

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030422\
 Data File : BF127212.D
 Acq On : 04 Mar 2022 20:35
 Operator : CG\JU
 Sample : N1785-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-030322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/07/2022
 Supervised By : Jagrut Upadhyay 03/07/2022

Quant Time: Mar 05 02:22:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	108963	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	435561	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	186979	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	281199	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	162068	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	167606	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	59227	8.401	ng	0.00
7) Phenol-d6	6.498	99	151213	15.895	ng	-0.02
23) Nitrobenzene-d5	7.440	82	109235	11.320	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	2316	1.076	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	179653	14.145	ng	0.00
79) Terphenyl-d14	12.998	244	125396	11.374	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	130655	5.746	ng	99
37) 2-Methylnaphthalene	8.875	142	44347	3.006	ng	98
38) 1-Methylnaphthalene	8.969	142	29104	2.060	ng	100
58) Fluorene	10.469	166	30533m	2.456	ng	
71) Phenanthrene	11.433	178	207610	13.191	ng	99
72) Anthracene	11.486	178	44638	2.849	ng	97
75) Fluoranthene	12.627	202	129948	8.695	ng	92
78) Pyrene	12.863	202	123623	8.780	ng	99
81) Benzo(a)anthracene	14.045	228	50370	4.610	ng	94
83) Chrysene	14.080	228	47323m	4.606	ng	
88) Benzo(b)fluoranthene	15.110	252	52103m	4.628	ng	
90) Benzo(a)pyrene	15.480	252	40757	4.635	ng	95
92) Benzo(g,h,i)perylene	17.509	276	25095	2.800	ng	# 92

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

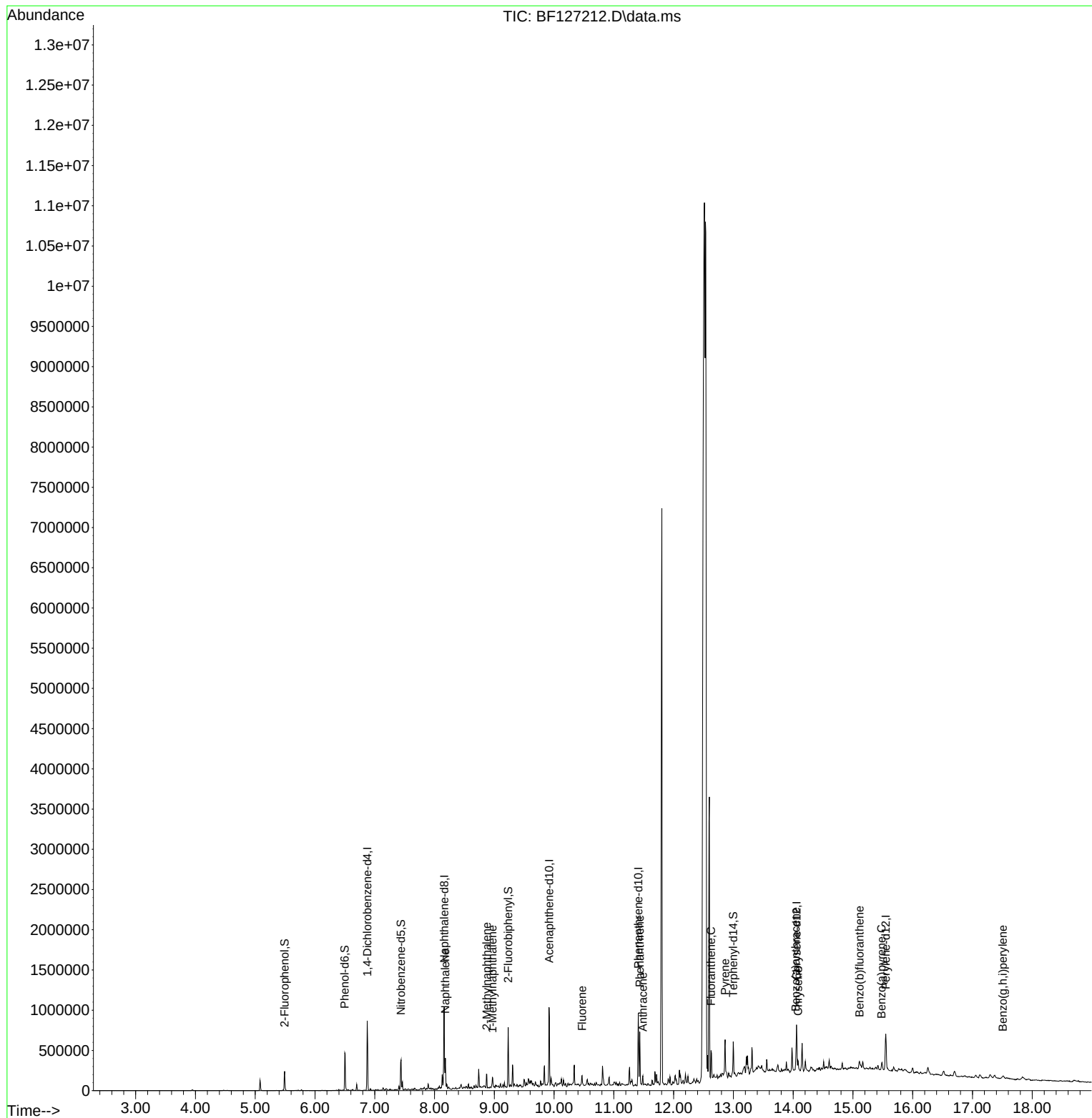
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030422\
Data File : BF127212.D
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Operator : CG\JU
Sample : N1785-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

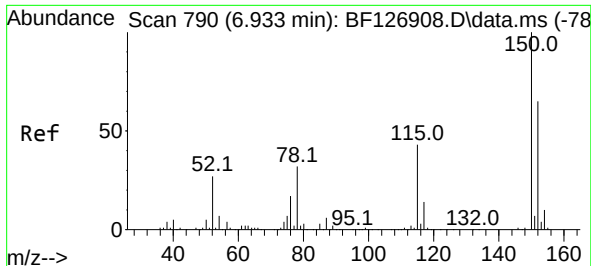
Instrument :
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Quant Time: Mar 05 02:22:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
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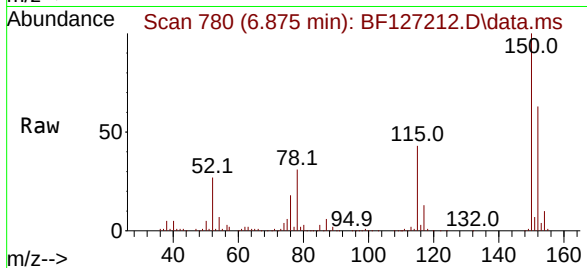
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :

BNA_F

ClientSampleId :

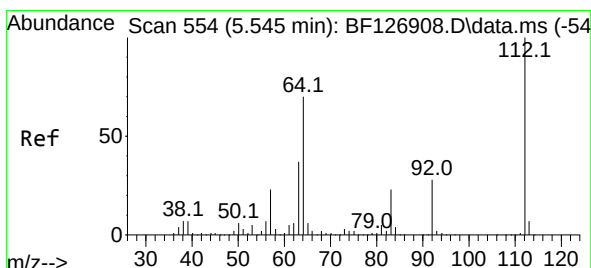
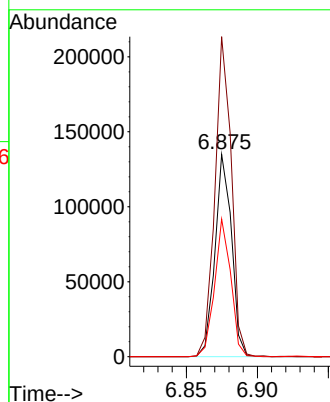
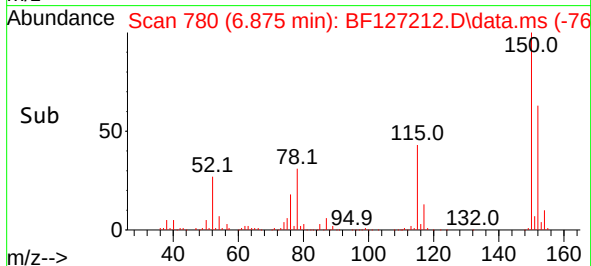
TR-4-030322



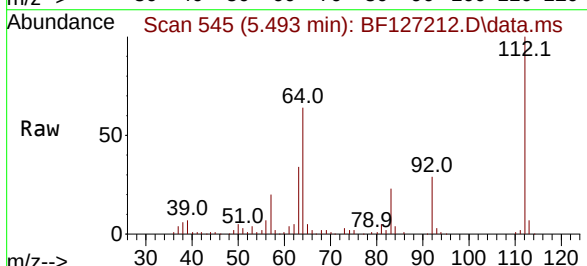
Tgt Ion:152 Resp: 10896
Ion Ratio Lower Upper
152 100
150 158.2 128.1 192.1
115 68.0 56.7 85.1

Manual Integrations
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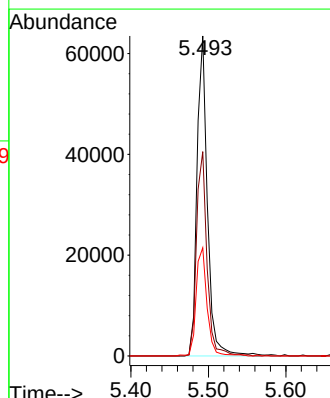
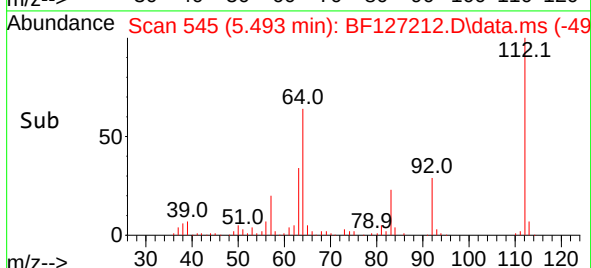
Reviewed By :Christian Giraldo 03/07/2022
Supervised By :Jagrut Upadhyay 03/07/2022

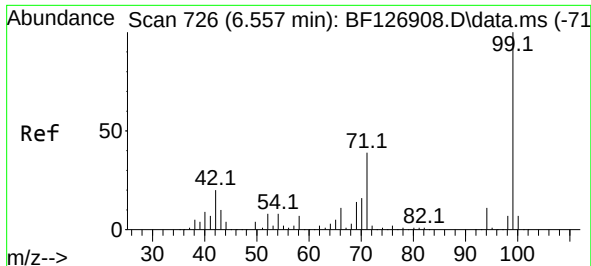


#5
2-Fluorophenol
Concen: 8.401 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35



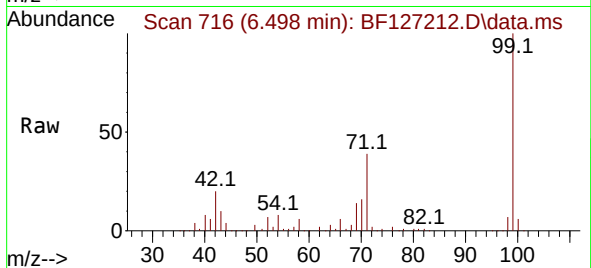
Tgt Ion:112 Resp: 59227
Ion Ratio Lower Upper
112 100
64 63.9 49.5 74.3
63 33.8 23.9 35.9





#7
Phenol-d6
Concen: 15.895 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

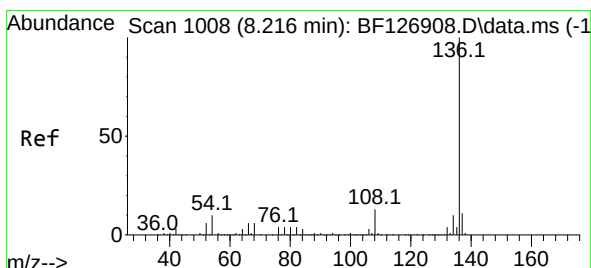
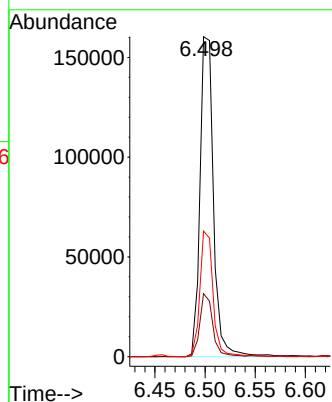
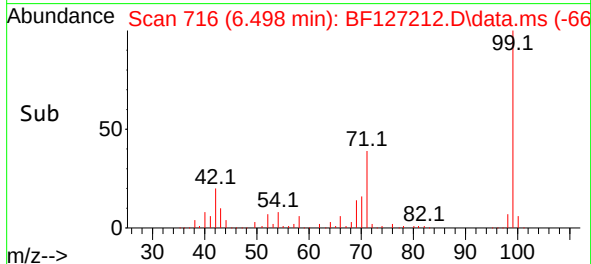
Instrument :
BNA_F
ClientSampleId :
TR-4-030322



Tgt Ion: 99 Resp: 15121
Ion Ratio Lower Upper
99 100
42 19.7 14.2 21.4
71 39.2 24.3 36.5

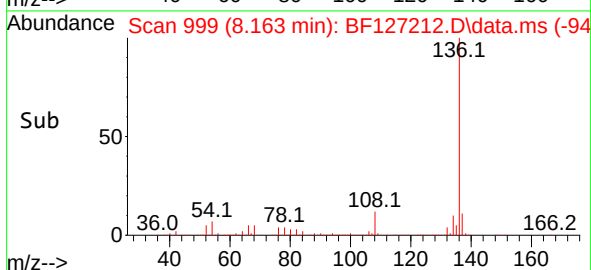
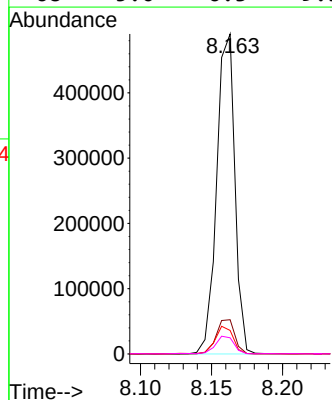
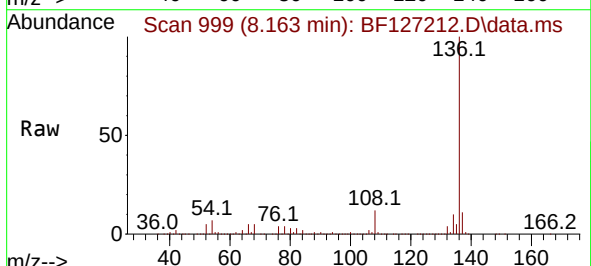
Manual Integrations
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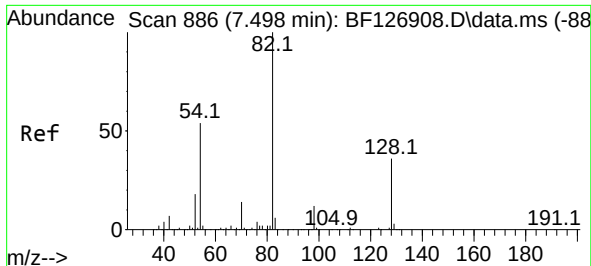
Reviewed By :Christian Giraldo 03/07/2022
Supervised By :Jagrut Upadhyay 03/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. -0.000 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Tgt Ion:136 Resp: 435561
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.3 7.8 11.6#
68 5.0 6.3 9.5#





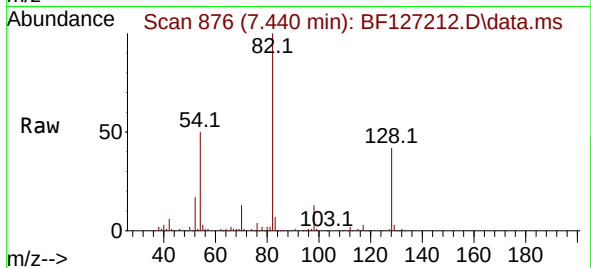
#23
Nitrobenzene-d5
Concen: 11.320 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :

BNA_F

ClientSampleId :

TR-4-030322

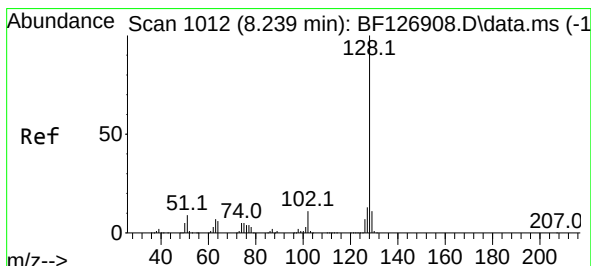
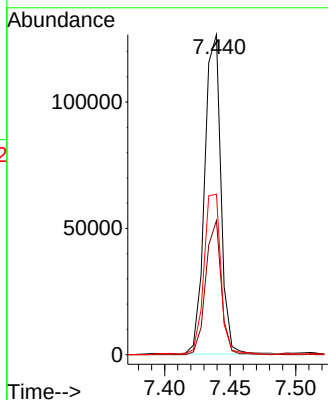
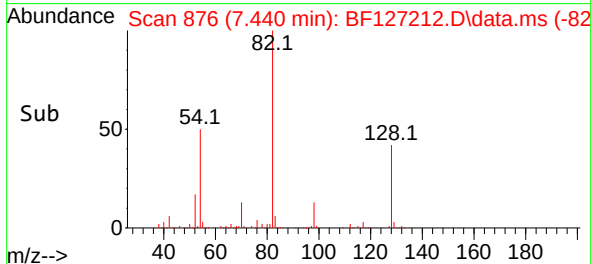


Tgt Ion: 82 Resp: 109235
Ion Ratio Lower Upper
82 100
128 41.9 32.7 49.1
54 50.2 41.7 62.5

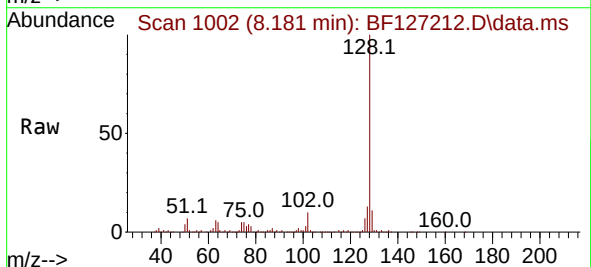
Manual Integrations

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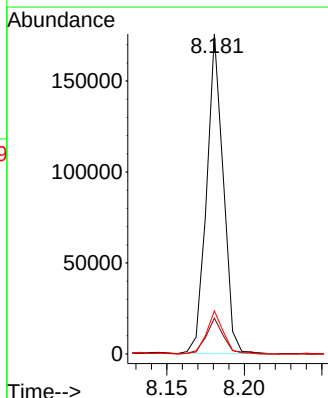
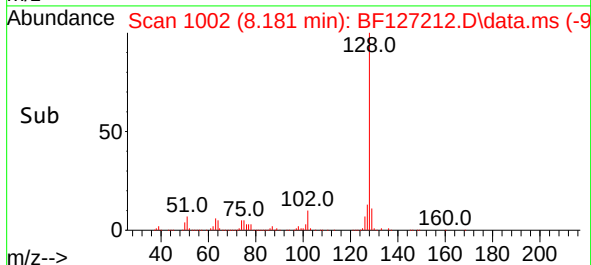
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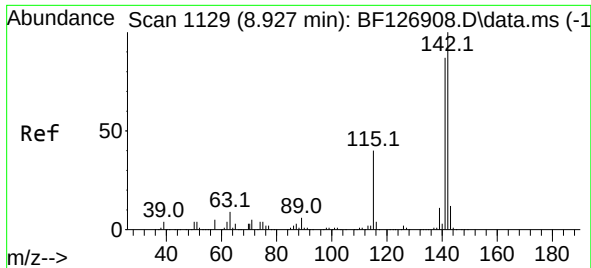


#31
Naphthalene
Concen: 5.746 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35



Tgt Ion:128 Resp: 130655
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.4 10.3 15.5





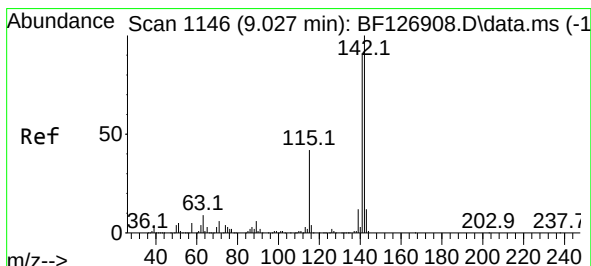
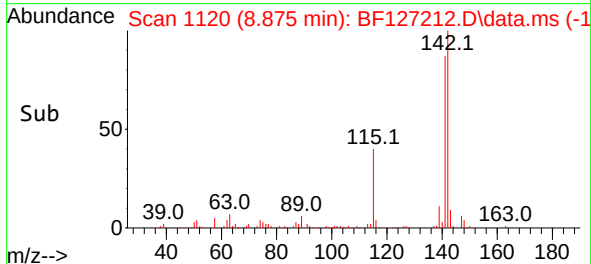
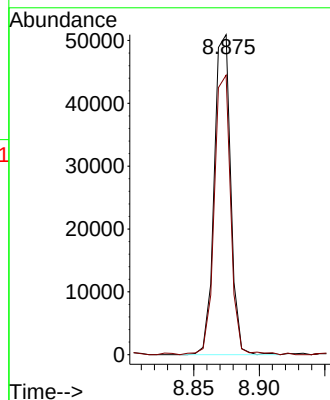
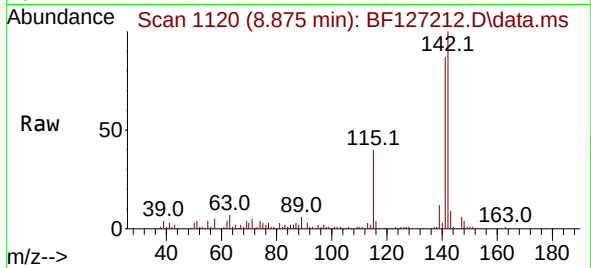
#37
2-Methylnaphthalene
Concen: 3.006 ng
RT: 8.875 min Scan# 1129
Delta R.T. -0.000 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :
BNA_F
ClientSampleId :
TR-4-030322

Tgt Ion:142 Resp: 4434
Ion Ratio Lower Upper
142 100
141 87.3 68.6 102.8

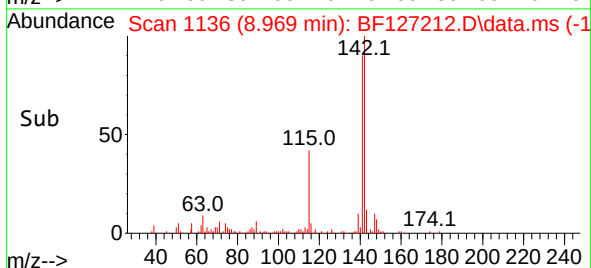
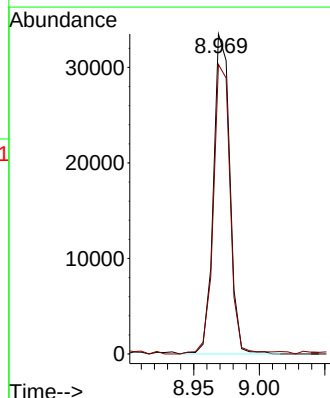
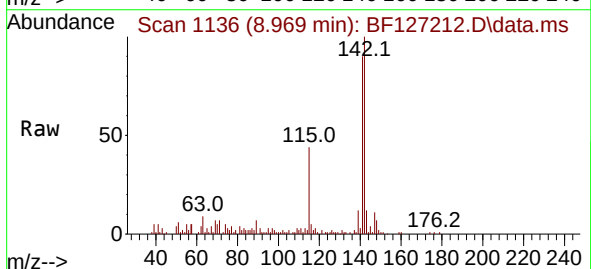
Manual Integrations
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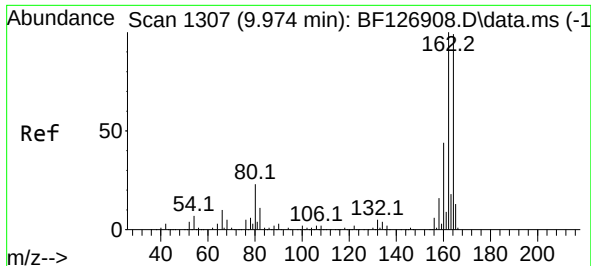
Reviewed By :Christian Giraldo 03/07/2022
Supervised By :Jagrut Upadhyay 03/07/2022



#38
1-Methylnaphthalene
Concen: 2.060 ng
RT: 8.969 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Tgt Ion:142 Resp: 29104
Ion Ratio Lower Upper
142 100
141 90.5 72.1 108.1





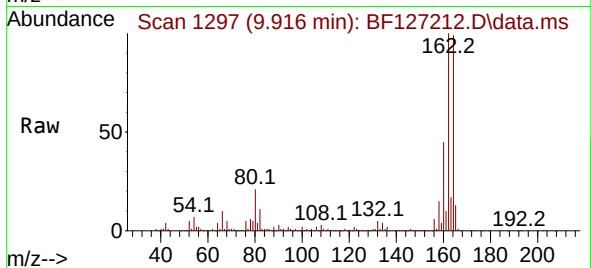
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :

BNA_F

ClientSampleId :

TR-4-030322



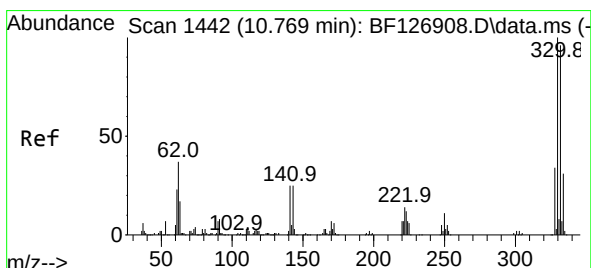
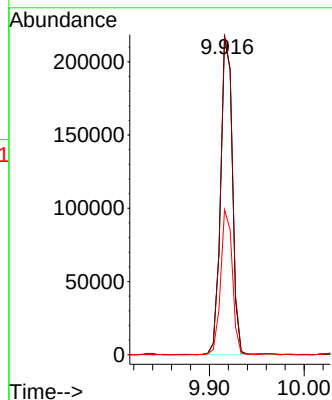
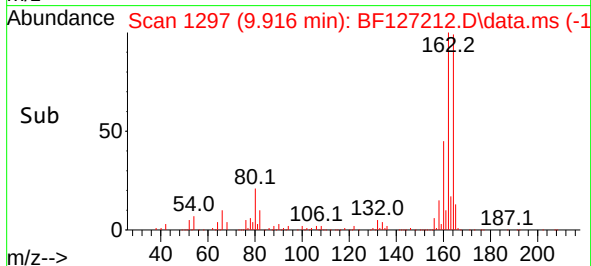
Tgt Ion:164 Resp: 186979
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 45.8 36.6 54.8

Manual Integrations

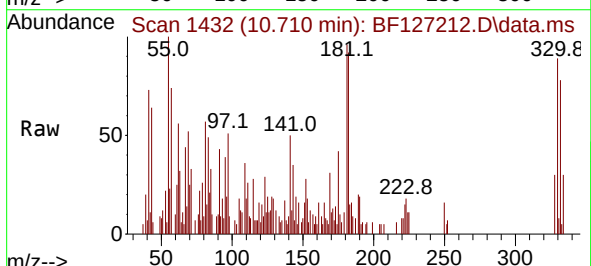
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Reviewed By :Christian Giraldo 03/07/2022

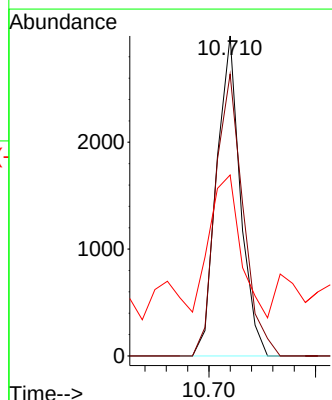
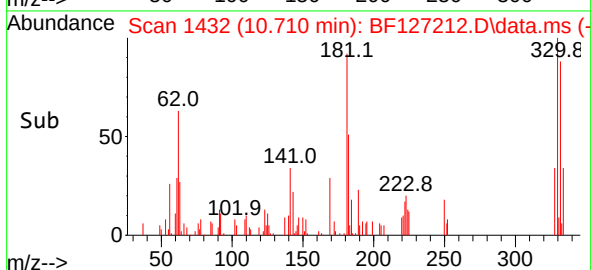
Supervised By :Jagrut Upadhyay 03/07/2022

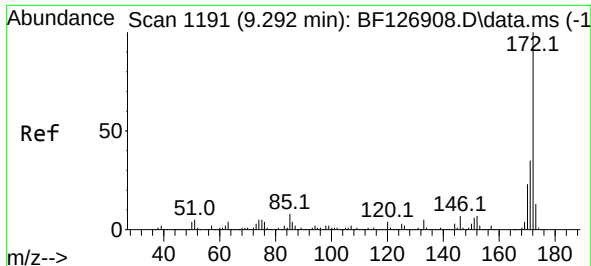


#42
2,4,6-Tribromophenol
Concen: 1.076 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35



Tgt Ion:330 Resp: 2316
Ion Ratio Lower Upper
330 100
332 102.6 76.0 114.0
141 57.8 30.1 45.1#





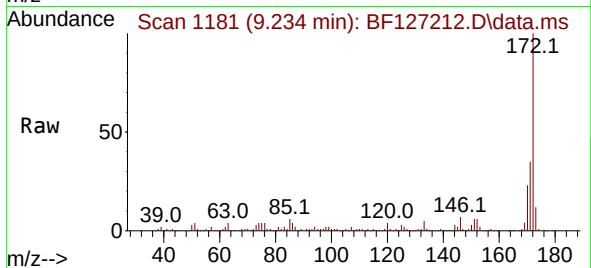
#45
2-Fluorobiphenyl
Concen: 14.145 ng
RT: 9.234 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :

BNA_F

ClientSampleId :

TR-4-030322

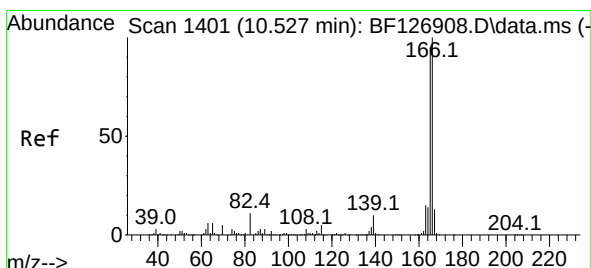
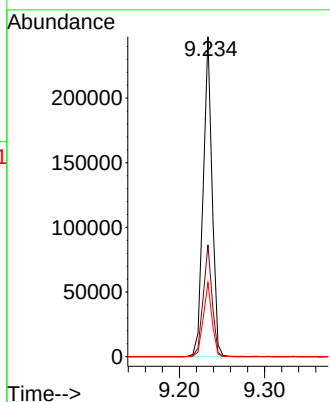
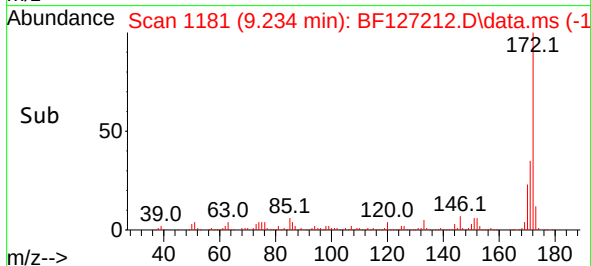


Tgt Ion:172 Resp: 17965
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.1 19.0 28.6

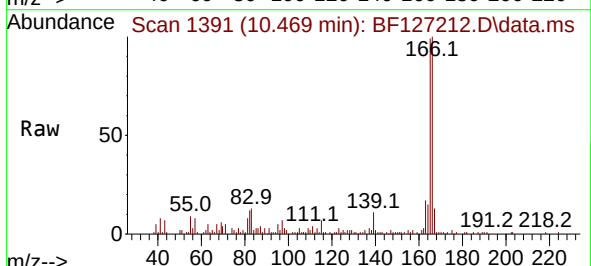
Manual Integrations

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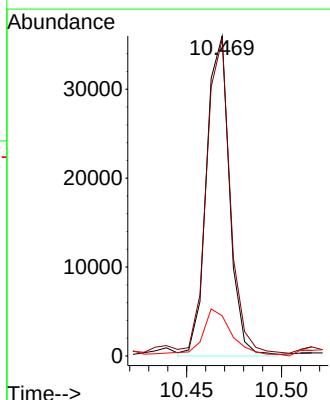
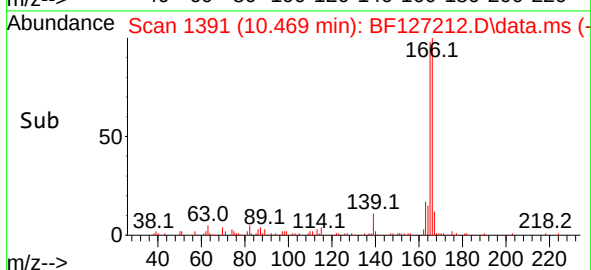
Reviewed By :Christian Giraldo 03/07/2022
Supervised By :Jagrut Upadhyay 03/07/2022

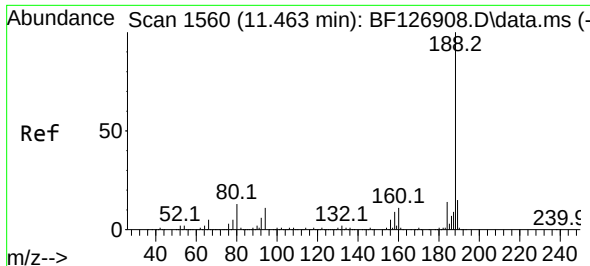


#58
Fluorene
Concen: 2.456 ng m
RT: 10.469 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35



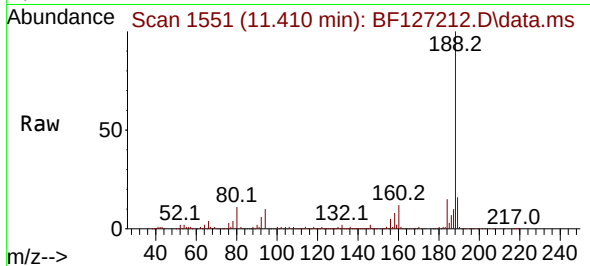
Tgt Ion:166 Resp: 30533
Ion Ratio Lower Upper
166 100
165 99.0 77.7 116.5
167 12.6 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

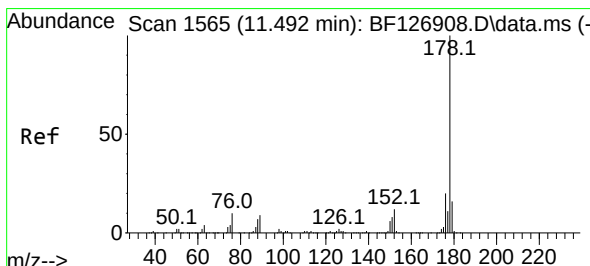
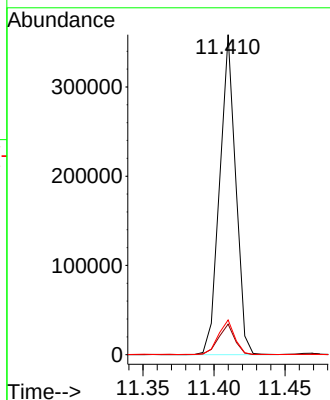
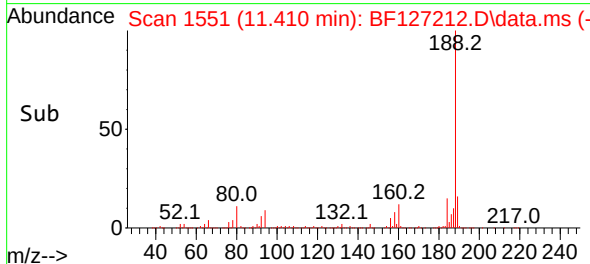
Instrument :
BNA_F
ClientSampleId :
TR-4-030322



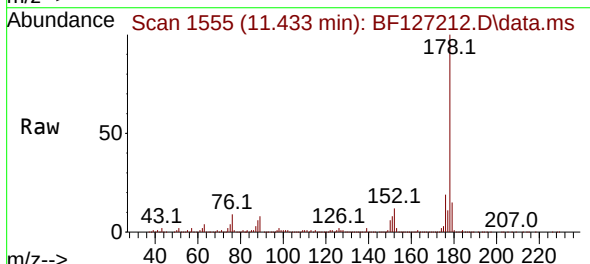
Tgt Ion:188 Resp: 281199
Ion Ratio Lower Upper
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94 9.6 10.1 15.1
80 10.8 11.8 17.6

Manual Integrations
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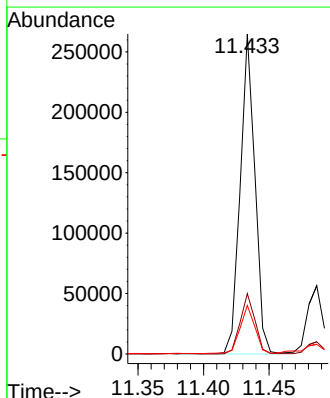
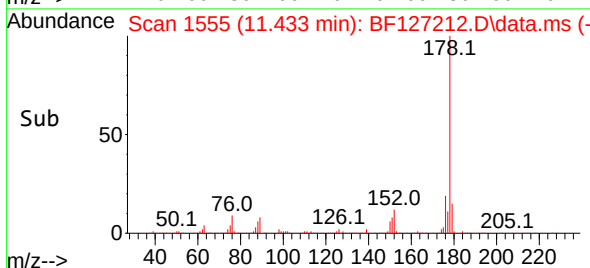
Reviewed By :Christian Giraldo 03/07/2022
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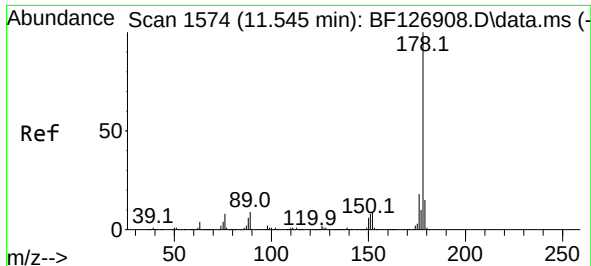


#71
Phenanthrene
Concen: 13.191 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35



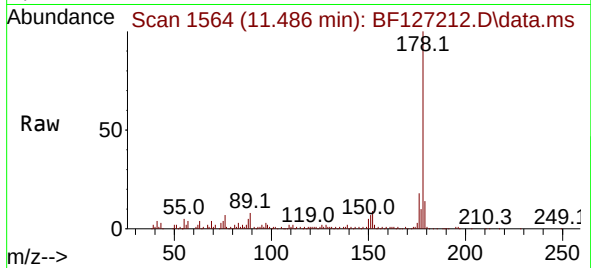
Tgt Ion:178 Resp: 207610
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.2 12.3 18.5





#72
 Anthracene
 Concen: 2.849 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127212.D
 Acq: 04 Mar 2022 20:35

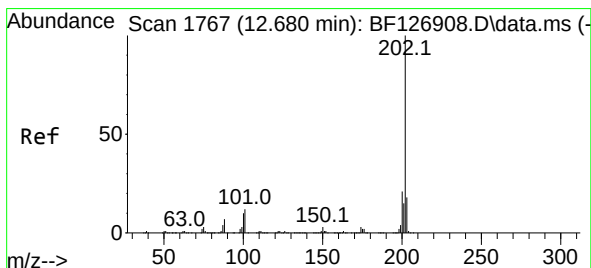
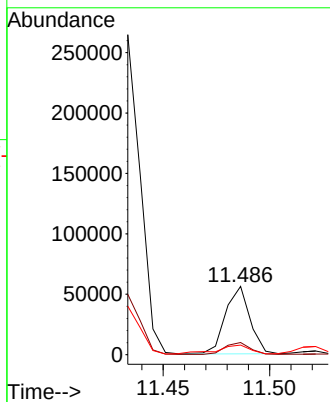
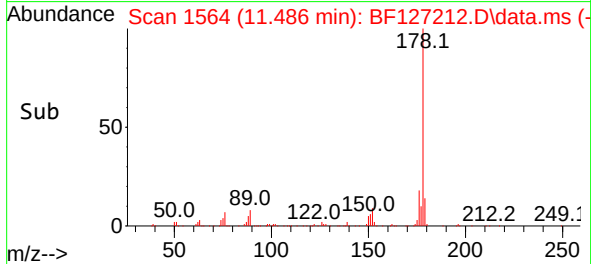
Instrument :
 BNA_F
 ClientSampleId :
 TR-4-030322



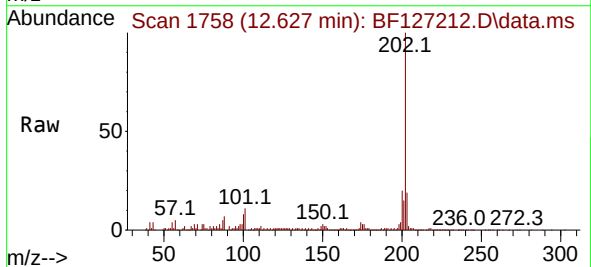
Tgt Ion:178 Resp: 44638
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 14.1 12.5 18.7

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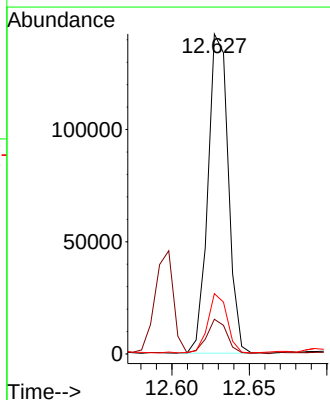
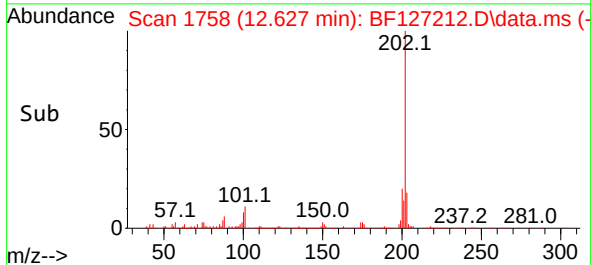
Reviewed By :Christian Giraldo 03/07/2022
 Supervised By :Jagrut Upadhyay 03/07/2022

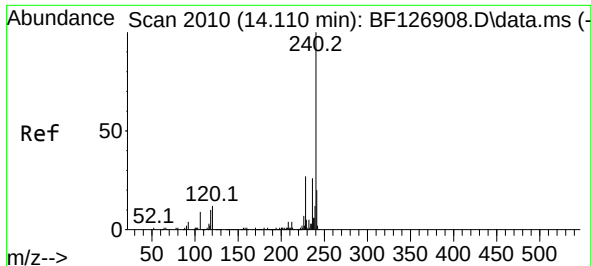


#75
 Fluoranthene
 Concen: 8.695 ng
 RT: 12.627 min Scan# 1758
 Delta R.T. -0.006 min
 Lab File: BF127212.D
 Acq: 04 Mar 2022 20:35



Tgt Ion:202 Resp: 129948
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 35.7
 203 18.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :

BNA_F

ClientSampleId :

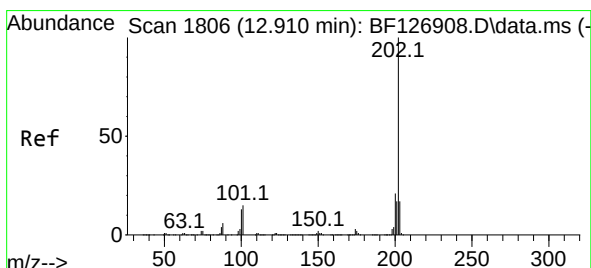
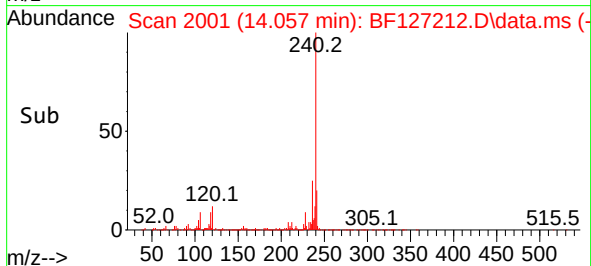
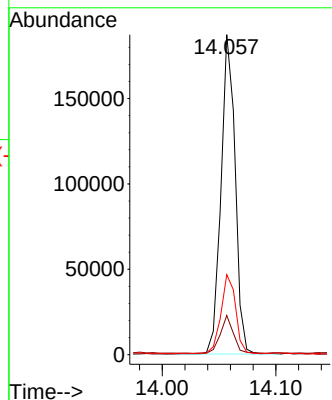
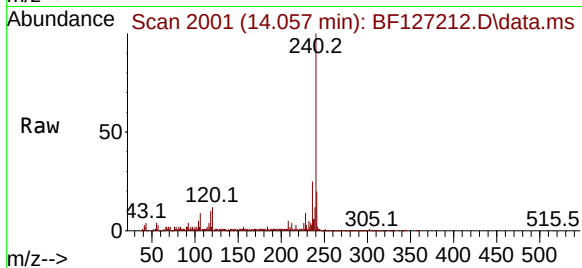
TR-4-030322

Tgt Ion:240 Resp: 162068
Ion Ratio Lower Upper
240 100
120 12.2 14.4 21.6
236 25.0 20.5 30.7

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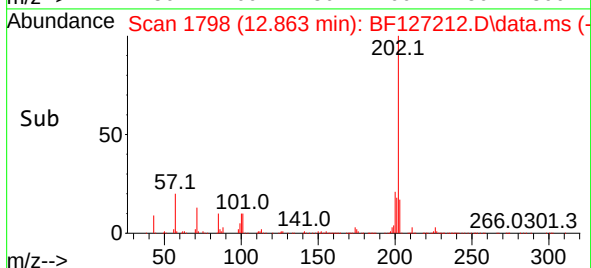
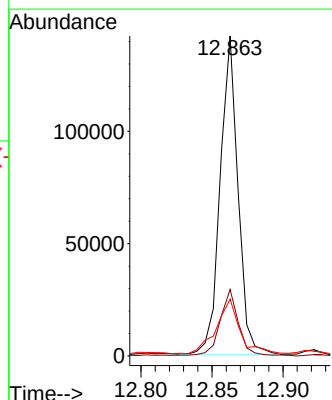
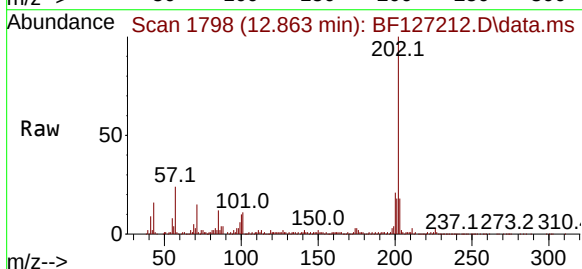
APPROVED

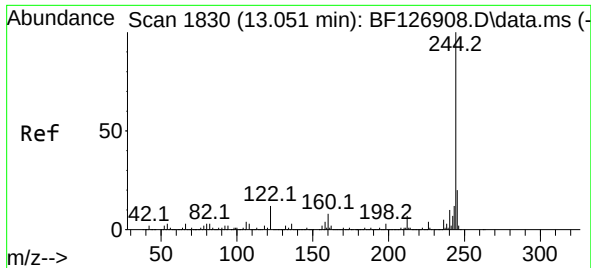
Reviewed By :Christian Giraldo 03/07/2022
Supervised By :Jagrut Upadhyay 03/07/2022



#78
Pyrene
Concen: 8.780 ng
RT: 12.863 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

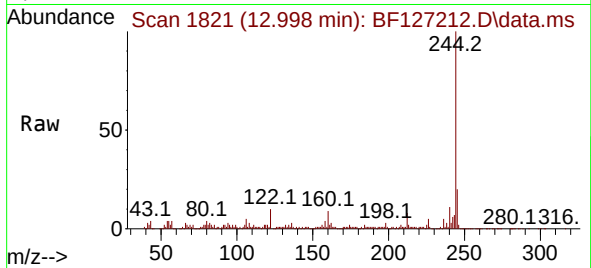
Tgt Ion:202 Resp: 123623
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.8 13.8 20.8





#79
 Terphenyl-d14
 Concen: 11.374 ng
 RT: 12.998 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: BF127212.D
 Acq: 04 Mar 2022 20:35

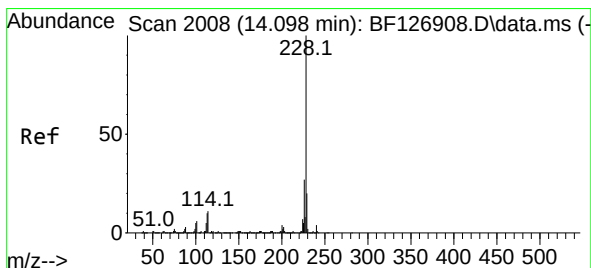
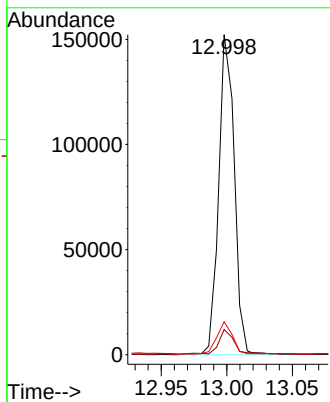
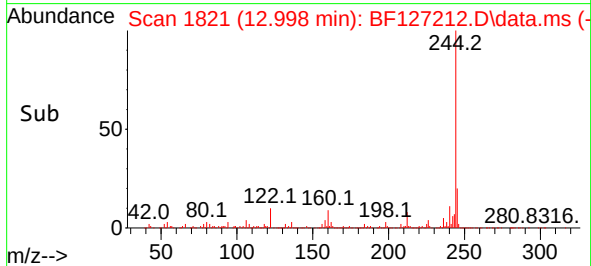
Instrument :
 BNA_F
 ClientSampleId :
 TR-4-030322



Tgt Ion:244 Resp: 125390
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.0 7.4
 122 10.3 13.3 19.9

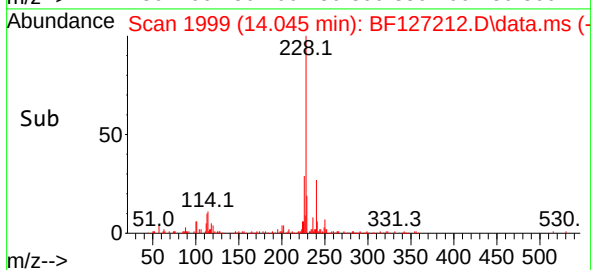
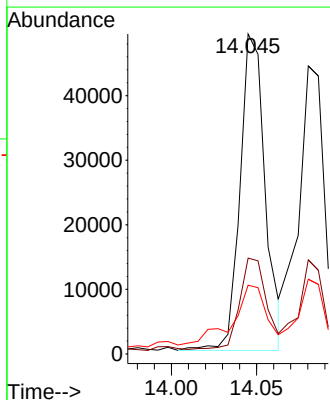
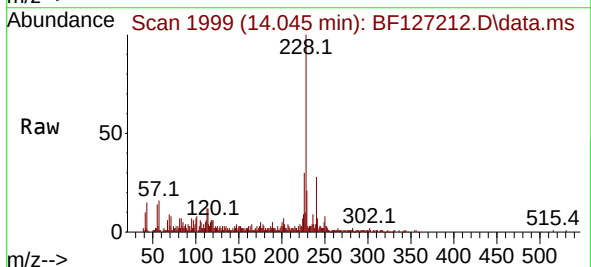
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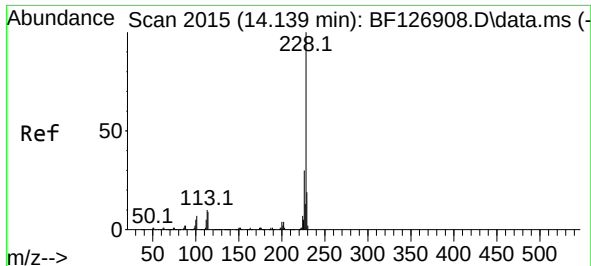
Reviewed By :Christian Giraldo 03/07/2022
 Supervised By :Jagrut Upadhyay 03/07/2022



#81
 Benzo(a)anthracene
 Concen: 4.610 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: BF127212.D
 Acq: 04 Mar 2022 20:35

Tgt Ion:228 Resp: 50370
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.4 32.0
 229 21.5 15.4 23.2





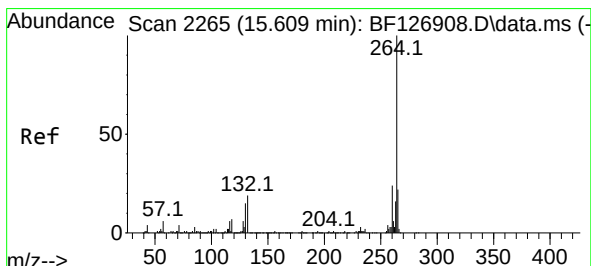
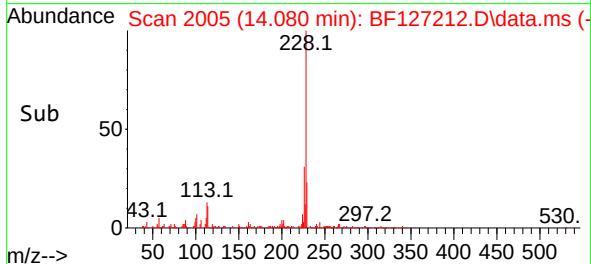
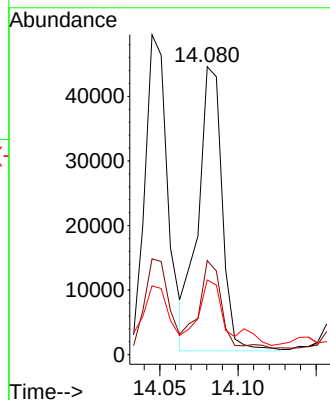
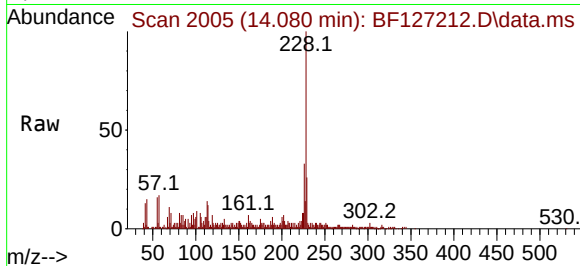
#83
Chrysene
Concen: 4.606 ng m
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :
BNA_F
ClientSampleId :
TR-4-030322

Tgt Ion:228 Resp: 4732
Ion Ratio Lower Upper
228 100
226 32.7 23.7 35.5
229 25.9 15.5 23.3

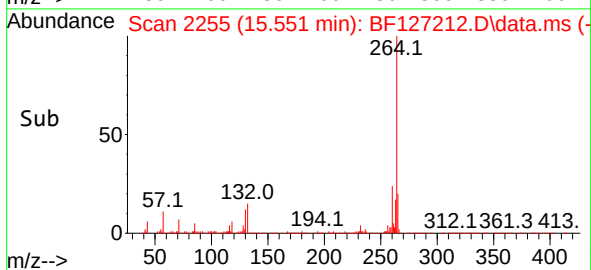
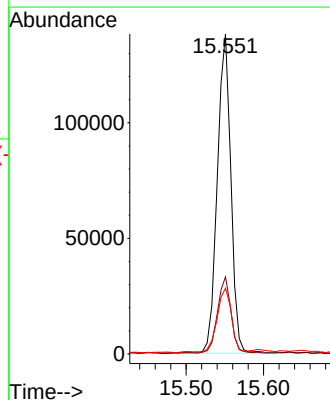
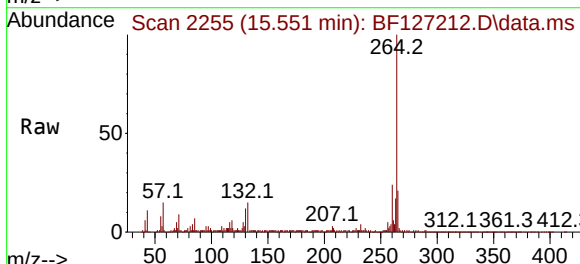
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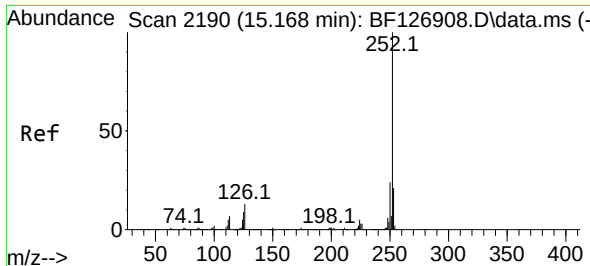
Reviewed By :Christian Giraldo 03/07/2022
Supervised By :Jagrut Upadhyay 03/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Tgt Ion:264 Resp: 167606
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 20.5 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.628 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127212.D

Acq: 04 Mar 2022 20:35

Instrument :

BNA_F

ClientSampleId :

TR-4-030322

Tgt Ion:252 Resp: 5210

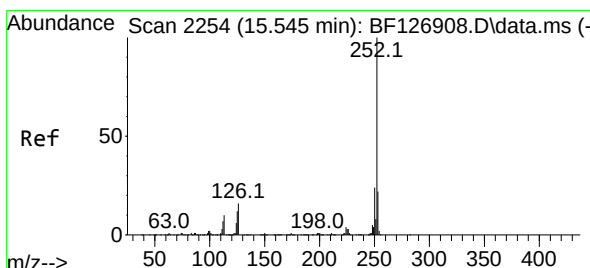
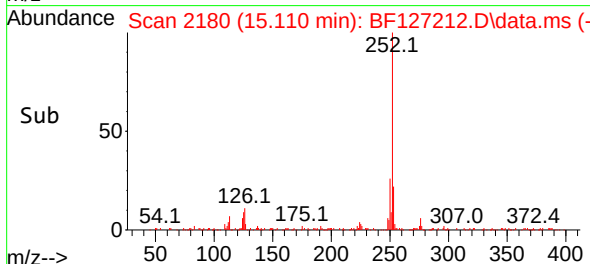
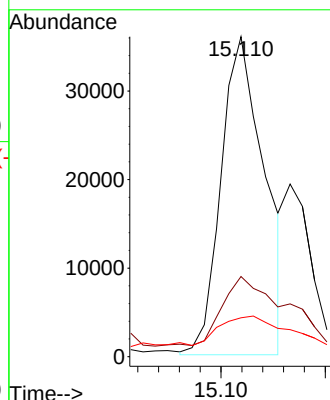
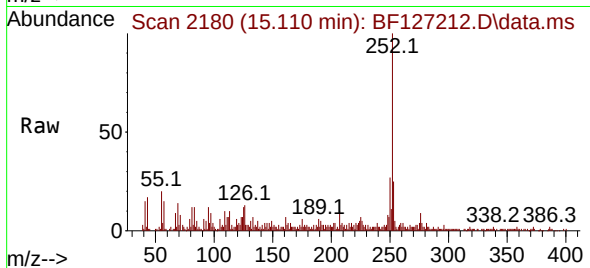
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	12.2	12.4	18.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/07/2022

Supervised By :Jagrut Upadhyay 03/07/2022



#90

Benzo(a)pyrene

Concen: 4.635 ng

RT: 15.480 min Scan# 2243

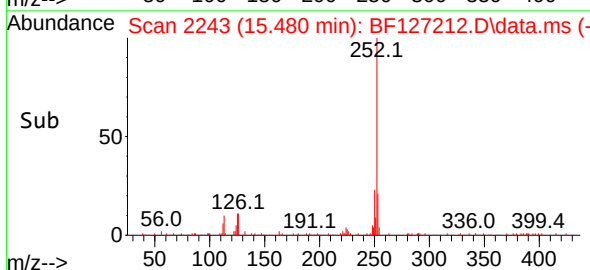
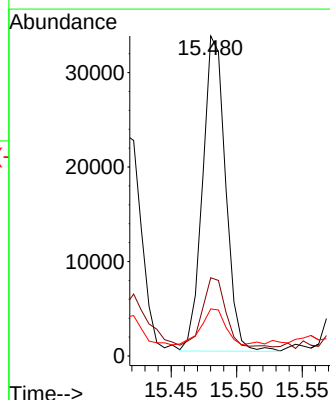
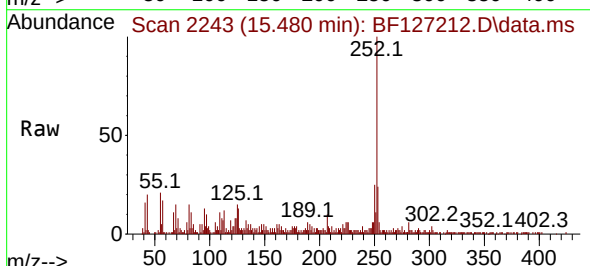
Delta R.T. -0.006 min

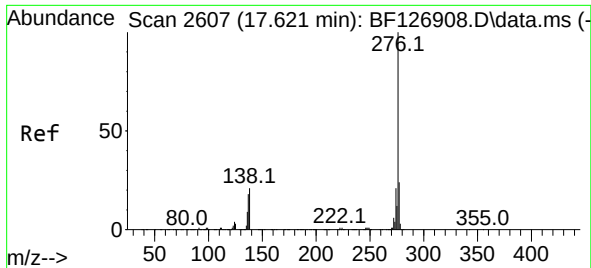
Lab File: BF127212.D

Acq: 04 Mar 2022 20:35

Tgt Ion:252 Resp: 40757

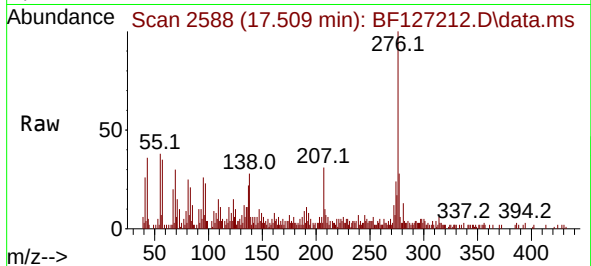
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	14.7	13.0	19.6





#92
Benzo(g,h,i)perylene
Concen: 2.800 ng
RT: 17.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127212.D
Acq: 04 Mar 2022 20:35

Instrument :
BNA_F
ClientSampleId :
TR-4-030322



Tgt Ion:276 Resp: 2509
Ion Ratio Lower Upper
276 100
277 27.9 18.5 27.7
138 28.5 25.9 38.9

Manual Integrations
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Supervised By :Jagrut Upadhyay 03/07/2022

