

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
 Data File : BF127044.D
 Acq On : 23 Feb 2022 17:32
 Operator : CG\JU
 Sample : N1626-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-B6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2022
 Supervised By : Jagrut Upadhyay 02/24/2022

Quant Time: Feb 24 02:16:48 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	6.910	152	92305	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	353561	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	150790	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	185103	20.000	ng	# 0.00
76) Chrysene-d12	14.098	240	134472	20.000	ng	# 0.01
86) Perylene-d12	15.615	264	103324	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	249749	41.818	ng	0.01
7) Phenol-d6	6.540	99	603869	74.934	ng	0.00
23) Nitrobenzene-d5	7.475	82	697880	89.095	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	39104	22.524	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	1066981	104.169	ng	0.00
79) Terphenyl-d14	13.039	244	739159	80.804	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	42302	4.083	ng	97
75) Fluoranthene	12.663	202	82363	8.372	ng	93
78) Pyrene	12.892	202	68631	5.875	ng	93
81) Benzo(a)anthracene	14.086	228	40675	4.487	ng	# 90
83) Chrysene	14.121	228	47667m	5.591	ng	
87) Indeno(1,2,3-cd)pyrene	17.145	276	20640	3.046	ng	93
88) Benzo(b)fluoranthene	15.163	252	58213m	8.388	ng	
89) Benzo(k)fluoranthene	15.192	252	20368m	3.043	ng	
90) Benzo(a)pyrene	15.545	252	29355	5.416	ng	# 1
92) Benzo(g,h,i)perylene	17.609	276	19503	3.531	ng	# 63

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

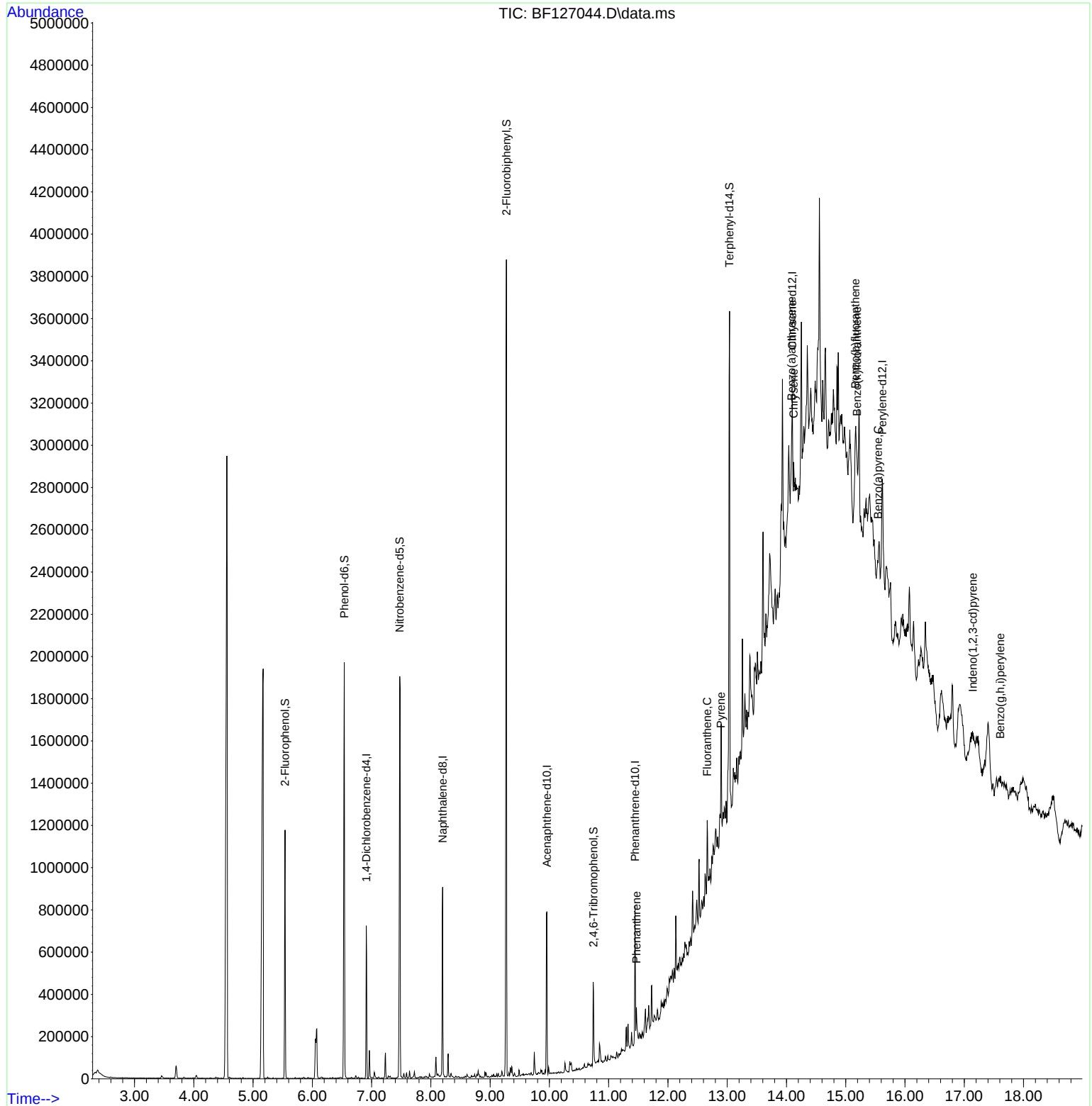
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 24 02:10:57 2022
Response via : Initial Calibration





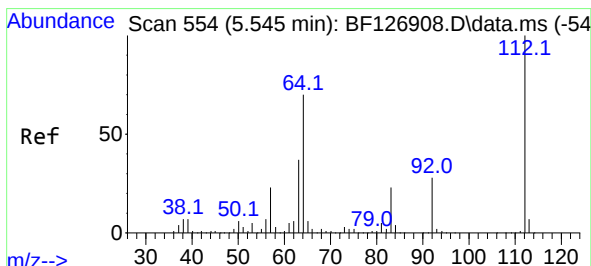
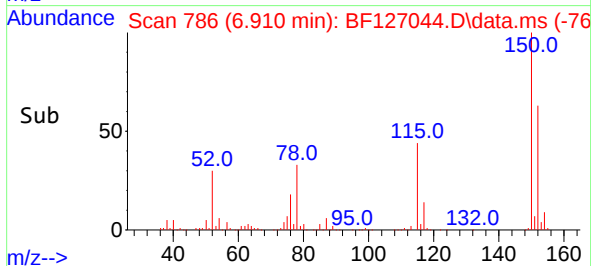
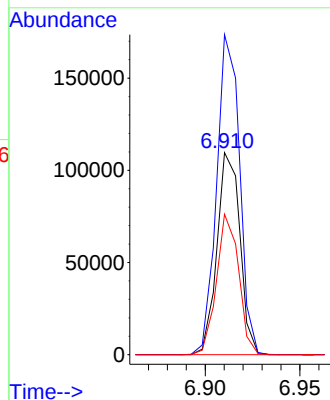
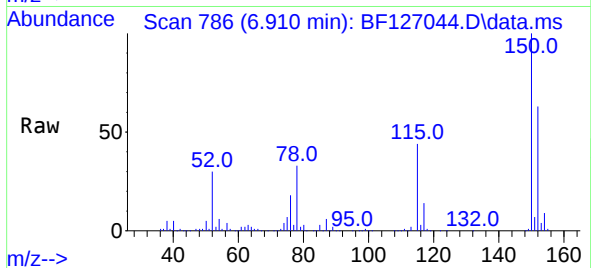
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

Instrument :
BNA_F
ClientSampleId :
CC-B6

Tgt Ion:152 Resp: 9230
Ion Ratio Lower Upper
152 100
150 158.3 128.1 192.1
115 69.5 56.7 85.1

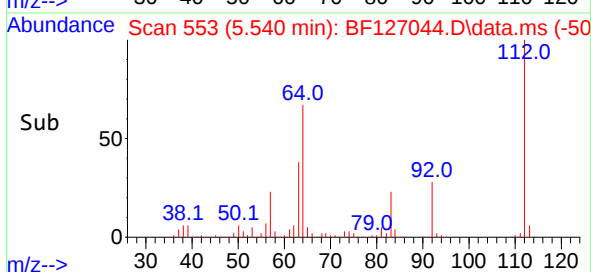
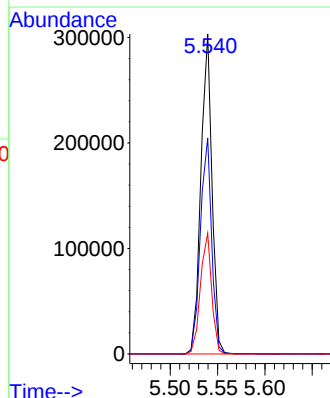
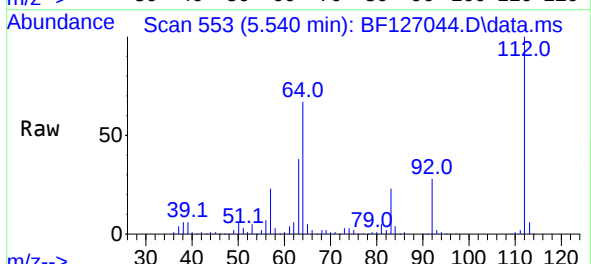
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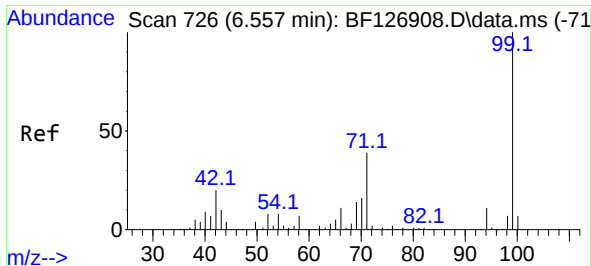
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#5
2-Fluorophenol
Concen: 41.818 ng
RT: 5.540 min Scan# 553
Delta R.T. 0.012 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

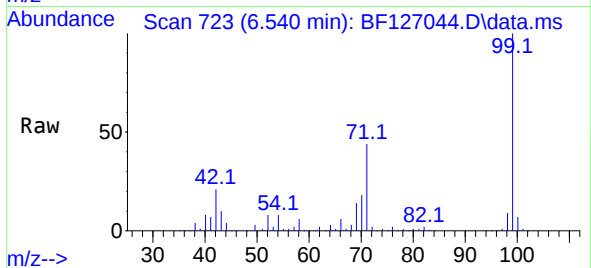
Tgt Ion:112 Resp: 249749
Ion Ratio Lower Upper
112 100
64 67.5 49.5 74.3
63 37.8 23.9 35.9





#7
Phenol-d6
Concen: 74.934 ng
RT: 6.540 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

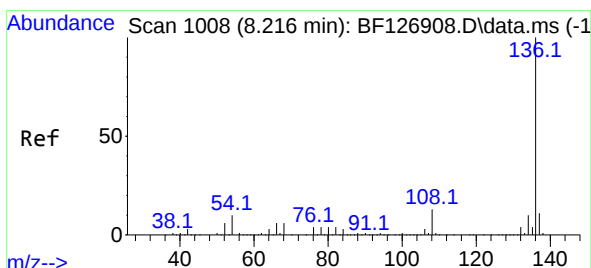
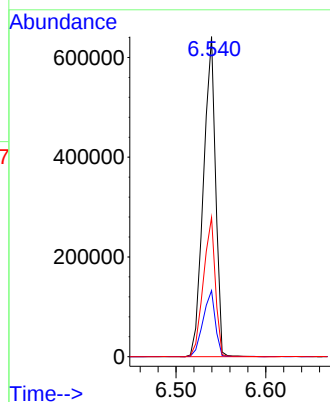
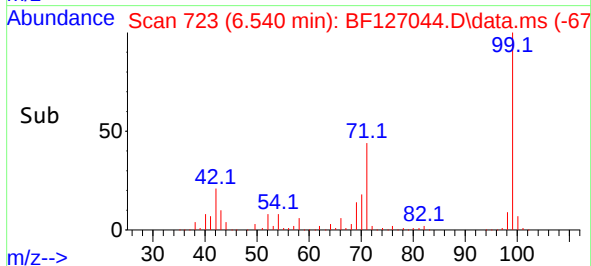
Instrument :
BNA_F
ClientSampleId :
CC-B6



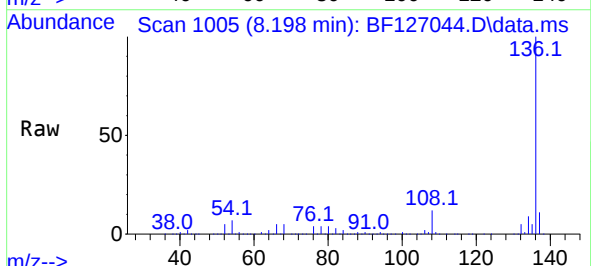
Tgt Ion: 99 Resp: 603869
Ion Ratio Lower Upper
99 100
42 20.7 14.2 21.4
71 43.5 24.3 36.5

Manual Integrations
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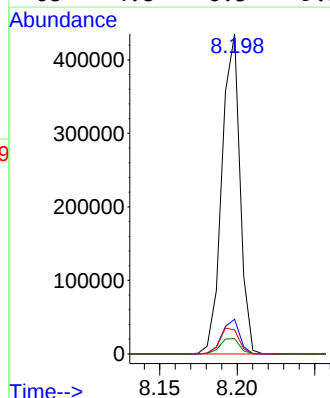
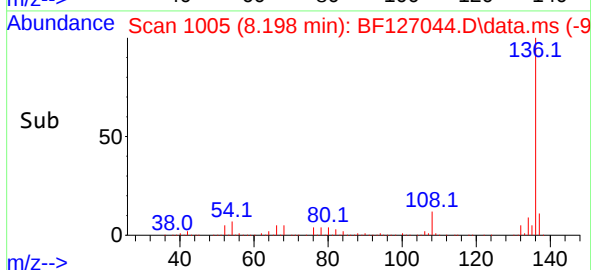
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. 0.006 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



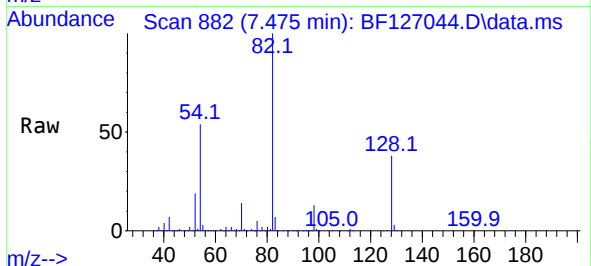
Tgt Ion:136 Resp: 353561
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.5 7.8 11.6#
68 4.8 6.3 9.5#





#23
Nitrobenzene-d5
Concen: 89.095 ng
RT: 7.475 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

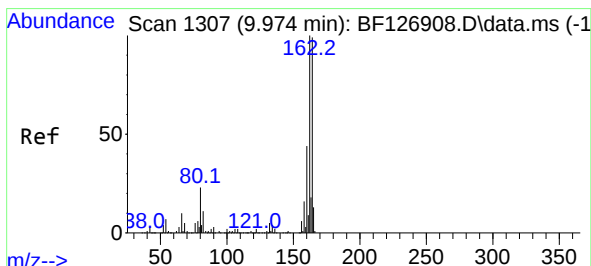
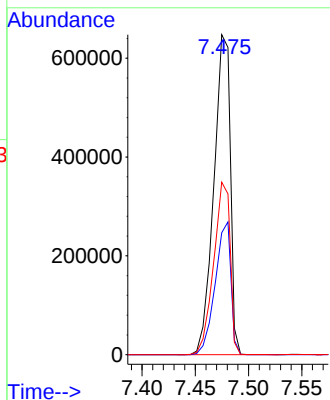
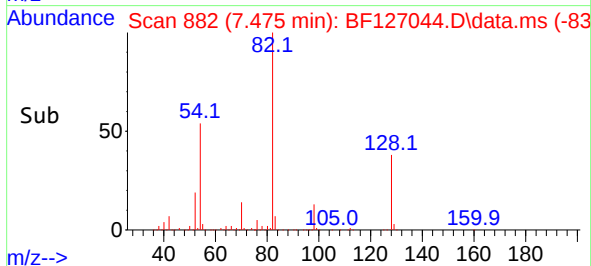
Instrument :
BNA_F
ClientSampleId :
CC-B6



Tgt Ion: 82 Resp: 697880
Ion Ratio Lower Upper
82 100
128 38.1 32.7 49.1
54 53.9 41.7 62.5

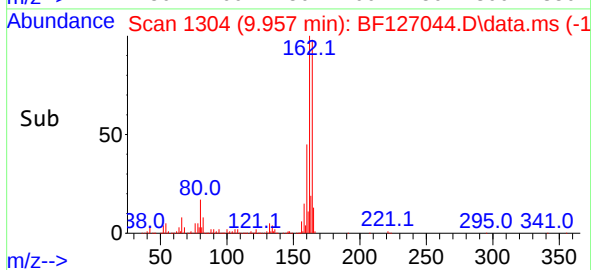
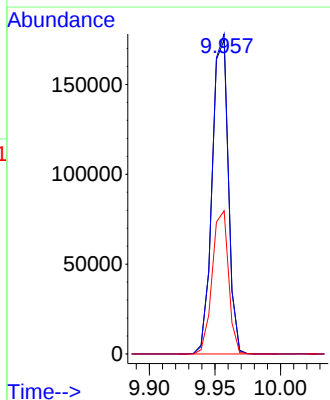
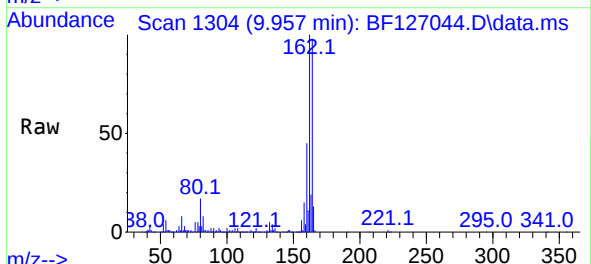
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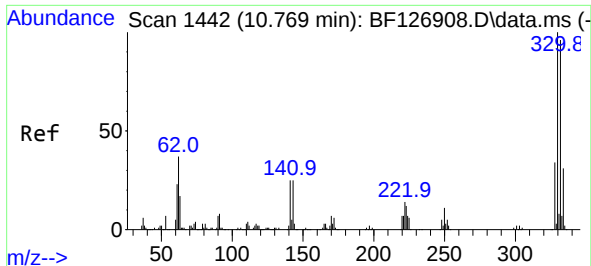
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1304
Delta R.T. 0.006 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

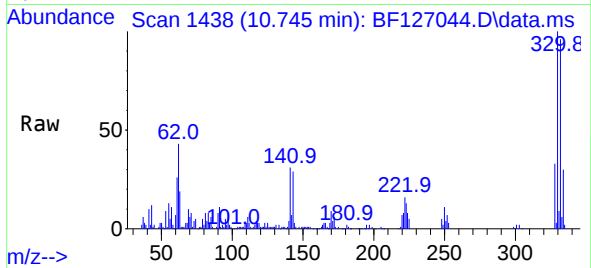
Tgt Ion:164 Resp: 150790
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 45.6 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 22.524 ng
RT: 10.745 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

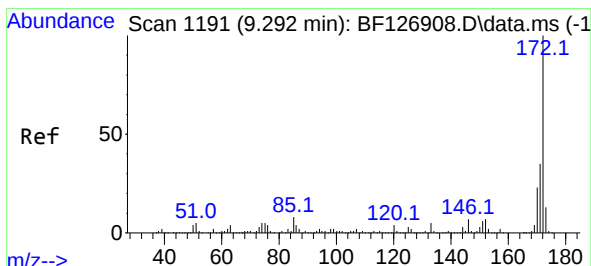
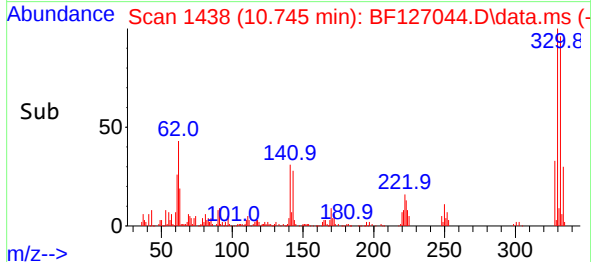
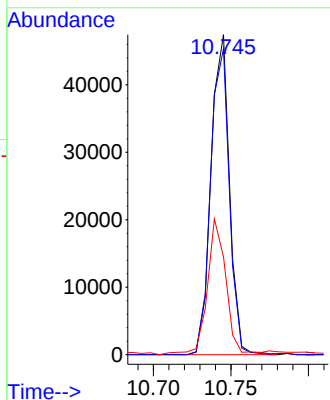
Instrument :
BNA_F
ClientSampleId :
CC-B6



Tgt Ion: 330 Resp: 39104
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 42.8 30.1 45.1

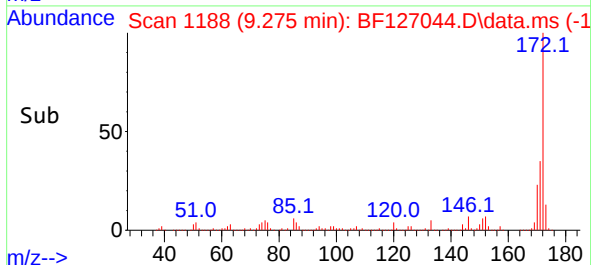
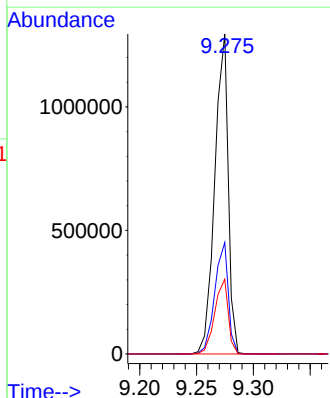
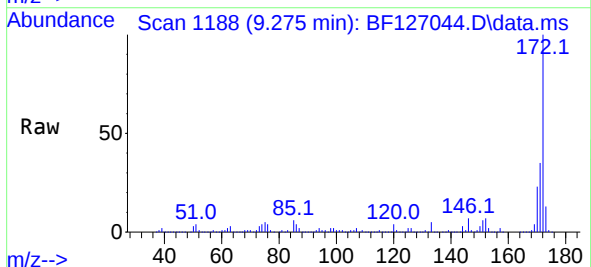
Manual Integrations
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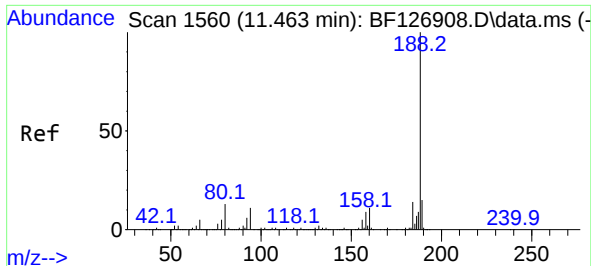
Reviewed By : Christian Giraldo 02/24/2022
Supervised By : Jagrut Upadhyay 02/24/2022



#45
2-Fluorobiphenyl
Concen: 104.169 ng
RT: 9.275 min Scan# 1188
Delta R.T. 0.006 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

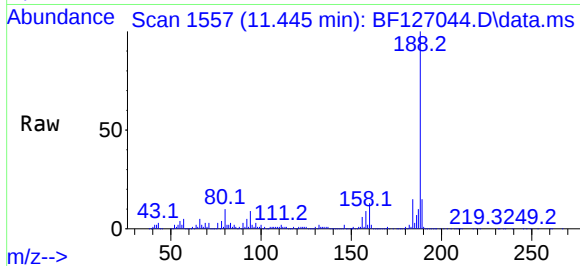
Tgt Ion: 172 Resp: 1066981
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

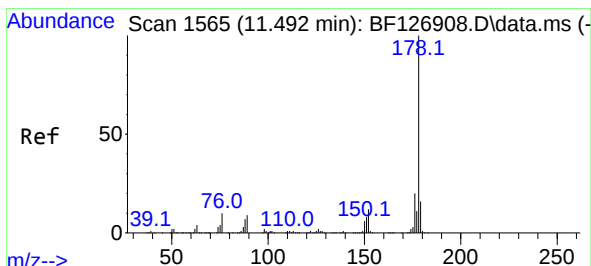
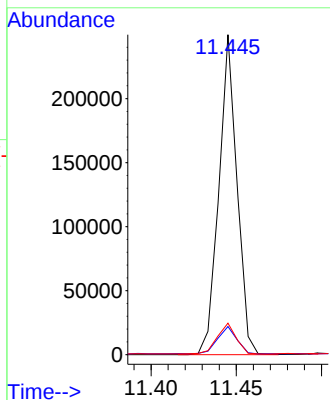
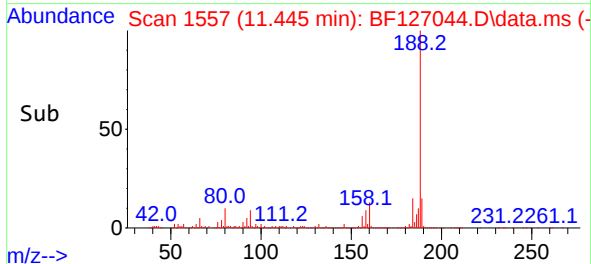
Instrument :
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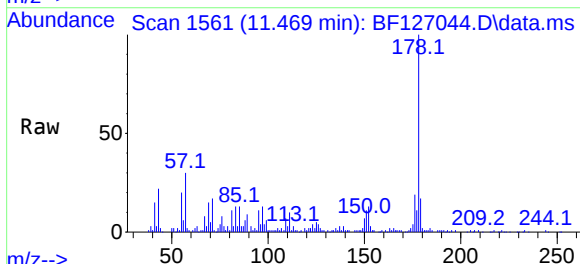
Tgt Ion:188 Resp: 18510
Ion Ratio Lower Upper
188 100
94 8.8 10.1 15.1
80 9.9 11.8 17.6

Manual Integrations
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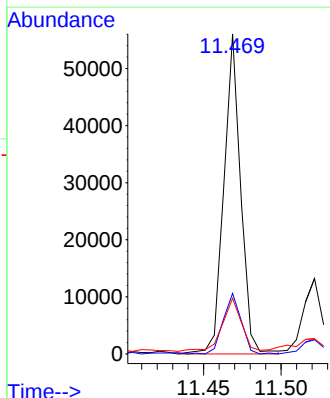
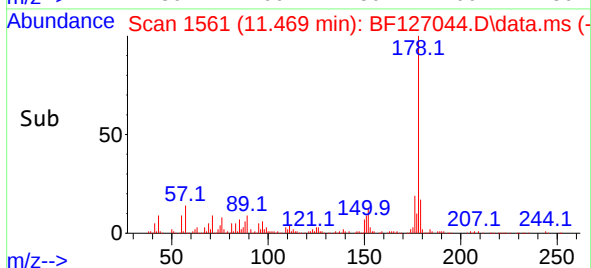
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

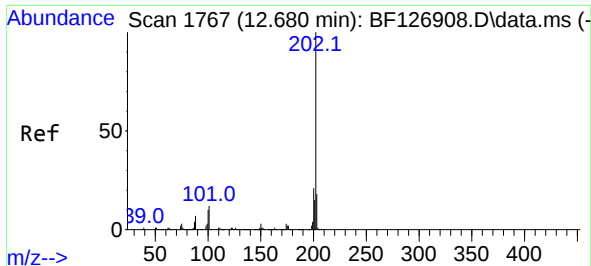


#71
Phenanthrene
Concen: 4.083 ng
RT: 11.469 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



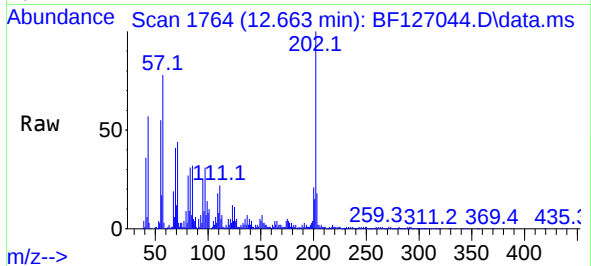
Tgt Ion:178 Resp: 42302
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 17.4 12.3 18.5





#75
Fluoranthene
Concen: 8.372 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

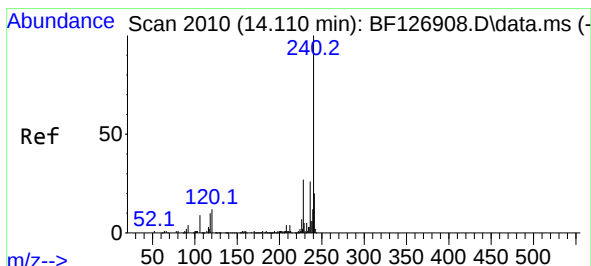
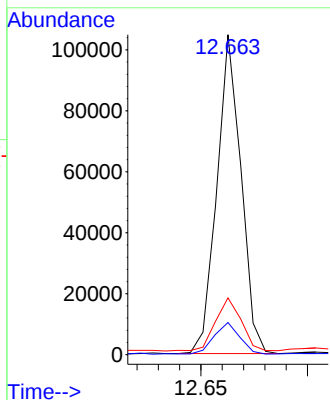
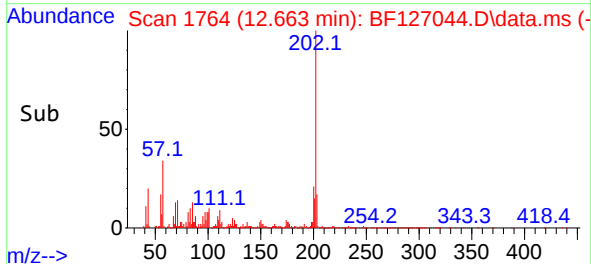
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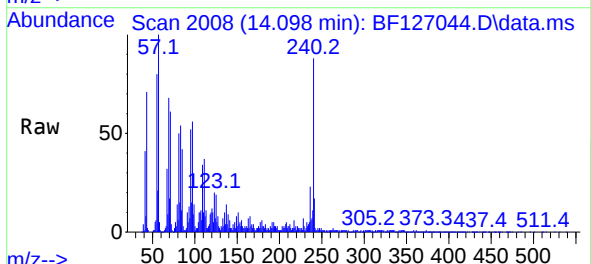
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Ion Ratio Lower Upper
202 100
101 10.1 0.0 35.7
203 17.8 0.0 37.1

Manual Integrations
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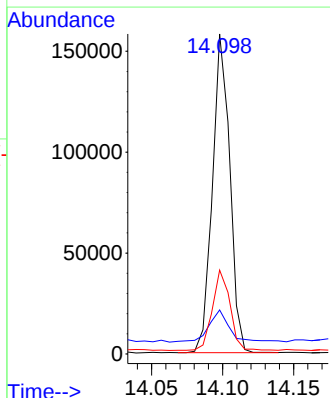
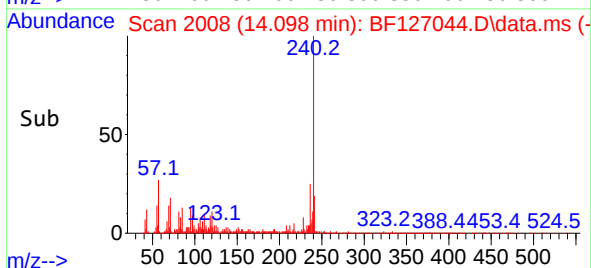
Reviewed By :Christian Giraldo 02/24/2022
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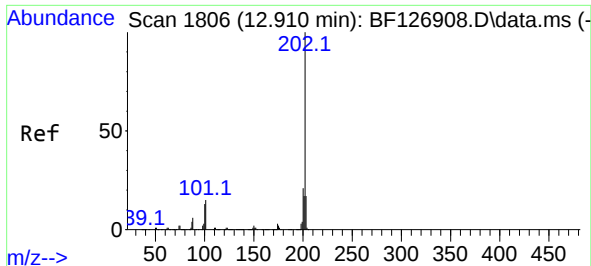


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2008
Delta R.T. 0.012 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



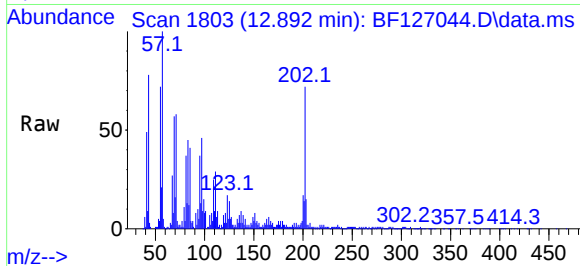
Tgt Ion:240 Resp: 134472
Ion Ratio Lower Upper
240 100
120 13.8 14.4 21.6#
236 26.2 20.5 30.7





#78
Pyrene
Concen: 5.875 ng
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

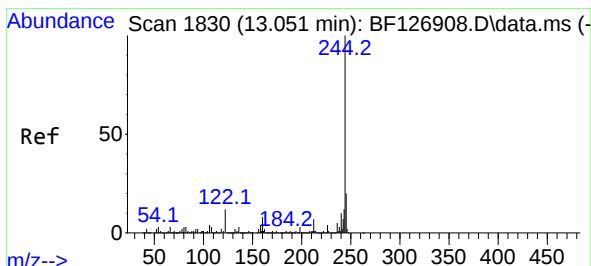
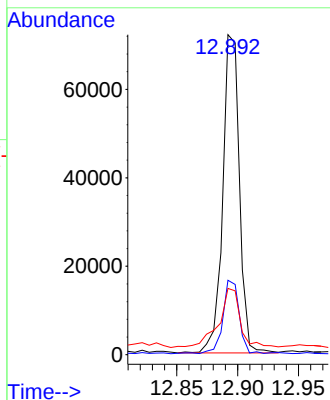
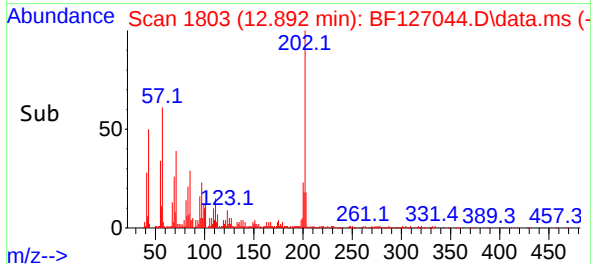
Instrument :
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CC-B6



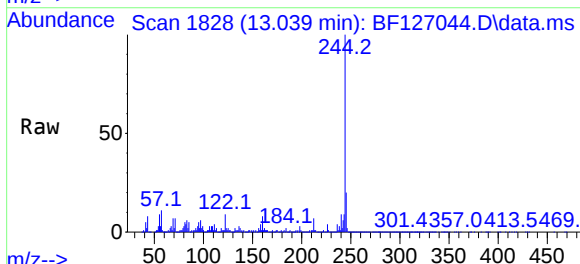
Tgt Ion:202 Resp: 6863
Ion Ratio Lower Upper
202 100
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203 20.7 13.8 20.8

Manual Integrations
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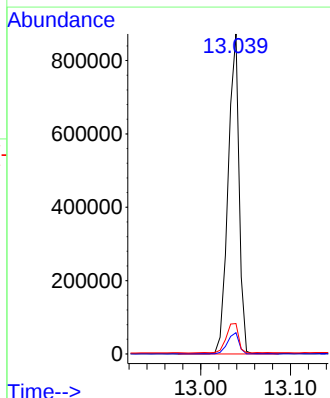
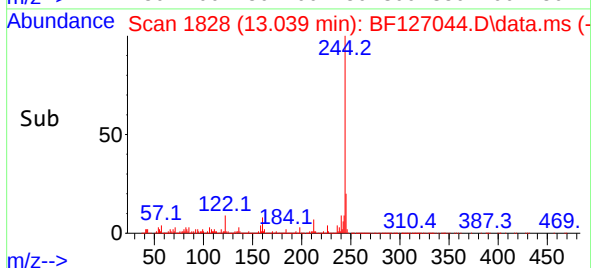
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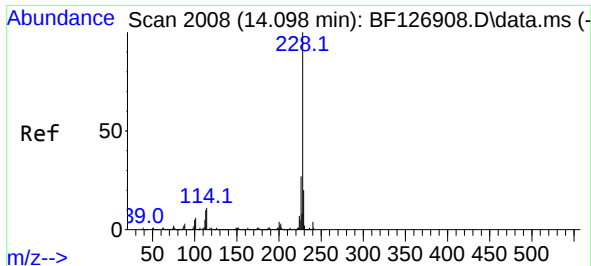


#79
Terphenyl-d14
Concen: 80.804 ng
RT: 13.039 min Scan# 1828
Delta R.T. 0.012 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



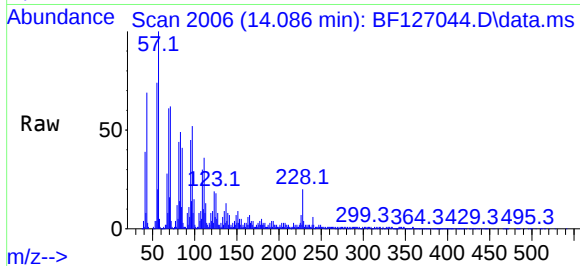
Tgt Ion:244 Resp: 739159
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 9.5 13.3 19.9#





#81
Benzo(a)anthracene
Concen: 4.487 ng
RT: 14.086 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

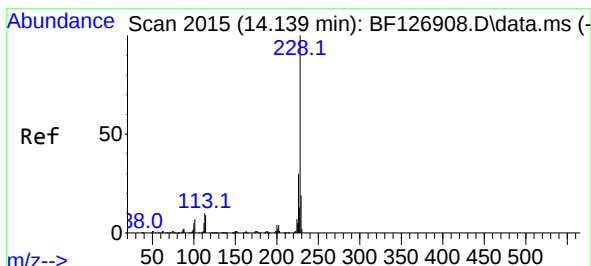
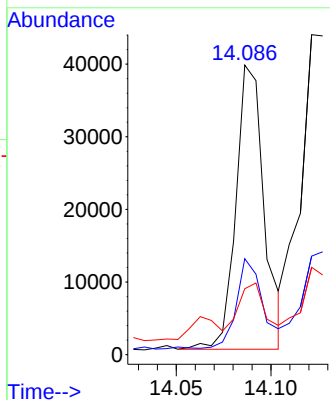
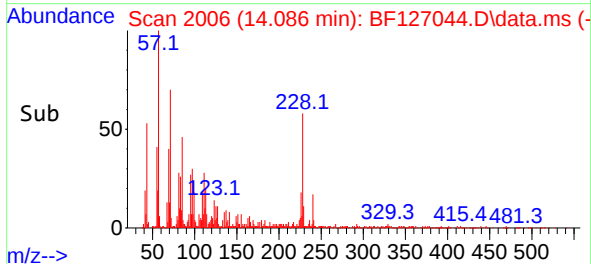
Instrument :
BNA_F
ClientSampleId :
CC-B6



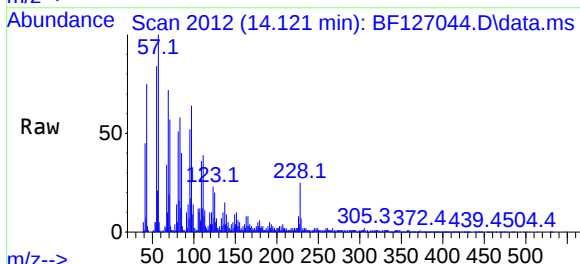
Tgt Ion:228 Resp: 40675
Ion Ratio Lower Upper
228 100
226 33.2 21.4 32.0
229 22.8 15.4 23.2

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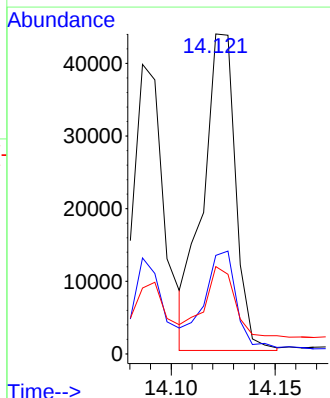
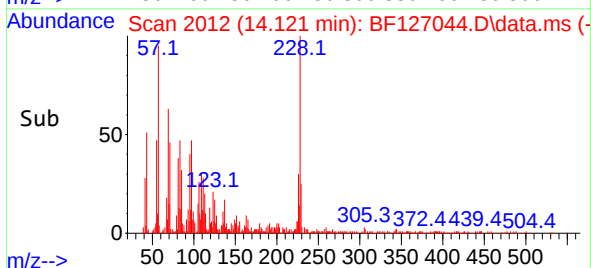
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

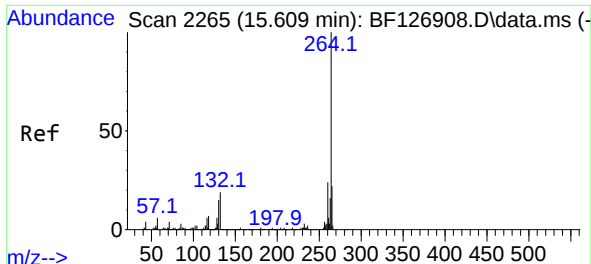


#83
Chrysene
Concen: 5.591 ng m
RT: 14.121 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



Tgt Ion:228 Resp: 47667
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 27.3 15.5 23.3#





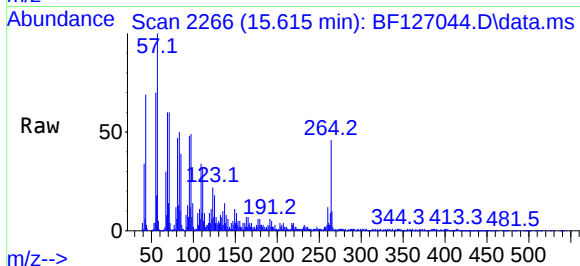
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

Instrument :

BNA_F

ClientSampleId :

CC-B6

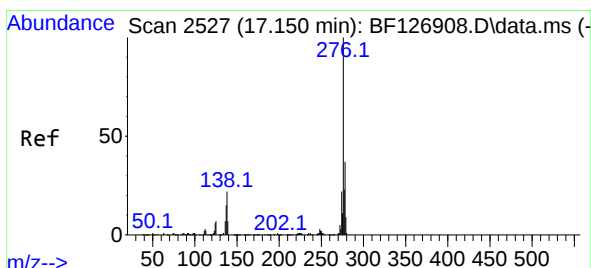
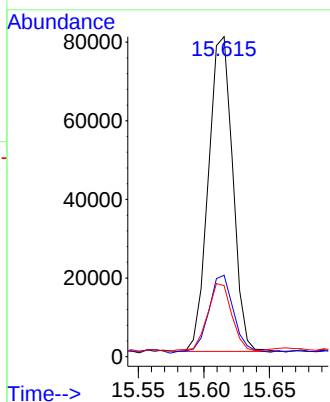
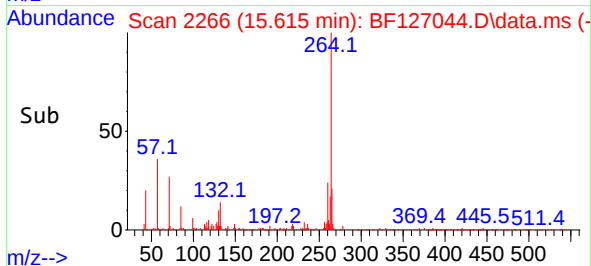


Tgt Ion:264 Resp: 103324
Ion Ratio Lower Upper
264 100
260 25.5 19.2 28.8
265 22.2 17.4 26.2

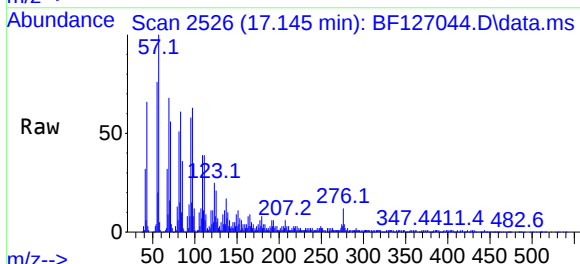
Manual Integrations

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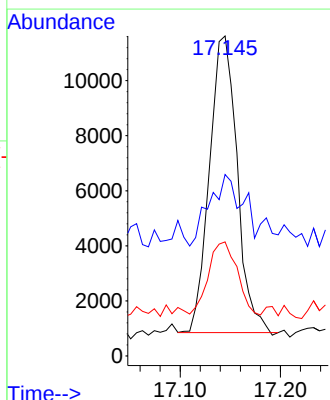
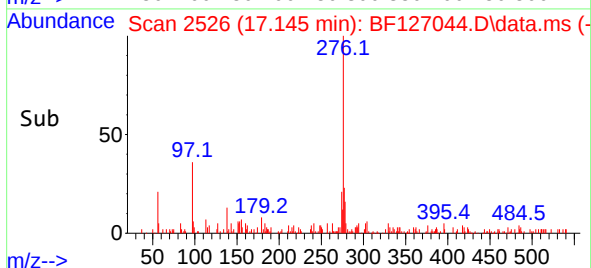
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022

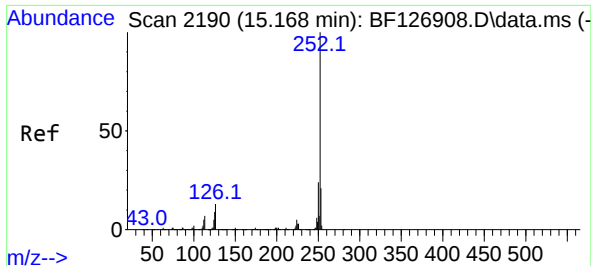


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.046 ng
RT: 17.145 min Scan# 2526
Delta R.T. 0.030 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



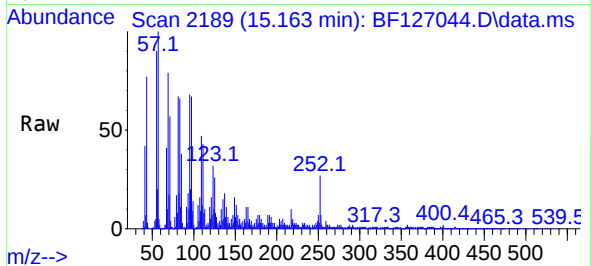
Tgt Ion:276 Resp: 20640
Ion Ratio Lower Upper
276 100
138 30.0 29.2 43.8
277 25.4 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 8.388 ng m
RT: 15.163 min Scan# 2190
Delta R.T. 0.018 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

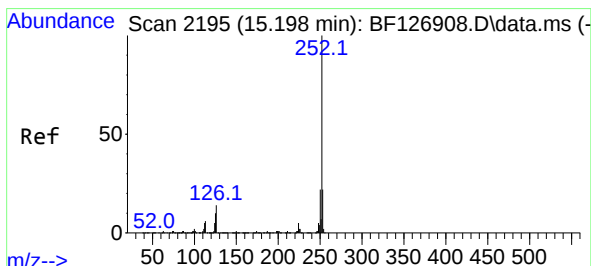
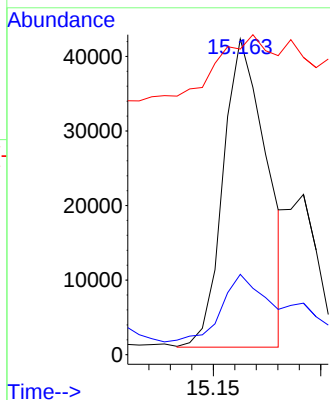
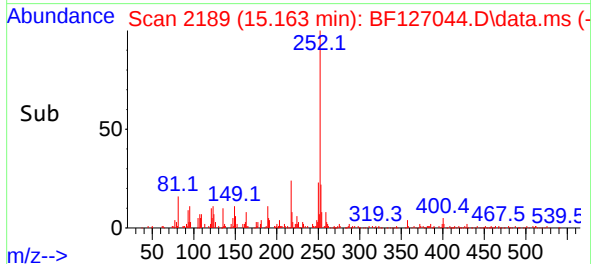
Instrument :
BNA_F
ClientSampleId :
CC-B6



Tgt Ion:252 Resp: 5821
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 96.8 12.4 18.6

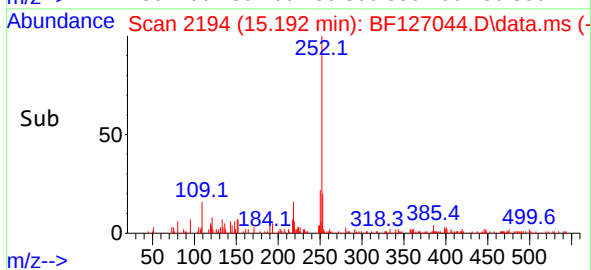
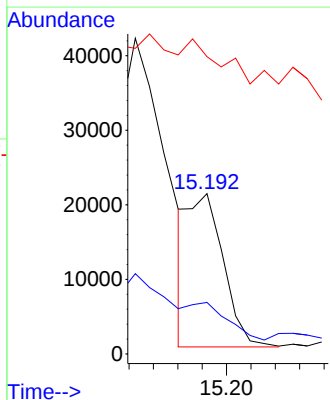
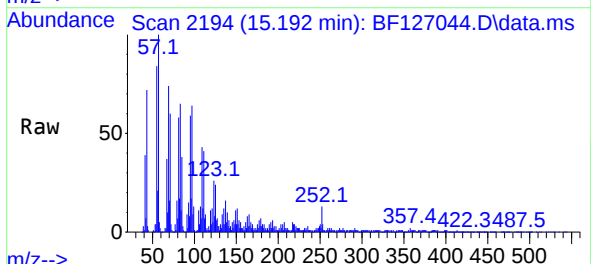
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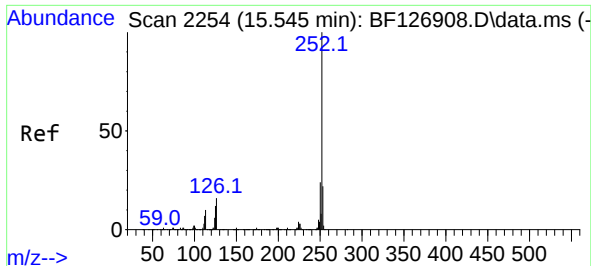
Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#89
Benzo(k)fluoranthene
Concen: 3.043 ng m
RT: 15.192 min Scan# 2194
Delta R.T. 0.018 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

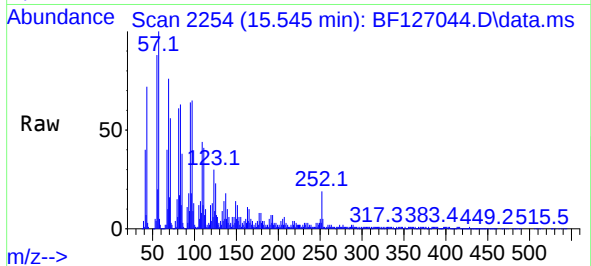
Tgt Ion:252 Resp: 20368
Ion Ratio Lower Upper
252 100
253 32.1 17.5 26.3#
125 185.3 11.8 17.6#





#90
Benzo(a)pyrene
Concen: 5.416 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32

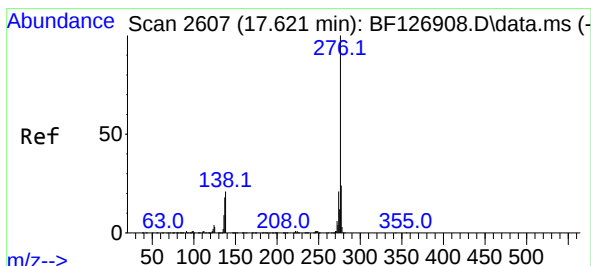
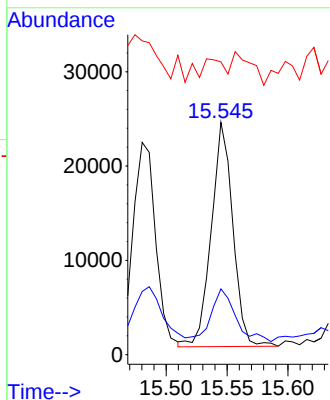
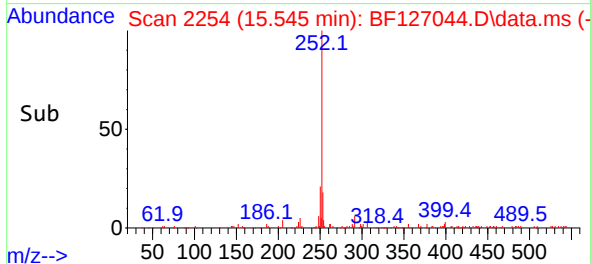
Instrument :
BNA_F
ClientSampleId :
CC-B6



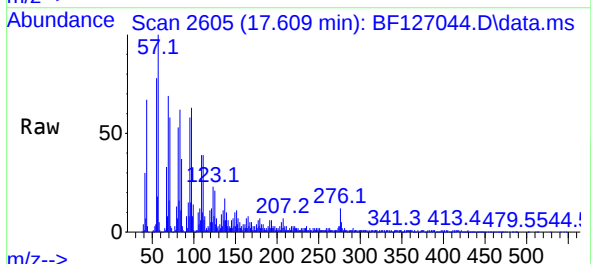
Tgt Ion:252 Resp: 2935
Ion Ratio Lower Upper
252 100
253 28.3 17.1 25.7#
125 126.1 13.0 19.6#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/24/2022
Supervised By :Jagrut Upadhyay 02/24/2022



#92
Benzo(g,h,i)perylene
Concen: 3.531 ng
RT: 17.609 min Scan# 2605
Delta R.T. 0.030 min
Lab File: BF127044.D
Acq: 23 Feb 2022 17:32



Tgt Ion:276 Resp: 19503
Ion Ratio Lower Upper
276 100
277 39.1 18.5 27.7#
138 54.3 25.9 38.9#

