

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127241.D
 Acq On : 08 Mar 2022 01:20
 Operator : CG\JU
 Sample : N1762-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 282

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2022
 Supervised By : Jagrut Upadhyay 03/08/2022

Quant Time: Mar 08 01:55:56 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	6.881	152	90014	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	326439	20.000	ng	# 0.01
39) Acenaphthene-d10	9.933	164	180628	20.000	ng	# 0.01
64) Phenanthrene-d10	11.445	188	188004	20.000	ng	# 0.03
76) Chrysene-d12	14.080	240	140929	20.000	ng	# 0.02
86) Perylene-d12	15.562	264	158771	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	582275	99.979	ng	0.00
7) Phenol-d6	6.510	99	777851	98.981	ng	0.00
23) Nitrobenzene-d5	7.445	82	523063	72.325	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	168072	80.816	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	716757	58.417	ng	0.00
79) Terphenyl-d14	13.010	244	494467	51.578	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.522	94	15948	2.008	ng	# 50
31) Naphthalene	8.216	128	9868007	579.086	ng	# 88
37) 2-Methylnaphthalene	8.904	142	5872754	531.117	ng	95
38) 1-Methylnaphthalene	8.998	142	3415243	322.542	ng	99
46) 1,1'-Biphenyl	9.351	154	2200021	153.731	ng	95
52) Acenaphthene	10.004	154	6753870	602.435	ng	96
55) Dibenzofuran	10.163	168	6595207	427.821	ng	# 86
58) Fluorene	10.516	166	6139116	511.251	ng	99
71) Phenanthrene	11.516	178	15489518m	1471.976	ng	
72) Anthracene	11.539	178	1991948m	190.148	ng	
73) Carbazole	11.663	167	938429	97.684	ng	97
75) Fluoranthene	12.680	202	9008658	901.626	ng	93
78) Pyrene	12.910	202	6601353	539.163	ng	# 91
81) Benzo(a)anthracene	14.068	228	1784466	187.821	ng	97
83) Chrysene	14.110	228	1460239	163.441	ng	96
87) Indeno(1,2,3-cd)pyrene	17.068	276	169877	16.317	ng	# 82
88) Benzo(b)fluoranthene	15.133	252	1155532m	108.362	ng	
89) Benzo(k)fluoranthene	15.157	252	407961m	39.664	ng	
90) Benzo(a)pyrene	15.504	252	584362m	70.157	ng	
91) Dibenzo(a,h)anthracene	17.074	278	49357	5.732	ng	# 95
92) Benzo(g,h,i)perylene	17.527	276	128237	15.107	ng	# 84

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

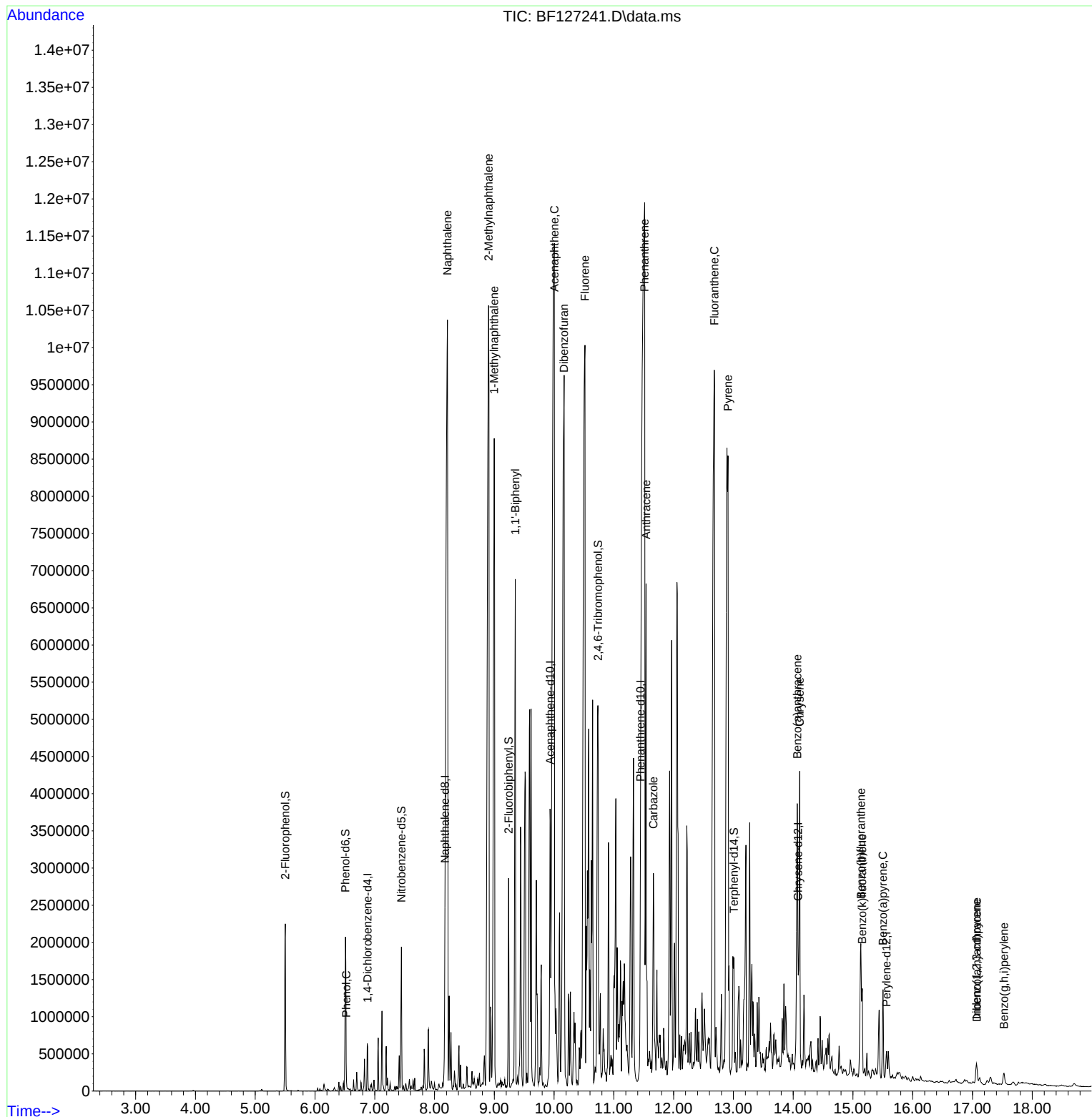
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
Data File : BF127241.D
Acq On : 08 Mar 2022 01:20
Operator : CG\JU
Sample : N1762-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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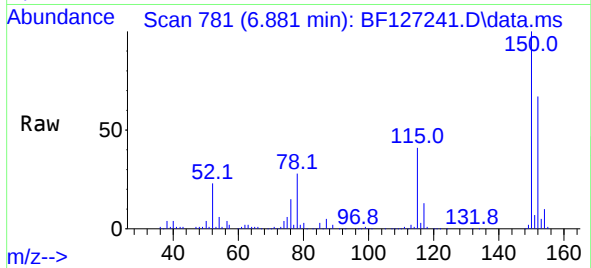
Quant Time: Mar 08 01:55:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 02:16:58 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

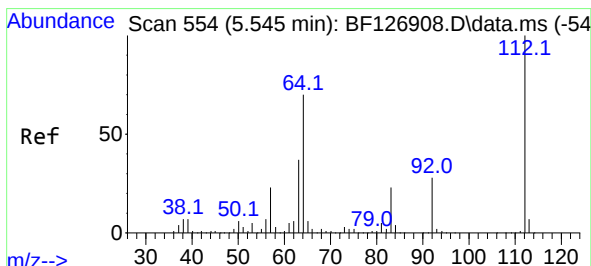
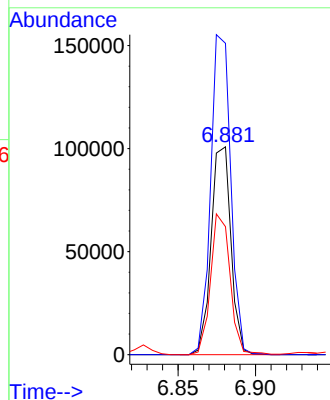
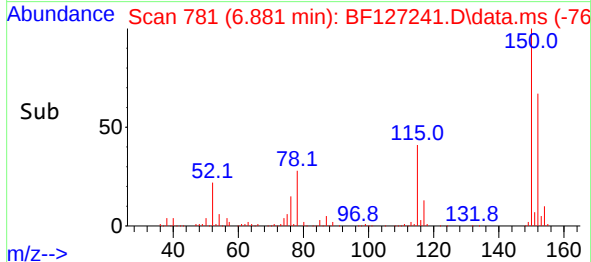
Instrument :
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282



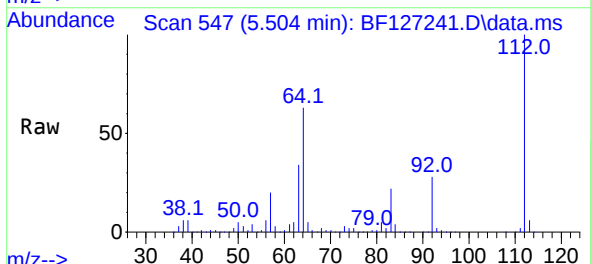
Tgt Ion:152 Resp: 90014
Ion Ratio Lower Upper
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150 149.7 128.1 192.1
115 61.6 56.7 85.1

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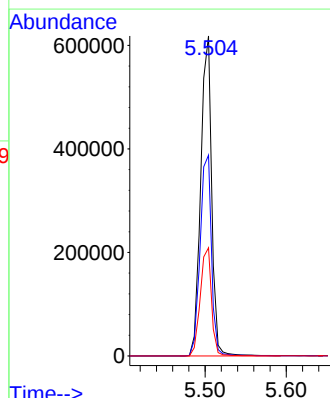
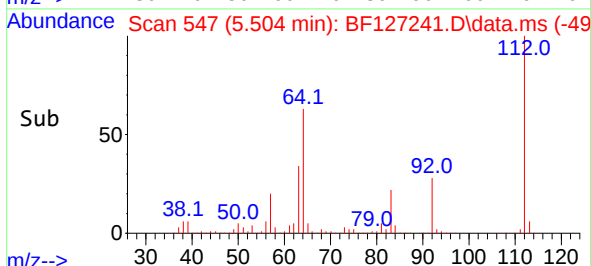
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

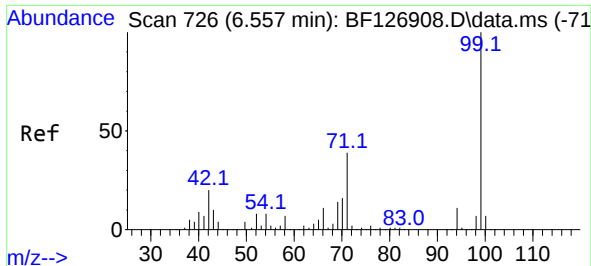


#5
2-Fluorophenol
Concen: 99.979 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



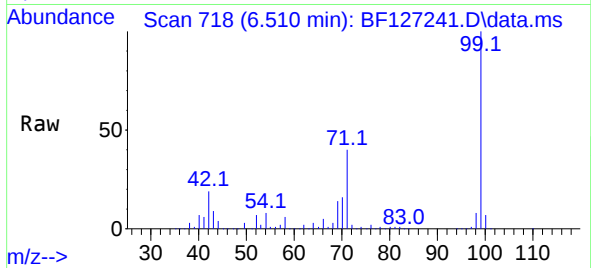
Tgt Ion:112 Resp: 582275
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 33.8 23.9 35.9





#7
Phenol-d6
Concen: 98.981 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

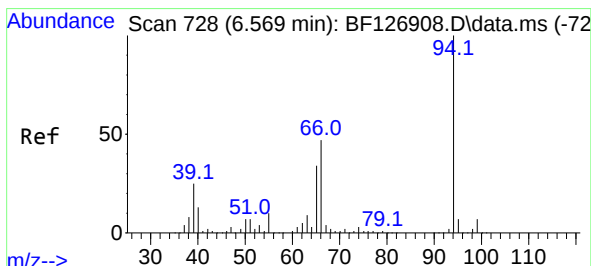
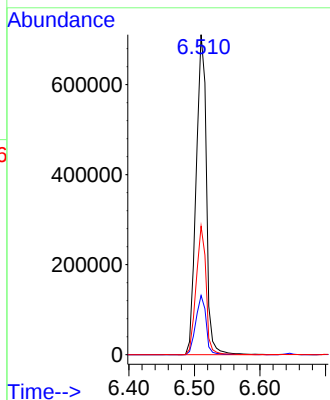
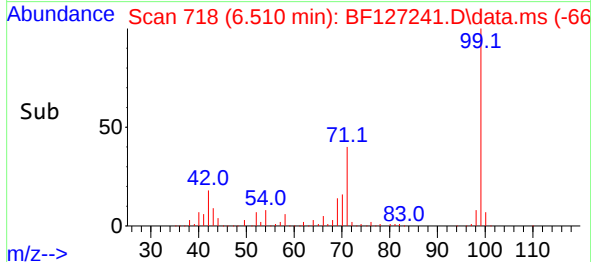
Instrument :
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ClientSampleId :
282



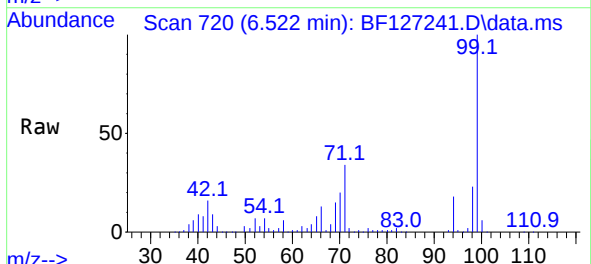
Tgt Ion: 99 Resp: 77785
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.4
71 40.2 24.3 36.5

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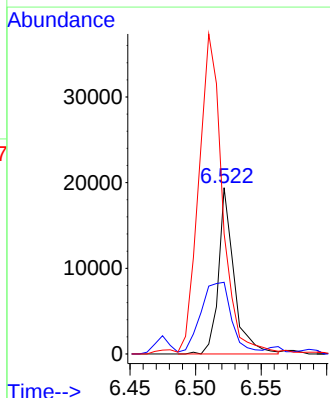
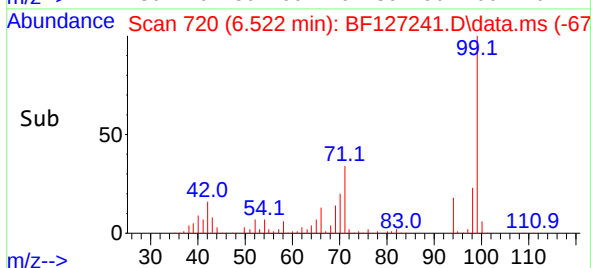
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

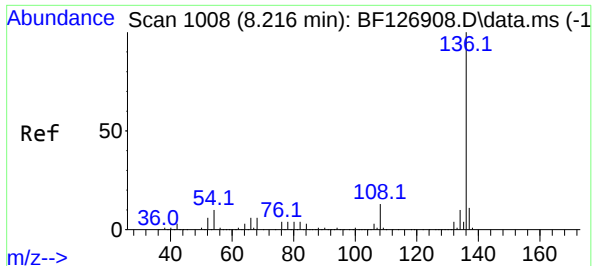


#10
Phenol
Concen: 2.008 ng
RT: 6.522 min Scan# 720
Delta R.T. -0.006 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



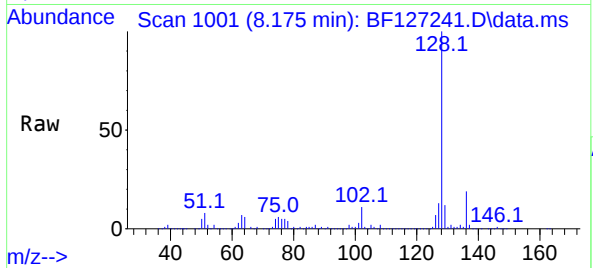
Tgt Ion: 94 Resp: 15948
Ion Ratio Lower Upper
94 100
65 43.1 7.2 47.2
66 72.4 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. 0.012 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

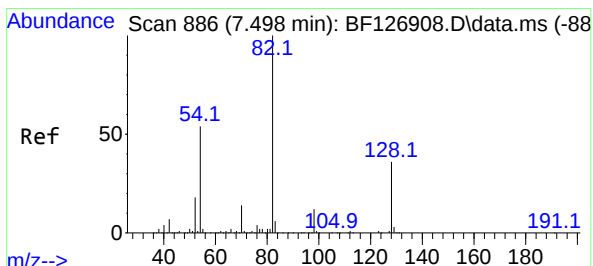
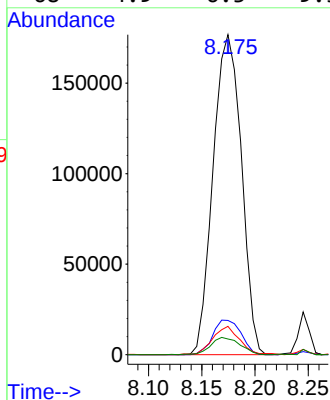
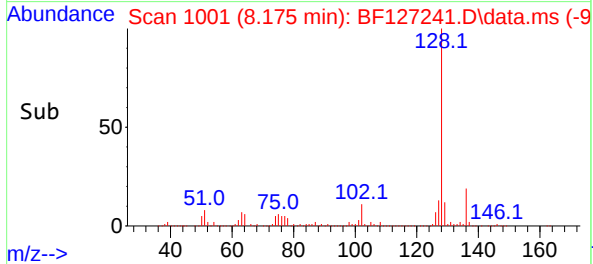
Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion:136 Resp: 326439
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.8 11.6
68 4.9 6.3 9.5#

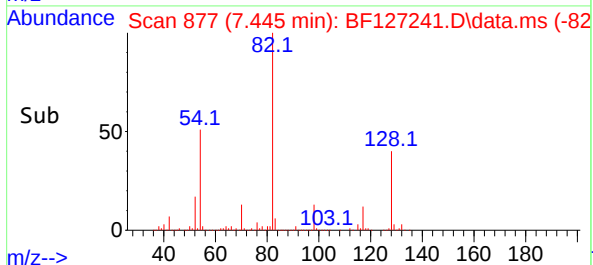
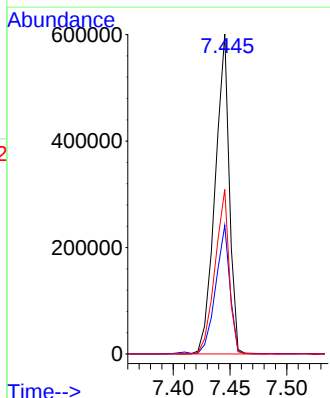
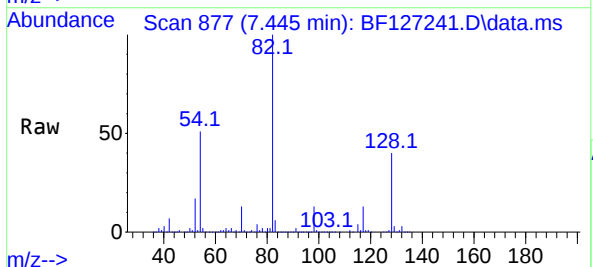
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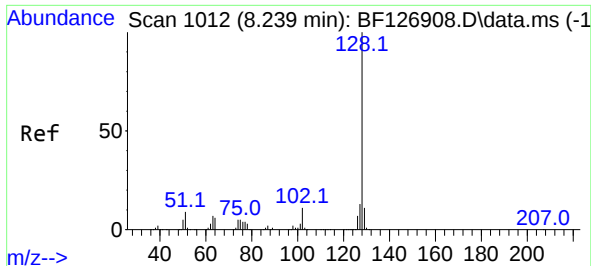
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#23
Nitrobenzene-d5
Concen: 72.325 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

Tgt Ion: 82 Resp: 523063
Ion Ratio Lower Upper
82 100
128 40.2 32.7 49.1
54 51.4 41.7 62.5





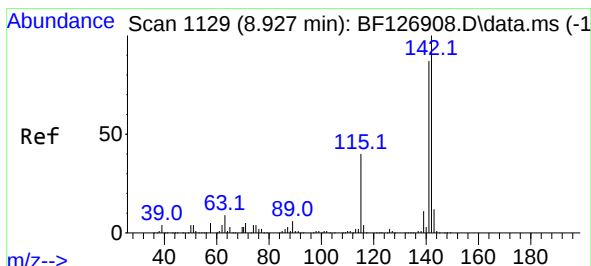
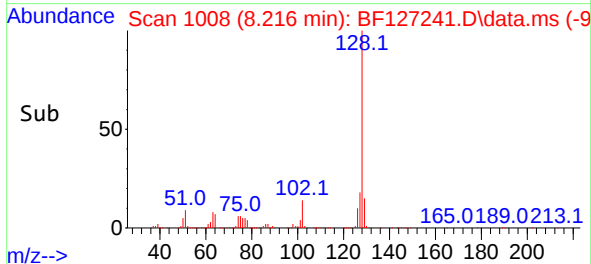
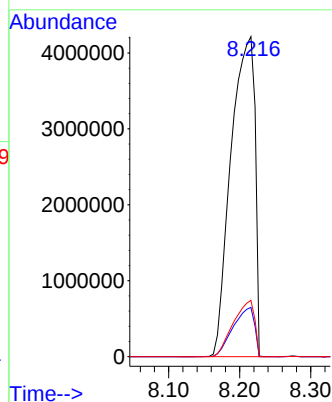
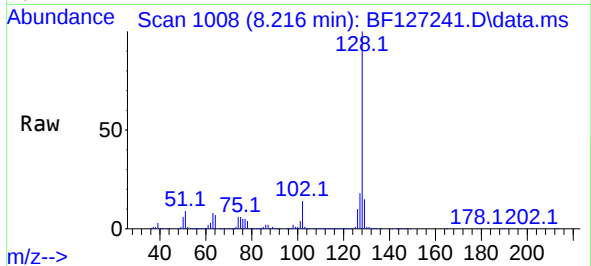
#31
Naphthalene
Concen: 579.086 ng
RT: 8.216 min Scan# 1012
Delta R.T. 0.029 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

Instrument :
BNA_F
ClientSampleId :
282

Tgt Ion:128 Resp: 986800
Ion Ratio Lower Upper
128 100
129 15.4 8.6 13.0
127 17.6 10.3 15.5

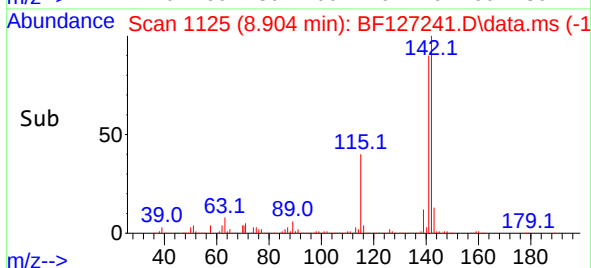
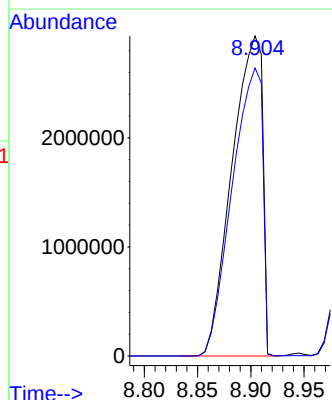
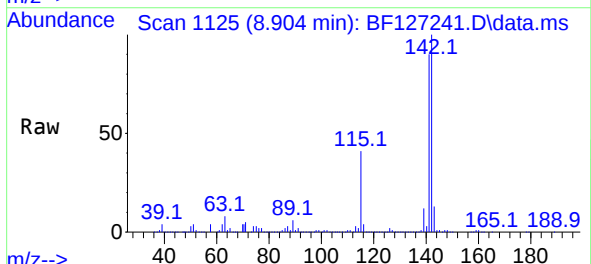
Manual Integrations
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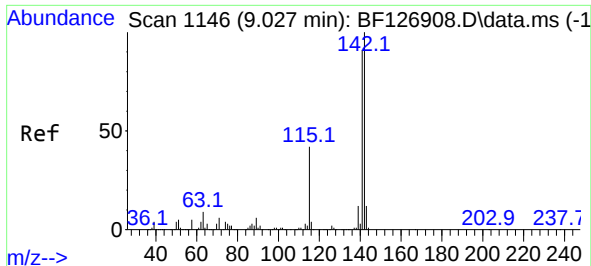
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#37
2-Methylnaphthalene
Concen: 531.117 ng
RT: 8.904 min Scan# 1125
Delta R.T. 0.029 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

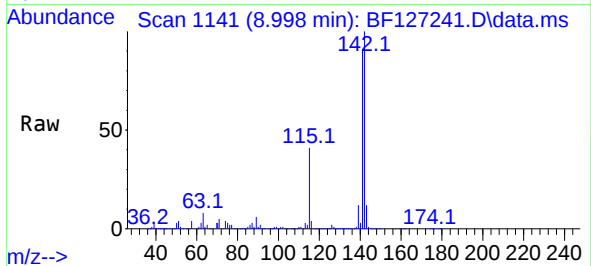
Tgt Ion:142 Resp: 5872754
Ion Ratio Lower Upper
142 100
141 90.0 68.6 102.8





#38
1-Methylnaphthalene
Concen: 322.542 ng
RT: 8.998 min Scan# 1146
Delta R.T. 0.023 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

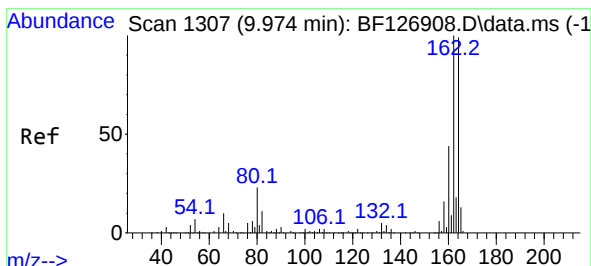
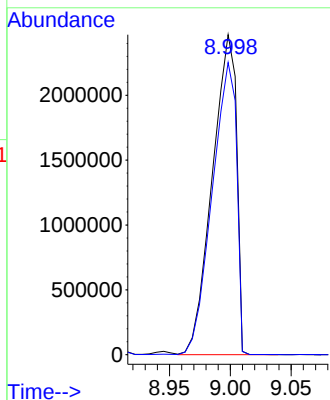
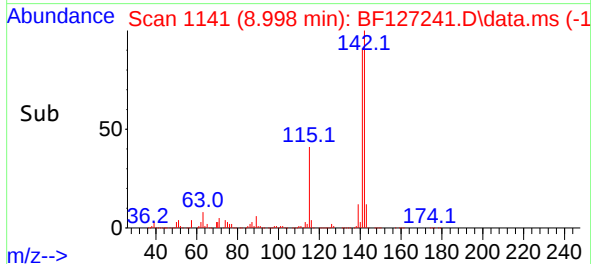
Instrument :
BNA_F
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282



Tgt Ion:142 Resp: 341524
Ion Ratio Lower Upper
142 100
141 91.3 72.1 108.1

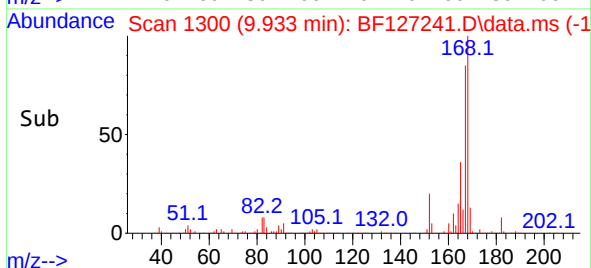
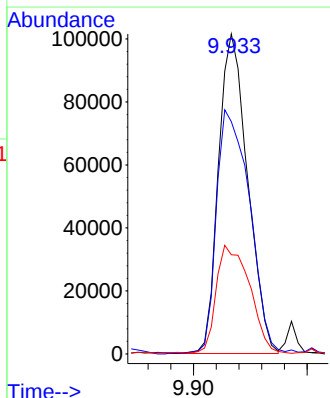
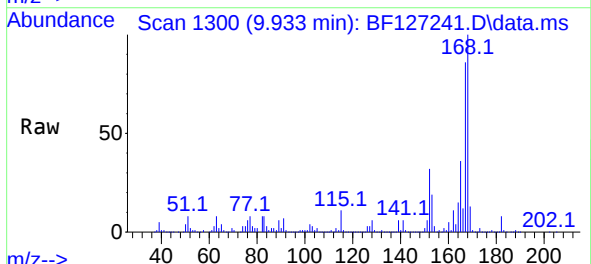
Manual Integrations
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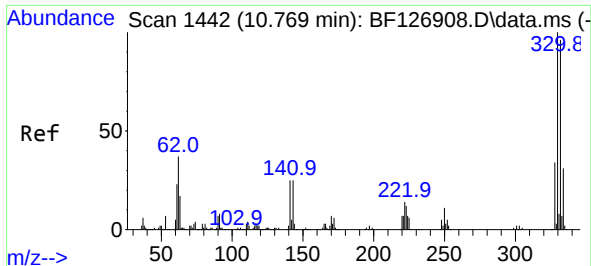
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. 0.012 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

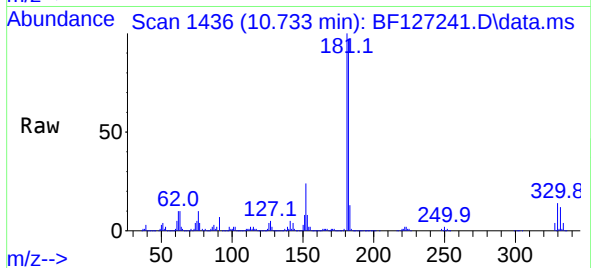
Tgt Ion:164 Resp: 180628
Ion Ratio Lower Upper
164 100
162 72.6 81.4 122.0#
160 31.0 36.6 54.8#





#42
2,4,6-Tribromophenol
Concen: 80.816 ng
RT: 10.733 min Scan# 1442
Delta R.T. 0.018 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

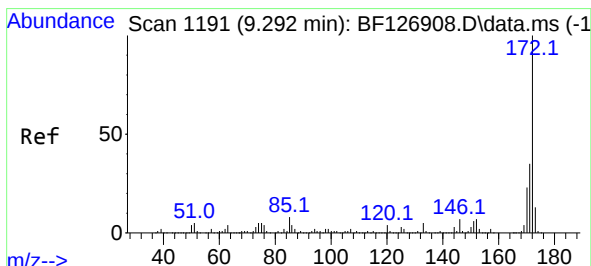
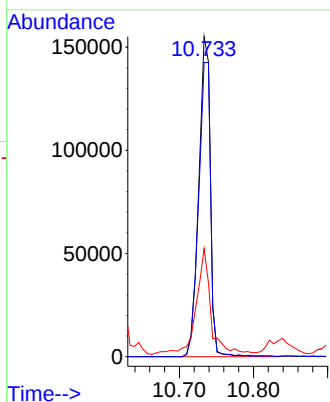
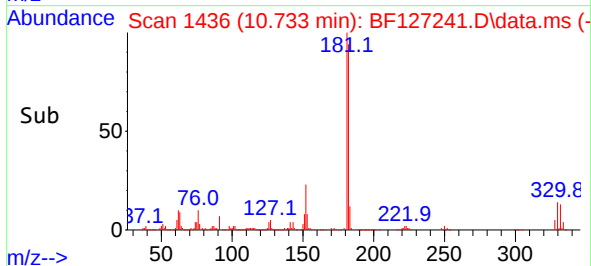
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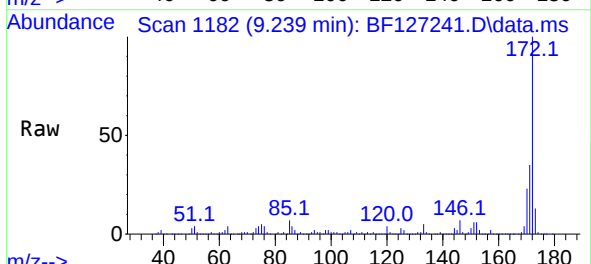
Tgt Ion:330 Resp: 168072
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 41.9 30.1 45.1

Manual Integrations
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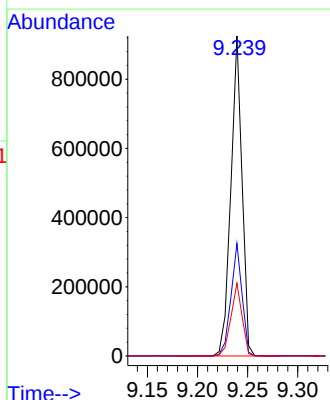
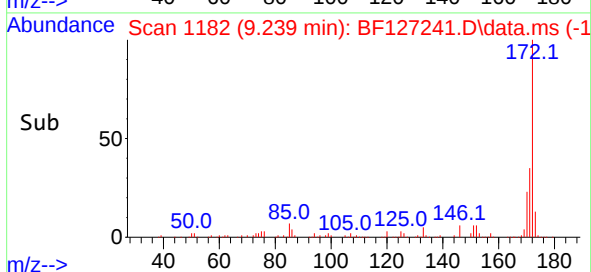
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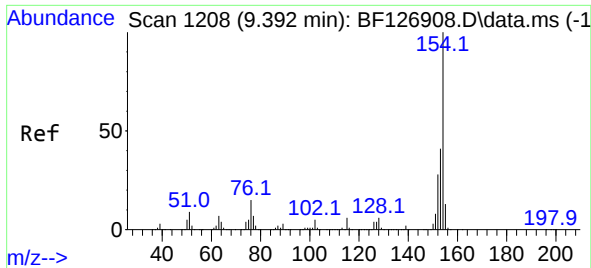


#45
2-Fluorobiphenyl
Concen: 58.417 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



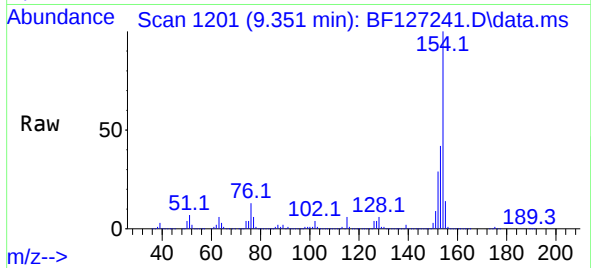
Tgt Ion:172 Resp: 716757
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.8 19.0 28.6





#46
1,1'-Biphenyl
Concen: 153.731 ng
RT: 9.351 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

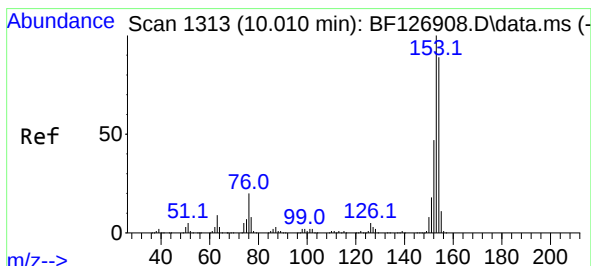
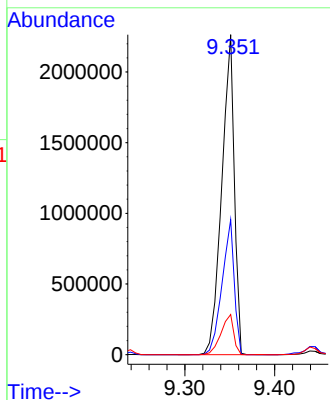
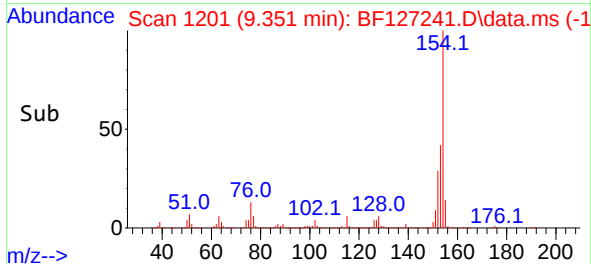
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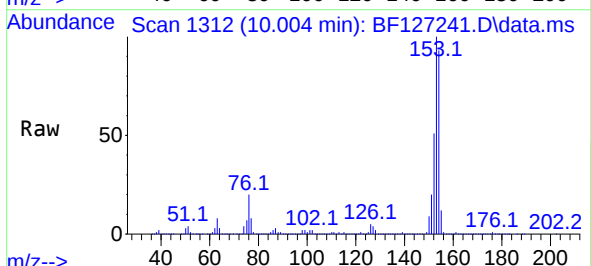
Tgt Ion:154 Resp: 220002
Ion Ratio Lower Upper
154 100
153 42.2 19.0 59.0
76 12.6 0.0 34.5

Manual Integrations
APPROVED

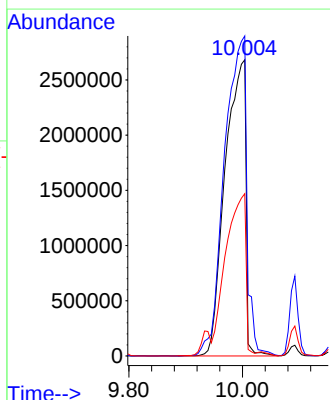
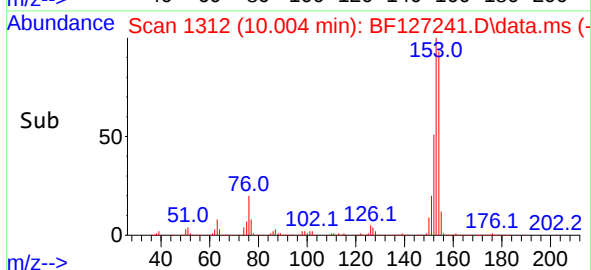
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

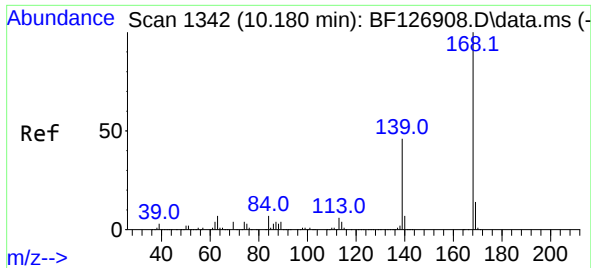


#52
Acenaphthene
Concen: 602.435 ng
RT: 10.004 min Scan# 1312
Delta R.T. 0.047 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



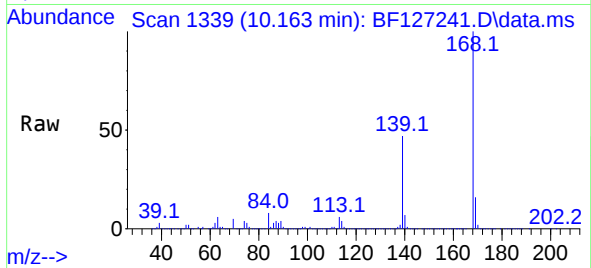
Tgt Ion:154 Resp: 6753870
Ion Ratio Lower Upper
154 100
153 108.1 87.8 131.6
152 54.8 39.4 59.2





#55
Dibenzenofuran
Concen: 427.821 ng
RT: 10.163 min Scan# 1339
Delta R.T. 0.035 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

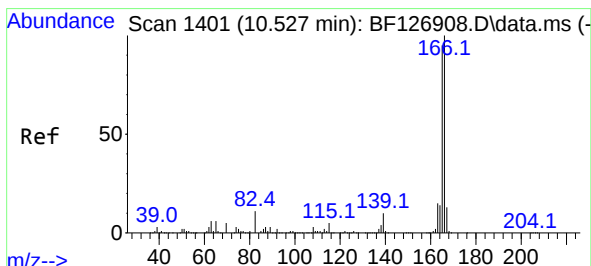
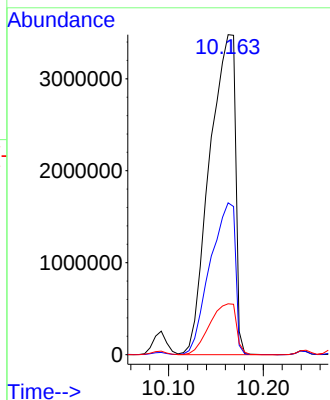
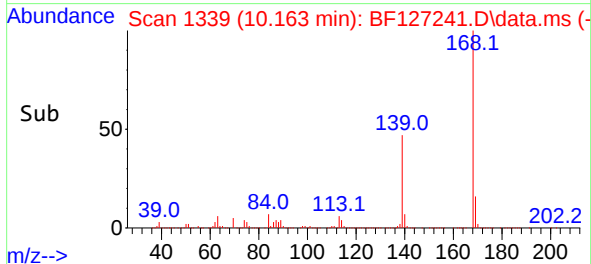
Instrument :
BNA_F
ClientSampleId :
282



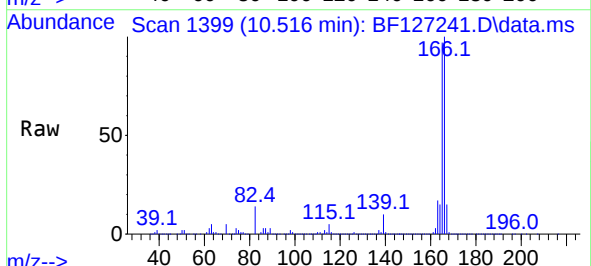
Tgt Ion:168 Resp: 659520
Ion Ratio Lower Upper
168 100
139 47.4 30.6 46.0
169 15.9 10.0 15.0

Manual Integrations
APPROVED

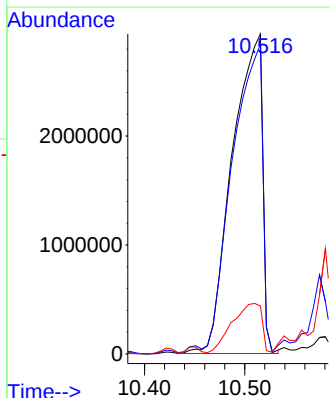
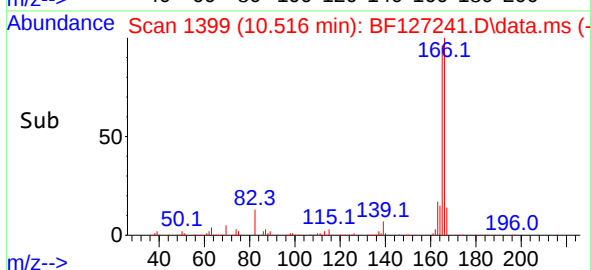
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

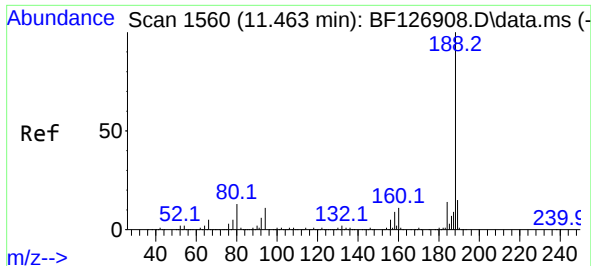


#58
Fluorene
Concen: 511.251 ng
RT: 10.516 min Scan# 1399
Delta R.T. 0.041 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



Tgt Ion:166 Resp: 6139116
Ion Ratio Lower Upper
166 100
165 96.8 77.7 116.5
167 15.0 10.7 16.1





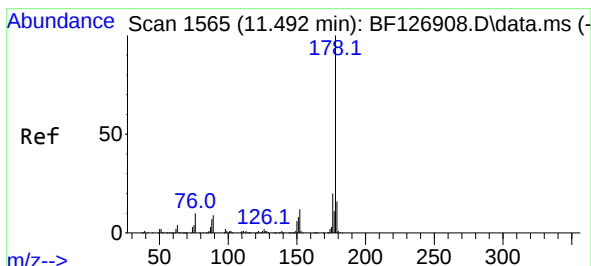
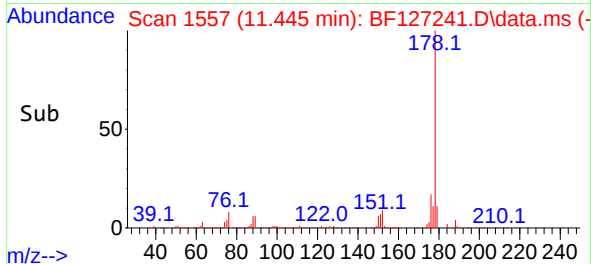
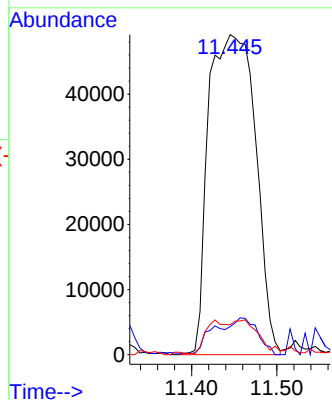
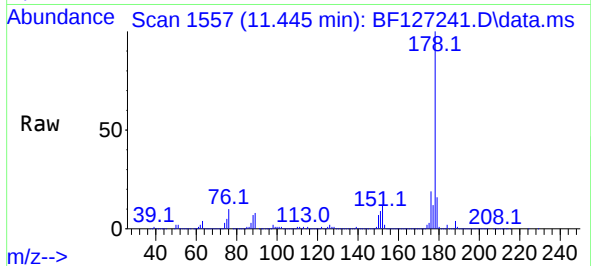
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

Instrument :
BNA_F
ClientSampleId :
282

Tgt Ion:188 Resp: 188004
Ion Ratio Lower Upper
188 100
94 8.8 10.1 15.1
80 9.3 11.8 17.6

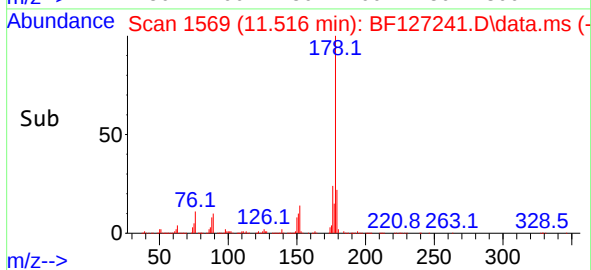
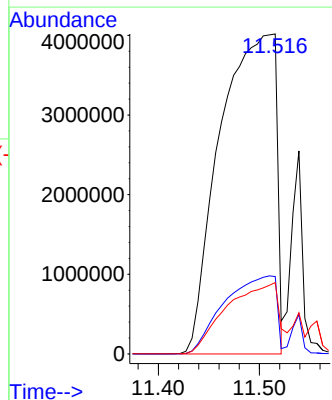
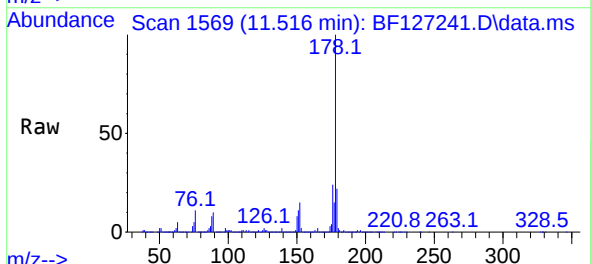
Manual Integrations
APPROVED

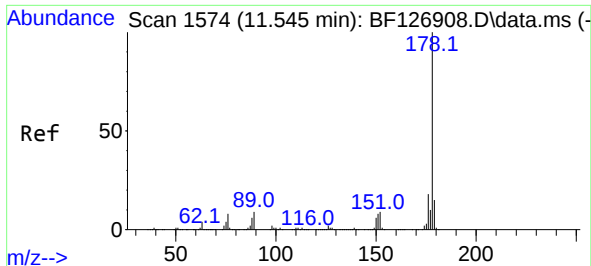
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#71
Phenanthrene
Concen: 1471.976 ng m
RT: 11.516 min Scan# 1569
Delta R.T. 0.076 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

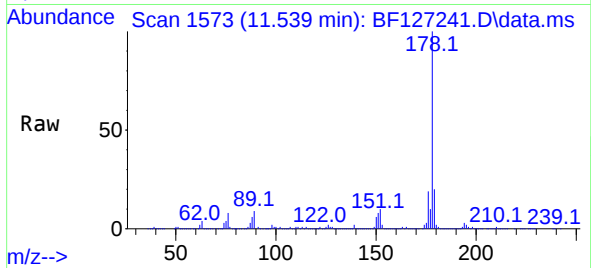
Tgt Ion:178 Resp:15489518
Ion Ratio Lower Upper
178 100
176 24.2 15.7 23.5#
179 22.3 12.3 18.5#





#72
 Anthracene
 Concen: 190.148 ng m
 RT: 11.539 min Scan# 1594
 Delta R.T. 0.047 min
 Lab File: BF127241.D
 Acq: 08 Mar 2022 01:20

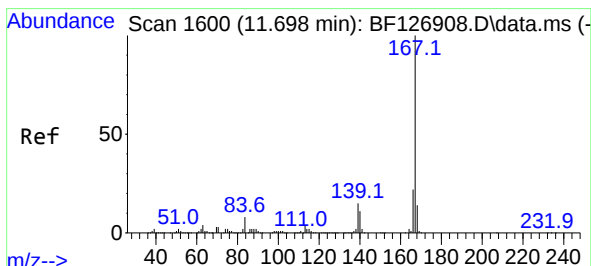
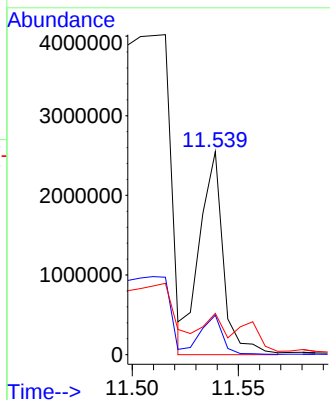
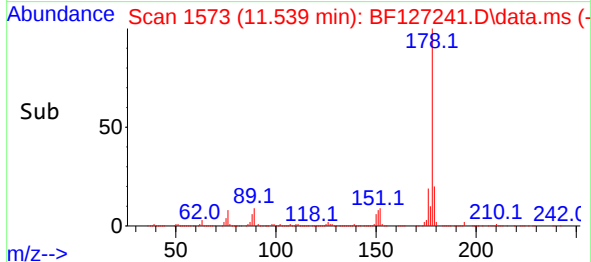
Instrument :
 BNA_F
 ClientSampleId :
 282



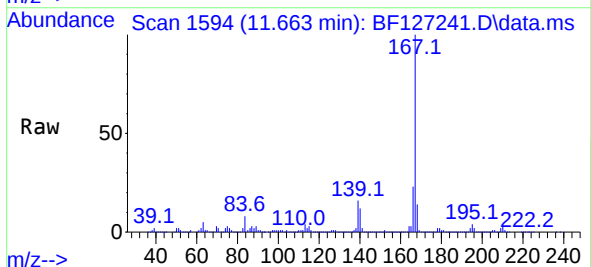
Tgt Ion:178 Resp: 199194
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.6
 179 20.3 12.5 18.7

Manual Integrations
 APPROVED

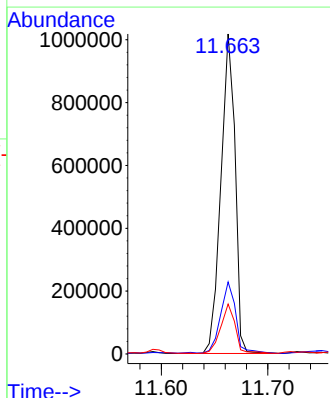
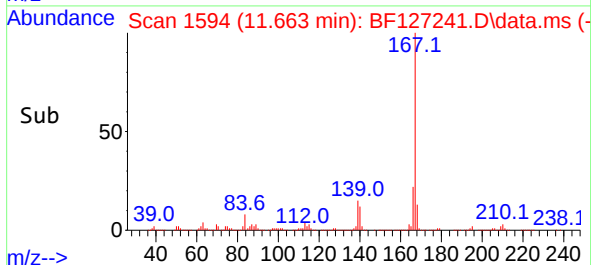
Reviewed By :Christian Giraldo 03/08/2022
 Supervised By :Jagrut Upadhyay 03/08/2022

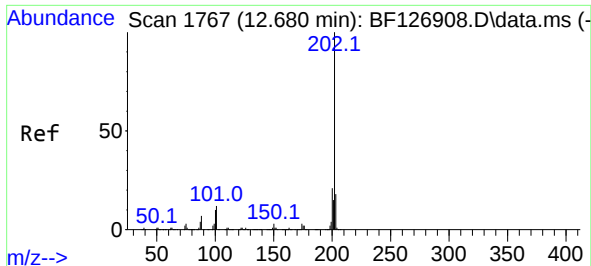


#73
 Carbazole
 Concen: 97.684 ng
 RT: 11.663 min Scan# 1594
 Delta R.T. 0.012 min
 Lab File: BF127241.D
 Acq: 08 Mar 2022 01:20



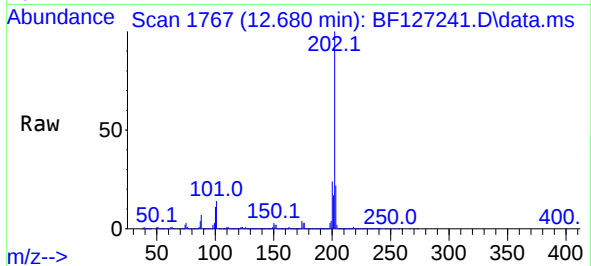
Tgt Ion:167 Resp: 938429
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.9 25.3
 139 15.6 11.3 16.9





#75
Fluoranthene
Concen: 901.626 ng
RT: 12.680 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

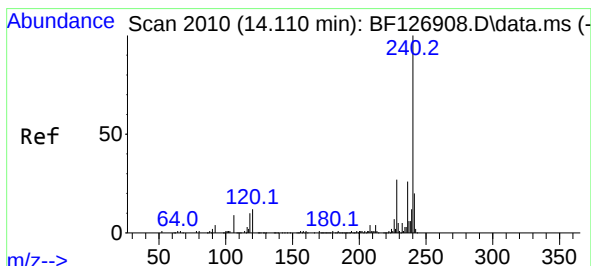
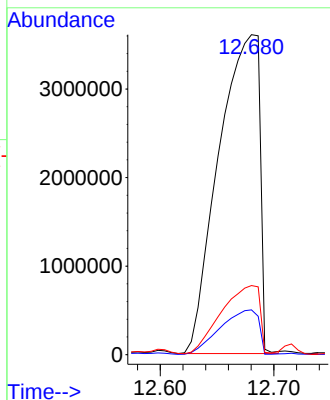
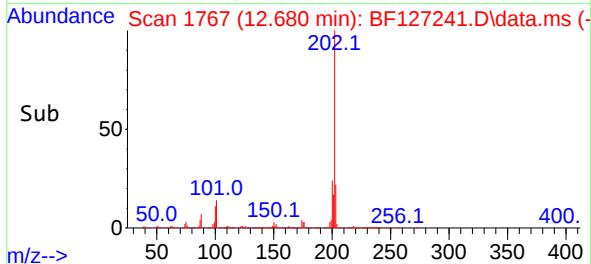
Instrument :
BNA_F
ClientSampleId :
282



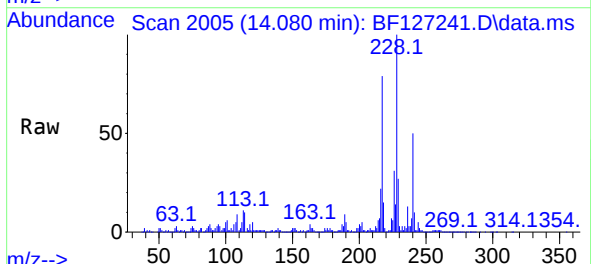
Tgt Ion:202 Resp: 900865
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.7
203 21.6 0.0 37.1

Manual Integrations
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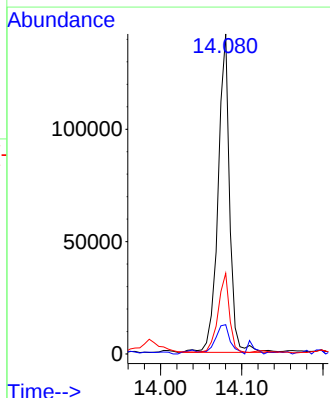
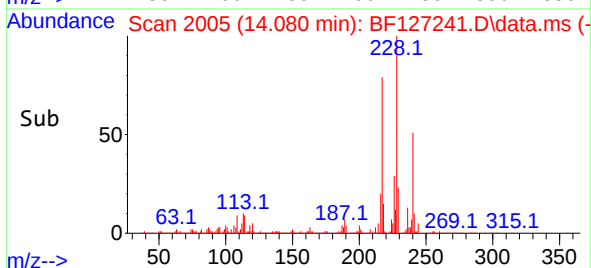
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

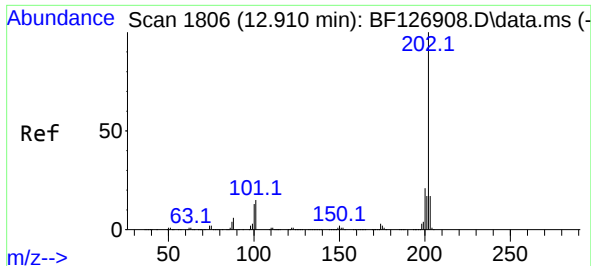


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.017 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



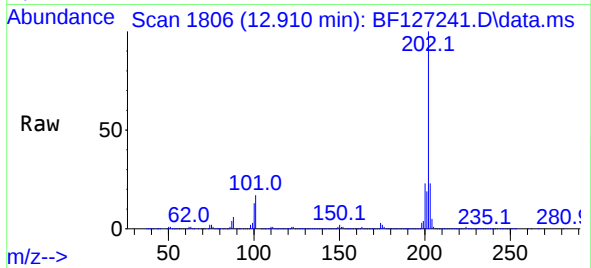
Tgt Ion:240 Resp: 140929
Ion Ratio Lower Upper
240 100
120 9.2 14.4 21.6#
236 25.2 20.5 30.7





#78
Pyrene
Concen: 539.163 ng
RT: 12.910 min Scan# 1806
Delta R.T. 0.047 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

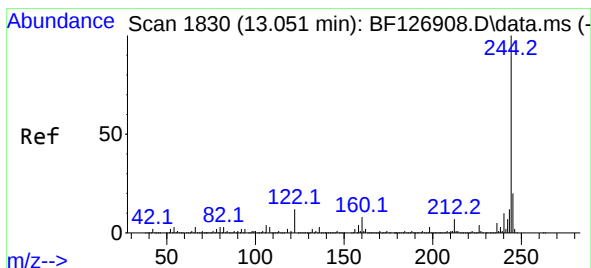
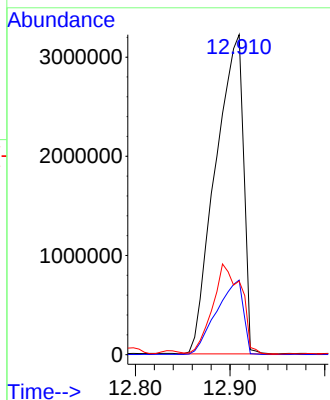
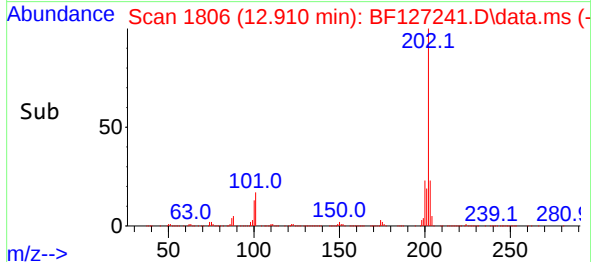
Instrument :
BNA_F
ClientSampleId :
282



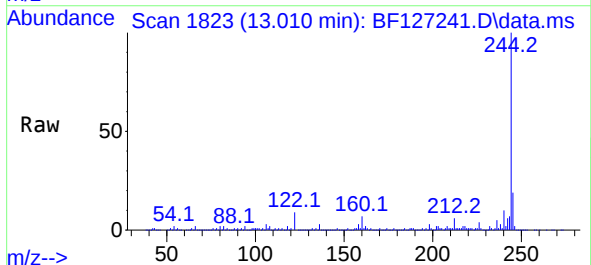
Tgt Ion:202 Resp: 660135
Ion Ratio Lower Upper
202 100
200 23.3 16.6 24.8
203 23.0 13.8 20.8

Manual Integrations
APPROVED

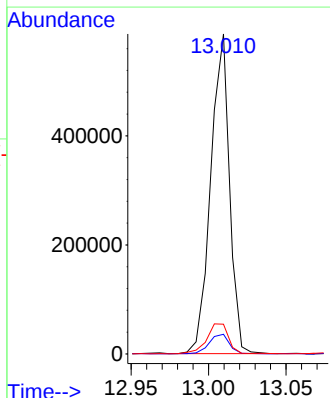
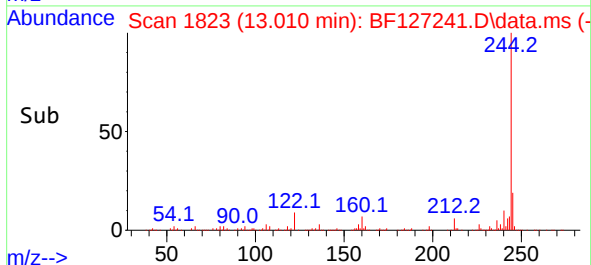
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

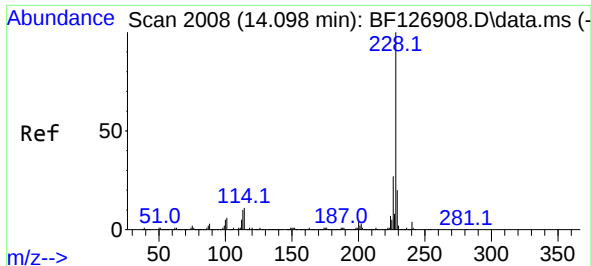


#79
Terphenyl-d14
Concen: 51.578 ng
RT: 13.010 min Scan# 1823
Delta R.T. 0.012 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



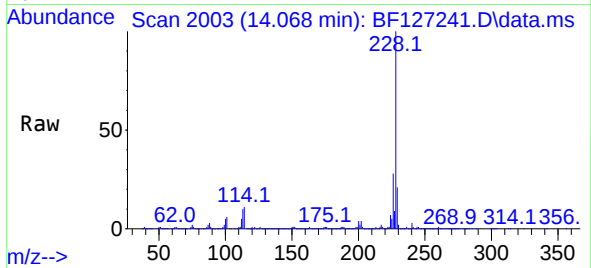
Tgt Ion:244 Resp: 494467
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.3 13.3 19.9





#81
Benzo(a)anthracene
Concen: 187.821 ng
RT: 14.068 min Scan# 2010
Delta R.T. 0.017 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

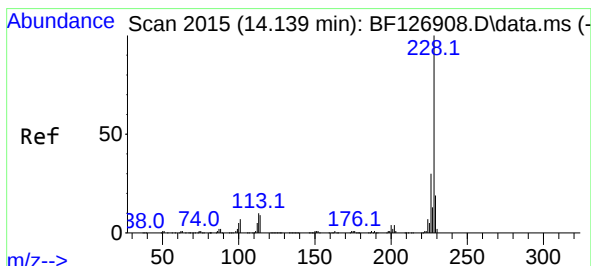
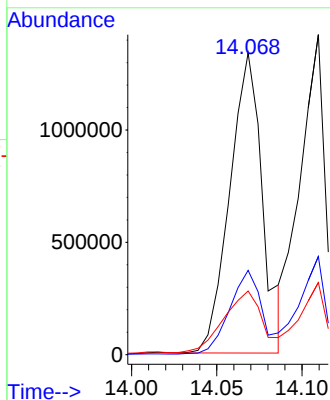
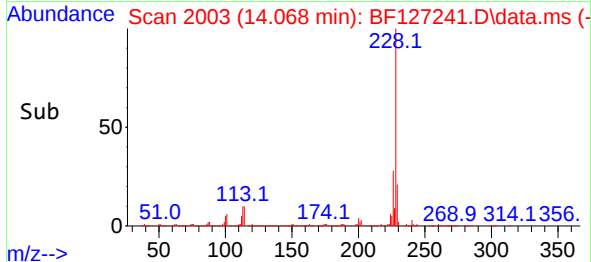
Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion:228 Resp: 1784460
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 21.1 15.4 23.2

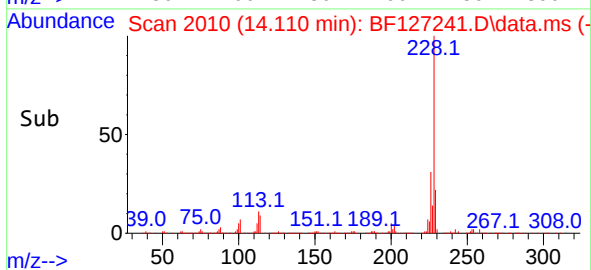
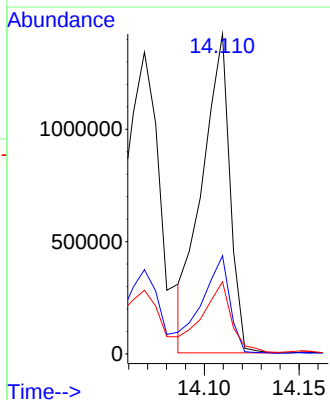
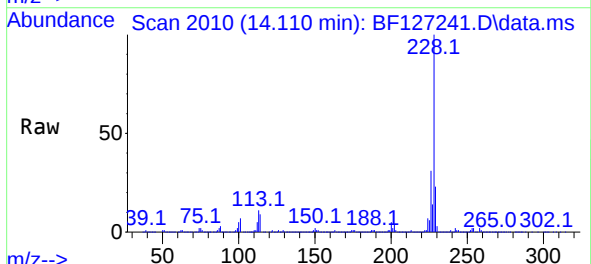
Manual Integrations
APPROVED

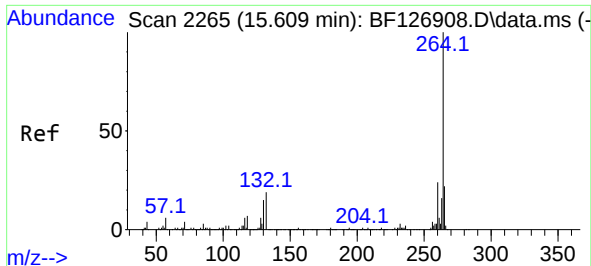
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#83
Chrysene
Concen: 163.441 ng
RT: 14.110 min Scan# 2010
Delta R.T. 0.023 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

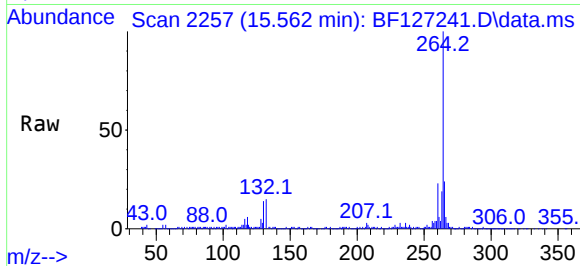
Tgt Ion:228 Resp: 1460239
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 22.6 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

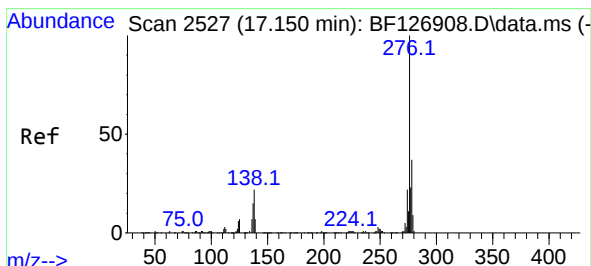
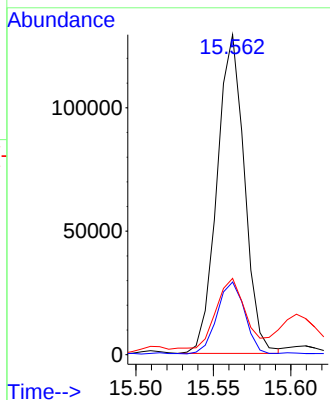
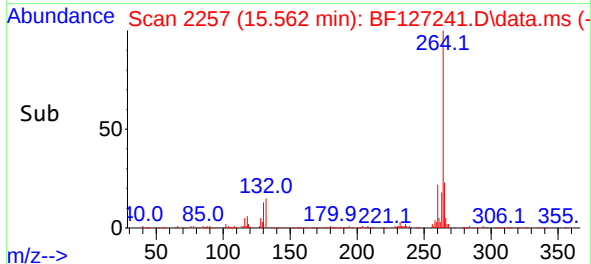
Instrument :
BNA_F
ClientSampleId :
282



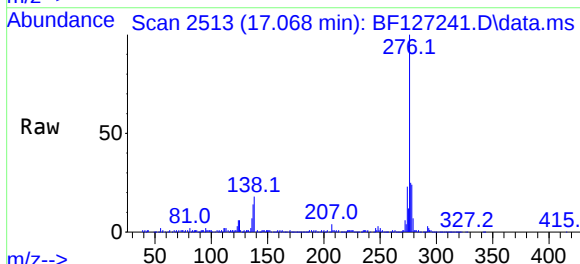
Tgt Ion:264 Resp: 158777
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 23.9 17.4 26.2

Manual Integrations
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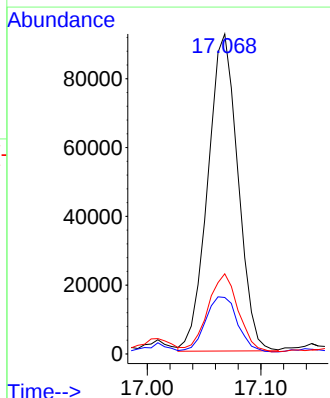
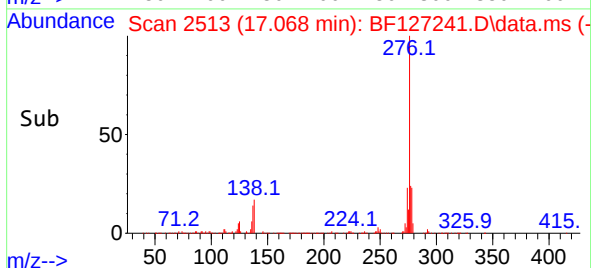
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

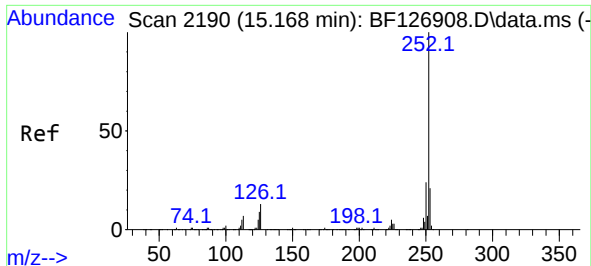


#87
Indeno(1,2,3-cd)pyrene
Concen: 16.317 ng
RT: 17.068 min Scan# 2513
Delta R.T. 0.012 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20



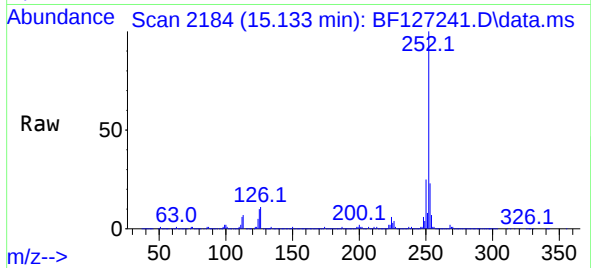
Tgt Ion:276 Resp: 169877
Ion Ratio Lower Upper
276 100
138 18.6 29.2 43.8#
277 24.5 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 108.362 ng m
RT: 15.133 min Scan# 2182
Delta R.T. 0.023 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

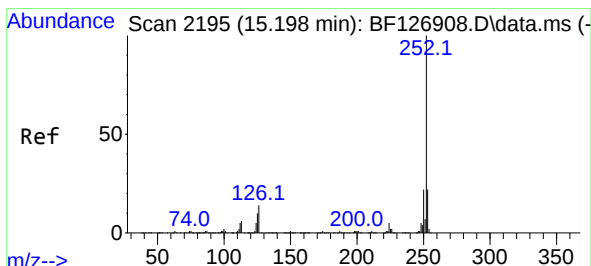
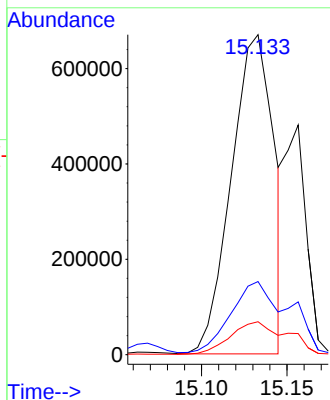
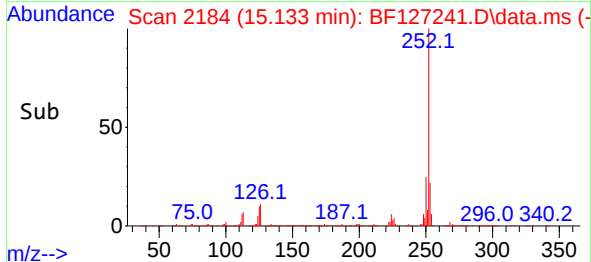
Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion:252 Resp: 115553
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.3 12.4 18.6

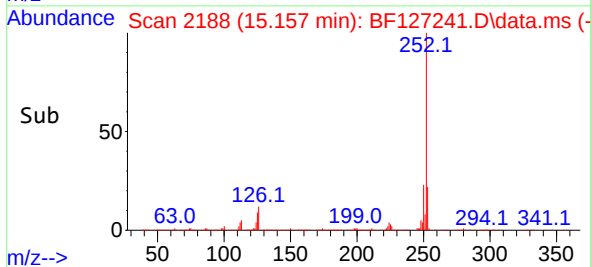
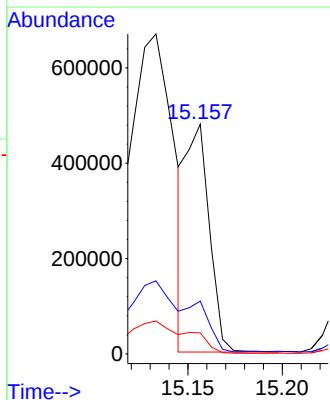
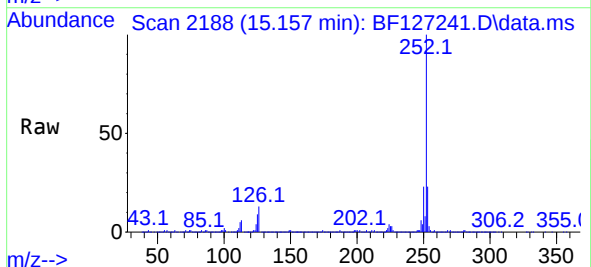
Manual Integrations
APPROVED

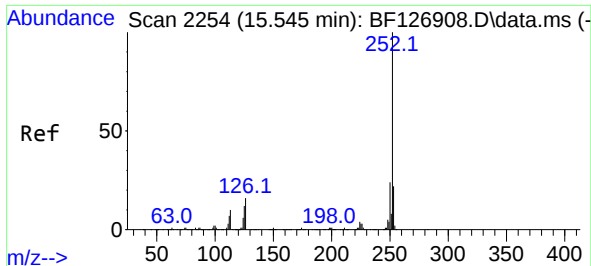
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#89
Benzo(k)fluoranthene
Concen: 39.664 ng m
RT: 15.157 min Scan# 2188
Delta R.T. 0.017 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

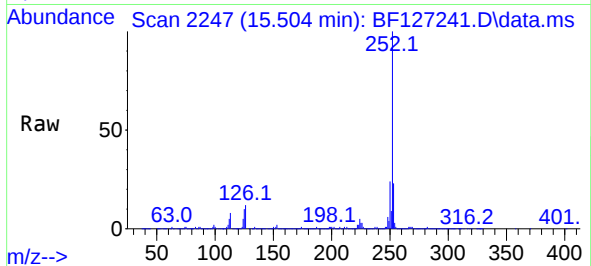
Tgt Ion:252 Resp: 407961
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.2 11.8 17.6#





#90
Benzo(a)pyrene
Concen: 70.157 ng m
RT: 15.504 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

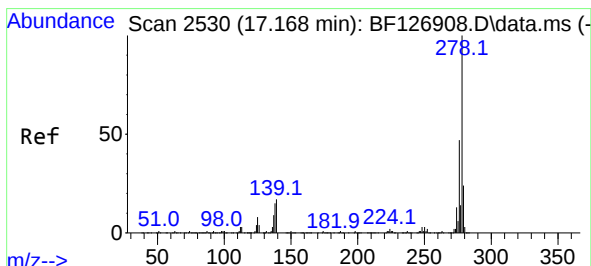
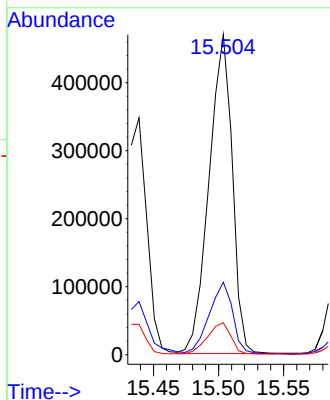
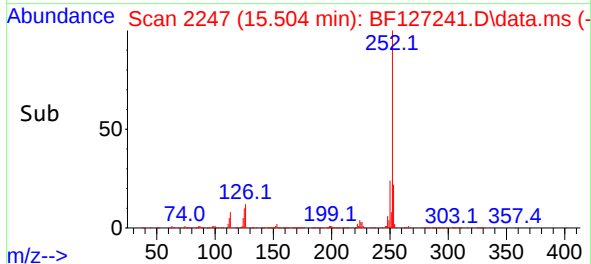
Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion:252 Resp: 58436
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 10.0 13.0 19.6

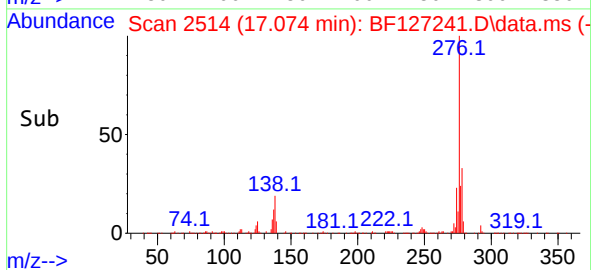
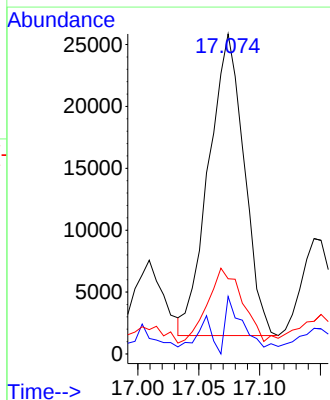
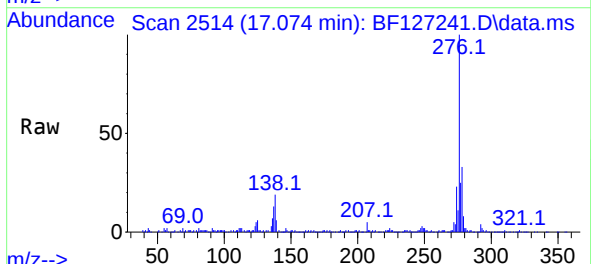
Manual Integrations
APPROVED

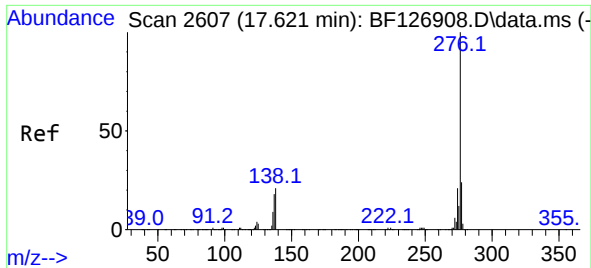
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.732 ng
RT: 17.074 min Scan# 2514
Delta R.T. -0.000 min
Lab File: BF127241.D
Acq: 08 Mar 2022 01:20

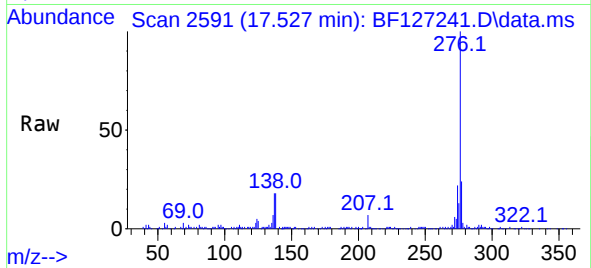
Tgt Ion:278 Resp: 49357
Ion Ratio Lower Upper
278 100
139 17.9 18.0 27.0#
279 23.5 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 15.107 ng
 RT: 17.527 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF127241.D
 Acq: 08 Mar 2022 01:20

Instrument :
 BNA_F
 ClientSampleId :
 282



Tgt Ion: 276 Resp: 12823

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.5	27.7
138	18.2	25.9	38.9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2022
 Supervised By : Jagrut Upadhyay 03/08/2022

