

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126111.D
 Acq On : 10 Nov 2021 17:09
 Operator : JU/CG
 Sample : M4595-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-ICS-003-004

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

11/11/2021
 Supervised By :mohammad
 ahmed

Quant Time: Nov 11 09:30:21 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	167610	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	566354	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	287021	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	436180	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	378099	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	309611	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	576610	59.078	ng	0.01
7) Phenol-d6	6.487	99	1297747	94.322	ng	0.00
23) Nitrobenzene-d5	7.416	82	977182	81.370	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	33576	10.208	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1727816	81.350	ng	0.00
79) Terphenyl-d14	12.963	244	1507288	64.284	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.398	178	216952	9.172	ng	97
75) Fluoranthene	12.586	202	287998	10.934	ng	95
78) Pyrene	12.816	202	272294	8.980	ng	99
81) Benzo(a)anthracene	14.004	228	135896	5.232	ng	96
83) Chrysene	14.039	228	147757m	6.114	ng	
87) Indeno(1,2,3-cd)pyrene	16.933	276	41975	2.290	ng	# 83
88) Benzo(b)fluoranthene	15.051	252	120112m	5.964	ng	
89) Benzo(k)fluoranthene	15.074	252	43082m	2.205	ng	
90) Benzo(a)pyrene	15.415	252	76925	4.848	ng	98
92) Benzo(g,h,i)perylene	17.374	276	42247	2.927	ng	# 84

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

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Sample : M4595-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004

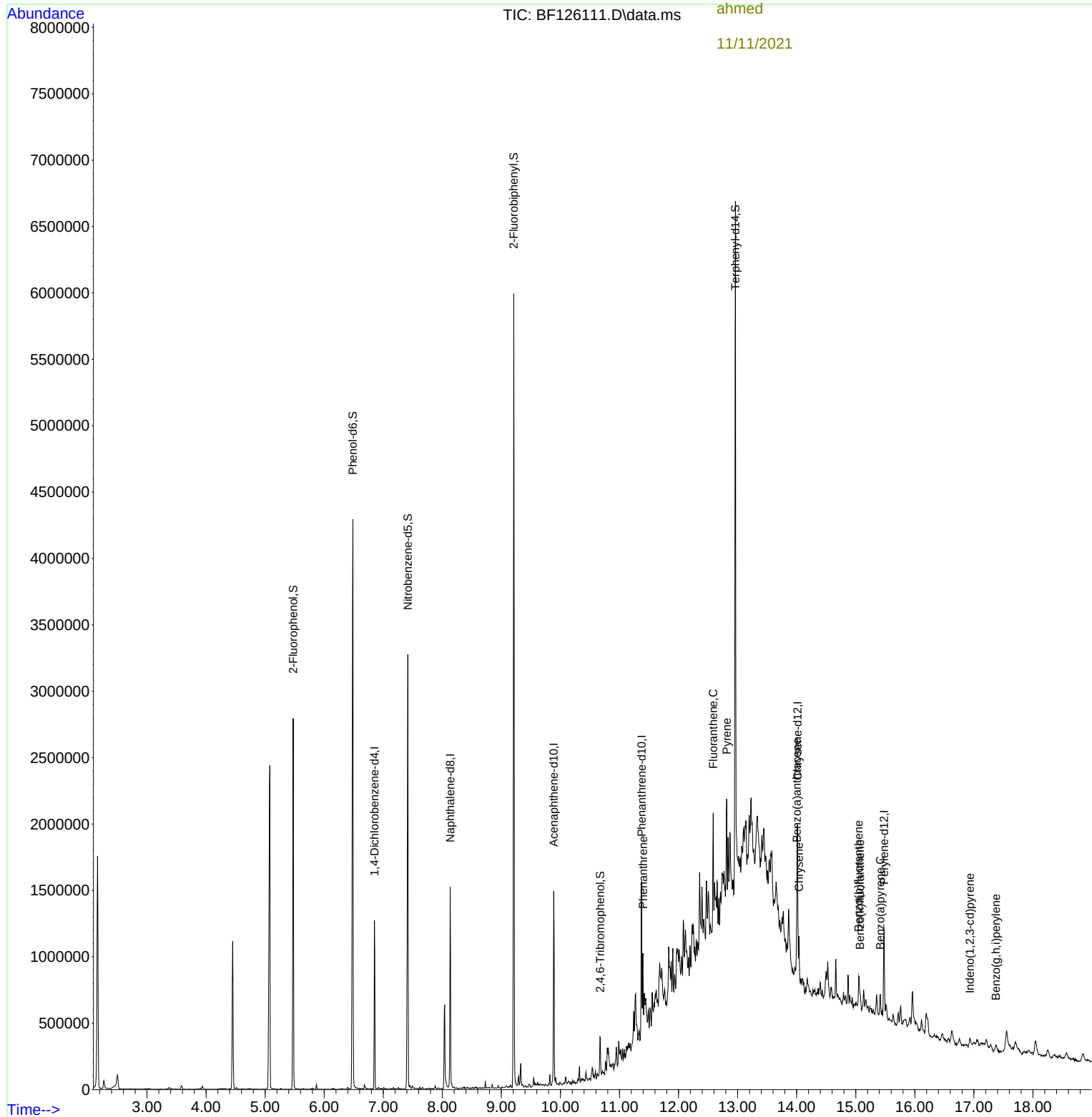
Quant Time: Nov 11 09:30:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration

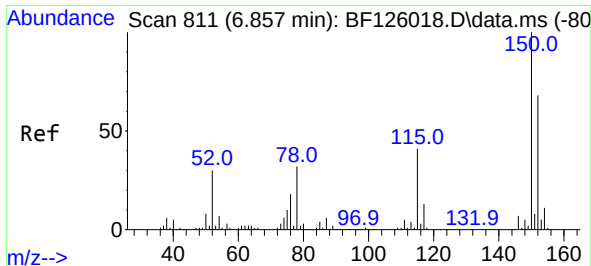
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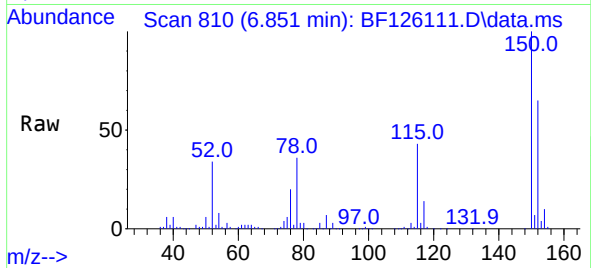
11/11/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



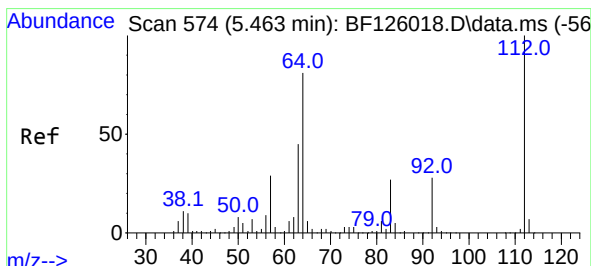
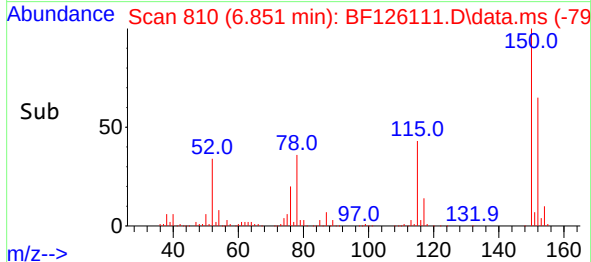
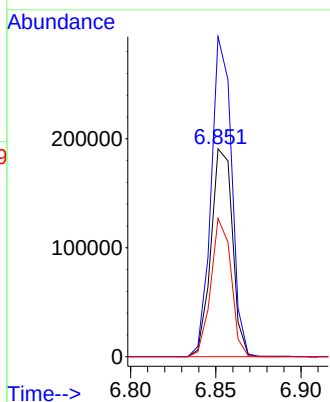
Tgt Ion:152 Resp: 167610
Ion Ratio Lower Upper
152 100
150 154.0 117.6 176.4
115 66.5 47.1 70.7

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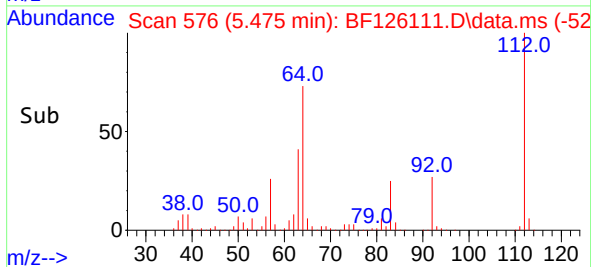
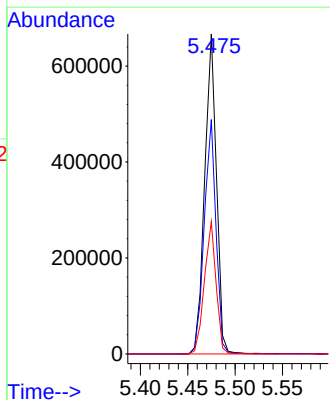
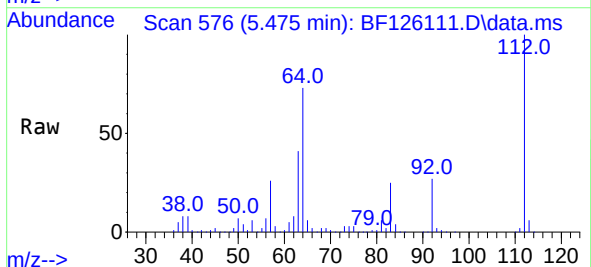
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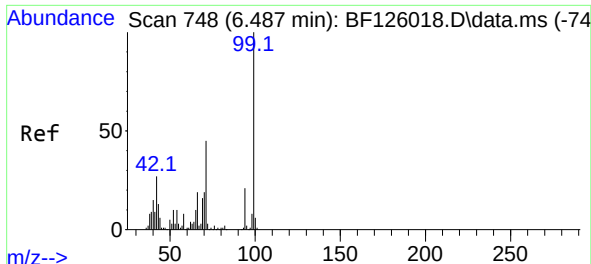
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#5
2-Fluorophenol
Concen: 59.078 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

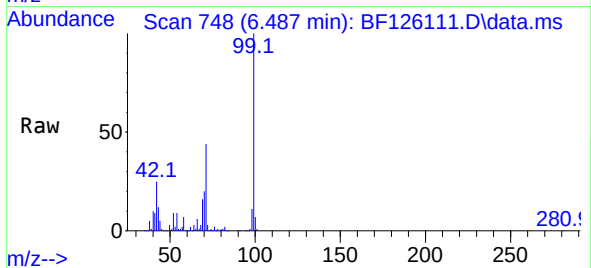
Tgt Ion:112 Resp: 576610
Ion Ratio Lower Upper
112 100
64 73.2 44.2 66.2#
63 41.3 26.2 39.2#





#7
Phenol-d6
Concen: 94.322 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



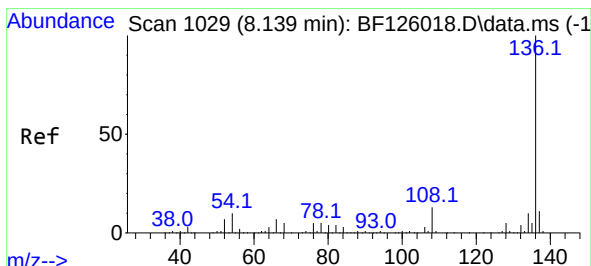
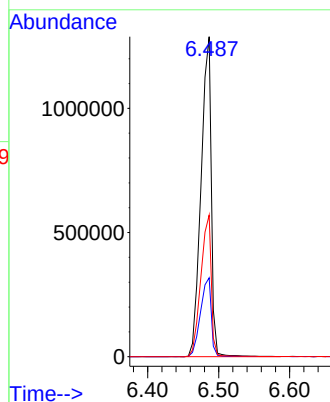
Tgt Ion: 99 Resp: 129774
Ion Ratio Lower Upper
99 100
42 24.6 23.5 35.3
71 44.3 25.6 38.4

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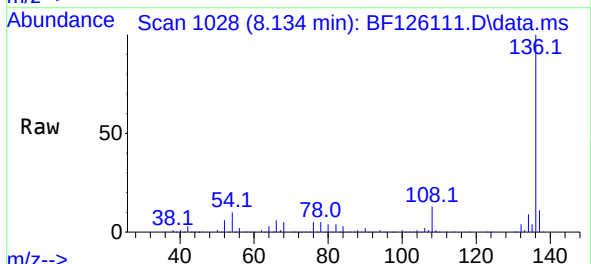
Reviewed By :Jagrut
Upadhyay

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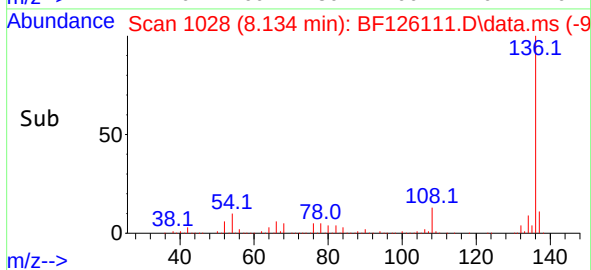
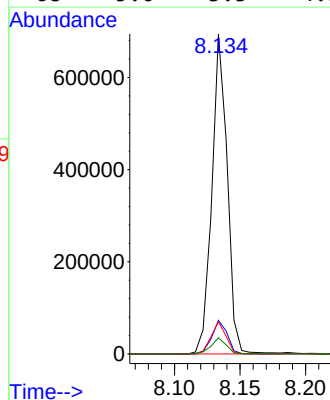
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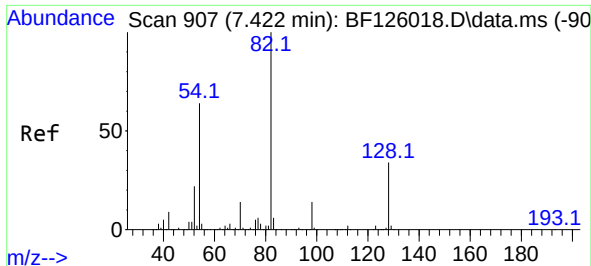


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09



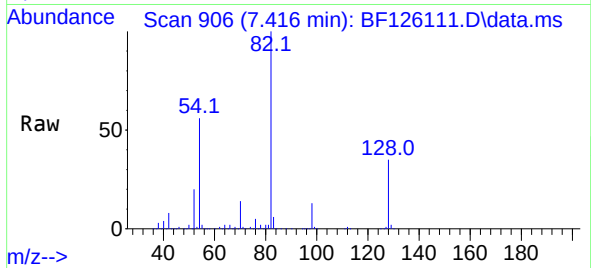
Tgt Ion:136 Resp: 566354
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 10.2 6.4 9.6#
68 5.0 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 81.370 ng
RT: 7.416 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



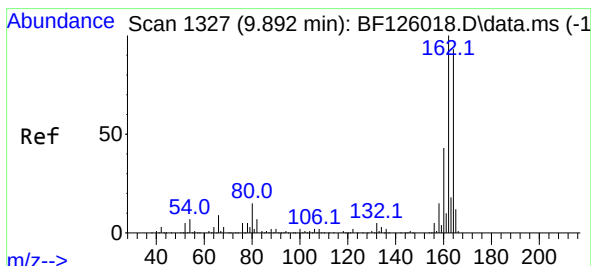
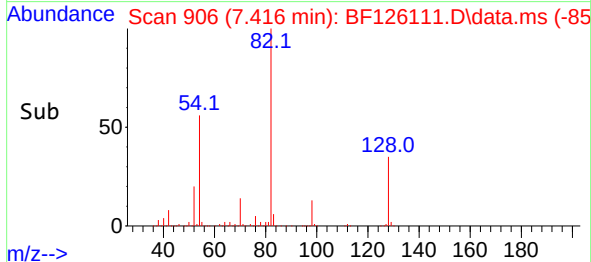
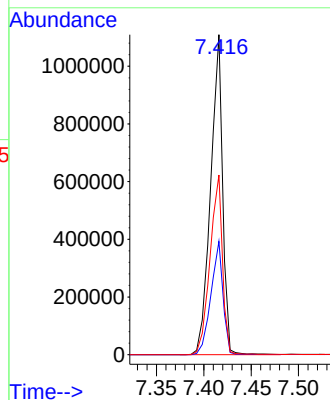
Tgt Ion: 82 Resp: 977182
Ion Ratio Lower Upper
82 100
128 35.4 40.6 60.8
54 56.1 49.6 74.4

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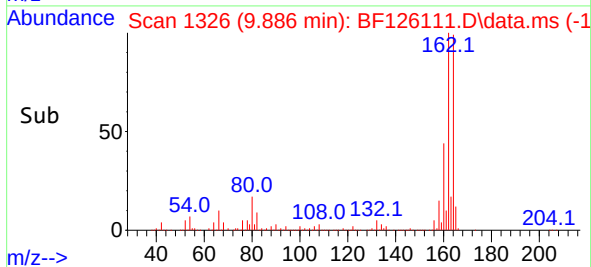
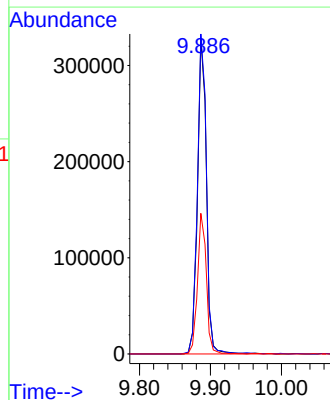
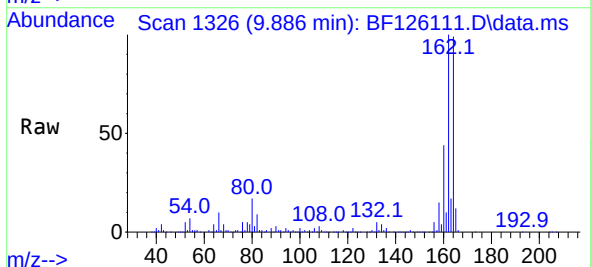
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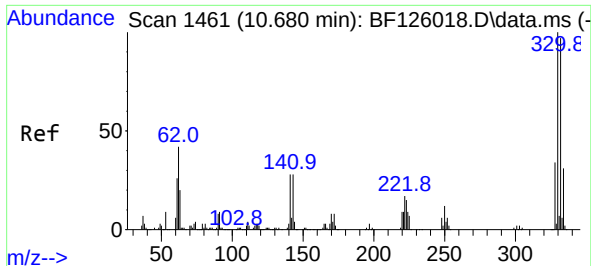
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:164 Resp: 287021
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 44.5 38.0 57.0





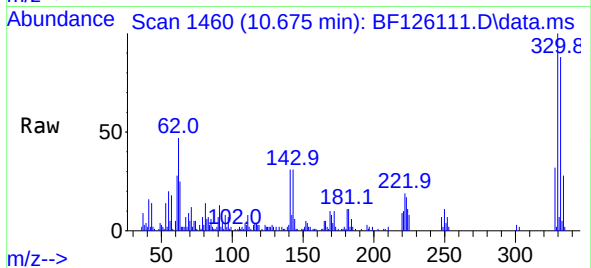
#42
2,4,6-Tribromophenol
Concen: 10.208 ng
RT: 10.675 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :

BNA_F

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CMC-ICS-003-004



Tgt Ion:330 Resp: 33570
Ion Ratio Lower Upper
330 100
332 92.4 76.2 114.4
141 40.6 44.6 66.8

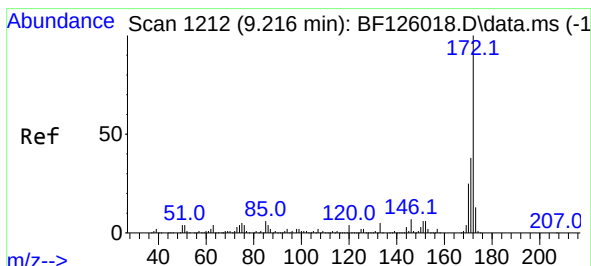
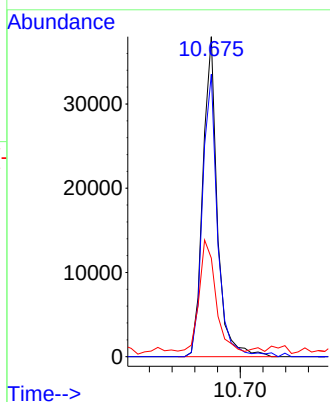
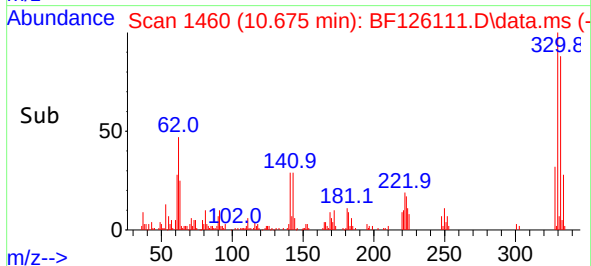
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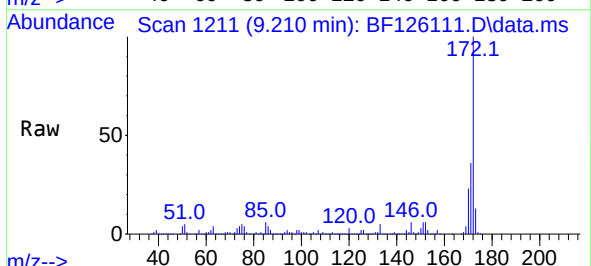
11/11/2021

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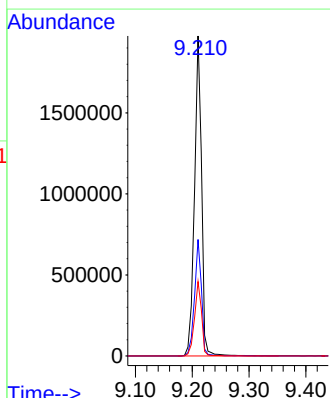
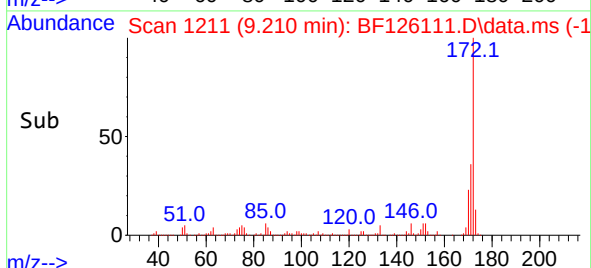
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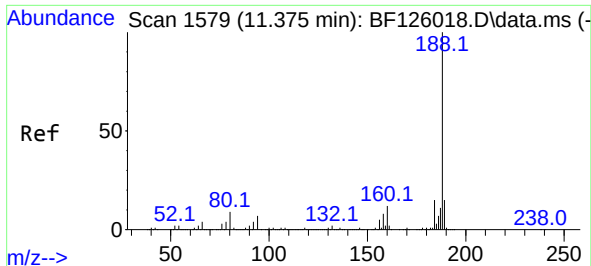


#45
2-Fluorobiphenyl
Concen: 81.350 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09



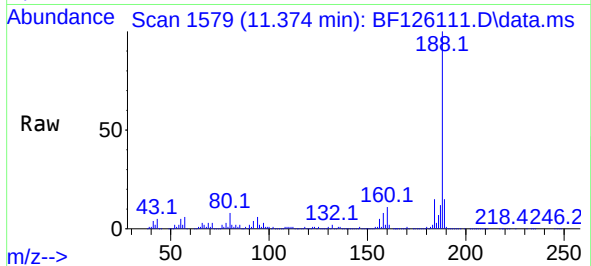
Tgt Ion:172 Resp: 1727816
Ion Ratio Lower Upper
172 100
171 36.4 26.5 39.7
170 23.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.001 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
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ClientSampleId :
CMC-ICS-003-004



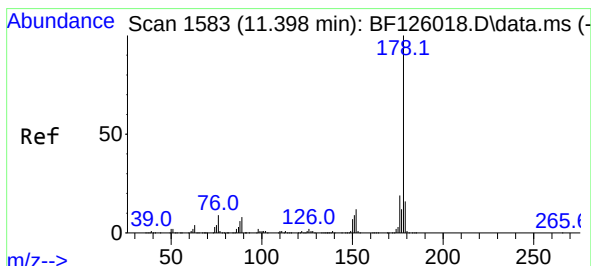
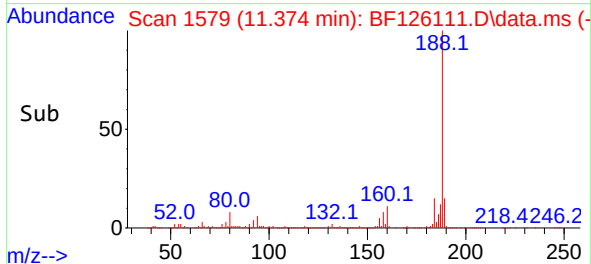
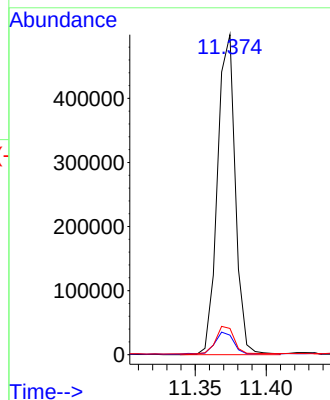
Tgt Ion:188 Resp: 436180
Ion Ratio Lower Upper
188 100
94 6.1 6.7 10.1
80 8.2 7.5 11.3

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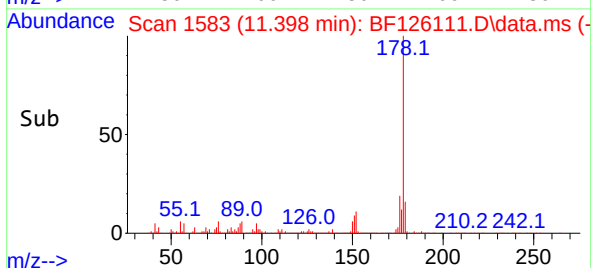
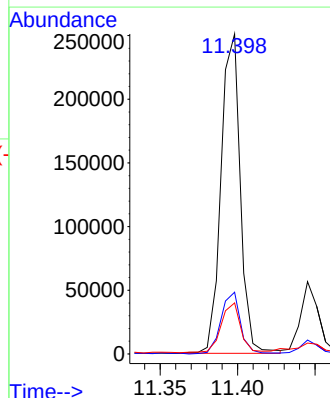
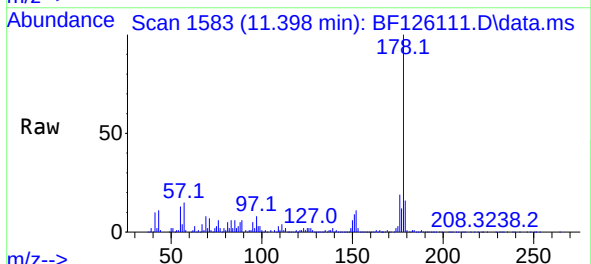
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Supervised By :mohammad
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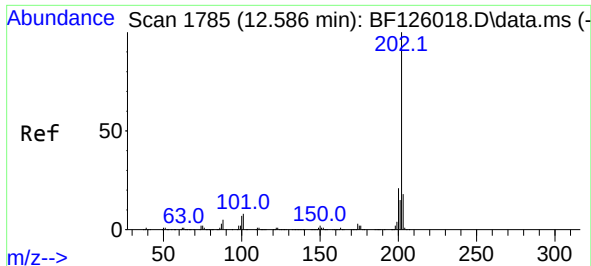
11/11/2021



#71
Phenanthrene
Concen: 9.172 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

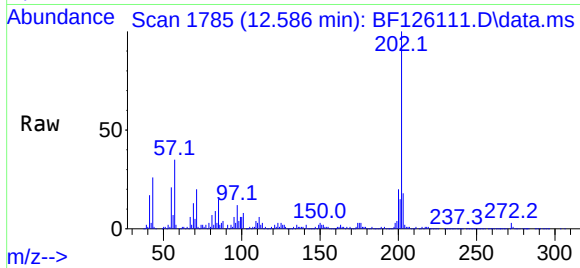
Tgt Ion:178 Resp: 216952
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 16.0 11.5 17.3





#75
Fluoranthene
Concen: 10.934 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
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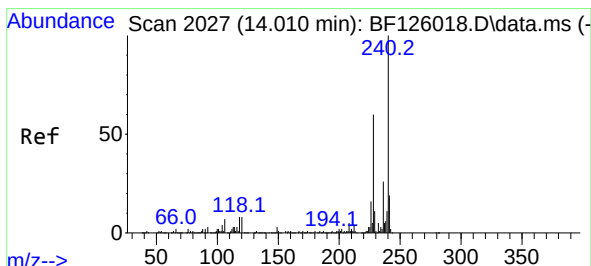
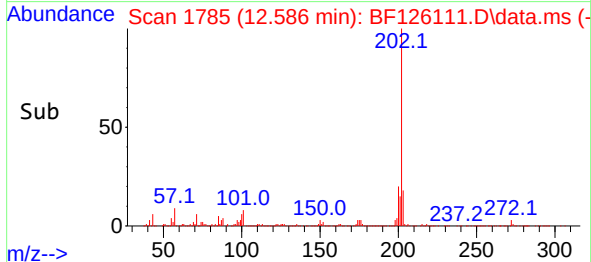
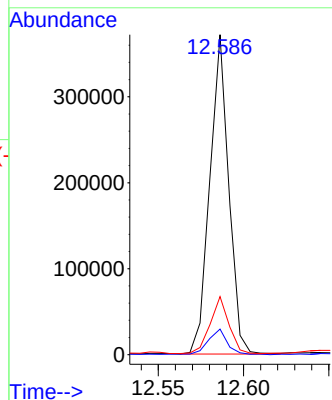
Tgt Ion:202 Resp: 287998
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.7
203 18.2 0.0 36.3

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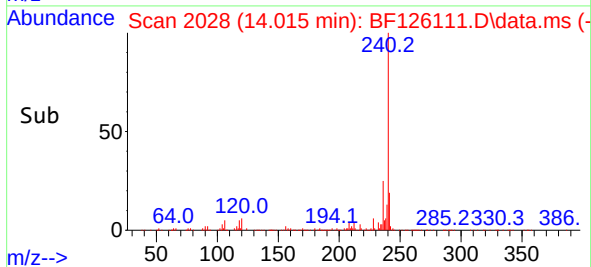
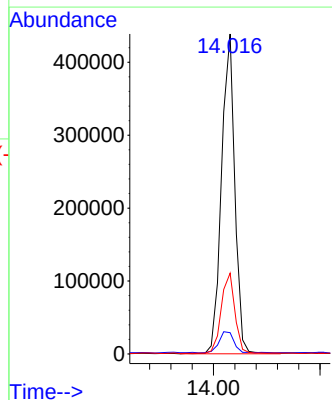
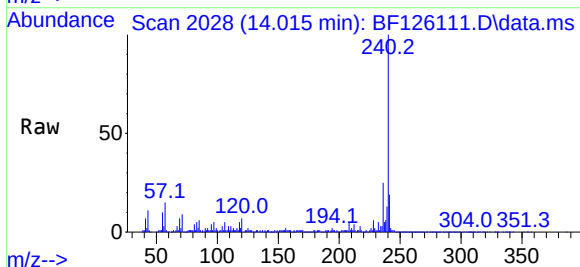
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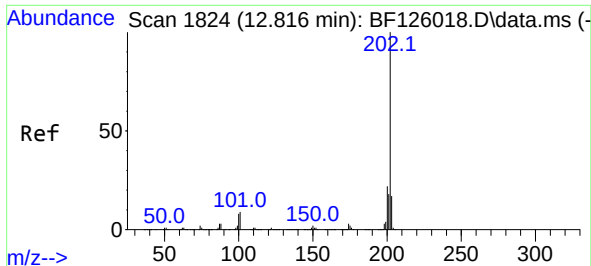
11/11/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.005 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

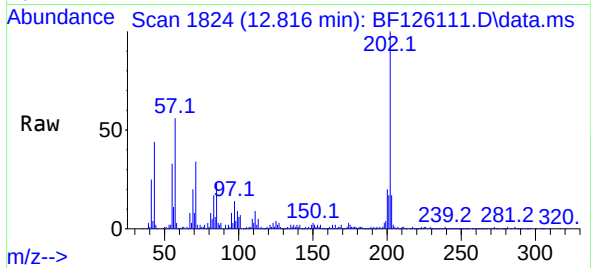
Tgt Ion:240 Resp: 378099
Ion Ratio Lower Upper
240 100
120 6.7 10.8 16.2#
236 25.3 21.6 32.4





#78
Pyrene
Concen: 8.980 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



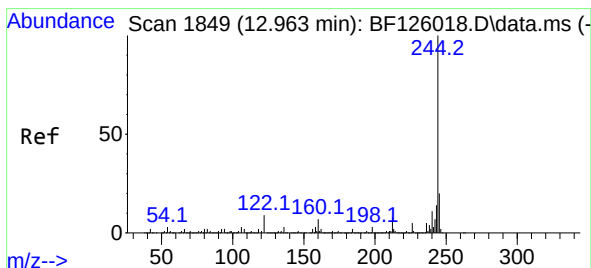
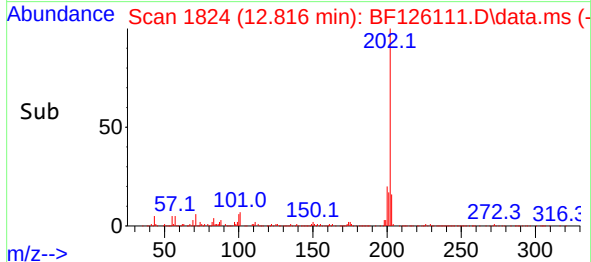
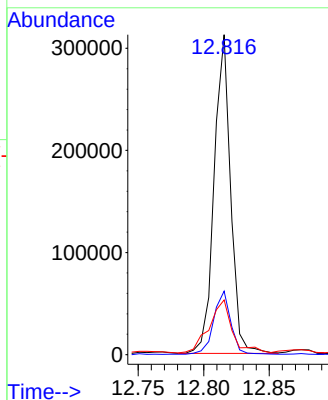
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Ion Ratio Lower Upper
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200 19.8 15.3 22.9
203 17.1 13.4 20.0

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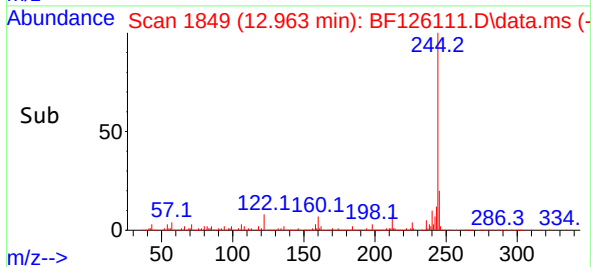
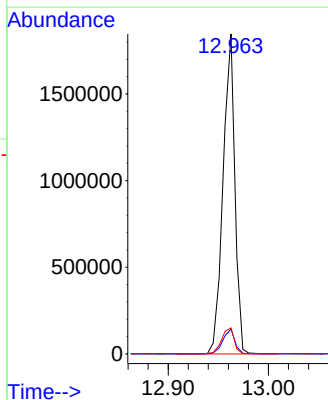
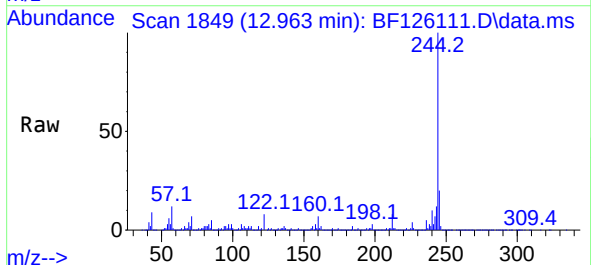
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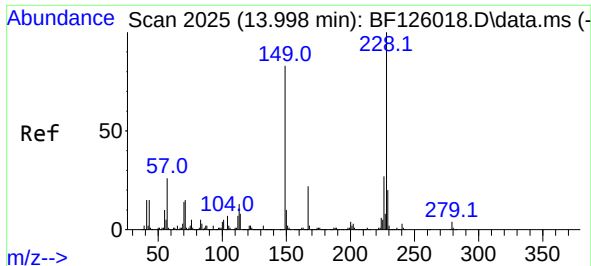
11/11/2021



#79
Terphenyl-d14
Concen: 64.284 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:244 Resp: 1507288
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 8.1 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 5.232 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

Instrument :

BNA_F

ClientSampleId :

CMC-ICS-003-004

Tgt Ion:228 Resp: 135890

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.6	32.4
229	22.7	15.6	23.4

Manual Integrations

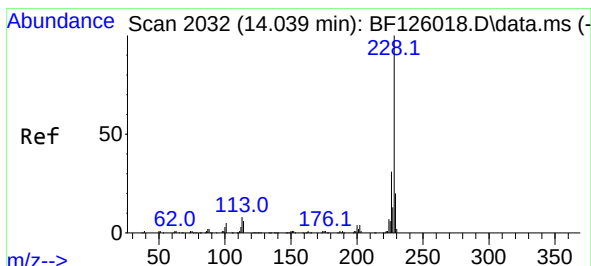
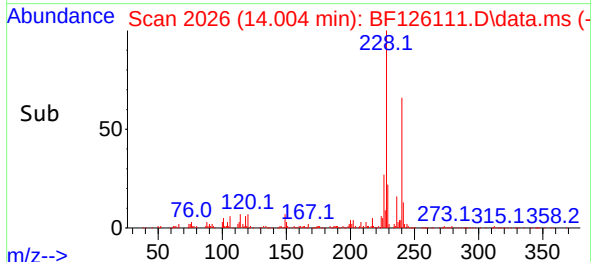
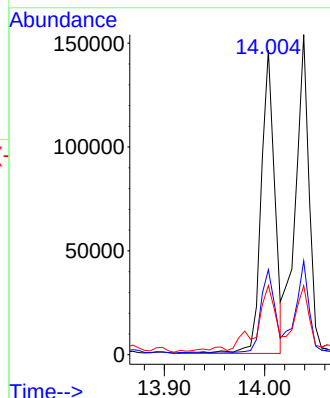
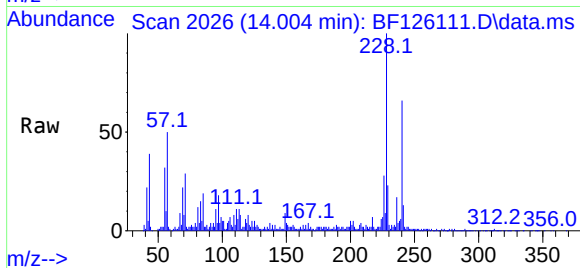
APPROVED

Reviewed By :Jagrut
Upadhyay

11/11/2021

Supervised By :mohammad
ahmed

11/11/2021



#83

Chrysene

Concen: 6.114 ng m

RT: 14.039 min Scan# 2032

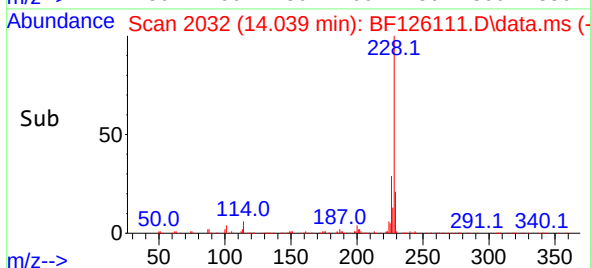
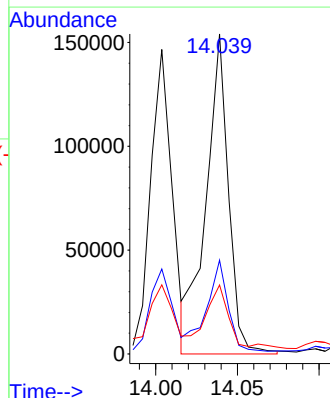
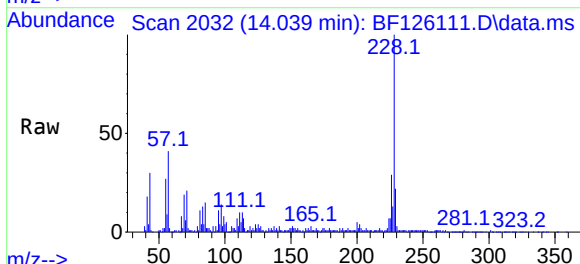
Delta R.T. 0.000 min

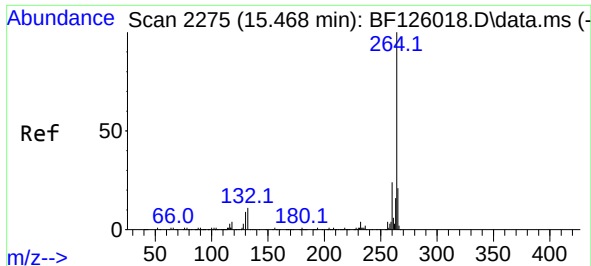
Lab File: BF126111.D

Acq: 10 Nov 2021 17:09

Tgt Ion:228 Resp: 147757

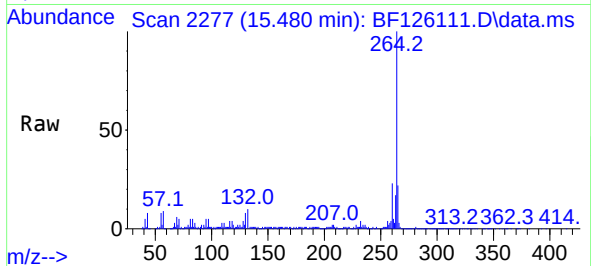
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	21.5	15.9	23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



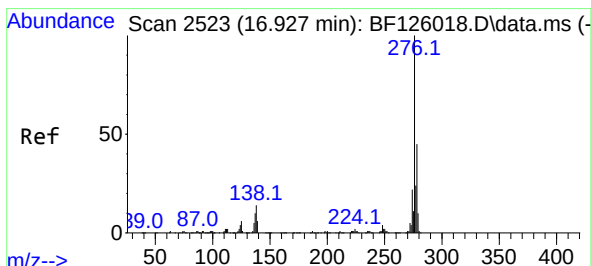
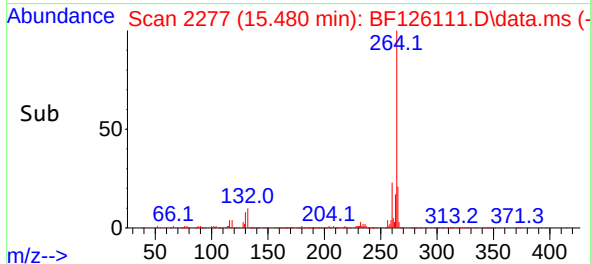
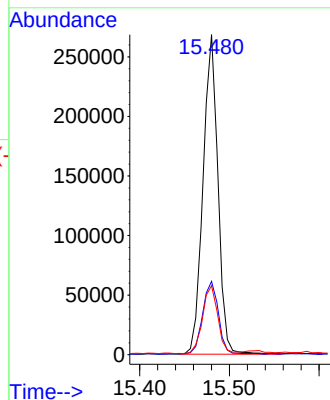
Tgt Ion:264 Resp: 30961
Ion Ratio Lower Upper
264 100
260 22.9 19.6 29.4
265 21.6 17.2 25.8

Manual Integrations
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Reviewed By :Jagrut
Upadhyay

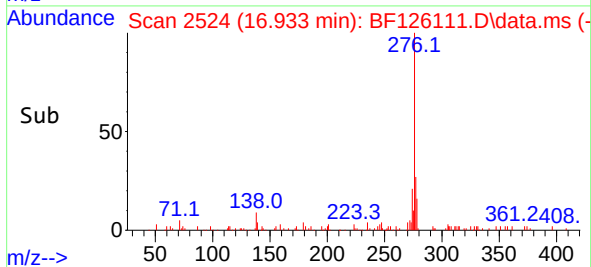
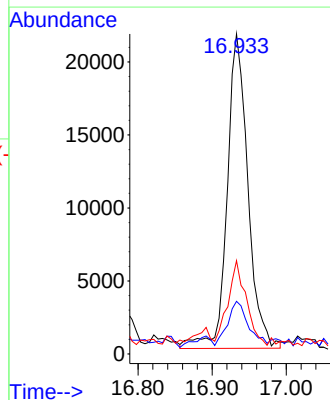
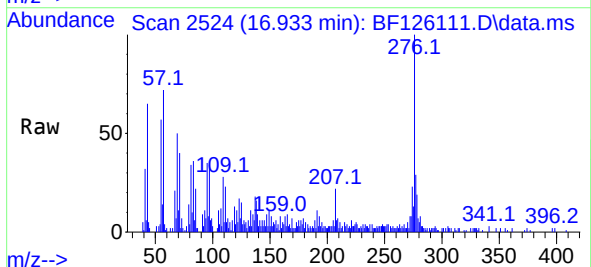
11/11/2021
Supervised By :mohammad
ahmed

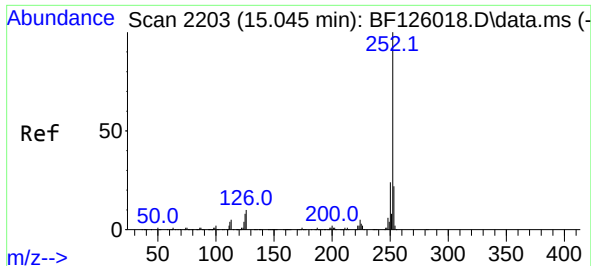
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.290 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

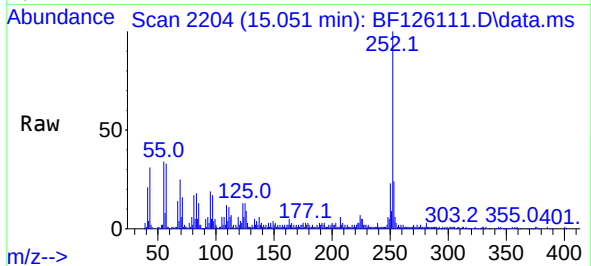
Tgt Ion:276 Resp: 41975
Ion Ratio Lower Upper
276 100
138 13.6 24.1 36.1#
277 23.6 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 5.964 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



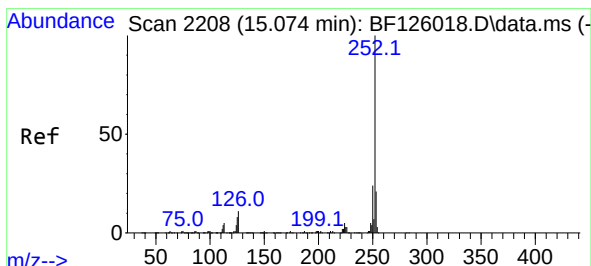
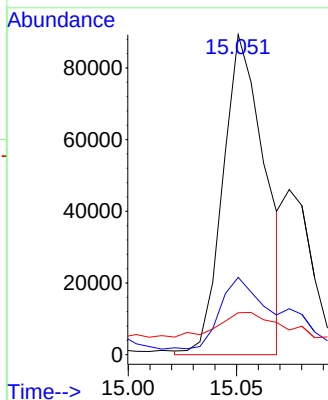
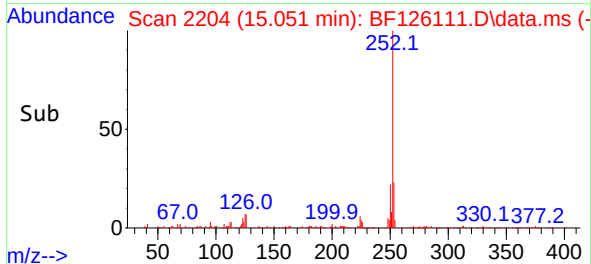
Tgt Ion:252 Resp: 12011
Ion Ratio Lower Upper
252 100
253 24.2 16.8 25.2
125 13.1 9.8 14.8

Manual Integrations
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Reviewed By :Jagrut
Upadhyay

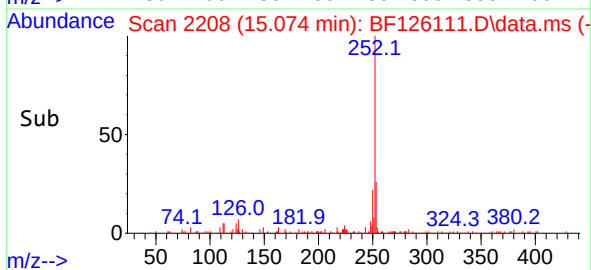
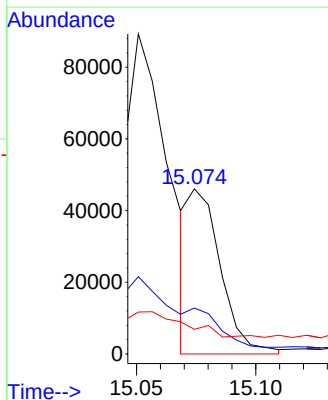
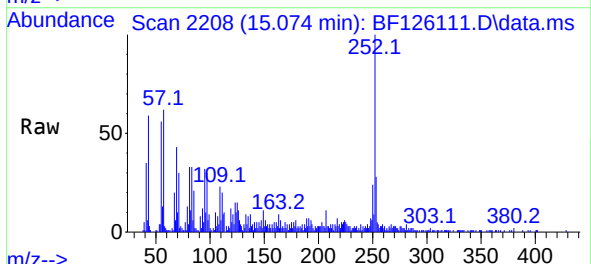
11/11/2021
Supervised By :mohammad
ahmed

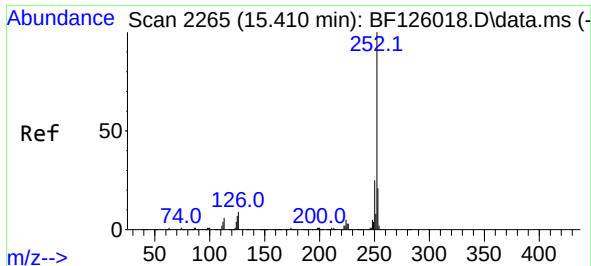
11/11/2021



#89
Benzo(k)fluoranthene
Concen: 2.205 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

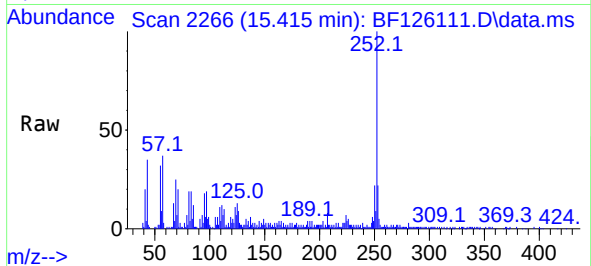
Tgt Ion:252 Resp: 43082
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8#
125 15.0 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 4.848 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.005 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Instrument :
BNA_F
ClientSampleId :
CMC-ICS-003-004



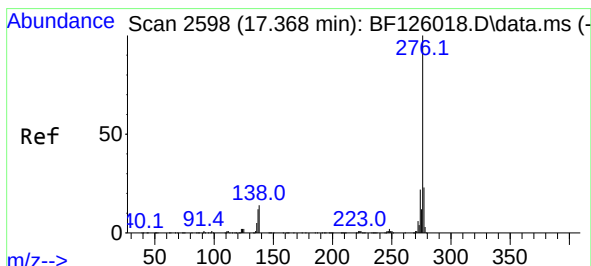
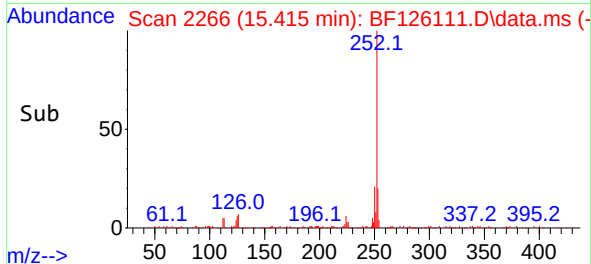
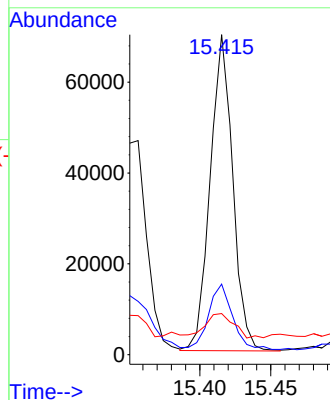
Tgt Ion:252 Resp: 76925
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 12.8 9.9 14.9

Manual Integrations
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Reviewed By :Jagrut
Upadhyay

11/11/2021
Supervised By :mohammad
ahmed

11/11/2021



#92
Benzo(g,h,i)perylene
Concen: 2.927 ng
RT: 17.374 min Scan# 2599
Delta R.T. 0.006 min
Lab File: BF126111.D
Acq: 10 Nov 2021 17:09

Tgt Ion:276 Resp: 42247
Ion Ratio Lower Upper
276 100
277 30.0 22.0 33.0
138 14.1 22.2 33.4#

