

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127060.D
 Acq On : 24 Feb 2022 16:36
 Operator : CG\JU
 Sample : N1635-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124042DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/25/2022
 Supervised By : Jagrut Upadhyay 02/25/2022

Quant Time: Feb 25 01:45:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	75577	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	310098	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	165253	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	293803	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	164870	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	133859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	105353	21.545	ng	-0.01
7) Phenol-d6	6.522	99	137389	20.822	ng	-0.02
23) Nitrobenzene-d5	7.463	82	100835	14.677	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	46135	24.248	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	146015	13.008	ng	-0.01
79) Terphenyl-d14	13.021	244	174544	15.563	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	55993	3.459	ng	97
37) 2-Methylnaphthalene	8.898	142	38384	3.654	ng	95
38) 1-Methylnaphthalene	8.998	142	20559	2.044	ng	99
52) Acenaphthene	9.980	154	134566	13.120	ng	99
55) Dibenzofuran	10.151	168	103955	7.371	ng	# 89
58) Fluorene	10.498	166	146457	13.331	ng	97
71) Phenanthrene	11.469	178	827894	50.344	ng	100
72) Anthracene	11.516	178	83573	5.105	ng	99
75) Fluoranthene	12.657	202	572813	36.685	ng	93
78) Pyrene	12.886	202	369834	25.820	ng	99
81) Benzo(a)anthracene	14.074	228	77993	7.017	ng	98
83) Chrysene	14.110	228	47727	4.566	ng	97
88) Benzo(b)fluoranthene	15.139	252	35049m	3.898	ng	
90) Benzo(a)pyrene	15.515	252	18347	2.613	ng	97

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

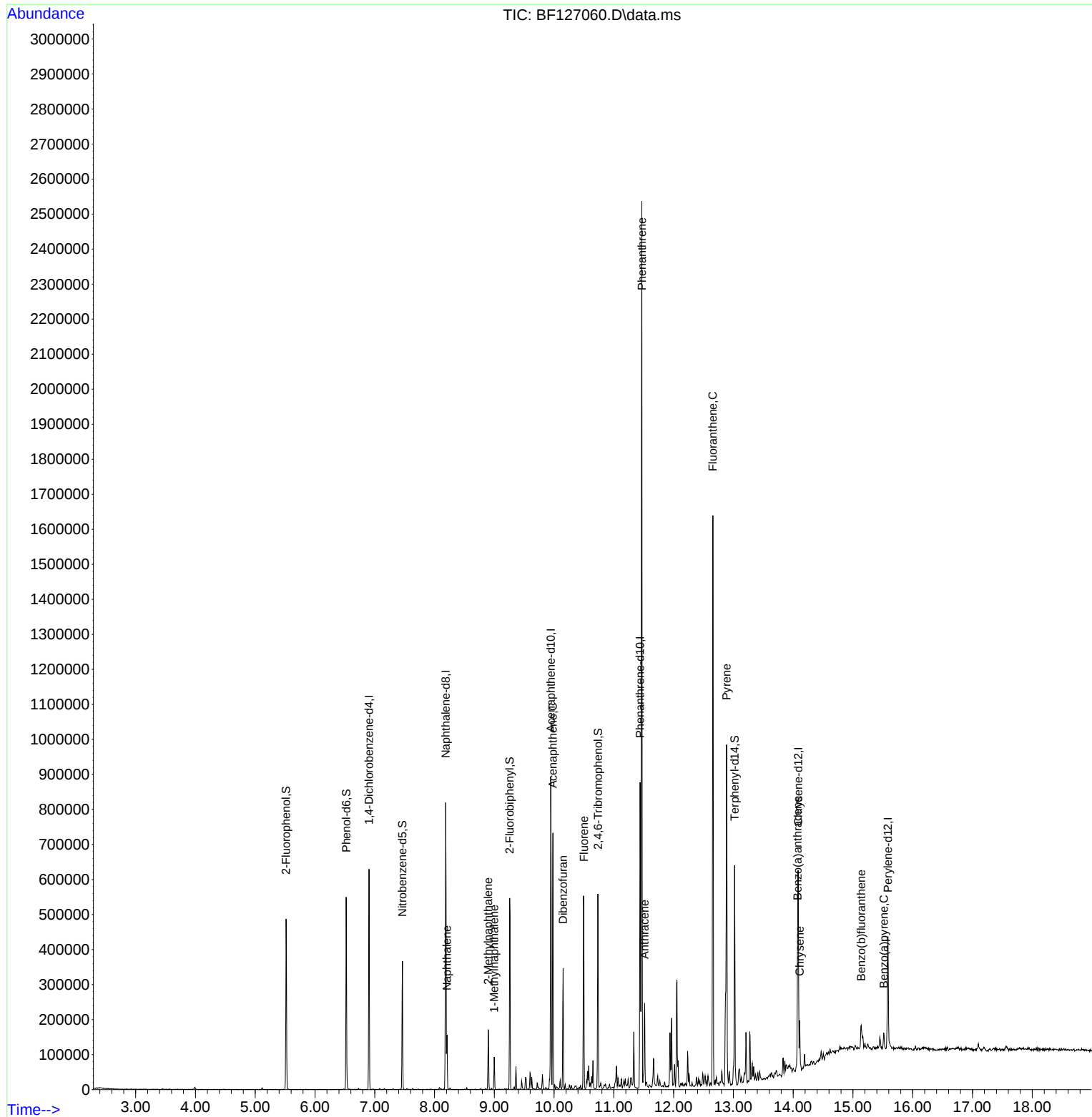
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

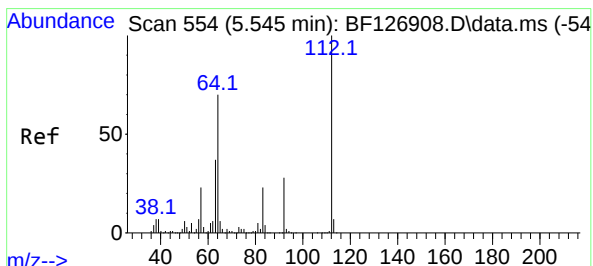
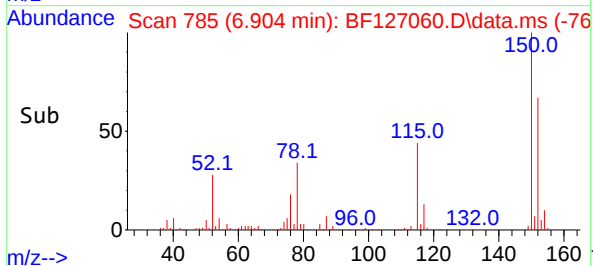
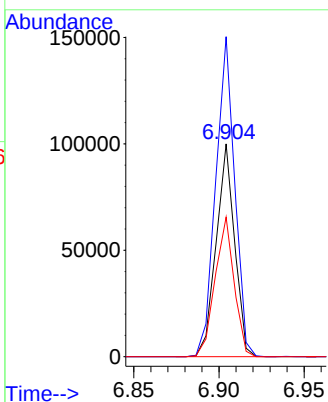
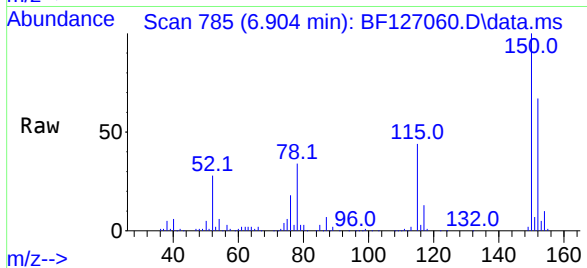
RO-124042DL

Tgt Ion:152 Resp: 7557
Ion Ratio Lower Upper
152 100
150 150.3 128.1 192.1
115 65.5 56.7 85.1

Manual Integrations

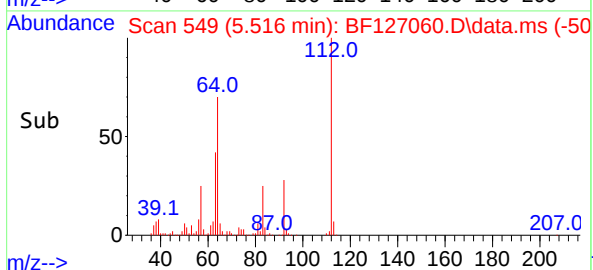
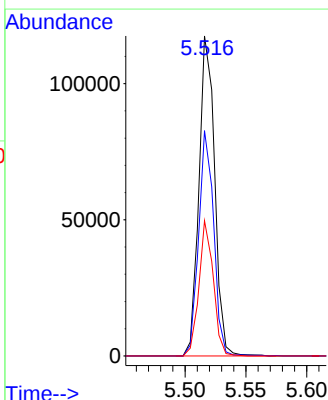
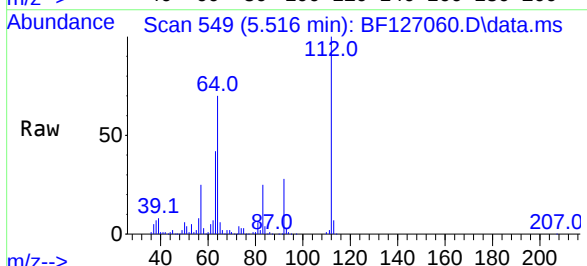
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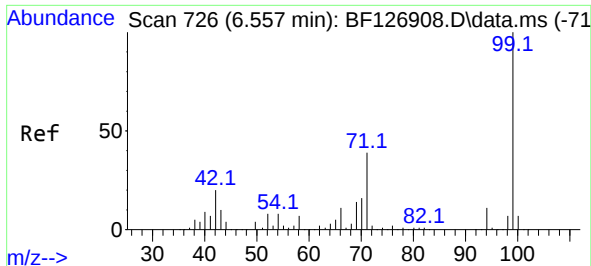
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#5
2-Fluorophenol
Concen: 21.545 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

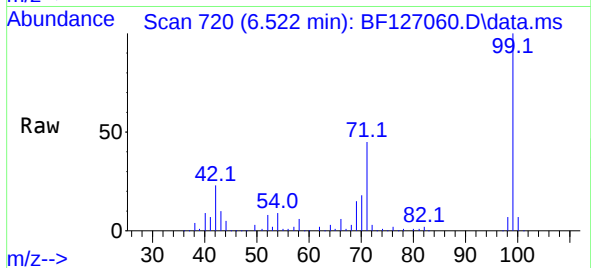
Tgt Ion:112 Resp: 105353
Ion Ratio Lower Upper
112 100
64 70.4 49.5 74.3
63 42.2 23.9 35.9





#7
Phenol-d6
Concen: 20.822 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

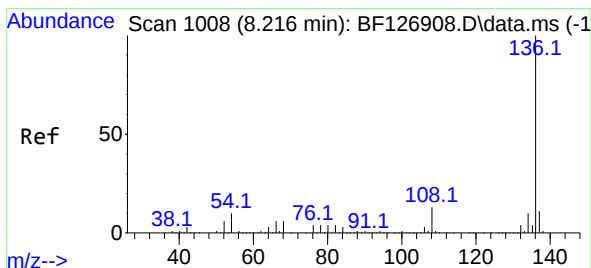
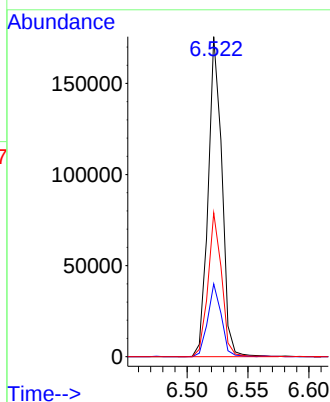
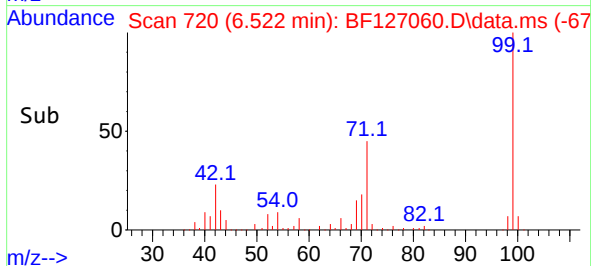
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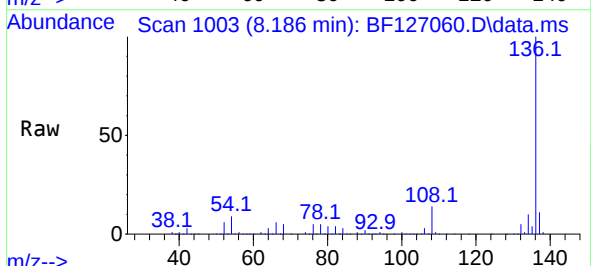
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Ion Ratio Lower Upper
99 100
42 22.8 14.2 21.4
71 44.9 24.3 36.5

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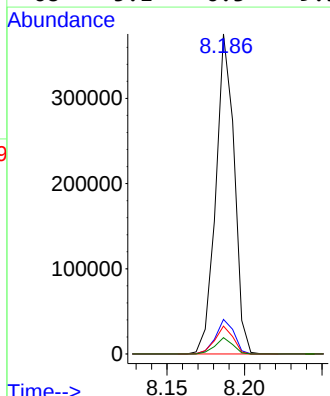
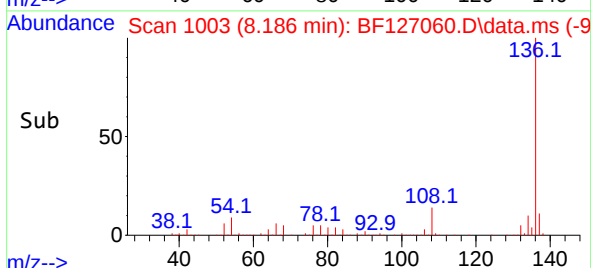
Reviewed By :Christian Giraldo 02/25/2022
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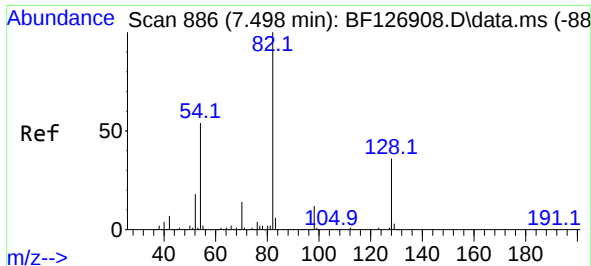


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36



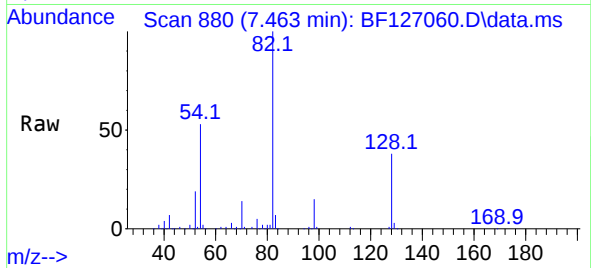
Tgt Ion:136 Resp: 310098
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.8 11.6
68 5.1 6.3 9.5





#23
Nitrobenzene-d5
Concen: 14.677 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

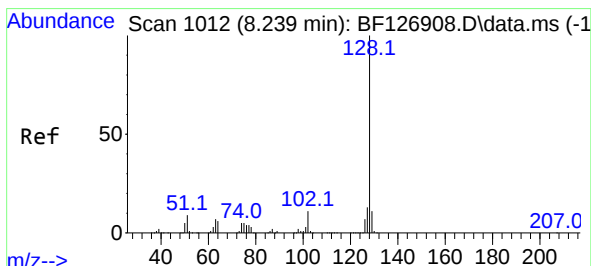
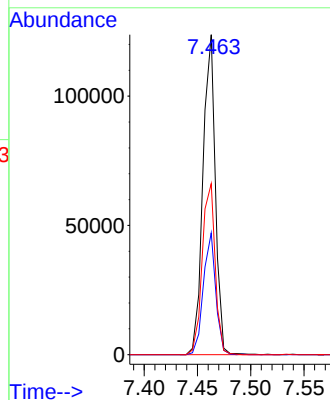
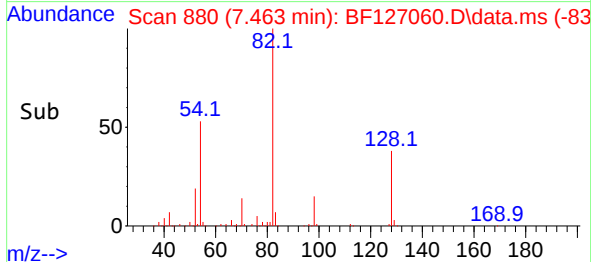
Instrument :
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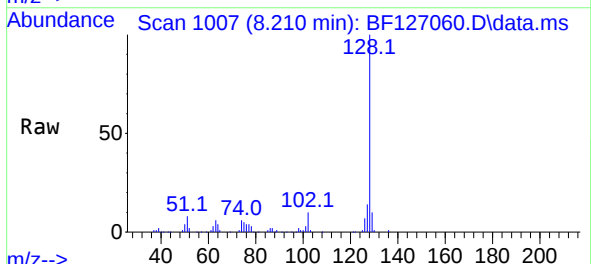
Tgt Ion: 82 Resp: 100835
Ion Ratio Lower Upper
82 100
128 38.1 32.7 49.1
54 53.5 41.7 62.5

Manual Integrations
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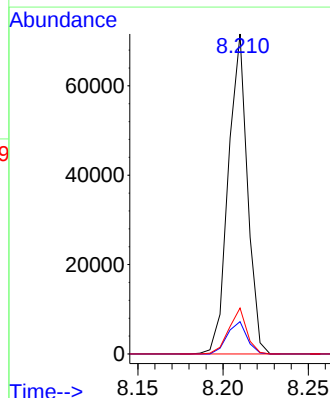
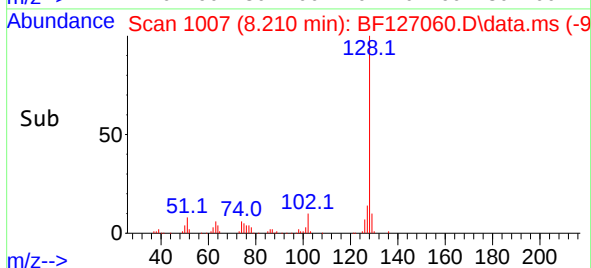
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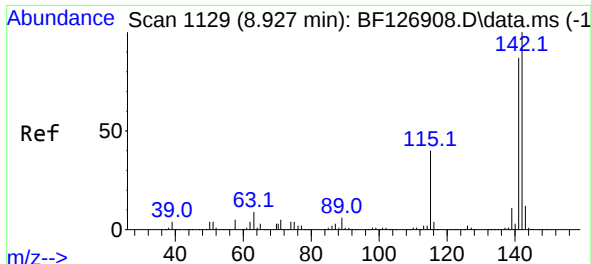


#31
Naphthalene
Concen: 3.459 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36



Tgt Ion:128 Resp: 55993
Ion Ratio Lower Upper
128 100
129 10.1 8.6 13.0
127 14.3 10.3 15.5





#37

2-Methylnaphthalene

Concen: 3.654 ng

RT: 8.898 min Scan# 1114

Delta R.T. -0.012 min

Lab File: BF127060.D

Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

RO-124042DL

Tgt Ion:142 Resp: 38384

Ion Ratio Lower Upper

142 100

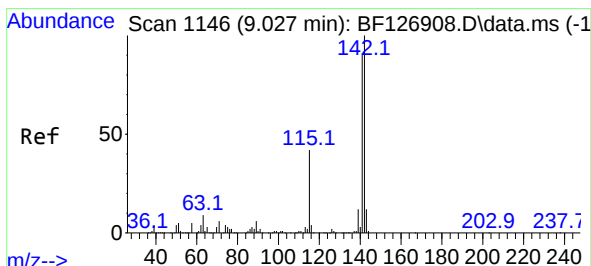
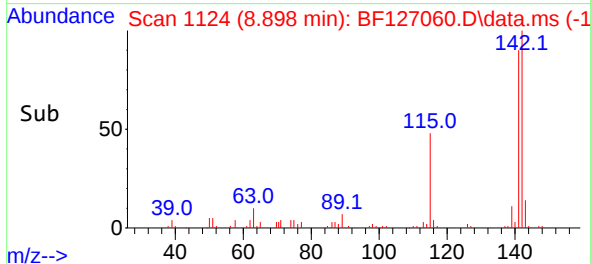
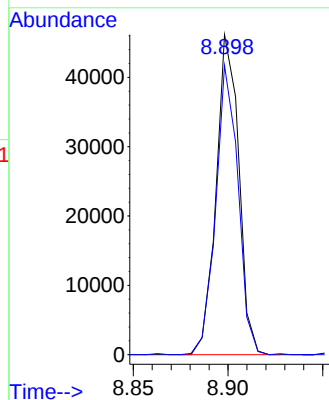
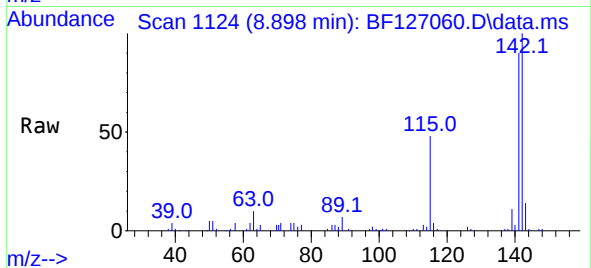
141 90.4 68.6 102.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/25/2022



#38

1-Methylnaphthalene

Concen: 2.044 ng

RT: 8.998 min Scan# 1141

Delta R.T. -0.012 min

Lab File: BF127060.D

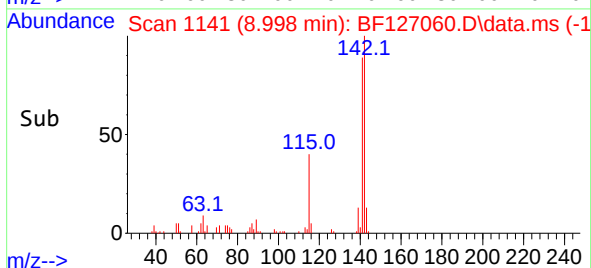
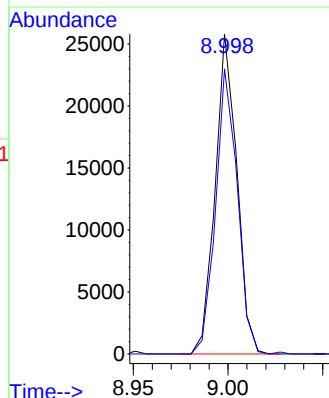
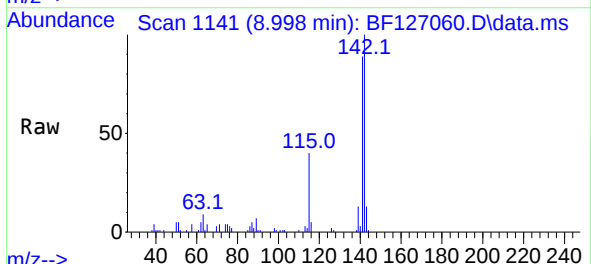
Acq: 24 Feb 2022 16:36

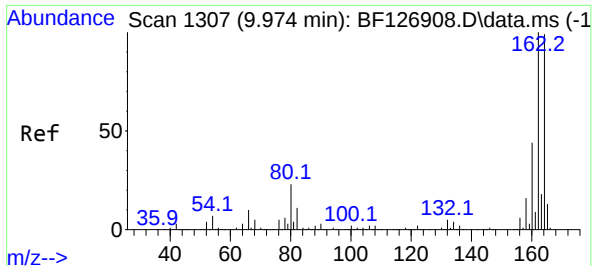
Tgt Ion:142 Resp: 20559

Ion Ratio Lower Upper

142 100

141 89.1 72.1 108.1





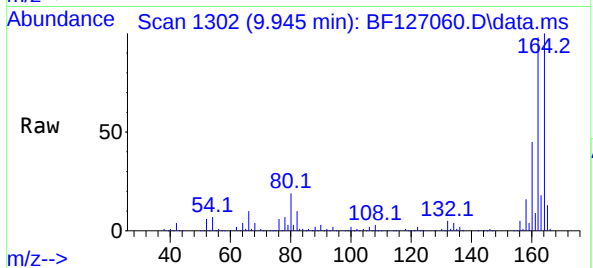
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

RO-124042DL

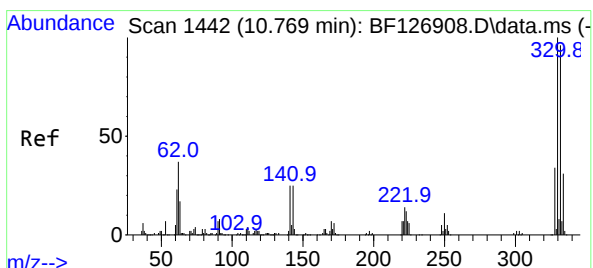
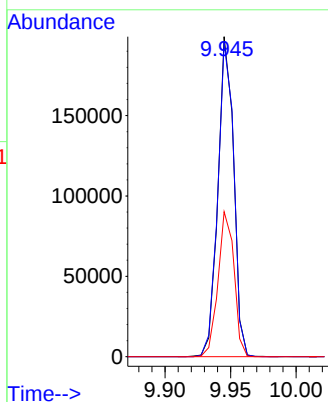
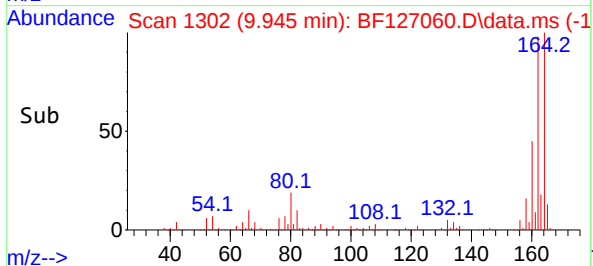


Tgt Ion:164 Resp: 16525
Ion Ratio Lower Upper
164 100
162 98.2 81.4 122.0
160 45.3 36.6 54.8

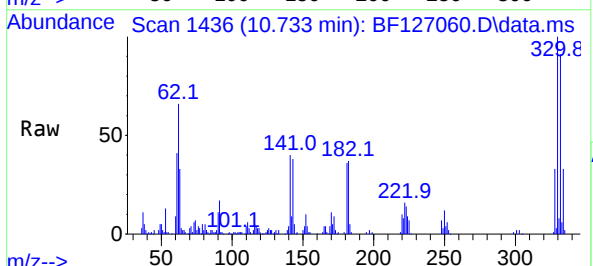
Manual Integrations

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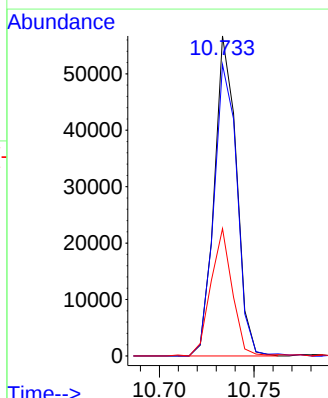
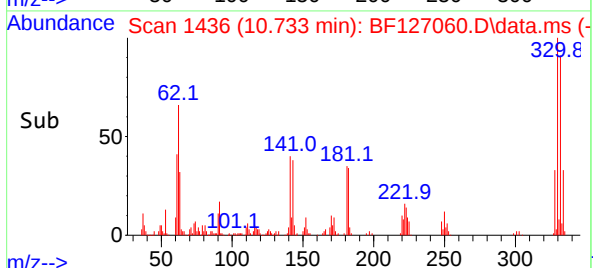
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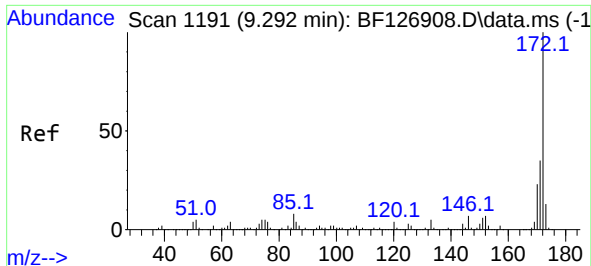


#42
2,4,6-Tribromophenol
Concen: 24.248 ng
RT: 10.733 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36



Tgt Ion:330 Resp: 46135
Ion Ratio Lower Upper
330 100
332 95.5 76.0 114.0
141 39.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 13.008 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF127060.D

Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

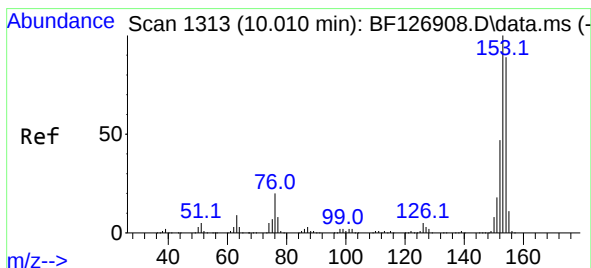
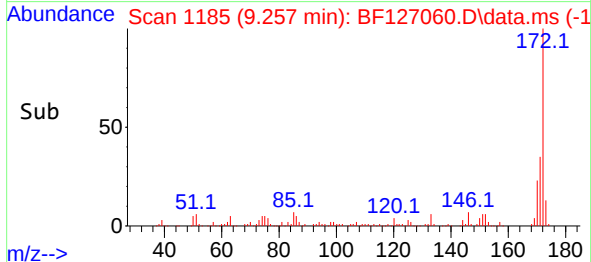
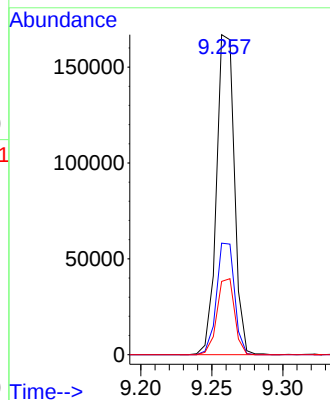
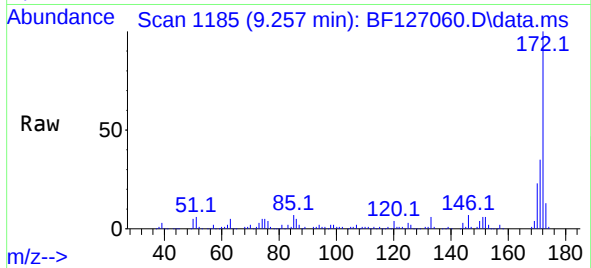
RO-124042DL

Tgt Ion:172 Resp: 146015
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 22.9 19.0 28.6

Manual Integrations

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#52

Acenaphthene

Concen: 13.120 ng

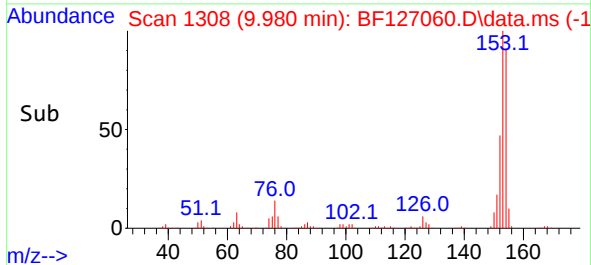
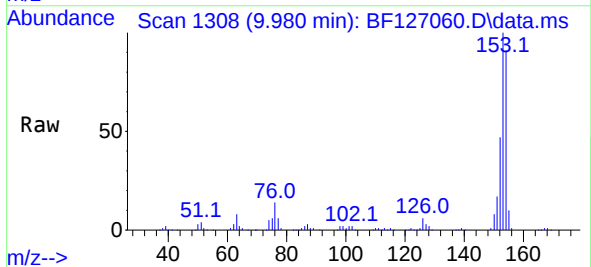
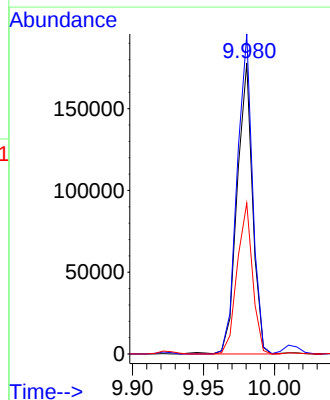
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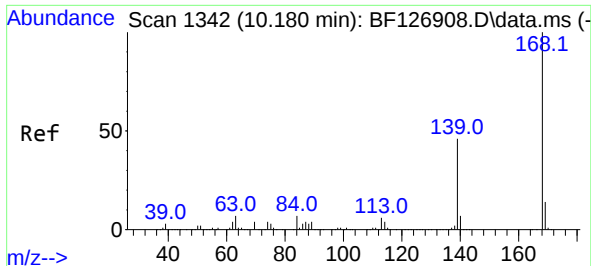
Delta R.T. -0.006 min

Lab File: BF127060.D

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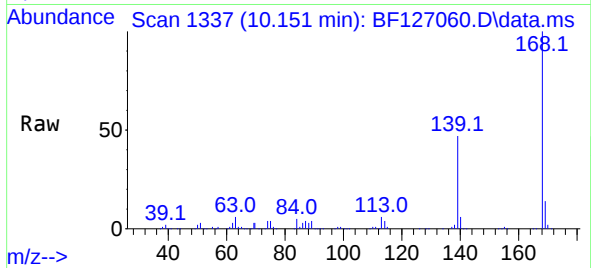
Tgt Ion:154 Resp: 134566
 Ion Ratio Lower Upper
 154 100
 153 110.0 87.8 131.6
 152 51.8 39.4 59.2





#55
Dibenzenofuran
Concen: 7.371 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

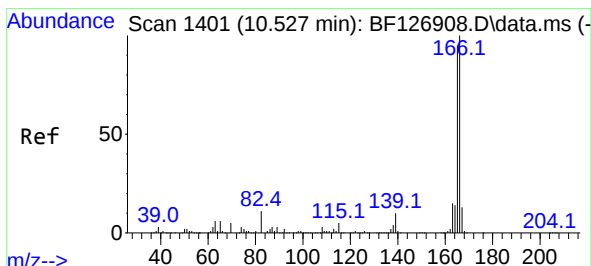
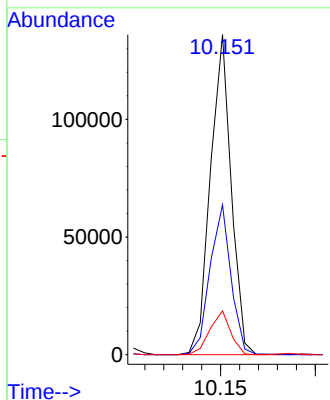
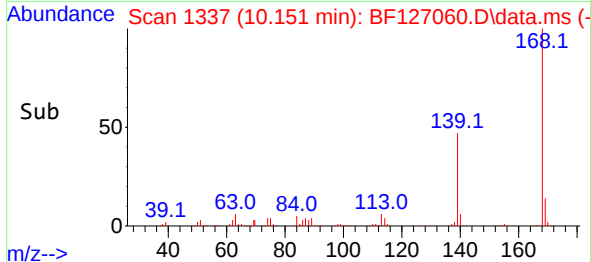
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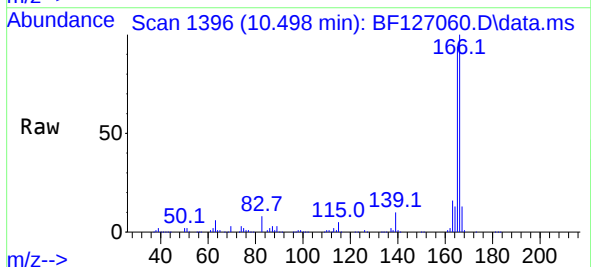
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Ion Ratio Lower Upper
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169 13.7 10.0 15.0

Manual Integrations
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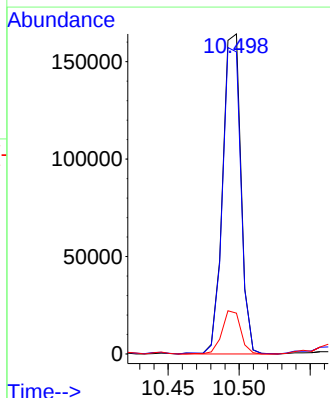
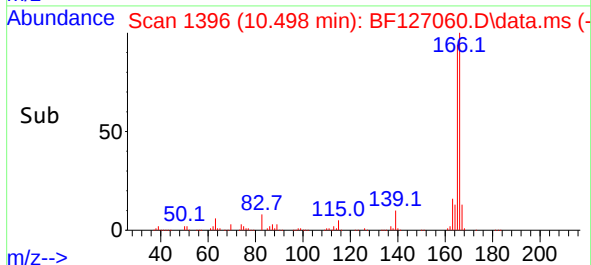
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

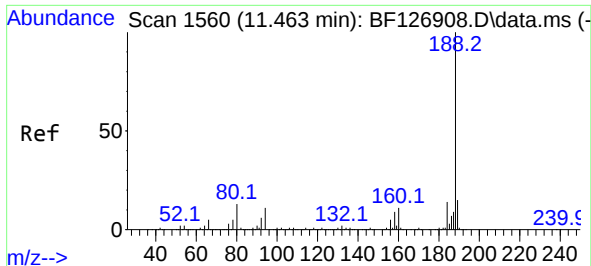


#58
Fluorene
Concen: 13.331 ng
RT: 10.498 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36



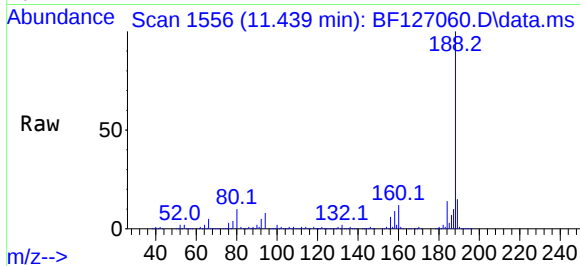
Tgt Ion:166 Resp: 146457
Ion Ratio Lower Upper
166 100
165 94.4 77.7 116.5
167 12.8 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

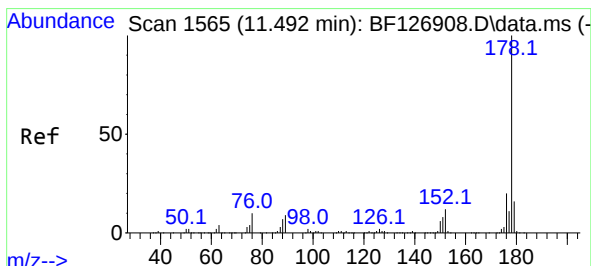
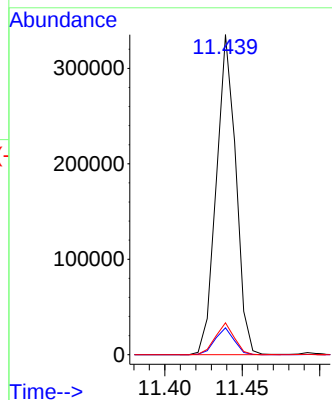
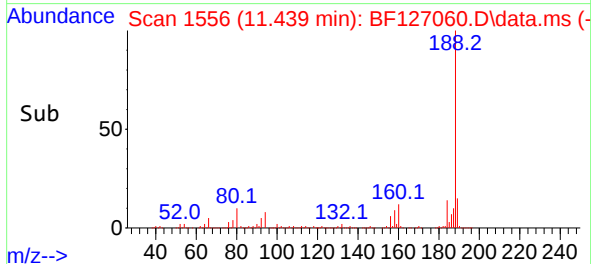
Instrument :
BNA_F
ClientSampleId :
RO-124042DL



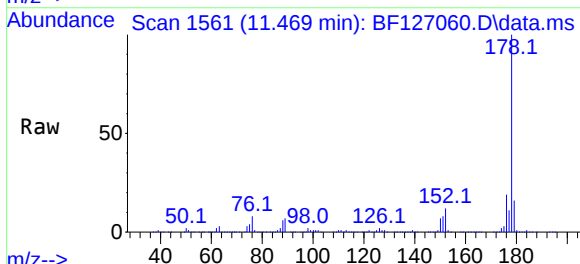
Tgt Ion:188 Resp: 293800
Ion Ratio Lower Upper
188 100
94 8.4 10.1 15.1
80 9.9 11.8 17.6

Manual Integrations
APPROVED

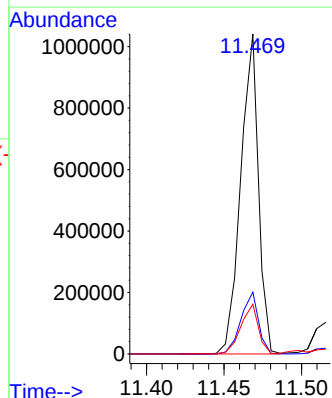
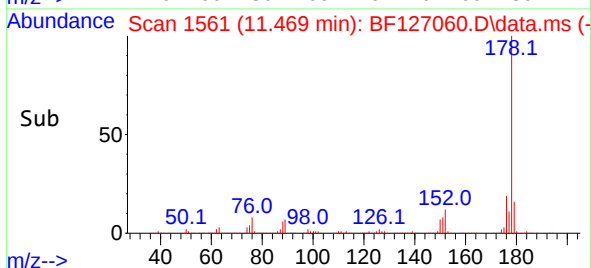
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

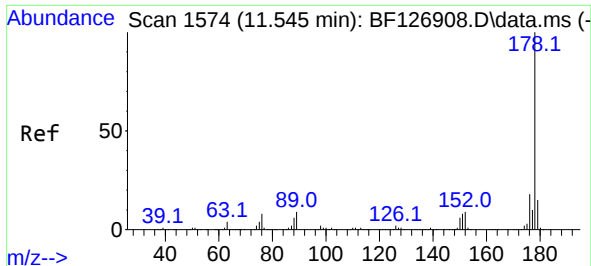


#71
Phenanthrene
Concen: 50.344 ng
RT: 11.469 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36



Tgt Ion:178 Resp: 827894
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.3 18.5





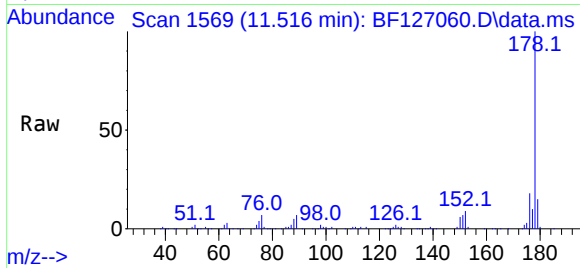
#72
 Anthracene
 Concen: 5.105 ng
 RT: 11.516 min Scan# 1156
 Delta R.T. -0.006 min
 Lab File: BF127060.D
 Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

RO-124042DL

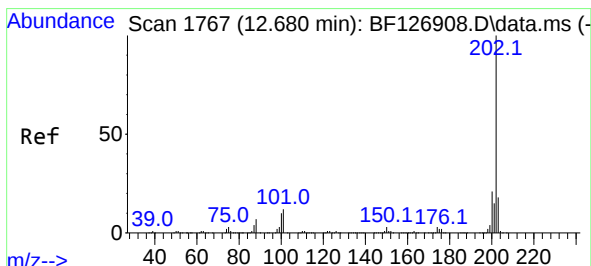
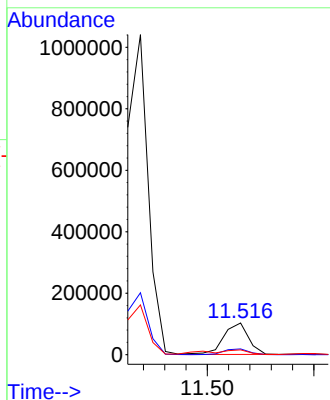
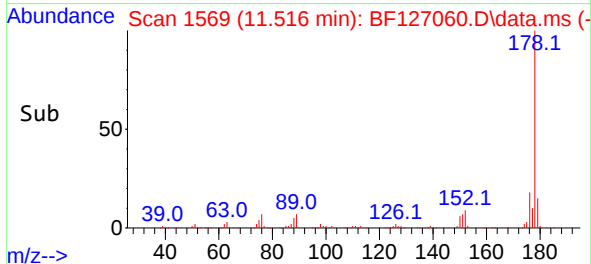


Tgt Ion:178 Resp: 8357
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 15.2 12.5 18.7

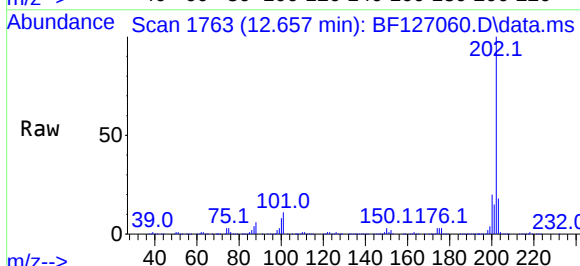
Manual Integrations

APPROVED

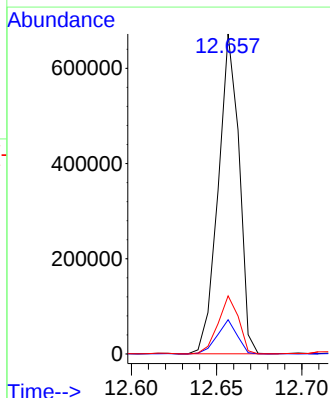
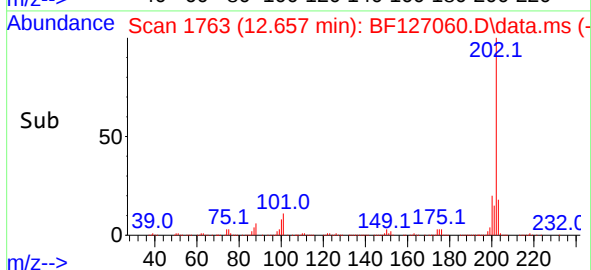
Reviewed By :Christian Giraldo 02/25/2022
 Supervised By :Jagrut Upadhyay 02/25/2022

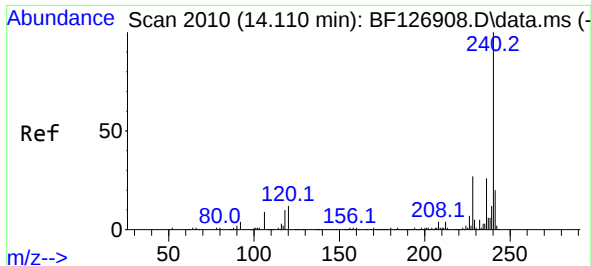


#75
 Fluoranthene
 Concen: 36.685 ng
 RT: 12.657 min Scan# 1763
 Delta R.T. -0.000 min
 Lab File: BF127060.D
 Acq: 24 Feb 2022 16:36



Tgt Ion:202 Resp: 572813
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 35.7
 203 18.2 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

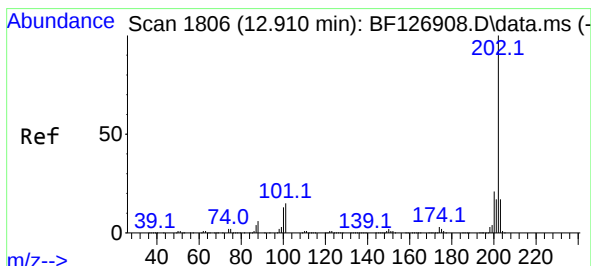
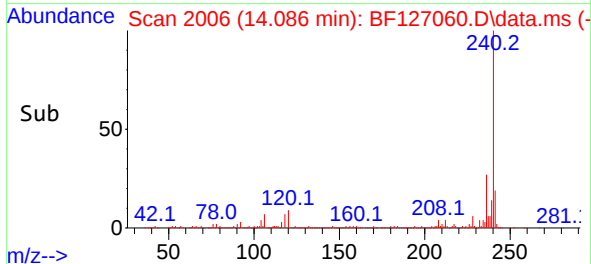
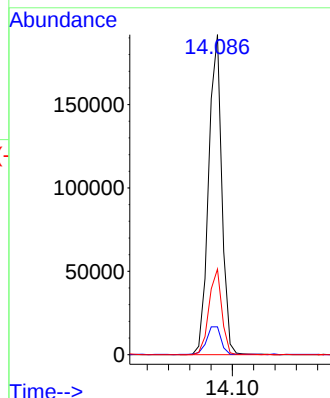
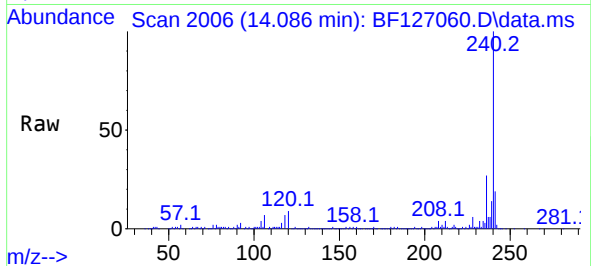
RO-124042DL

Tgt Ion:240 Resp: 164870
Ion Ratio Lower Upper
240 100
120 8.7 14.4 21.6
236 26.8 20.5 30.7

Manual Integrations

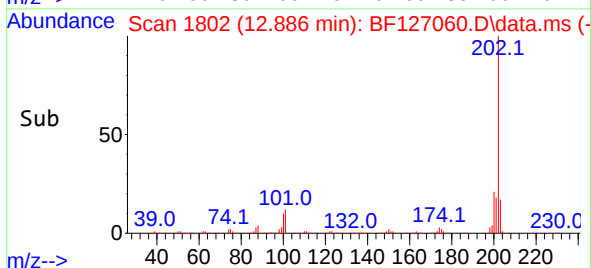
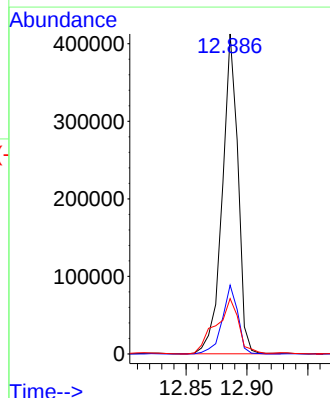
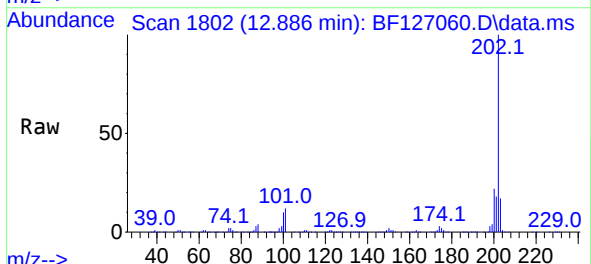
APPROVED

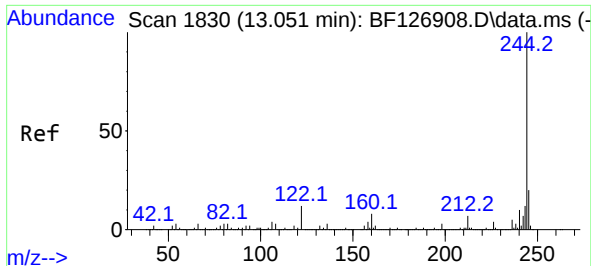
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#78
Pyrene
Concen: 25.820 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Tgt Ion:202 Resp: 369834
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 17.3 13.8 20.8





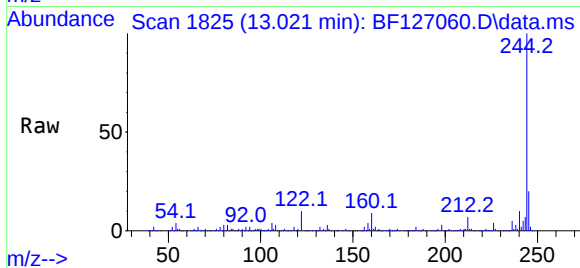
#79
Terphenyl-d14
Concen: 15.563 ng
RT: 13.021 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

RO-124042DL

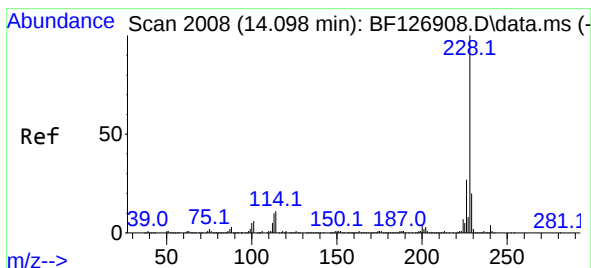
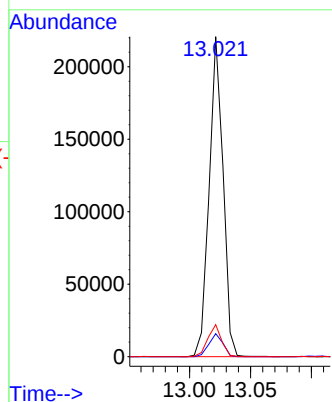
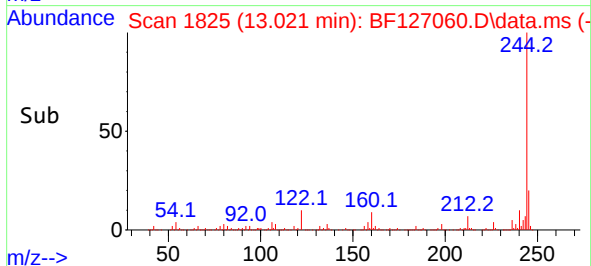


Tgt Ion:244 Resp: 174544
Ion Ratio Lower Upper
244 100
212 7.2 5.0 7.4
122 10.0 13.3 19.9

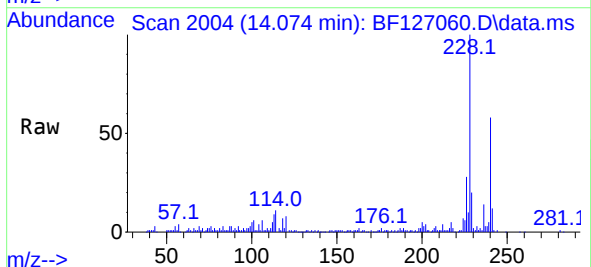
Manual Integrations

APPROVED

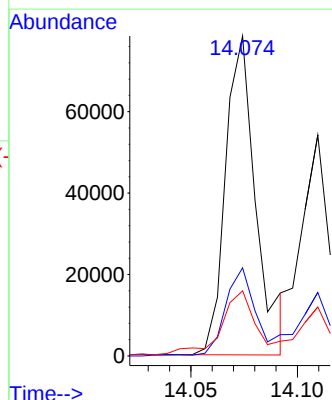
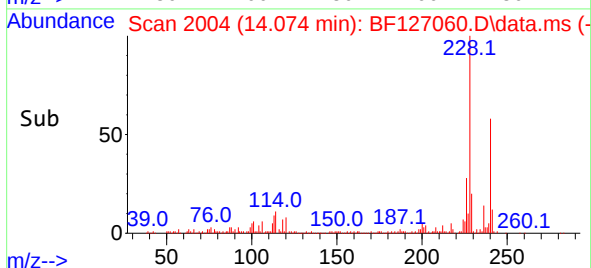
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

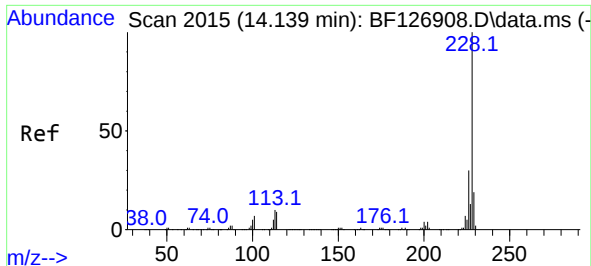


#81
Benzo(a)anthracene
Concen: 7.017 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36



Tgt Ion:228 Resp: 77993
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.0
229 20.4 15.4 23.2





#83
Chrysene
Concen: 4.566 ng
RT: 14.110 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Instrument :

BNA_F

ClientSampleId :

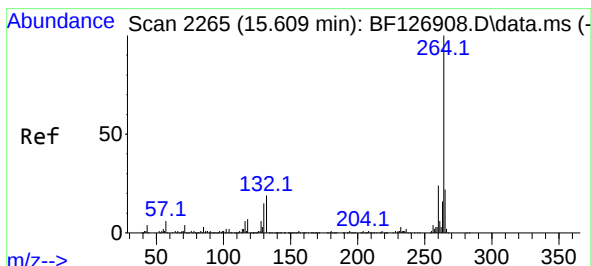
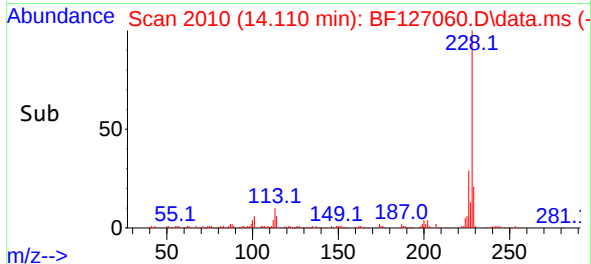
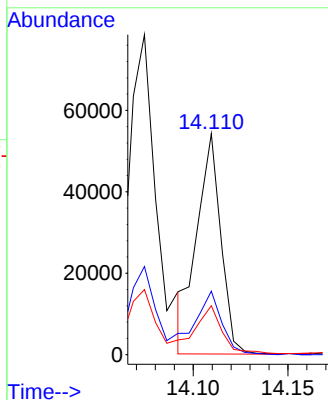
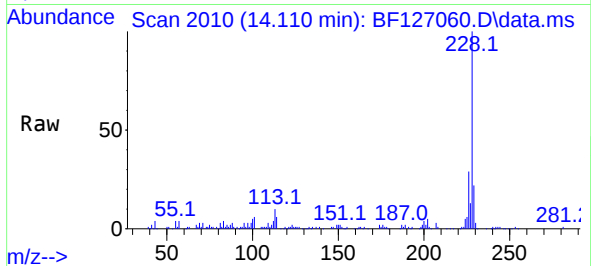
RO-124042DL

Tgt Ion:228 Resp: 4772
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 22.1 15.5 23.3

Manual Integrations

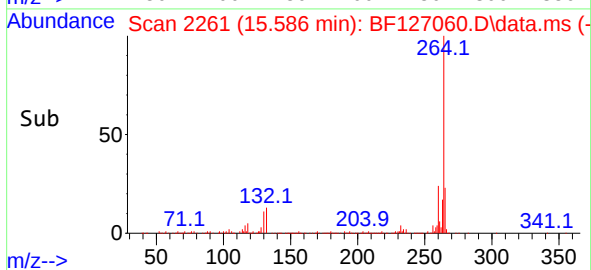
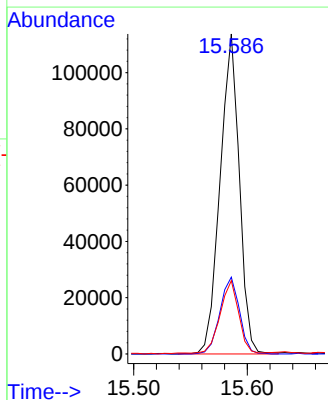
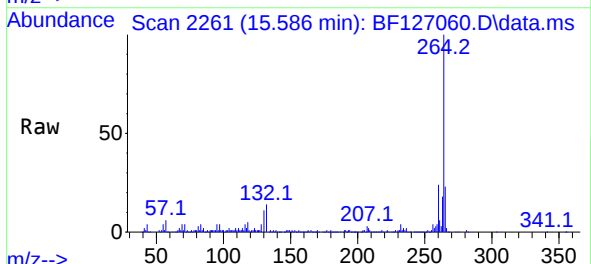
APPROVED

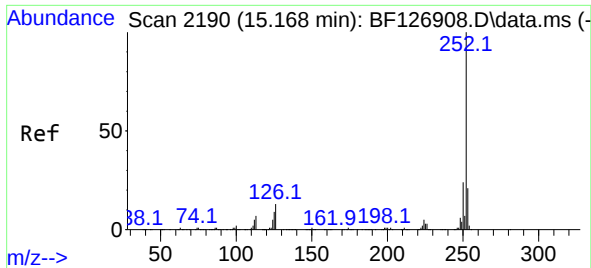
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2261
Delta R.T. -0.000 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Tgt Ion:264 Resp: 133859
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.9 17.4 26.2





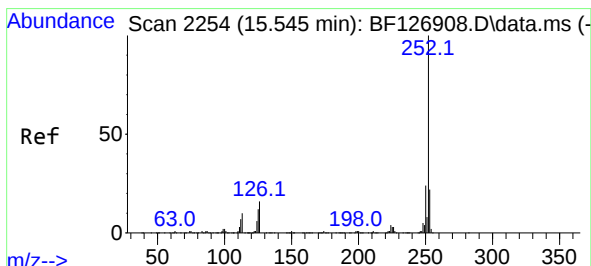
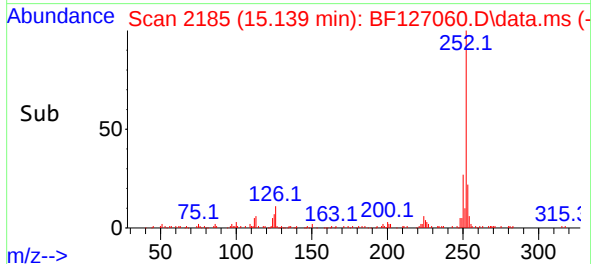
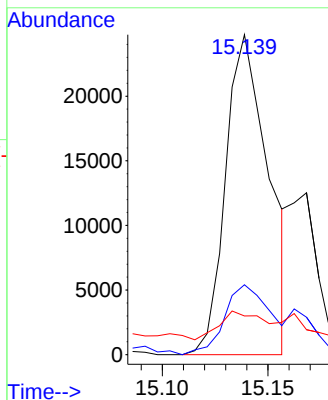
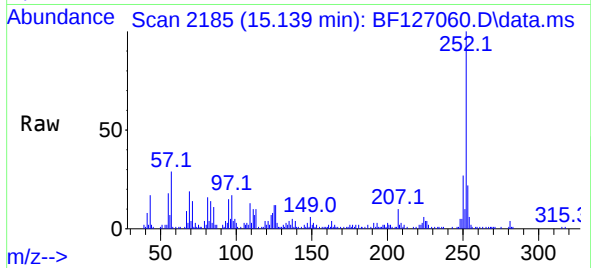
#88
Benzo(b)fluoranthene
Concen: 3.898 ng m
RT: 15.139 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Instrument :
BNA_F
ClientSampleId :
RO-124042DL

Tgt Ion:252 Resp: 35049
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.1 12.4 18.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#90
Benzo(a)pyrene
Concen: 2.613 ng
RT: 15.515 min Scan# 2249
Delta R.T. -0.006 min
Lab File: BF127060.D
Acq: 24 Feb 2022 16:36

Tgt Ion:252 Resp: 18347
Ion Ratio Lower Upper
252 100
253 21.0 17.1 25.7
125 13.5 13.0 19.6

