

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021122\
 Data File : BF126859.D
 Acq On : 11 Feb 2022 16:04
 Operator : CG\JU
 Sample : N1489-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :mohammad ahmed 02/15/2022

Quant Time: Feb 11 22:42:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	108591	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	440625	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	228144	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	420736	20.000	ng	0.00
76) Chrysene-d12	14.116	240	232980	20.000	ng	0.00
86) Perylene-d12	15.621	264	211456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	609509	86.419	ng	0.00
7) Phenol-d6	6.557	99	823584	86.498	ng	0.00
23) Nitrobenzene-d5	7.498	82	604206	63.269	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	220371	90.099	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	928424	61.257	ng	0.00
79) Terphenyl-d14	13.057	244	1035116	63.693	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.563	94	19318	2.013	ng	# 63
71) Phenanthrene	11.492	178	646049	27.712	ng	99
72) Anthracene	11.545	178	136082	5.842	ng	98
73) Carbazole	11.698	167	74917	3.533	ng	99
75) Fluoranthene	12.686	202	767703	35.206	ng	98
78) Pyrene	12.916	202	618935	29.270	ng	99
81) Benzo(a)anthracene	14.104	228	272817	17.285	ng	99
83) Chrysene	14.139	228	226327	15.271	ng	99
87) Indeno(1,2,3-cd)pyrene	17.157	276	108187	7.176	ng	96
88) Benzo(b)fluoranthene	15.174	252	241171m	17.854	ng	
89) Benzo(k)fluoranthene	15.198	252	82039m	5.883	ng	
90) Benzo(a)pyrene	15.557	252	161257	14.630	ng	95
91) Dibenzo(a,h)anthracene	17.162	278	31131	2.486	ng	96
92) Benzo(g,h,i)perylene	17.621	276	96412	7.740	ng	98

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

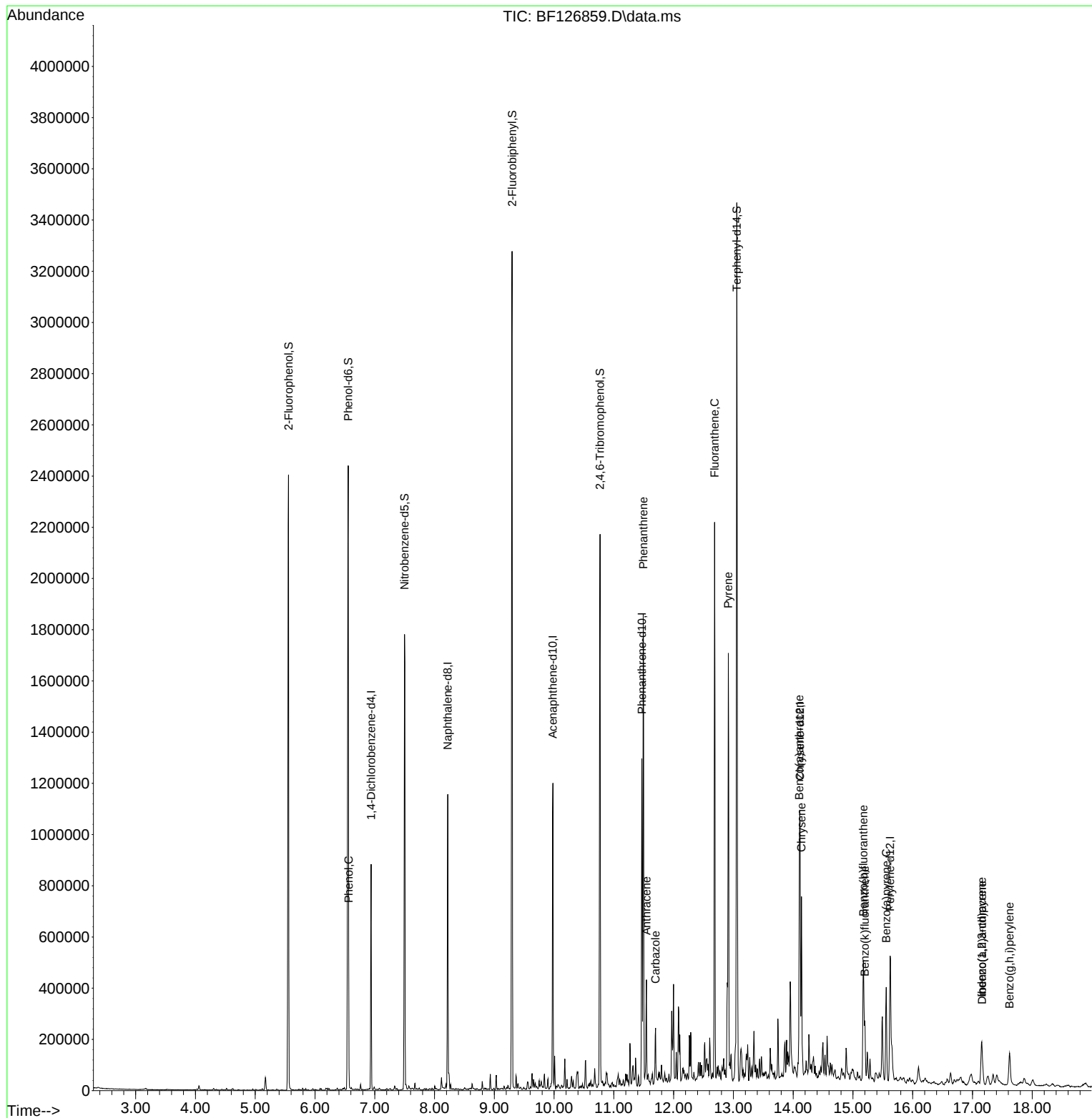
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021122\
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ALS Vial : 7 Sample Multiplier: 1

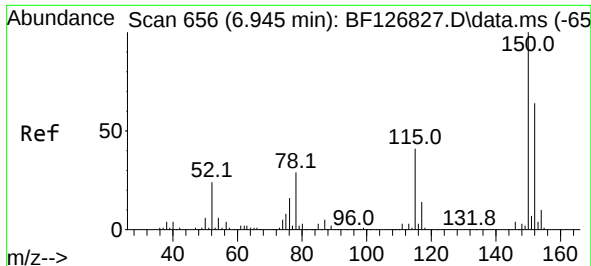
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
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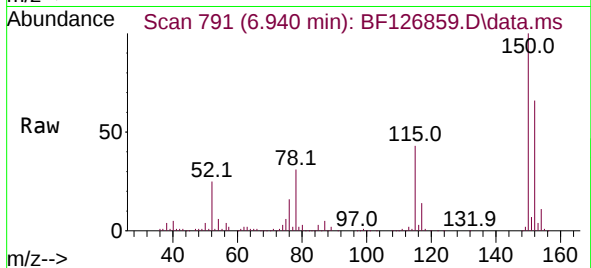
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 70
Delta R.T. -0.005 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

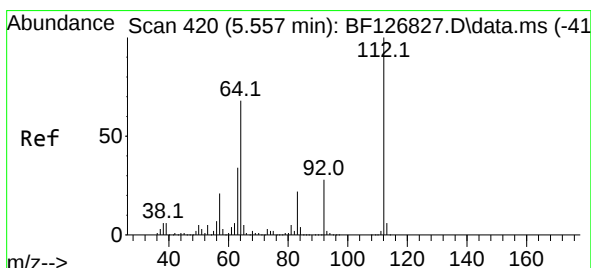
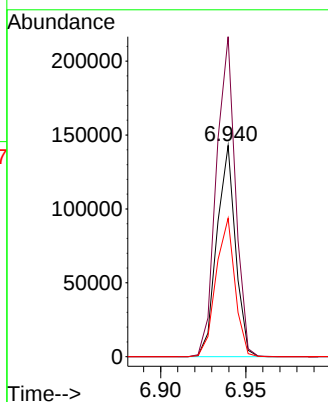
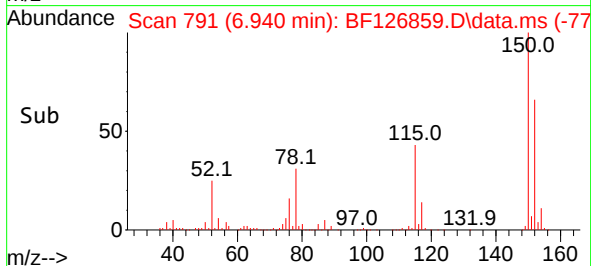
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:152 Resp: 10859
Ion Ratio Lower Upper
152 100
150 151.5 124.3 186.5
115 65.5 50.5 75.7

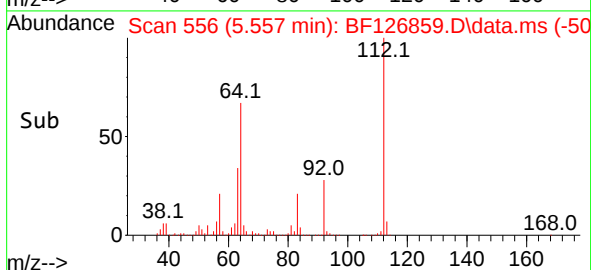
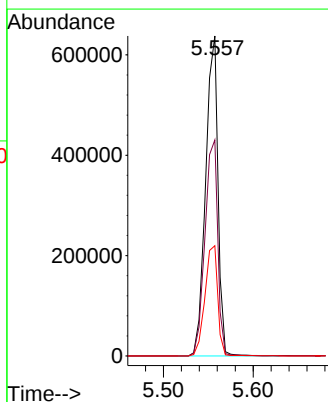
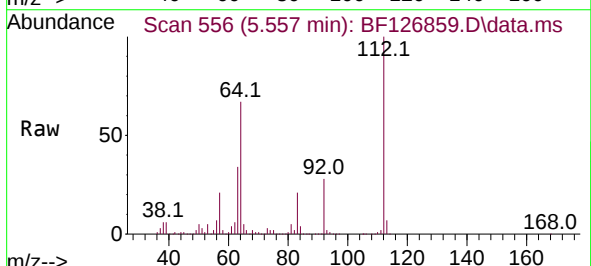
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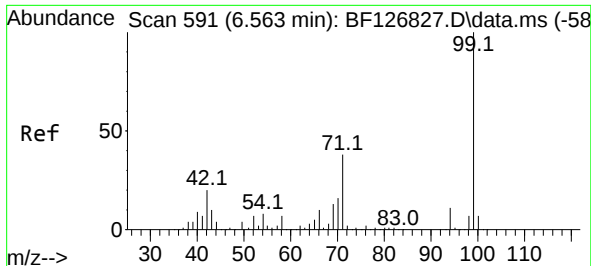
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022



#5
2-Fluorophenol
Concen: 86.419 ng
RT: 5.557 min Scan# 556
Delta R.T. -0.000 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:112 Resp: 609509
Ion Ratio Lower Upper
112 100
64 67.5 54.3 81.5
63 34.5 27.5 41.3





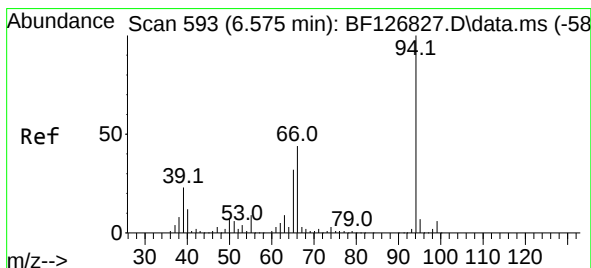
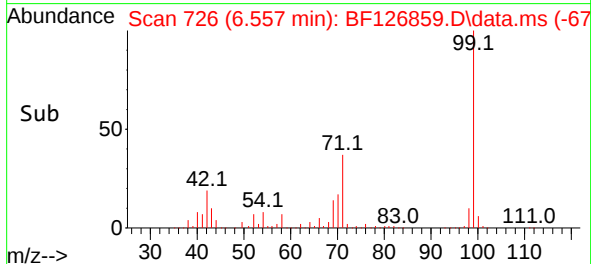
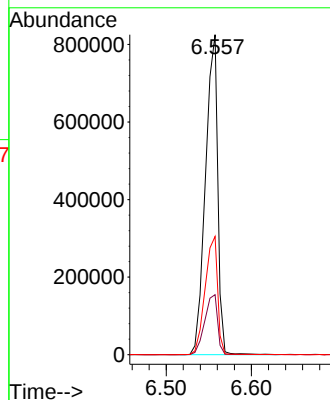
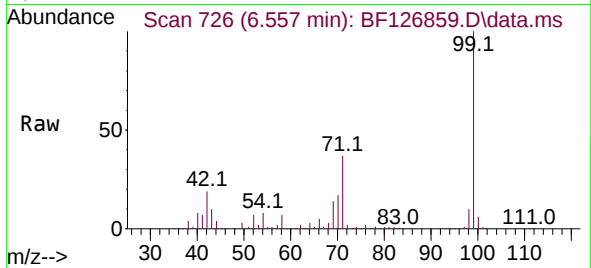
#7
Phenol-d6
Concen: 86.498 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 99 Resp: 823584
Ion Ratio Lower Upper
99 100
42 18.8 15.8 23.6
71 37.0 30.6 45.8

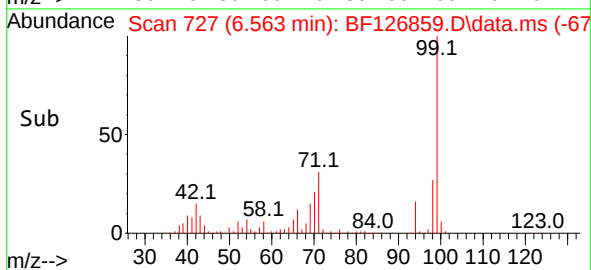
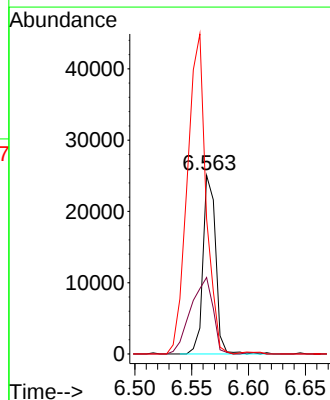
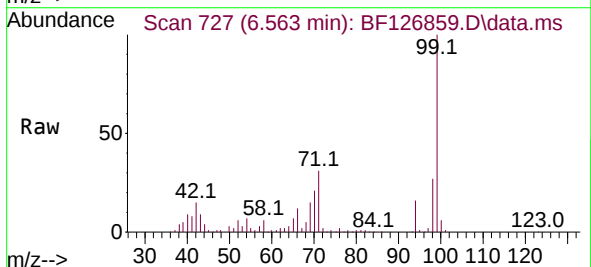
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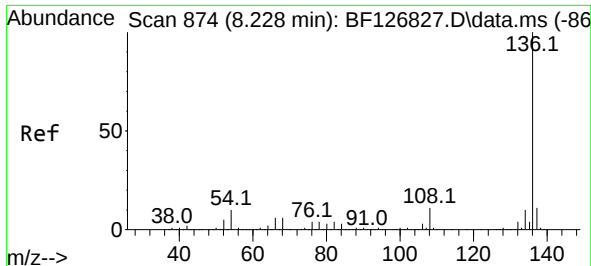
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022



#10
Phenol
Concen: 2.013 ng
RT: 6.563 min Scan# 727
Delta R.T. -0.012 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

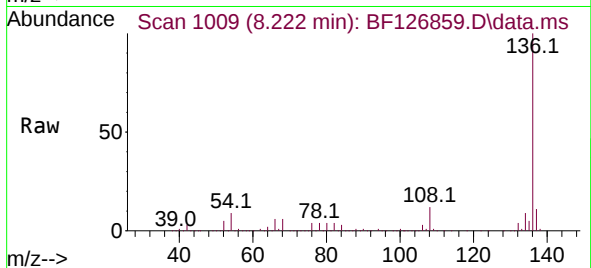
Tgt Ion: 94 Resp: 19318
Ion Ratio Lower Upper
94 100
65 42.8 12.1 52.1
66 75.7 23.6 63.6#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

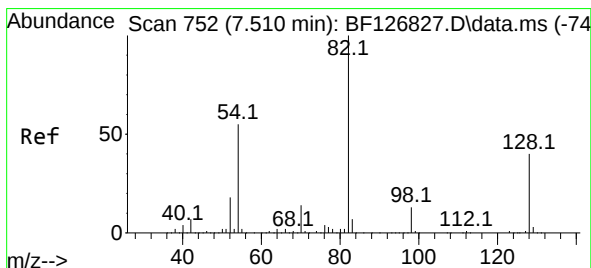
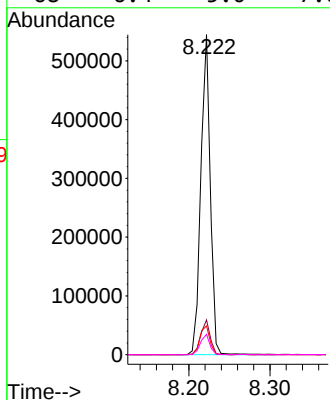
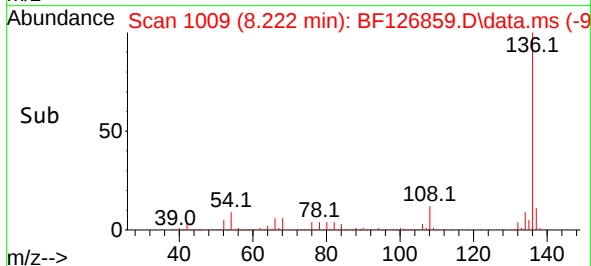
Instrument :
BNA_F
ClientSampleId :
COMP-2



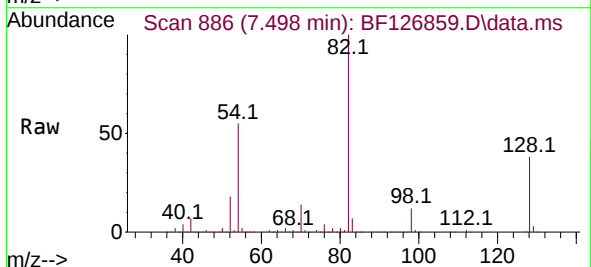
Tgt Ion:136 Resp: 440625
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.0 8.0 12.0
68 6.4 5.0 7.6

Manual Integrations
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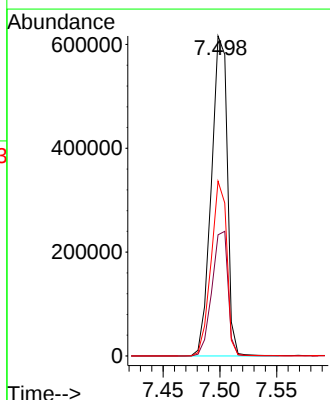
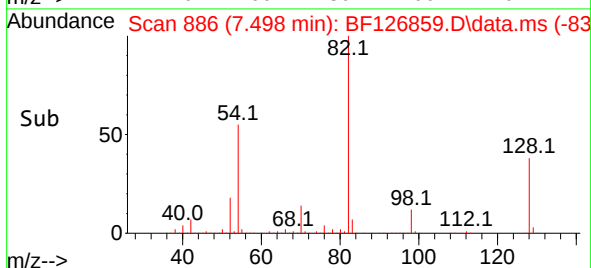
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022

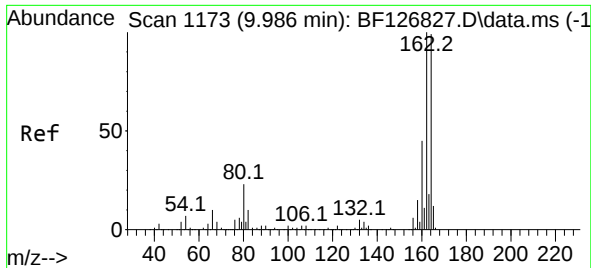


#23
Nitrobenzene-d5
Concen: 63.269 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04



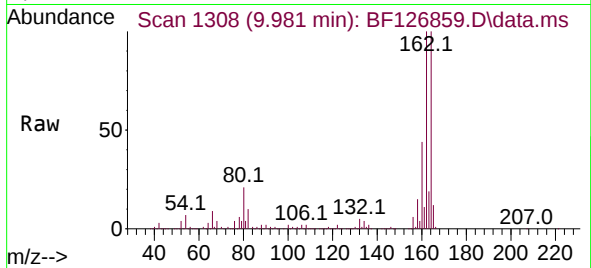
Tgt Ion: 82 Resp: 604206
Ion Ratio Lower Upper
82 100
128 37.8 31.6 47.4
54 54.6 43.7 65.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1173
Delta R.T. -0.005 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

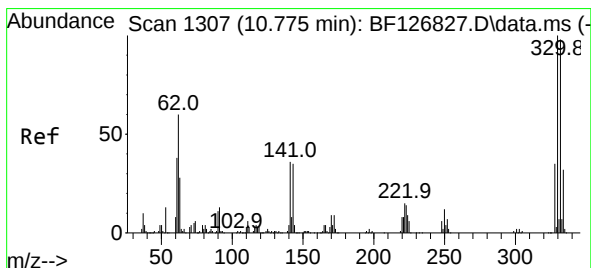
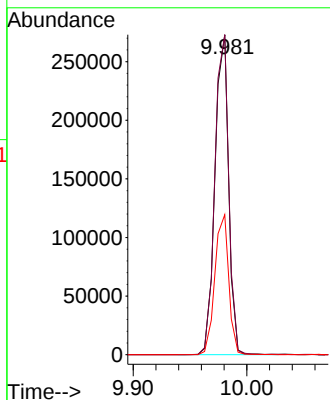
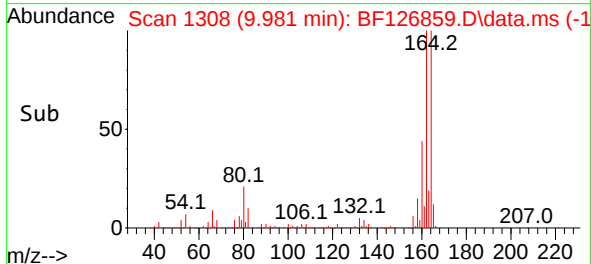
Instrument :
BNA_F
ClientSampleId :
COMP-2



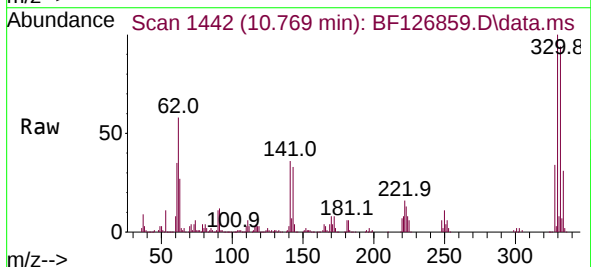
Tgt Ion:164 Resp: 22814
Ion Ratio Lower Upper
164 100
162 100.0 80.9 121.3
160 43.8 36.0 54.0

Manual Integrations
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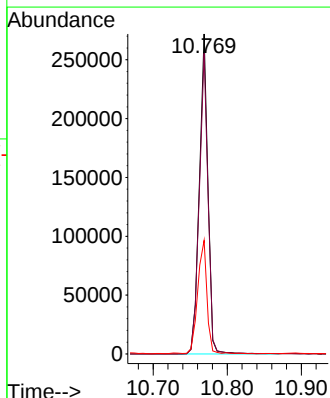
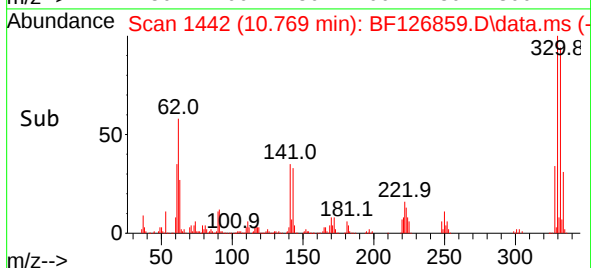
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022

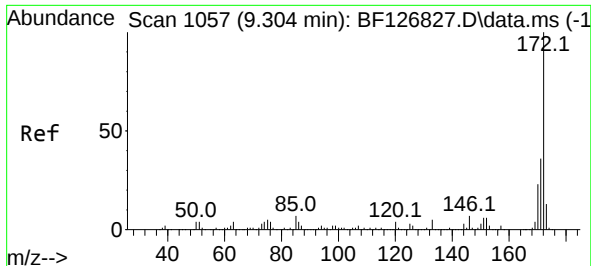


#42
2,4,6-Tribromophenol
Concen: 90.099 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04



Tgt Ion:330 Resp: 220371
Ion Ratio Lower Upper
330 100
332 95.4 78.2 117.4
141 38.0 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 61.257 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF126859.D

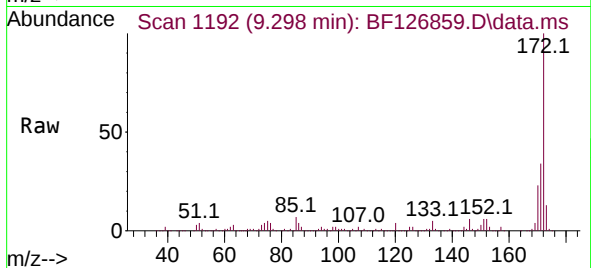
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Instrument :

BNA_F

ClientSampleId :

COMP-2



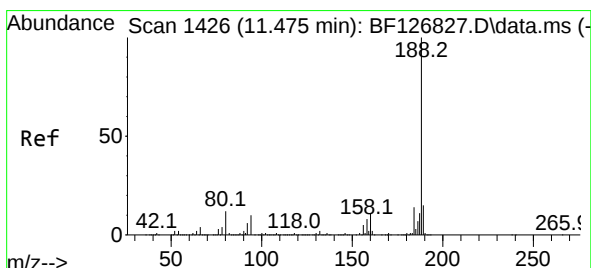
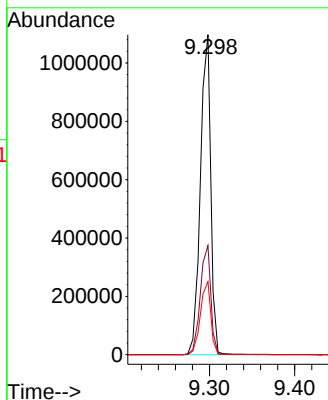
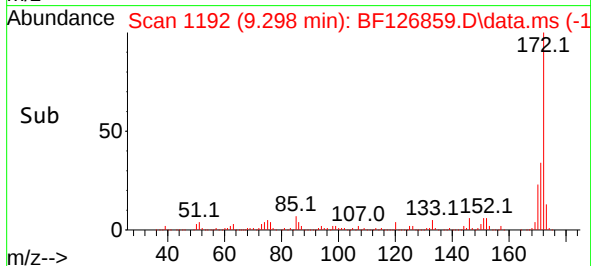
Tgt Ion:172 Resp: 928424

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.5	42.7
170	22.9	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 02/15/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1561

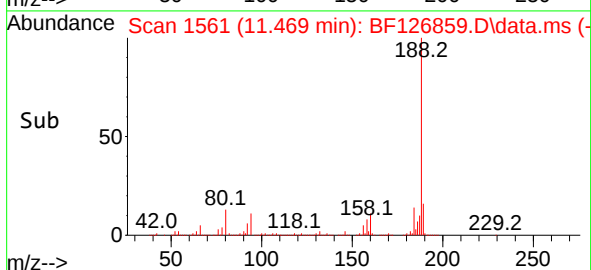
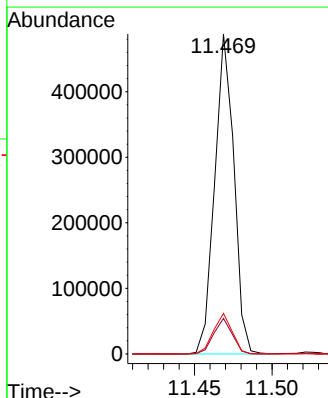
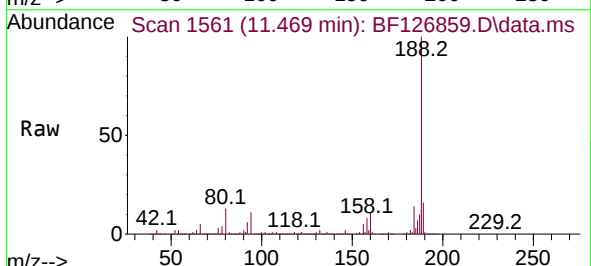
Delta R.T. -0.006 min

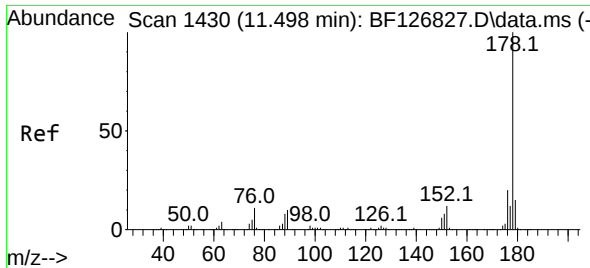
Lab File: BF126859.D

Acq: 11 Feb 2022 16:04

Tgt Ion:188 Resp: 420736

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.1	12.1
80	12.7	9.5	14.3





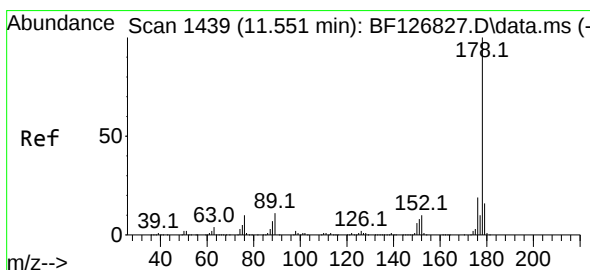
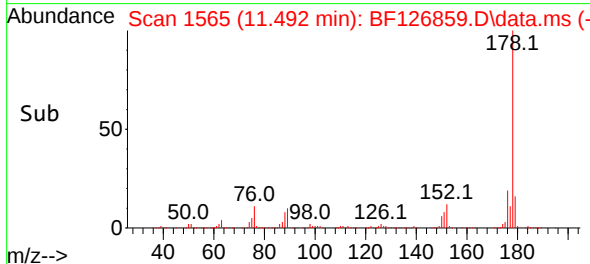
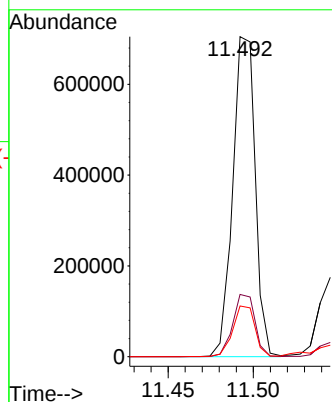
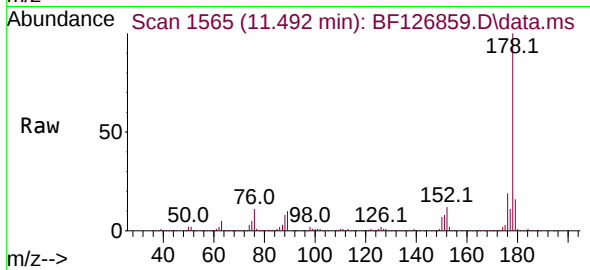
#71
Phenanthrene
Concen: 27.712 ng
RT: 11.492 min Scan# 11574
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:178 Resp: 646049
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.9 12.1 18.1

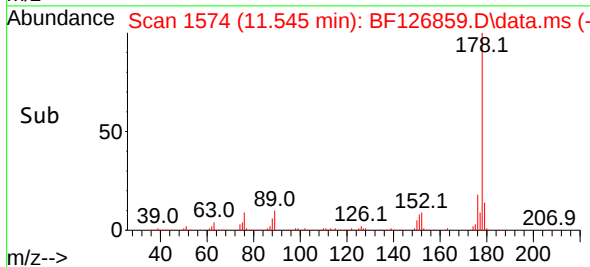
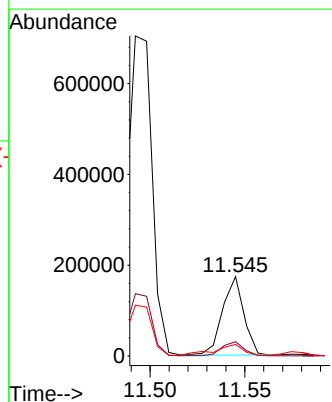
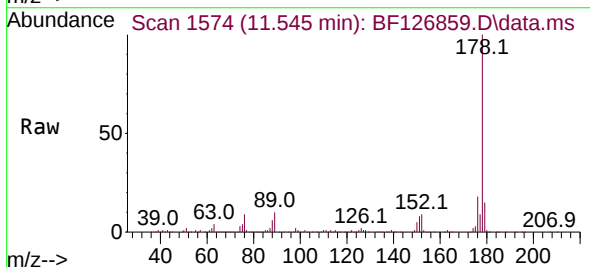
Manual Integrations
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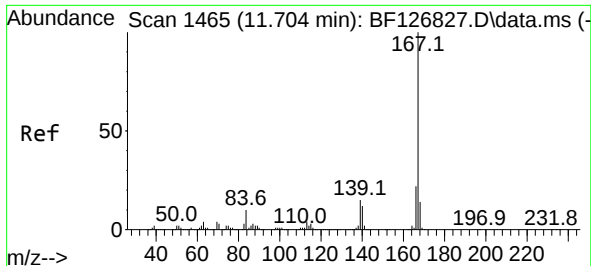
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022



#72
Anthracene
Concen: 5.842 ng
RT: 11.545 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

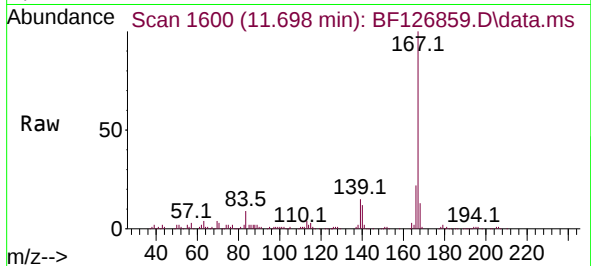
Tgt Ion:178 Resp: 136082
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 14.5 12.5 18.7





#73
 Carbazole
 Concen: 3.533 ng
 RT: 11.698 min Scan# 11698
 Delta R.T. -0.006 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04

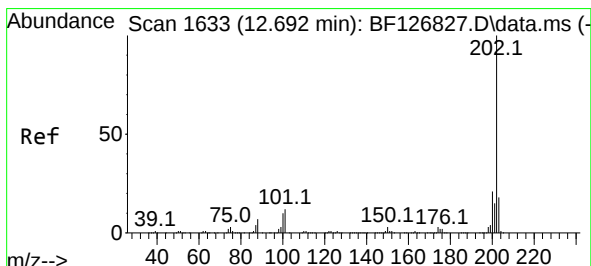
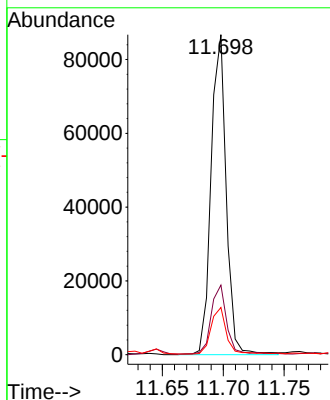
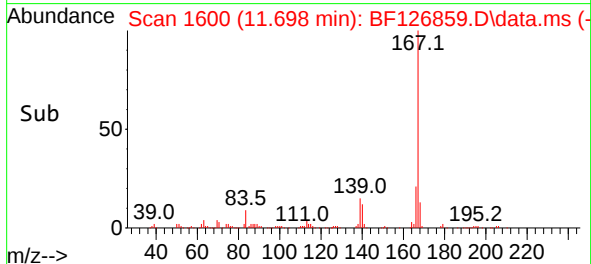
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



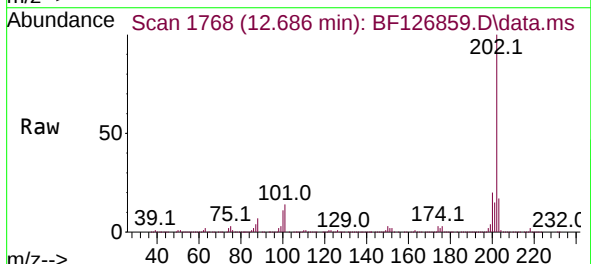
Tgt Ion:167 Resp: 7491
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 14.8 12.2 18.4

Manual Integrations
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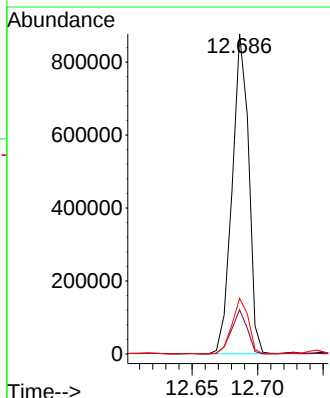
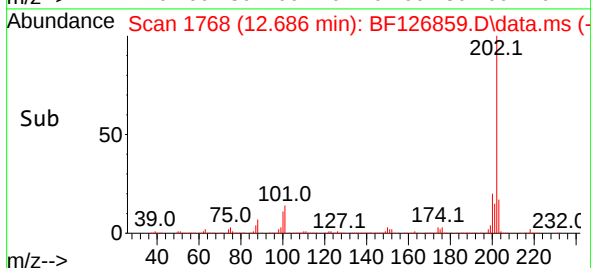
Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :mohammad ahmed 02/15/2022

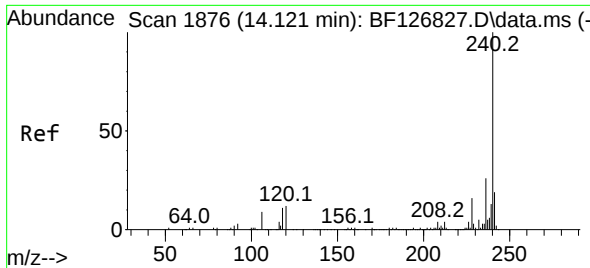


#75
 Fluoranthene
 Concen: 35.206 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. -0.006 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04



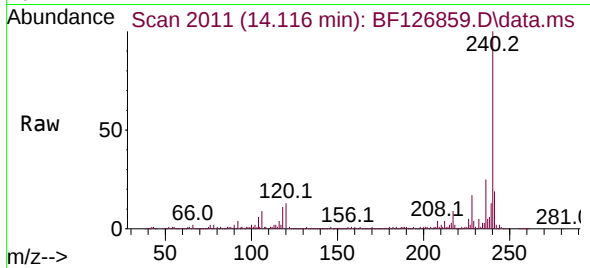
Tgt Ion:202 Resp: 767703
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 32.5
 203 17.4 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

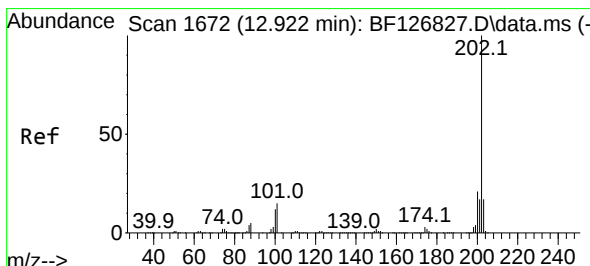
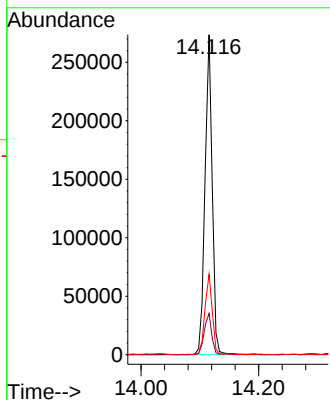
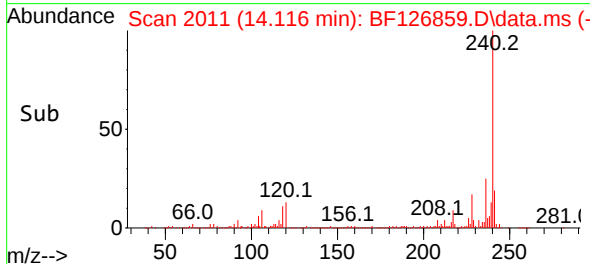
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:240 Resp: 232980
Ion Ratio Lower Upper
240 100
120 12.9 9.8 14.6
236 25.1 20.5 30.7

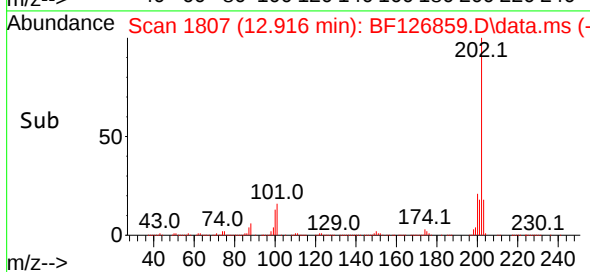
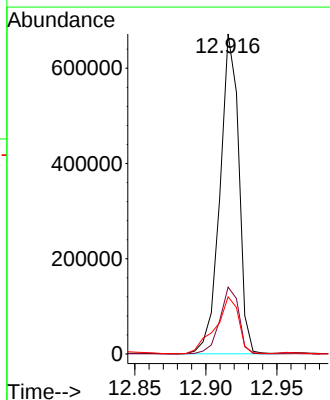
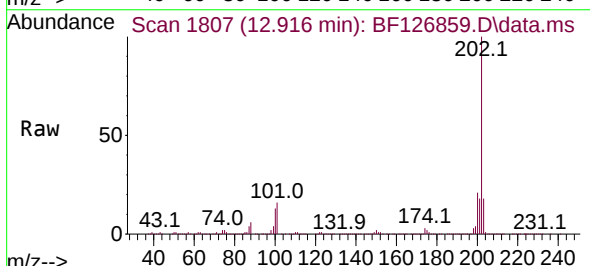
Manual Integrations
APPROVED

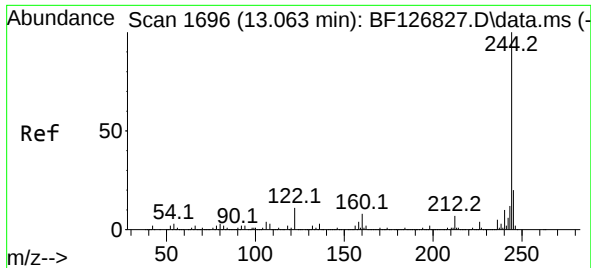
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022



#78
Pyrene
Concen: 29.270 ng
RT: 12.916 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

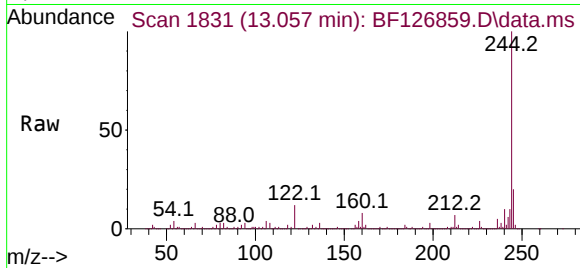
Tgt Ion:202 Resp: 618935
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.9 13.9 20.9





#79
 Terphenyl-d14
 Concen: 63.693 ng
 RT: 13.057 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04

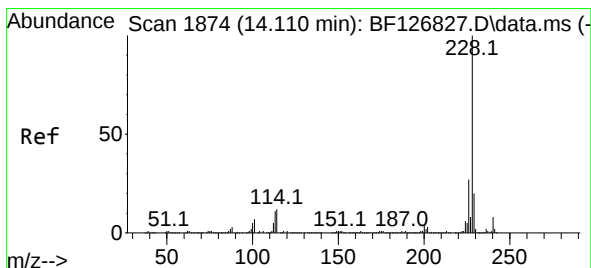
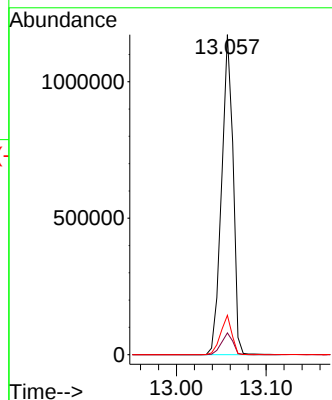
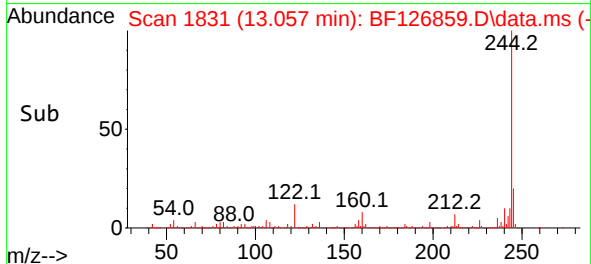
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



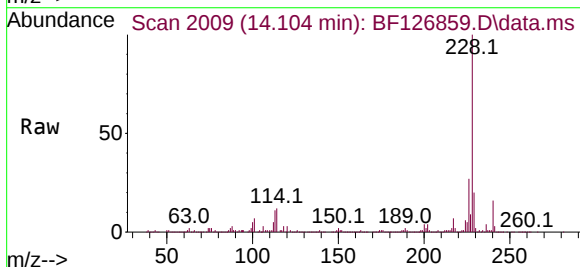
Tgt Ion:244 Resp: 1035110
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.3 9.0 13.6

Manual Integrations
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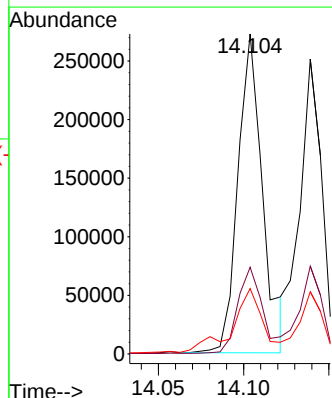
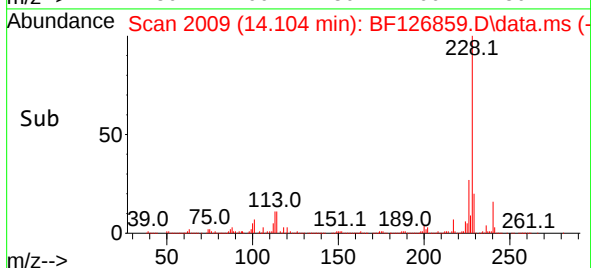
Reviewed By :Jagrut Upadhyay 02/15/2022
 Supervised By :mohammad ahmed 02/15/2022

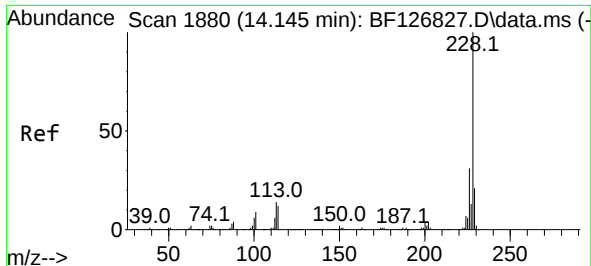


#81
 Benzo(a)anthracene
 Concen: 17.285 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.006 min
 Lab File: BF126859.D
 Acq: 11 Feb 2022 16:04



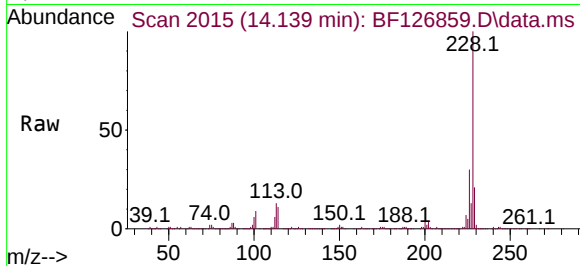
Tgt Ion:228 Resp: 272817
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.4 32.2
 229 20.5 16.0 24.0





#83
Chrysene
Concen: 15.271 ng
RT: 14.139 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

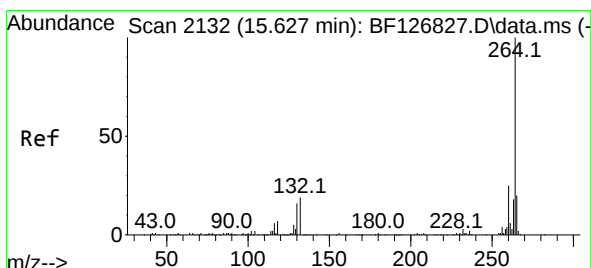
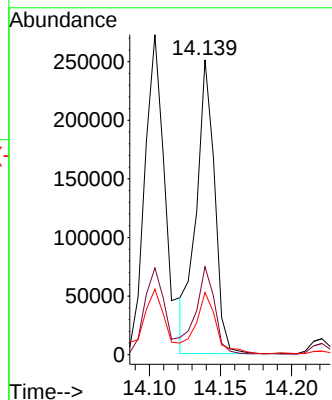
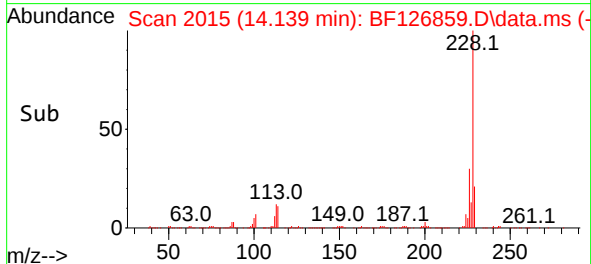
Instrument :
BNA_F
ClientSampleId :
COMP-2



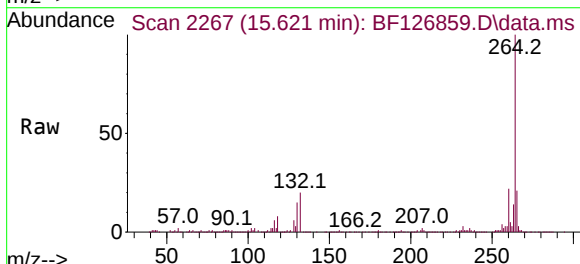
Tgt Ion:228 Resp: 22632
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 21.1 16.4 24.6

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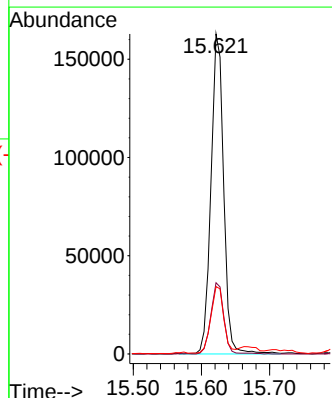
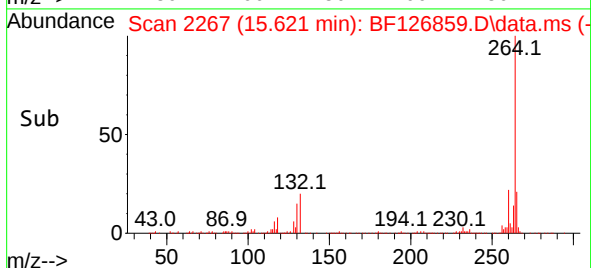
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022

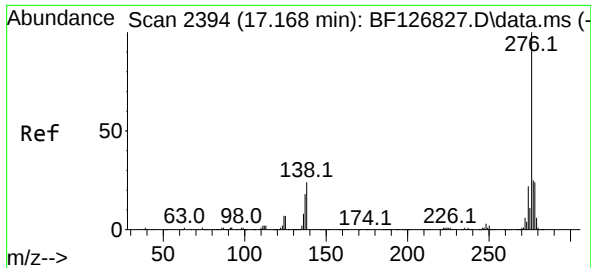


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04



Tgt Ion:264 Resp: 211456
Ion Ratio Lower Upper
264 100
260 22.3 19.6 29.4
265 21.0 15.9 23.9





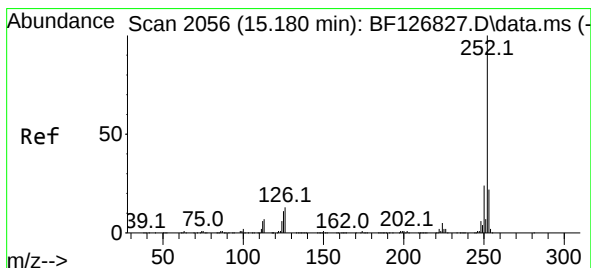
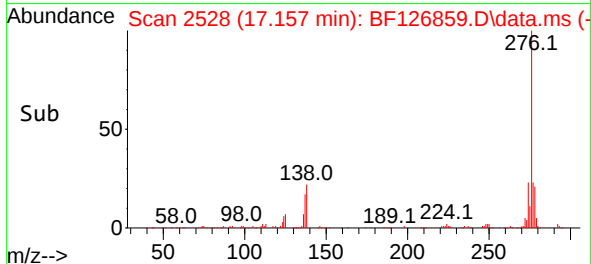
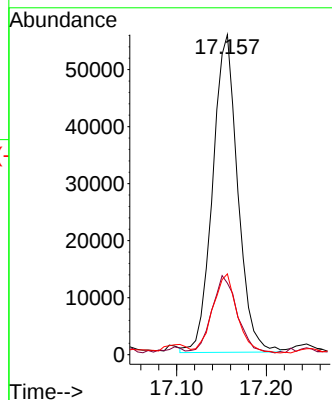
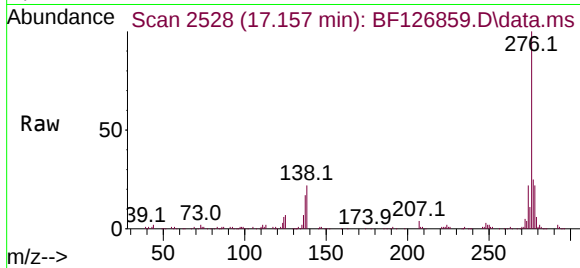
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.176 ng
RT: 17.157 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:276 Resp: 10818
Ion Ratio Lower Upper
276 100
138 24.6 22.6 33.8
277 24.4 20.1 30.1

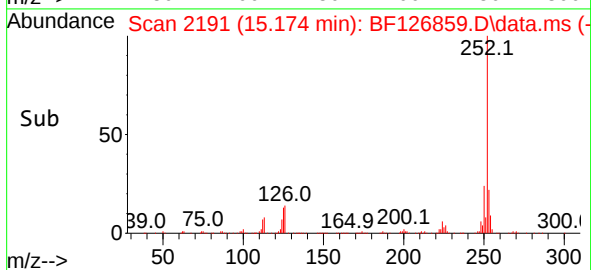
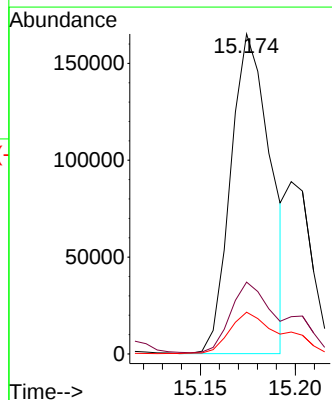
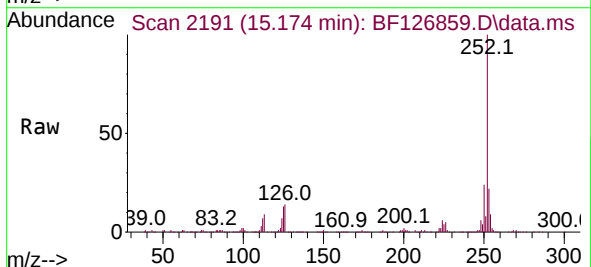
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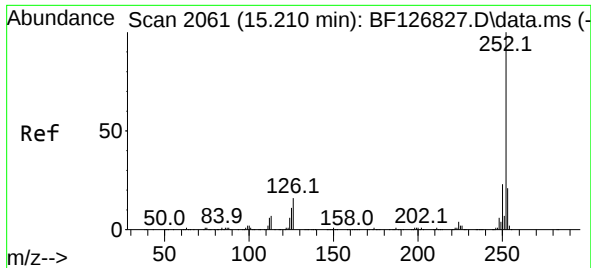
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022



#88
Benzo(b)fluoranthene
Concen: 17.854 ng m
RT: 15.174 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Tgt Ion:252 Resp: 241171
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 13.0 8.9 13.3





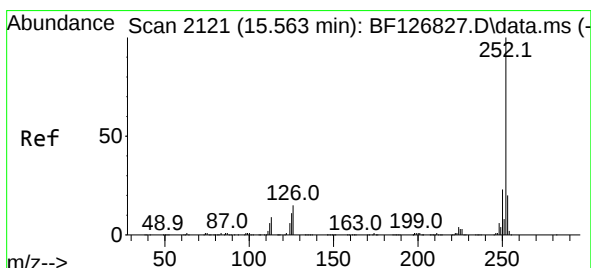
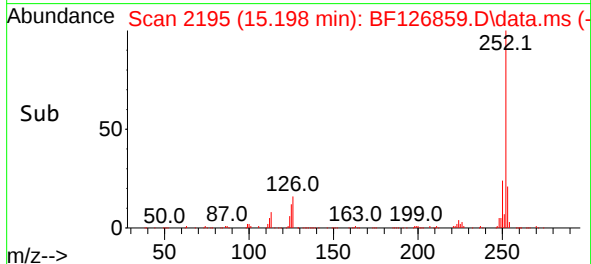
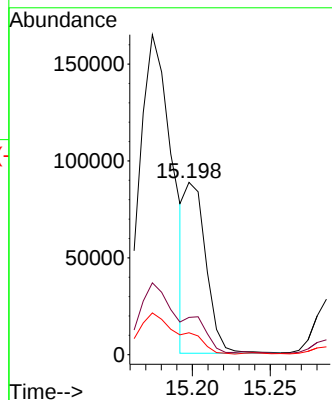
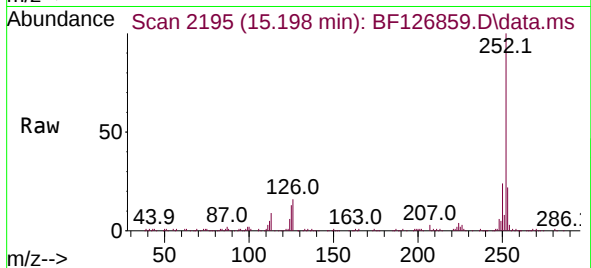
#89
Benzo(k)fluoranthene
Concen: 5.883 ng m
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 82039
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 12.7 8.8 13.2

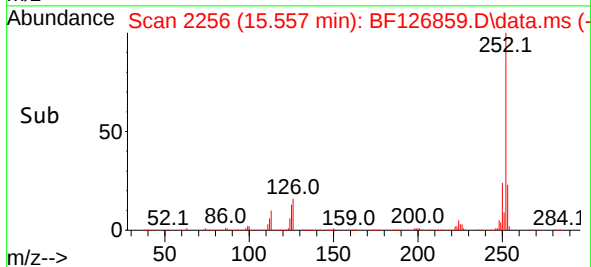
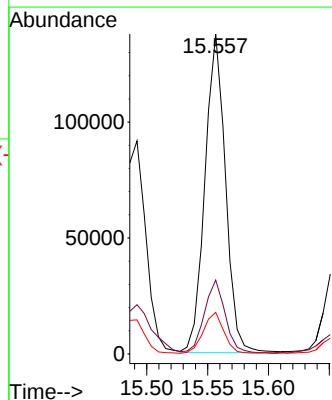
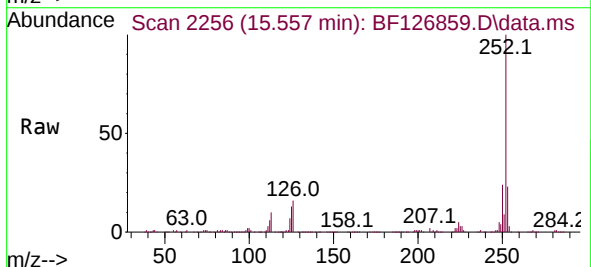
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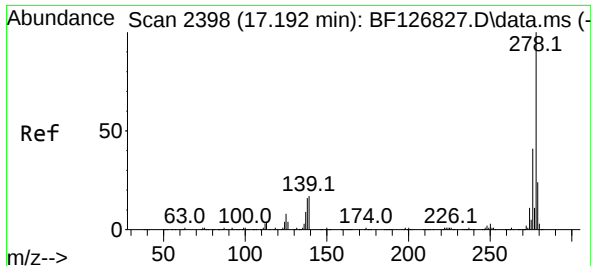
Reviewed By :Jagrut Upadhyay 02/15/2022
Supervised By :mohammad ahmed 02/15/2022



#90
Benzo(a)pyrene
Concen: 14.630 ng
RT: 15.557 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

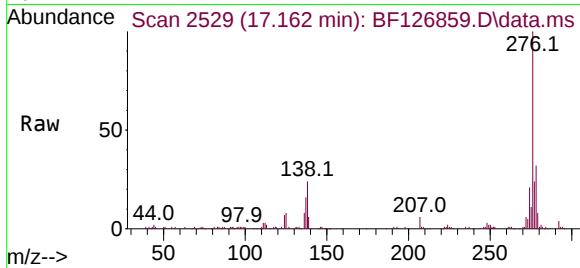
Tgt Ion:252 Resp: 161257
Ion Ratio Lower Upper
252 100
253 23.1 16.4 24.6
125 13.0 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 2.486 ng
RT: 17.162 min Scan# 2113
Delta R.T. -0.029 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04

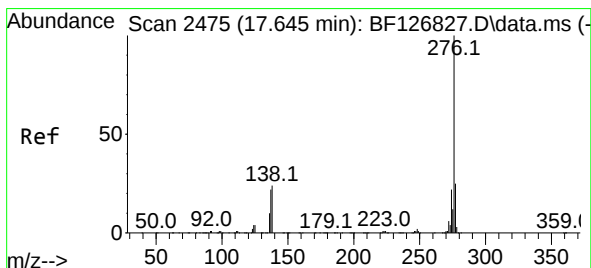
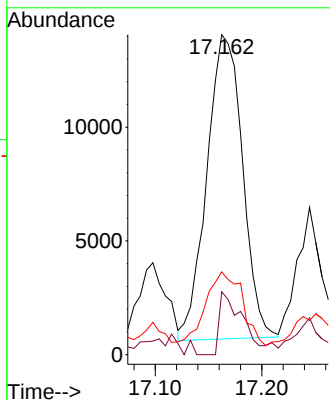
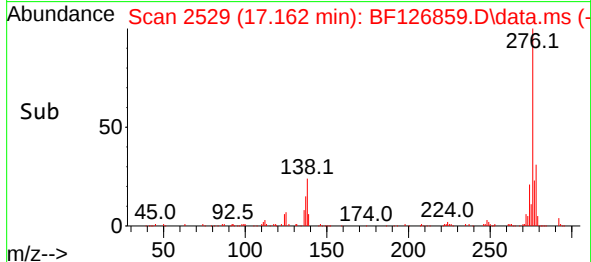
Instrument :
BNA_F
ClientSampleId :
COMP-2



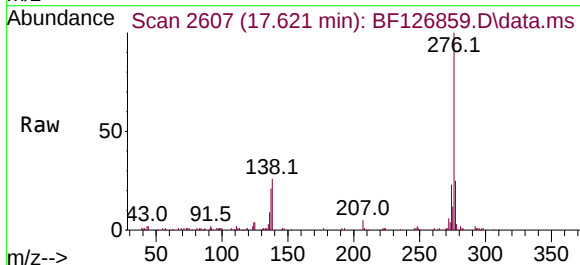
Tgt Ion: 278 Resp: 3113
Ion Ratio Lower Upper
278 100
139 19.6 13.8 20.6
279 25.9 19.4 29.2

Manual Integrations
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Supervised By :mohammad ahmed 02/15/2022



#92
Benzo(g,h,i)perylene
Concen: 7.740 ng
RT: 17.621 min Scan# 2607
Delta R.T. -0.024 min
Lab File: BF126859.D
Acq: 11 Feb 2022 16:04



Tgt Ion: 276 Resp: 96412
Ion Ratio Lower Upper
276 100
277 24.9 19.8 29.8
138 26.2 19.6 29.4

