

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126116.D
 Acq On : 10 Nov 2021 19:53
 Operator : JU/CG
 Sample : M4601-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AS-RO-COMP

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 09:32:06 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	6.857	152	159365	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	531936	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	276287	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	468636	20.000	ng	0.00
76) Chrysene-d12	14.010	240	376874	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	312726	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	948935	102.255	ng	0.01
7) Phenol-d6	6.487	99	1174081	89.749	ng	0.00
23) Nitrobenzene-d5	7.416	82	827885	73.399	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	303460	95.842	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1472389	72.017	ng	0.00
79) Terphenyl-d14	12.963	244	1428709	61.131	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	101916	4.010	ng	97
75) Fluoranthene	12.586	202	236369	8.352	ng	94
78) Pyrene	12.816	202	186778	6.180	ng	98
81) Benzo(a)anthracene	14.004	228	97875	3.780	ng	98
83) Chrysene	14.039	228	104211	4.326	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	52174	2.819	ng	# 84
88) Benzo(b)fluoranthene	15.051	252	126332m	6.211	ng	
89) Benzo(k)fluoranthene	15.080	252	46008m	2.332	ng	
90) Benzo(a)pyrene	15.415	252	78828	4.919	ng	94
92) Benzo(g,h,i)perylene	17.380	276	52814	3.622	ng	# 84

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

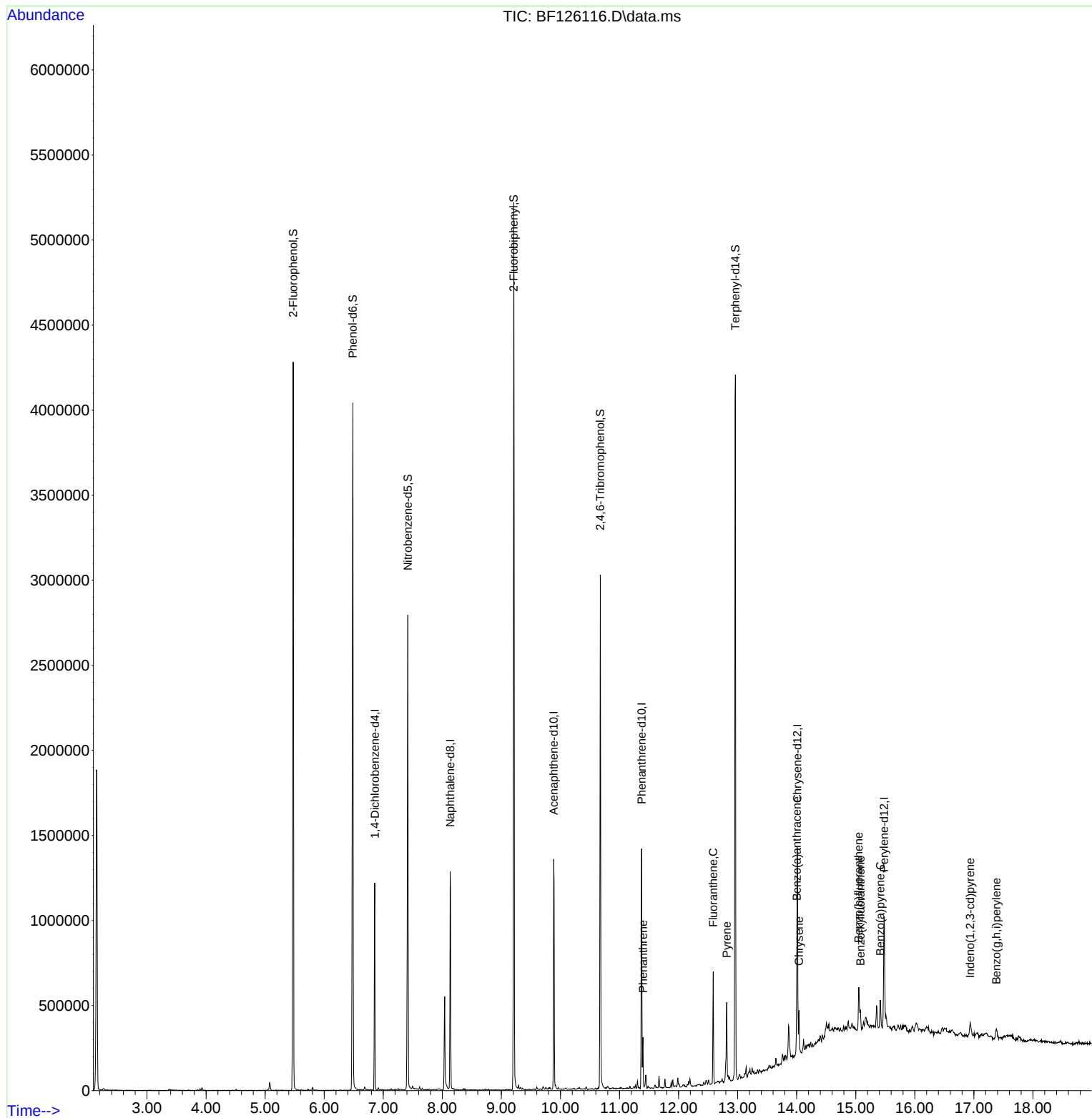
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126116.D
Acq On : 10 Nov 2021 19:53
Operator : JU/CG
Sample : M4601-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

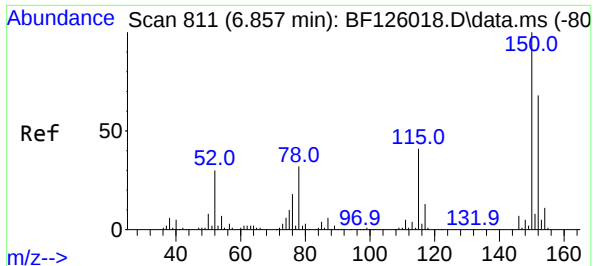
Instrument :
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Quant Time: Nov 11 09:32:06 2021
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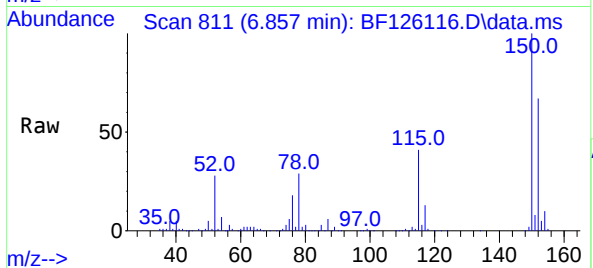
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

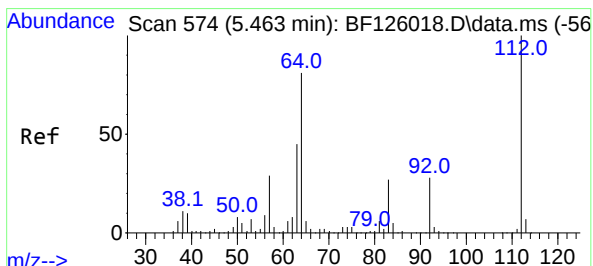
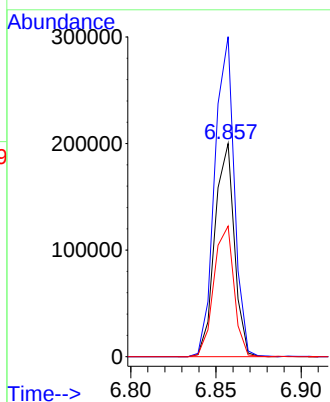
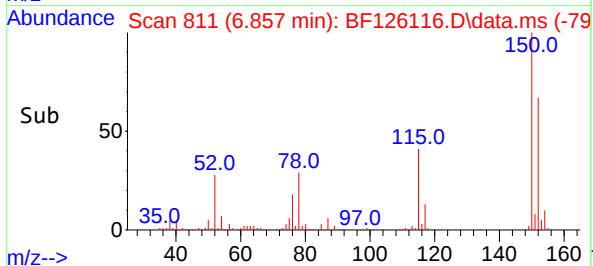
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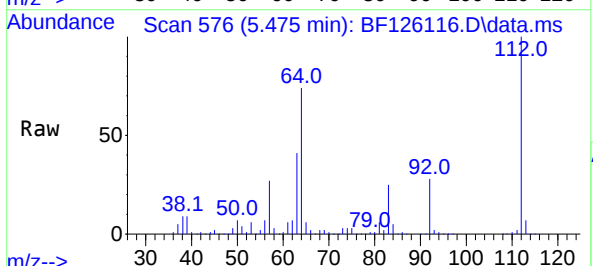
Tgt Ion:152 Resp: 15936
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 61.3 47.1 70.7

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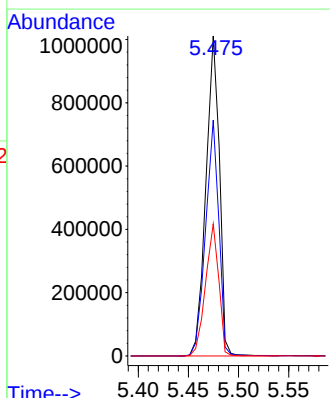
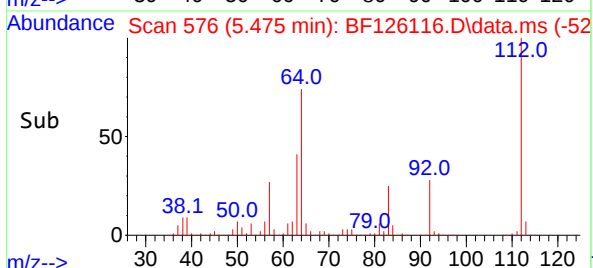
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Supervised By :mohammad ahmed 11/11/2021

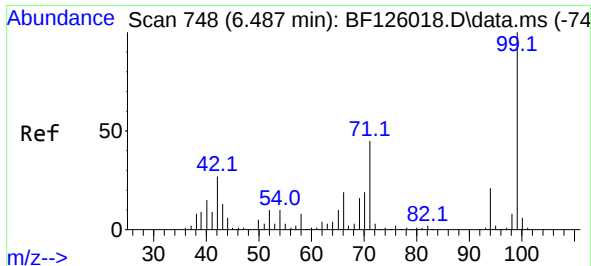


#5
2-Fluorophenol
Concen: 102.255 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53



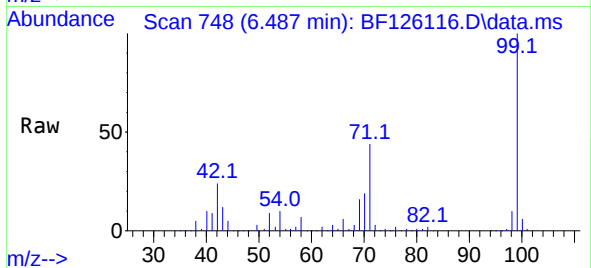
Tgt Ion:112 Resp: 948935
Ion Ratio Lower Upper
112 100
64 73.7 44.2 66.2#
63 41.3 26.2 39.2#





#7
Phenol-d6
Concen: 89.749 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

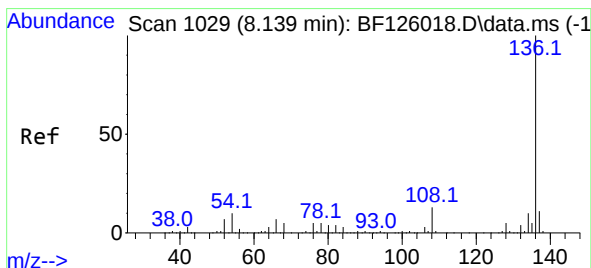
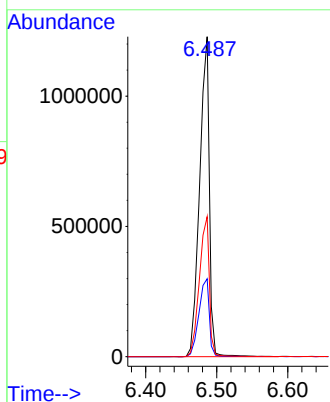
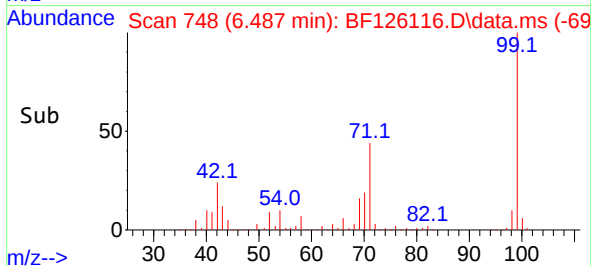
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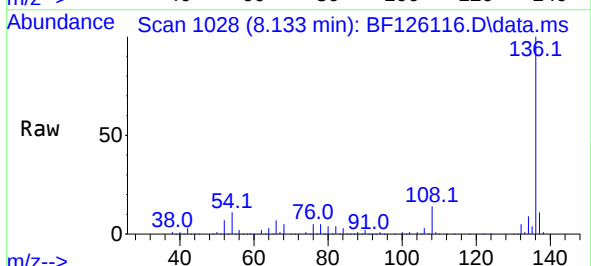
Tgt Ion: 99 Resp: 117408
Ion Ratio Lower Upper
99 100
42 24.4 23.5 35.3
71 43.8 25.6 38.4

Manual Integrations
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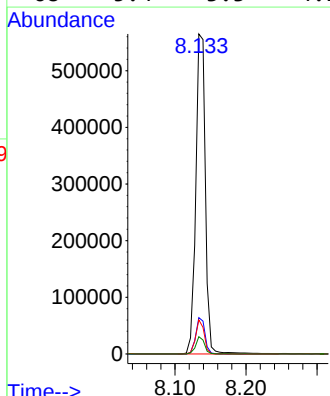
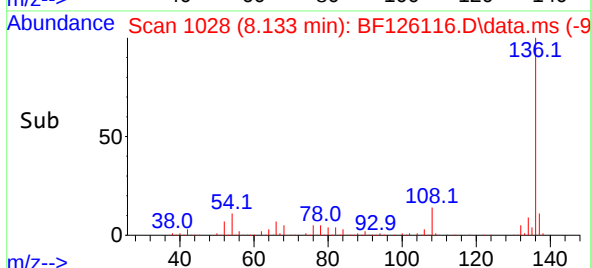
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53



Tgt Ion:136 Resp: 531936
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 10.6 6.4 9.6#
68 5.4 3.3 4.9#





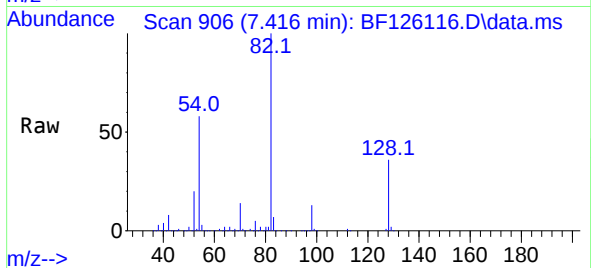
#23
Nitrobenzene-d5
Concen: 73.399 ng
RT: 7.416 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :

BNA_F

ClientSampleId :

AS-RO-COMP

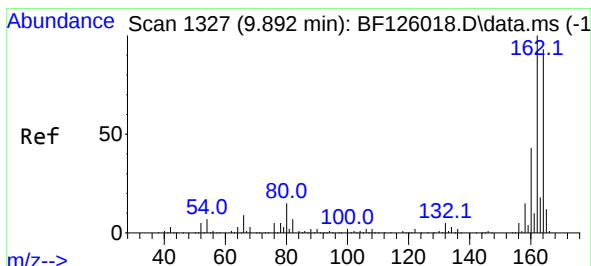
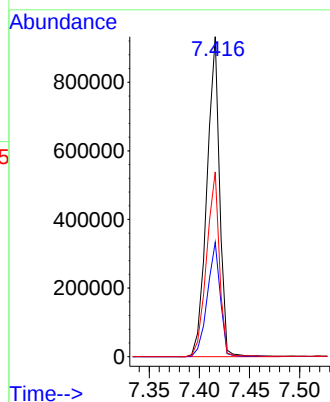
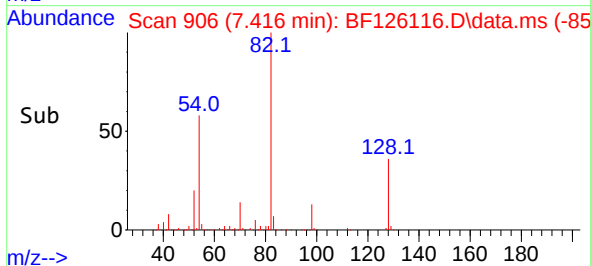


Tgt Ion: 82 Resp: 827885
Ion Ratio Lower Upper
82 100
128 35.7 40.6 60.8
54 57.7 49.6 74.4

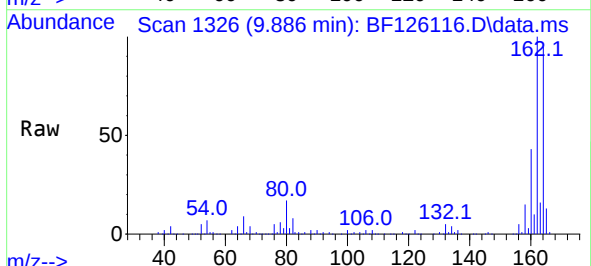
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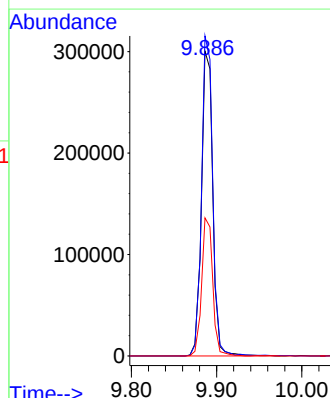
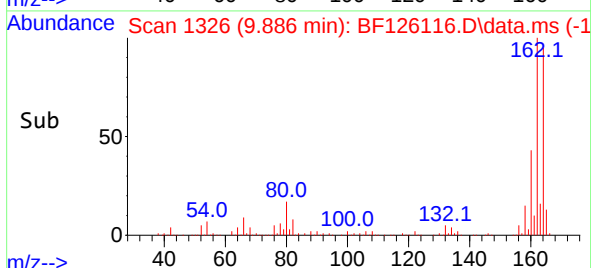
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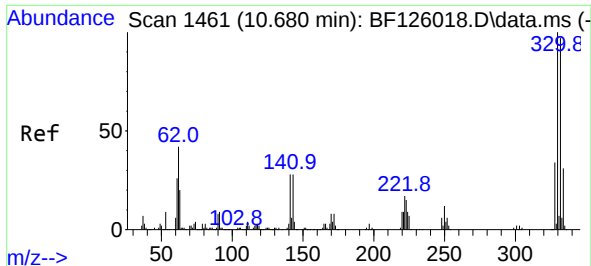


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53



Tgt Ion:164 Resp: 276287
Ion Ratio Lower Upper
164 100
162 105.0 81.3 121.9
160 45.3 38.0 57.0





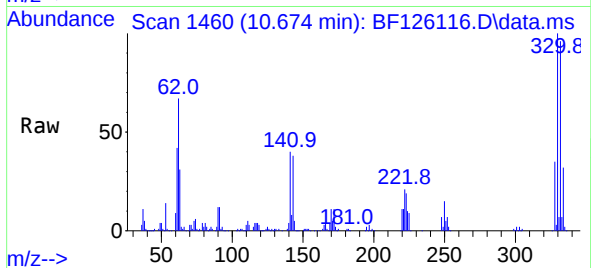
#42
2,4,6-Tribromophenol
Concen: 95.842 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :

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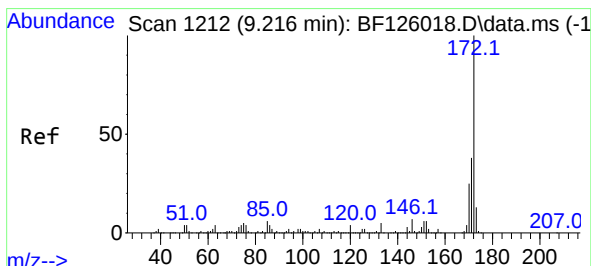
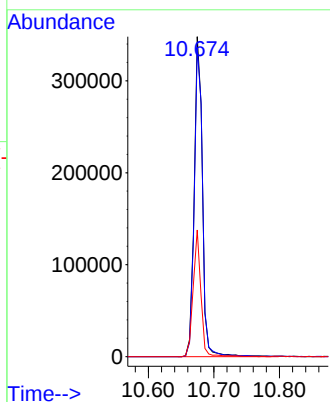
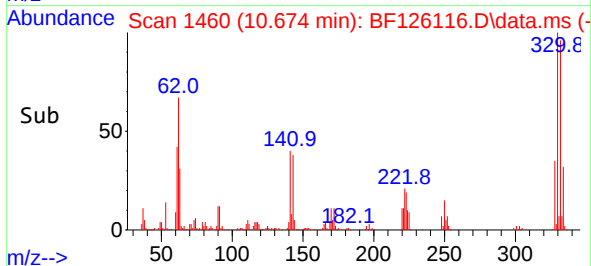


Tgt Ion:330 Resp: 303460
Ion Ratio Lower Upper
330 100
332 97.8 76.2 114.4
141 37.6 44.6 66.8

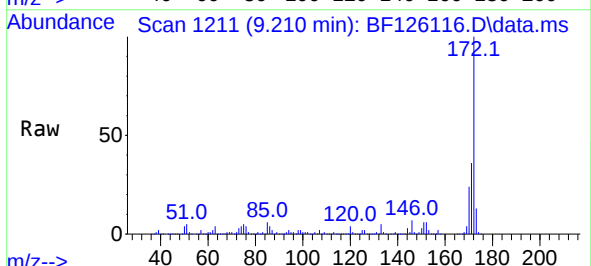
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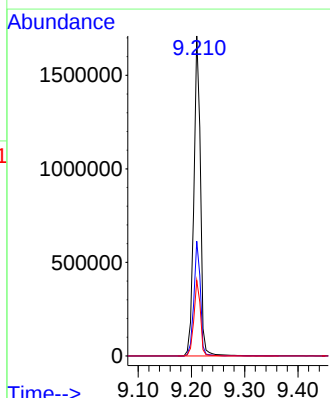
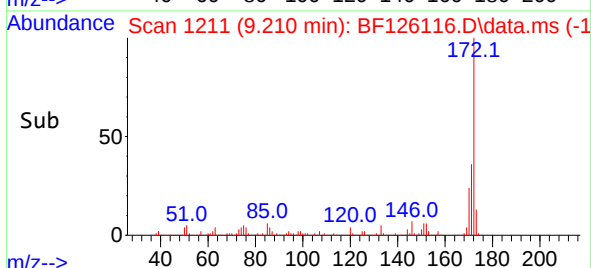
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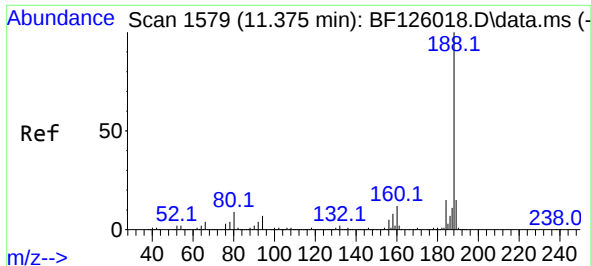


#45
2-Fluorobiphenyl
Concen: 72.017 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53



Tgt Ion:172 Resp: 1472389
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.6 18.8 28.2





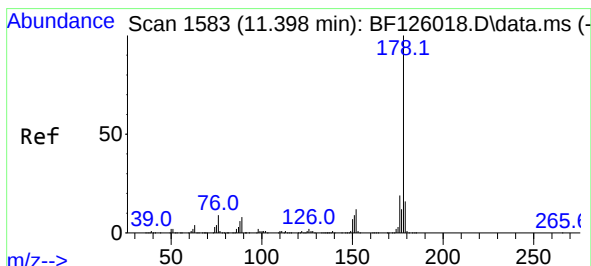
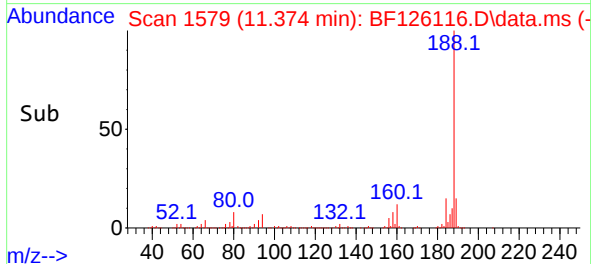
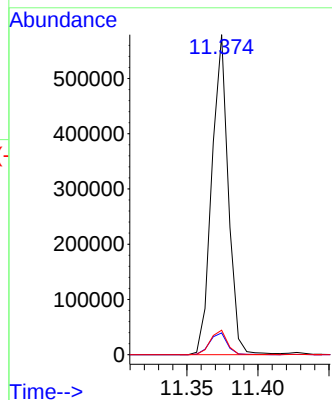
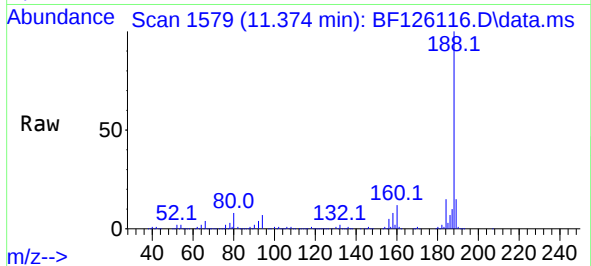
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.001 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

Tgt Ion:188 Resp: 468630
Ion Ratio Lower Upper
188 100
94 6.8 6.7 10.1
80 7.7 7.5 11.3

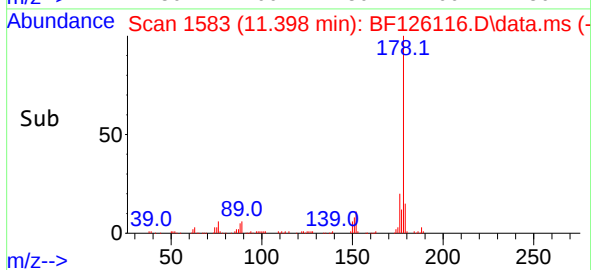
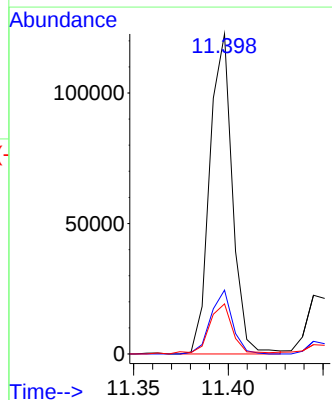
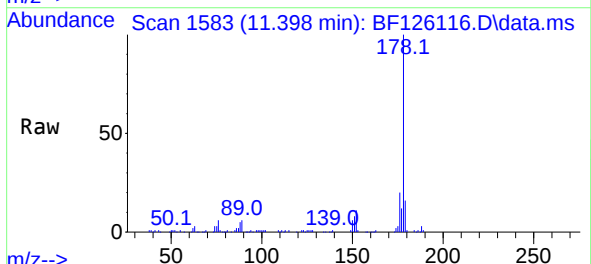
Manual Integrations
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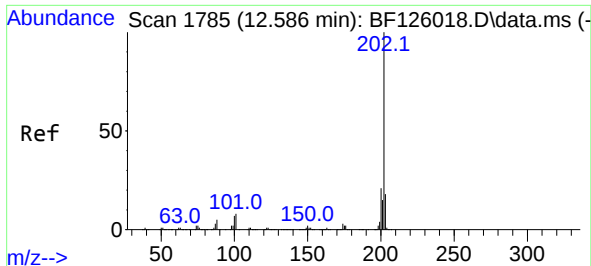
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#71
Phenanthrene
Concen: 4.010 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:178 Resp: 101916
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.7 11.5 17.3





#75
Fluoranthene
Concen: 8.352 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :

BNA_F

ClientSampleId :

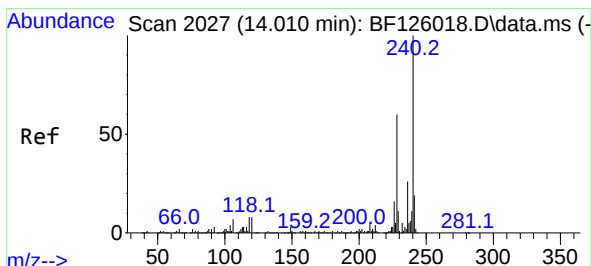
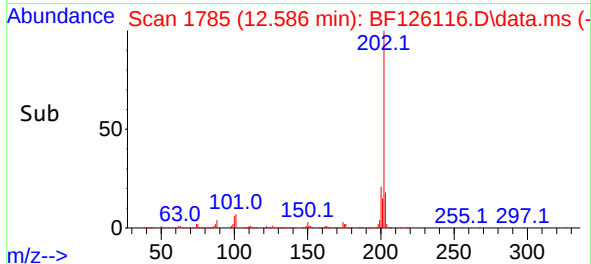
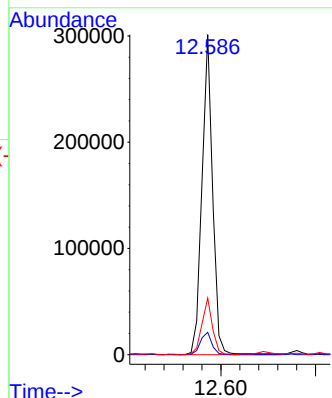
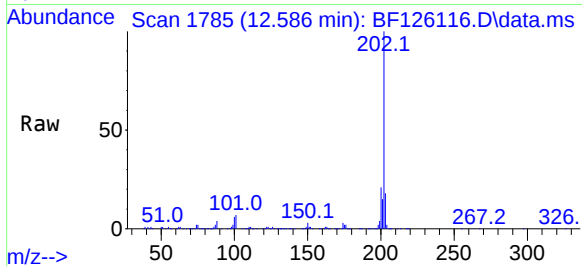
AS-RO-COMP

Tgt Ion:202 Resp: 236369
Ion Ratio Lower Upper
202 100
101 7.0 0.0 30.7
203 17.7 0.0 36.3

Manual Integrations

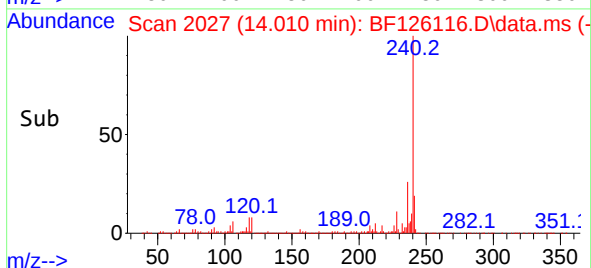
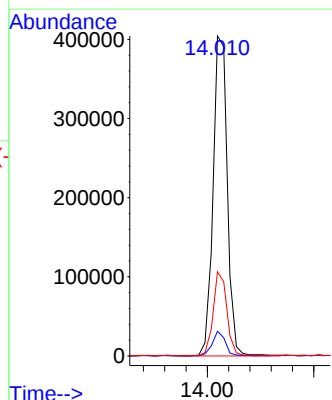
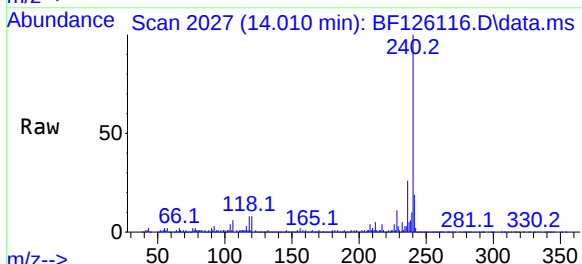
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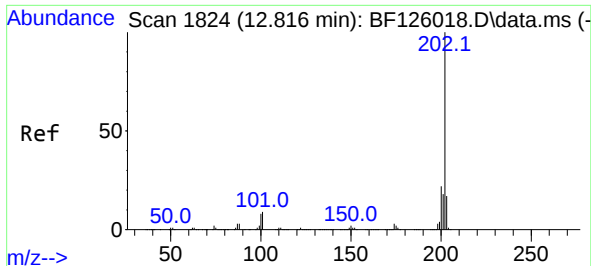
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

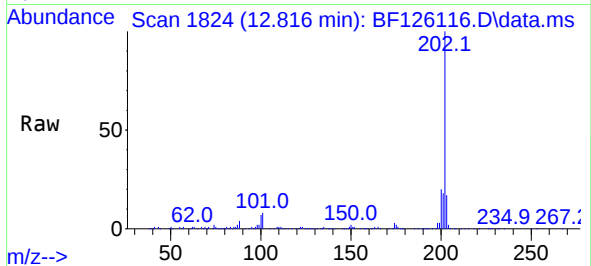
Tgt Ion:240 Resp: 376874
Ion Ratio Lower Upper
240 100
120 7.7 10.8 16.2#
236 26.3 21.6 32.4





#78
Pyrene
Concen: 6.180 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.001 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

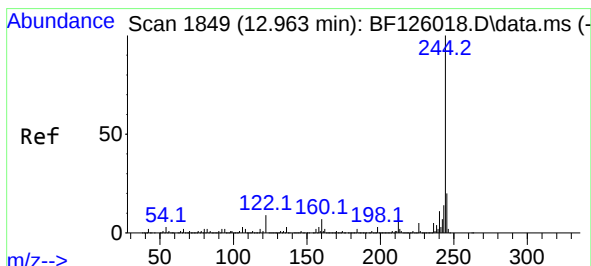
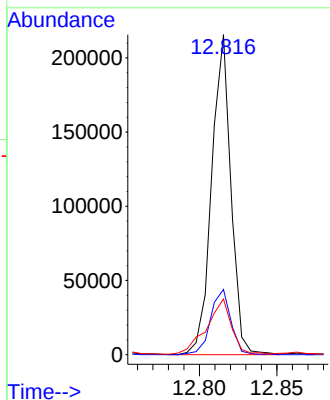
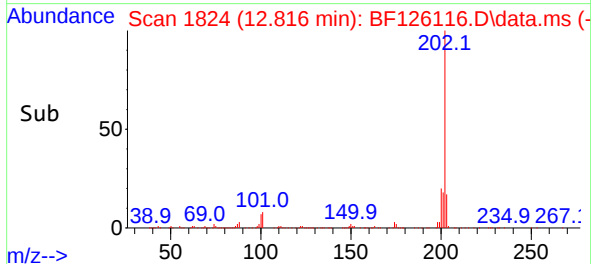
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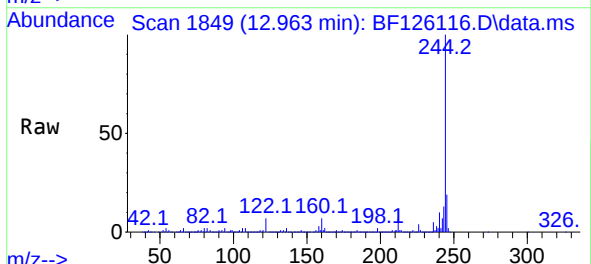
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Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 17.4 13.4 20.0

Manual Integrations
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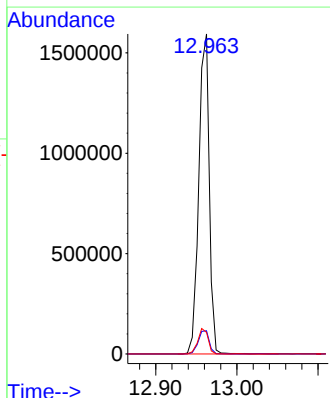
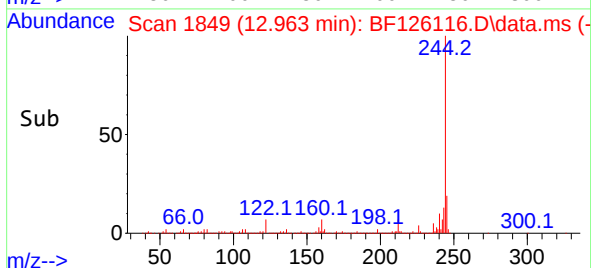
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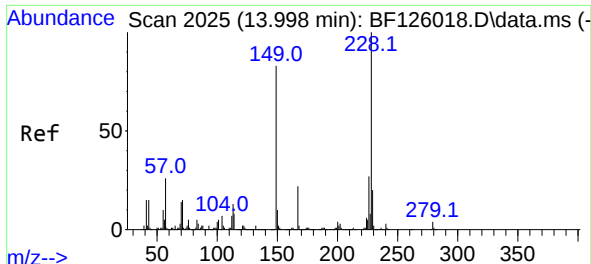


#79
Terphenyl-d14
Concen: 61.131 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53



Tgt Ion:244 Resp: 1428709
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 6.8 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 3.780 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :

BNA_F

ClientSampleId :

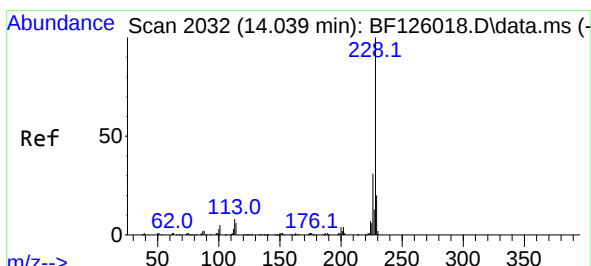
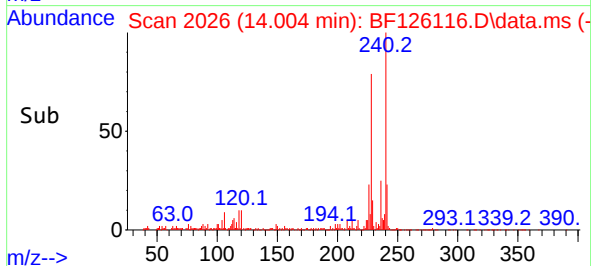
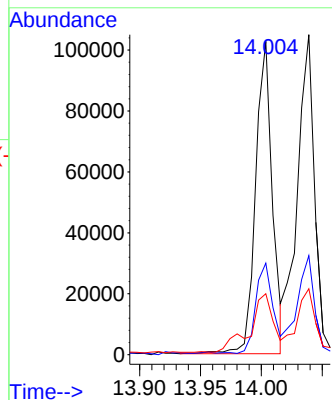
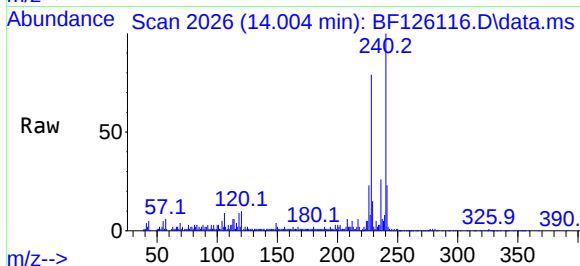
AS-RO-COMP

Tgt Ion:228 Resp: 97875
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 19.5 15.6 23.4

Manual Integrations

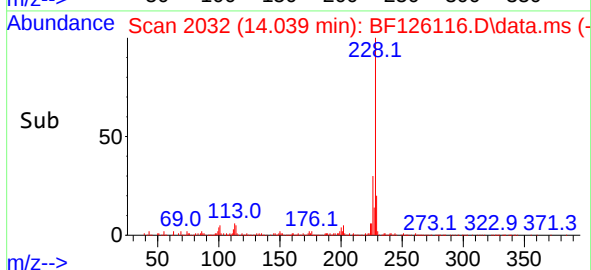
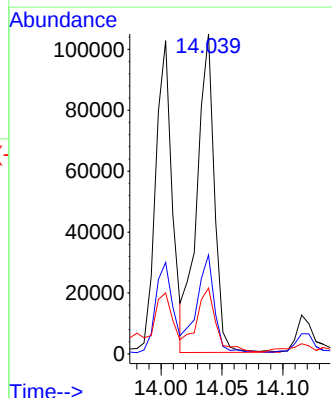
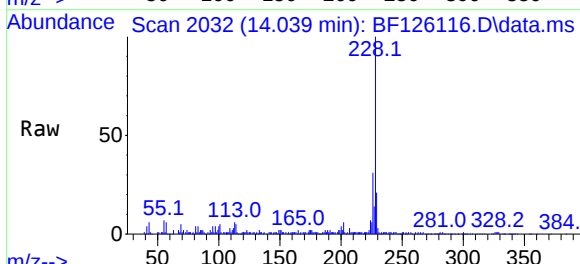
APPROVED

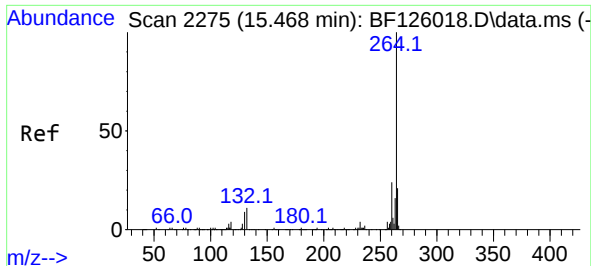
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#83
Chrysene
Concen: 4.326 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:228 Resp: 104211
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 20.6 15.9 23.9





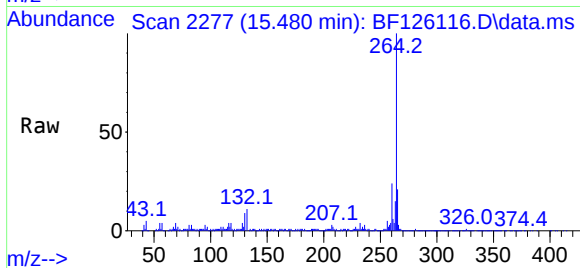
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :

BNA_F

ClientSampleId :

AS-RO-COMP

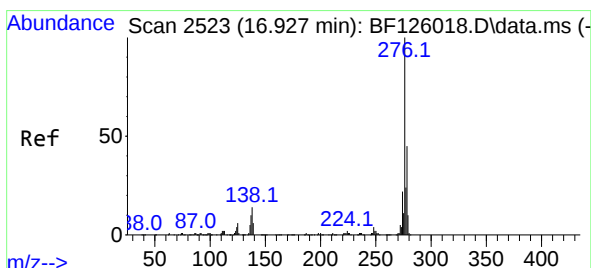
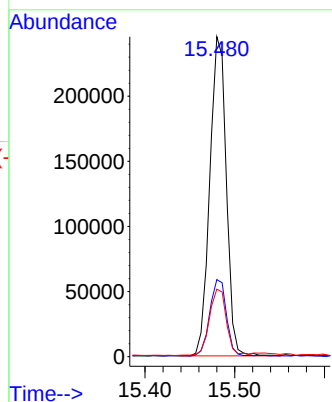
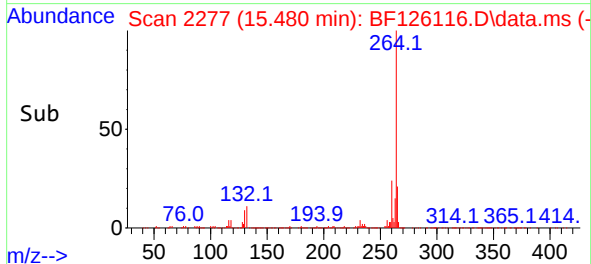


Tgt Ion:264 Resp: 312720
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.1 17.2 25.8

Manual Integrations

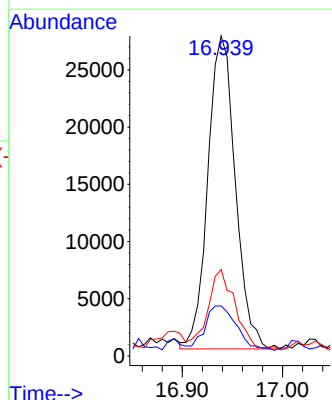
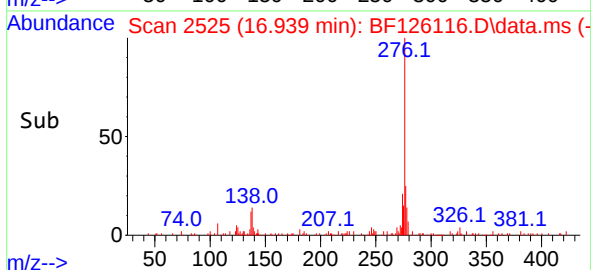
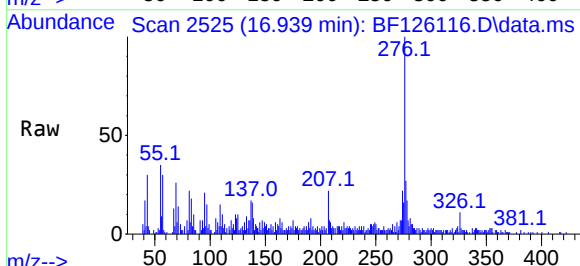
APPROVED

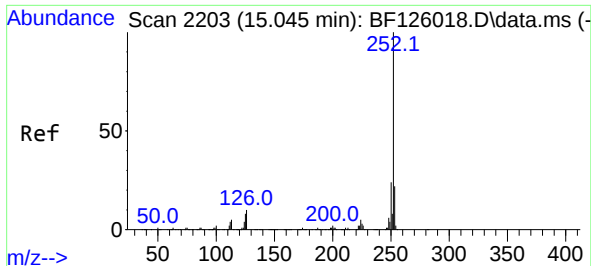
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.819 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:276 Resp: 52174
Ion Ratio Lower Upper
276 100
138 16.4 24.1 36.1#
277 25.9 18.8 28.2





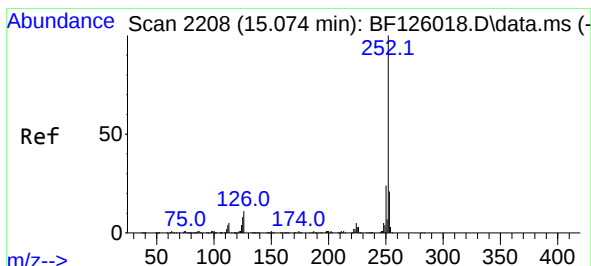
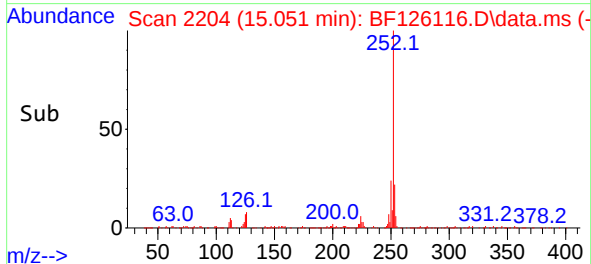
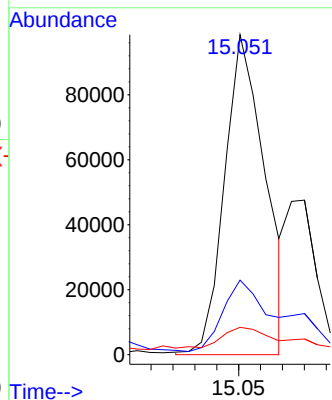
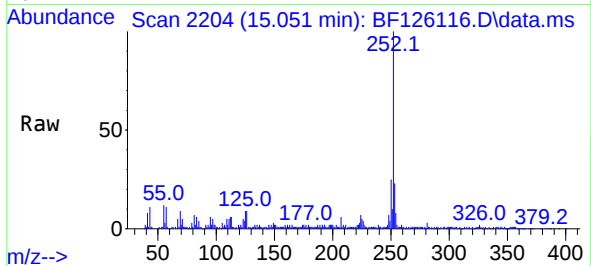
#88
Benzo(b)fluoranthene
Concen: 6.211 ng m
RT: 15.051 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

Tgt Ion:252 Resp: 12633
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 8.6 9.8 14.8

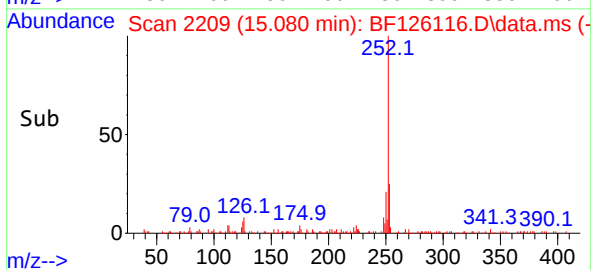
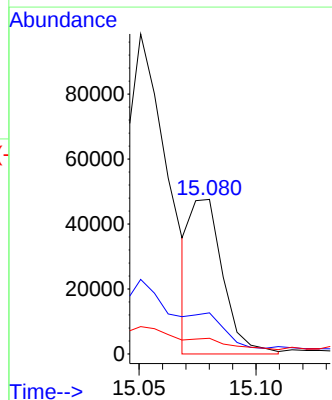
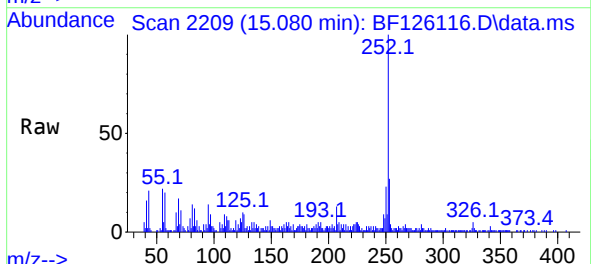
Manual Integrations
APPROVED

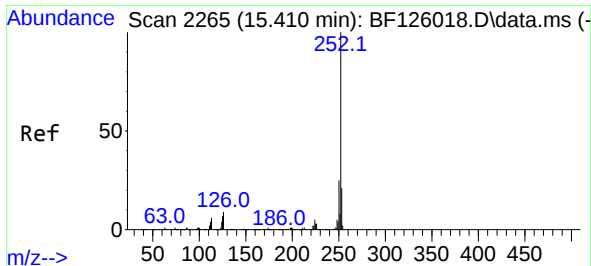
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



#89
Benzo(k)fluoranthene
Concen: 2.332 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:252 Resp: 46008
Ion Ratio Lower Upper
252 100
253 26.6 17.8 26.8
125 10.2 7.2 10.8





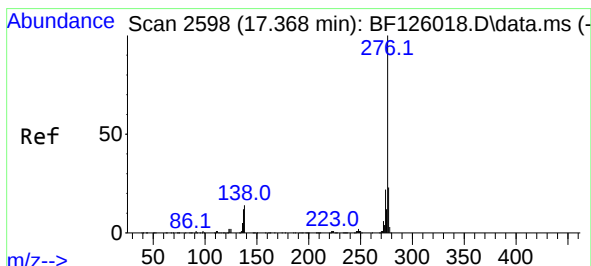
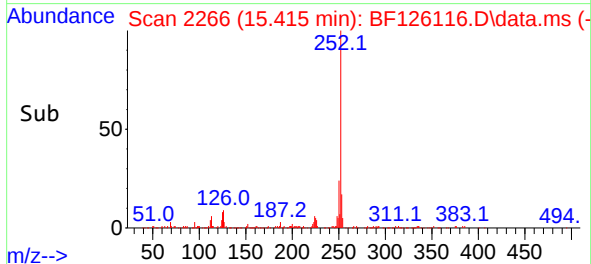
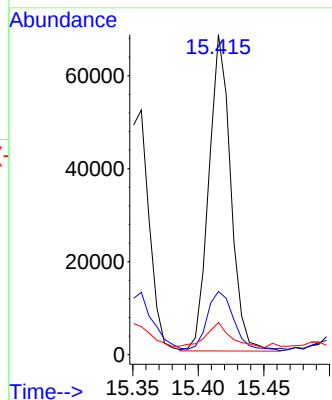
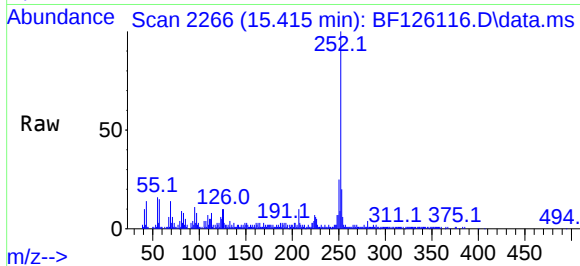
#90
Benzo(a)pyrene
Concen: 4.919 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.005 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

Tgt Ion:252 Resp: 78828
Ion Ratio Lower Upper
252 100
253 19.8 18.4 27.6
125 10.1 9.9 14.9

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.622 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:276 Resp: 52814
Ion Ratio Lower Upper
276 100
277 25.2 22.0 33.0
138 13.8 22.2 33.4#

