

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136616.D
 Acq On : 18 Dec 2023 16:03
 Operator : CG\JU
 Sample : 05798-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023

Quant Time: Dec 18 16:43:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	95211	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	367342	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	175583	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	267482	20.000	ng	0.00
76) Chrysene-d12	13.974	240	194715	20.000	ng	0.00
86) Perylene-d12	15.451	264	251249	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	479335	74.350	ng	0.00
7) Phenol-d6	6.434	99	586482	72.913	ng	0.00
23) Nitrobenzene-d5	7.345	82	353298	51.994	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	142999	66.052	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	646601	50.249	ng	0.00
79) Terphenyl-d14	12.916	244	484241	32.779	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	92196	6.271	ng	98
75) Fluoranthene	12.539	202	187358	12.161	ng	93
78) Pyrene	12.769	202	162919	8.543	ng	96
81) Benzo(a)anthracene	13.963	228	95684	7.055	ng	99
83) Chrysene	13.998	228	116879m	8.759	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	62122	3.559	ng	96
88) Benzo(b)fluoranthene	15.015	252	157234m	9.153	ng	
89) Benzo(k)fluoranthene	15.039	252	49777m	3.075	ng	
90) Benzo(a)pyrene	15.386	252	98194	6.921	ng	98
92) Benzo(g,h,i)perylene	17.404	276	57406	3.911	ng	98

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

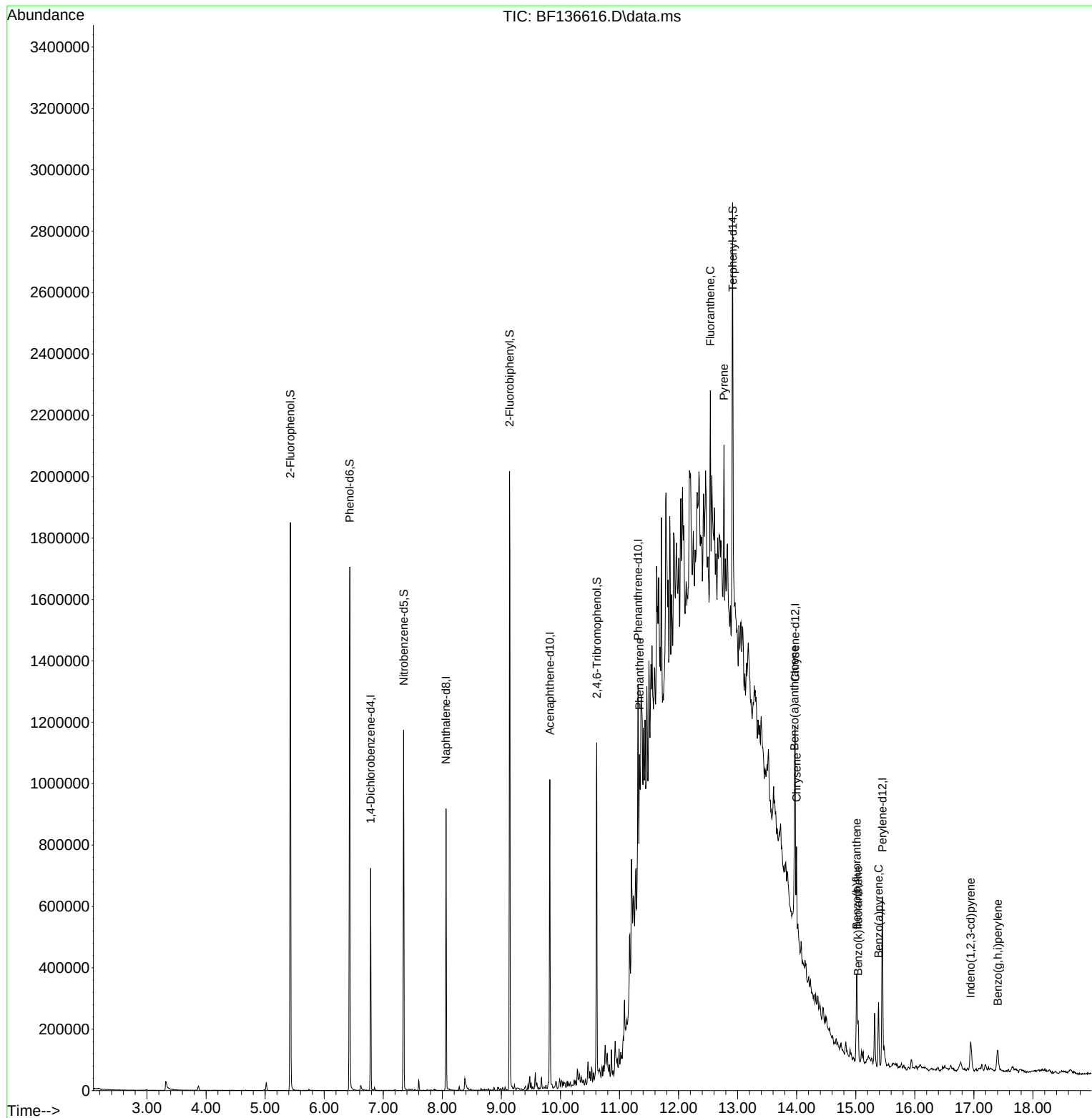
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
Data File : BF136616.D
Acq On : 18 Dec 2023 16:03
Operator : CG\JU
Sample : 05798-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

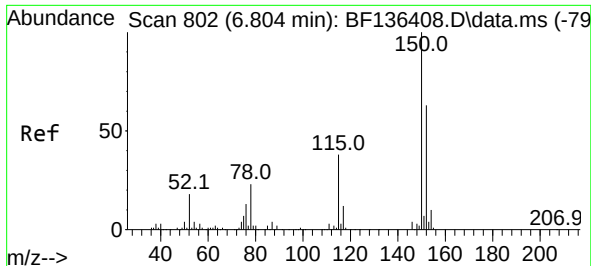
Instrument :
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ClientSampleId :
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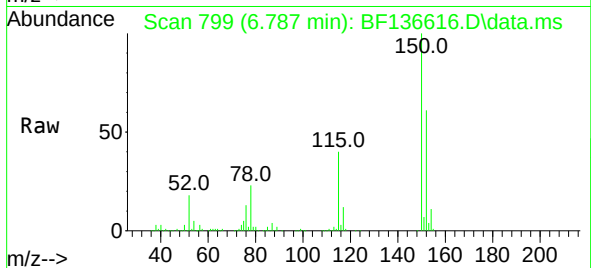
Quant Time: Dec 18 16:43:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

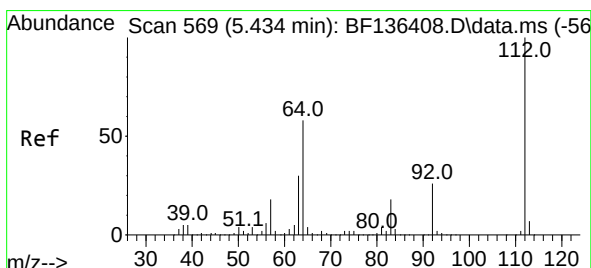
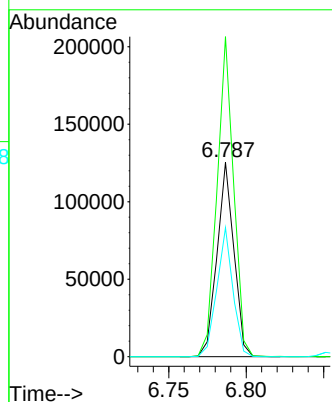
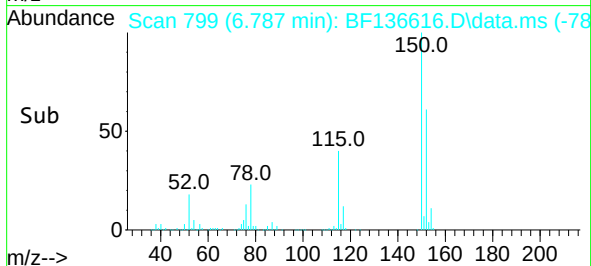
Instrument :
BNA_F
ClientSampleId :
WC-1



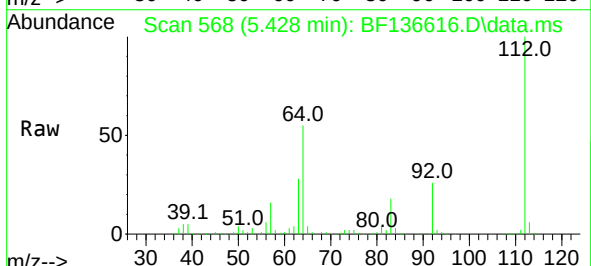
Tgt Ion:152 Resp: 9521
Ion Ratio Lower Upper
152 100
150 164.6 126.4 189.6
115 66.4 48.2 72.4

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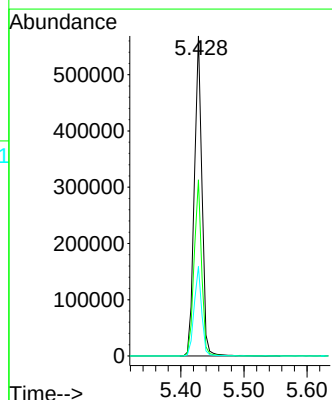
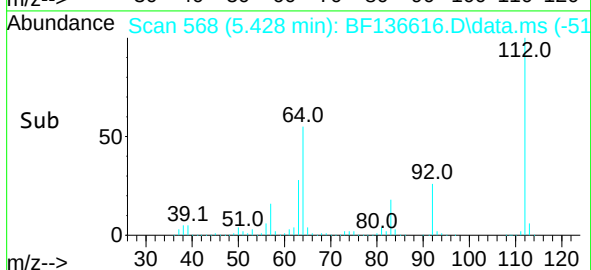
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023

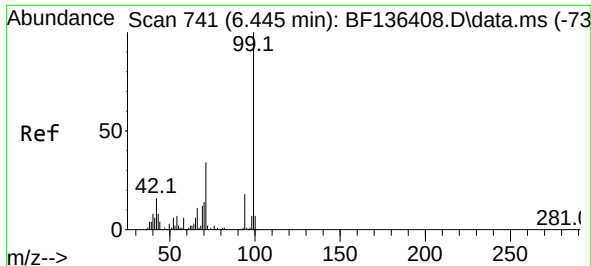


#5
2-Fluorophenol
Concen: 74.350 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03



Tgt Ion:112 Resp: 479335
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 28.0 23.9 35.9





#7

Phenol-d6

Concen: 72.913 ng

RT: 6.434 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF136616.D

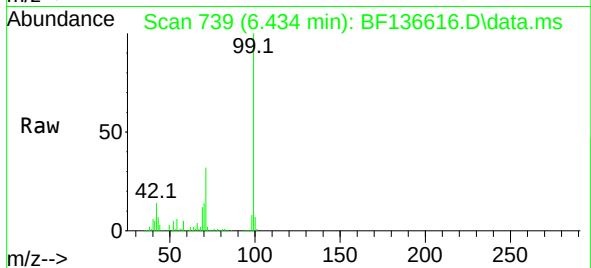
Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion: 99 Resp: 58648

Ion Ratio Lower Upper

99 100

42 14.3 12.8 19.2

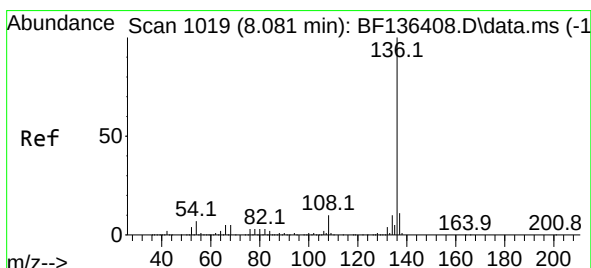
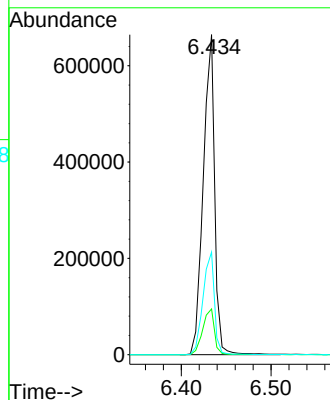
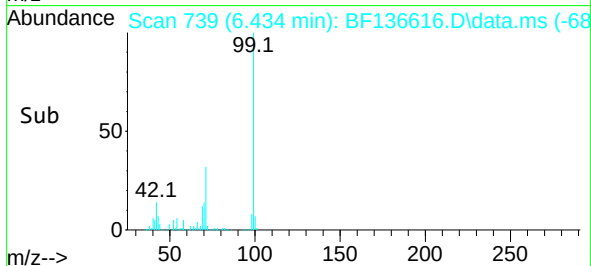
71 32.0 27.0 40.4

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Supervised By :mohammad ahmed 12/19/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Tgt Ion:136 Resp: 367342

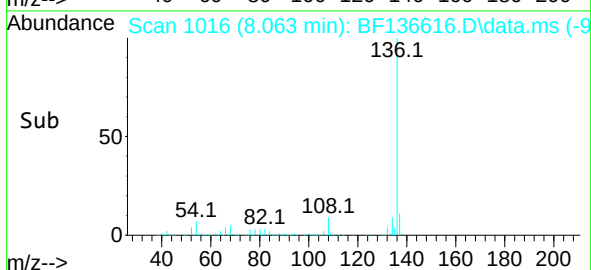
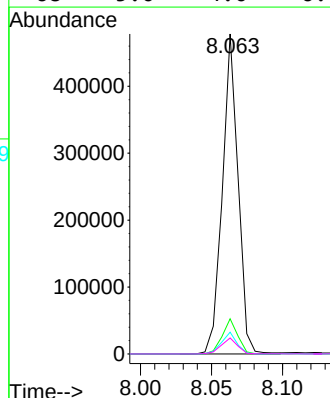
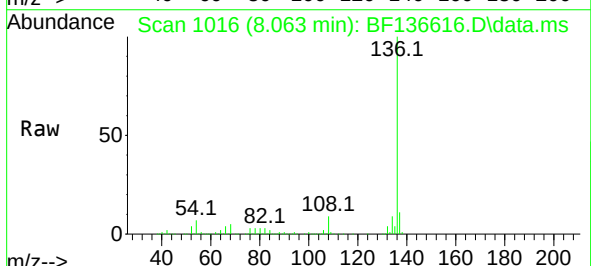
Ion Ratio Lower Upper

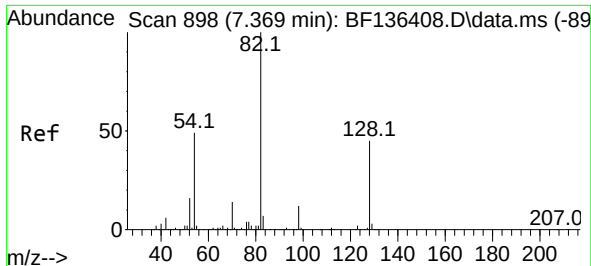
136 100

137 11.0 8.6 12.8

54 6.8 5.7 8.5

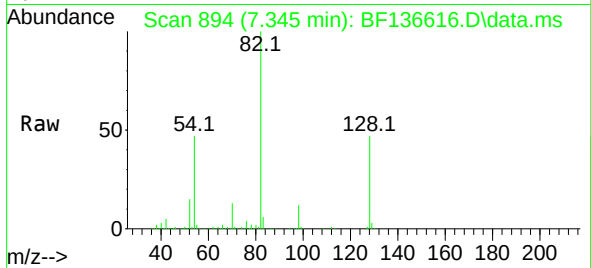
68 5.0 4.0 6.0





#23
Nitrobenzene-d5
Concen: 51.994 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

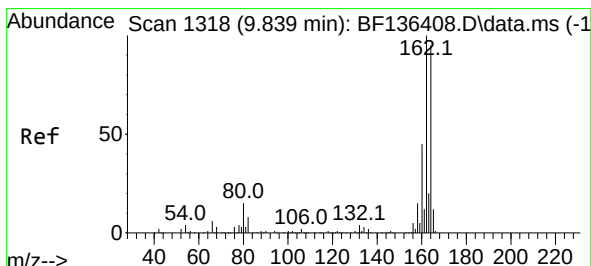
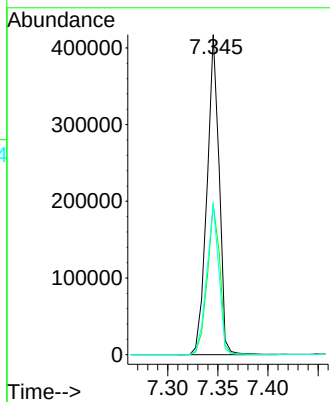
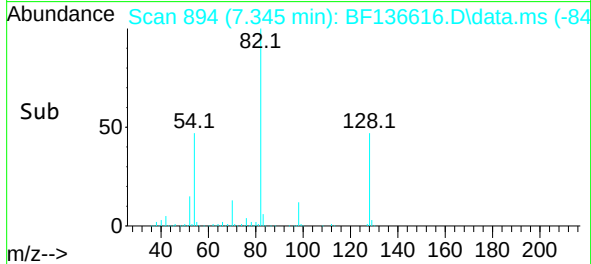
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 82 Resp: 353298
Ion Ratio Lower Upper
82 100
128 46.9 36.3 54.5
54 47.2 39.0 58.6

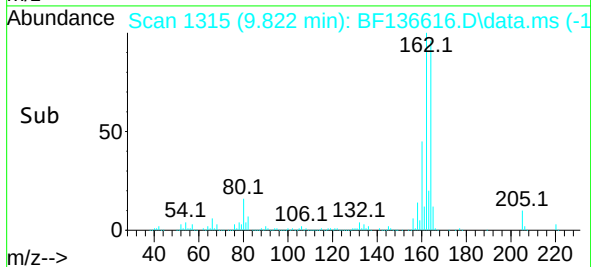
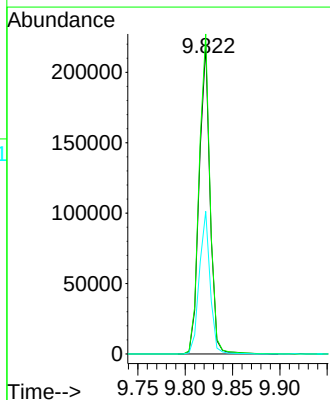
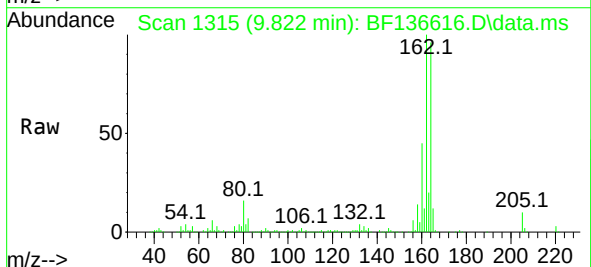
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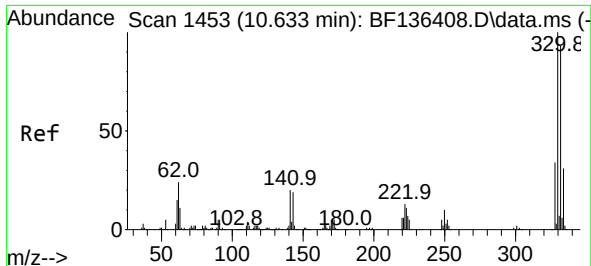
Reviewed By :Yogesh Patel 12/19/2023
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

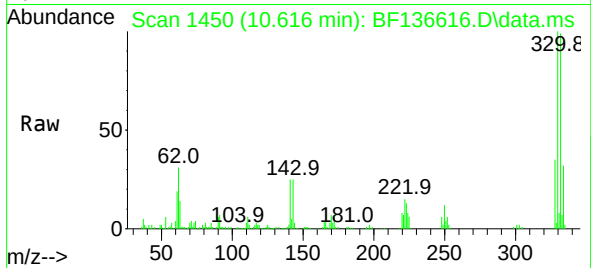
Tgt Ion:164 Resp: 175583
Ion Ratio Lower Upper
164 100
162 103.8 84.4 126.6
160 46.2 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 66.052 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

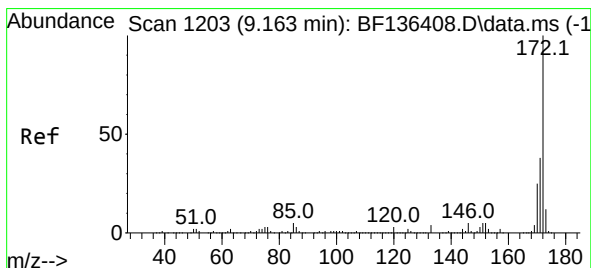
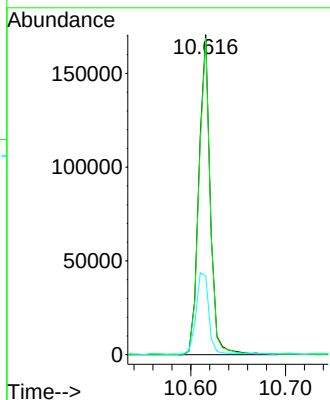
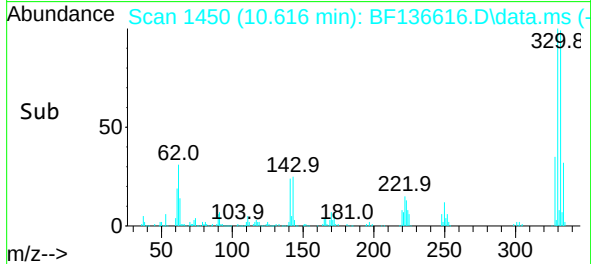
Instrument :
BNA_F
ClientSampleId :
WC-1



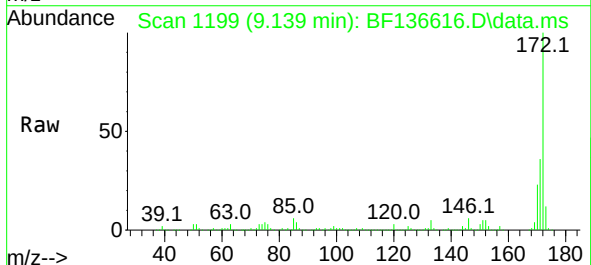
Tgt Ion: 330 Resp: 142995
Ion Ratio Lower Upper
330 100
332 98.3 76.4 114.6
141 29.1 23.4 35.2

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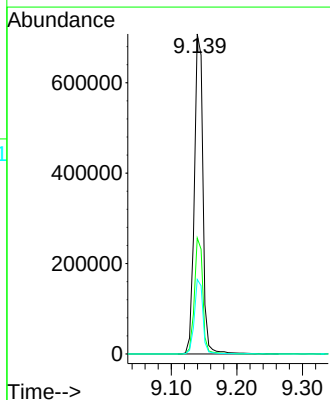
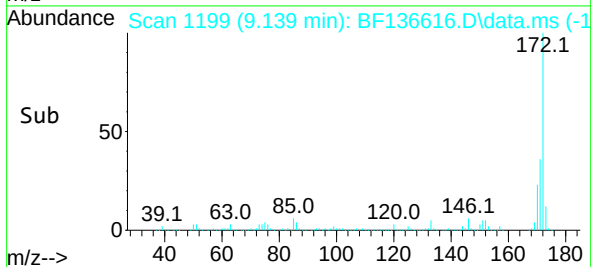
Reviewed By : Yogesh Patel 12/19/2023
Supervised By : mohammad ahmed 12/19/2023

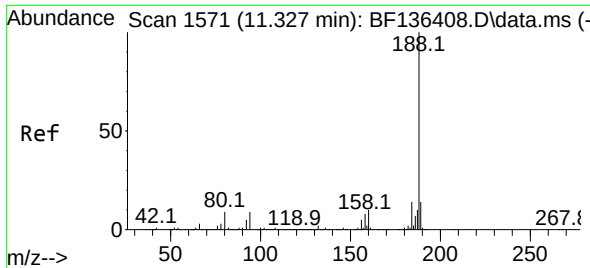


#45
2-Fluorobiphenyl
Concen: 50.249 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03



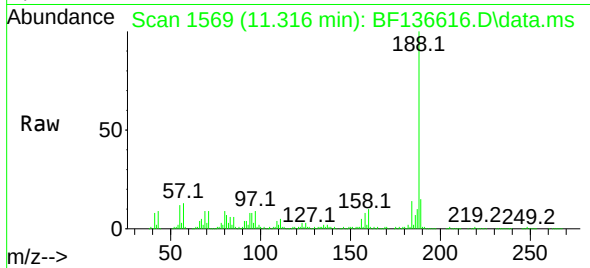
Tgt Ion: 172 Resp: 646601
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 23.3 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

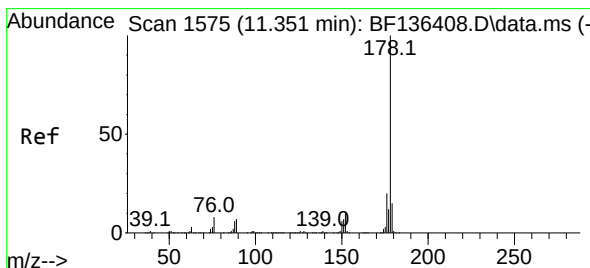
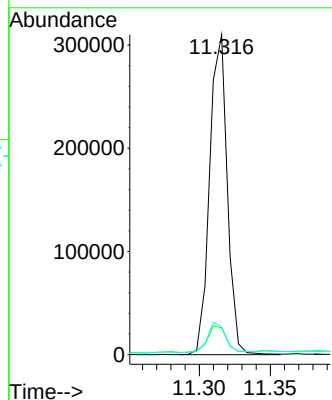
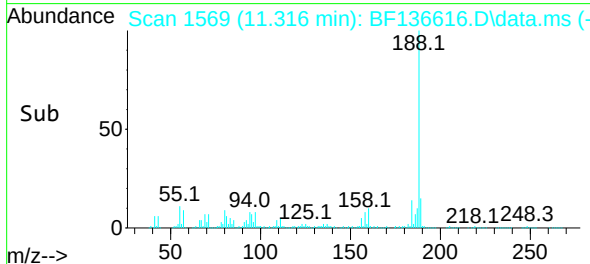
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:188 Resp: 26748
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 8.7 7.2 10.8

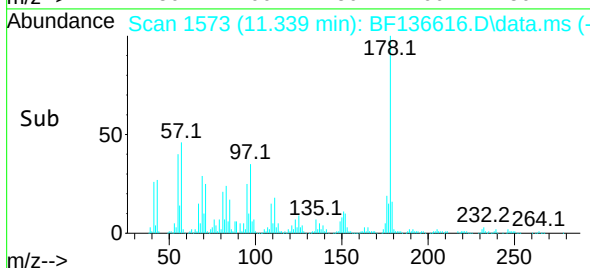
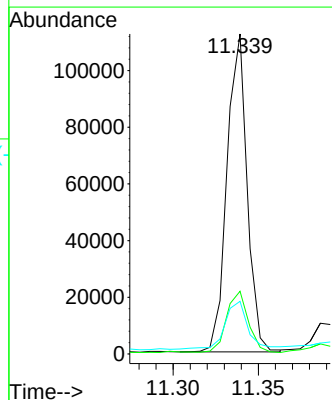
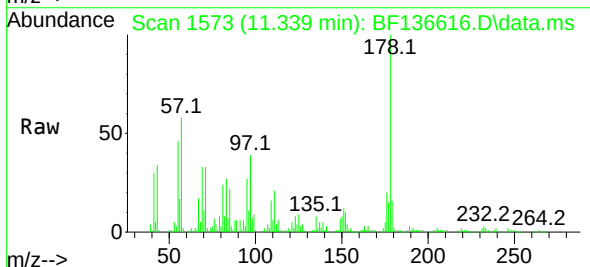
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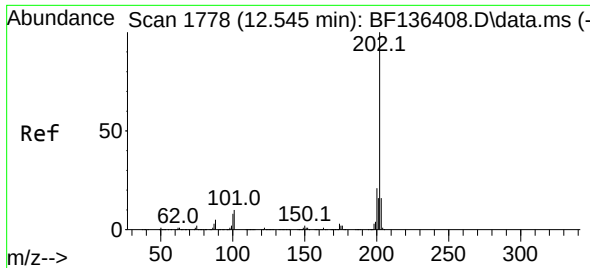
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#71
Phenanthrene
Concen: 6.271 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

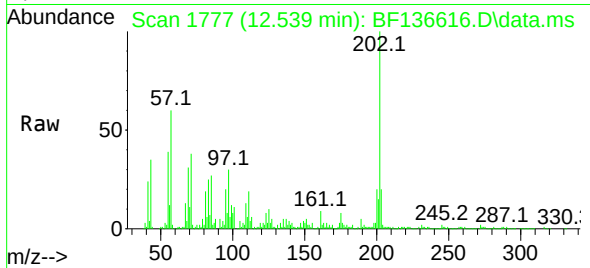
Tgt Ion:178 Resp: 92196
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 16.5 11.8 17.6





#75
Fluoranthene
Concen: 12.161 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

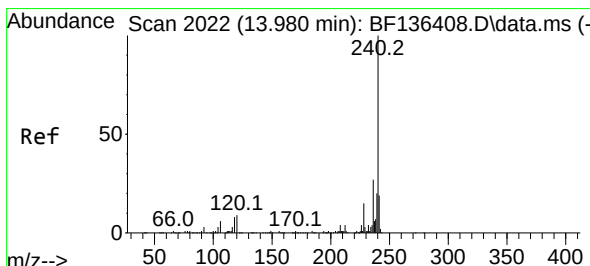
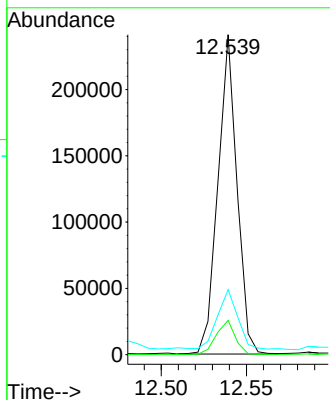
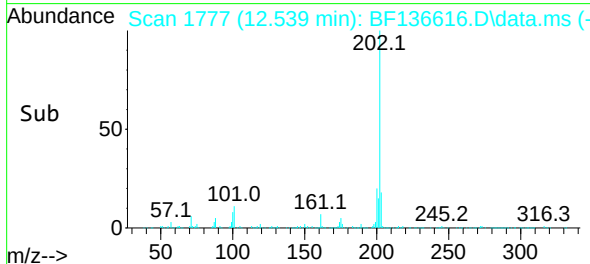
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 187358
Ion Ratio Lower Upper
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101 10.7 0.0 29.9
203 20.4 0.0 36.3

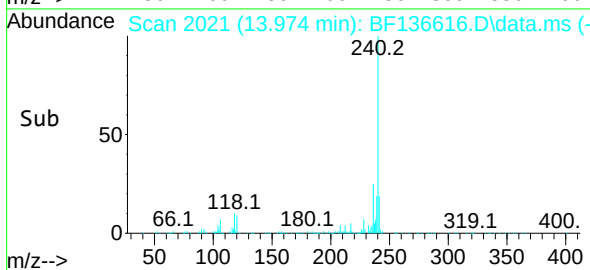
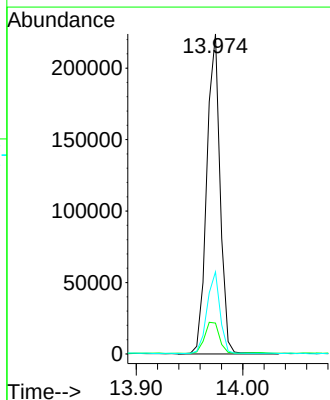
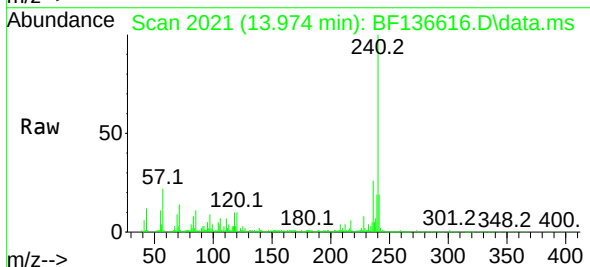
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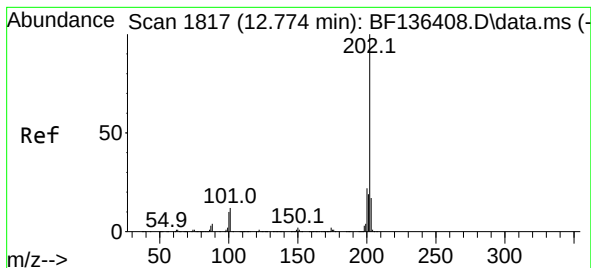
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion:240 Resp: 194715
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 25.6 21.3 31.9





#78

Pyrene

Concen: 8.543 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.006 min

Lab File: BF136616.D

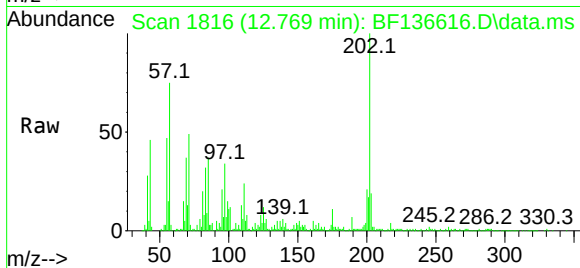
Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:202 Resp: 162919

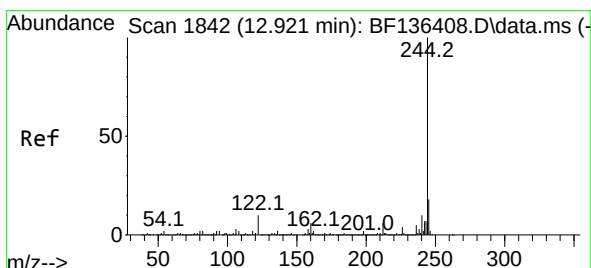
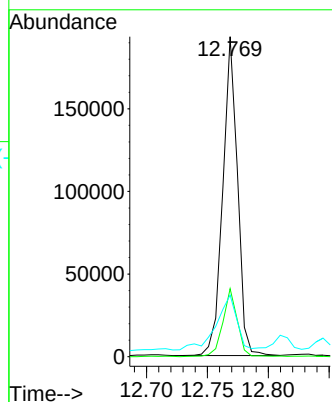
Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.0	27.0
203	19.3	13.5	20.3

Manual Integrations

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Supervised By :mohammad ahmed 12/19/2023



#79

Terphenyl-d14

Concen: 32.779 ng

RT: 12.916 min Scan# 1841

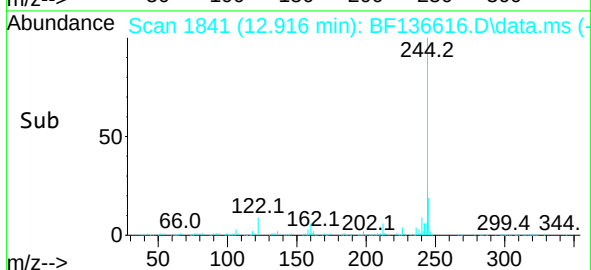
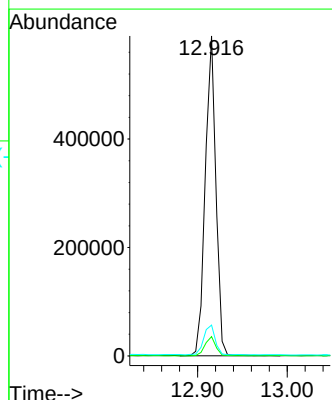
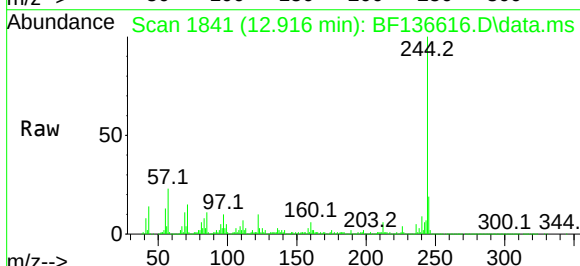
Delta R.T. 0.006 min

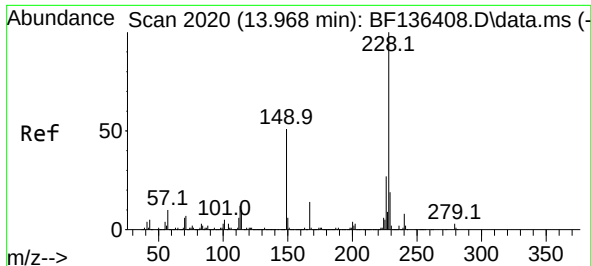
Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Tgt Ion:244 Resp: 484241

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.0	7.4
122	9.7	8.3	12.5





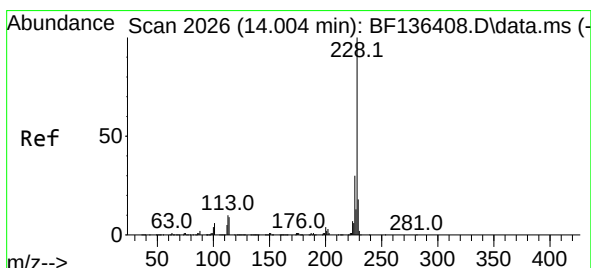
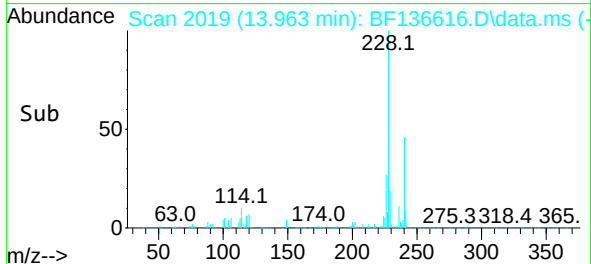
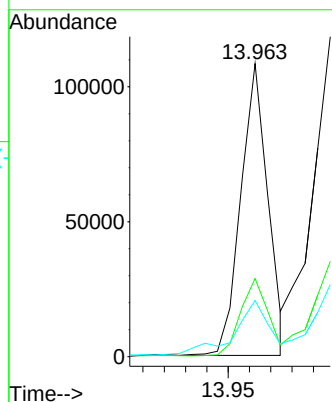
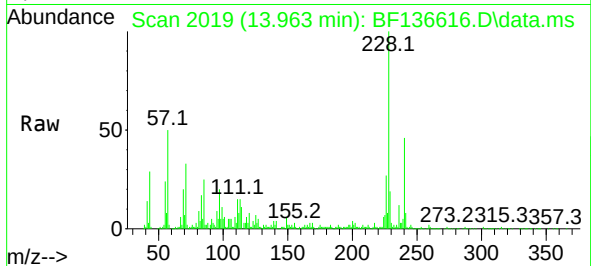
#81
Benzo(a)anthracene
Concen: 7.055 ng
RT: 13.963 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 95684
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.8
229 19.2 15.0 22.4

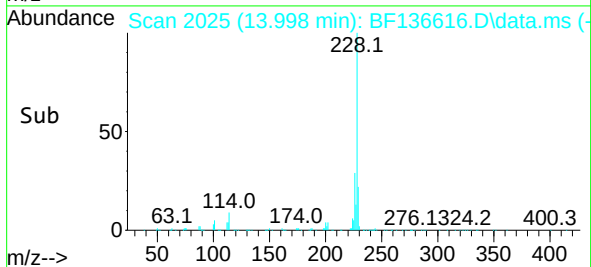
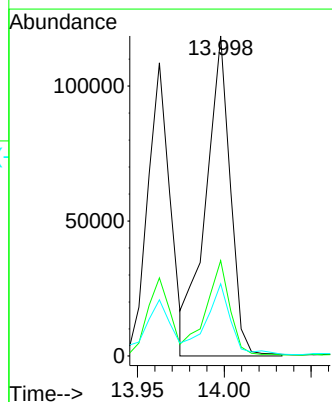
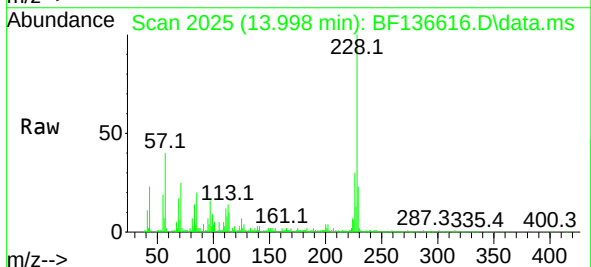
Manual Integrations
APPROVED

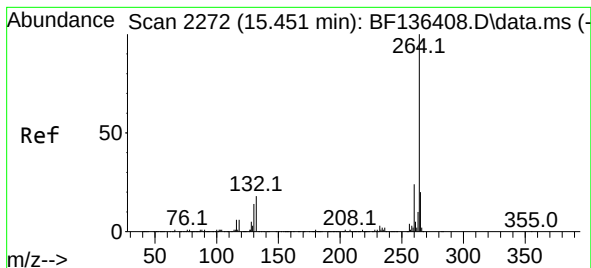
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#83
Chrysene
Concen: 8.759 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

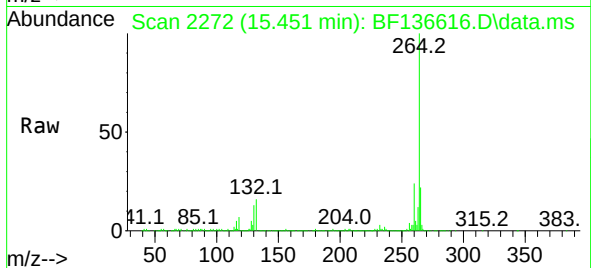
Tgt Ion:228 Resp: 116879
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.6 14.8 22.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

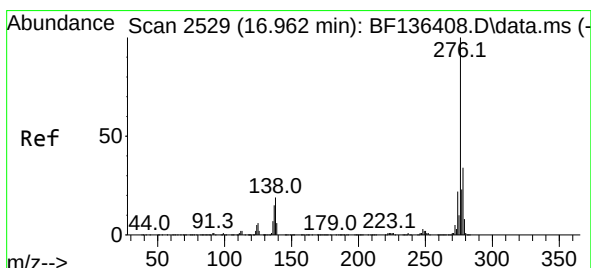
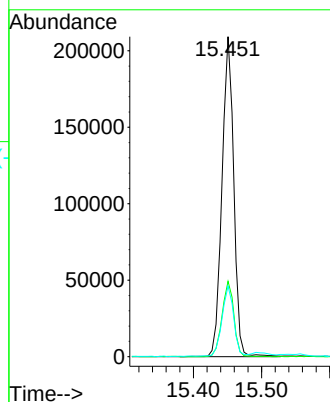
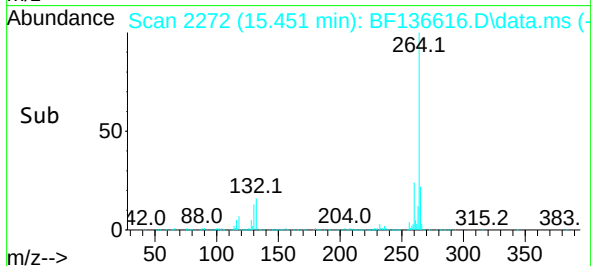
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 251249
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.0 15.9 23.9

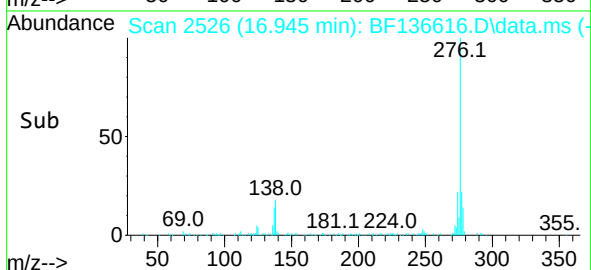
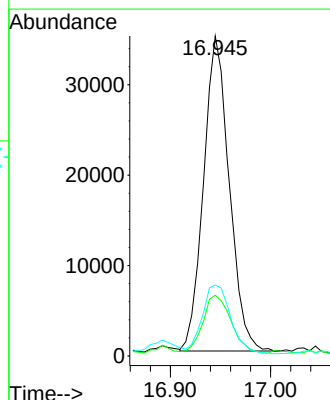
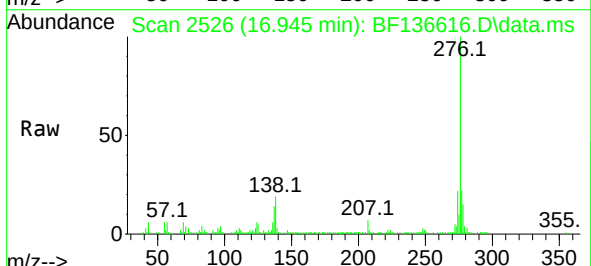
Manual Integrations
APPROVED

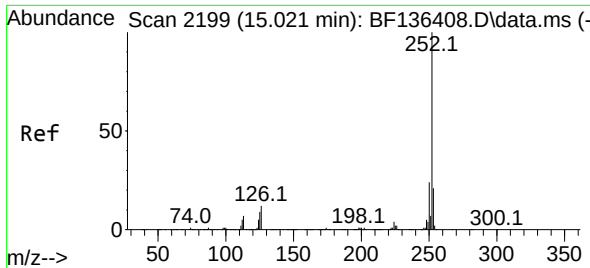
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.559 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

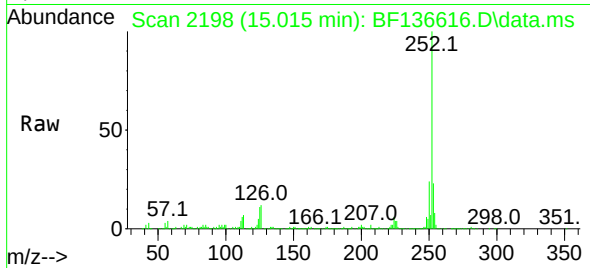
Tgt Ion:276 Resp: 62122
Ion Ratio Lower Upper
276 100
138 20.1 19.0 28.4
277 24.4 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 9.153 ng m
RT: 15.015 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

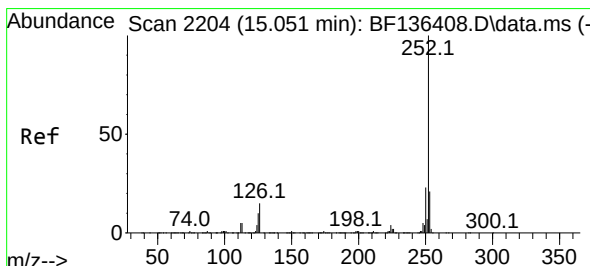
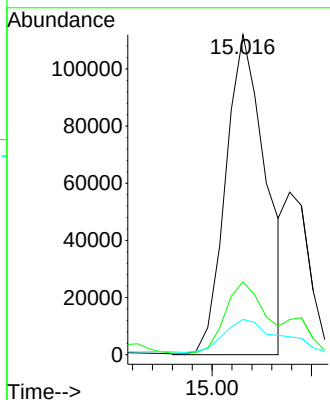
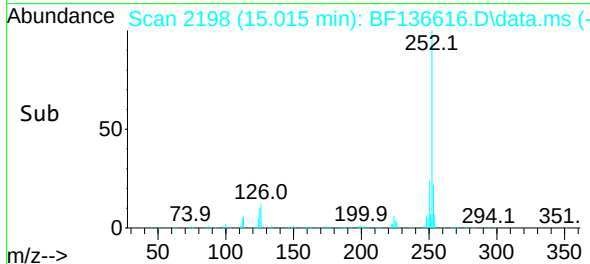
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 157234
Ion Ratio Lower Upper
252 100
253 22.7 16.9 25.3
125 11.0 7.4 11.2

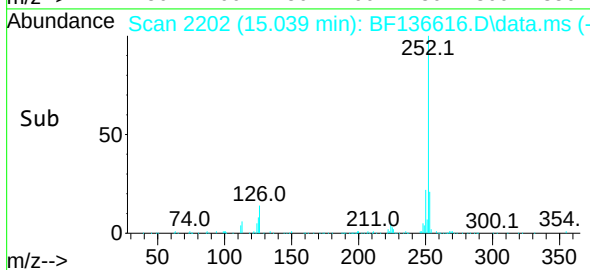
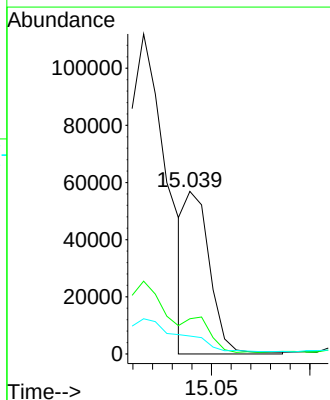
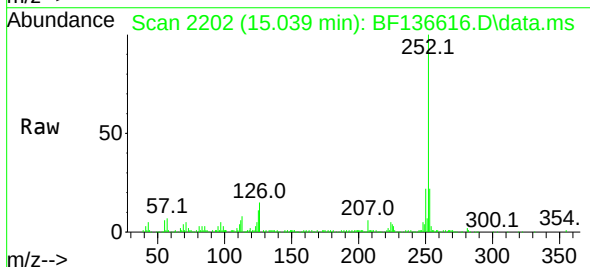
Manual Integrations
APPROVED

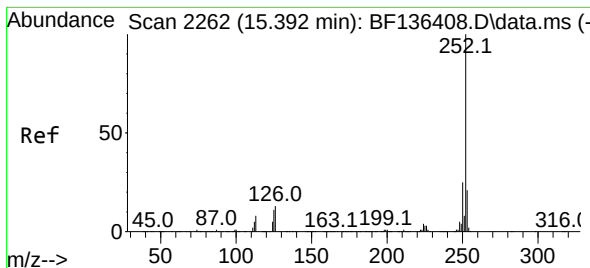
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#89
Benzo(k)fluoranthene
Concen: 3.075 ng m
RT: 15.039 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF136616.D
Acq: 18 Dec 2023 16:03

Tgt Ion:252 Resp: 49777
Ion Ratio Lower Upper
252 100
253 21.7 16.9 25.3
125 11.1 7.5 11.3





#90

Benzo(a)pyrene

Concen: 6.921 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Instrument :

BNA_F

ClientSampleId :

WC-1

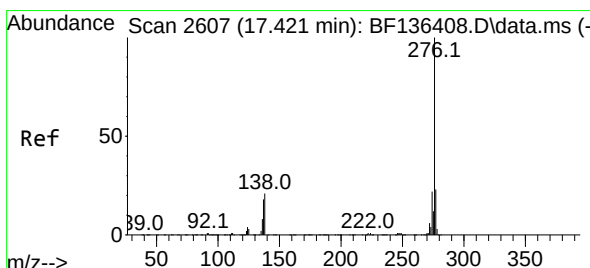
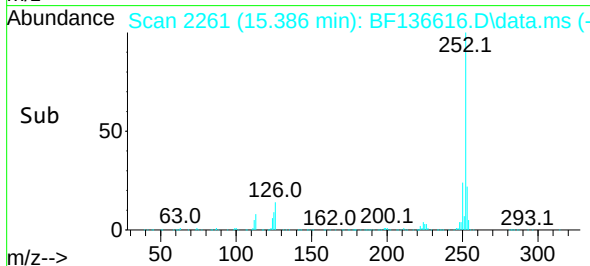
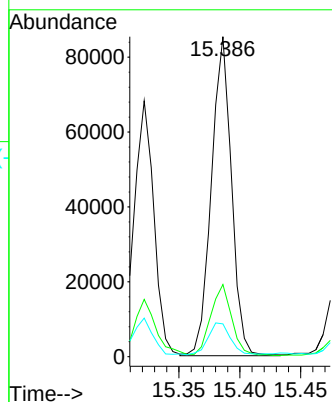
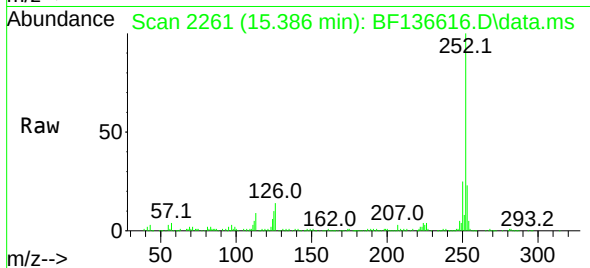
Tgt Ion:	252	Resp:	98194
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.4
125	10.2	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2023

Supervised By :mohammad ahmed 12/19/2023



#92

Benzo(g,h,i)perylene

Concen: 3.911 ng

RT: 17.404 min Scan# 2604

Delta R.T. 0.000 min

Lab File: BF136616.D

Acq: 18 Dec 2023 16:03

Tgt Ion:	276	Resp:	57406
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.7	28.1
138	20.3	16.6	25.0

