

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126367.D
 Acq On : 27 Dec 2021 21:12
 Operator : JU/CG
 Sample : M5230-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124042

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 28 06:00:33 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	107618	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	409826	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	168243	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	228811	20.000	ng	#-0.01
76) Chrysene-d12	13.969	240	199448	20.000	ng	#-0.01
86) Perylene-d12	15.415	264	226136	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	674228	92.262	ng	0.00
7) Phenol-d6	6.434	99	840576	90.589	ng	-0.01
23) Nitrobenzene-d5	7.369	82	507367	67.049	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	118487	87.633	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	606687	63.245	ng	-0.01
79) Terphenyl-d14	12.916	244	438292	38.196	ng	-0.01
Target Compounds						
52) Acenaphthene	9.875	154	45216	4.875	ng	98
55) Dibenzofuran	10.051	168	32333	2.560	ng	97
58) Fluorene	10.392	166	40691	4.451	ng	99
71) Phenanthrene	11.351	178	235241	19.919	ng	99
72) Anthracene	11.404	178	68136	5.748	ng	99
75) Fluoranthene	12.545	202	249529	23.452	ng	96
78) Pyrene	12.769	202	209216	11.418	ng	98
81) Benzo(a)anthracene	13.957	228	101850	8.621	ng	98
83) Chrysene	13.992	228	90633	7.384	ng	99
87) Indeno(1,2,3-cd)pyrene	16.839	276	44370	2.942	ng	95
88) Benzo(b)fluoranthene	14.998	252	118239m	8.702	ng	
89) Benzo(k)fluoranthene	15.021	252	38856m	2.989	ng	
90) Benzo(a)pyrene	15.357	252	87907	7.784	ng	# 97
92) Benzo(g,h,i)perylene	17.268	276	38688	3.050	ng	93

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

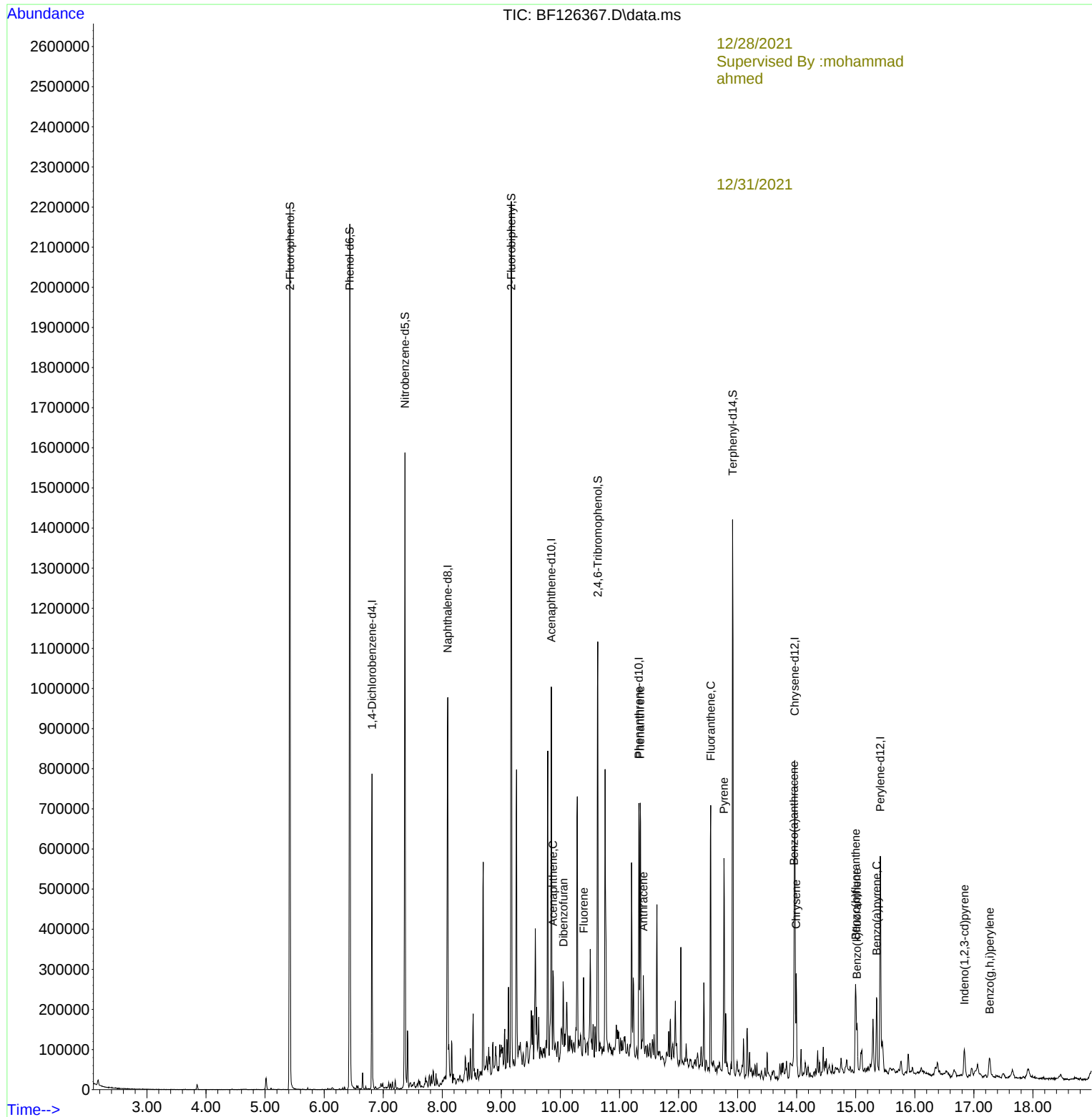
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
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ALS Vial : 14 Sample Multiplier: 1

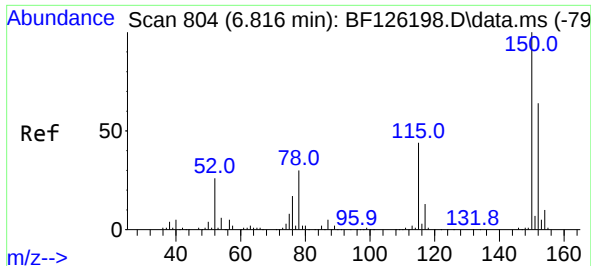
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

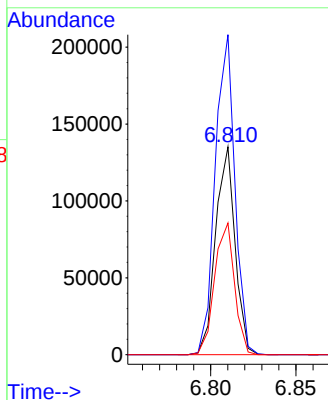
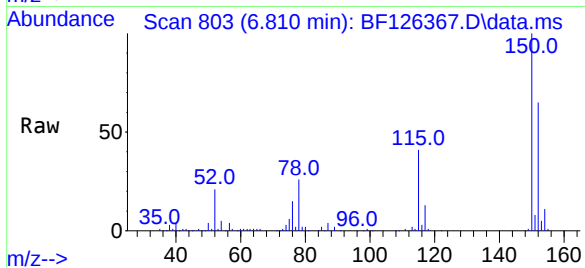
PSC124042

Tgt Ion:152 Resp: 107618
Ion Ratio Lower Upper
152 100
150 153.9 117.6 176.4
115 63.3 47.1 70.7

Manual Integrations

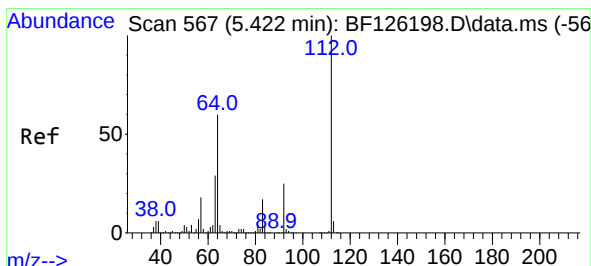
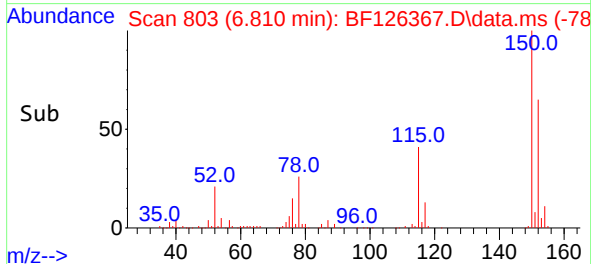
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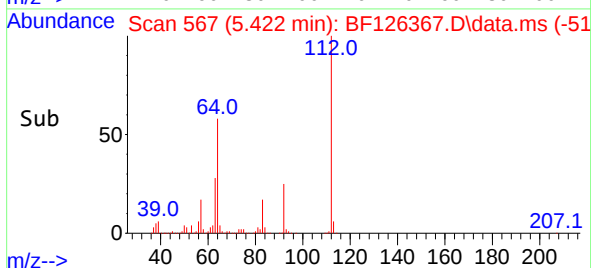
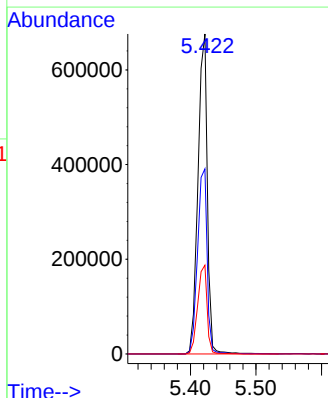
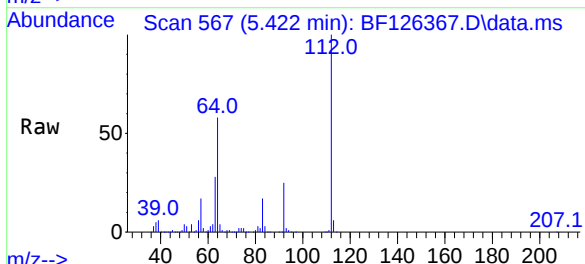
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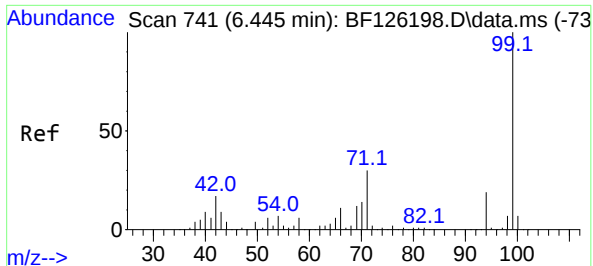
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#5
2-Fluorophenol
Concen: 92.262 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

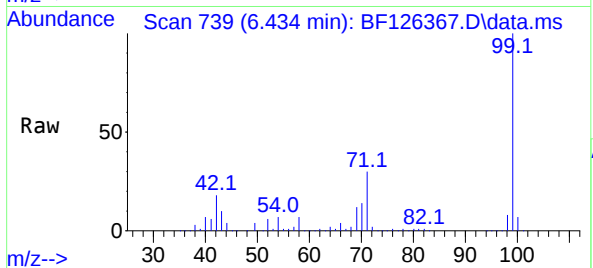
Tgt Ion:112 Resp: 674228
Ion Ratio Lower Upper
112 100
64 57.9 44.2 66.2
63 27.7 26.2 39.2





#7
Phenol-d6
Concen: 90.589 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

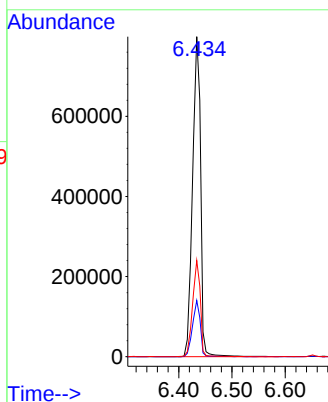
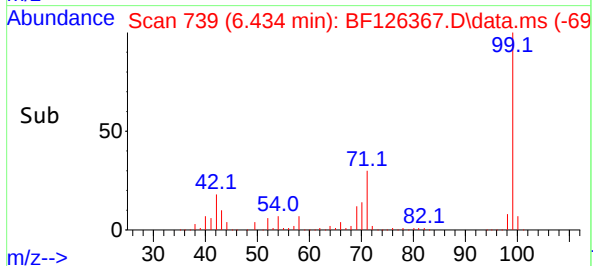
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 840570
Ion Ratio Lower Upper
99 100
42 17.6 23.5 35.3
71 30.0 25.6 38.4

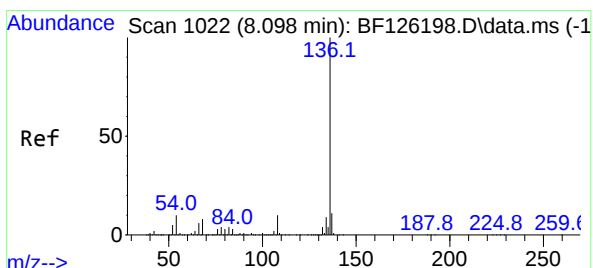
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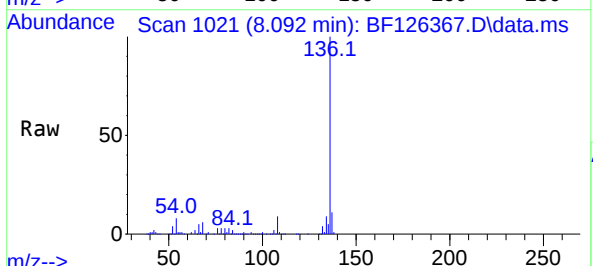


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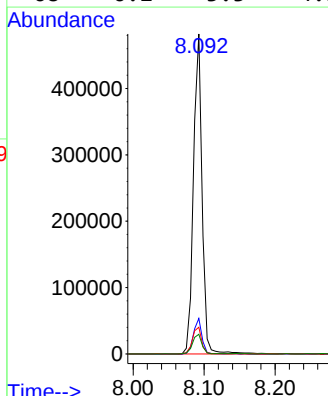
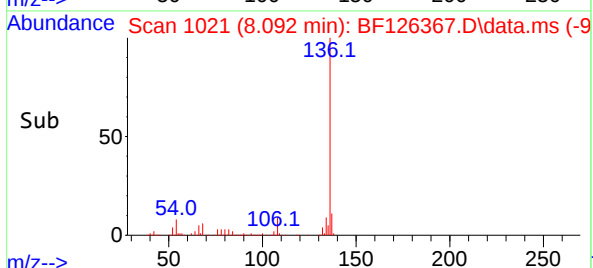
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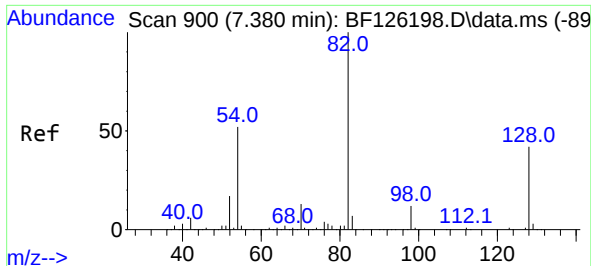


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



Tgt Ion:136 Resp: 409826
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 8.3 6.4 9.6
68 6.2 3.3 4.9





#23

Nitrobenzene-d5

Concen: 67.049 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126367.D

Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

Tgt Ion: 82 Resp: 50736

Ion Ratio Lower Upper

82 100

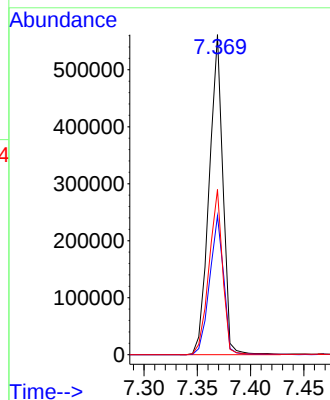
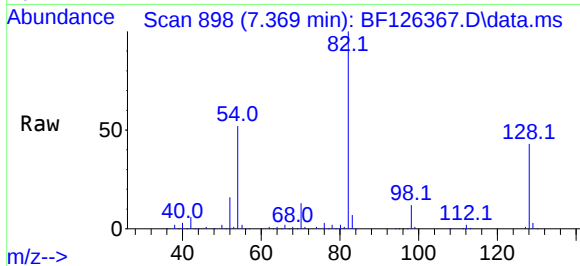
128 43.4 40.6 60.8

54 51.6 49.6 74.4

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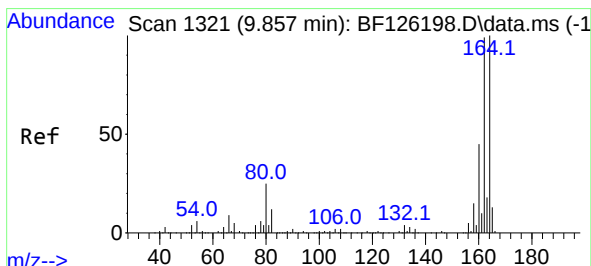
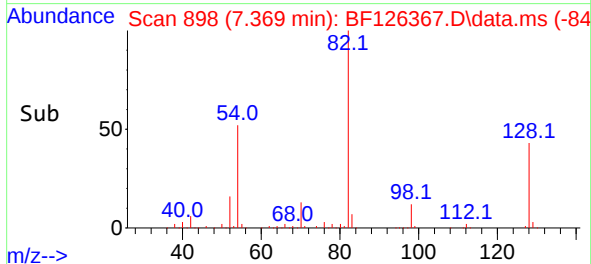
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.012 min

Lab File: BF126367.D

Acq: 27 Dec 2021 21:12

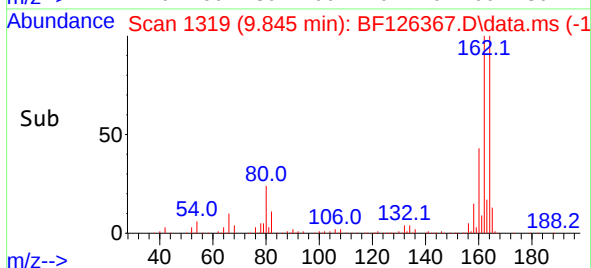
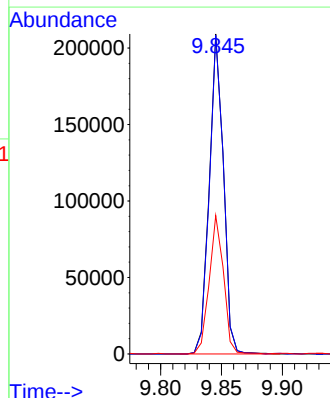
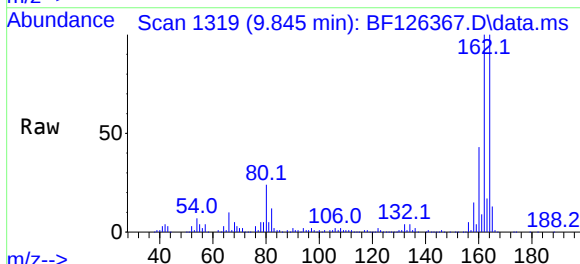
Tgt Ion:164 Resp: 168243

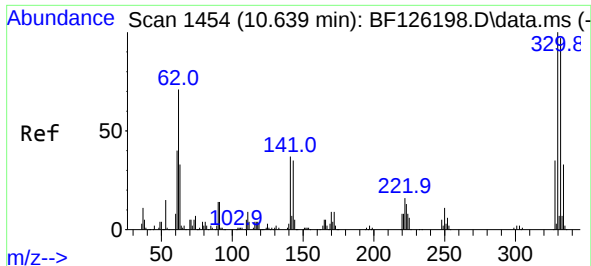
Ion Ratio Lower Upper

164 100

162 99.6 81.3 121.9

160 43.3 38.0 57.0





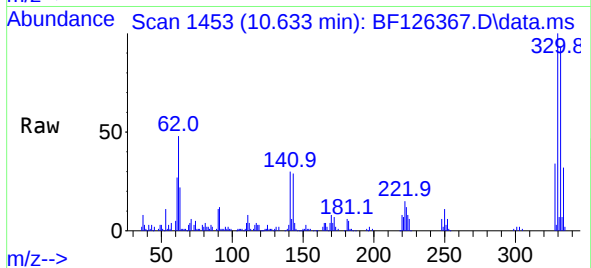
#42
2,4,6-Tribromophenol
Concen: 87.633 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

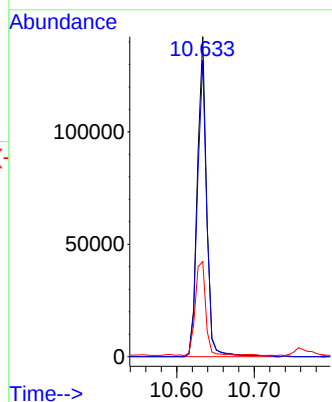
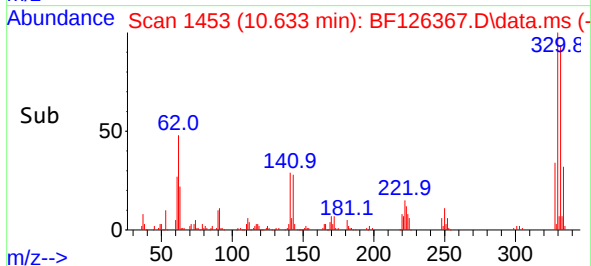


Tgt Ion:330 Resp: 11848
Ion Ratio Lower Upper
330 100
332 93.5 76.2 114.4
141 32.6 44.6 66.8

Manual Integrations

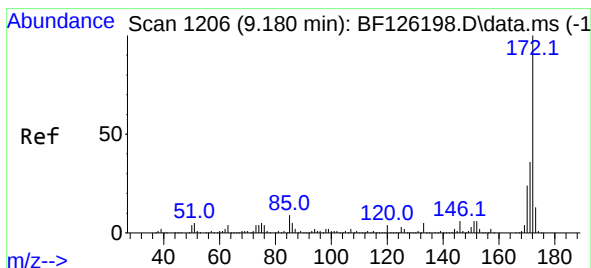
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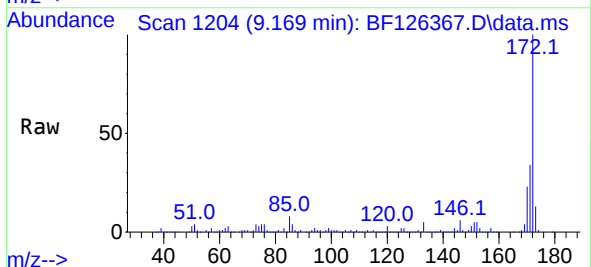


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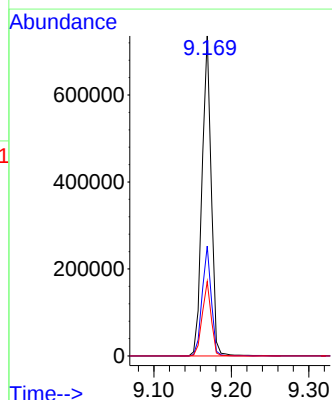
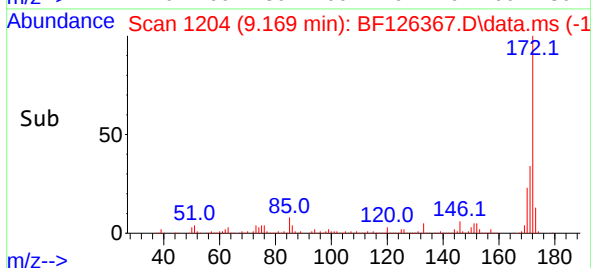
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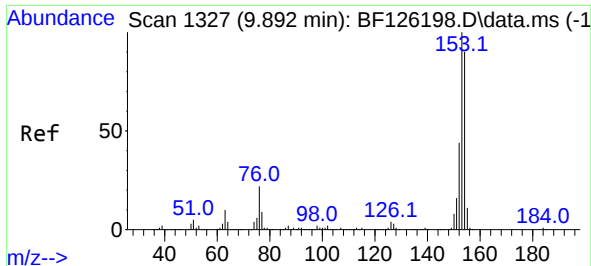


#45
2-Fluorobiphenyl
Concen: 63.245 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



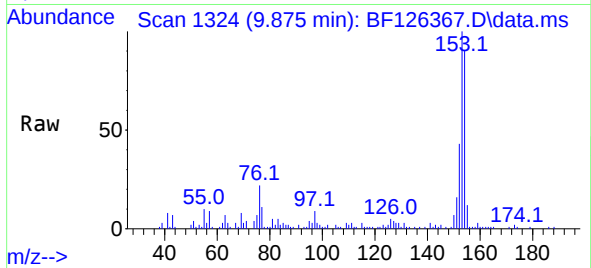
Tgt Ion:172 Resp: 606687
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 23.3 18.8 28.2





#52
Acenaphthene
Concen: 4.875 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

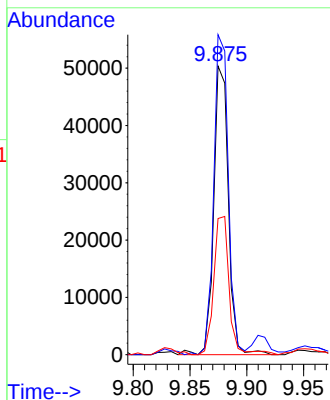
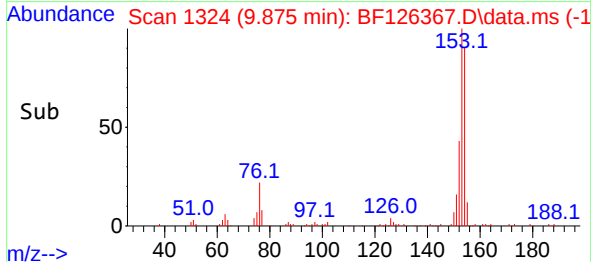
Instrument :
BNA_F
ClientSampleId :
PSC124042



Tgt Ion:154 Resp: 45210
Ion Ratio Lower Upper
154 100
153 110.9 89.4 134.2
152 47.2 40.5 60.7

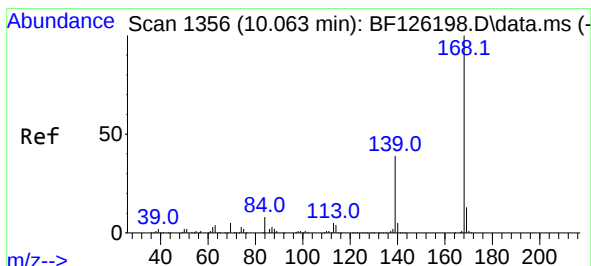
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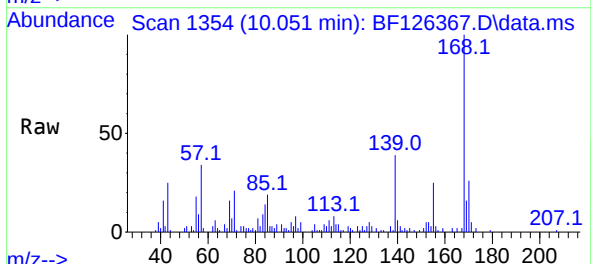


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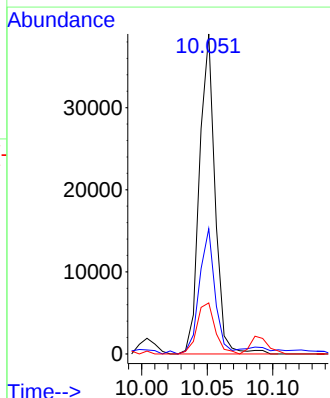
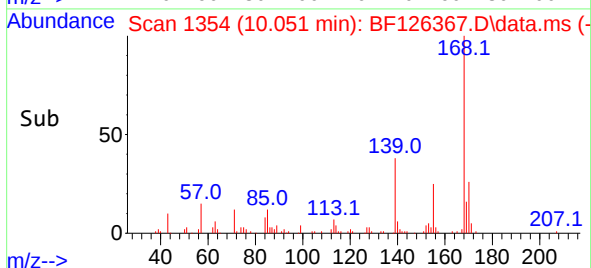
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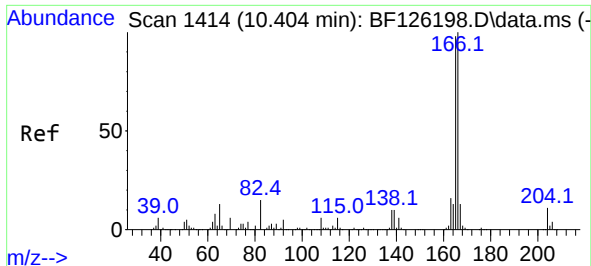


#55
Dibenzofuran
Concen: 2.560 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



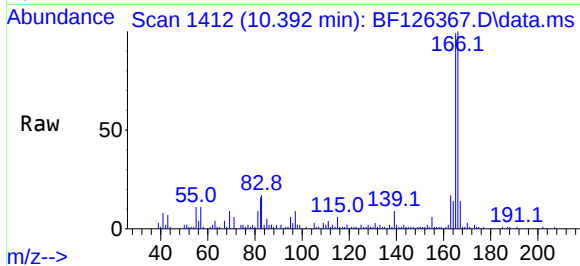
Tgt Ion:168 Resp: 32333
Ion Ratio Lower Upper
168 100
139 39.2 32.7 49.1
169 15.9 11.2 16.8





#58
Fluorene
Concen: 4.451 ng
RT: 10.392 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

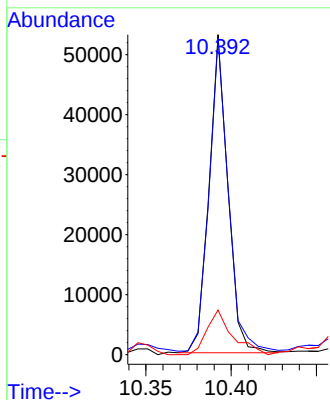
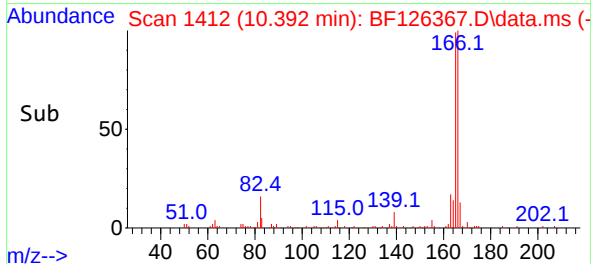
Instrument :
BNA_F
ClientSampleId :
PSC124042



Tgt Ion:166 Resp: 4069
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 14.0 11.1 16.7

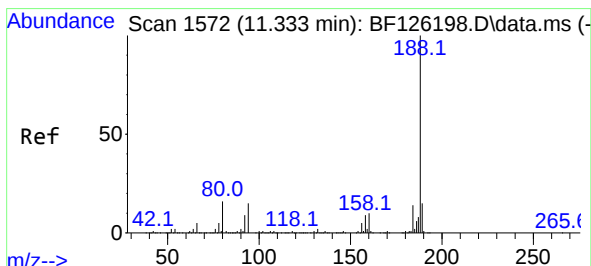
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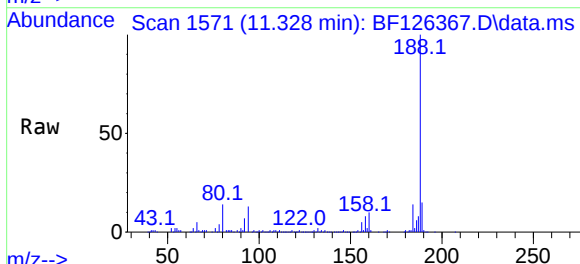


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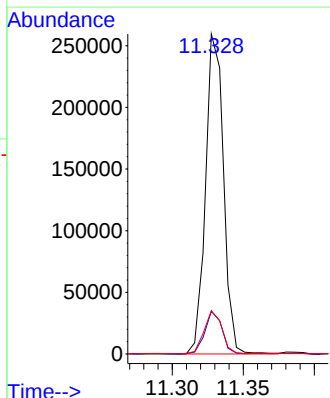
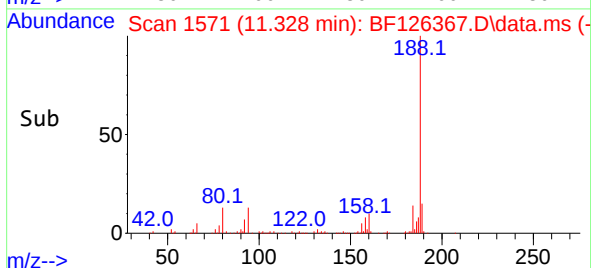
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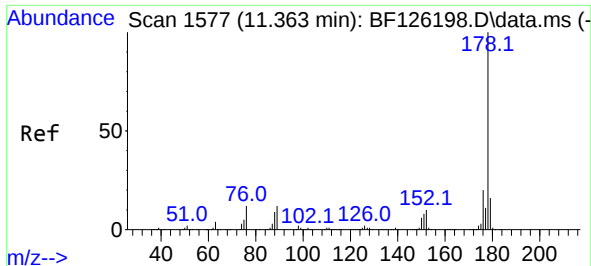


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



Tgt Ion:188 Resp: 228811
Ion Ratio Lower Upper
188 100
94 13.3 6.7 10.1#
80 13.5 7.5 11.3#





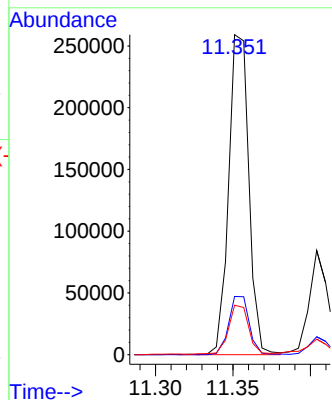
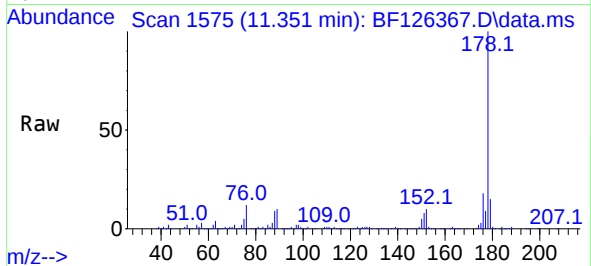
#71
Phenanthrene
Concen: 19.919 ng
RT: 11.351 min Scan# 11351
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :
BNA_F
ClientSampleId :
PSC124042

Tgt Ion:178 Resp: 23524
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.4 11.5 17.3

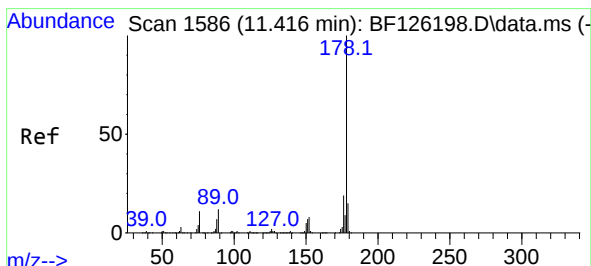
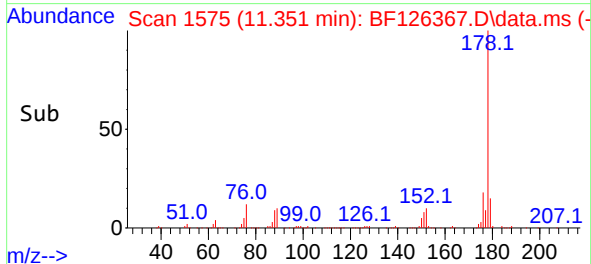
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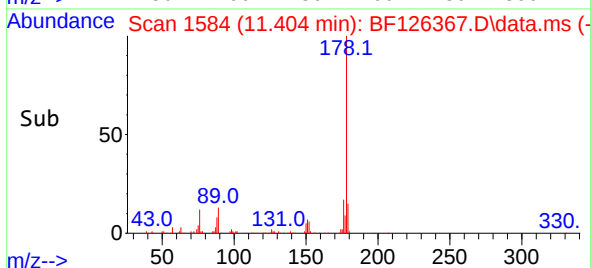
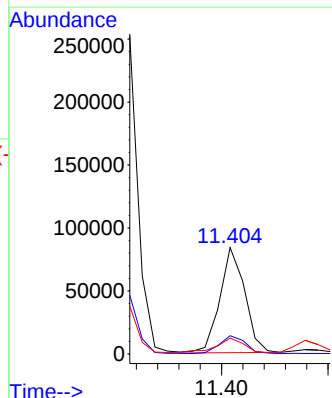
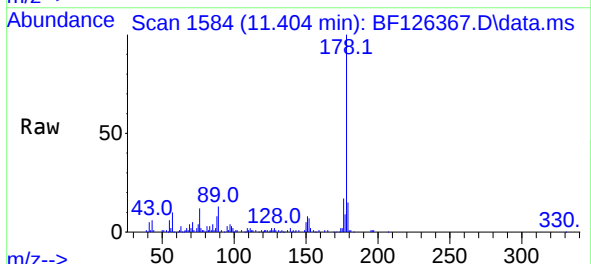
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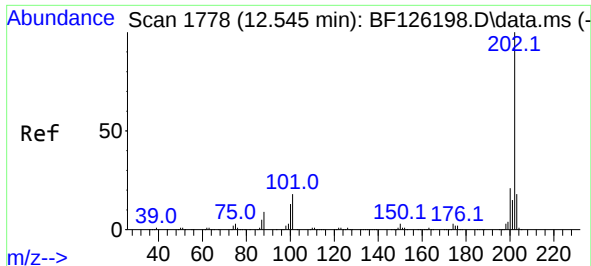
12/31/2021



#72
Anthracene
Concen: 5.748 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:178 Resp: 68136
Ion Ratio Lower Upper
178 100
176 17.2 14.3 21.5
179 14.9 12.2 18.4





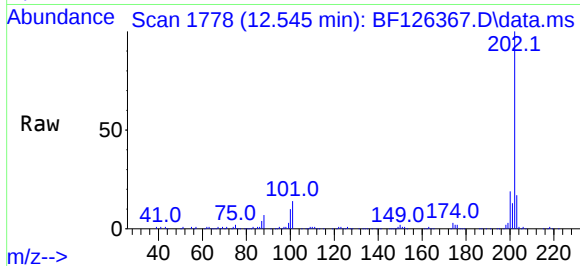
#75
Fluoranthene
Concen: 23.452 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

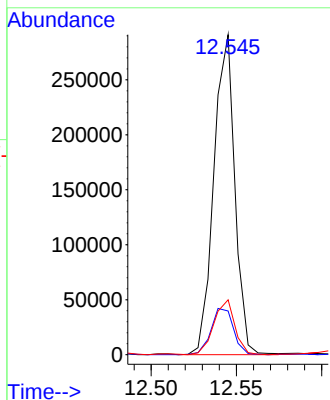
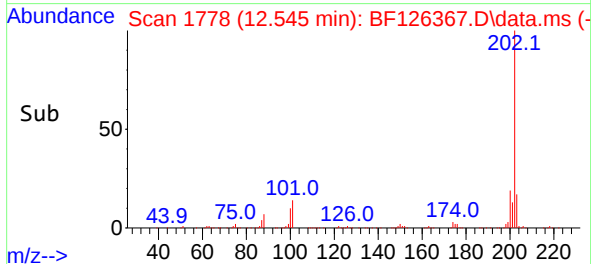


Tgt Ion:202 Resp: 249529
Ion Ratio Lower Upper
202 100
101 13.6 0.0 30.7
203 17.1 0.0 36.3

Manual Integrations

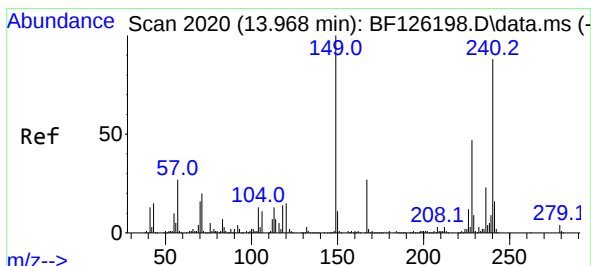
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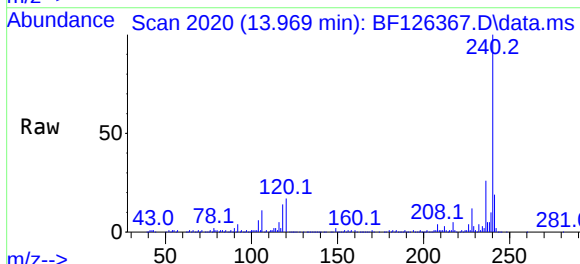


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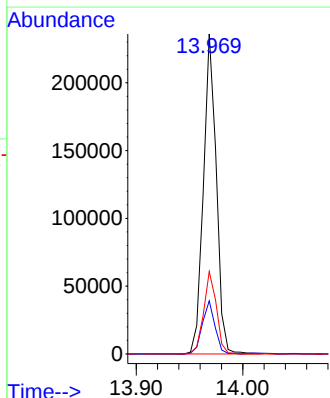
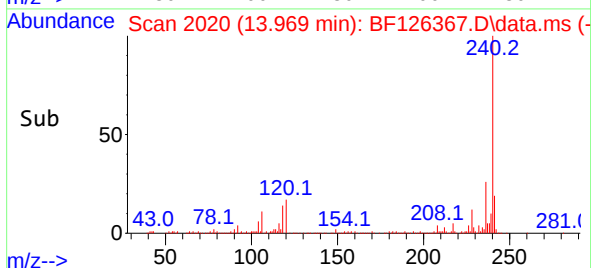
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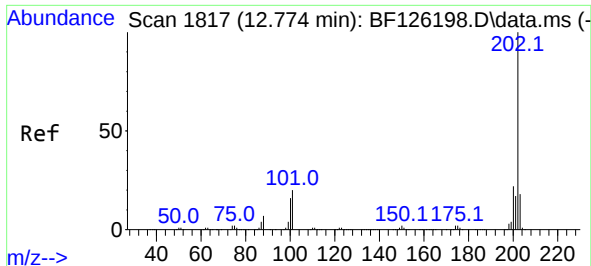


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



Tgt Ion:240 Resp: 199448
Ion Ratio Lower Upper
240 100
120 16.6 10.8 16.2#
236 25.7 21.6 32.4





#78
Pyrene
Concen: 11.418 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

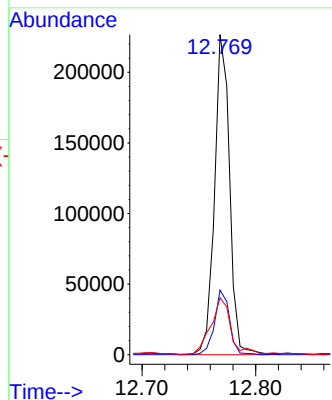
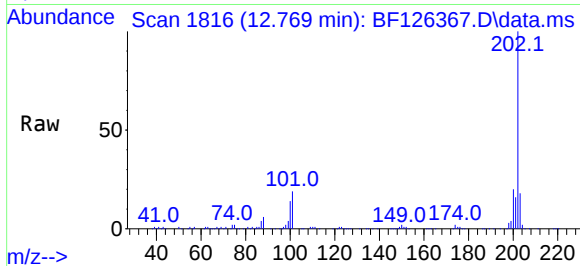
PSC124042

Tgt Ion:202 Resp: 209210
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 17.8 13.4 20.0

Manual Integrations

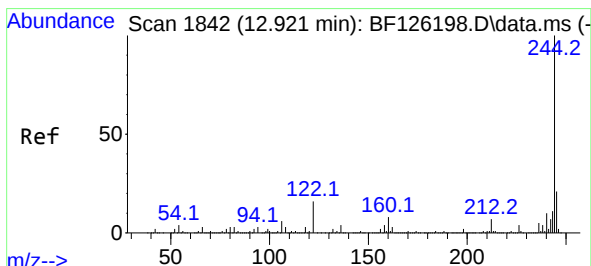
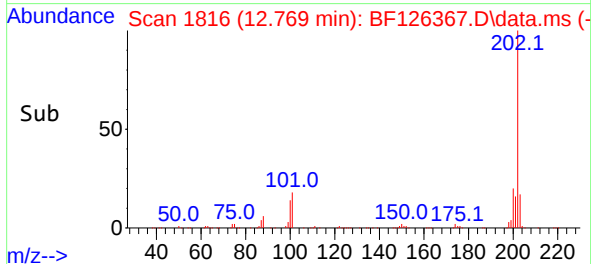
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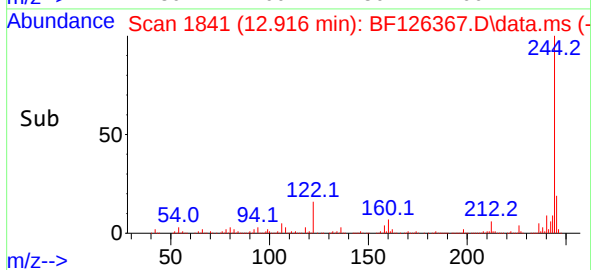
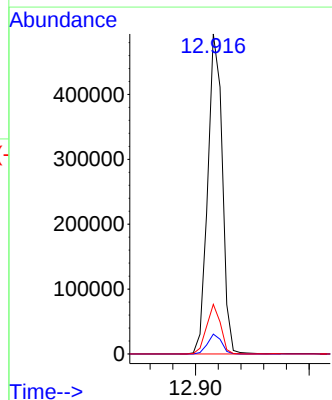
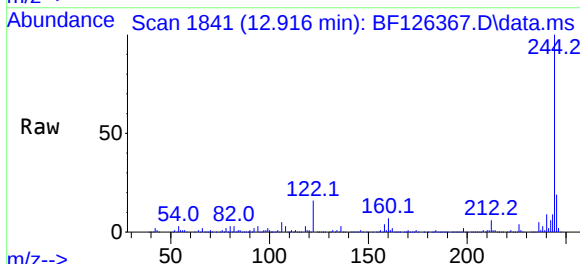
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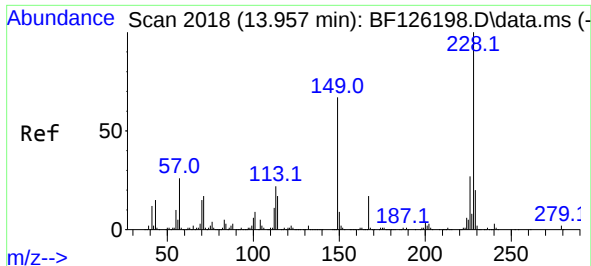
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#79
Terphenyl-d14
Concen: 38.196 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:244 Resp: 438292
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 15.5 9.0 13.4#





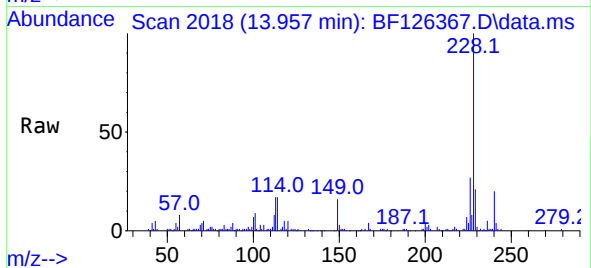
#81
Benzo(a)anthracene
Concen: 8.621 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

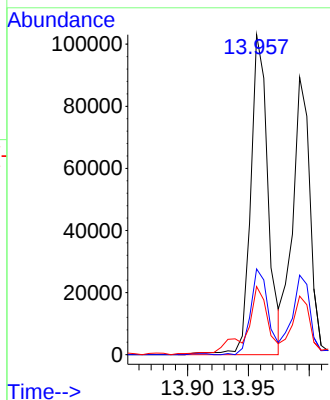
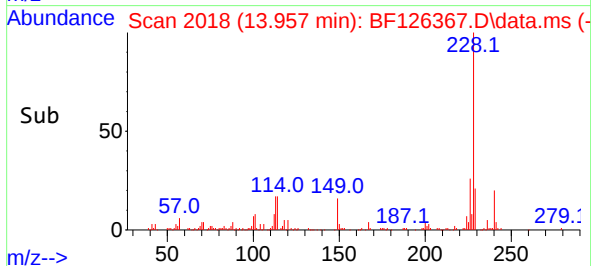


Tgt Ion:228 Resp: 101850
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 21.3 15.6 23.4

Manual Integrations

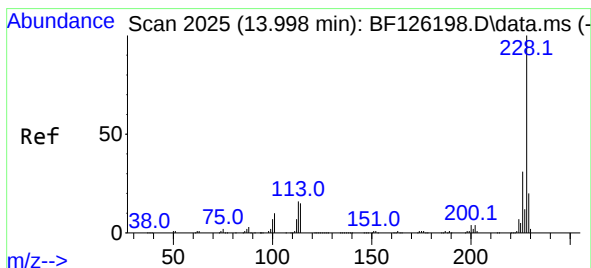
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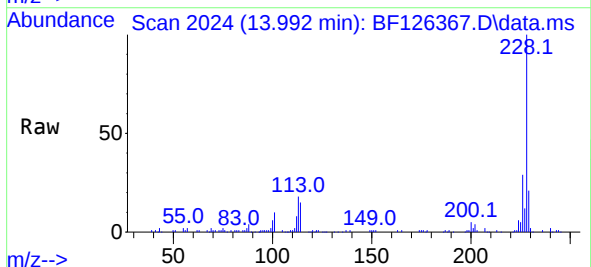


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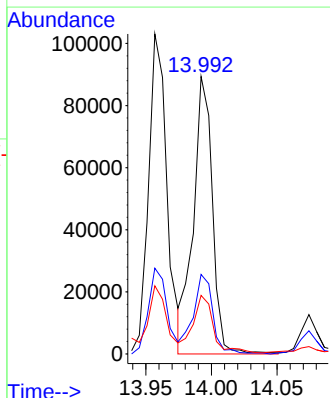
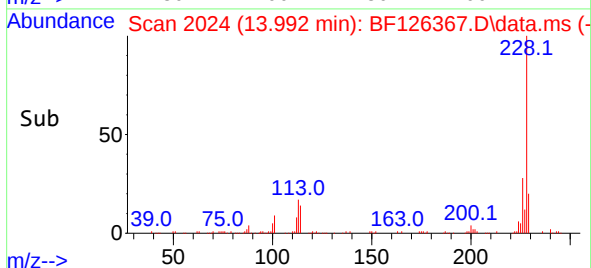
12/31/2021

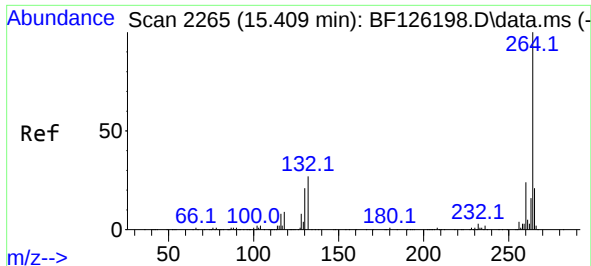


#83
Chrysene
Concen: 7.384 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



Tgt Ion:228 Resp: 90633
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 21.1 15.9 23.9





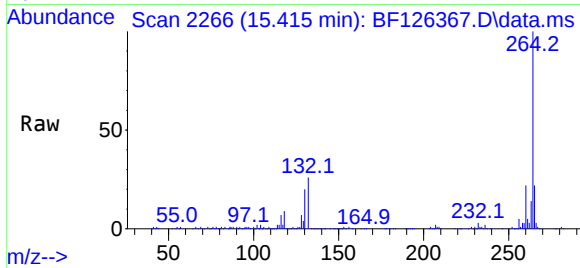
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

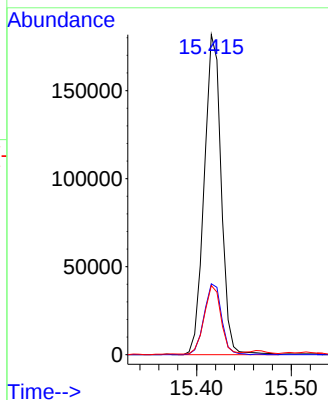
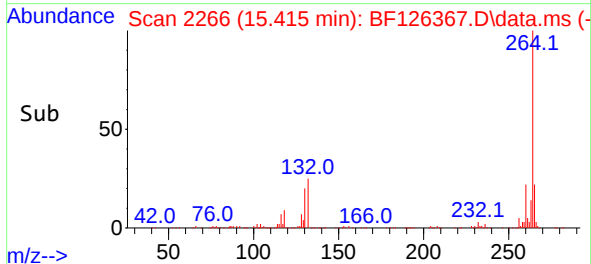


Tgt Ion:264 Resp: 226130
Ion Ratio Lower Upper
264 100
260 22.1 19.6 29.4
265 21.6 17.2 25.8

Manual Integrations

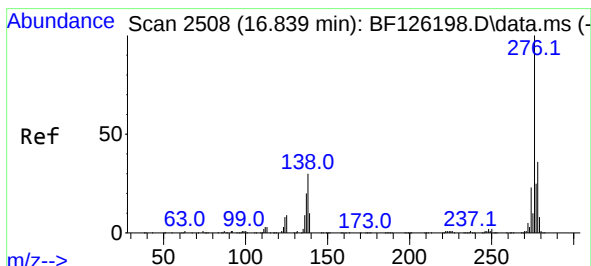
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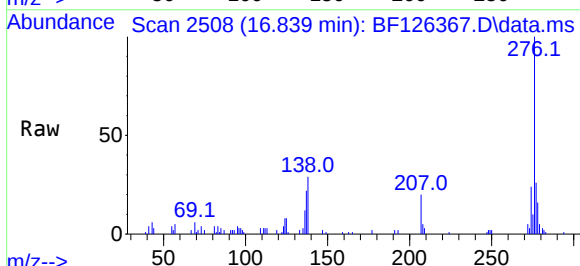


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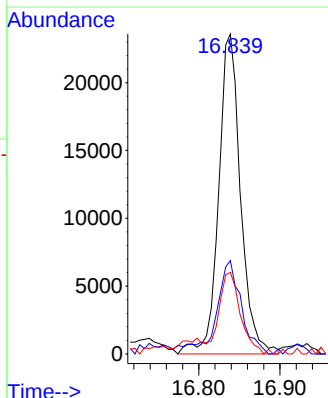
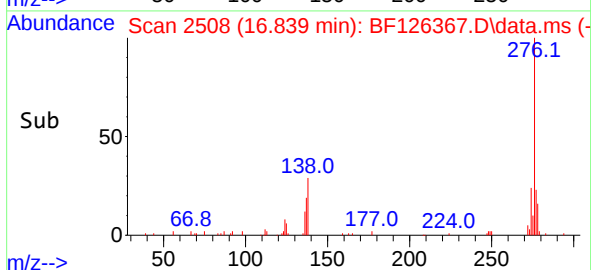
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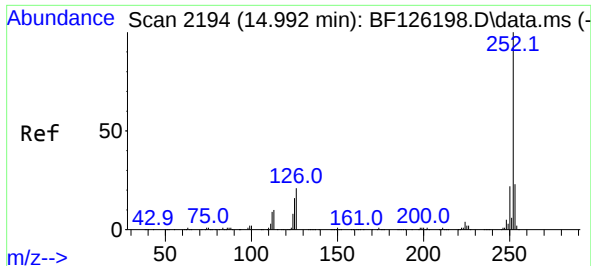


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.942 ng
RT: 16.839 min Scan# 2508
Delta R.T. -0.023 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12



Tgt Ion:276 Resp: 44370
Ion Ratio Lower Upper
276 100
138 33.6 24.1 36.1
277 25.5 18.8 28.2





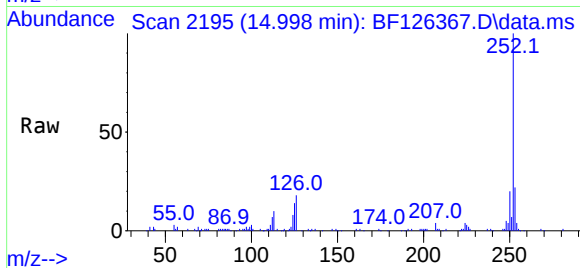
#88
Benzo(b)fluoranthene
Concen: 8.702 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

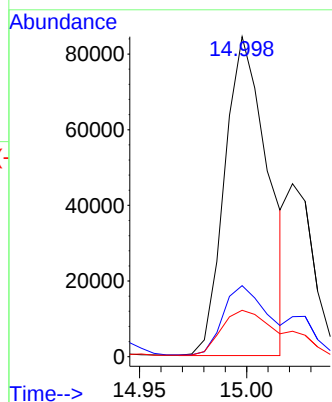
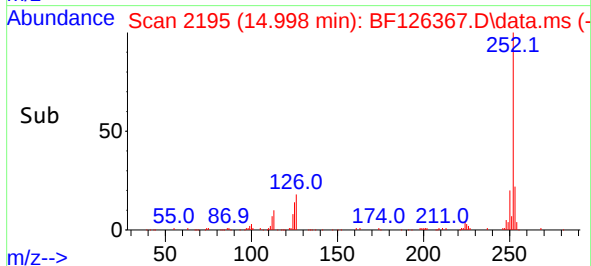


Tgt Ion:252 Resp: 118239
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 14.5 9.8 14.8

Manual Integrations

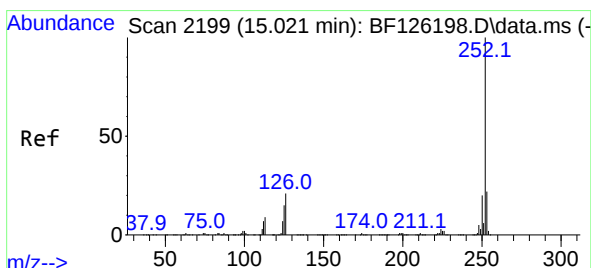
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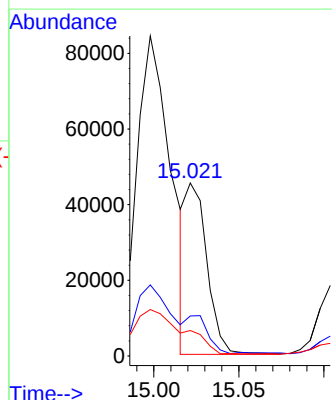
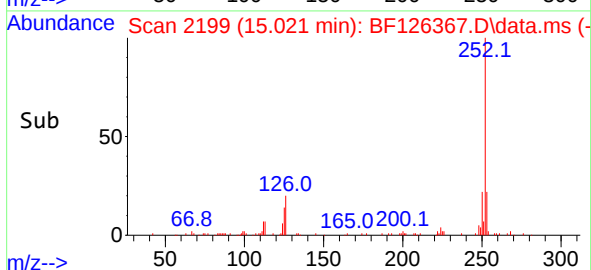
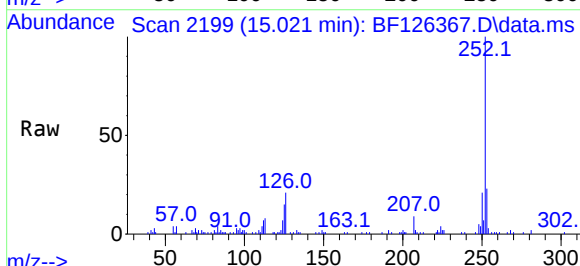
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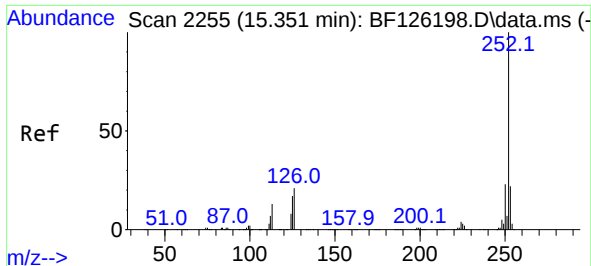
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#89
Benzo(k)fluoranthene
Concen: 2.989 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:252 Resp: 38856
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 14.8 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 7.784 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

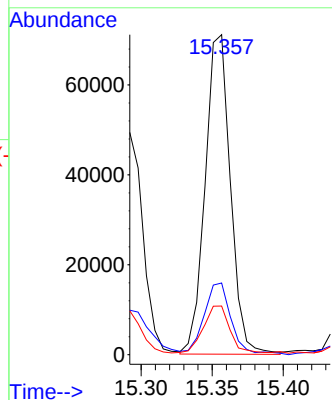
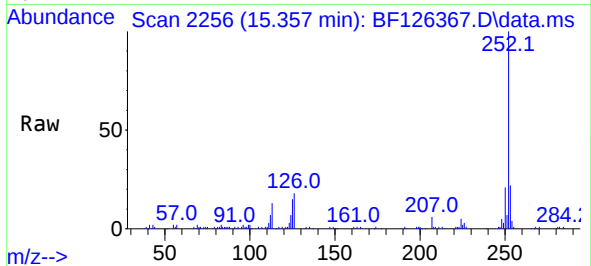
PSC124042

Tgt Ion:252 Resp: 8790
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 15.2 9.9 14.9

Manual Integrations

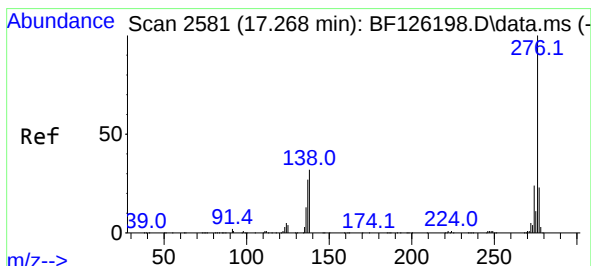
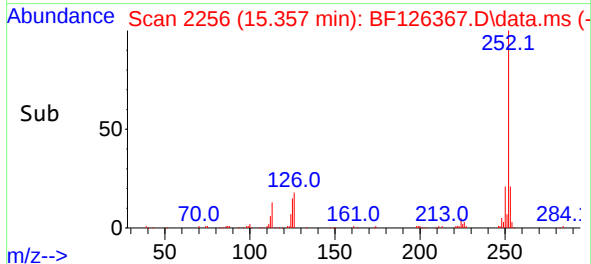
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ahmed

12/31/2021



#92
Benzo(g,h,i)perylene
Concen: 3.050 ng
RT: 17.268 min Scan# 2581
Delta R.T. -0.029 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:276 Resp: 38688
Ion Ratio Lower Upper
276 100
277 23.0 22.0 33.0
138 30.9 22.2 33.4

