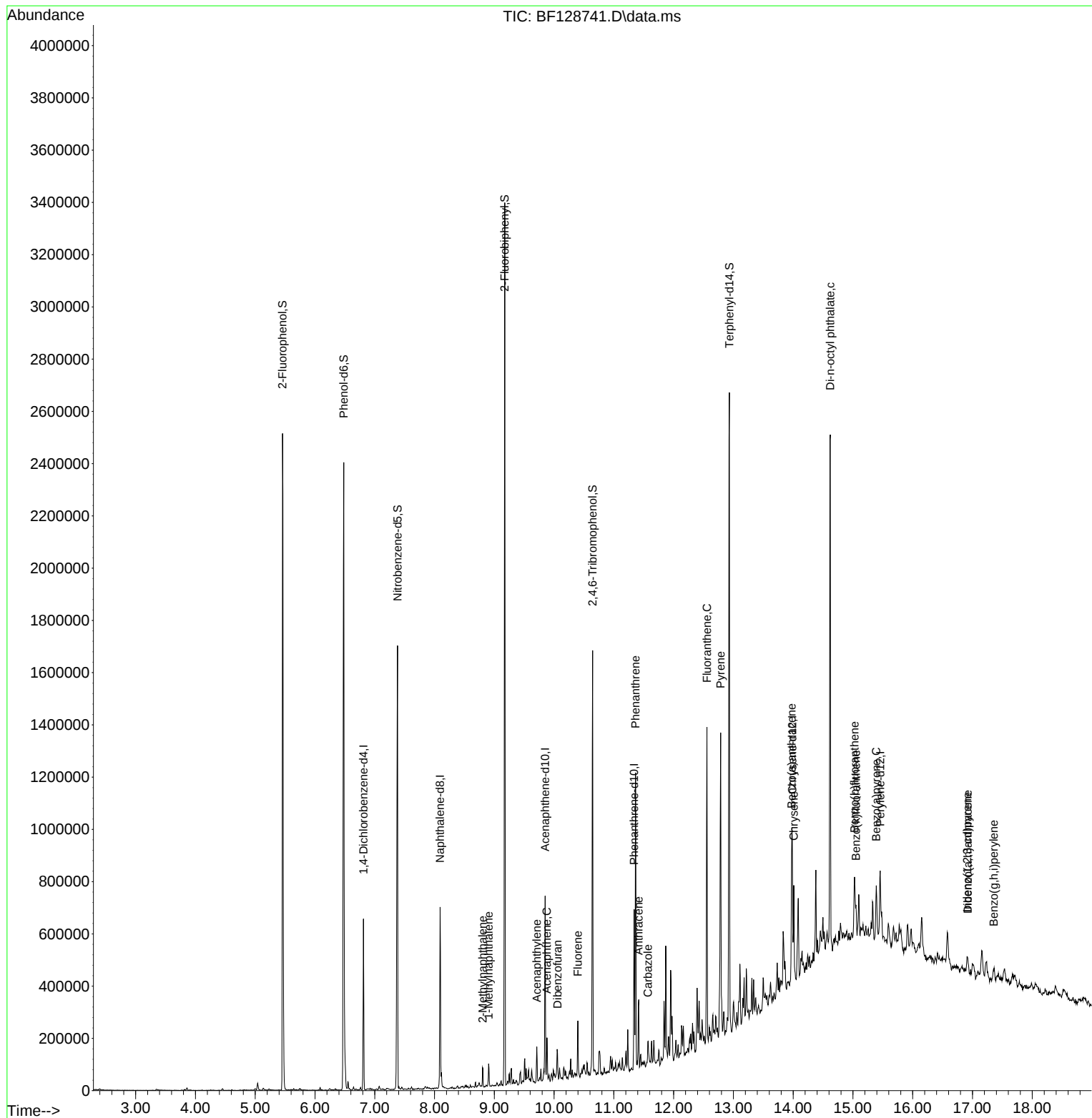
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
Data File : BF128741.D
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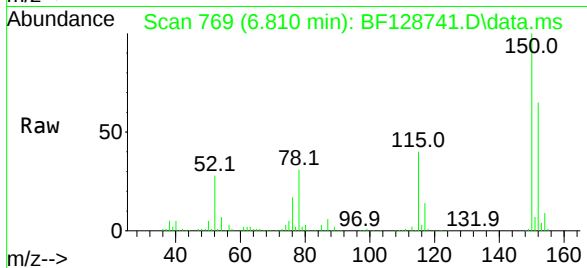
Quant Time: Jun 09 03:17:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

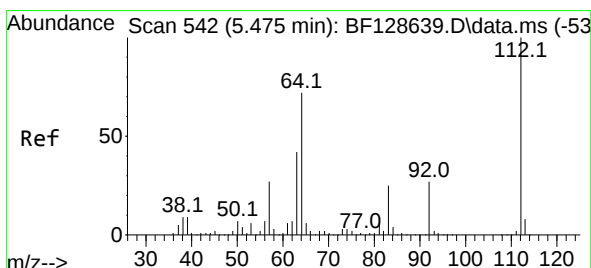
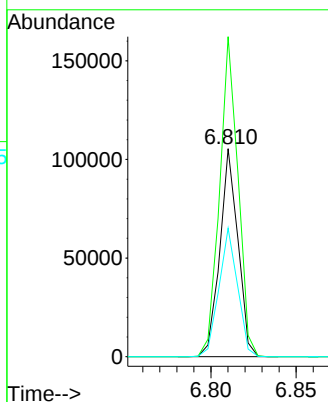
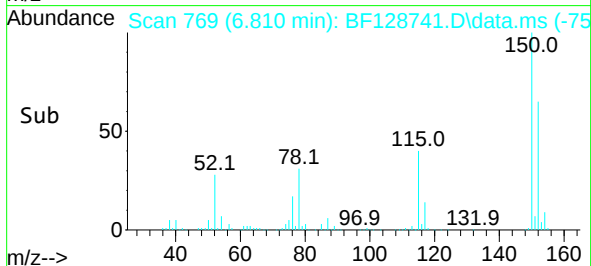
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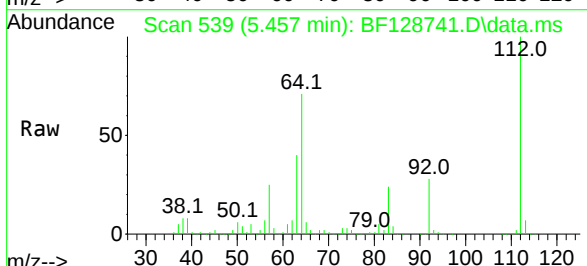
Tgt Ion:152 Resp: 77925
Ion Ratio Lower Upper
152 100
150 153.8 123.7 185.5
115 61.8 49.9 74.9

Manual Integrations
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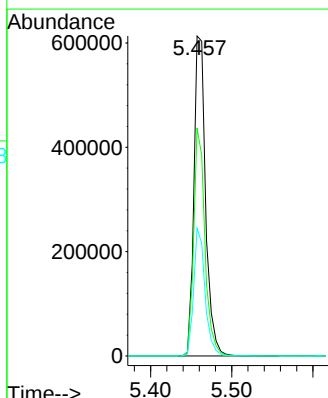
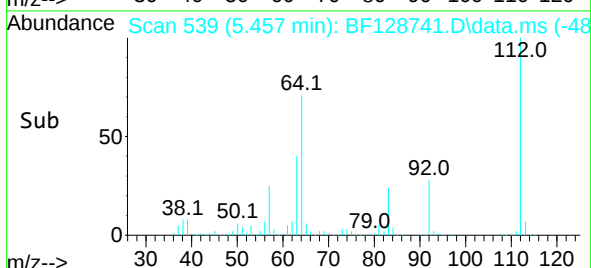
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

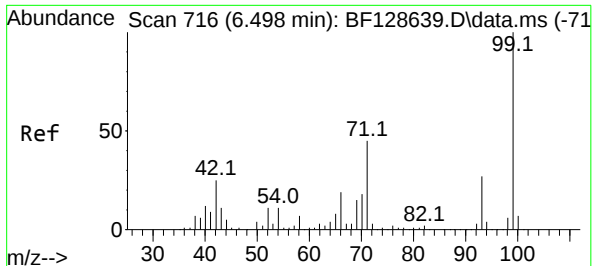


#5
2-Fluorophenol
Concen: 126.401 ng
RT: 5.457 min Scan# 539
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



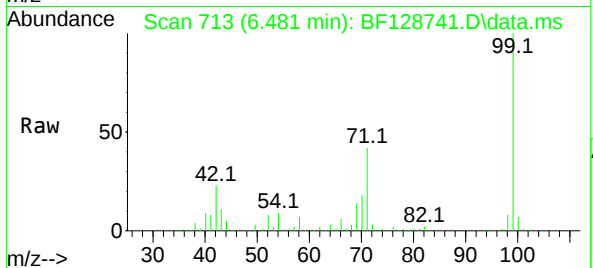
Tgt Ion:112 Resp: 618381
Ion Ratio Lower Upper
112 100
64 71.2 53.3 79.9
63 39.9 28.0 42.0





#7
Phenol-d6
Concen: 126.957 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

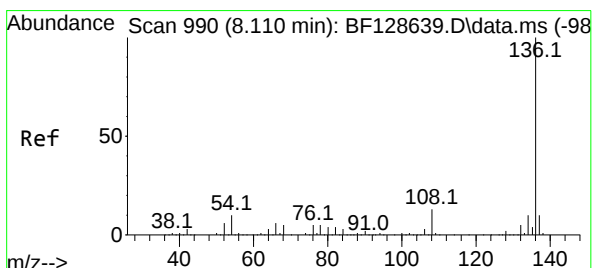
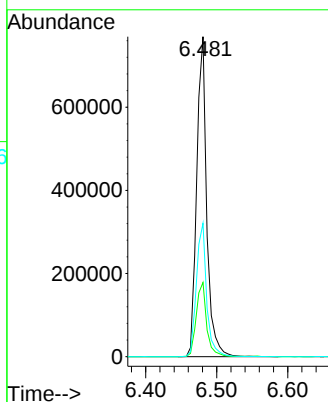
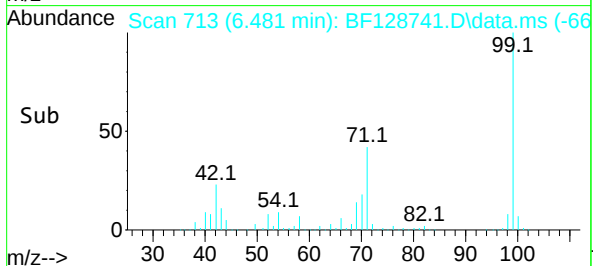
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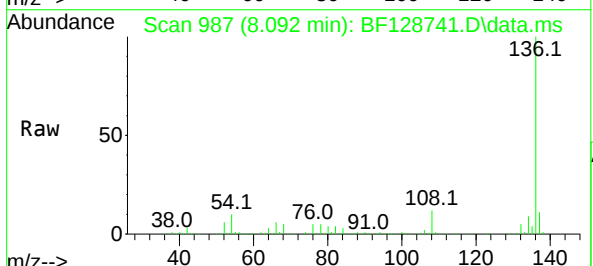
Tgt Ion: 99 Resp: 75816
Ion Ratio Lower Upper
99 100
42 23.2 17.3 25.9
71 41.7 28.9 43.3

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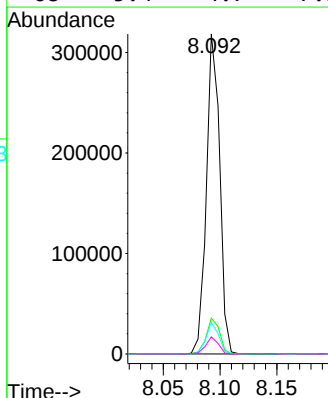
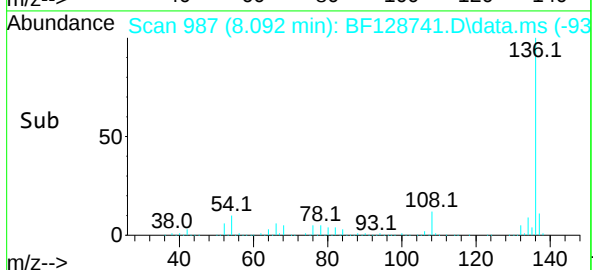
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



Tgt Ion:136 Resp: 258648
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.8 7.5 11.3
68 5.4 4.7 7.1





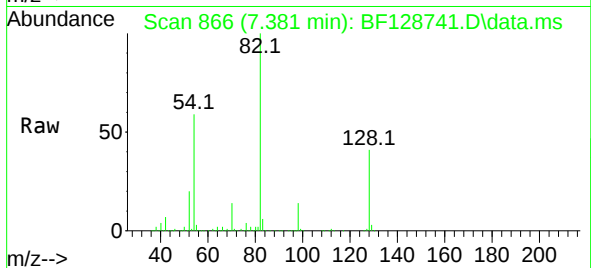
#23
Nitrobenzene-d5
Concen: 95.060 ng
RT: 7.381 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

ClientSampleId :

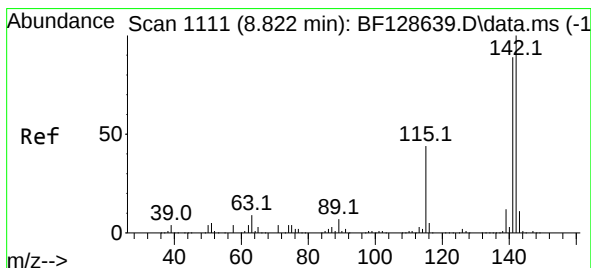
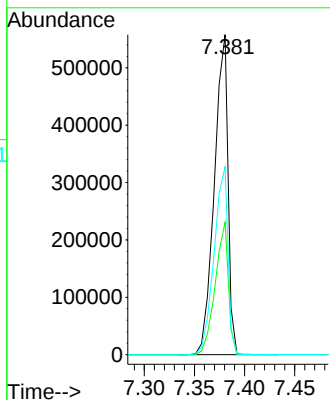
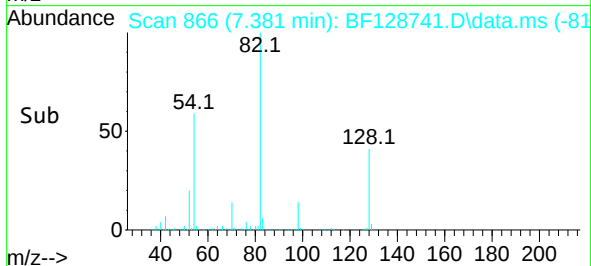
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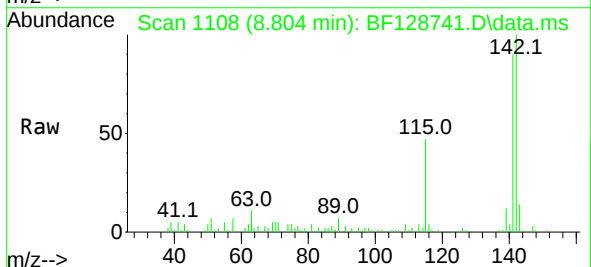
Tgt Ion: 82 Resp: 52809
Ion Ratio Lower Upper
82 100
128 41.4 34.0 51.0
54 58.7 46.9 70.3

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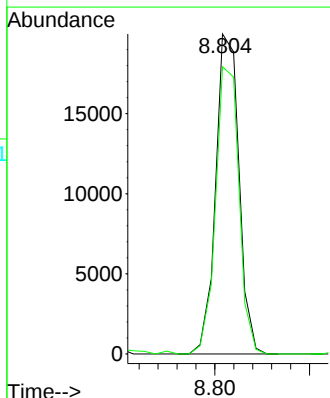
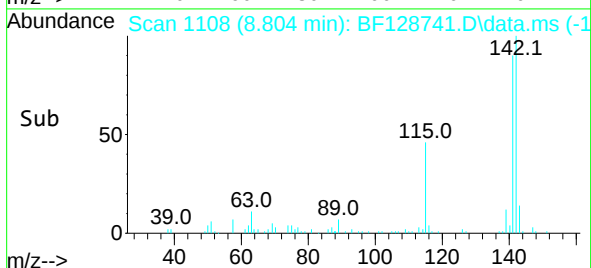
Reviewed By :Christian Giraldo 06/09/2022
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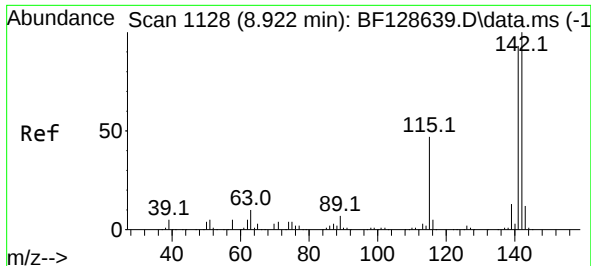


#37
2-Methylnaphthalene
Concen: 2.023 ng
RT: 8.804 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



Tgt Ion:142 Resp: 17081
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.4





#38
1-Methylnaphthalene
Concen: 2.299 ng
RT: 8.904 min Scan# 1128
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

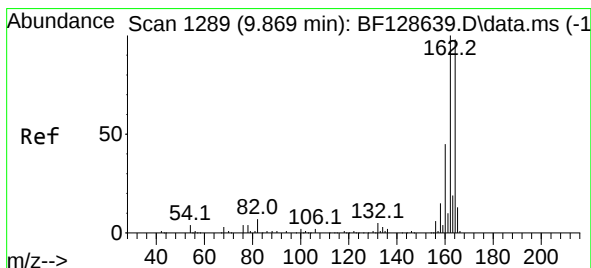
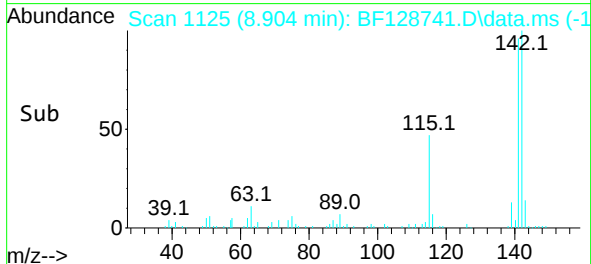
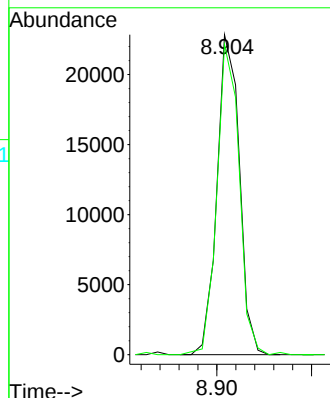
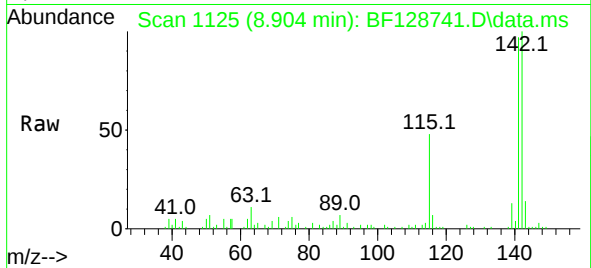
ClientSampleId :

OK-01-06062022

Tgt Ion:142 Resp: 1875
Ion Ratio Lower Upper
142 100
141 97.0 74.2 111.4

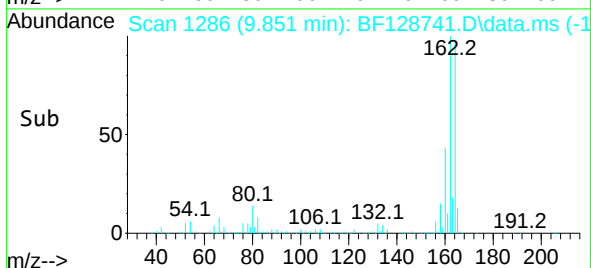
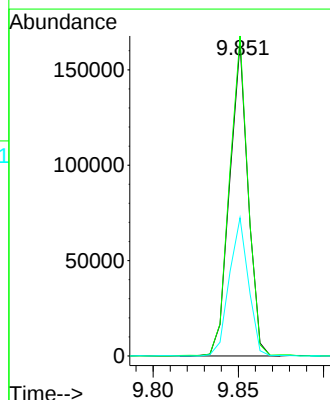
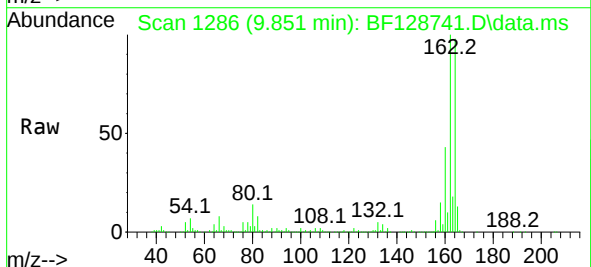
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Tgt Ion:164 Resp: 124212
Ion Ratio Lower Upper
164 100
162 102.1 79.5 119.3
160 44.1 34.2 51.4





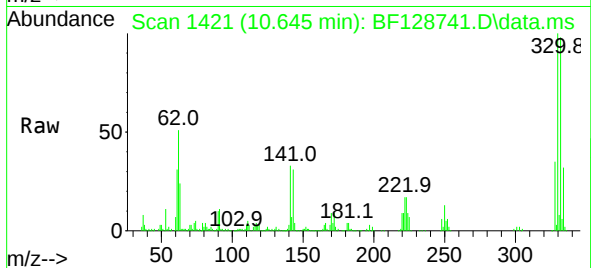
#42
2,4,6-Tribromophenol
Concen: 115.966 ng
RT: 10.645 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022

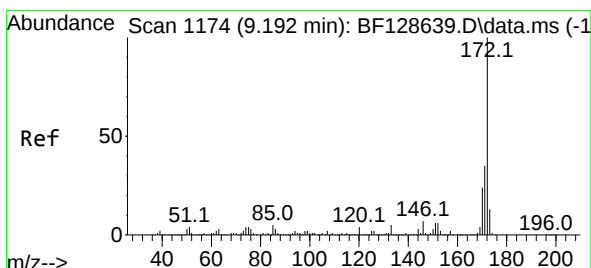
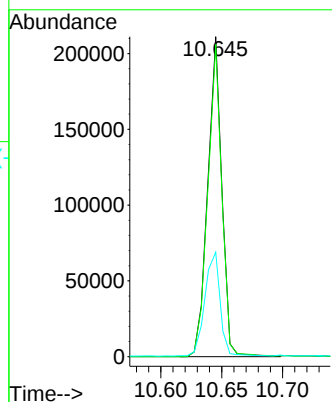
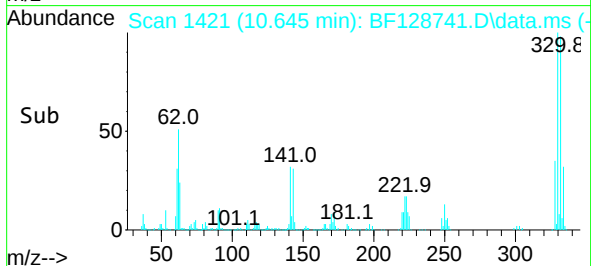


Tgt Ion:330 Resp: 17019
Ion Ratio Lower Upper
330 100
332 97.6 76.8 115.2
141 35.4 28.0 42.0

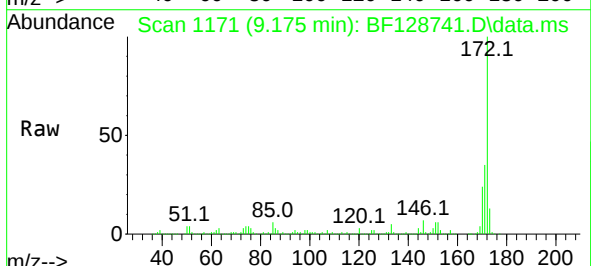
Manual Integrations

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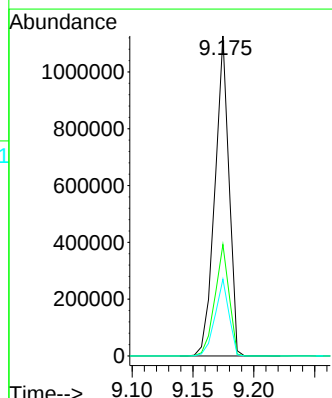
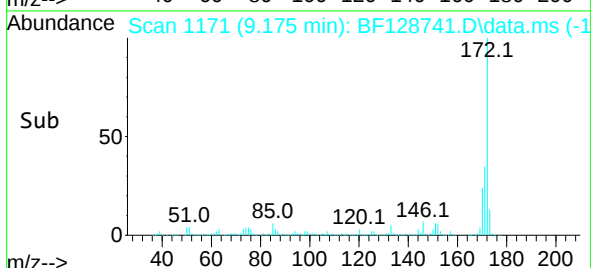
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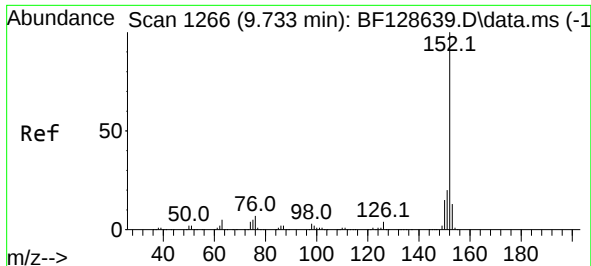


#45
2-Fluorobiphenyl
Concen: 101.925 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



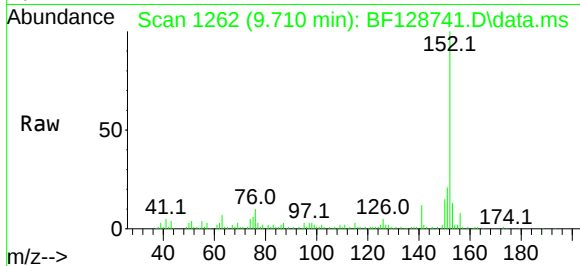
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Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.0 19.8 29.8





#49
Acenaphthylene
Concen: 3.896 ng
RT: 9.710 min Scan# 1262
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

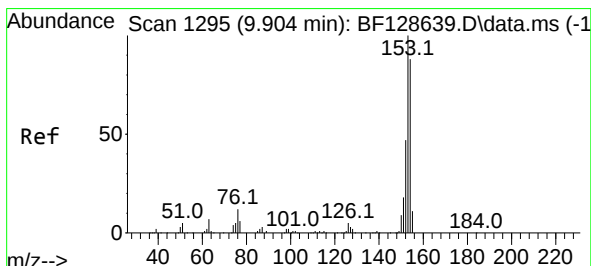
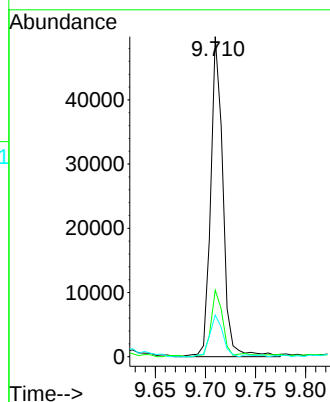
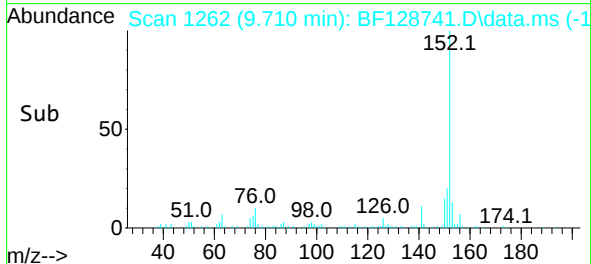
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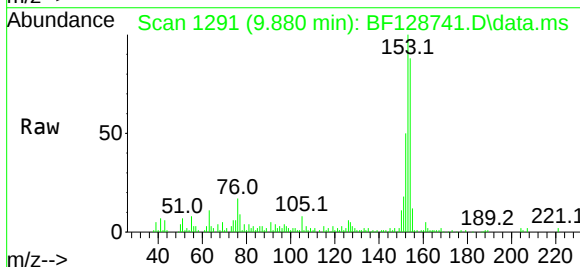
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Ion Ratio Lower Upper
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151 20.8 16.2 24.4
153 13.0 10.7 16.1

Manual Integrations
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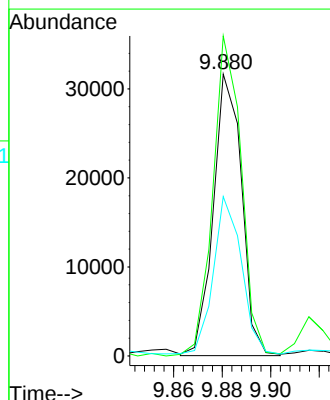
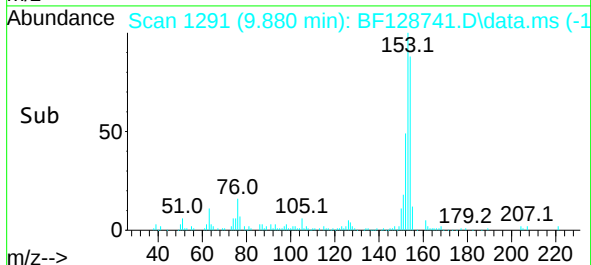
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Supervised By :Jagrut Upadhyay 06/09/2022

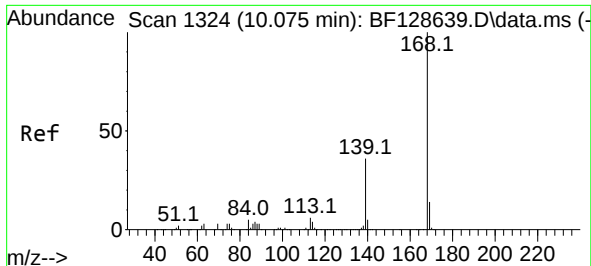


#52
Acenaphthene
Concen: 3.607 ng m
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



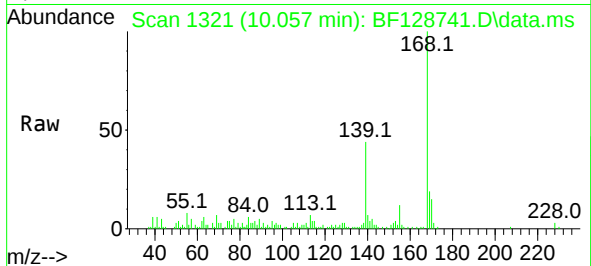
Tgt Ion:154 Resp: 25570
Ion Ratio Lower Upper
154 100
153 113.5 89.6 134.4
152 56.6 42.4 63.6





#55
Dibenzenofuran
Concen: 2.755 ng m
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

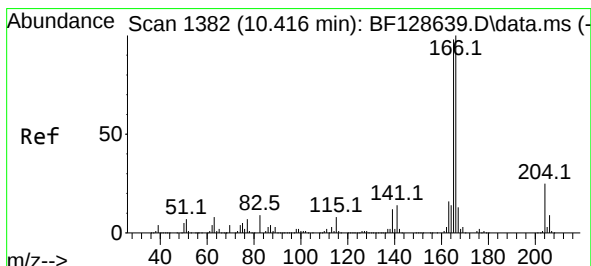
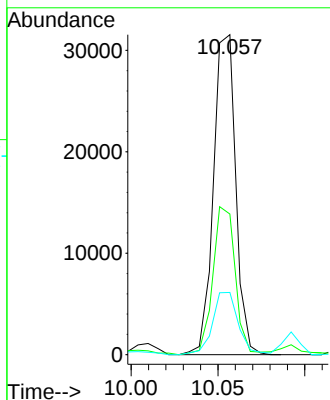
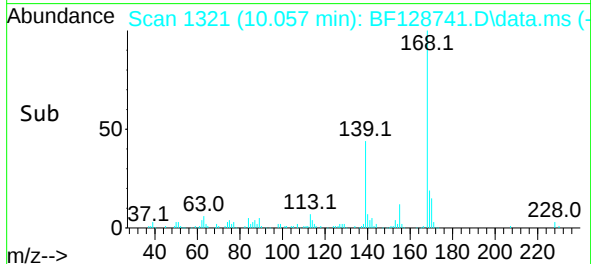
Instrument :
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OK-01-06062022



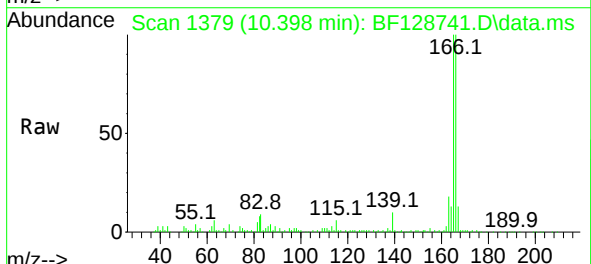
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Ion Ratio Lower Upper
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139 43.9 30.6 46.0
169 19.4 11.0 16.6

Manual Integrations
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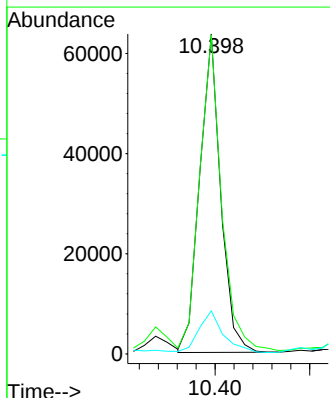
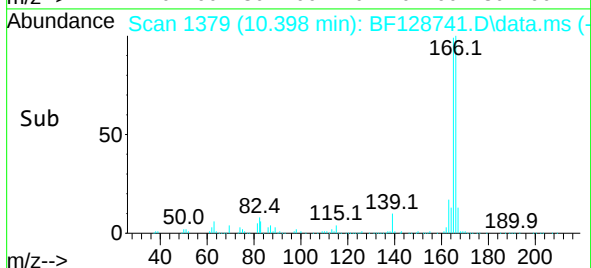
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

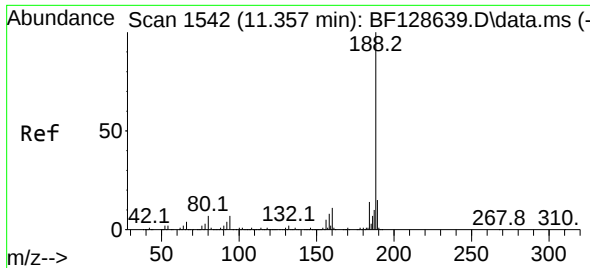


#58
Fluorene
Concen: 6.202 ng
RT: 10.398 min Scan# 1379
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



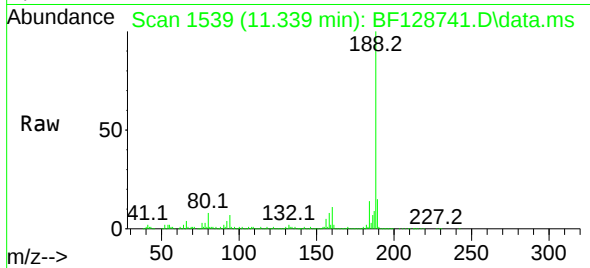
Tgt Ion:166 Resp: 49005
Ion Ratio Lower Upper
166 100
165 99.7 78.1 117.1
167 13.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

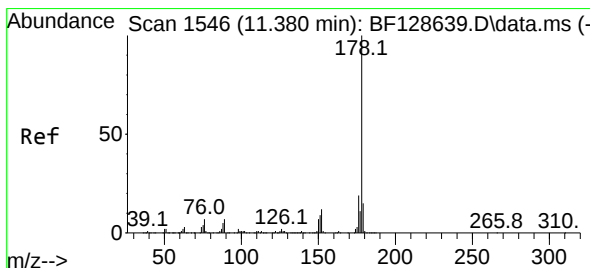
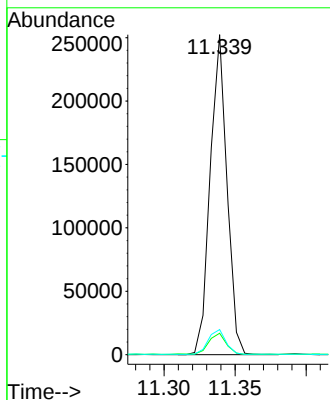
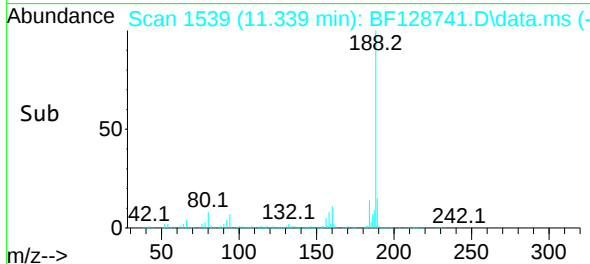
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



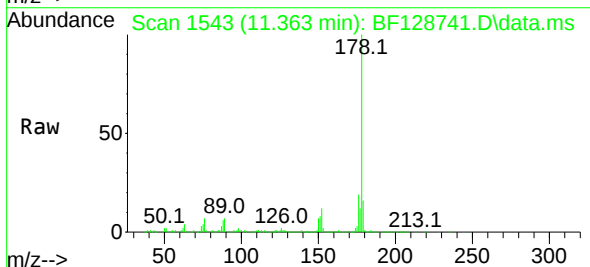
Tgt Ion:188 Resp: 207014
Ion Ratio Lower Upper
188 100
94 6.7 7.0 10.6
80 7.9 7.6 11.4

Manual Integrations
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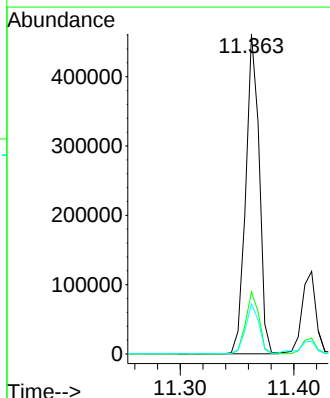
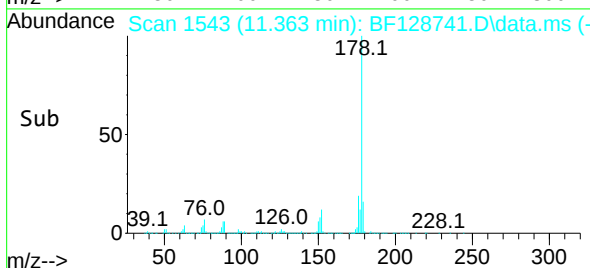
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

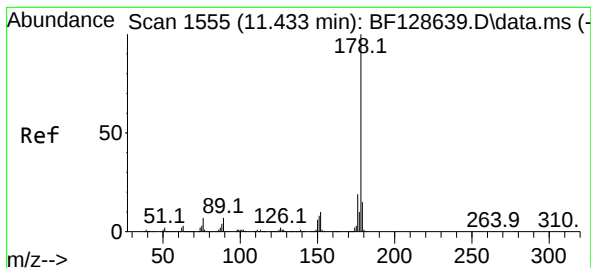


#71
Phenanthrene
Concen: 36.616 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



Tgt Ion:178 Resp: 380194
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.7 12.6 19.0





#72

Anthracene

Concen: 9.497 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128741.D

Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022

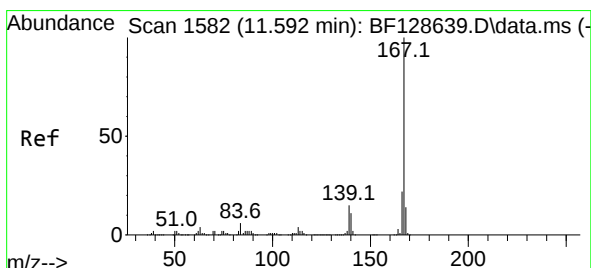
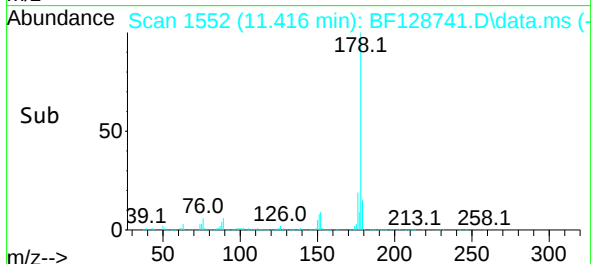
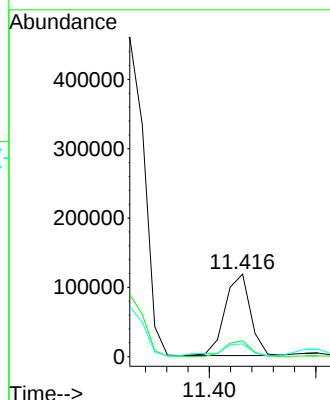
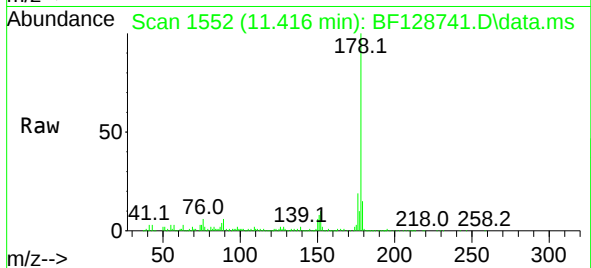
Tgt Ion:178 Resp: 97609
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.4 12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#73

Carbazole

Concen: 3.156 ng

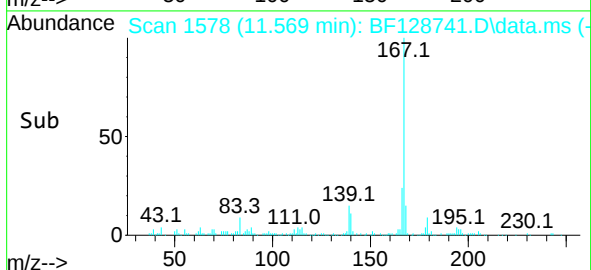
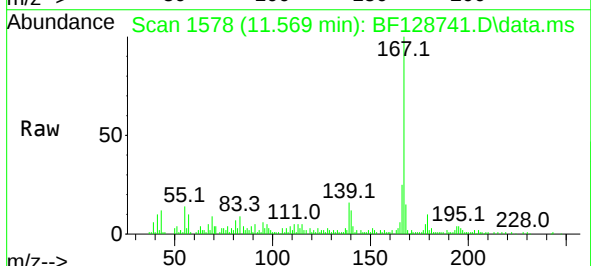
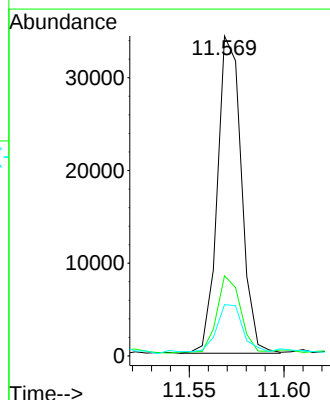
RT: 11.569 min Scan# 1578

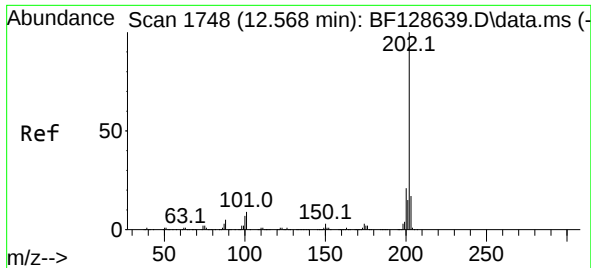
Delta R.T. -0.012 min

Lab File: BF128741.D

Acq: 08 Jun 2022 18:10

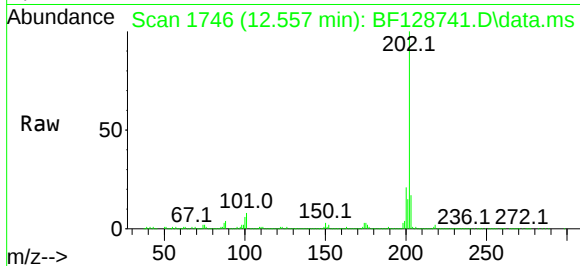
Tgt Ion:167 Resp: 30128
 Ion Ratio Lower Upper
 167 100
 166 25.1 17.7 26.5
 139 16.0 11.2 16.8





#75
Fluoranthene
Concen: 41.370 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

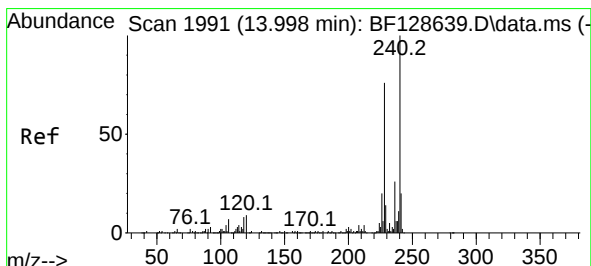
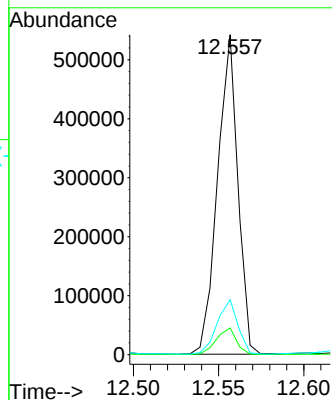
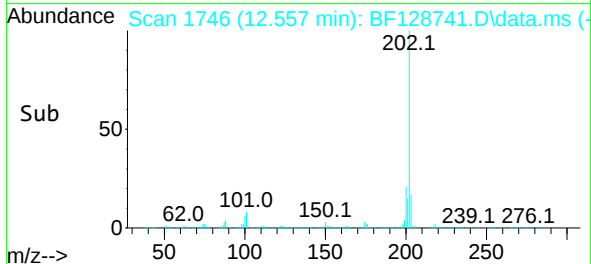
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



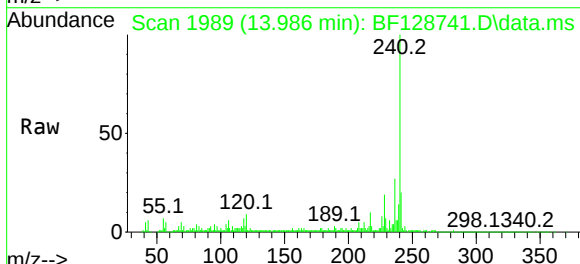
Tgt Ion:202 Resp: 449019
Ion Ratio Lower Upper
202 100
101 8.4 0.0 31.4
203 17.2 0.0 38.0

Manual Integrations
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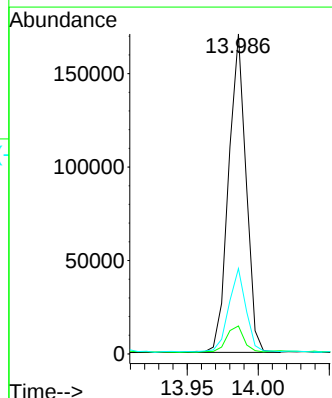
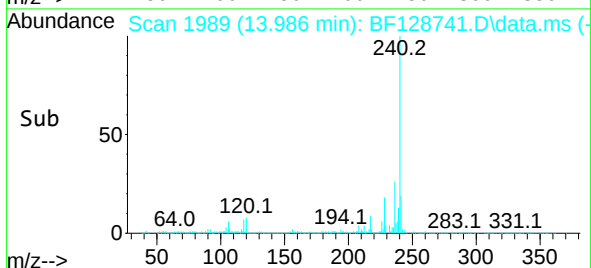
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

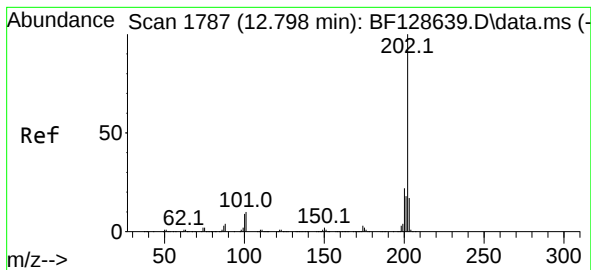


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



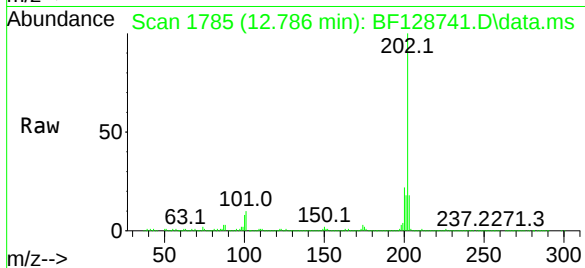
Tgt Ion:240 Resp: 145316
Ion Ratio Lower Upper
240 100
120 8.8 8.9 13.3#
236 26.7 20.8 31.2





#78
Pyrene
Concen: 41.171 ng
RT: 12.786 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

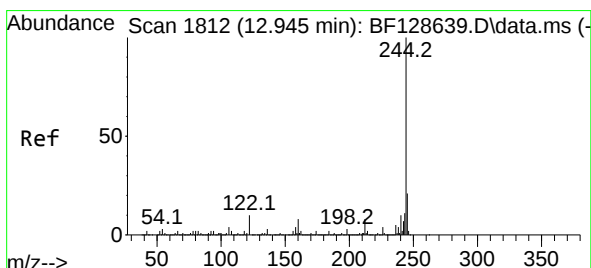
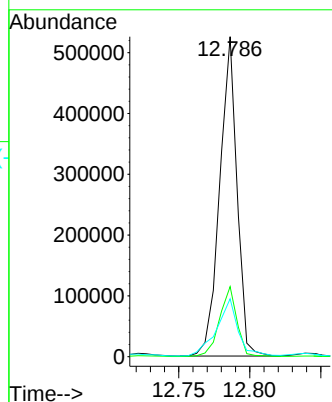
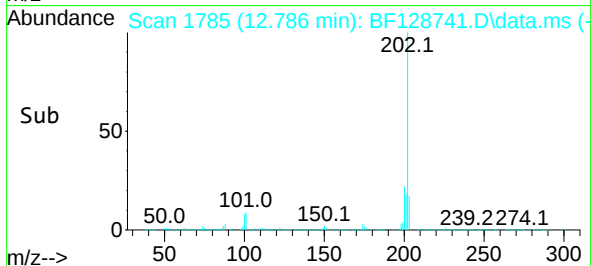
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



Tgt Ion:202 Resp: 44512
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 18.1 14.6 21.8

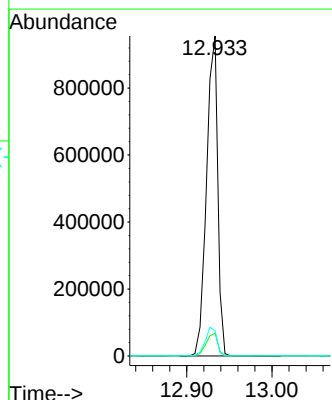
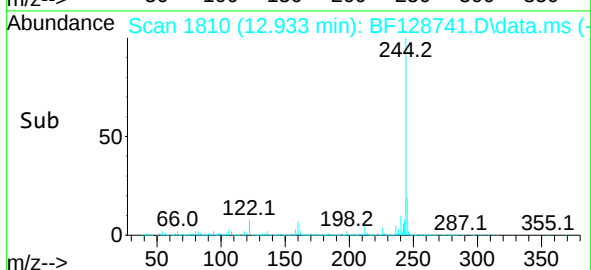
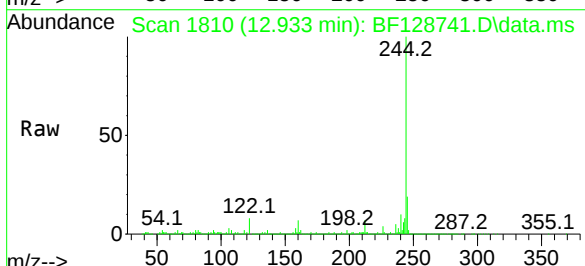
Manual Integrations
APPROVED

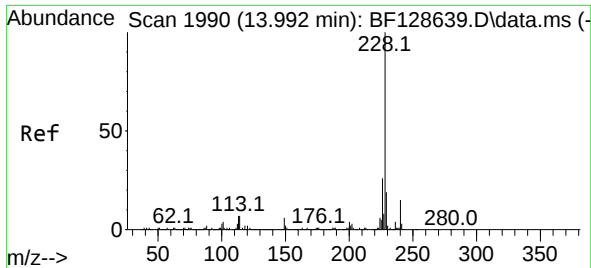
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#79
Terphenyl-d14
Concen: 104.220 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

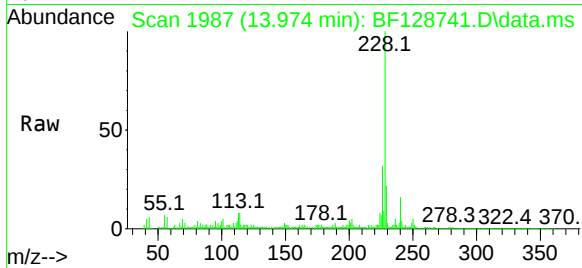
Tgt Ion:244 Resp: 871576
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 7.9 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 18.169 ng
RT: 13.974 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

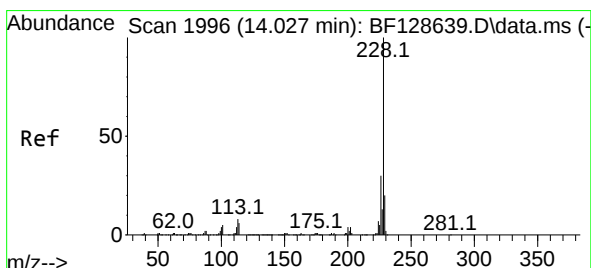
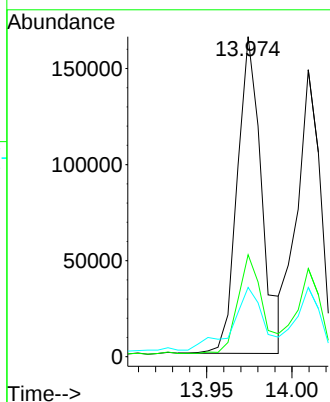
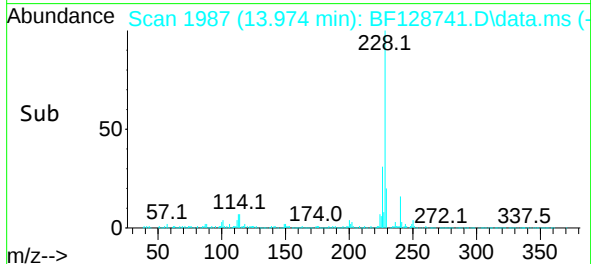
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



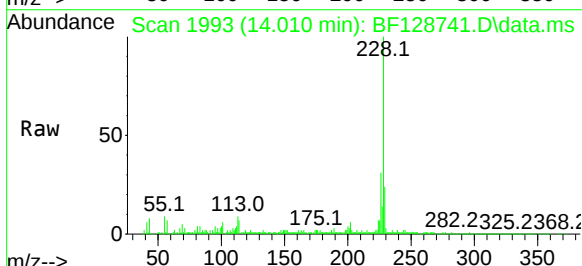
Tgt Ion:228 Resp: 164574
Ion Ratio Lower Upper
228 100
226 31.9 22.1 33.1
229 21.7 15.8 23.8

Manual Integrations
APPROVED

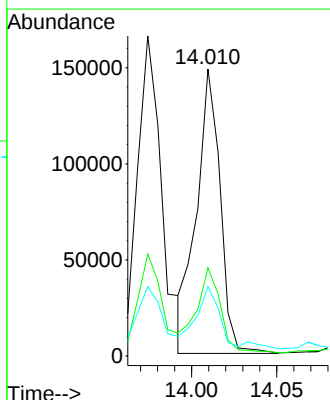
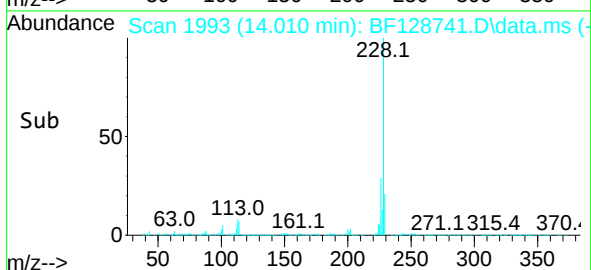
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

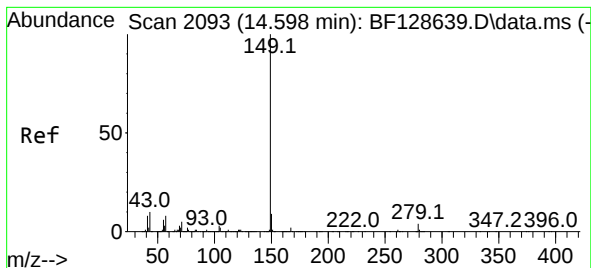


#83
Chrysene
Concen: 16.518 ng m
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



Tgt Ion:228 Resp: 142646
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 24.2 15.9 23.9#





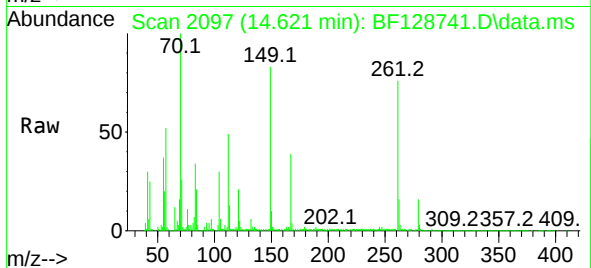
#85
Di-n-octyl phthalate
Concen: 21.524 ng
RT: 14.621 min Scan# 2097
Delta R.T. 0.041 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022

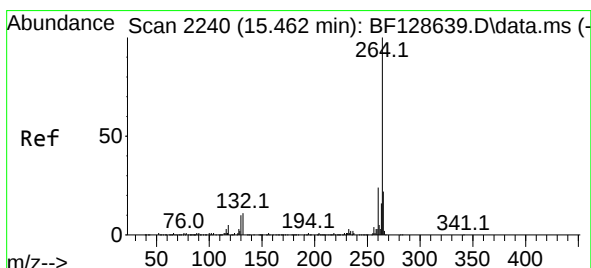
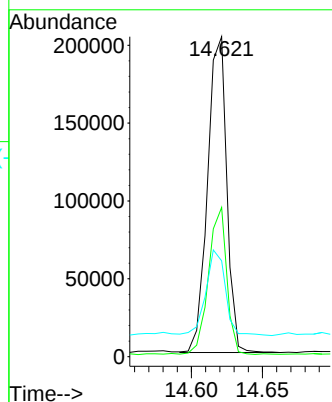
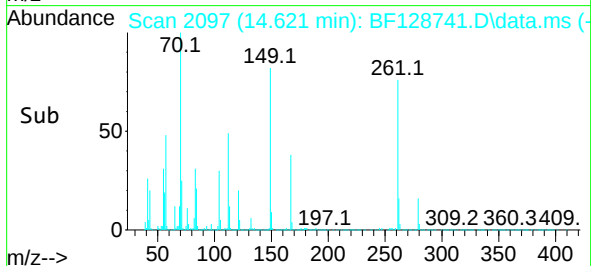


Tgt Ion:149 Resp: 191349
Ion Ratio Lower Upper
149 100
167 44.2 1.3 1.9
43 27.6 9.2 13.8

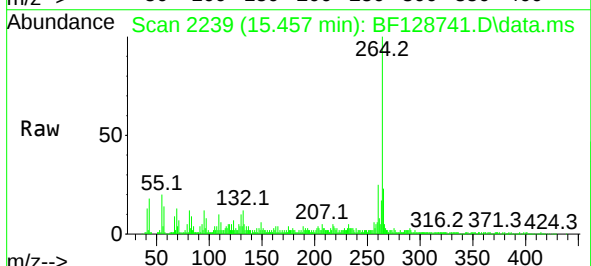
Manual Integrations

APPROVED

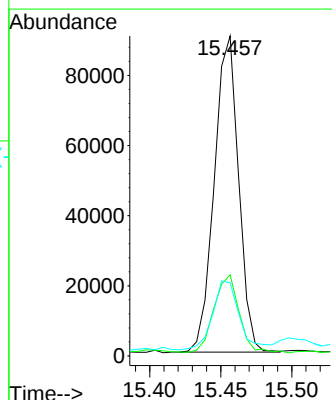
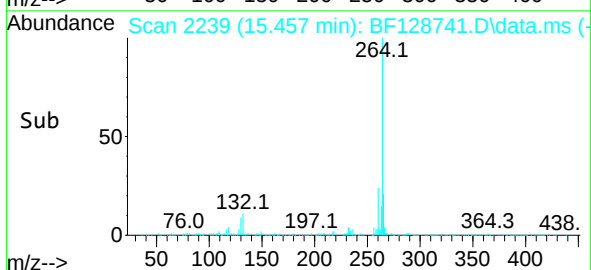
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

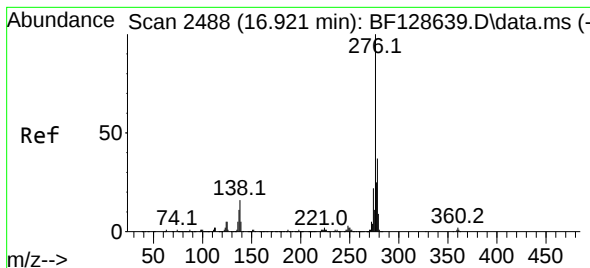


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2239
Delta R.T. 0.011 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10



Tgt Ion:264 Resp: 107209
Ion Ratio Lower Upper
264 100
260 25.3 18.4 27.6
265 22.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.418 ng

RT: 16.915 min Scan# 2488

Delta R.T. 0.017 min

Lab File: BF128741.D

Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022

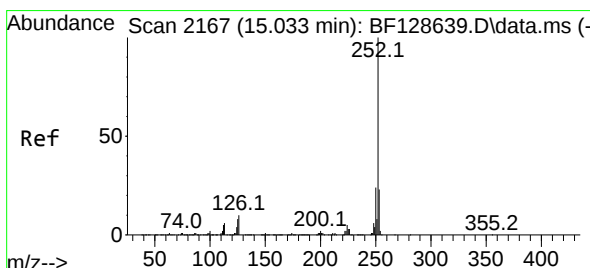
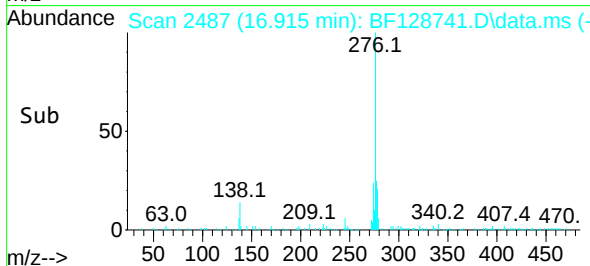
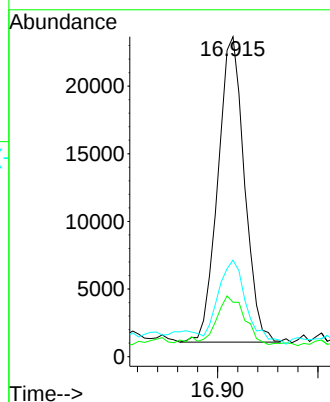
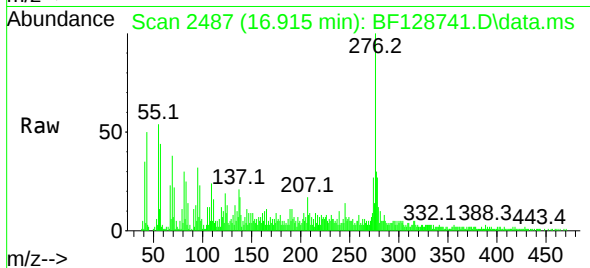
Tgt Ion:	276	Resp:	41470
Ion Ratio	Lower	Upper	
276	100		
138	16.6	21.1	31.7
277	29.3	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#88

Benzo(b)fluoranthene

Concen: 17.746 ng m

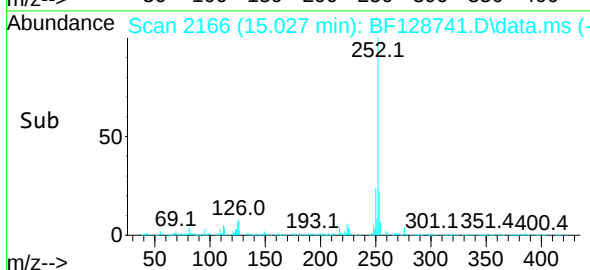
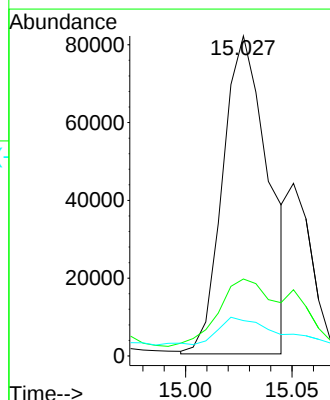
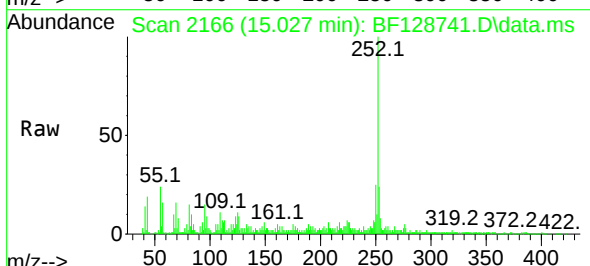
RT: 15.027 min Scan# 2166

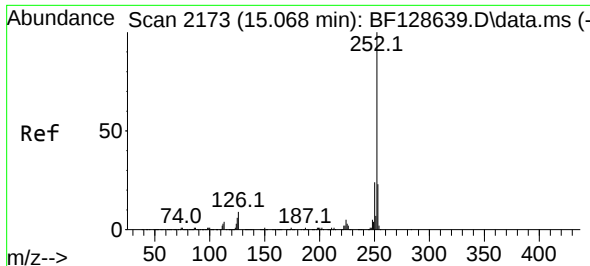
Delta R.T. 0.006 min

Lab File: BF128741.D

Acq: 08 Jun 2022 18:10

Tgt Ion:	252	Resp:	121569
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.7	26.5
125	11.0	8.0	12.0





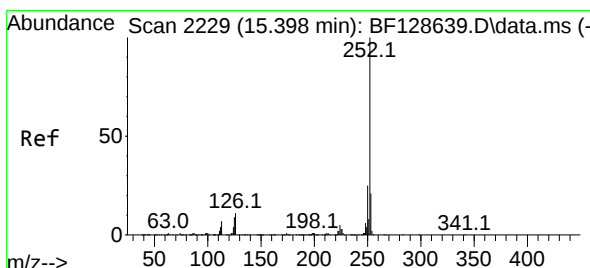
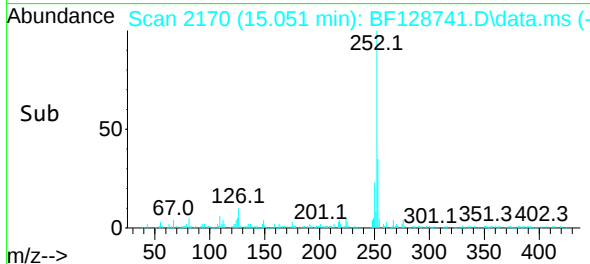
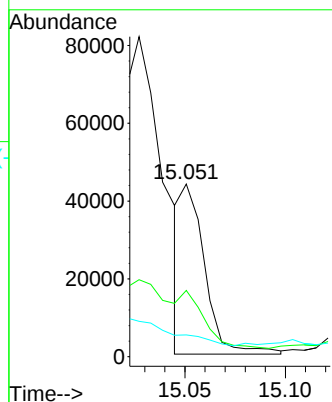
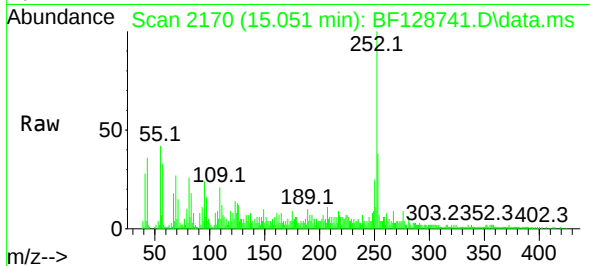
#89
Benzo(k)fluoranthene
Concen: 5.579 ng m
RT: 15.051 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Instrument :
BNA_F
ClientSampleId :
OK-01-06062022

Tgt Ion:252 Resp: 35954
Ion Ratio Lower Upper
252 100
253 38.4 17.8 26.6
125 12.6 8.3 12.5

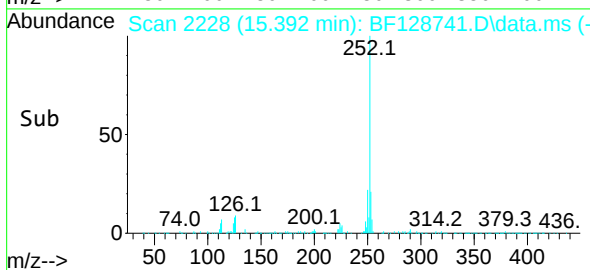
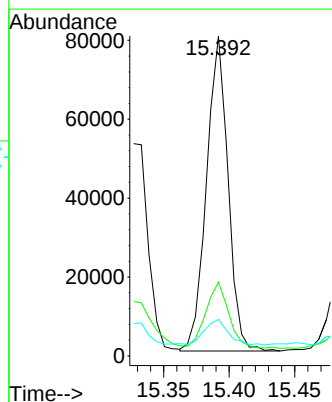
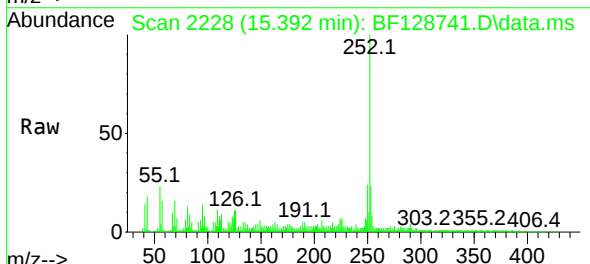
Manual Integrations
APPROVED

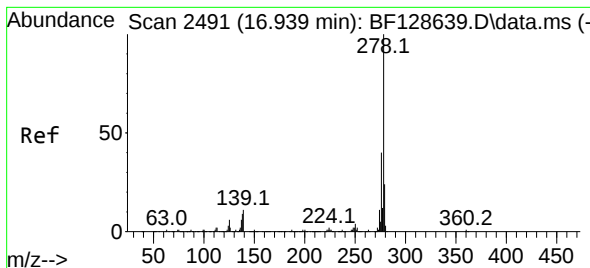
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#90
Benzo(a)pyrene
Concen: 16.962 ng
RT: 15.392 min Scan# 2228
Delta R.T. 0.006 min
Lab File: BF128741.D
Acq: 08 Jun 2022 18:10

Tgt Ion:252 Resp: 91326
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 11.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.420 ng

RT: 16.921 min Scan# 2491

Delta R.T. 0.006 min

Lab File: BF128741.D

Acq: 08 Jun 2022 18:10

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022

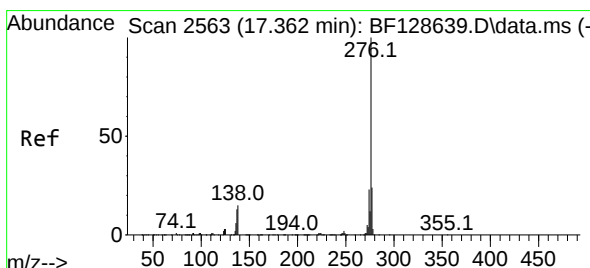
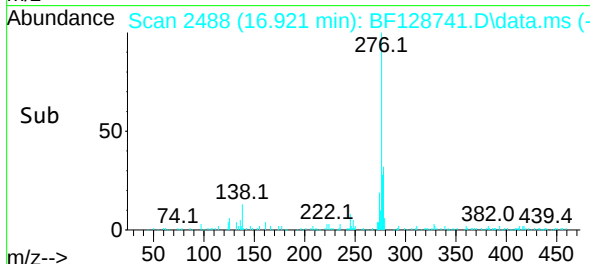
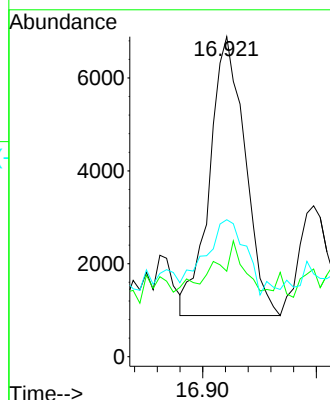
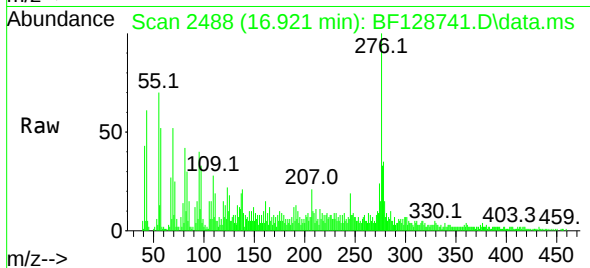
Tgt Ion:	278	Resp:	1297
Ion Ratio	Lower	Upper	
278	100		
139	26.7	12.8	19.2
279	42.8	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/09/2022

Supervised By :Jagrut Upadhyay 06/09/2022



#92

Benzo(g,h,i)perylene

Concen: 8.511 ng

RT: 17.356 min Scan# 2562

Delta R.T. 0.017 min

Lab File: BF128741.D

Acq: 08 Jun 2022 18:10

Tgt Ion:	276	Resp:	45211
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.1	28.7
138	17.2	18.0	27.0

