

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126055.D
 Acq On : 4 Nov 2021 20:11
 Operator : JU/CG
 Sample : M4501-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/08/2021
 Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 08 09:52:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	147405	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	467704	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	230579	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	399230	20.000	ng	0.00
76) Chrysene-d12	14.010	240	379378	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	279727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	141511	16.486	ng	0.00
7) Phenol-d6	6.469	99	178922	14.787	ng	-0.02
23) Nitrobenzene-d5	7.410	82	121968	12.298	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	40463	15.313	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	226547	13.277	ng	0.00
79) Terphenyl-d14	12.951	244	245580	10.438	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	133885	6.184	ng	97
75) Fluoranthene	12.580	202	398595	16.533	ng	95
78) Pyrene	12.810	202	391861	12.880	ng	97
81) Benzo(a)anthracene	13.998	228	210538	8.078	ng	97
83) Chrysene	14.033	228	168171	6.935	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	107381	6.486	ng	# 83
88) Benzo(b)fluoranthene	15.045	252	217050m	11.929	ng	
89) Benzo(k)fluoranthene	15.074	252	73055m	4.139	ng	
90) Benzo(a)pyrene	15.410	252	160227m	11.178	ng	
92) Benzo(g,h,i)perylene	17.362	276	113651	8.714	ng	# 83

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

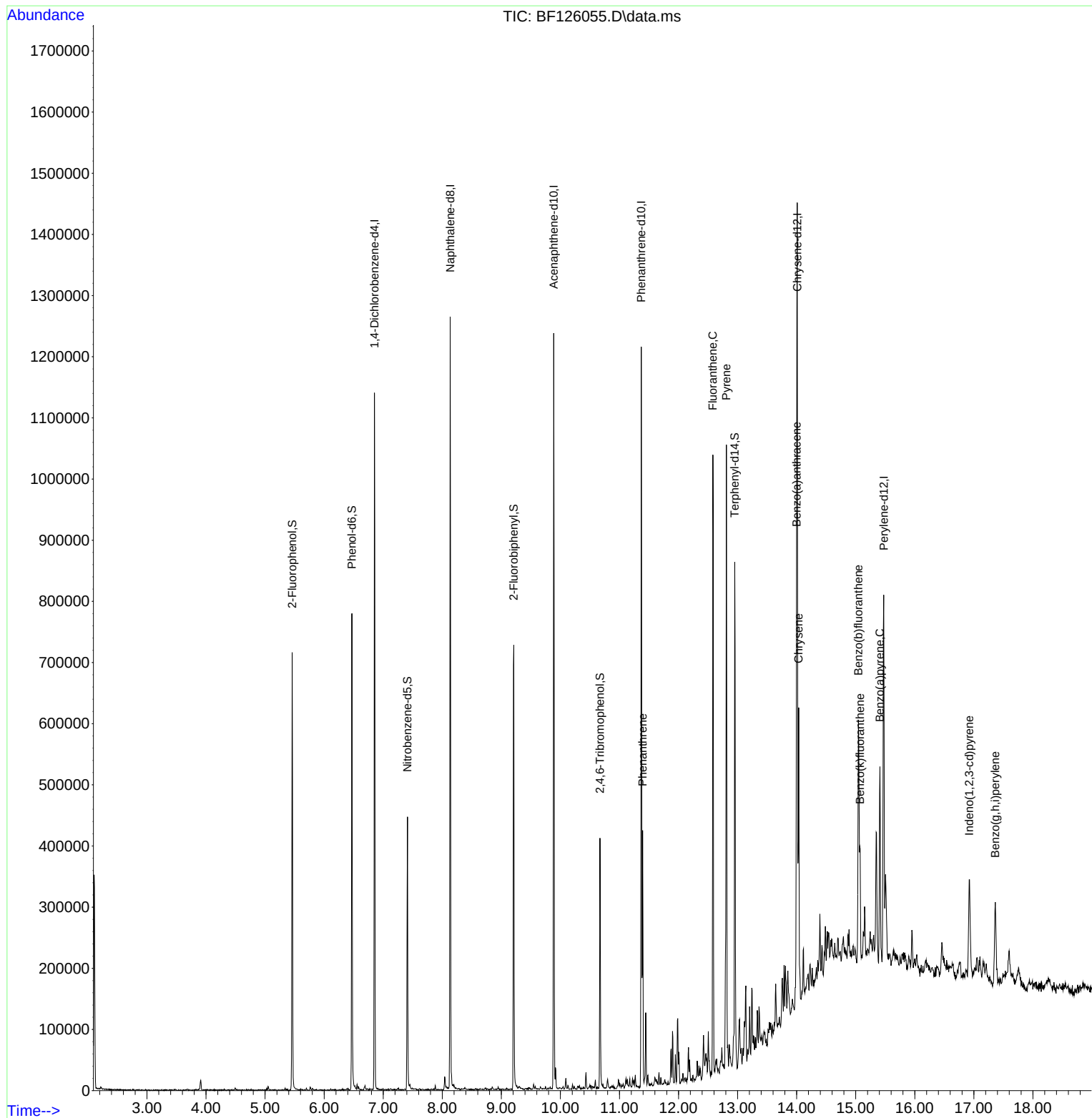
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
Data File : BF126055.D
Acq On : 4 Nov 2021 20:11
Operator : JU/CG
Sample : M4501-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

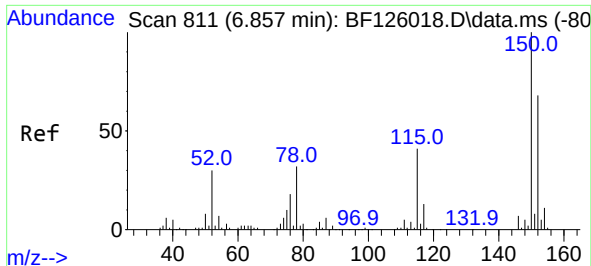
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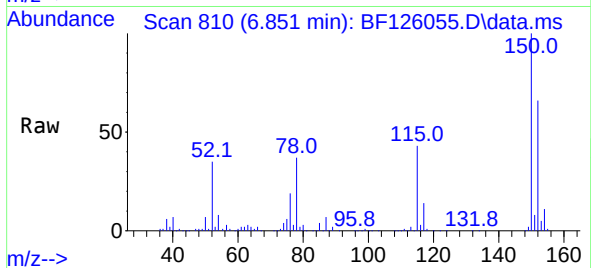
Quant Time: Nov 08 09:52:01 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

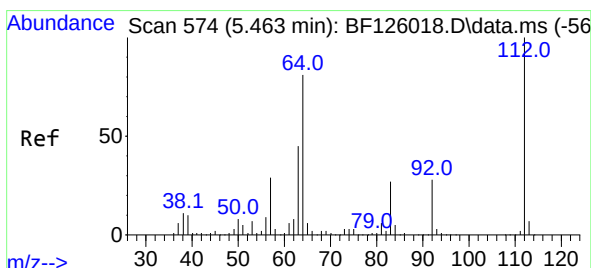
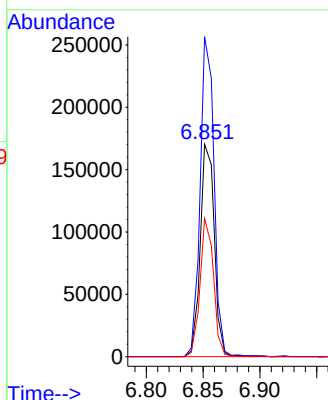
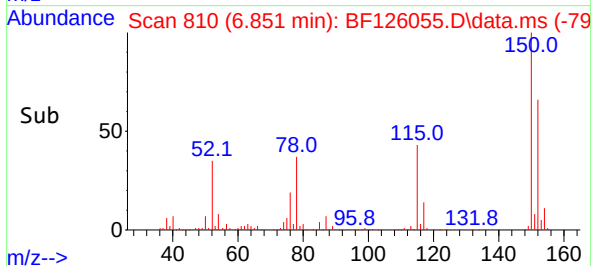
Instrument :
BNA_F
ClientSampleId :
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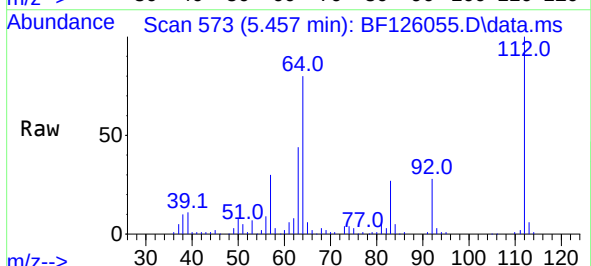
Tgt Ion:152 Resp: 147405
Ion Ratio Lower Upper
152 100
150 150.6 117.6 176.4
115 65.1 47.1 70.7

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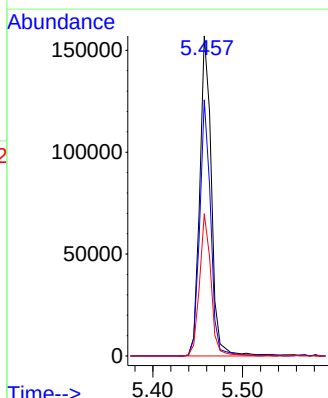
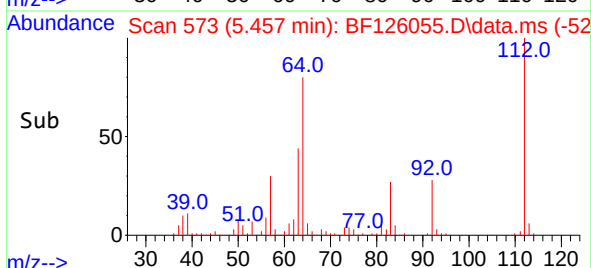
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

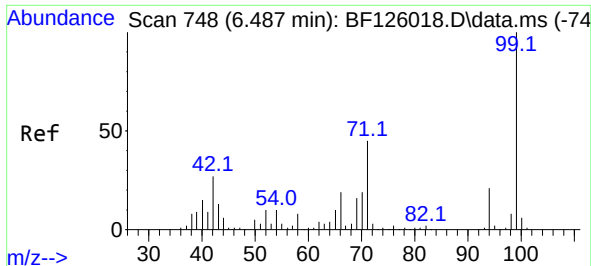


#5
2-Fluorophenol
Concen: 16.486 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



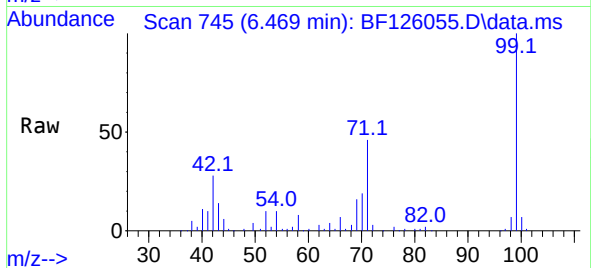
Tgt Ion:112 Resp: 141511
Ion Ratio Lower Upper
112 100
64 80.0 44.2 66.2#
63 44.5 26.2 39.2#





#7
Phenol-d6
Concen: 14.787 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

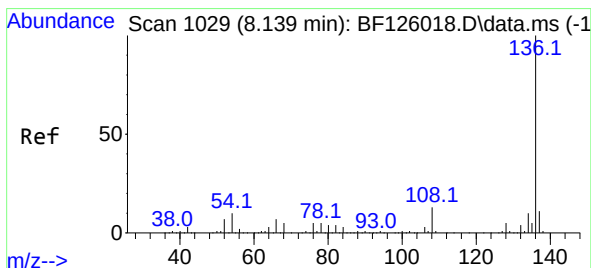
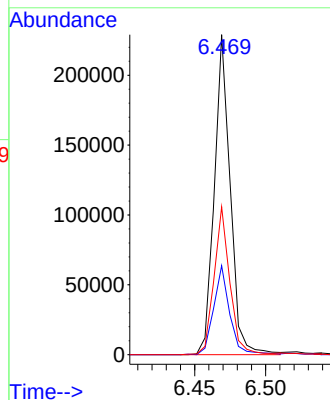
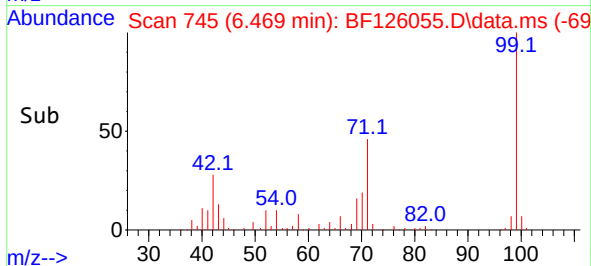
Instrument :
BNA_F
ClientSampleId :
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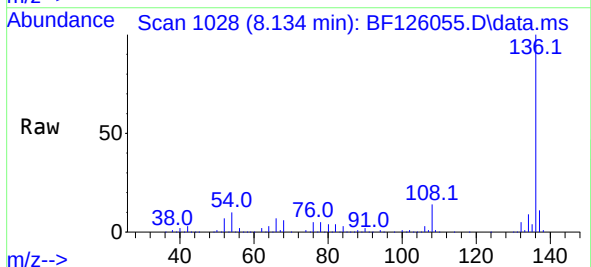
Tgt Ion: 99 Resp: 17892
Ion Ratio Lower Upper
99 100
42 27.8 23.5 35.3
71 46.2 25.6 38.4

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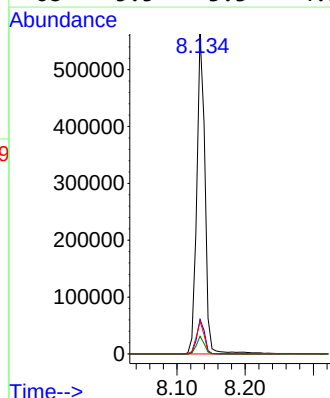
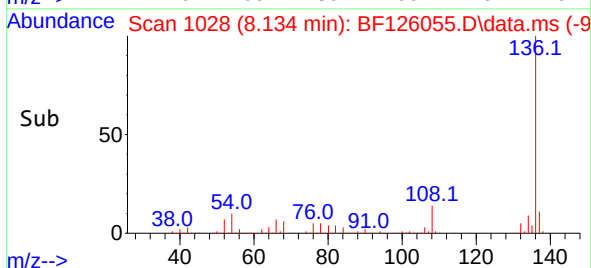
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

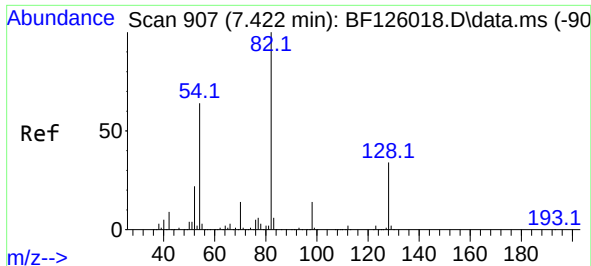


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



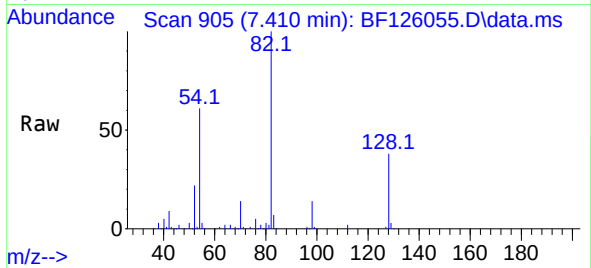
Tgt Ion:136 Resp: 467704
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 10.2 6.4 9.6#
68 5.5 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 12.298 ng
RT: 7.410 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

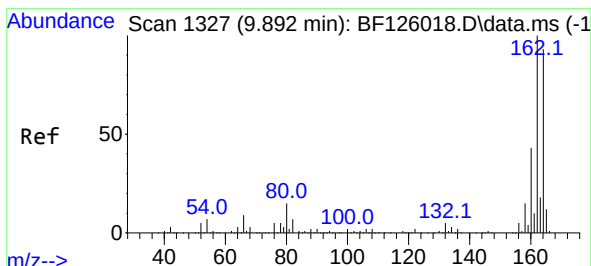
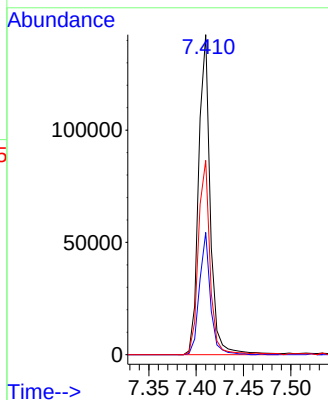
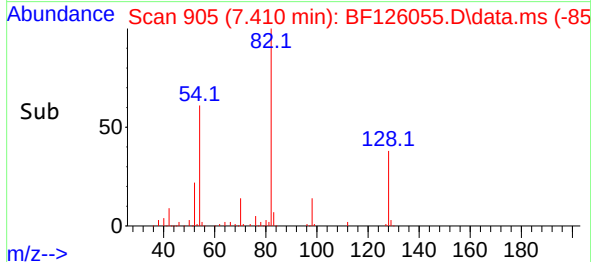
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 121968
Ion Ratio Lower Upper
82 100
128 38.2 40.6 60.8
54 60.7 49.6 74.4

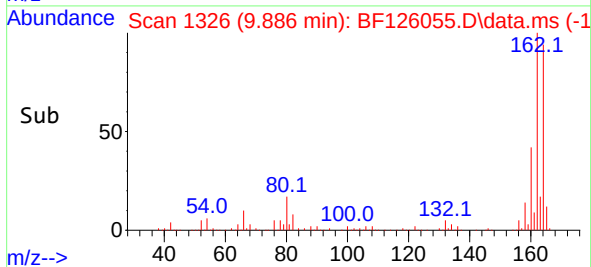
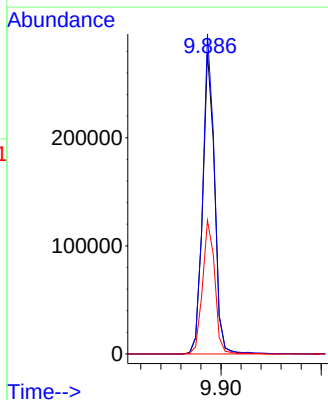
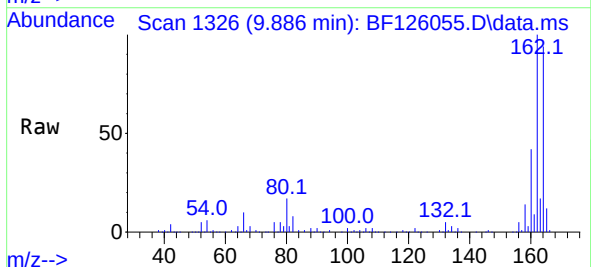
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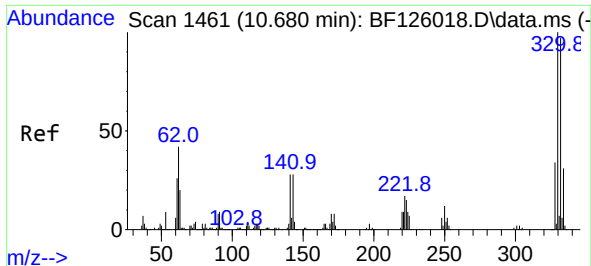
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

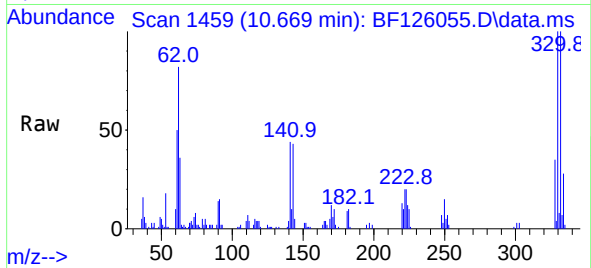
Tgt Ion:164 Resp: 230579
Ion Ratio Lower Upper
164 100
162 106.2 81.3 121.9
160 44.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 15.313 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

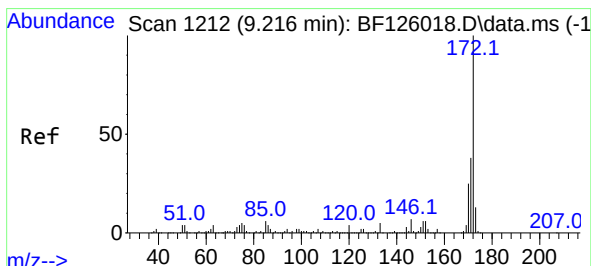
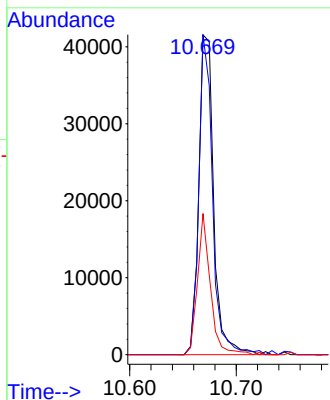
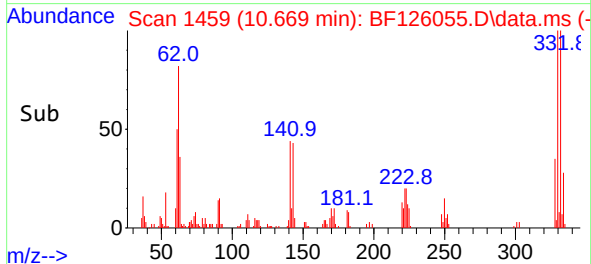
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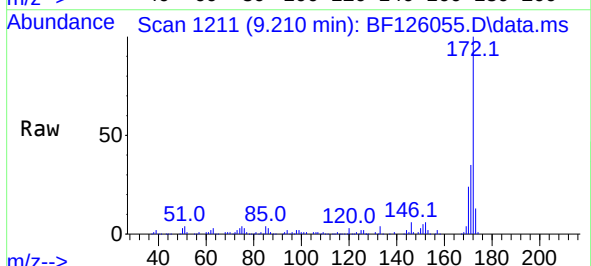
Tgt Ion:330 Resp: 4046
Ion Ratio Lower Upper
330 100
332 93.1 76.2 114.4
141 38.5 44.6 66.8

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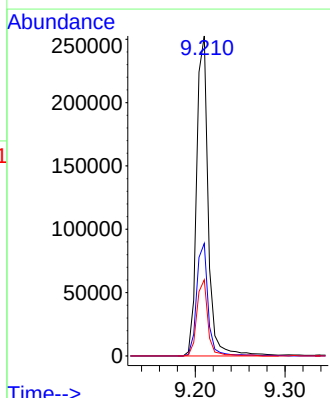
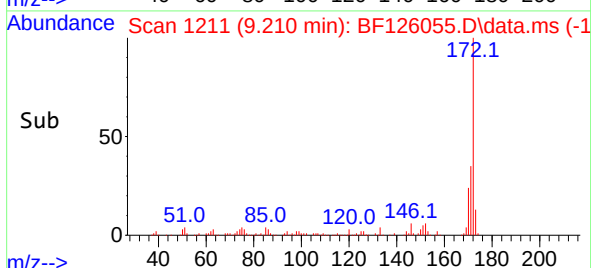
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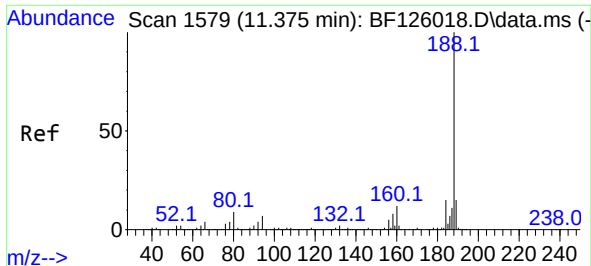


#45
2-Fluorobiphenyl
Concen: 13.277 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



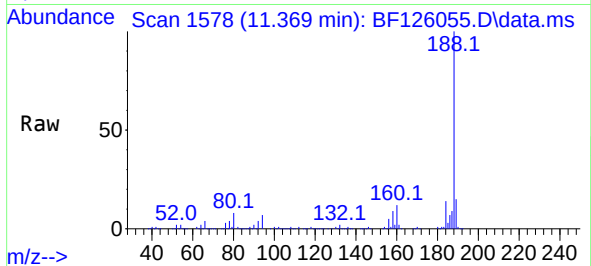
Tgt Ion:172 Resp: 226547
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.8 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

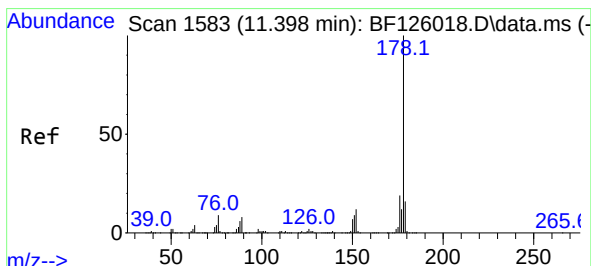
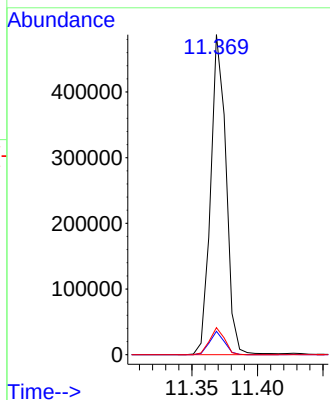
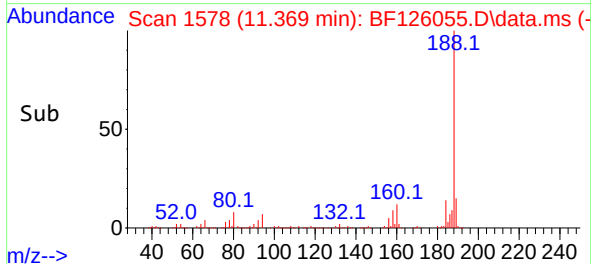
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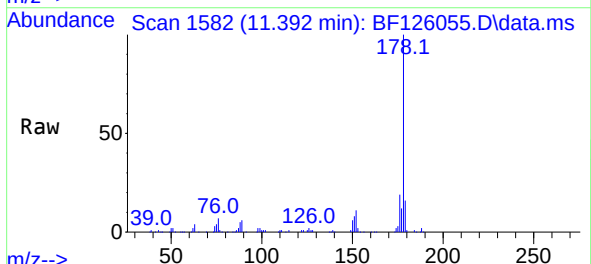
Tgt Ion:188 Resp: 399230
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 8.5 7.5 11.3

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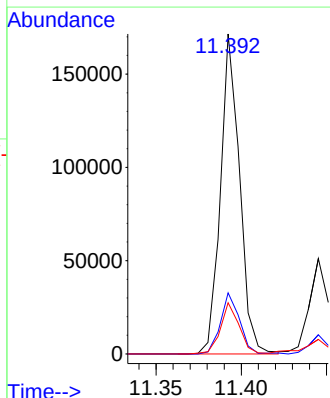
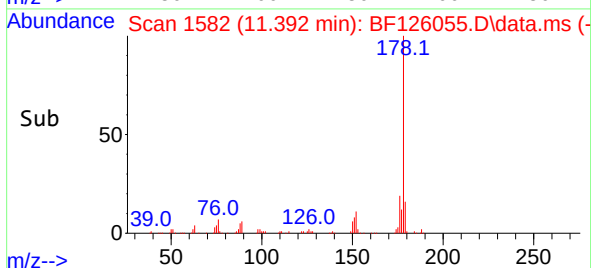
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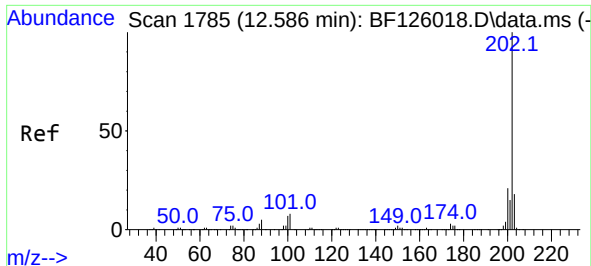


#71
Phenanthrene
Concen: 6.184 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



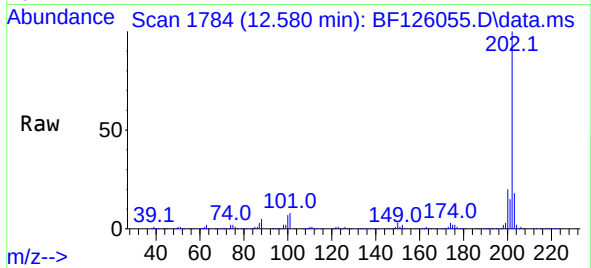
Tgt Ion:178 Resp: 133885
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 16.0 11.5 17.3





#75
Fluoranthene
Concen: 16.533 ng
RT: 12.580 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

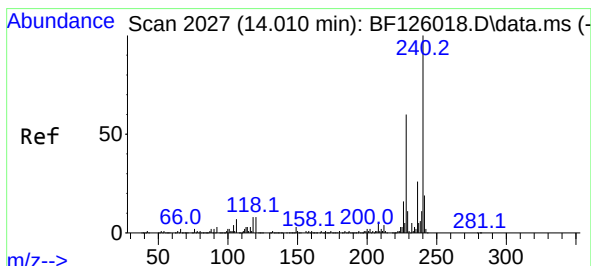
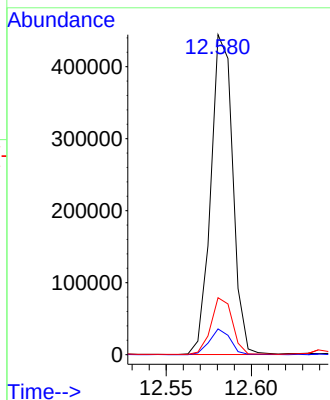
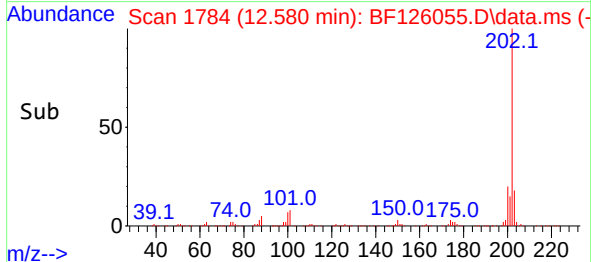
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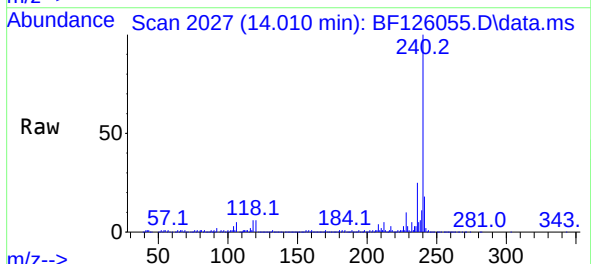
Tgt Ion:202 Resp: 398598
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.7
203 17.8 0.0 36.3

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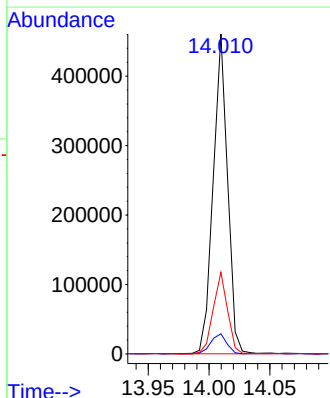
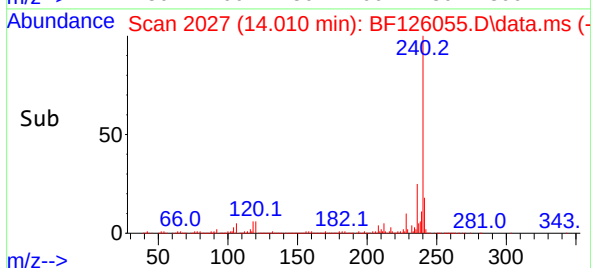
Reviewed By :Jagrut Upadhyay 11/08/2021
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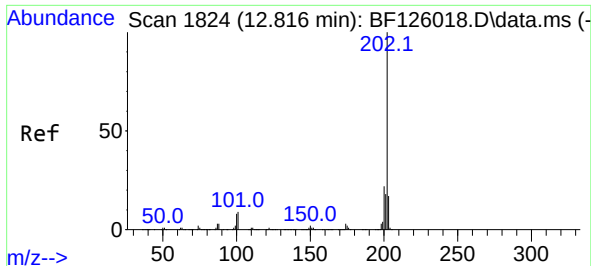


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



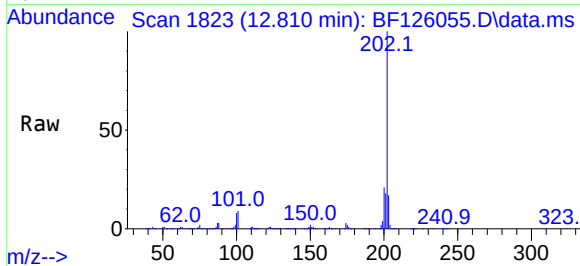
Tgt Ion:240 Resp: 379378
Ion Ratio Lower Upper
240 100
120 6.3 10.8 16.2#
236 25.5 21.6 32.4





#78
Pyrene
Concen: 12.880 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

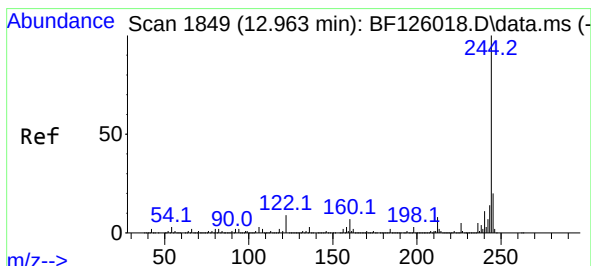
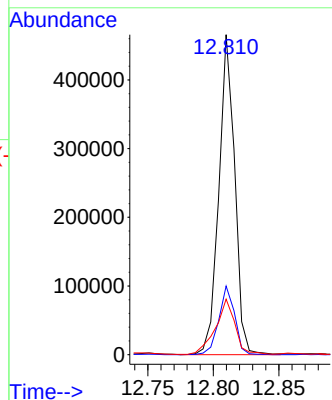
Instrument :
BNA_F
ClientSampleId :
72-11929



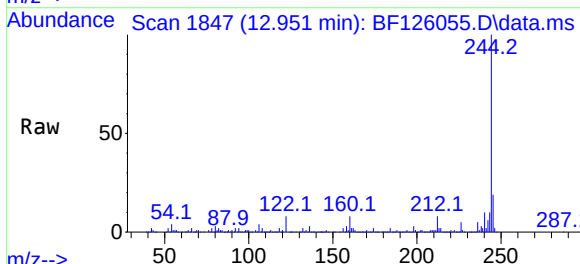
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Ion Ratio Lower Upper
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200 21.5 15.3 22.9
203 17.4 13.4 20.0

Manual Integrations
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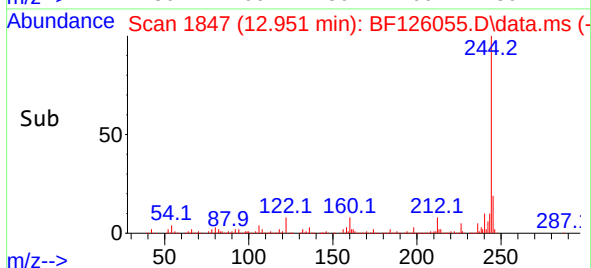
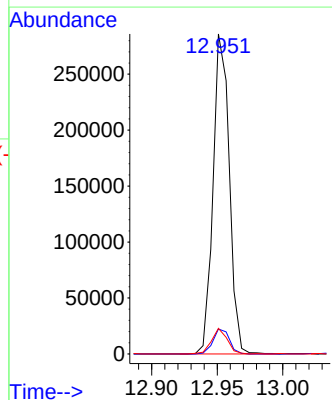
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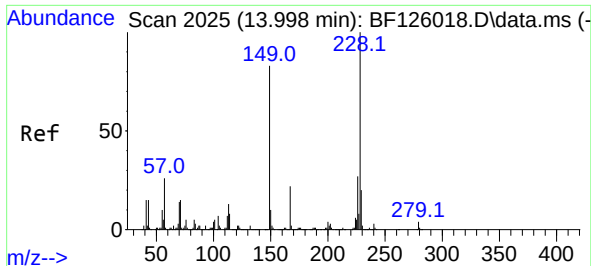


#79
Terphenyl-d14
Concen: 10.438 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



Tgt Ion:244 Resp: 245580
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 8.0 9.0 13.4





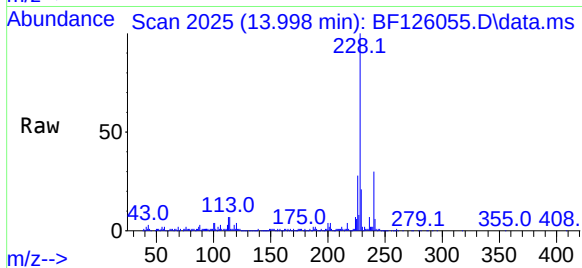
#81
Benzo(a)anthracene
Concen: 8.078 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Instrument :

BNA_F

ClientSampleId :

72-11929

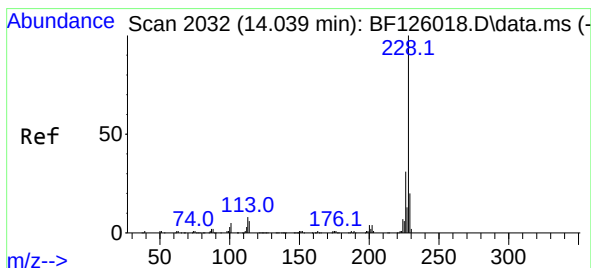
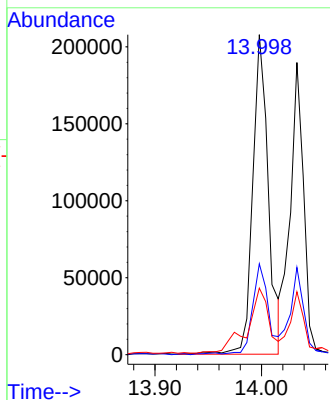
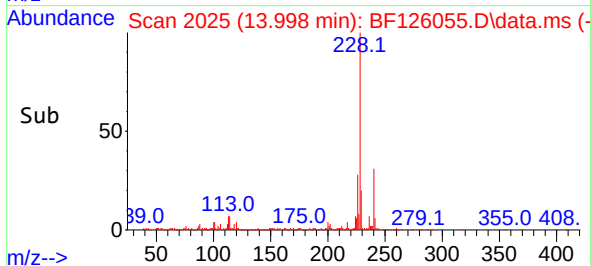


Tgt Ion:228 Resp: 210538
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 20.8 15.6 23.4

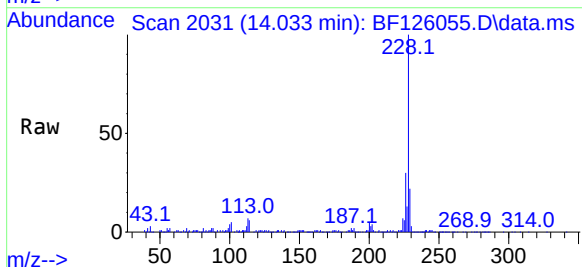
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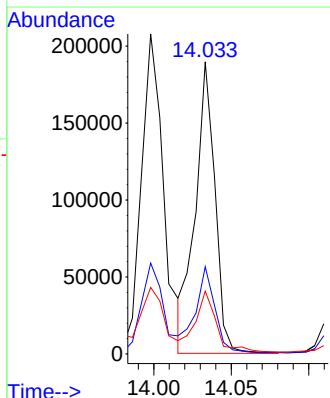
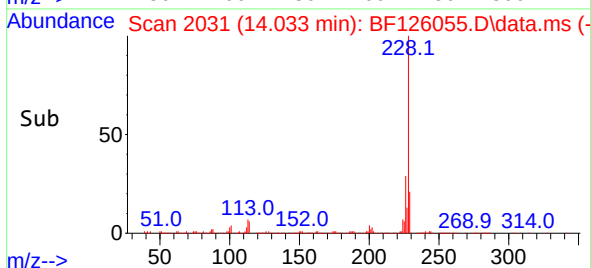
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

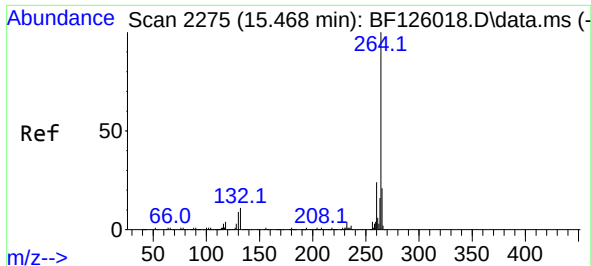


#83
Chrysene
Concen: 6.935 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



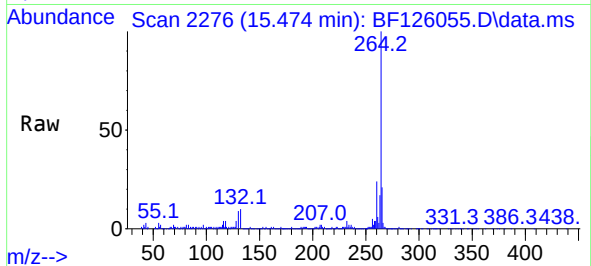
Tgt Ion:228 Resp: 168171
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.5 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

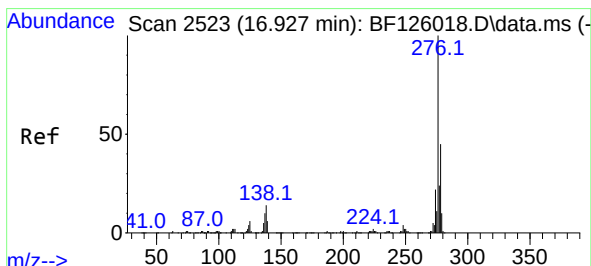
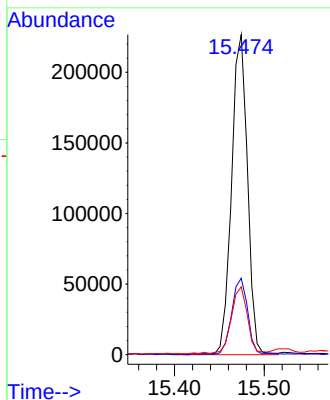
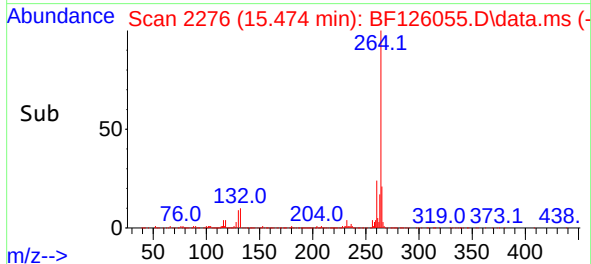
Instrument :
BNA_F
ClientSampleId :
72-11929



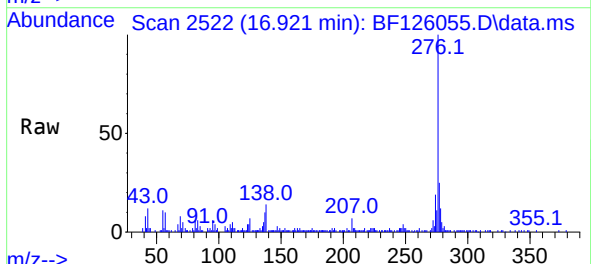
Tgt Ion:264 Resp: 27972
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.2 17.2 25.8

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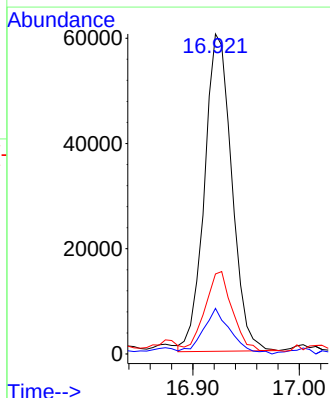
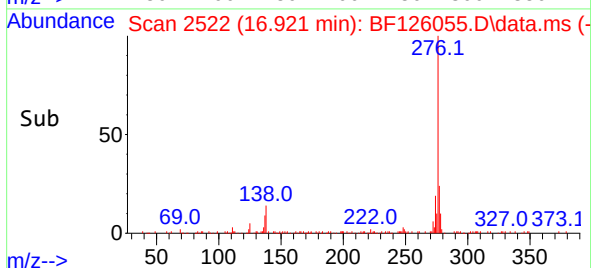
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

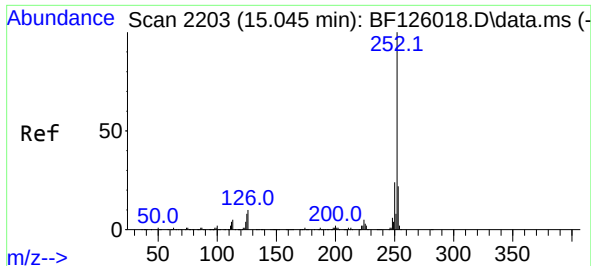


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.486 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



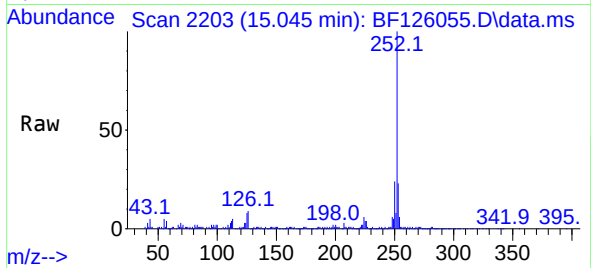
Tgt Ion:276 Resp: 107381
Ion Ratio Lower Upper
276 100
138 14.5 24.1 36.1#
277 24.7 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 11.929 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

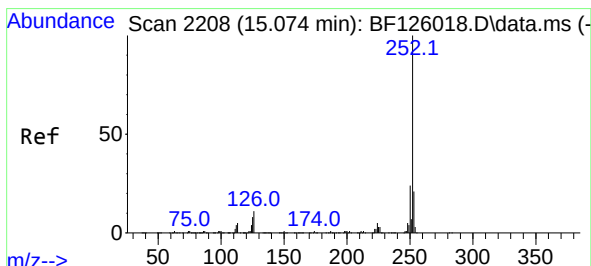
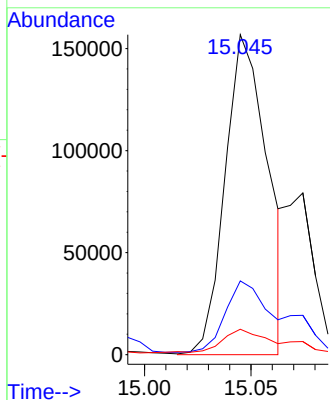
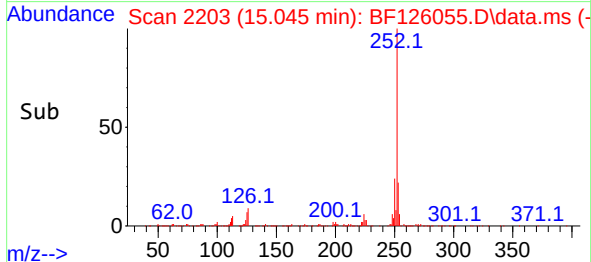
Instrument :
BNA_F
ClientSampleId :
72-11929



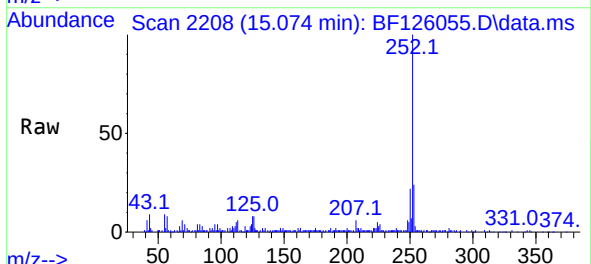
Tgt Ion:252 Resp: 217050
Ion Ratio Lower Upper
252 100
253 23.1 16.8 25.2
125 8.0 9.8 14.8

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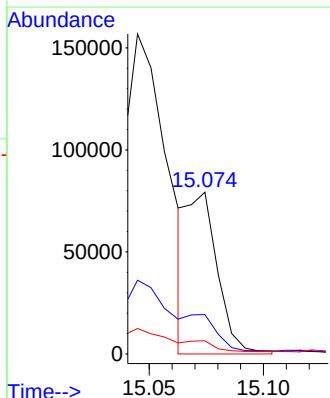
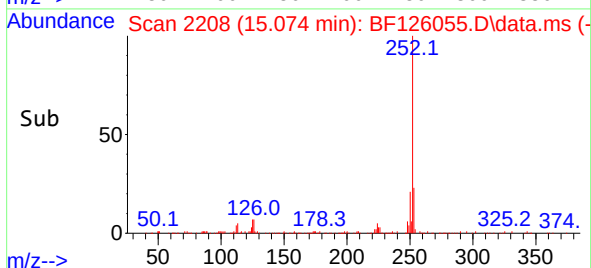
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

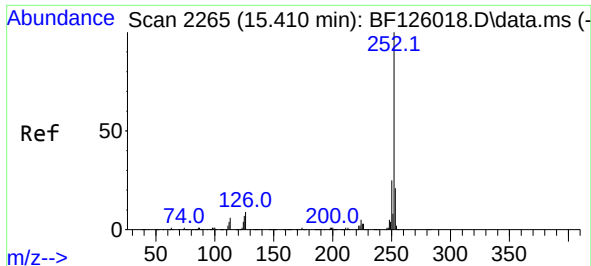


#89
Benzo(k)fluoranthene
Concen: 4.139 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11



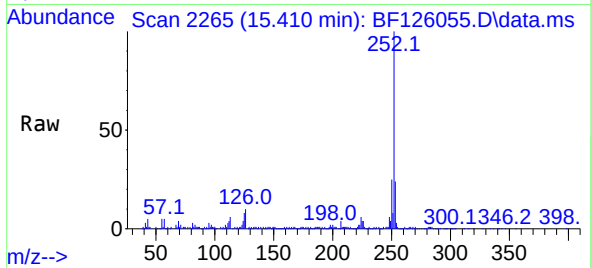
Tgt Ion:252 Resp: 73055
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 8.1 7.2 10.8





#90
Benzo(a)pyrene
Concen: 11.178 ng m
RT: 15.410 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

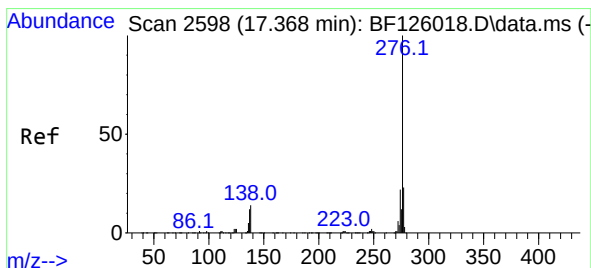
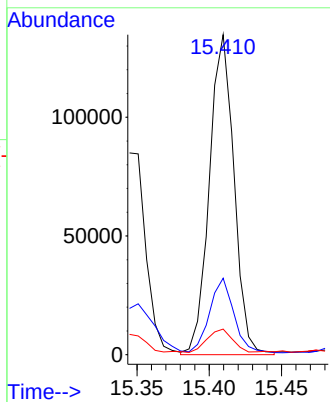
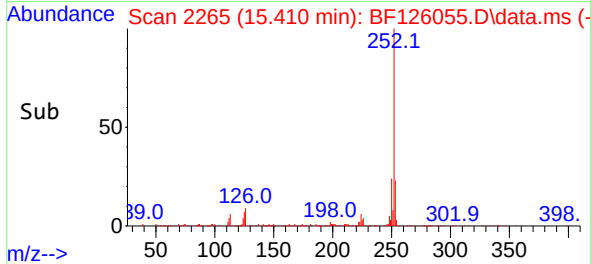
Instrument :
BNA_F
ClientSampleId :
72-11929



Tgt Ion:252 Resp: 16022
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 8.0 9.9 14.9

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Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#92
Benzo(g,h,i)perylene
Concen: 8.714 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.006 min
Lab File: BF126055.D
Acq: 4 Nov 2021 20:11

Tgt Ion:276 Resp: 113651
Ion Ratio Lower Upper
276 100
277 23.0 22.0 33.0
138 14.8 22.2 33.4

