

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
 Data File : BF126931.D
 Acq On : 17 Feb 2022 17:18
 Operator : CG\JU
 Sample : N1571-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Feb 18 03:43:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/18/2022
 Supervised By : Jagrut Upadhyay 02/18/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	92871	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	370143	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	185278	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	313133	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	170790	20.000	ng	# 0.00
86) Perylene-d12	15.604	264	176450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	723026	120.327	ng	0.00
7) Phenol-d6	6.551	99	953352	117.581	ng	0.00
23) Nitrobenzene-d5	7.492	82	677208	82.583	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	261788	122.719	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1014968	80.646	ng	0.00
79) Terphenyl-d14	13.045	244	898770	77.360	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.557	94	19800	2.417	ng	# 29
31) Naphthalene	8.233	128	288660	14.939	ng	99
37) 2-Methylnaphthalene	8.922	142	205680	16.405	ng	98
38) 1-Methylnaphthalene	9.022	142	158801	13.227	ng	99
46) 1,1'-Biphenyl	9.386	154	69618	4.743	ng	96
52) Acenaphthene	10.004	154	456253	39.676	ng	97
55) Dibenzofuran	10.175	168	566863	35.849	ng	90
58) Fluorene	10.522	166	679959	55.204	ng	98
71) Phenanthrene	11.492	178	2233781	127.451	ng	99
72) Anthracene	11.539	178	272099	15.595	ng	100
73) Carbazole	11.686	167	79135	4.946	ng	98
75) Fluoranthene	12.680	202	1244769	74.799	ng	96
78) Pyrene	12.910	202	800412	53.943	ng	99
81) Benzo(a)anthracene	14.092	228	188006	16.328	ng	97
83) Chrysene	14.127	228	176489	16.300	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	34542	2.985	ng	# 86
88) Benzo(b)fluoranthene	15.157	252	112322m	9.478	ng	
89) Benzo(k)fluoranthene	15.186	252	41604m	3.640	ng	
90) Benzo(a)pyrene	15.539	252	66935m	7.231	ng	
92) Benzo(g,h,i)perylene	17.592	276	69488	7.366	ng	# 87

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

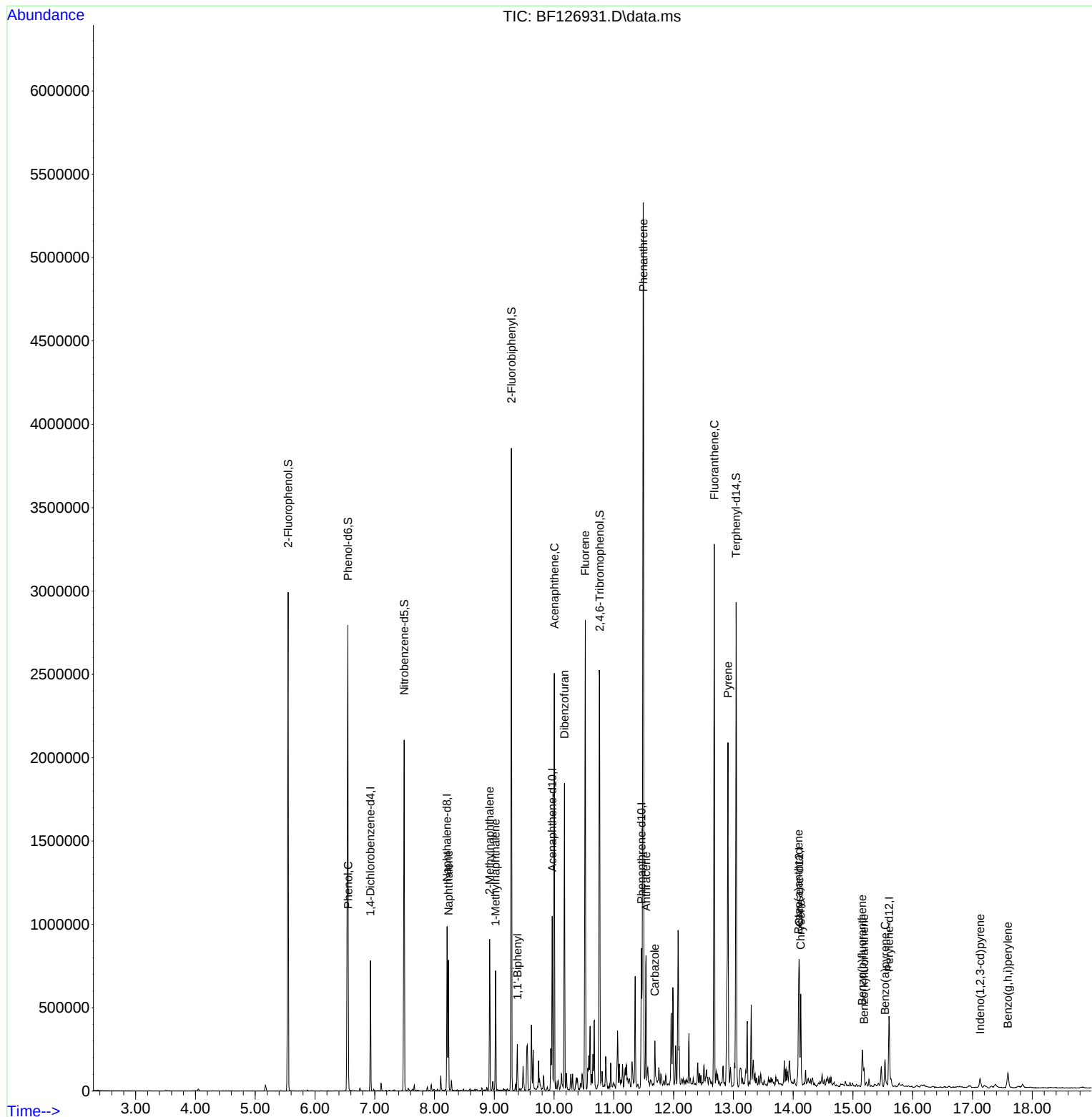
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
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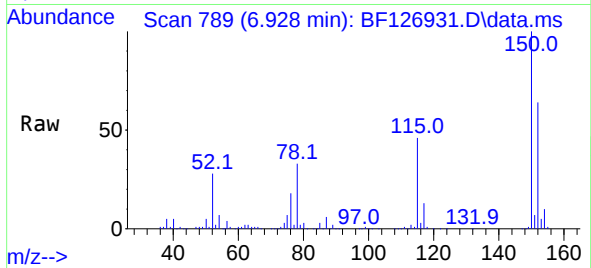
Reviewed By : Christian Giraldo 02/18/2022
Supervised By : Jagrut Upadhyay 02/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 790
Delta R.T. -0.005 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

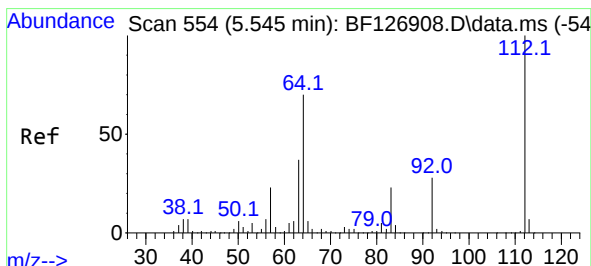
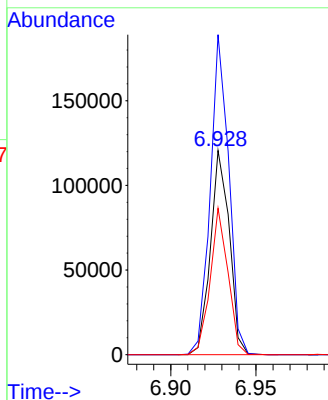
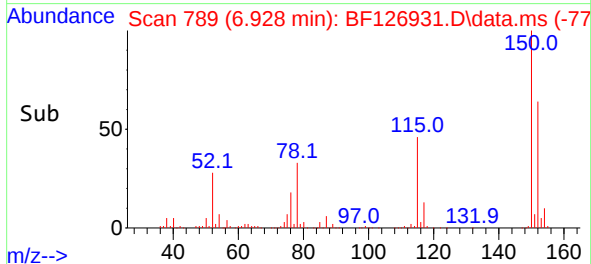
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BNA_F
ClientSampleId :
TP-3



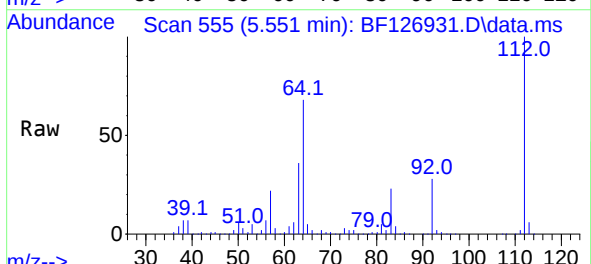
Tgt Ion:152 Resp: 9287
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 71.7 56.7 85.1

Manual Integrations
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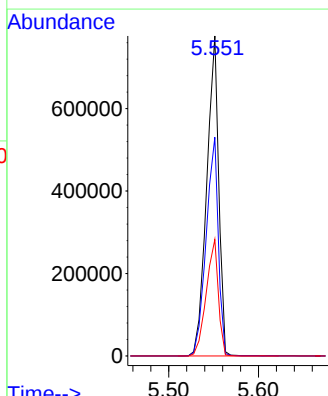
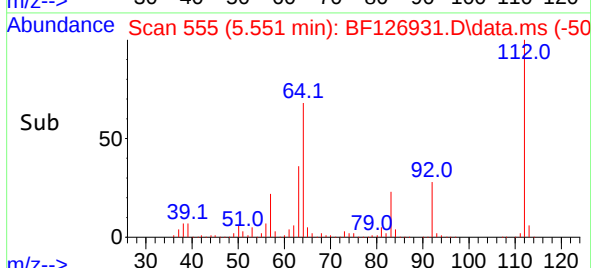
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#5
2-Fluorophenol
Concen: 120.327 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



Tgt Ion:112 Resp: 723026
Ion Ratio Lower Upper
112 100
64 68.4 49.5 74.3
63 36.4 23.9 35.9





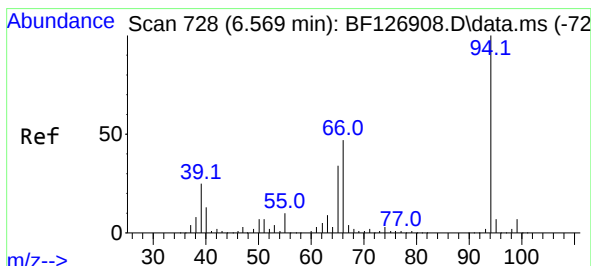
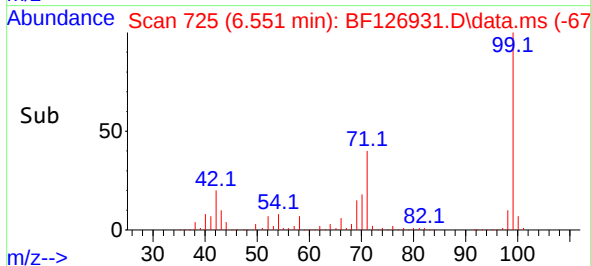
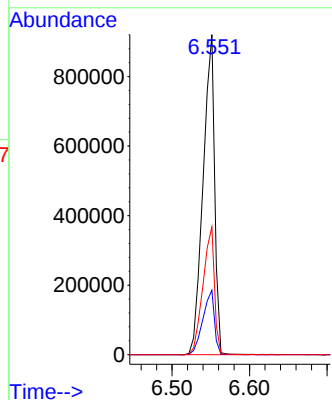
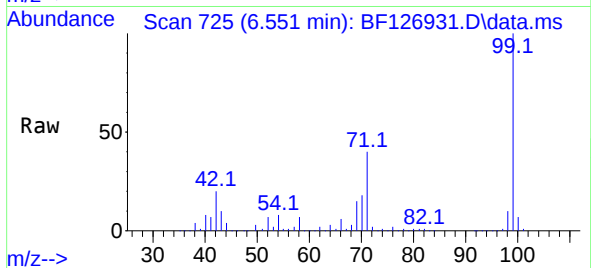
#7
Phenol-d6
Concen: 117.581 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 99 Resp: 95335
Ion Ratio Lower Upper
99 100
42 20.1 14.2 21.4
71 40.0 24.3 36.5

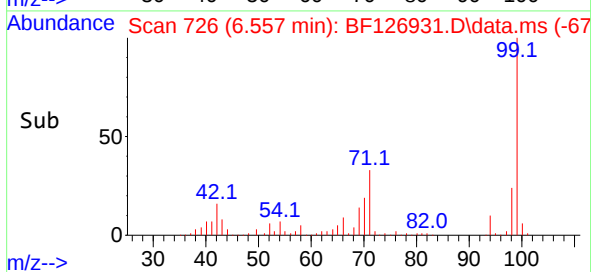
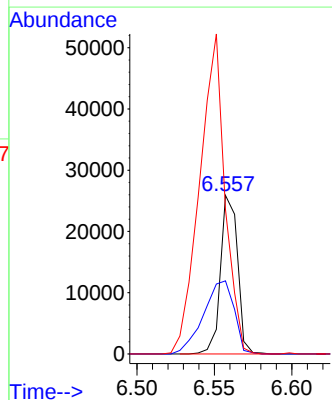
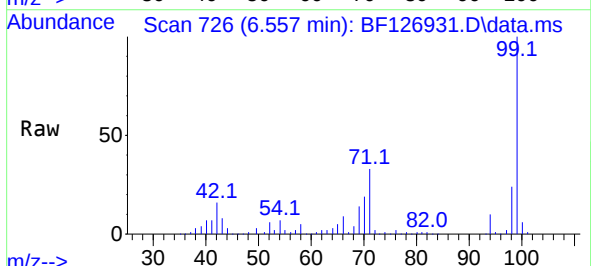
Manual Integrations
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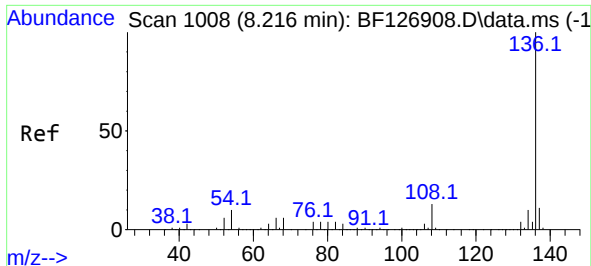
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#10
Phenol
Concen: 2.417 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.012 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

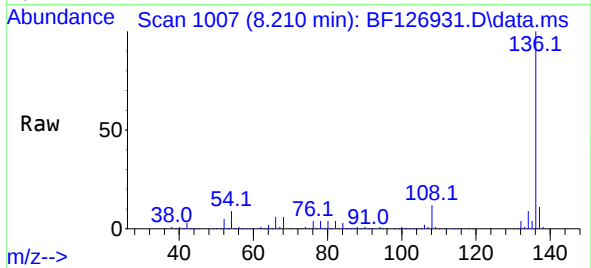
Tgt Ion: 94 Resp: 19800
Ion Ratio Lower Upper
94 100
65 46.1 7.2 47.2
66 91.1 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

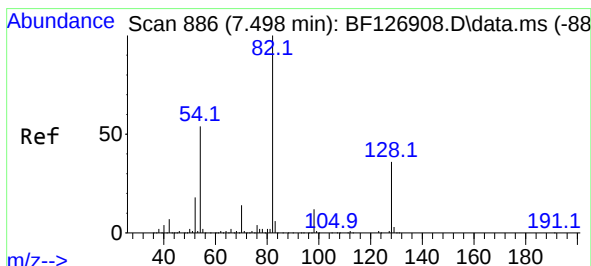
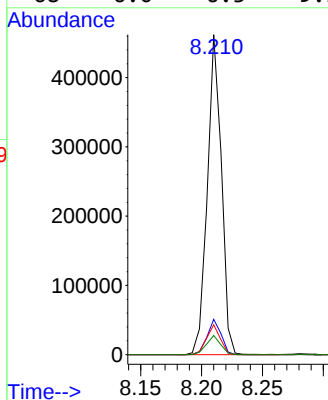
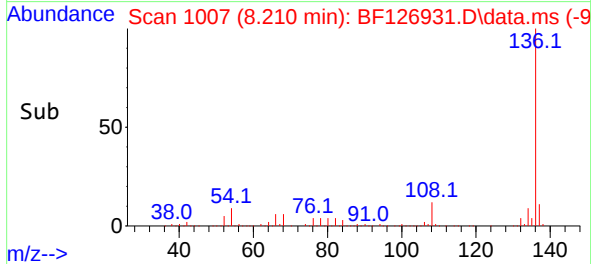
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:136 Resp: 37014
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.8 11.6
68 6.0 6.3 9.5#

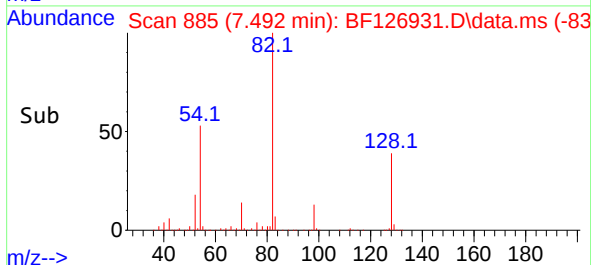
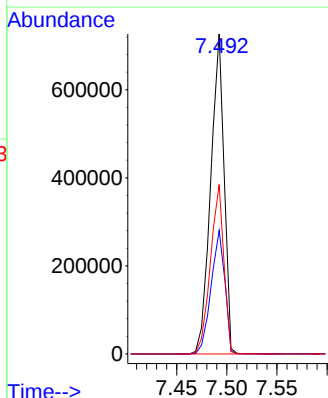
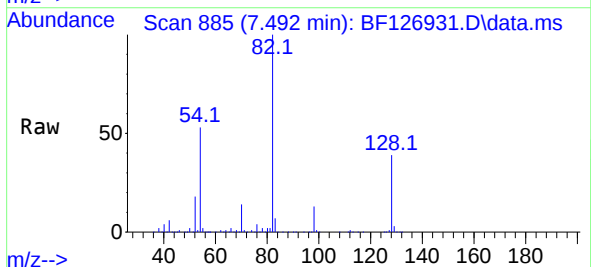
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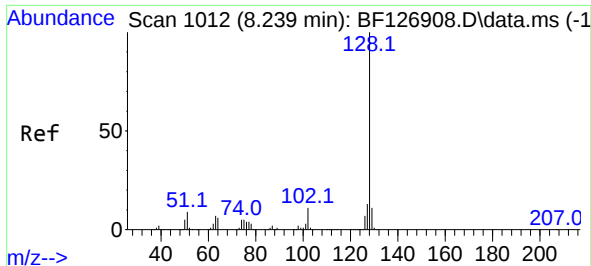
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#23
Nitrobenzene-d5
Concen: 82.583 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

Tgt Ion: 82 Resp: 677208
Ion Ratio Lower Upper
82 100
128 38.6 32.7 49.1
54 52.9 41.7 62.5





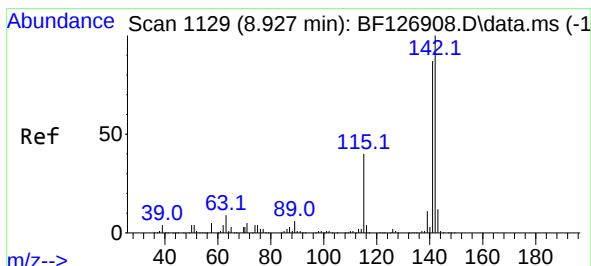
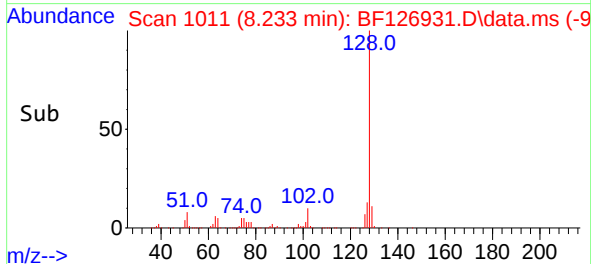
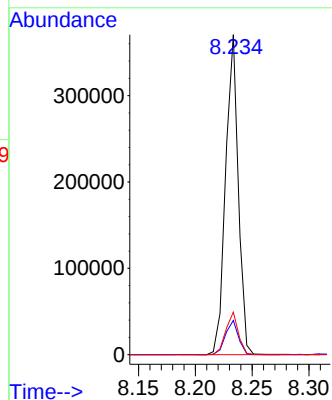
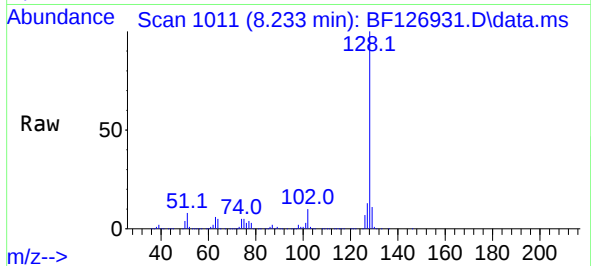
#31
Naphthalene
Concen: 14.939 ng
RT: 8.233 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:128 Resp: 288660
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 13.3 10.3 15.5

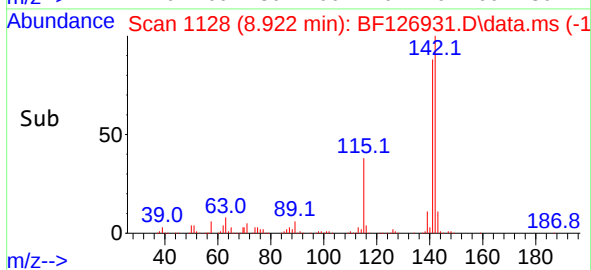
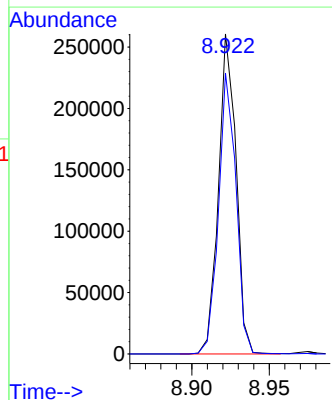
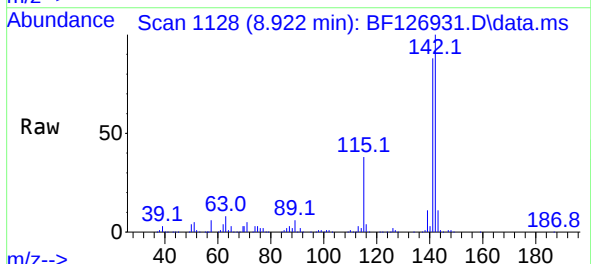
Manual Integrations
APPROVED

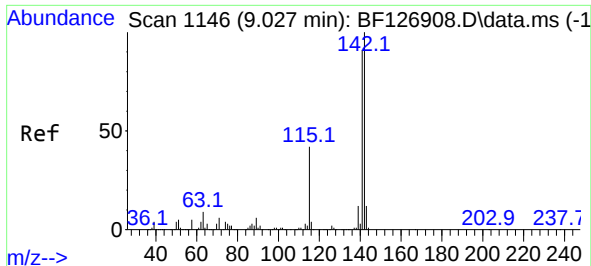
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#37
2-Methylnaphthalene
Concen: 16.405 ng
RT: 8.922 min Scan# 1128
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

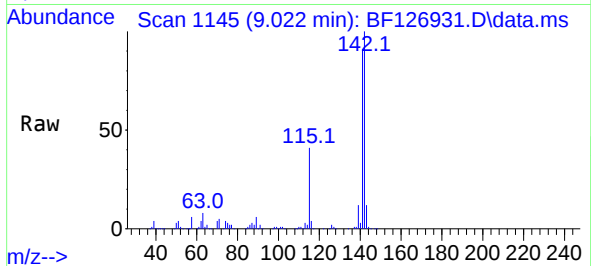
Tgt Ion:142 Resp: 205680
Ion Ratio Lower Upper
142 100
141 87.8 68.6 102.8





#38
1-Methylnaphthalene
Concen: 13.227 ng
RT: 9.022 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

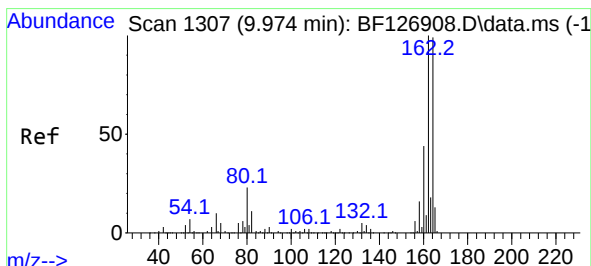
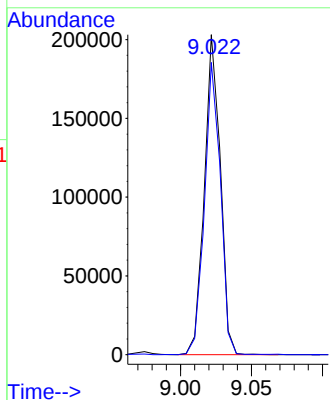
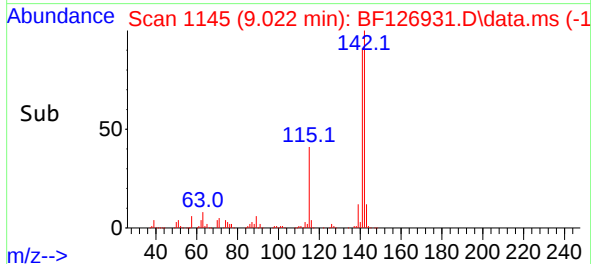
Instrument :
BNA_F
ClientSampleId :
TP-3



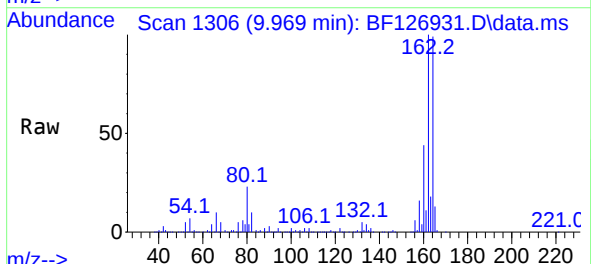
Tgt Ion:142 Resp: 15880
Ion Ratio Lower Upper
142 100
141 91.3 72.1 108.1

Manual Integrations
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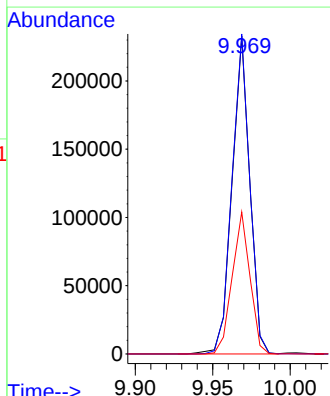
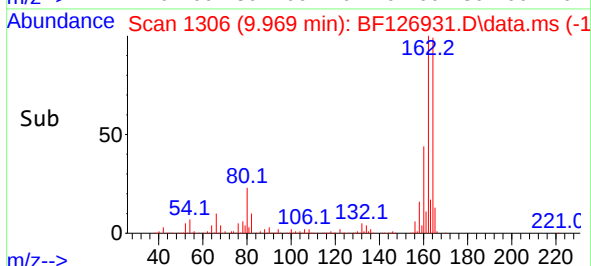
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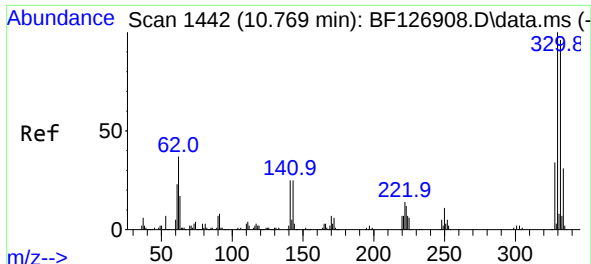


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



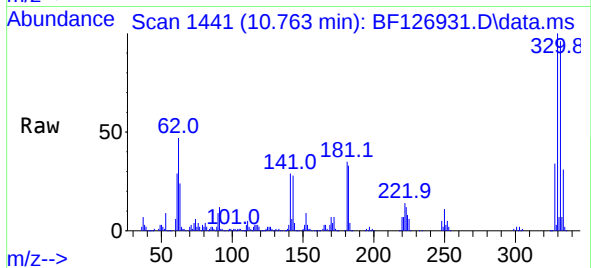
Tgt Ion:164 Resp: 185278
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 44.7 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 122.719 ng
RT: 10.763 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

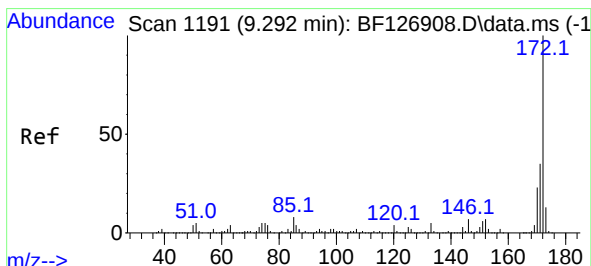
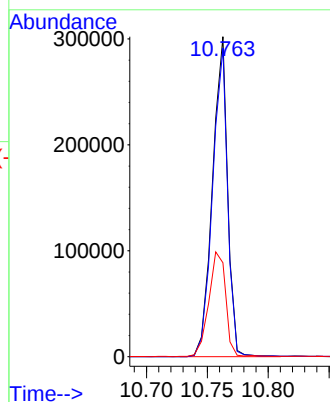
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BNA_F
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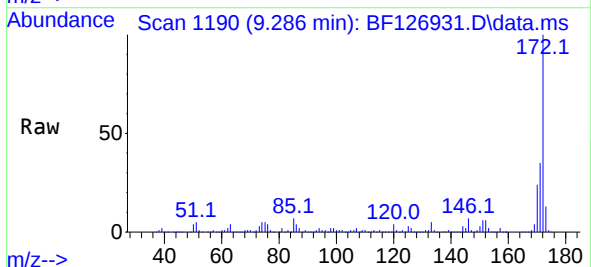
Tgt Ion: 330 Resp: 261788
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 36.9 30.1 45.1

Manual Integrations
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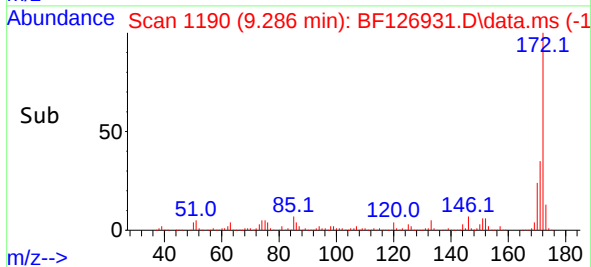
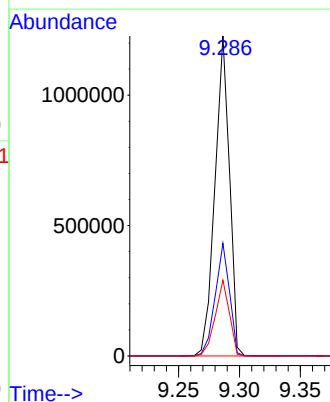
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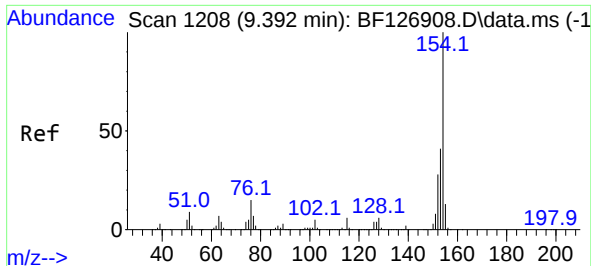


#45
2-Fluorobiphenyl
Concen: 80.646 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



Tgt Ion: 172 Resp: 1014968
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.7 19.0 28.6





#46

1,1'-Biphenyl

Concen: 4.743 ng

RT: 9.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126931.D

Acq: 17 Feb 2022 17:18

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:154 Resp: 69618

Ion Ratio Lower Upper

154 100

153 41.6 19.0 59.0

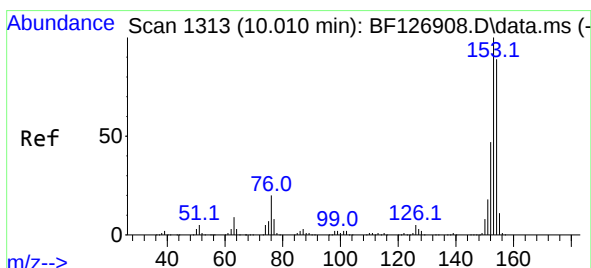
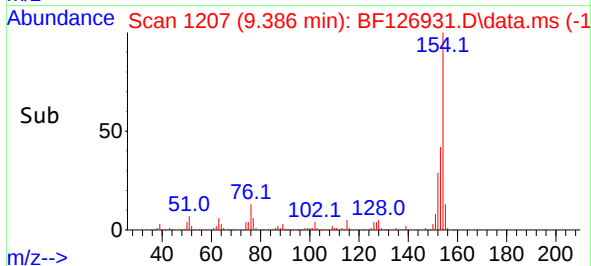
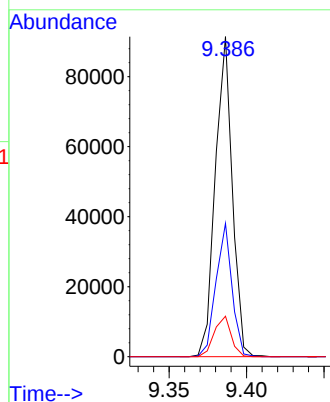
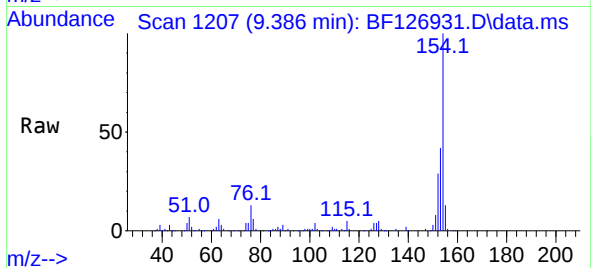
76 12.6 0.0 34.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/18/2022

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#52

Acenaphthene

Concen: 39.676 ng

RT: 10.004 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF126931.D

Acq: 17 Feb 2022 17:18

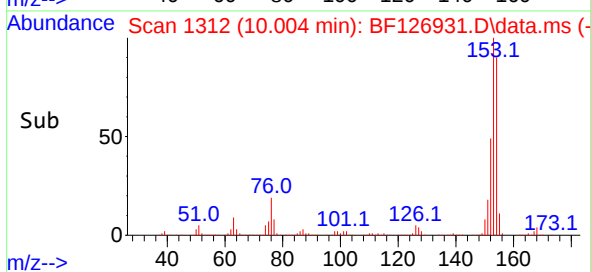
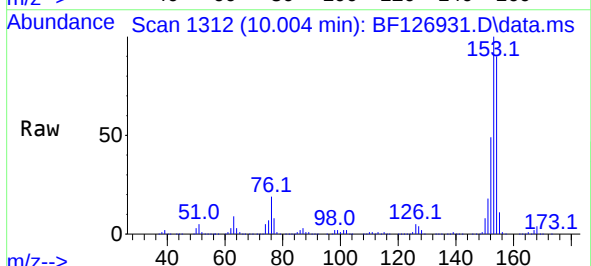
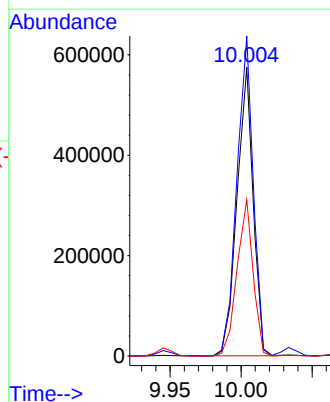
Tgt Ion:154 Resp: 456253

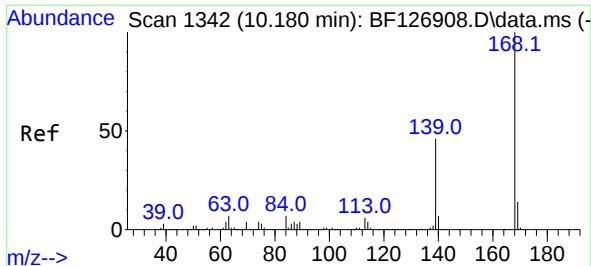
Ion Ratio Lower Upper

154 100

153 110.8 87.8 131.6

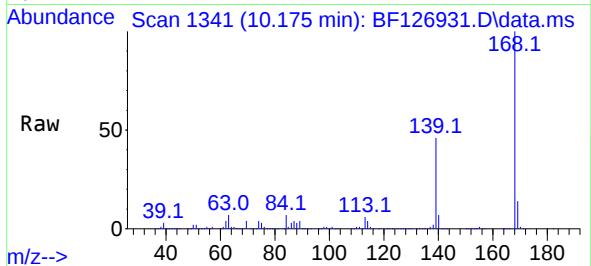
152 54.1 39.4 59.2





#55
Dibenzenofuran
Concen: 35.849 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

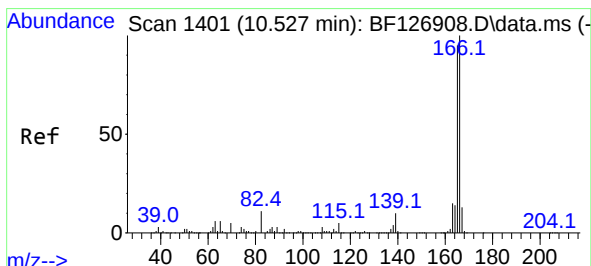
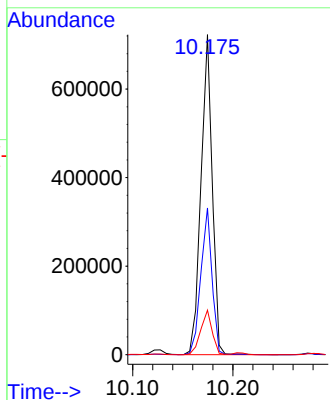
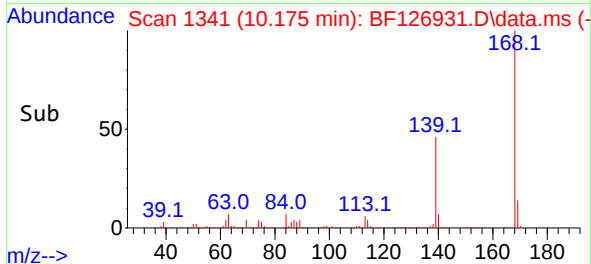
Instrument :
BNA_F
ClientSampleId :
TP-3



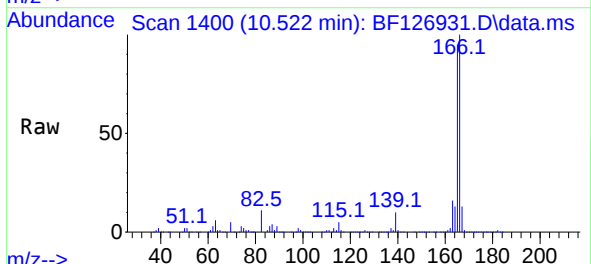
Tgt Ion:168 Resp: 56686
Ion Ratio Lower Upper
168 100
139 45.9 30.6 46.0
169 13.9 10.0 15.0

Manual Integrations
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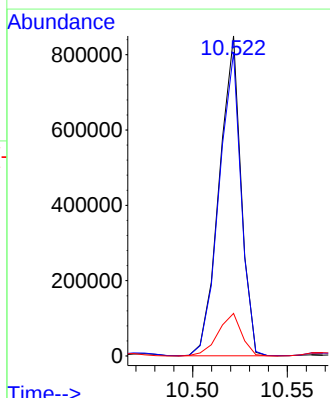
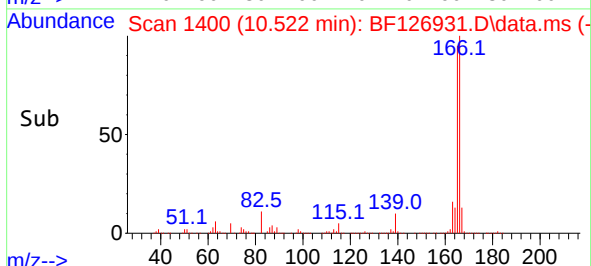
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

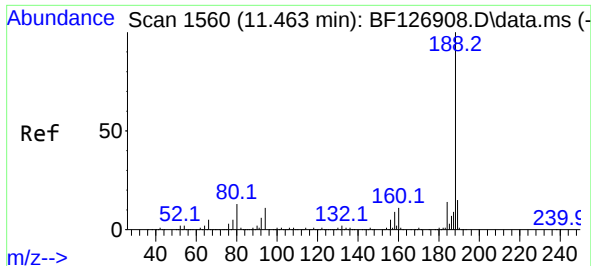


#58
Fluorene
Concen: 55.204 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



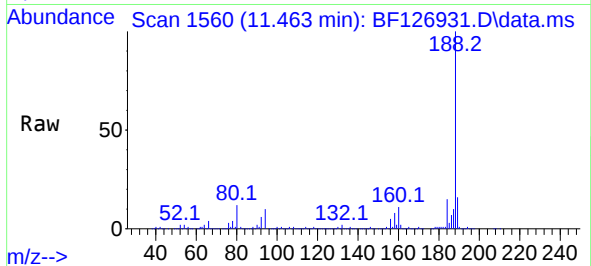
Tgt Ion:166 Resp: 679959
Ion Ratio Lower Upper
166 100
165 94.9 77.7 116.5
167 13.3 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

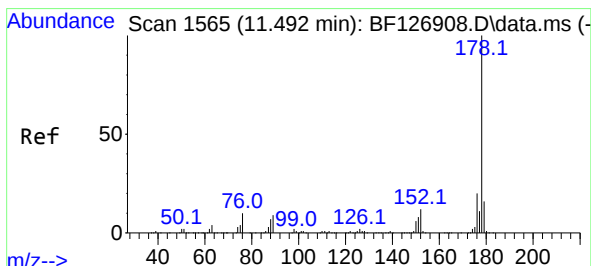
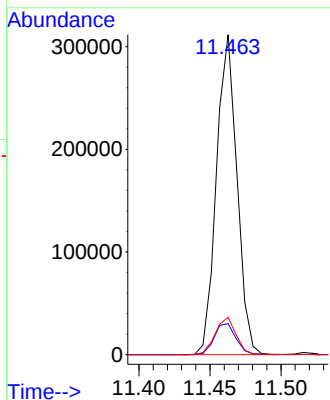
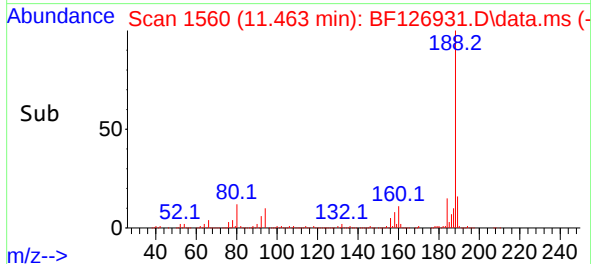
Instrument :
BNA_F
ClientSampleId :
TP-3



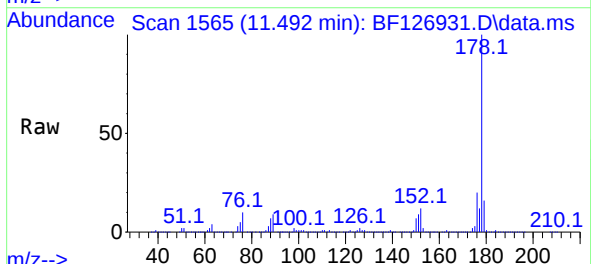
Tgt Ion:188 Resp: 31313
Ion Ratio Lower Upper
188 100
94 9.7 10.1 15.1
80 11.7 11.8 17.6

Manual Integrations
APPROVED

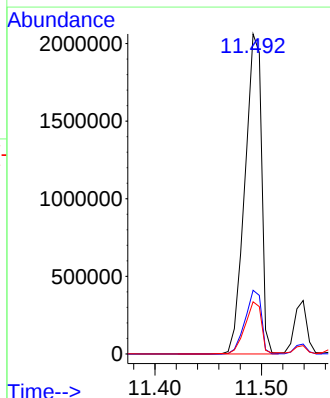
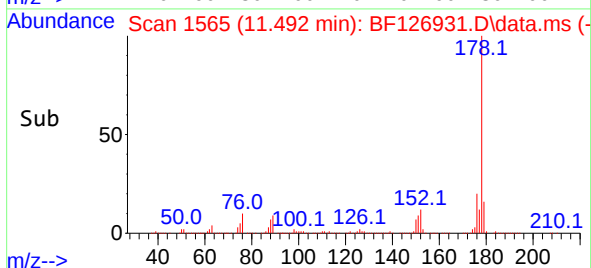
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

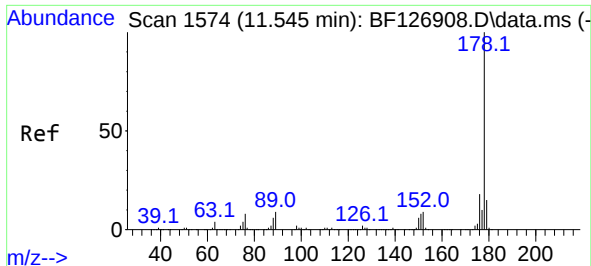


#71
Phenanthrene
Concen: 127.451 ng
RT: 11.492 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



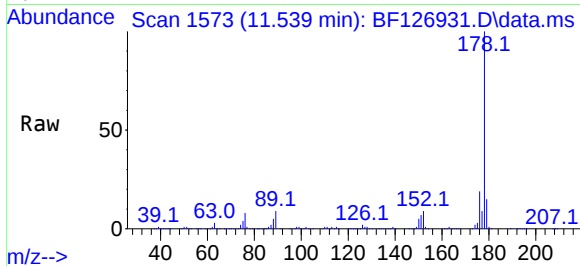
Tgt Ion:178 Resp: 2233781
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 16.3 12.3 18.5





#72
 Anthracene
 Concen: 15.595 ng
 RT: 11.539 min Scan# 1598
 Delta R.T. -0.006 min
 Lab File: BF126931.D
 Acq: 17 Feb 2022 17:18

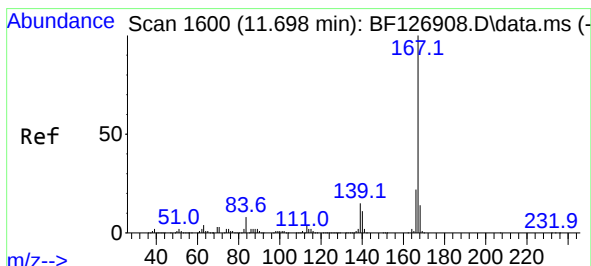
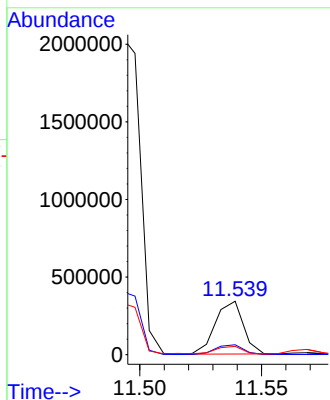
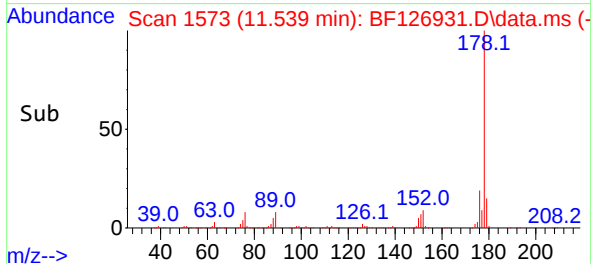
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



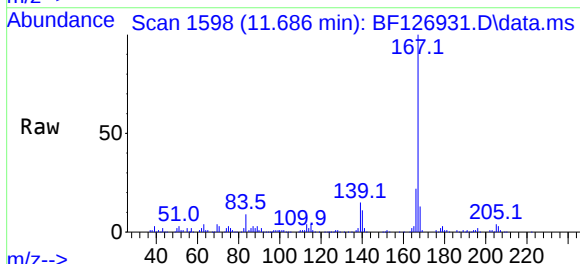
Tgt Ion:178 Resp: 272095
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 15.5 12.5 18.7

Manual Integrations
 APPROVED

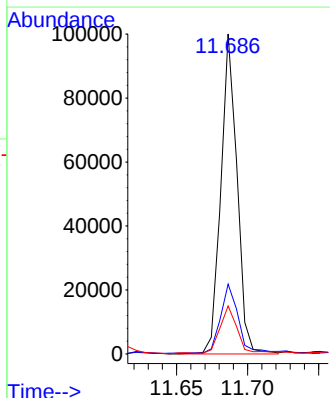
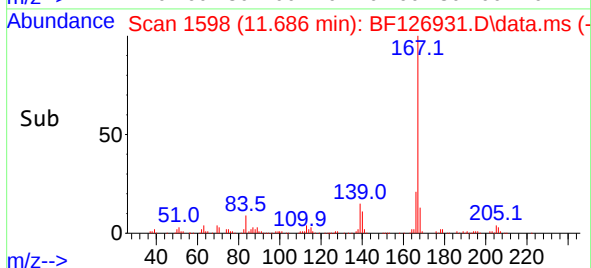
Reviewed By :Christian Giraldo 02/18/2022
 Supervised By :Jagrut Upadhyay 02/18/2022

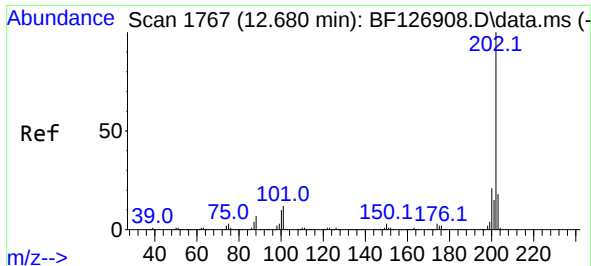


#73
 Carbazole
 Concen: 4.946 ng
 RT: 11.686 min Scan# 1598
 Delta R.T. -0.012 min
 Lab File: BF126931.D
 Acq: 17 Feb 2022 17:18



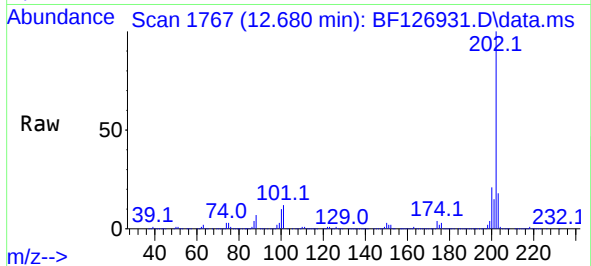
Tgt Ion:167 Resp: 79135
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.9 25.3
 139 15.0 11.3 16.9





#75
Fluoranthene
Concen: 74.799 ng
RT: 12.680 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

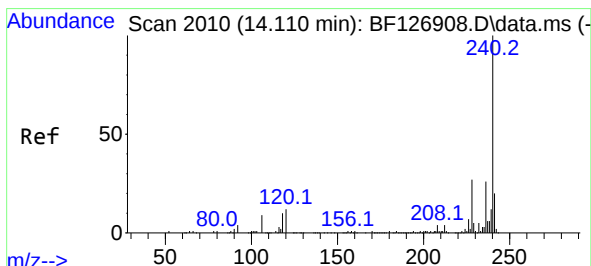
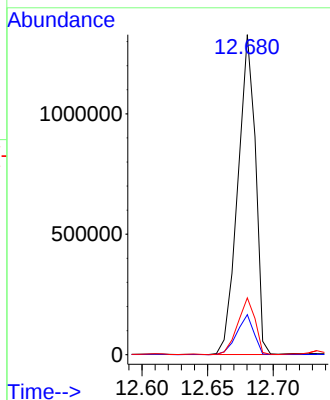
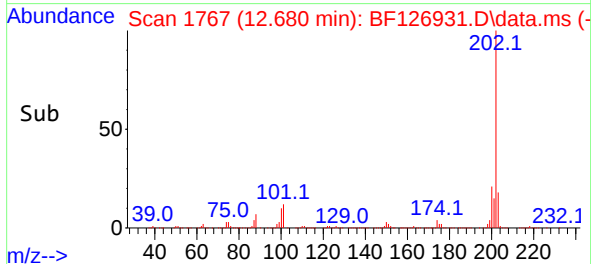
Instrument :
BNA_F
ClientSampleId :
TP-3



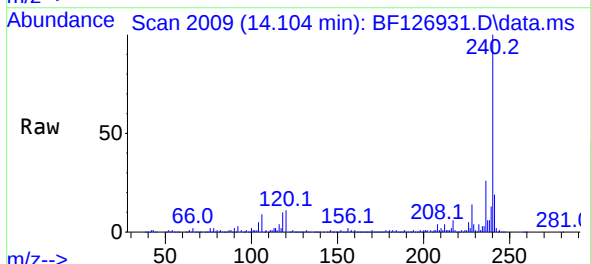
Tgt Ion:202 Resp: 1244769
Ion Ratio Lower Upper
202 100
101 12.5 0.0 35.7
203 17.7 0.0 37.1

Manual Integrations
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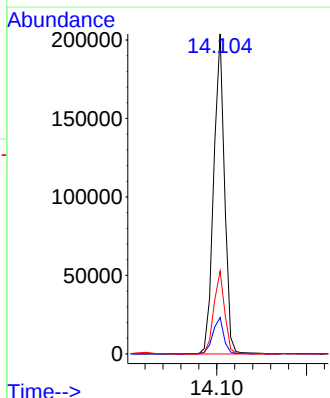
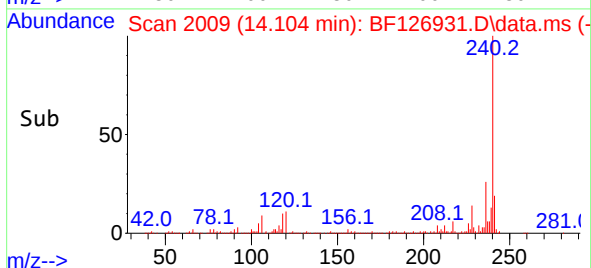
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

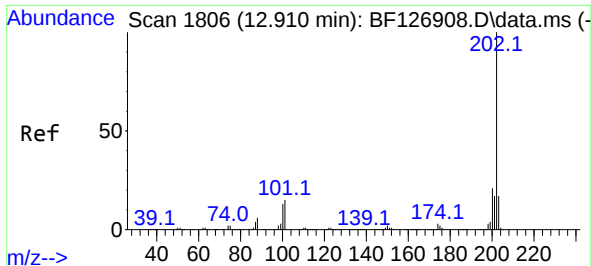


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



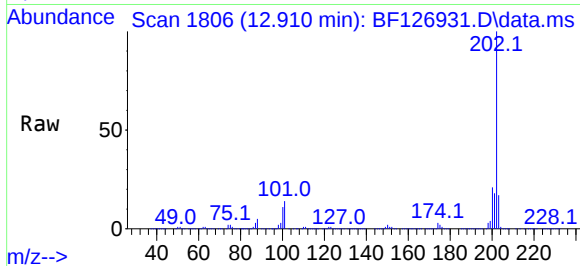
Tgt Ion:240 Resp: 170790
Ion Ratio Lower Upper
240 100
120 11.4 14.4 21.6#
236 25.9 20.5 30.7





#78
Pyrene
Concen: 53.943 ng
RT: 12.910 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

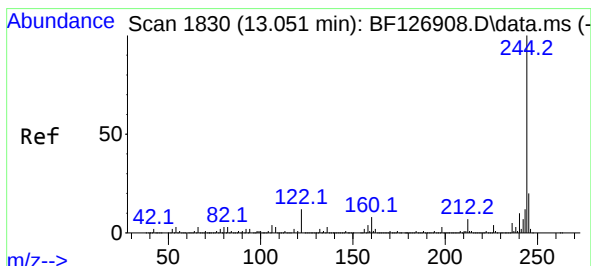
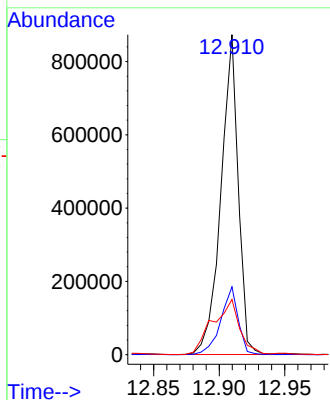
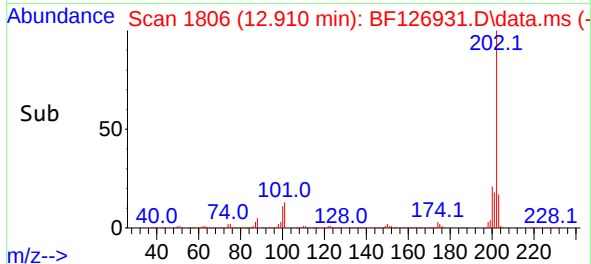
Instrument :
BNA_F
ClientSampleId :
TP-3



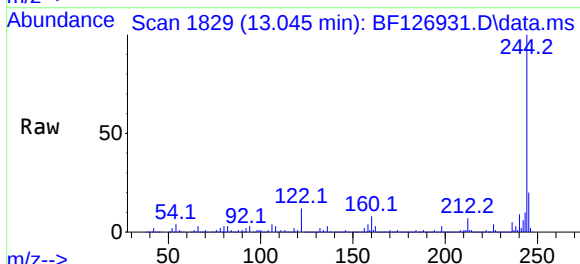
Tgt Ion:202 Resp: 800412
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 17.3 13.8 20.8

Manual Integrations
APPROVED

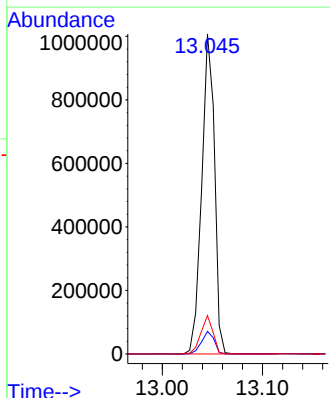
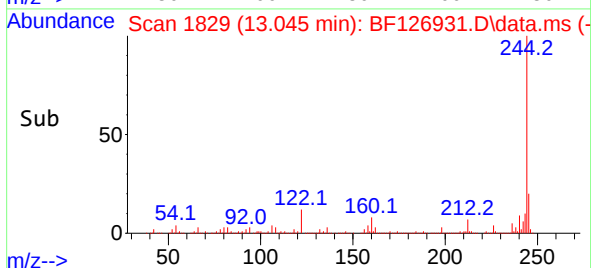
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

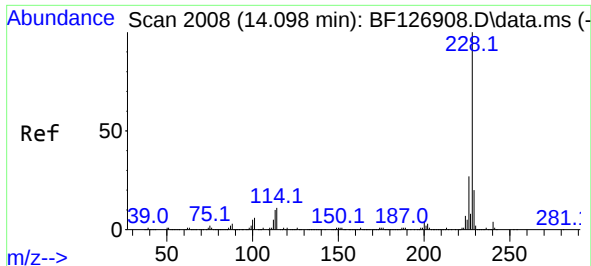


#79
Terphenyl-d14
Concen: 77.360 ng
RT: 13.045 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



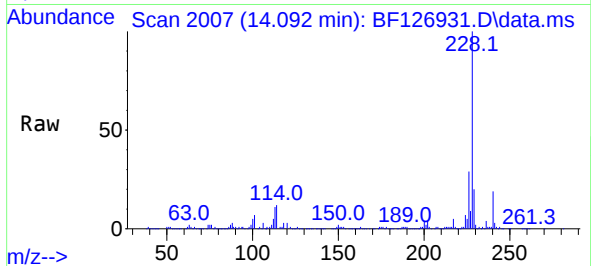
Tgt Ion:244 Resp: 898770
Ion Ratio Lower Upper
244 100
212 7.1 5.0 7.4
122 12.0 13.3 19.9





#81
Benzo(a)anthracene
Concen: 16.328 ng
RT: 14.092 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

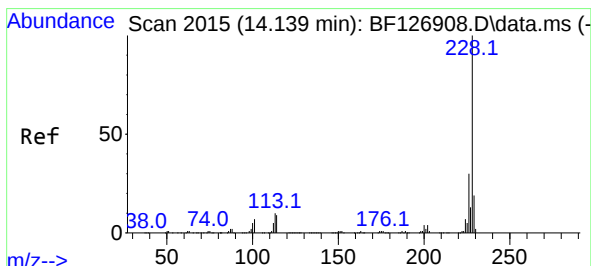
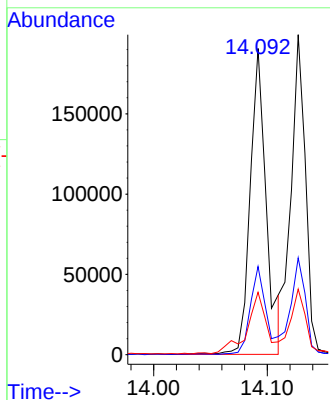
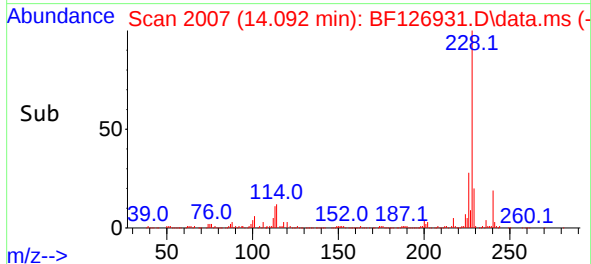
Instrument :
BNA_F
ClientSampleId :
TP-3



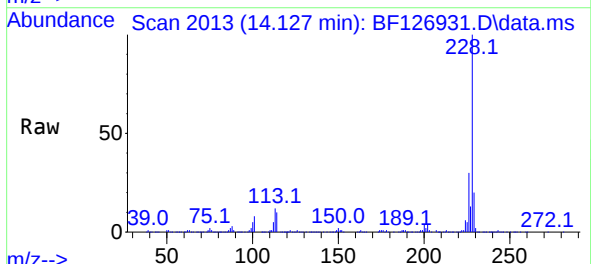
Tgt Ion:228 Resp: 188000
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.0
229 20.4 15.4 23.2

Manual Integrations
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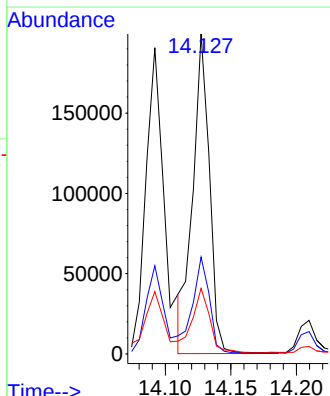
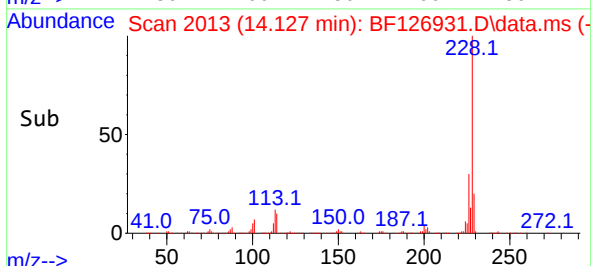
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

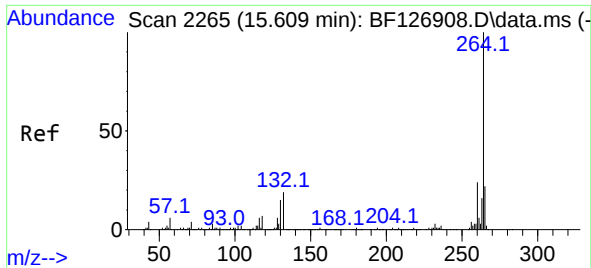


#83
Chrysene
Concen: 16.300 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



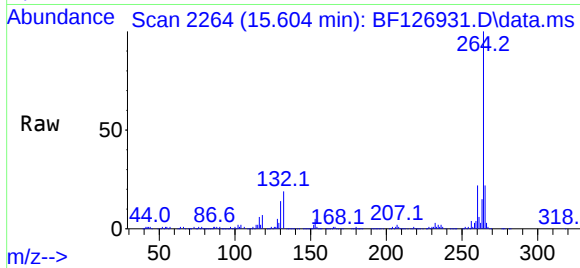
Tgt Ion:228 Resp: 176489
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 20.5 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.604 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

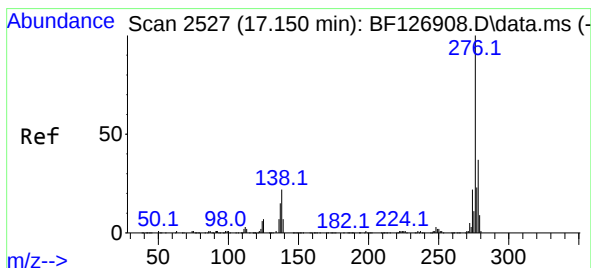
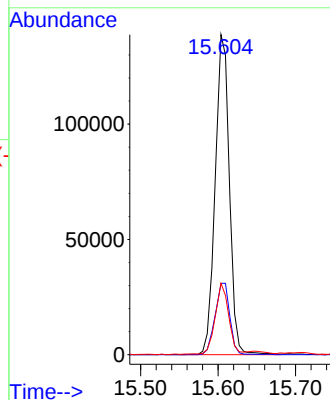
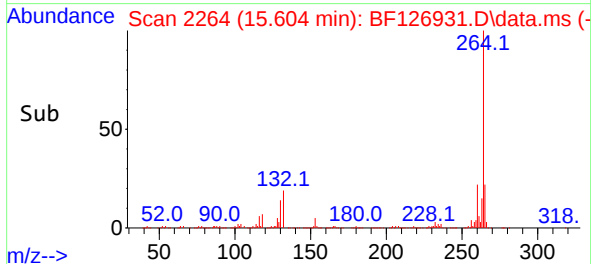
Instrument :
BNA_F
ClientSampleId :
TP-3



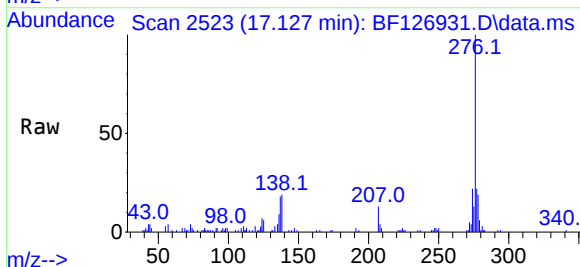
Tgt Ion:264 Resp: 176450
Ion Ratio Lower Upper
264 100
260 22.3 19.2 28.8
265 22.3 17.4 26.2

Manual Integrations
APPROVED

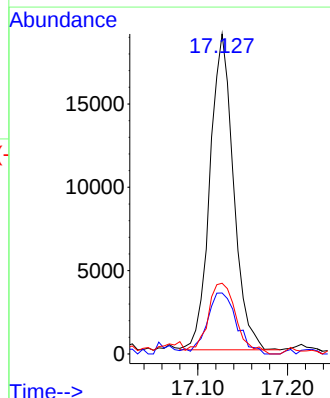
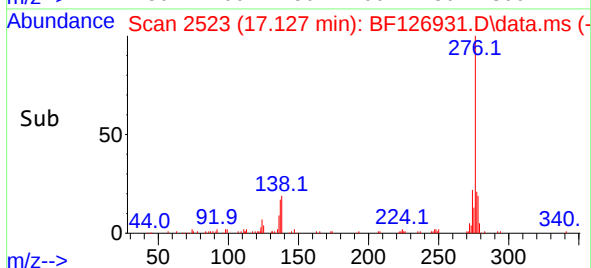
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

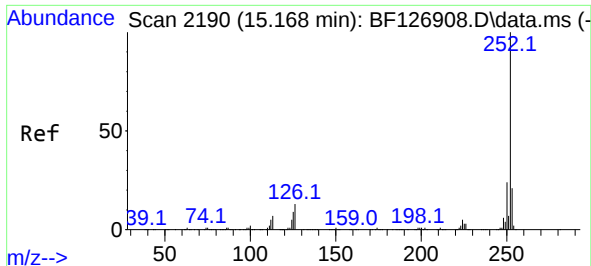


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.985 ng
RT: 17.127 min Scan# 2523
Delta R.T. -0.023 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



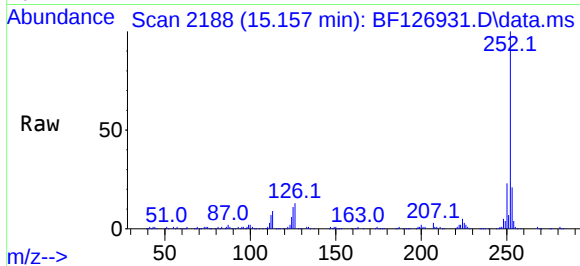
Tgt Ion:276 Resp: 34542
Ion Ratio Lower Upper
276 100
138 24.4 29.2 43.8#
277 27.0 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 9.478 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

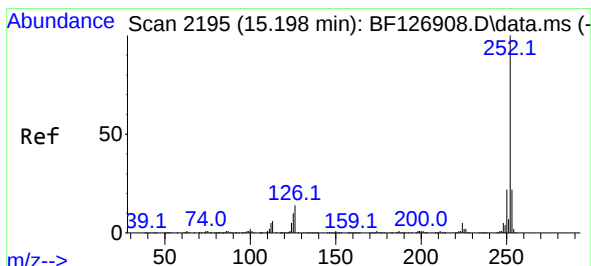
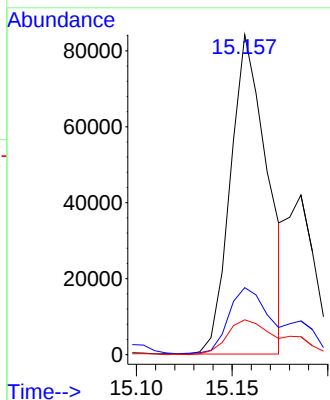
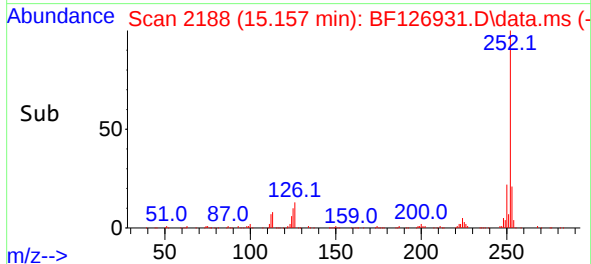
Instrument :
BNA_F
ClientSampleId :
TP-3



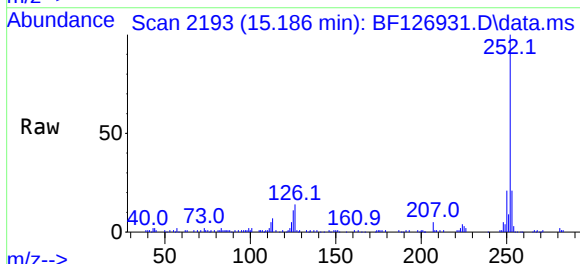
Tgt Ion:252 Resp: 11232
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 10.9 12.4 18.6

Manual Integrations
APPROVED

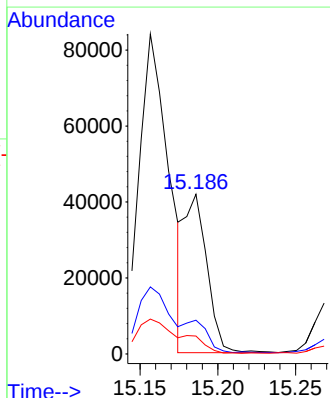
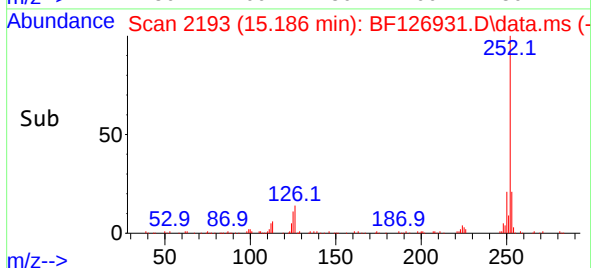
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

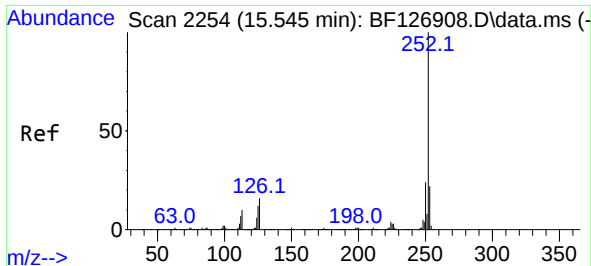


#89
Benzo(k)fluoranthene
Concen: 3.640 ng m
RT: 15.186 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18



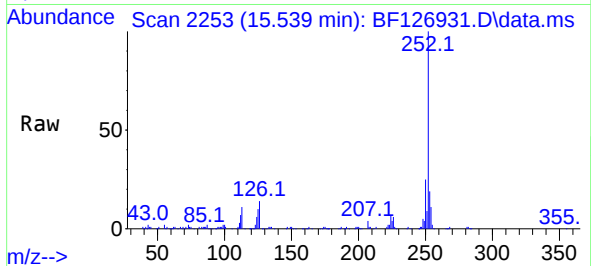
Tgt Ion:252 Resp: 41604
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 11.3 11.8 17.6





#90
Benzo(a)pyrene
Concen: 7.231 ng m
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

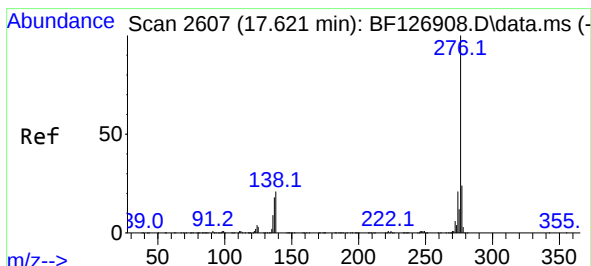
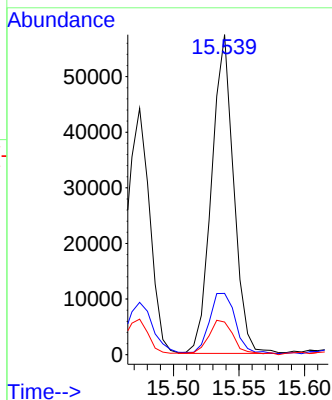
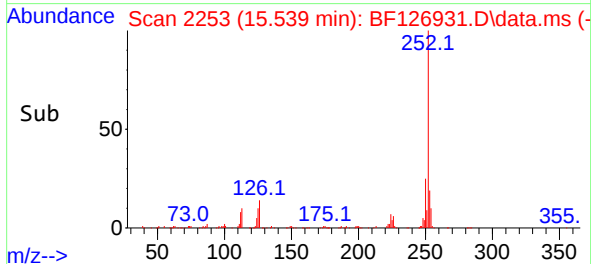
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 6693
Ion Ratio Lower Upper
252 100
253 19.2 17.1 25.7
125 10.2 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#92
Benzo(g,h,i)perylene
Concen: 7.366 ng
RT: 17.592 min Scan# 2602
Delta R.T. -0.029 min
Lab File: BF126931.D
Acq: 17 Feb 2022 17:18

Tgt Ion:276 Resp: 69488
Ion Ratio Lower Upper
276 100
277 23.5 18.5 27.7
138 20.0 25.9 38.9

