

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136435.D
 Acq On : 06 Dec 2023 18:48
 Operator : CG\JU
 Sample : 05463-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-11162023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

Quant Time: Dec 07 00:54:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	79459	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	258424	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	110828	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	216217	20.000	ng	0.00
76) Chrysene-d12	13.974	240	148487	20.000	ng	0.00
86) Perylene-d12	15.457	264	123152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	571892	106.292	ng	0.00
7) Phenol-d6	6.434	99	651082	96.990	ng	-0.01
23) Nitrobenzene-d5	7.357	82	367051	76.784	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	144771	105.942	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	617318	76.003	ng	-0.01
79) Terphenyl-d14	12.916	244	800687	71.073	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	92300	7.767	ng	97
72) Anthracene	11.398	178	25271	2.111	ng	99
75) Fluoranthene	12.539	202	207171	16.635	ng	99
78) Pyrene	12.769	202	184327	12.675	ng	98
81) Benzo(a)anthracene	13.963	228	85496	8.266	ng	98
83) Chrysene	13.998	228	72369m	7.112	ng	
87) Indeno(1,2,3-cd)pyrene	16.951	276	32546	3.804	ng	98
88) Benzo(b)fluoranthene	15.021	252	84218m	10.002	ng	
89) Benzo(k)fluoranthene	15.045	252	23301m	2.936	ng	
90) Benzo(a)pyrene	15.386	252	55680	8.007	ng	# 93
92) Benzo(g,h,i)perylene	17.409	276	33467	4.652	ng	100

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

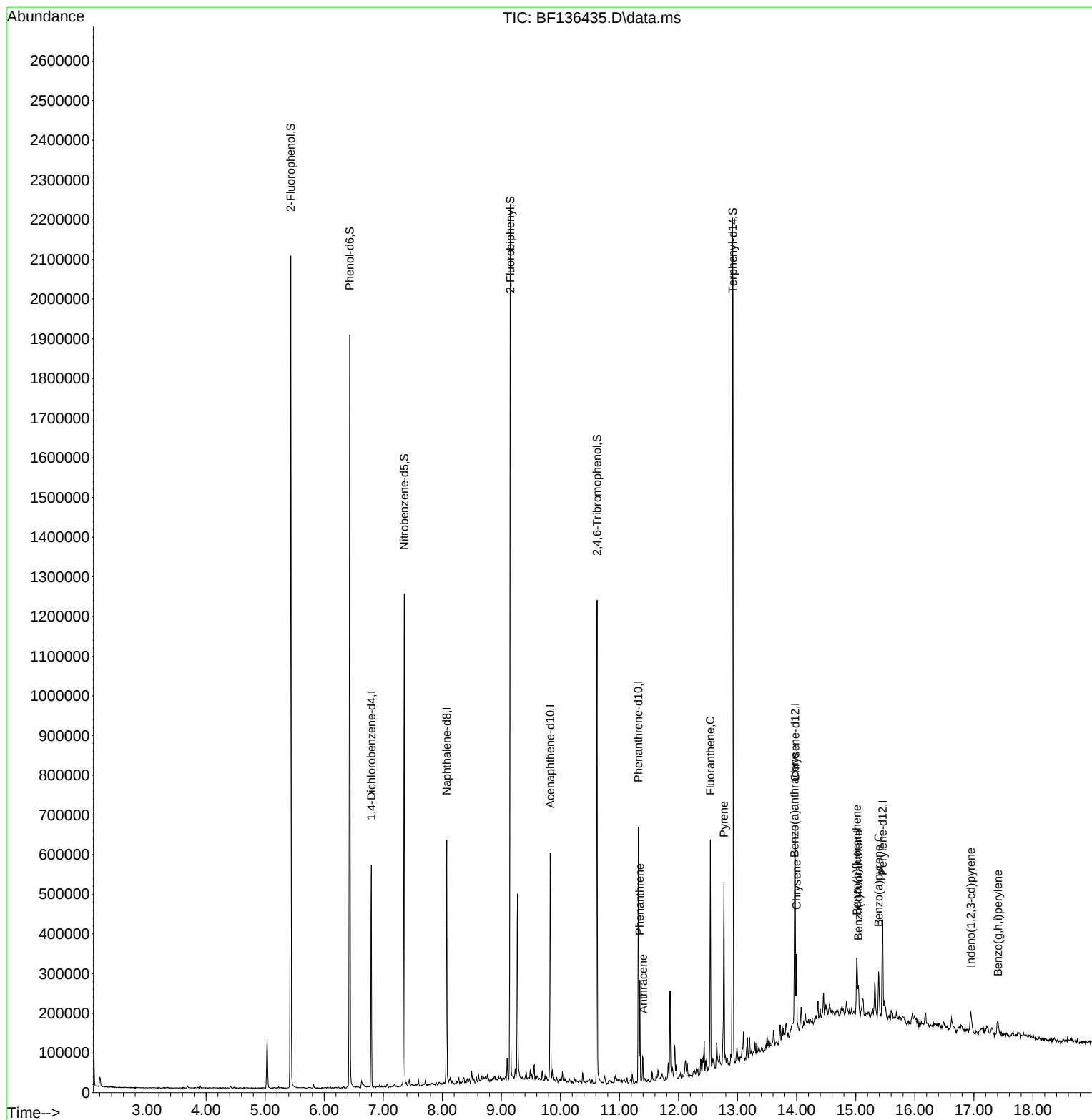
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136435.D
Acq On : 06 Dec 2023 18:48
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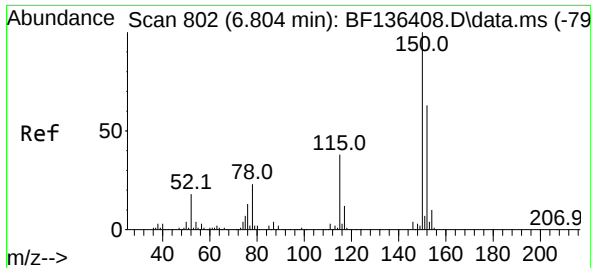
Instrument :
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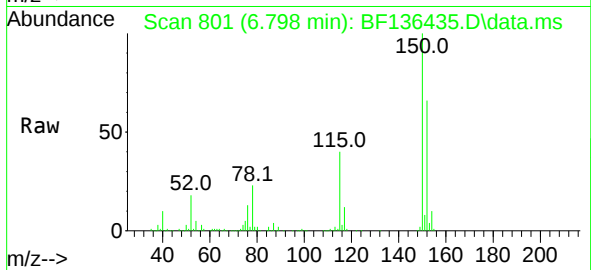
Quant Time: Dec 07 00:54:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

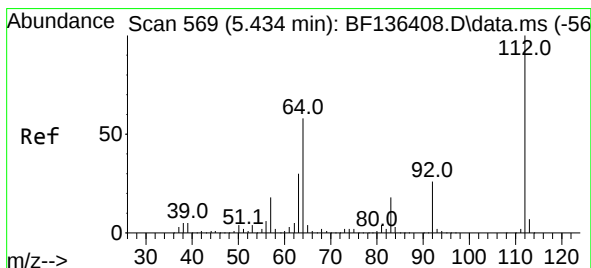
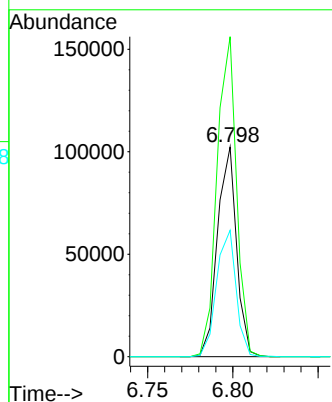
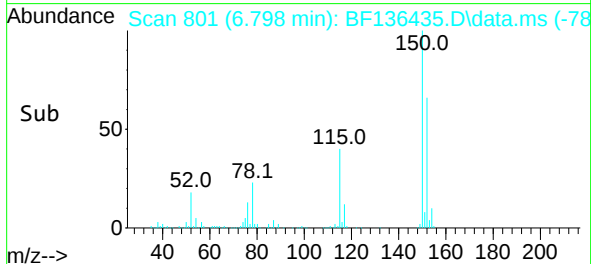
Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



Tgt Ion:152 Resp: 79458
Ion Ratio Lower Upper
152 100
150 152.6 126.4 189.6
115 60.3 48.2 72.4

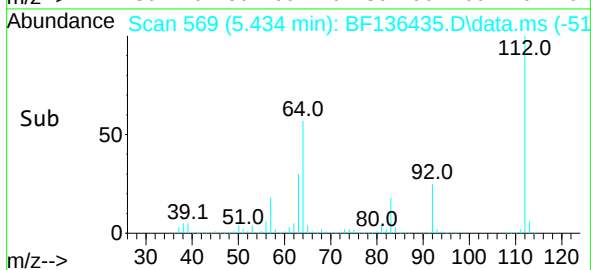
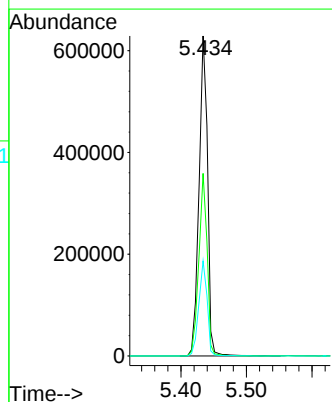
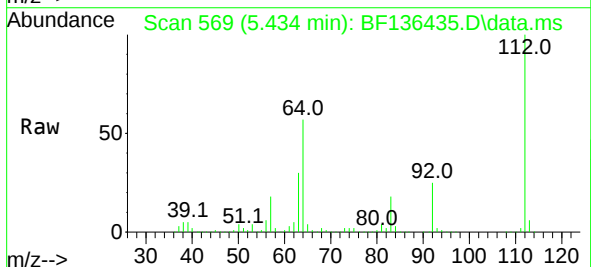
Manual Integrations
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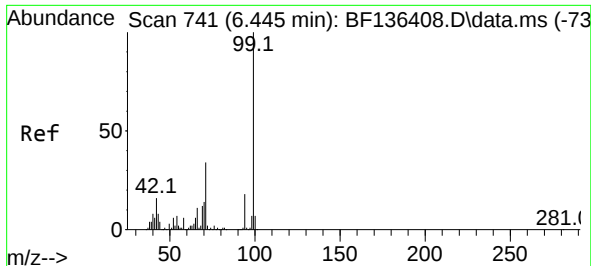
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#5
2-Fluorophenol
Concen: 106.292 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

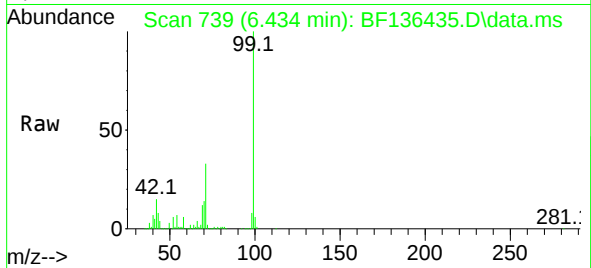
Tgt Ion:112 Resp: 571892
Ion Ratio Lower Upper
112 100
64 57.0 46.5 69.7
63 29.7 23.9 35.9





#7
Phenol-d6
Concen: 96.990 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

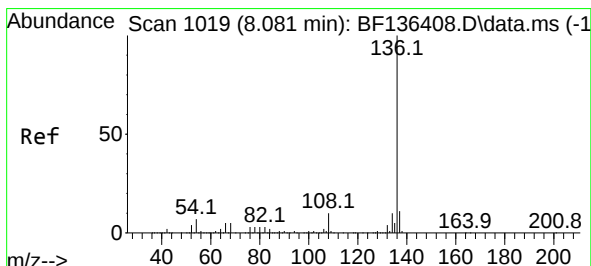
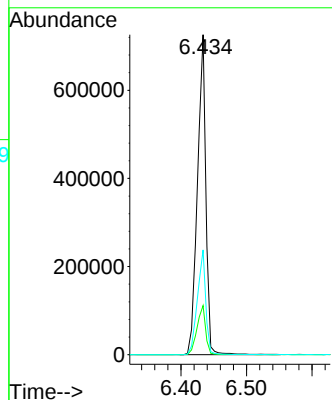
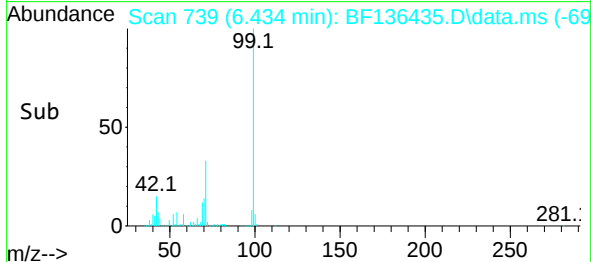
Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



Tgt Ion: 99 Resp: 65108
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 32.7 27.0 40.4

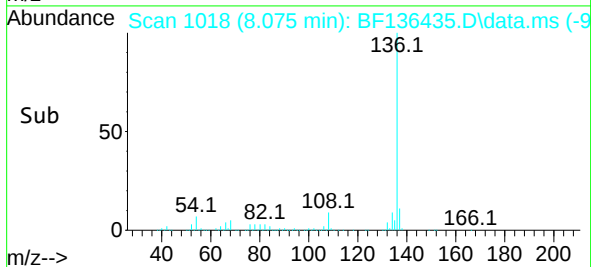
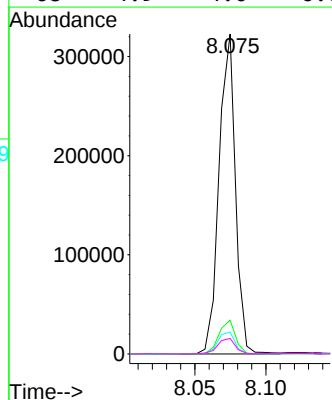
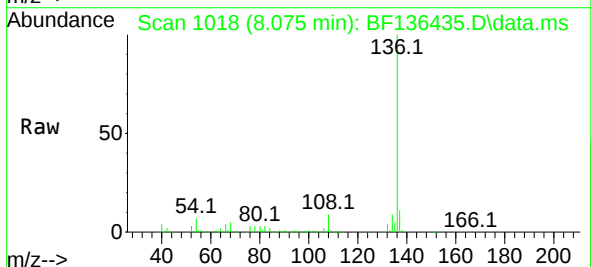
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:136 Resp: 258424
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.9 5.7 8.5
68 4.9 4.0 6.0





#23

Nitrobenzene-d5

Concen: 76.784 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

Tgt Ion: 82 Resp: 36705

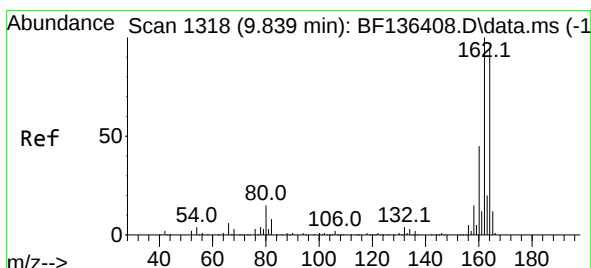
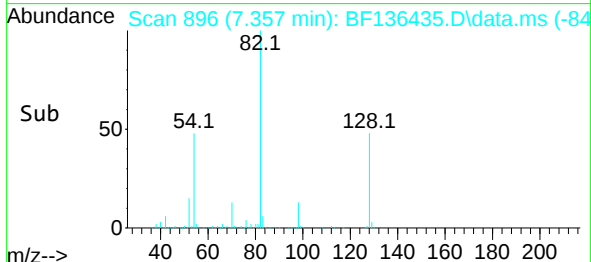
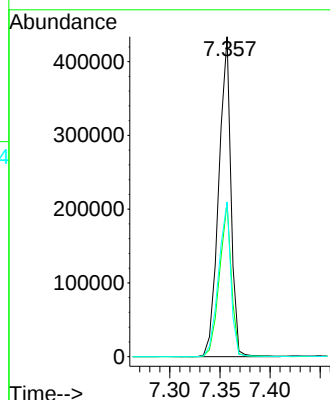
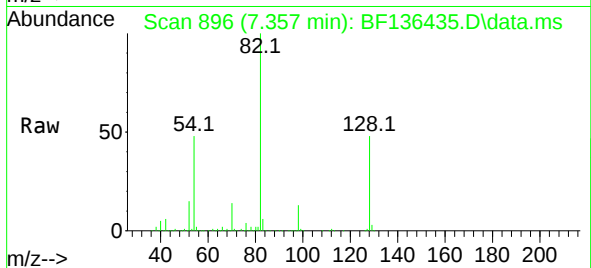
Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.3	54.5
54	48.4	39.0	58.6

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Supervised By :mohammad ahmed 12/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

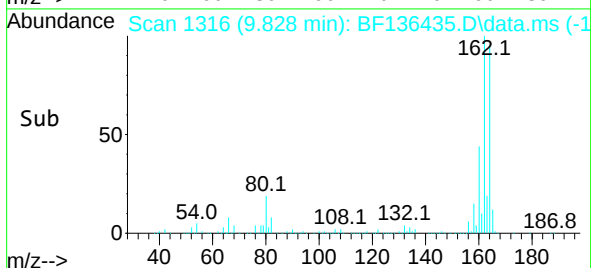
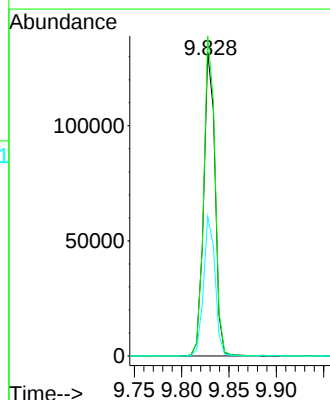
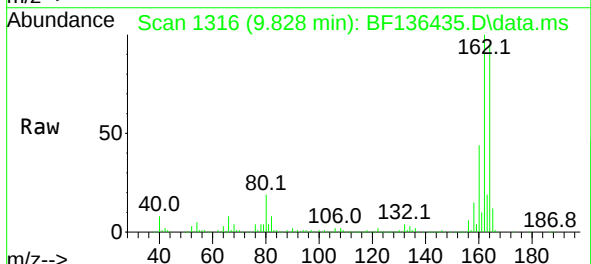
Delta R.T. -0.012 min

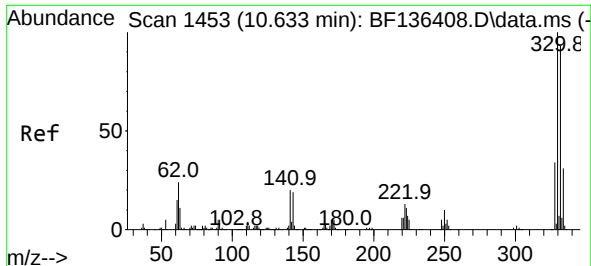
Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Tgt Ion:164 Resp: 110828

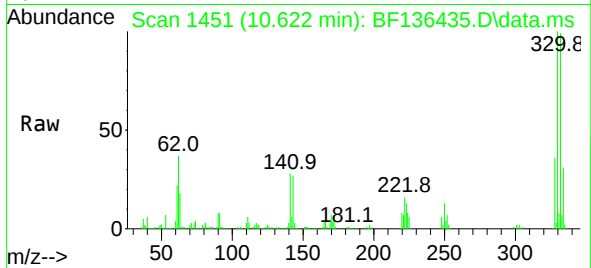
Ion	Ratio	Lower	Upper
164	100		
162	105.4	84.4	126.6
160	45.9	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 105.942 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

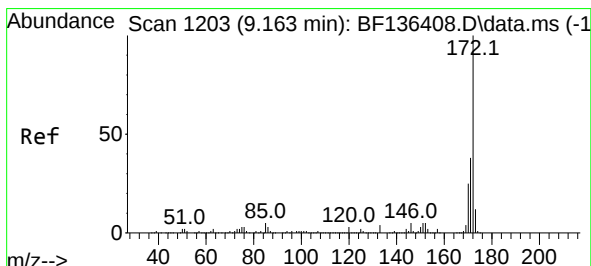
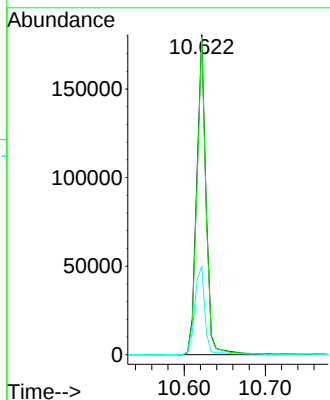
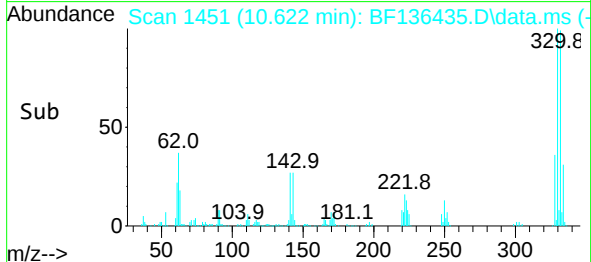
Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



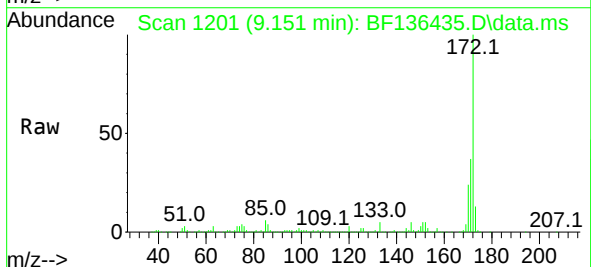
Tgt Ion:330 Resp: 144772
Ion Ratio Lower Upper
330 100
332 97.2 76.4 114.6
141 30.6 23.4 35.2

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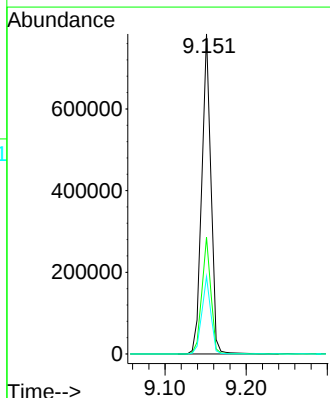
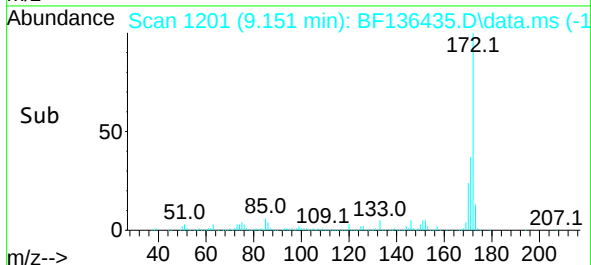
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#45
2-Fluorobiphenyl
Concen: 76.003 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48



Tgt Ion:172 Resp: 617318
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 24.2 19.9 29.9





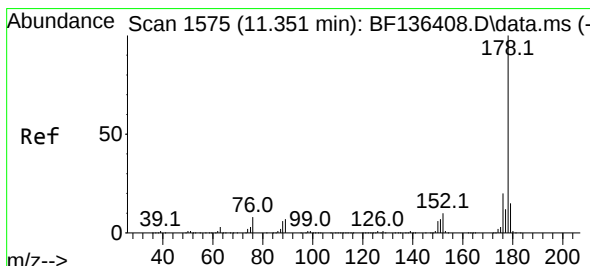
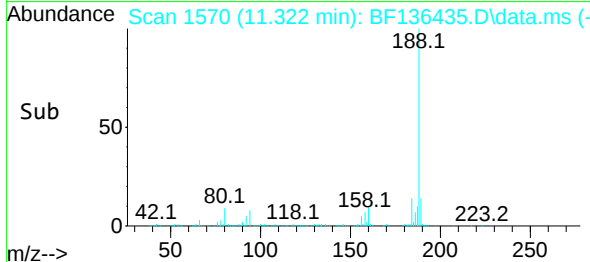
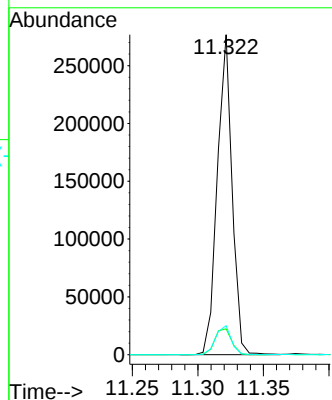
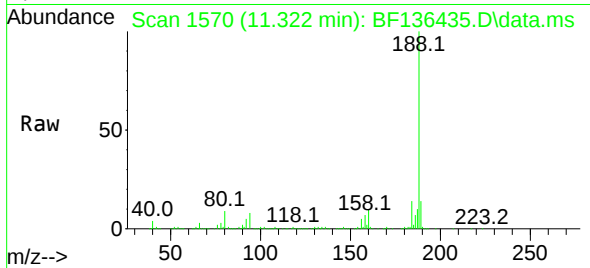
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Instrument :
BNA_F
ClientSampleId :
NB-08-11162023

Tgt Ion:188 Resp: 21621
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 9.1 7.2 10.8

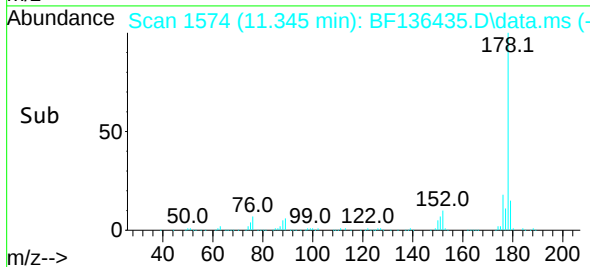
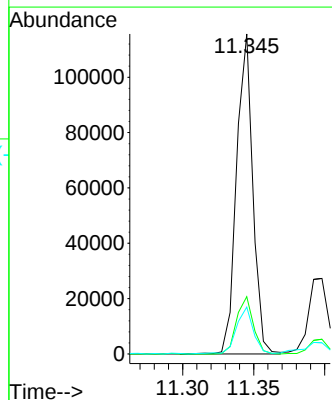
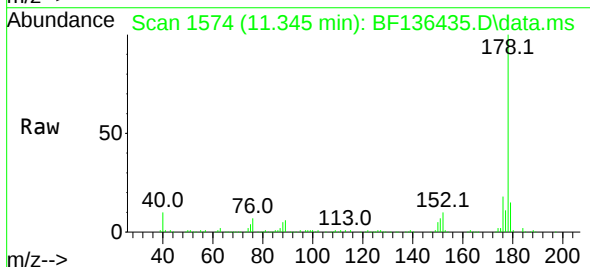
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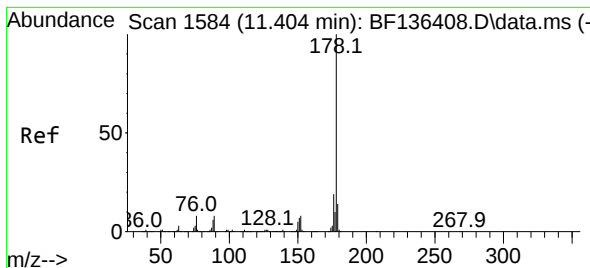
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#71
Phenanthrene
Concen: 7.767 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:178 Resp: 92300
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 14.6 11.8 17.6





#72

Anthracene

Concen: 2.111 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

Tgt Ion:178 Resp: 2527

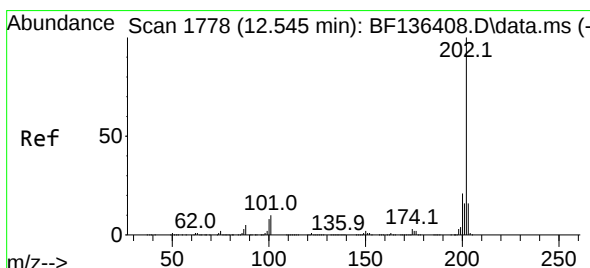
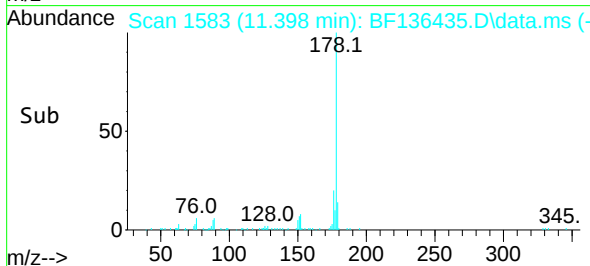
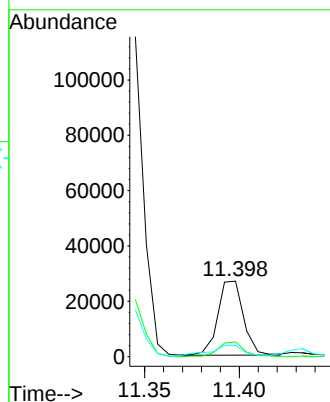
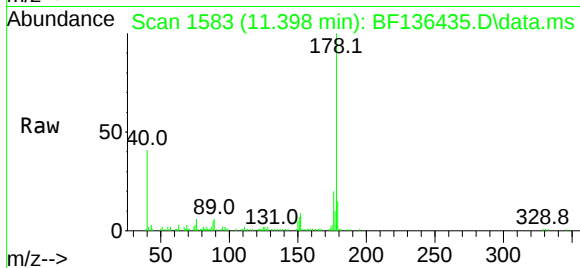
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	14.8	11.4	17.0

Manual Integrations

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Supervised By :mohammad ahmed 12/07/2023



#75

Fluoranthene

Concen: 16.635 ng

RT: 12.539 min Scan# 1777

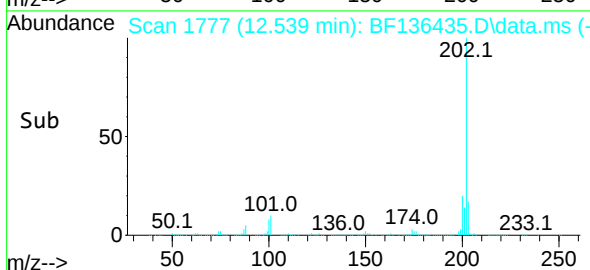
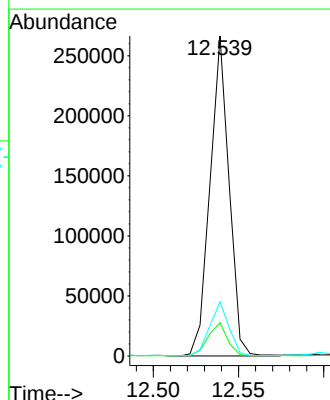
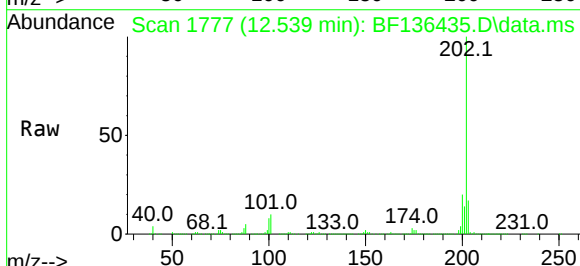
Delta R.T. -0.006 min

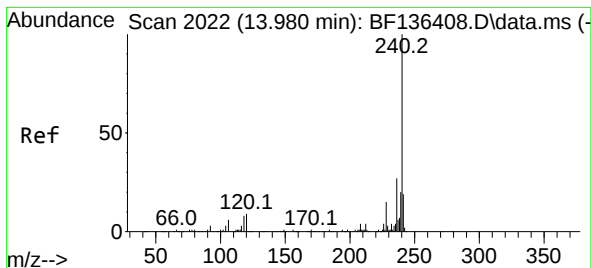
Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Tgt Ion:202 Resp: 207171

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.9
203	16.9	0.0	36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

Tgt Ion:240 Resp: 14848

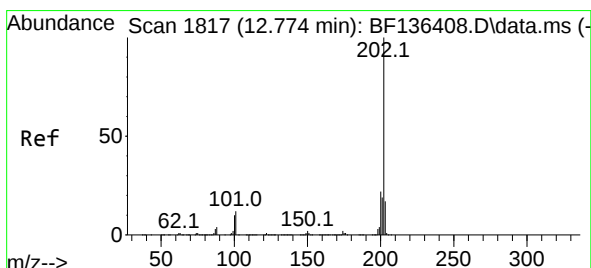
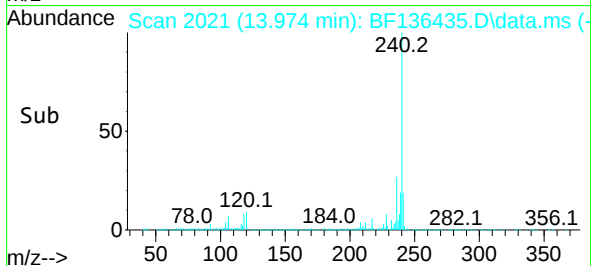
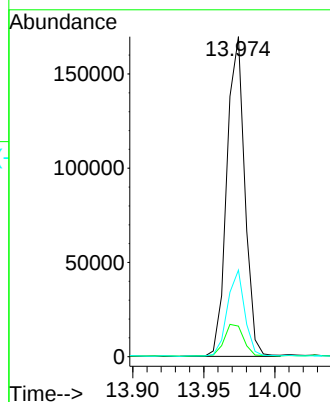
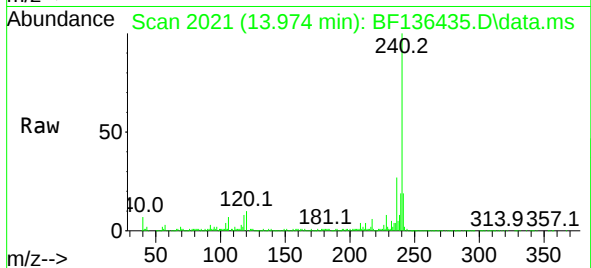
Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.3	10.9
236	27.1	21.3	31.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#78

Pyrene

Concen: 12.675 ng

RT: 12.769 min Scan# 1816

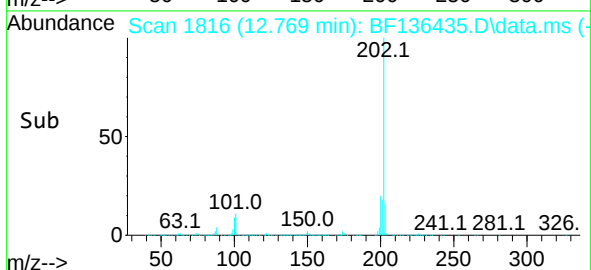
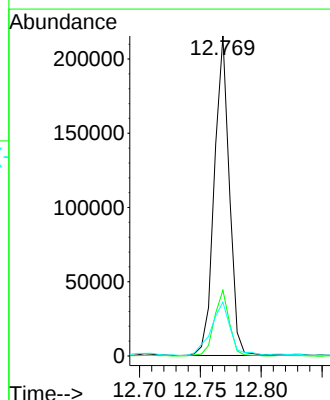
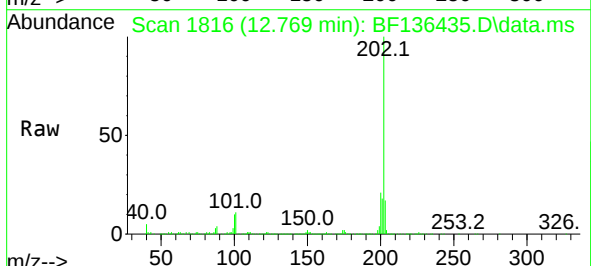
Delta R.T. -0.006 min

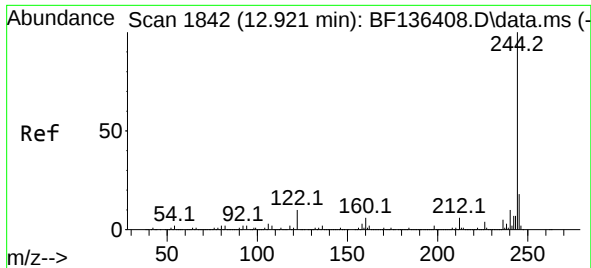
Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Tgt Ion:202 Resp: 184327

Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.0	27.0
203	16.8	13.5	20.3





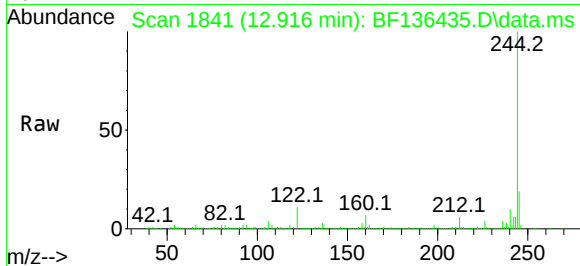
#79
 Terphenyl-d14
 Concen: 71.073 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136435.D
 Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023



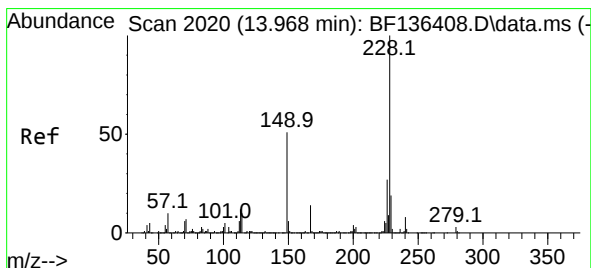
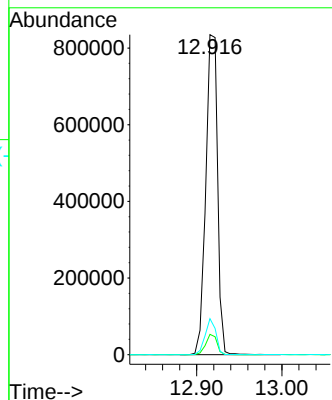
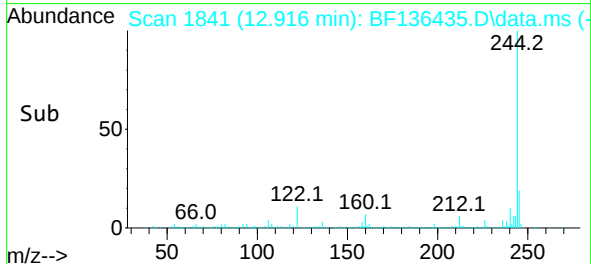
Tgt Ion:244 Resp: 80068
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 11.2 8.3 12.5

Manual Integrations

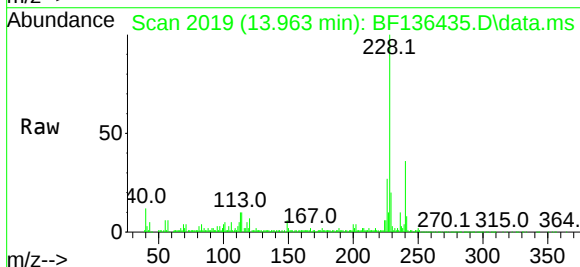
APPROVED

Reviewed By :Yogesh Patel 12/07/2023

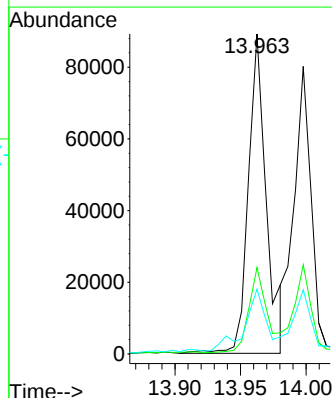
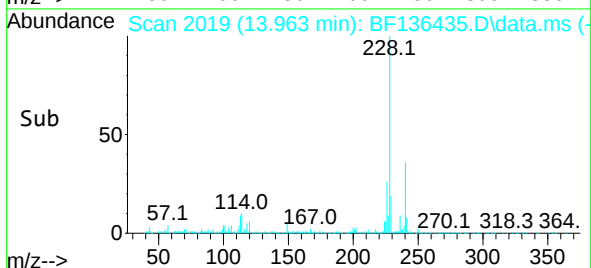
Supervised By :mohammad ahmed 12/07/2023

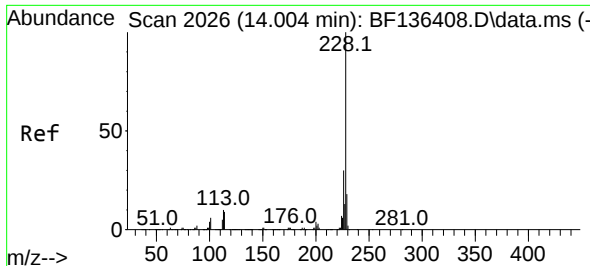


#81
 Benzo(a)anthracene
 Concen: 8.266 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136435.D
 Acq: 06 Dec 2023 18:48



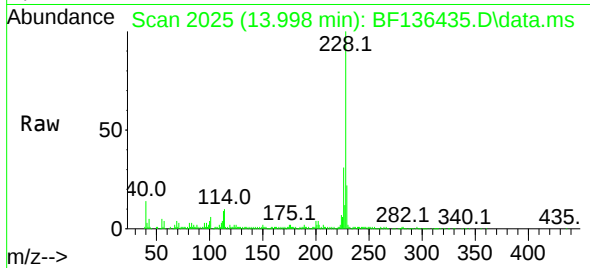
Tgt Ion:228 Resp: 85496
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.8 32.8
 229 20.3 15.0 22.4





#83
Chrysene
Concen: 7.112 ng m
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

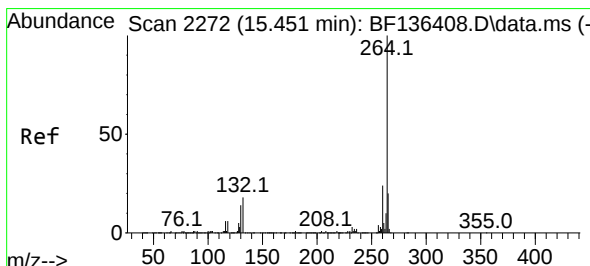
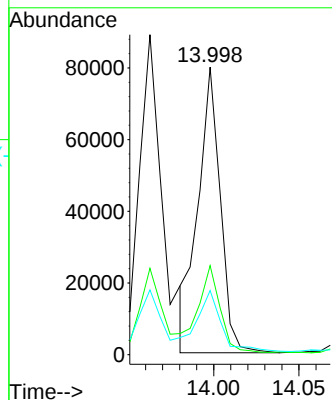
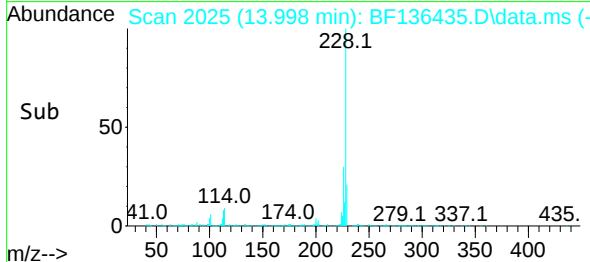
Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



Tgt Ion:228 Resp: 72369
Ion Ratio Lower Upper
228 100
226 31.0 23.8 35.6
229 22.3 14.8 22.2

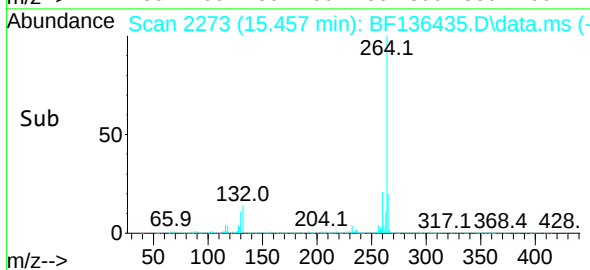
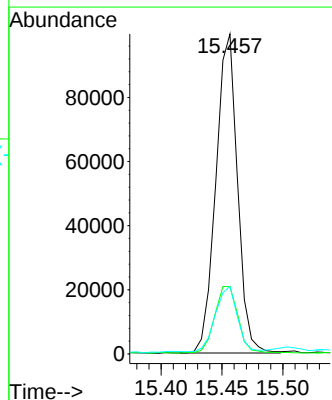
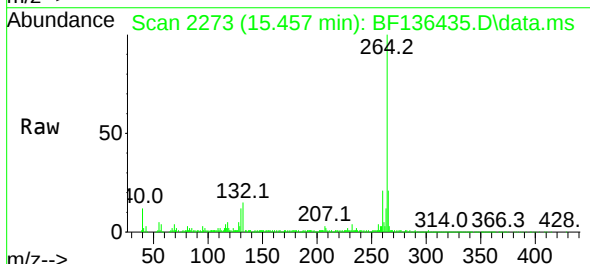
Manual Integrations
APPROVED

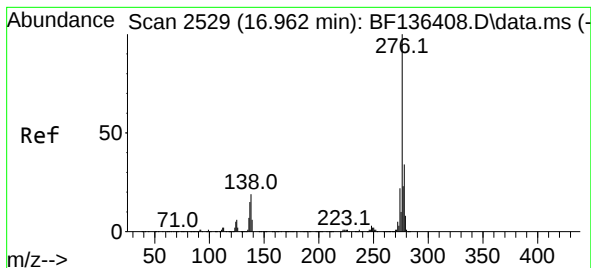
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Tgt Ion:264 Resp: 123152
Ion Ratio Lower Upper
264 100
260 21.0 19.2 28.8
265 21.1 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.804 ng

RT: 16.951 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

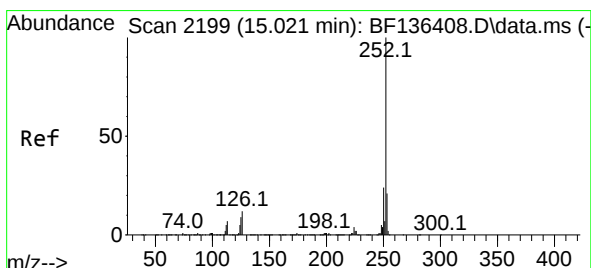
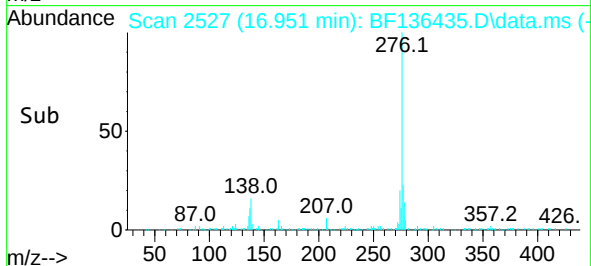
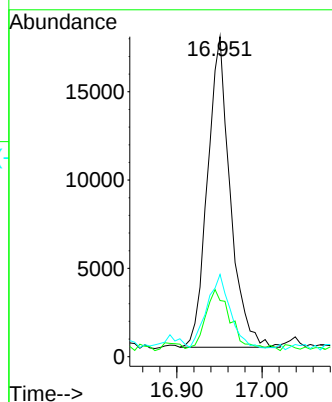
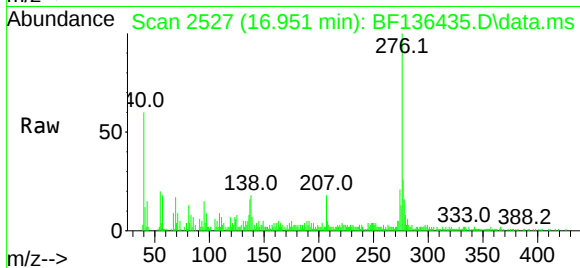
Tgt Ion:	276	Resp:	32540
Ion Ratio	Lower	Upper	
276	100		
138	22.5	19.0	28.4
277	25.5	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#88

Benzo(b)fluoranthene

Concen: 10.002 ng m

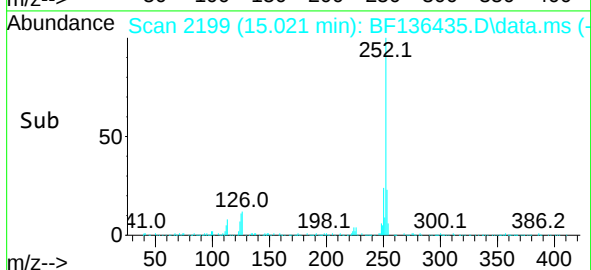
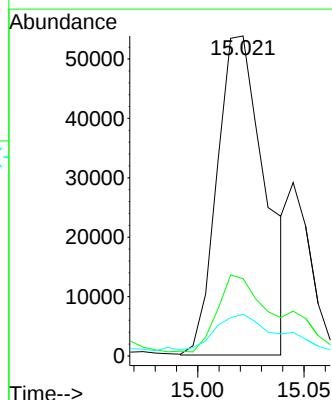
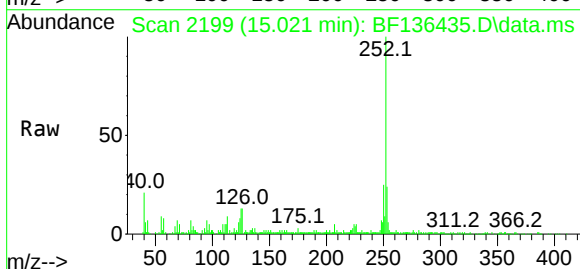
RT: 15.021 min Scan# 2199

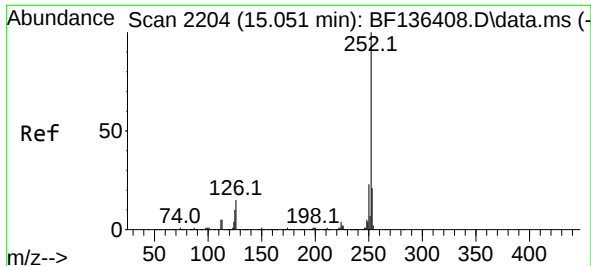
Delta R.T. -0.000 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Tgt Ion:	252	Resp:	84218
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.9	25.3
125	13.0	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 2.936 ng m

RT: 15.045 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

Instrument :

BNA_F

ClientSampleId :

NB-08-11162023

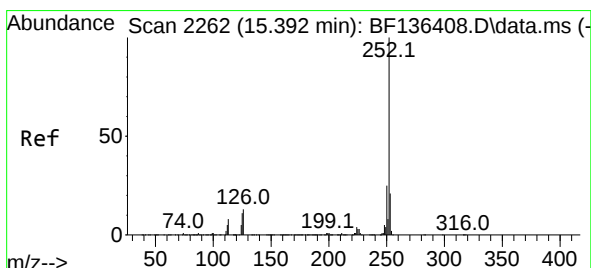
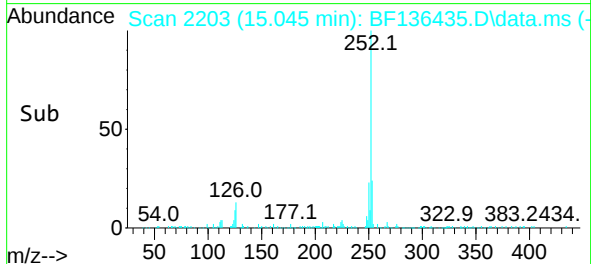
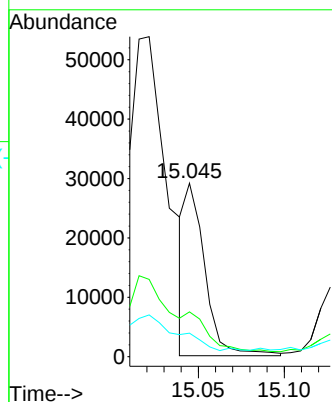
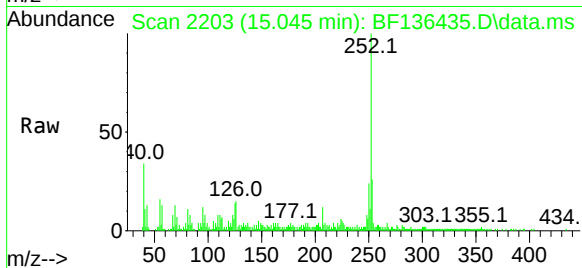
Tgt Ion:	252	Resp:	2330
Ion Ratio	Lower	Upper	
252	100		
253	25.8	16.9	25.3
125	13.6	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#90

Benzo(a)pyrene

Concen: 8.007 ng

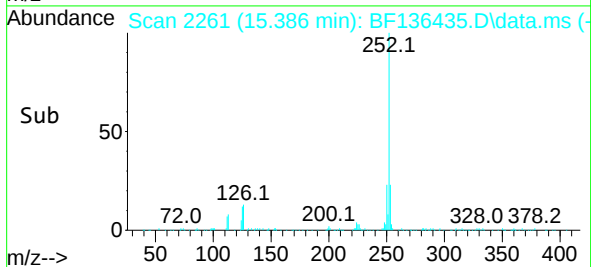
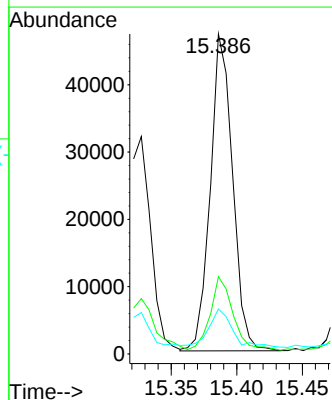
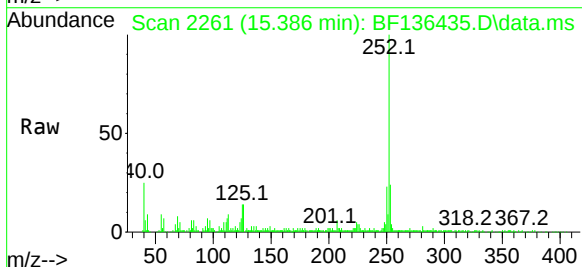
RT: 15.386 min Scan# 2261

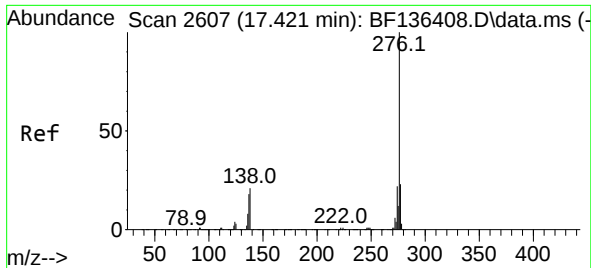
Delta R.T. -0.006 min

Lab File: BF136435.D

Acq: 06 Dec 2023 18:48

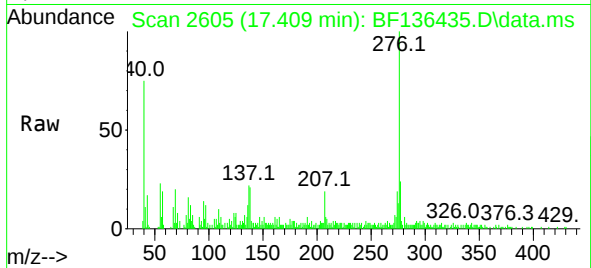
Tgt Ion:	252	Resp:	55680
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.4
125	14.0	8.6	13.0





#92
Benzo(g,h,i)perylene
Concen: 4.652 ng
RT: 17.409 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136435.D
Acq: 06 Dec 2023 18:48

Instrument :
BNA_F
ClientSampleId :
NB-08-11162023



Tgt Ion:276 Resp: 3346
Ion Ratio Lower Upper
276 100
277 23.6 18.7 28.1
138 20.9 16.6 25.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

