

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
 Data File : BF127382.D
 Acq On : 17 Mar 2022 18:14
 Operator : CG\JU
 Sample : N1979-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4743

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/18/2022
 Supervised By : Jagrut Upadhyay 03/18/2022

Quant Time: Mar 18 04:40:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 16:51:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	101782	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	361408	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	187111	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	263645	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	193372	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	142255	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	634286	100.180	ng	0.00
7) Phenol-d6	6.504	99	878429	100.854	ng	0.00
23) Nitrobenzene-d5	7.433	82	616734	70.474	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	159645	79.258	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	938687	70.926	ng	0.00
79) Terphenyl-d14	12.986	244	740454	65.936	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	149195	7.739	ng	100
37) 2-Methylnaphthalene	8.863	142	206342	16.380	ng	95
38) 1-Methylnaphthalene	8.963	142	130942	10.812	ng	100
46) 1,1'-Biphenyl	9.327	154	76445	5.413	ng	97
52) Acenaphthene	9.945	154	593269	59.161	ng	96
55) Dibenzofuran	10.116	168	496057	31.841	ng	99
58) Fluorene	10.457	166	540346	44.730	ng	100
71) Phenanthrene	11.433	178	1946317	139.847	ng	99
72) Anthracene	11.480	178	361774	26.248	ng	99
73) Carbazole	11.633	167	107600	8.290	ng	98
75) Fluoranthene	12.627	202	1634698	105.049	ng	91
78) Pyrene	12.851	202	1177387	78.171	ng	98
81) Benzo(a)anthracene	14.033	228	349766	26.863	ng	98
83) Chrysene	14.074	228	283259	23.390	ng	96
84) Bis(2-ethylhexyl)phtha...	14.010	149	30856	3.954	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.039	276	22800	2.661	ng	# 84
88) Benzo(b)fluoranthene	15.098	252	181032m	19.388	ng	
89) Benzo(k)fluoranthene	15.121	252	50263m	5.725	ng	
90) Benzo(a)pyrene	15.468	252	77796m	10.580	ng	
92) Benzo(g,h,i)perylene	17.498	276	17841	2.564	ng	# 82

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

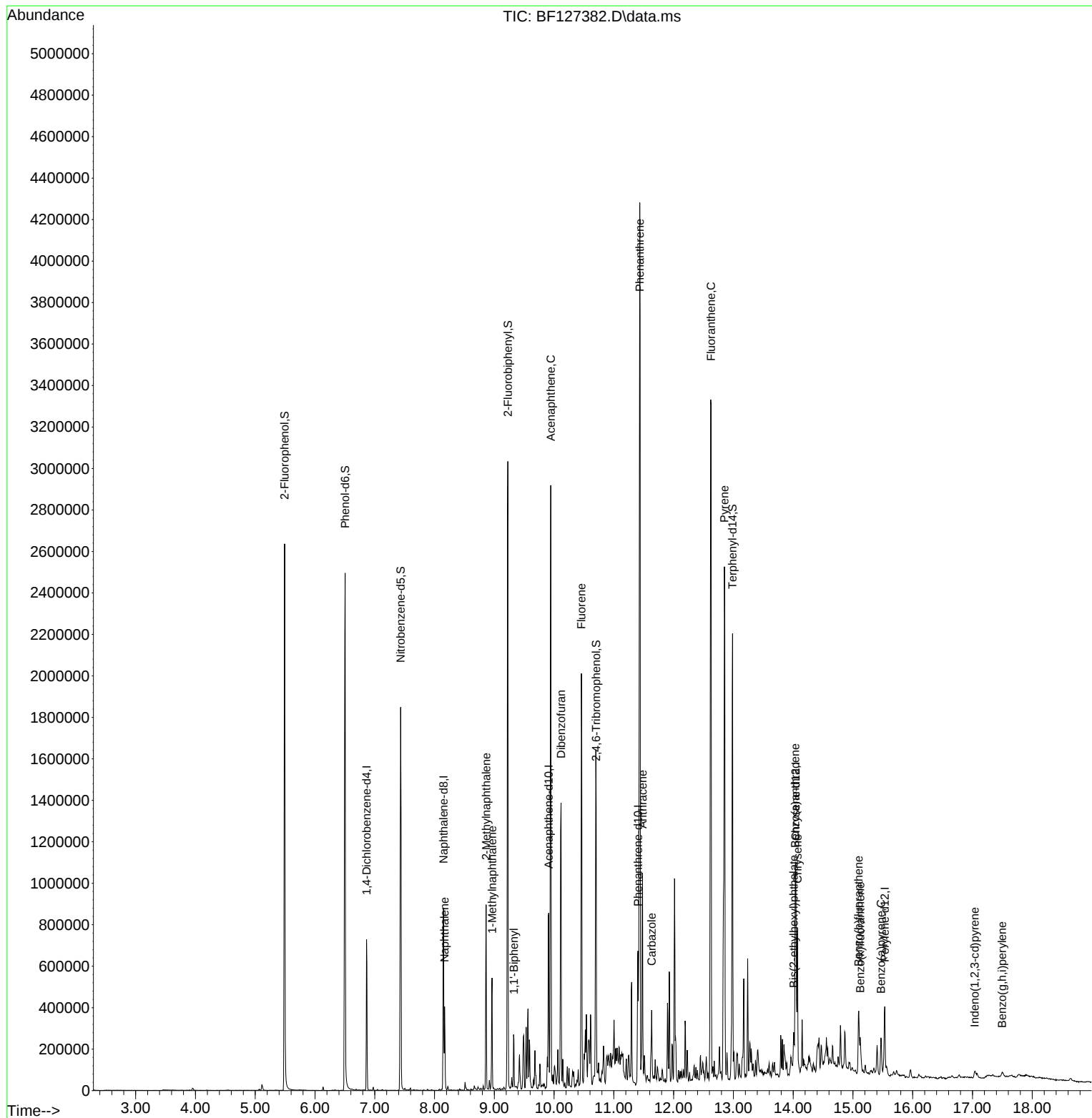
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
Data File : BF127382.D
Acq On : 17 Mar 2022 18:14
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Misc :
ALS Vial : 17 Sample Multiplier: 1

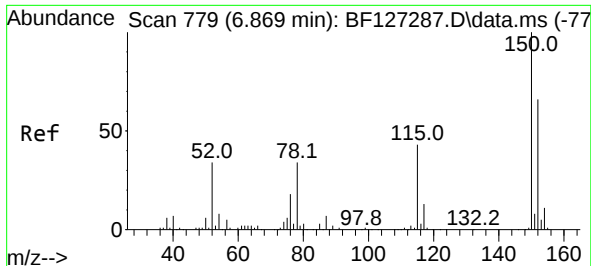
Instrument :
BNA_F
ClientSampleId :
RT4743

Quant Time: Mar 18 04:40:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 16:51:53 2022
Response via : Initial Calibration

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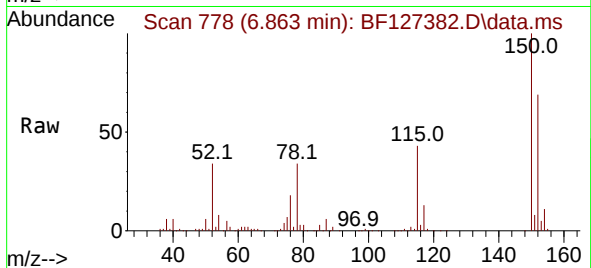
Reviewed By : Christian Giraldo 03/18/2022
Supervised By : Jagrut Upadhyay 03/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

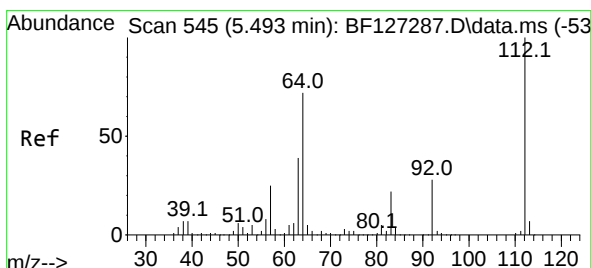
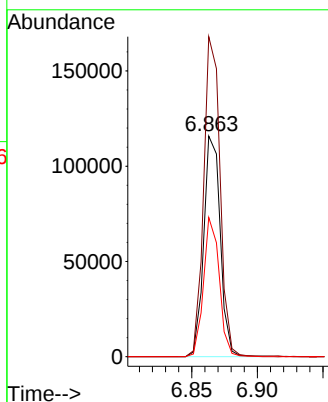
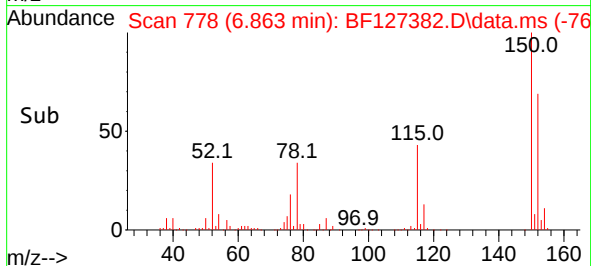
Instrument :
BNA_F
ClientSampleId :
RT4743



Tgt Ion:152 Resp: 10178
Ion Ratio Lower Upper
152 100
150 145.0 128.1 192.1
115 63.1 56.7 85.1

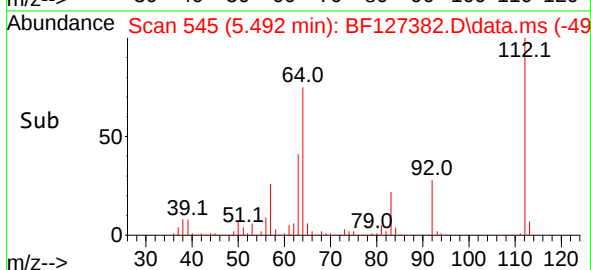
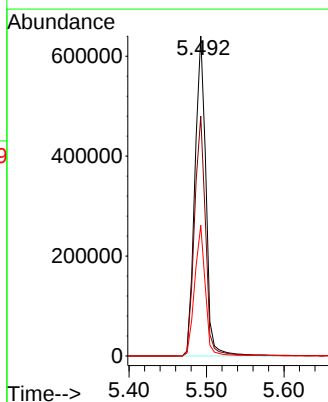
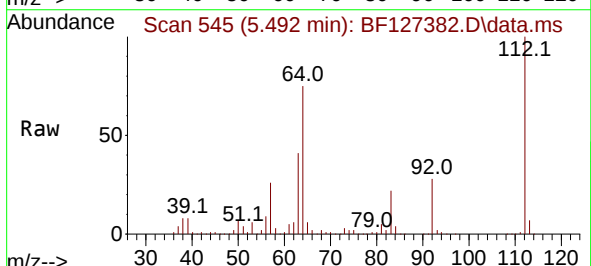
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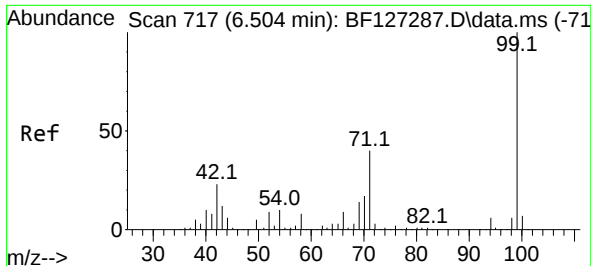
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#5
2-Fluorophenol
Concen: 100.180 ng
RT: 5.492 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

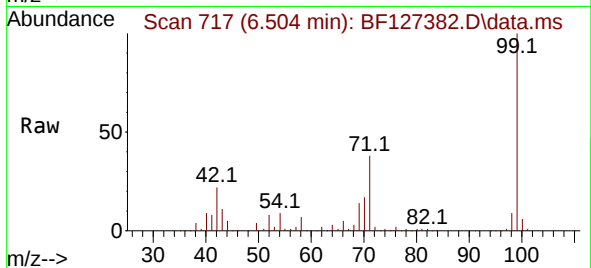
Tgt Ion:112 Resp: 634286
Ion Ratio Lower Upper
112 100
64 74.9 49.5 74.3#
63 40.8 23.9 35.9#





#7
Phenol-d6
Concen: 100.854 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

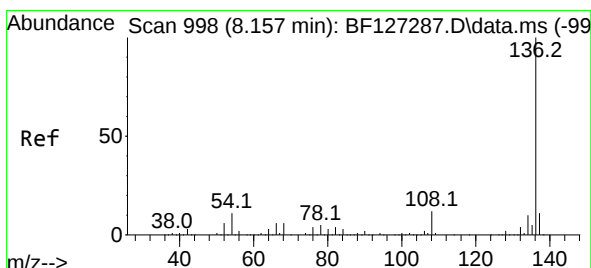
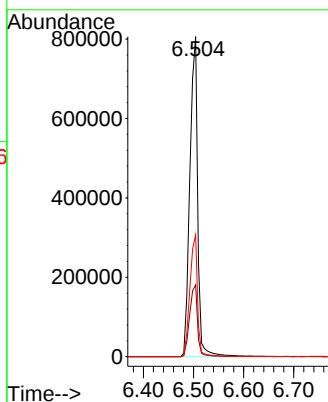
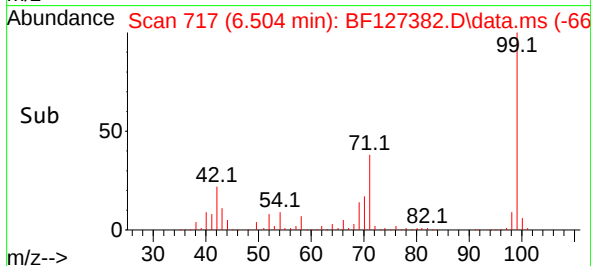
Instrument :
BNA_F
ClientSampleId :
RT4743



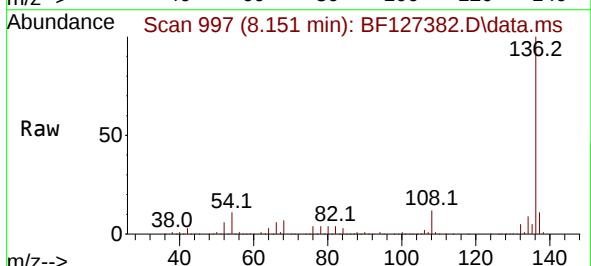
Tgt Ion: 99 Resp: 878429
Ion Ratio Lower Upper
99 100
42 22.5 14.2 21.4
71 38.1 24.3 36.5

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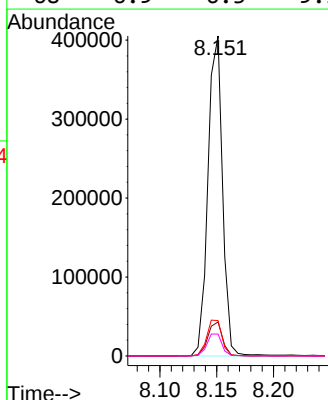
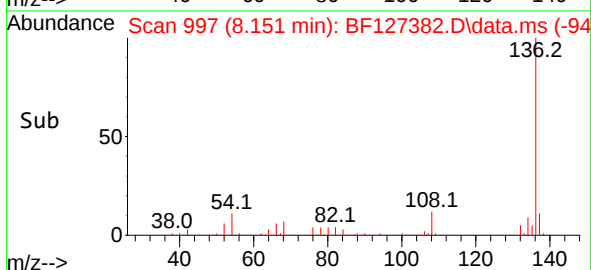
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

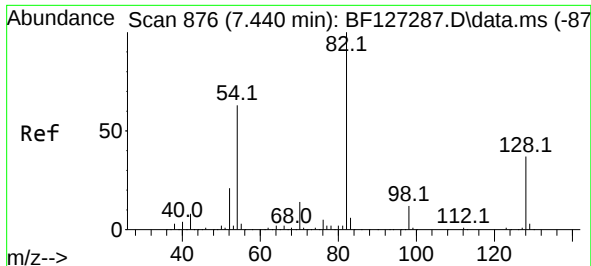


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



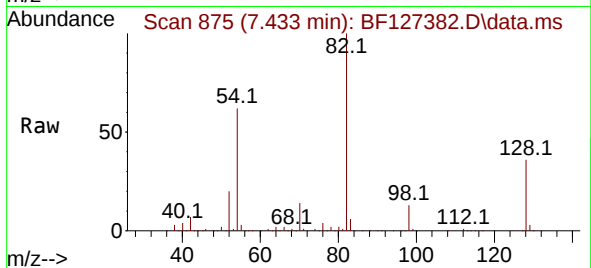
Tgt Ion:136 Resp: 361408
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 11.1 7.8 11.6
68 6.9 6.3 9.5





#23
Nitrobenzene-d5
Concen: 70.474 ng
RT: 7.433 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

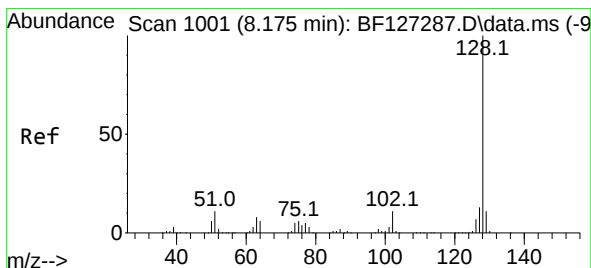
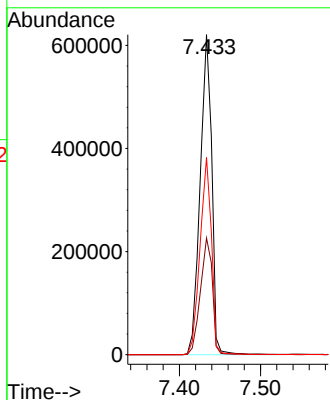
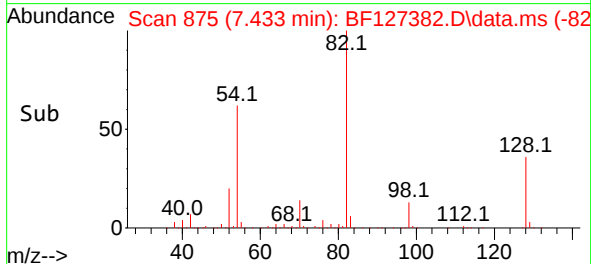
Instrument :
BNA_F
ClientSampleId :
RT4743



Tgt Ion: 82 Resp: 616734
Ion Ratio Lower Upper
82 100
128 36.4 32.7 49.1
54 61.6 41.7 62.5

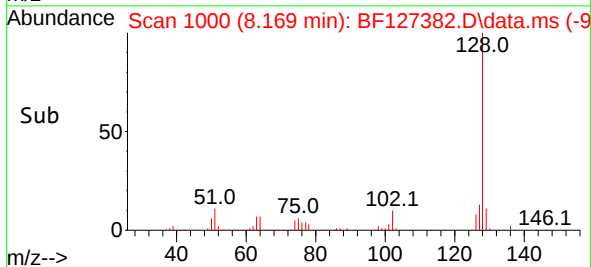
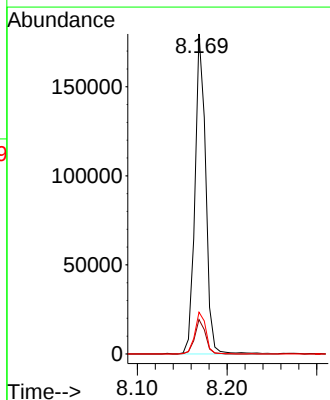
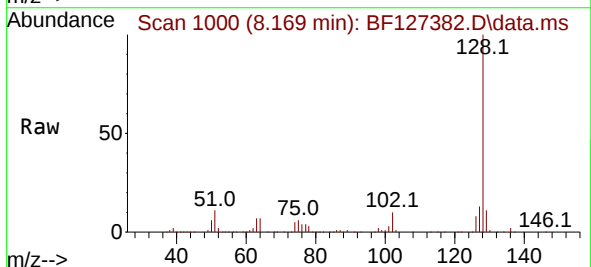
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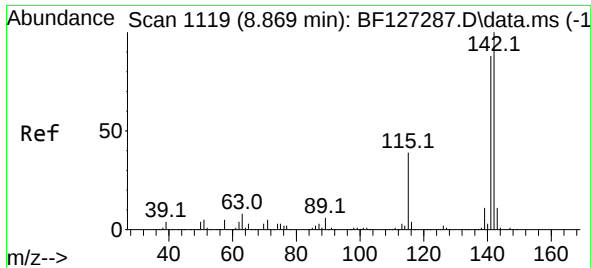
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#31
Naphthalene
Concen: 7.739 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

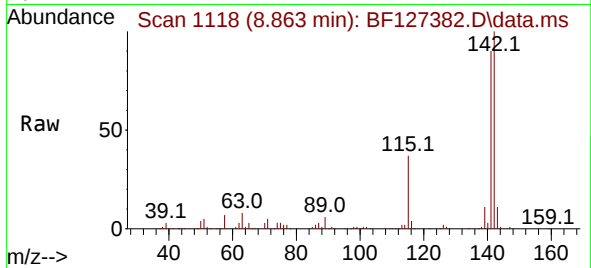
Tgt Ion:128 Resp: 149195
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.0 10.3 15.5





#37
2-Methylnaphthalene
Concen: 16.380 ng
RT: 8.863 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

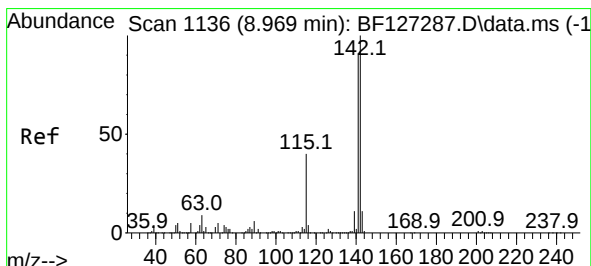
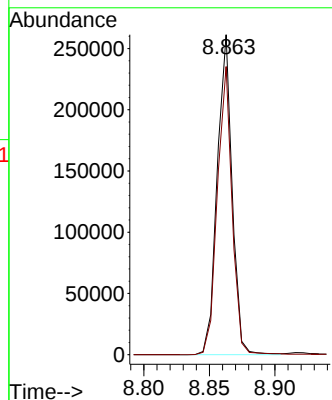
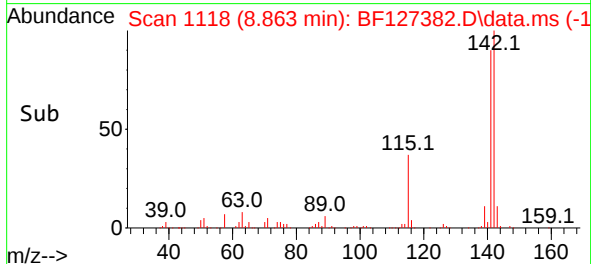
Instrument :
BNA_F
ClientSampleId :
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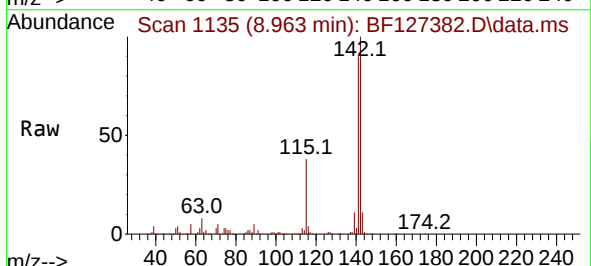
Tgt Ion:142 Resp: 206342
Ion Ratio Lower Upper
142 100
141 90.0 68.6 102.8

Manual Integrations
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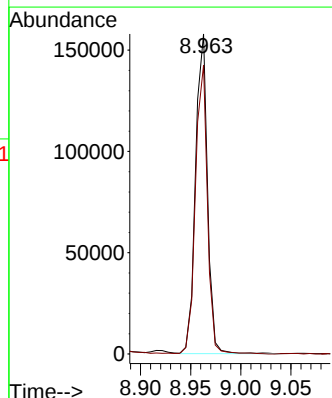
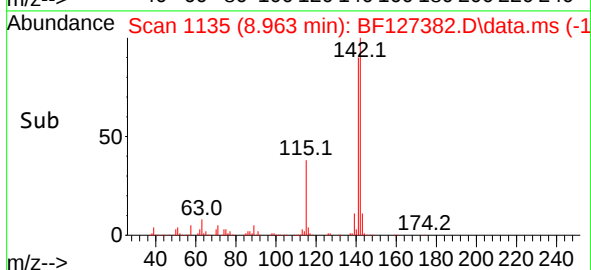
Reviewed By :Christian Giraldo 03/18/2022
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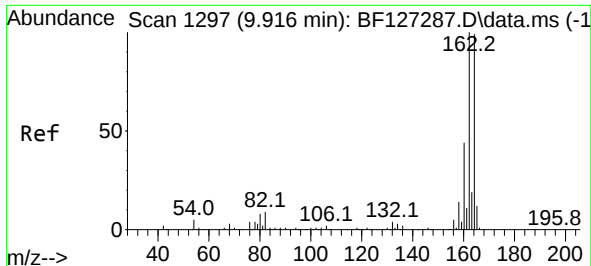


#38
1-Methylnaphthalene
Concen: 10.812 ng
RT: 8.963 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



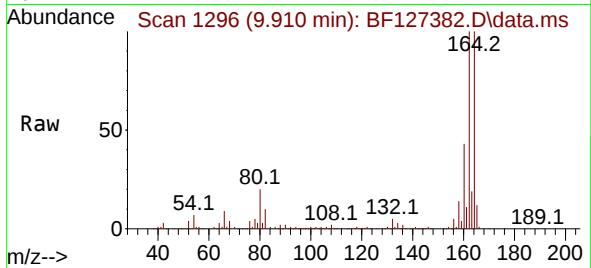
Tgt Ion:142 Resp: 130942
Ion Ratio Lower Upper
142 100
141 90.3 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

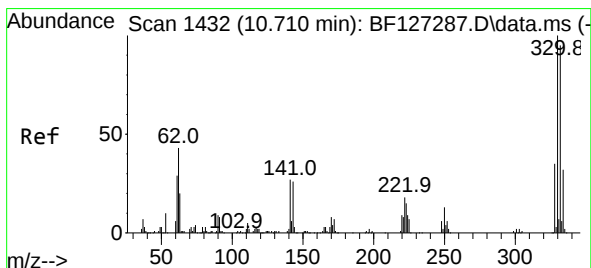
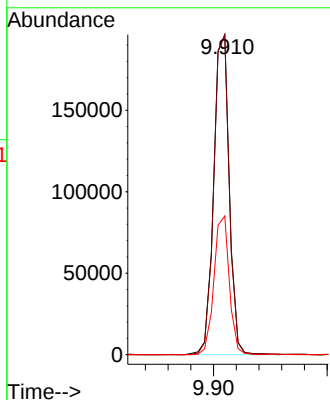
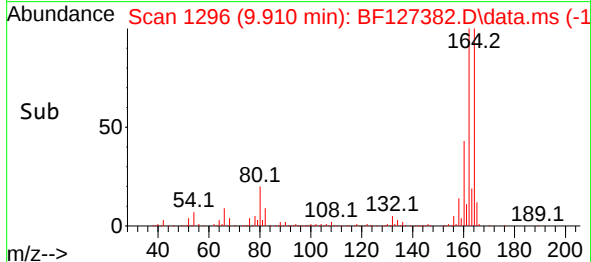
Instrument :
BNA_F
ClientSampleId :
RT4743



Tgt Ion:164 Resp: 18711
Ion Ratio Lower Upper
164 100
162 100.1 81.4 122.0
160 43.4 36.6 54.8

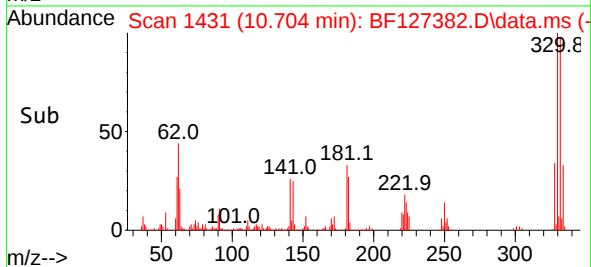
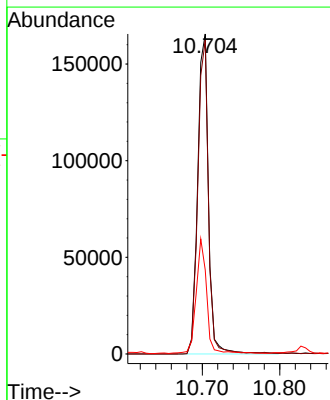
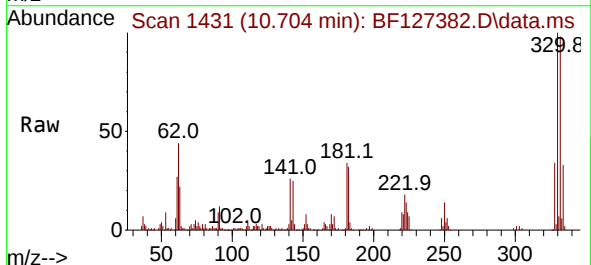
Manual Integrations
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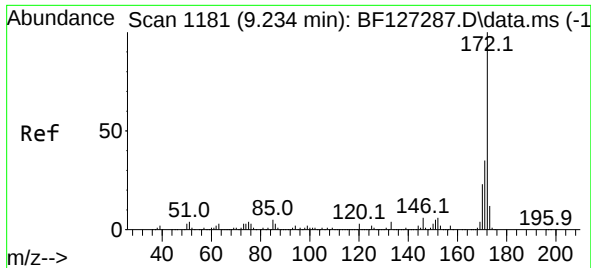
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#42
2,4,6-Tribromophenol
Concen: 79.258 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

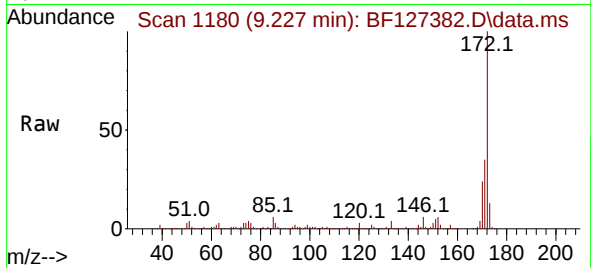
Tgt Ion:330 Resp: 159645
Ion Ratio Lower Upper
330 100
332 95.4 76.0 114.0
141 34.6 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 70.926 ng
RT: 9.227 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

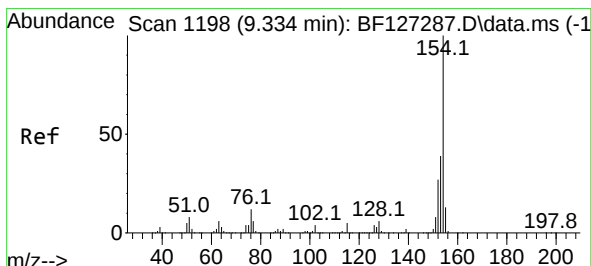
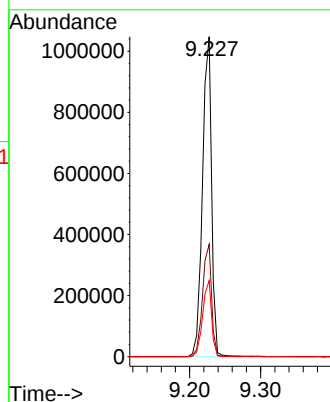
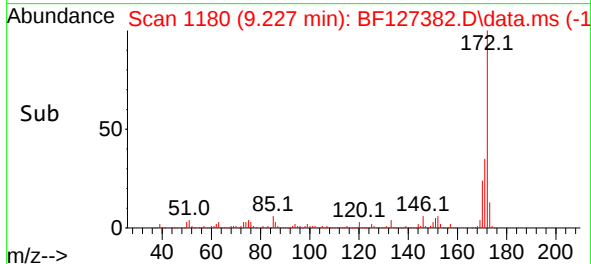
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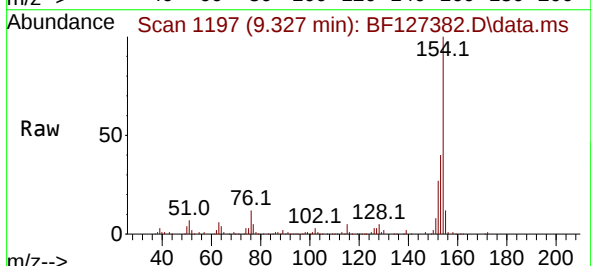
Tgt Ion:172 Resp: 93868
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.8 19.0 28.6

Manual Integrations
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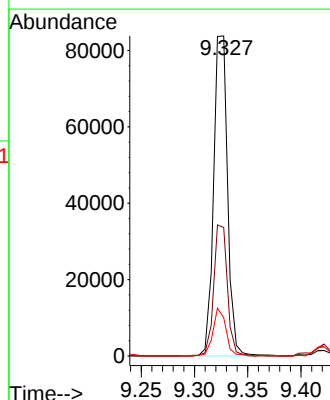
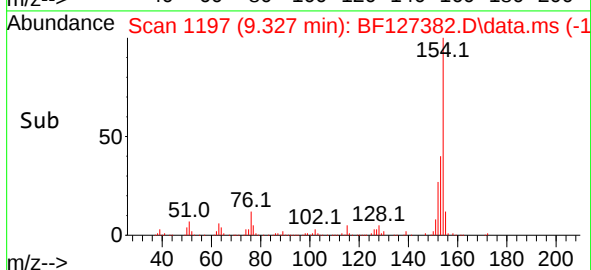
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

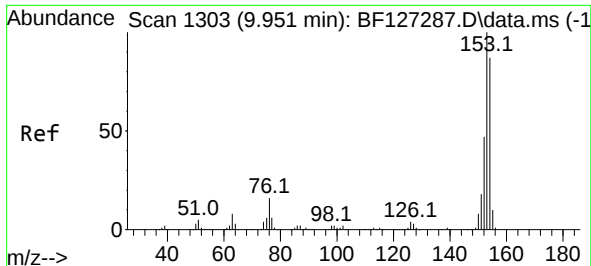


#46
1,1'-Biphenyl
Concen: 5.413 ng
RT: 9.327 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



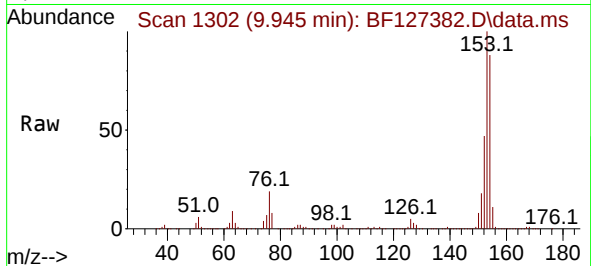
Tgt Ion:154 Resp: 76445
Ion Ratio Lower Upper
154 100
153 40.1 19.0 59.0
76 12.0 0.0 34.5





#52
Acenaphthene
Concen: 59.161 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

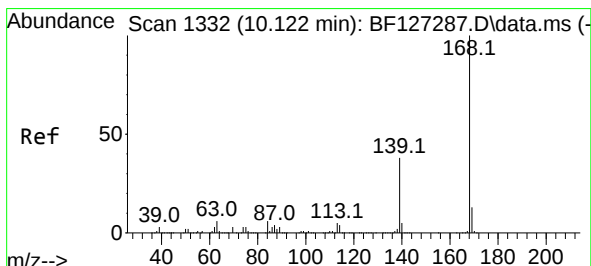
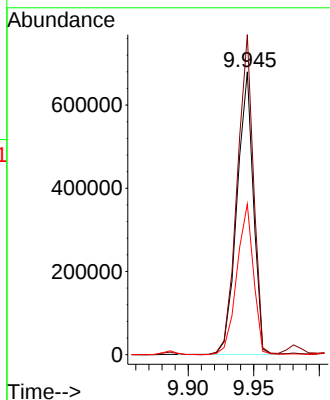
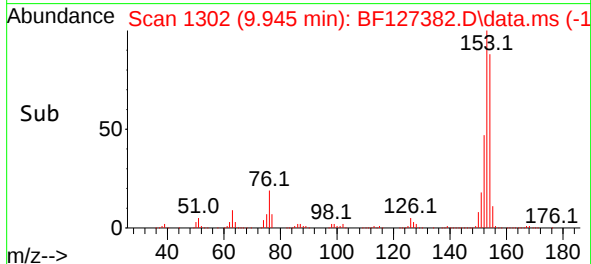
Instrument :
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ClientSampleId :
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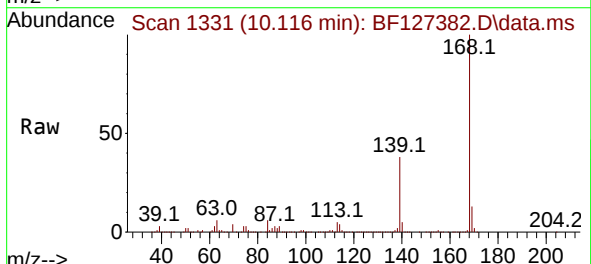
Tgt Ion:154 Resp: 593269
Ion Ratio Lower Upper
154 100
153 113.1 87.8 131.6
152 53.3 39.4 59.2

Manual Integrations
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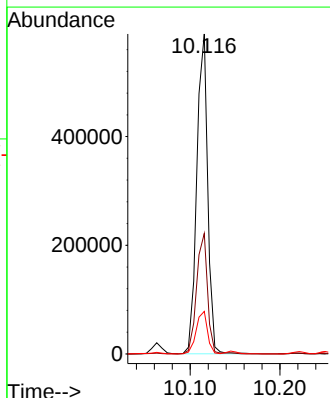
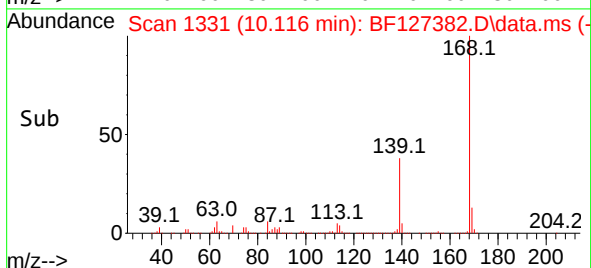
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

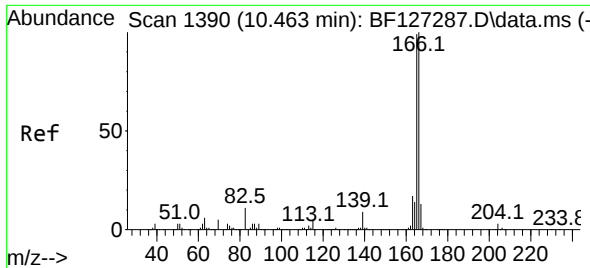


#55
Dibenzofuran
Concen: 31.841 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



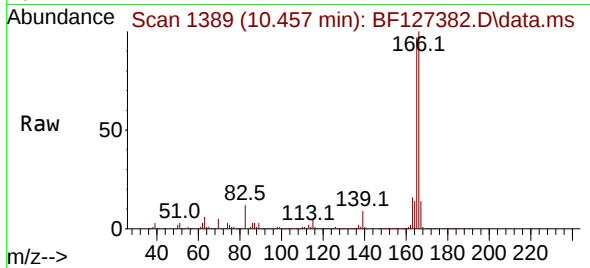
Tgt Ion:168 Resp: 496057
Ion Ratio Lower Upper
168 100
139 37.7 30.6 46.0
169 13.3 10.0 15.0





#58
Fluorene
Concen: 44.730 ng
RT: 10.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

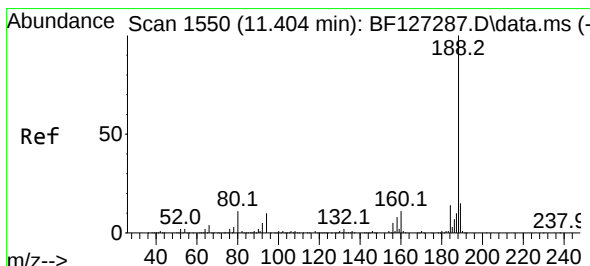
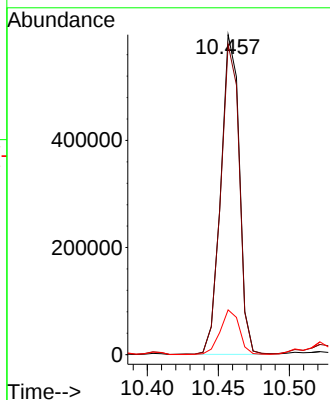
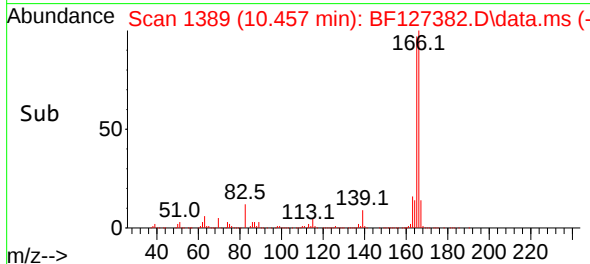
Instrument :
BNA_F
ClientSampleId :
RT4743



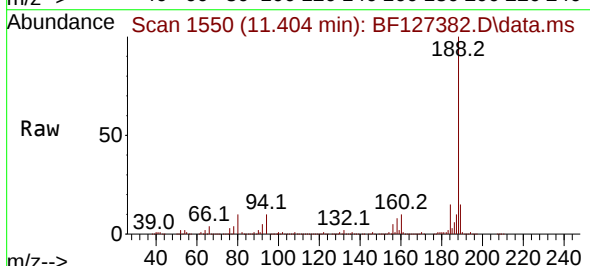
Tgt Ion:166 Resp: 540340
Ion Ratio Lower Upper
166 100
165 96.9 77.7 116.5
167 14.0 10.7 16.1

Manual Integrations
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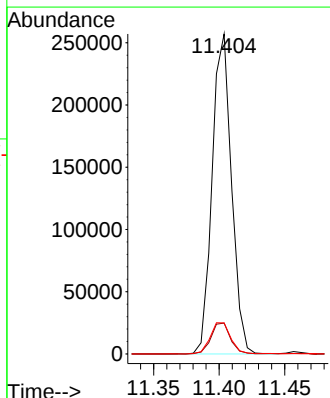
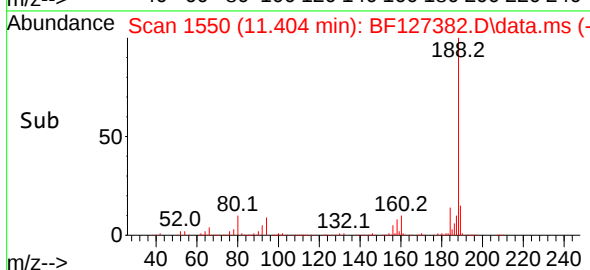
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

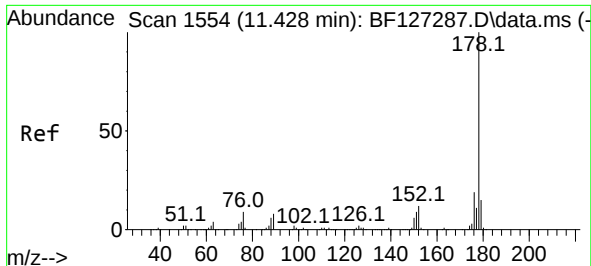


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



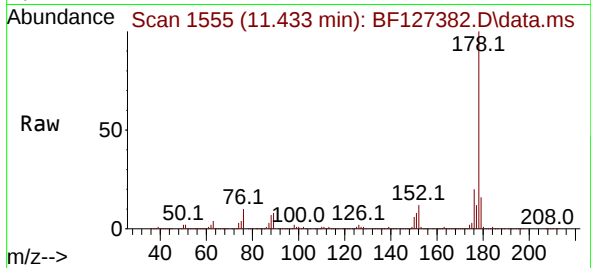
Tgt Ion:188 Resp: 263645
Ion Ratio Lower Upper
188 100
94 9.6 10.1 15.1#
80 9.7 11.8 17.6#





#71
Phenanthrene
Concen: 139.847 ng
RT: 11.433 min Scan# 1554
Delta R.T. 0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

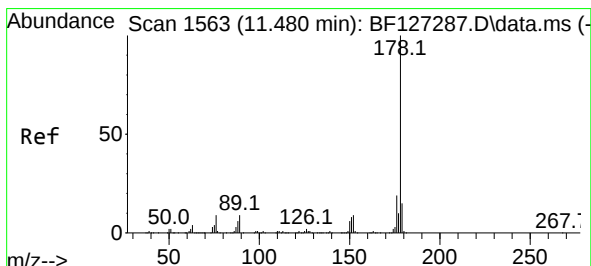
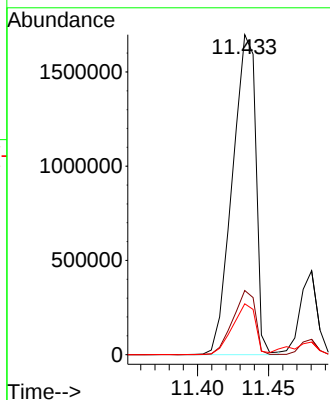
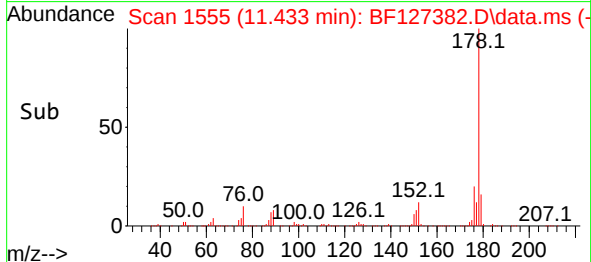
Instrument :
BNA_F
ClientSampleId :
RT4743



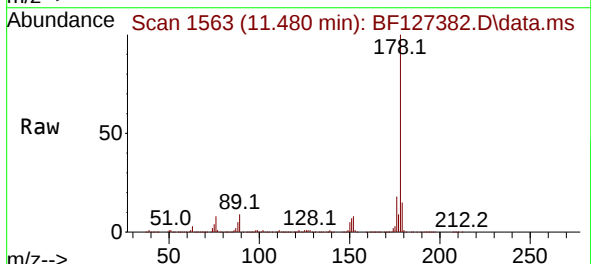
Tgt Ion:178 Resp: 194631
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.9 12.3 18.5

Manual Integrations
APPROVED

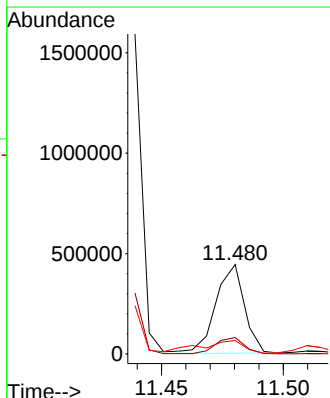
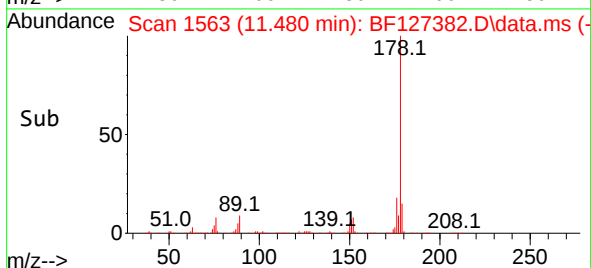
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

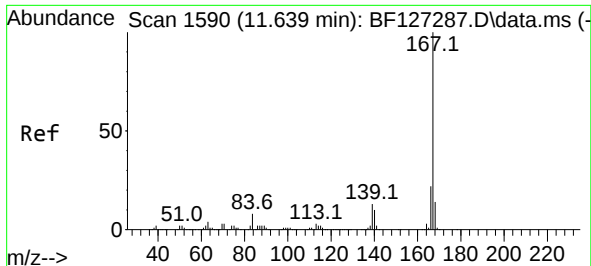


#72
Anthracene
Concen: 26.248 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



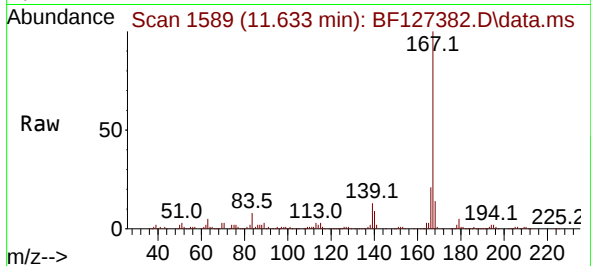
Tgt Ion:178 Resp: 361774
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.0 12.5 18.7





#73
 Carbazole
 Concen: 8.290 ng
 RT: 11.633 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127382.D
 Acq: 17 Mar 2022 18:14

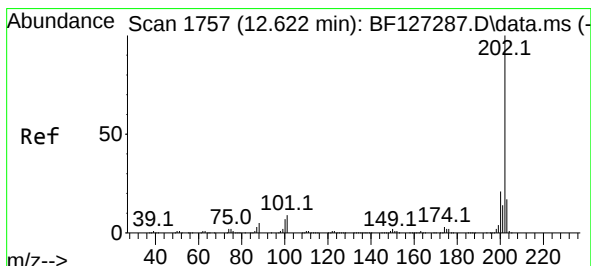
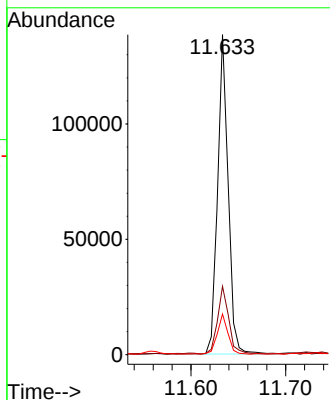
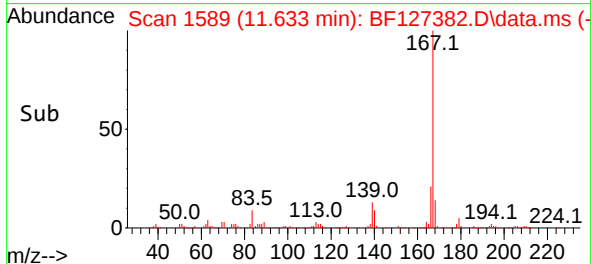
Instrument :
 BNA_F
 ClientSampleId :
 RT4743



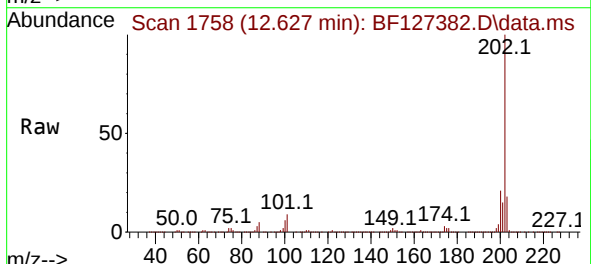
Tgt Ion:167 Resp: 107600
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 12.7 11.3 16.9

Manual Integrations
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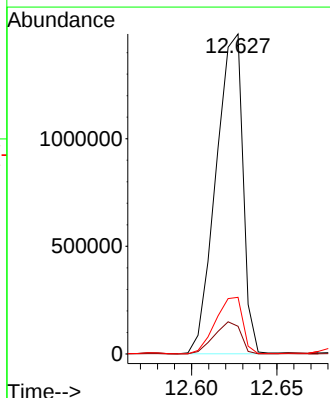
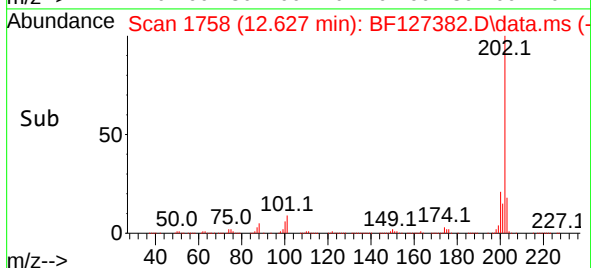
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022

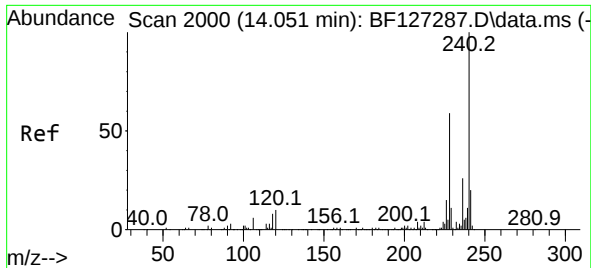


#75
 Fluoranthene
 Concen: 105.049 ng
 RT: 12.627 min Scan# 1758
 Delta R.T. 0.006 min
 Lab File: BF127382.D
 Acq: 17 Mar 2022 18:14



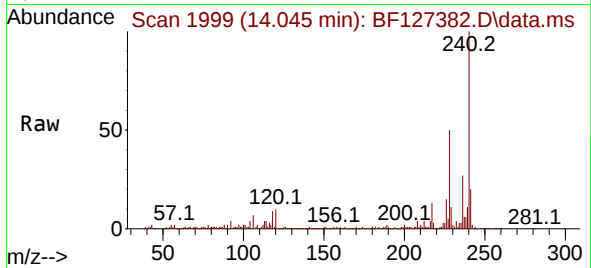
Tgt Ion:202 Resp: 1634698
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 35.7
 203 17.7 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

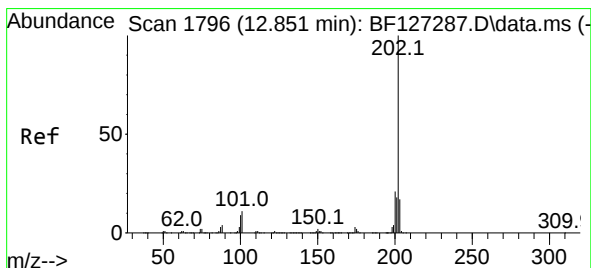
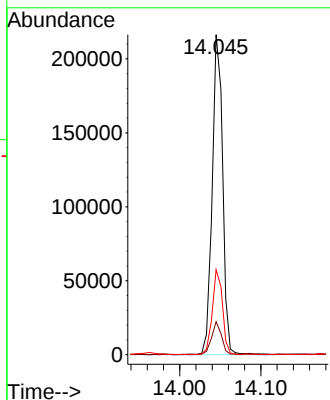
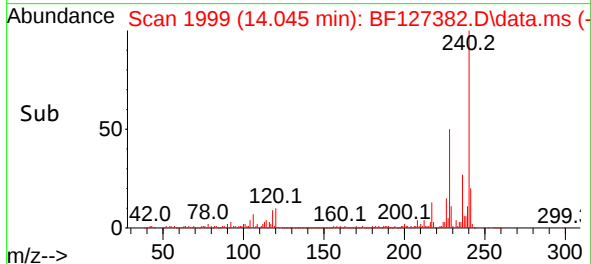
Instrument :
BNA_F
ClientSampleId :
RT4743



Tgt Ion:240 Resp: 193372
Ion Ratio Lower Upper
240 100
120 10.3 14.4 21.6
236 26.6 20.5 30.7

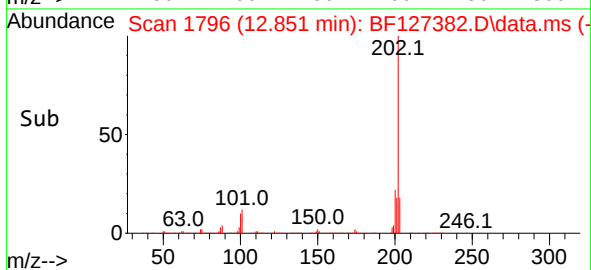
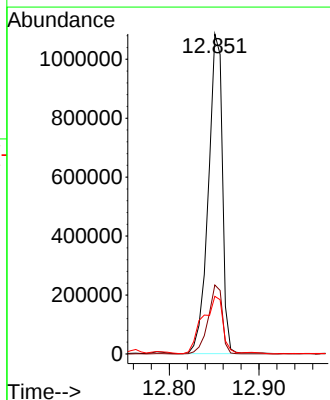
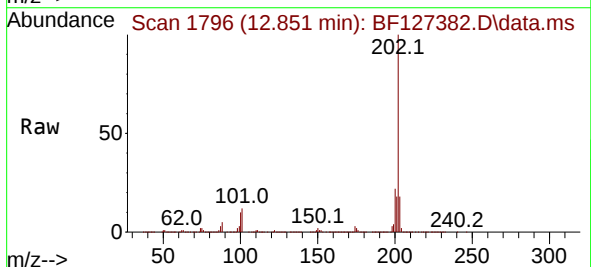
Manual Integrations
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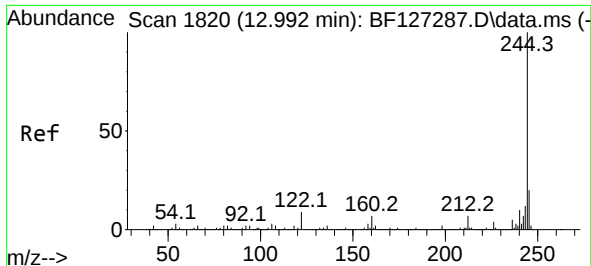
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#78
Pyrene
Concen: 78.171 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

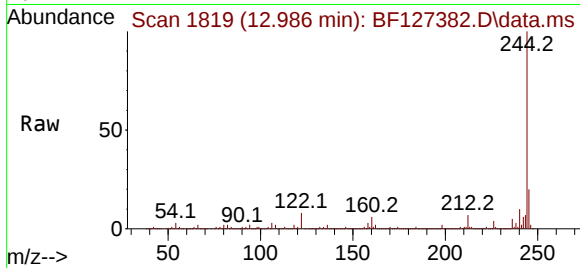
Tgt Ion:202 Resp: 1177387
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 18.0 13.8 20.8





#79
 Terphenyl-d14
 Concen: 65.936 ng
 RT: 12.986 min Scan# 1820
 Delta R.T. -0.006 min
 Lab File: BF127382.D
 Acq: 17 Mar 2022 18:14

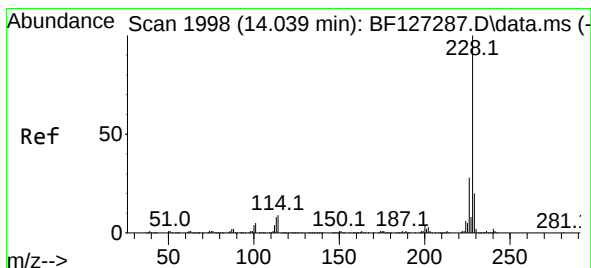
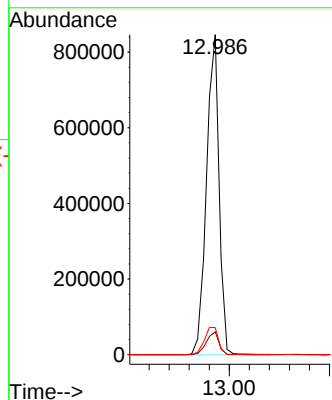
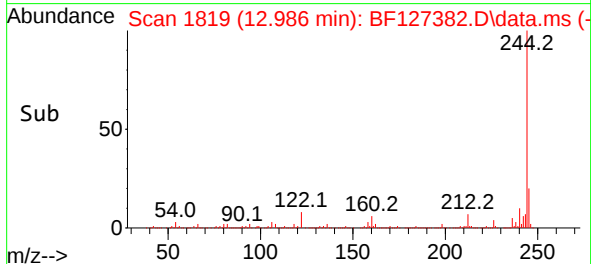
Instrument :
 BNA_F
 ClientSampleId :
 RT4743



Tgt Ion:244 Resp: 740454
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.0 7.4
 122 8.5 13.3 19.9

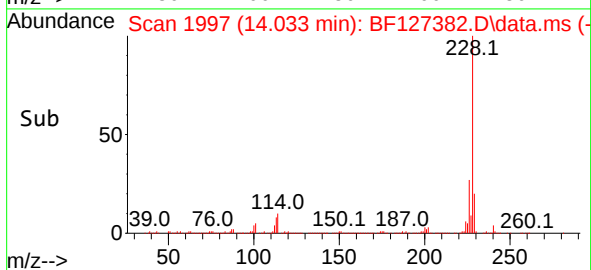
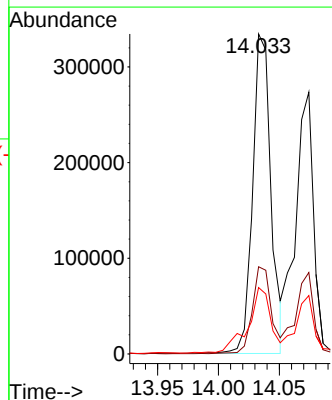
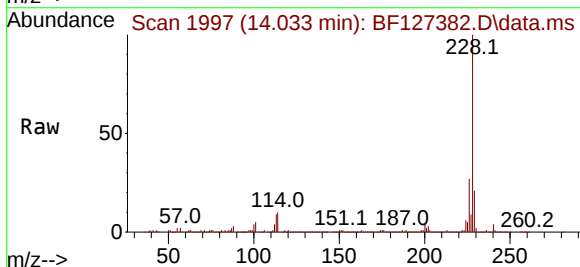
Manual Integrations
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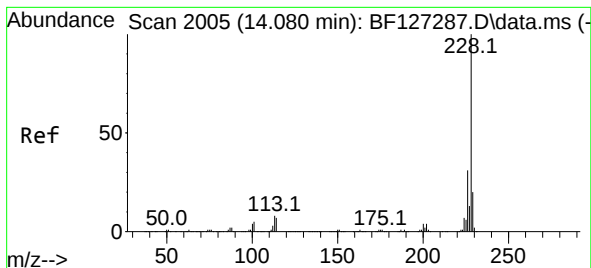
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022



#81
 Benzo(a)anthracene
 Concen: 26.863 ng
 RT: 14.033 min Scan# 1997
 Delta R.T. -0.006 min
 Lab File: BF127382.D
 Acq: 17 Mar 2022 18:14

Tgt Ion:228 Resp: 349766
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.0
 229 20.8 15.4 23.2





#83

Chrysene

Concen: 23.390 ng

RT: 14.074 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF127382.D

Acq: 17 Mar 2022 18:14

Instrument :

BNA_F

ClientSampleId :

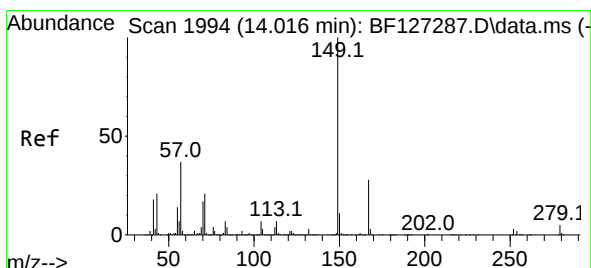
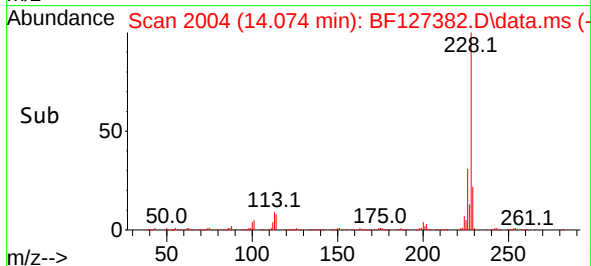
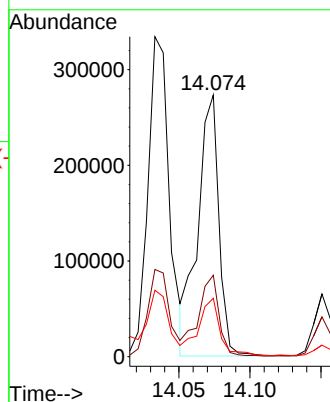
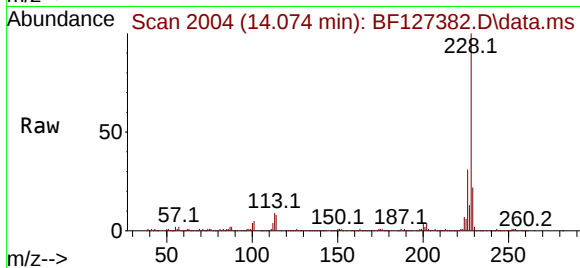
RT4743

Tgt Ion:228	Resp: 28325
Ion Ratio	Lower Upper
228 100	
226 31.1	23.7 35.5
229 22.3	15.5 23.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.954 ng

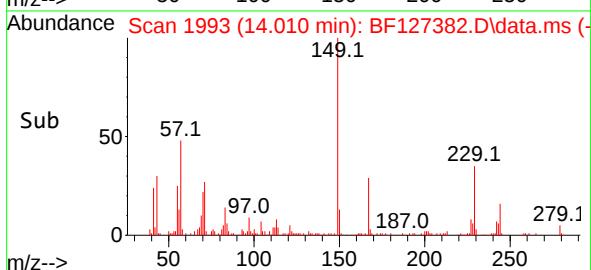
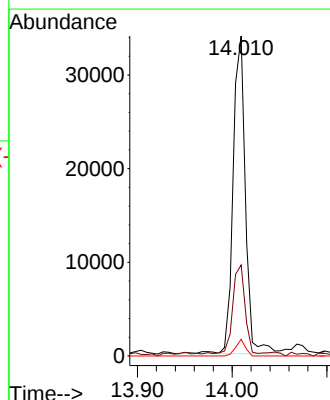
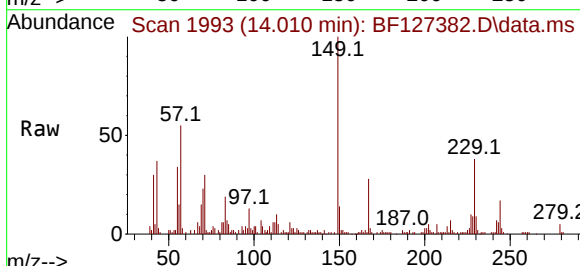
RT: 14.010 min Scan# 1993

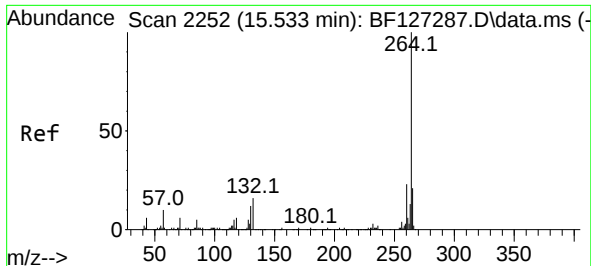
Delta R.T. -0.006 min

Lab File: BF127382.D

Acq: 17 Mar 2022 18:14

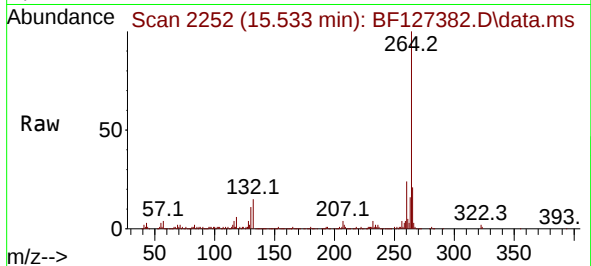
Tgt Ion:149	Resp: 30856
Ion Ratio	Lower Upper
149 100	
167 28.5	21.4 32.2
279 5.2	2.4 3.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

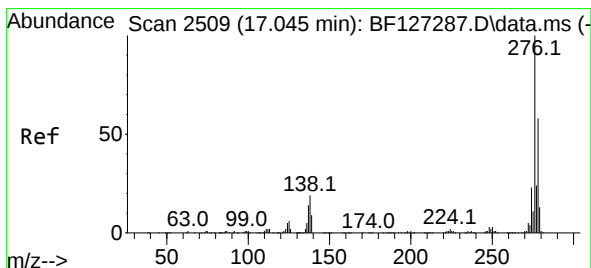
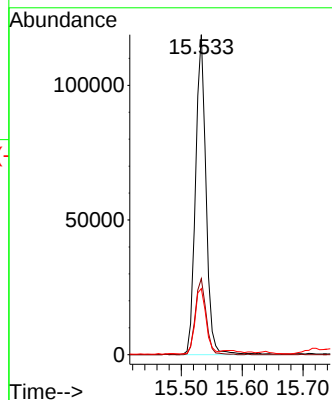
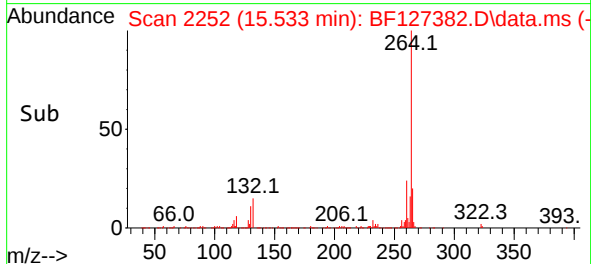
Instrument :
BNA_F
ClientSampleId :
RT4743



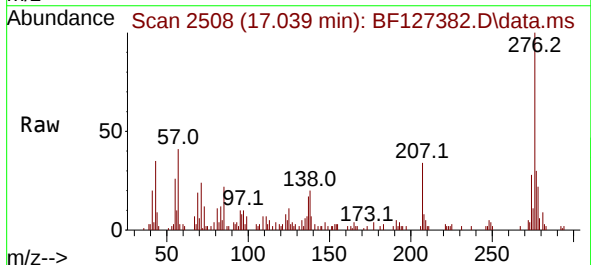
Tgt Ion:264 Resp: 14225
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 20.6 17.4 26.2

Manual Integrations
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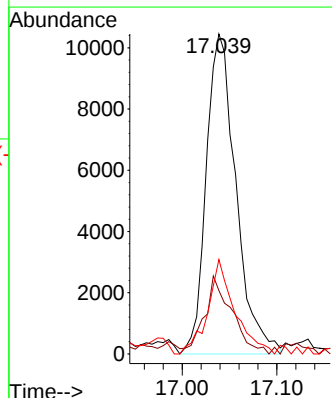
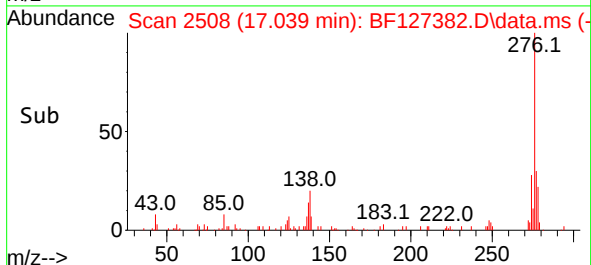
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

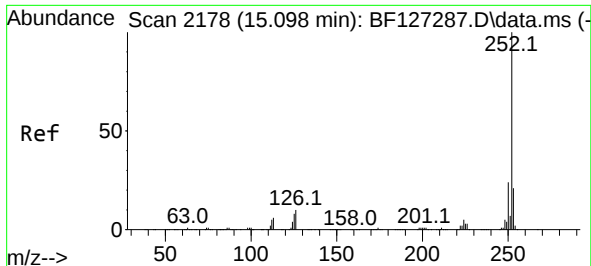


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.661 ng
RT: 17.039 min Scan# 2508
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14



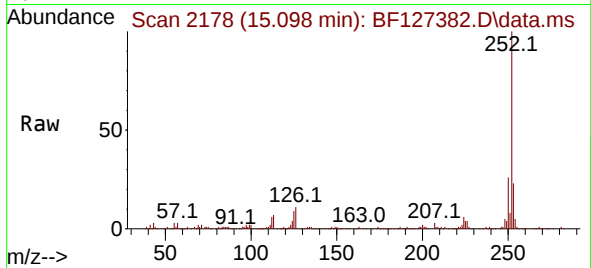
Tgt Ion:276 Resp: 22800
Ion Ratio Lower Upper
276 100
138 22.5 29.2 43.8#
277 26.7 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 19.388 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

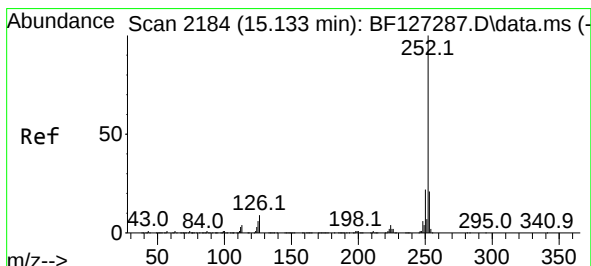
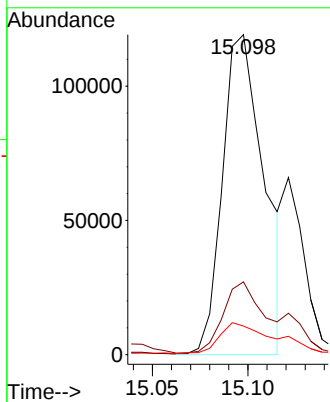
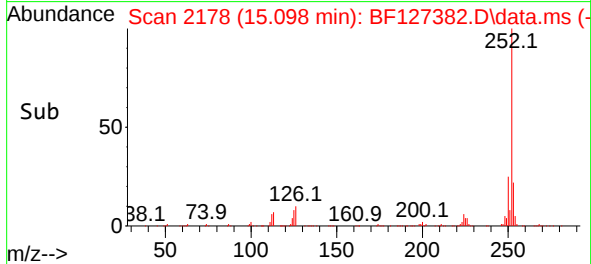
Instrument :
BNA_F
ClientSampleId :
RT4743



Tgt Ion:252 Resp: 18103
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 8.9 12.4 18.6

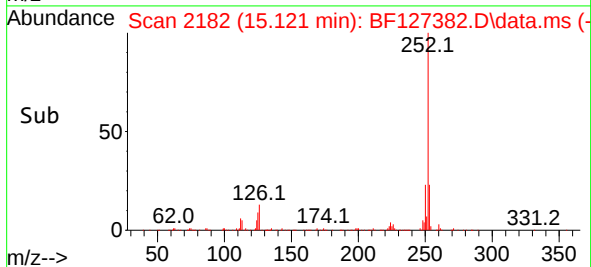
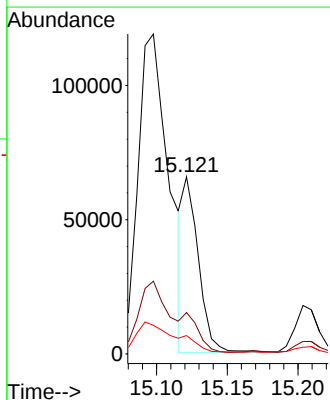
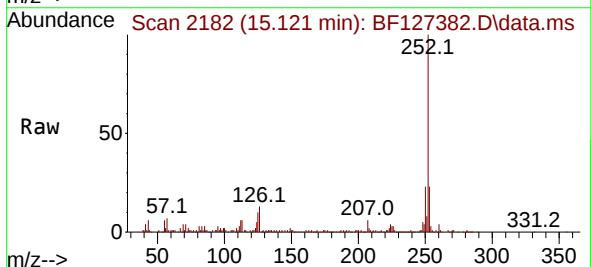
Manual Integrations
APPROVED

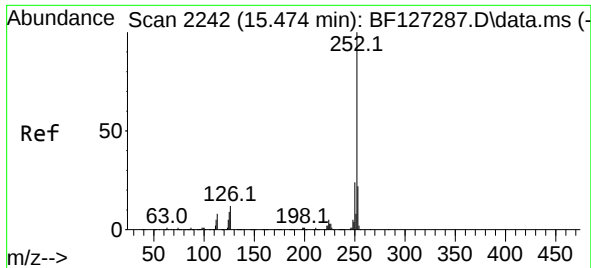
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#89
Benzo(k)fluoranthene
Concen: 5.725 ng m
RT: 15.121 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

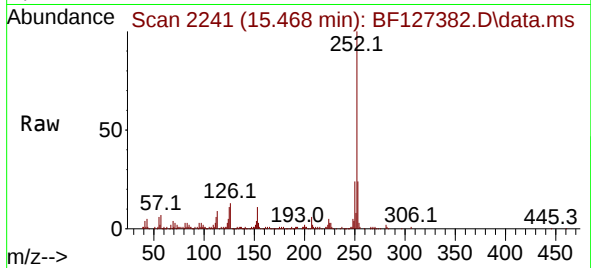
Tgt Ion:252 Resp: 50263
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.4 11.8 17.6





#90
Benzo(a)pyrene
Concen: 10.580 ng m
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

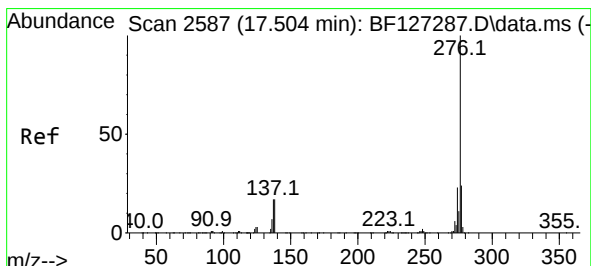
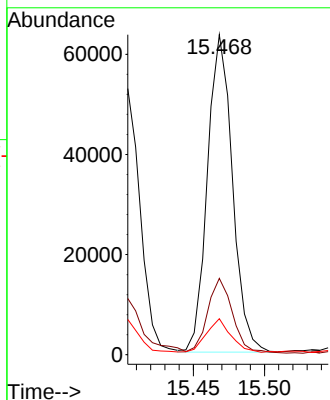
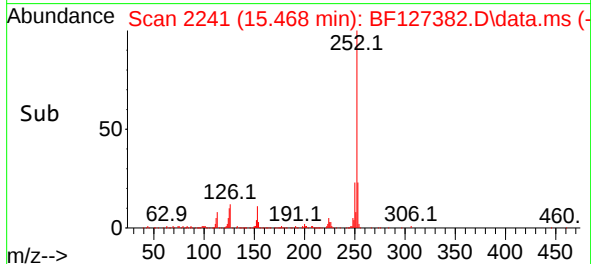
Instrument :
BNA_F
ClientSampleId :
RT4743



Tgt Ion:252 Resp: 77790
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 11.3 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#92
Benzo(g,h,i)perylene
Concen: 2.564 ng
RT: 17.498 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BF127382.D
Acq: 17 Mar 2022 18:14

Tgt Ion:276 Resp: 17841
Ion Ratio Lower Upper
276 100
277 26.5 18.5 27.7
138 17.6 25.9 38.9

