

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136519.D
 Acq On : 12 Dec 2023 16:49
 Operator : CG\JU
 Sample : 05701-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-120723

Quant Time: Dec 12 17:18:42 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	88336	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	324888	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	148664	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	235980	20.000	ng	0.00
76) Chrysene-d12	13.974	240	216368	20.000	ng	0.00
86) Perylene-d12	15.457	264	251563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	264004	44.137	ng	0.00
7) Phenol-d6	6.434	99	311986	41.805	ng	-0.01
23) Nitrobenzene-d5	7.351	82	180029	29.956	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	67769	36.971	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	355556	32.634	ng	-0.02
79) Terphenyl-d14	12.916	244	342871	20.887	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.339	178	51203	3.948	ng	96
75) Fluoranthene	12.539	202	92145	6.779	ng	98
78) Pyrene	12.769	202	143611	6.777	ng	96
81) Benzo(a)anthracene	13.963	228	87698	5.819	ng	91
83) Chrysene	13.998	228	95547m	6.444	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	35490	2.031	ng	95
88) Benzo(b)fluoranthene	15.021	252	114414m	6.652	ng	
90) Benzo(a)pyrene	15.386	252	90065	6.341	ng	95
92) Benzo(g,h,i)perylene	17.404	276	40949	2.786	ng	96

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

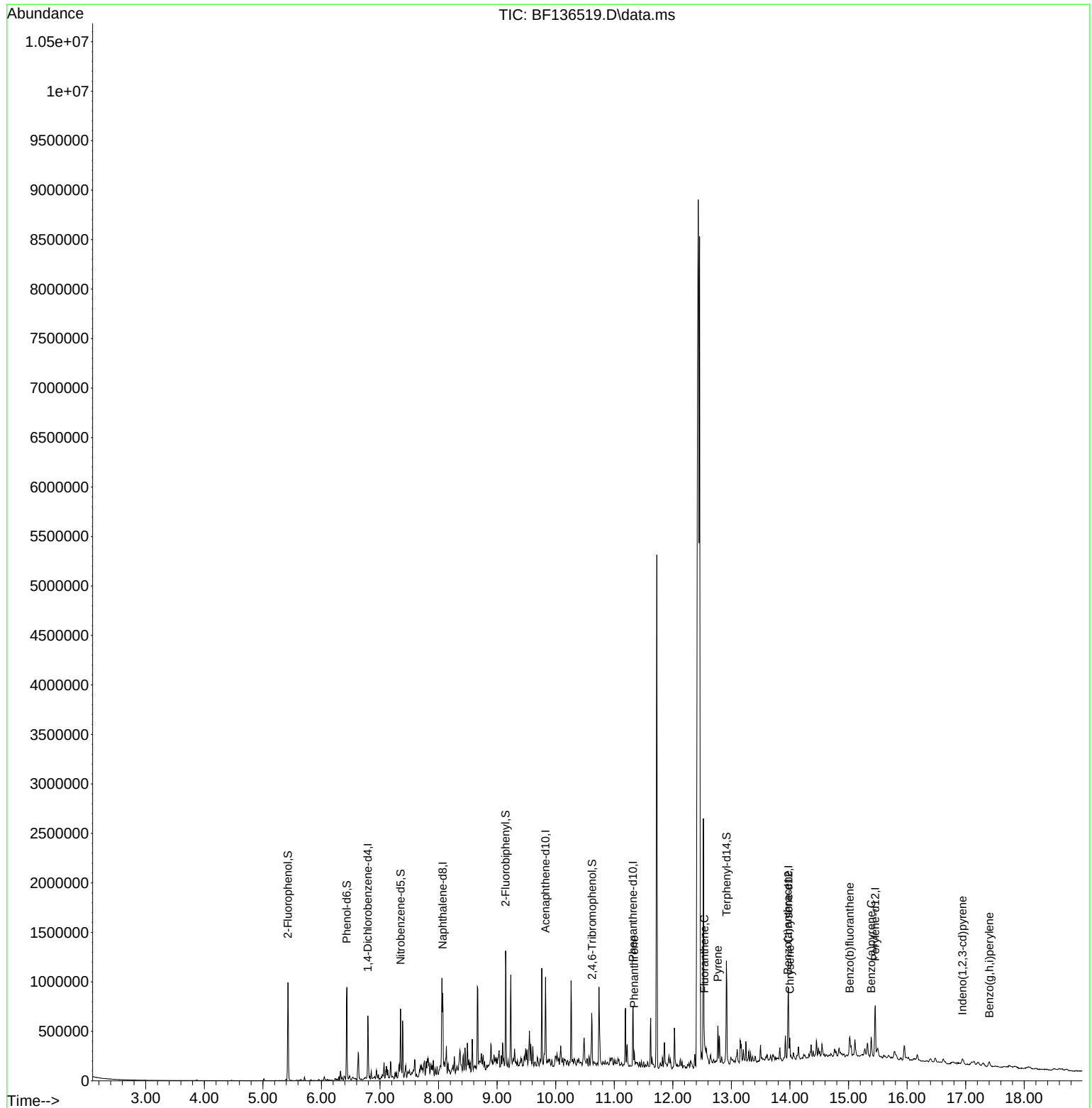
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
Data File : BF136519.D
Acq On : 12 Dec 2023 16:49
Operator : CG\JU
Sample : 05701-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

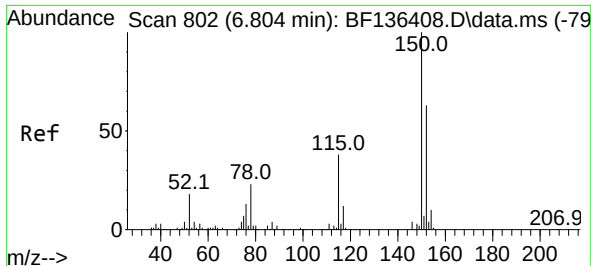
Instrument :
BNA_F
ClientSampleId :
TR-06-120723

Quant Time: Dec 12 17:18:42 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

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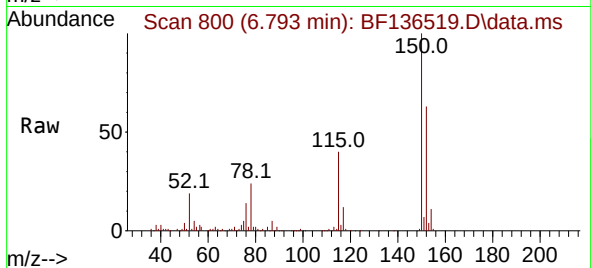
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

TR-06-120723



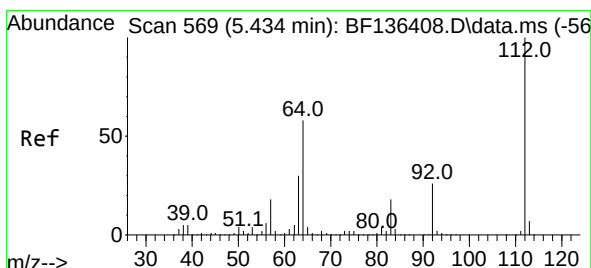
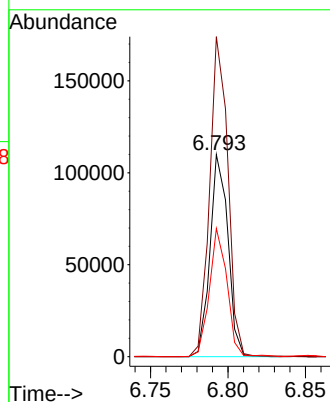
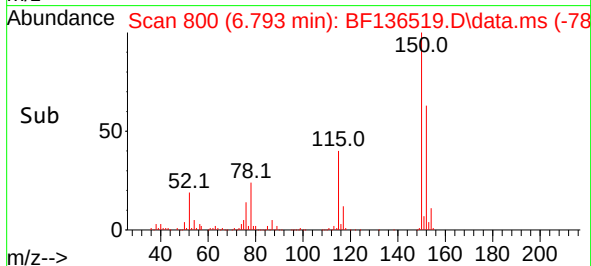
Tgt Ion:152 Resp: 88330
Ion Ratio Lower Upper
152 100
150 158.3 126.4 189.6
115 63.4 48.2 72.4

Manual Integrations

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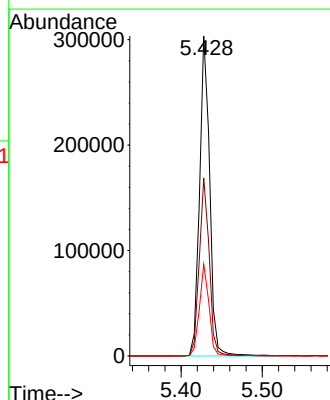
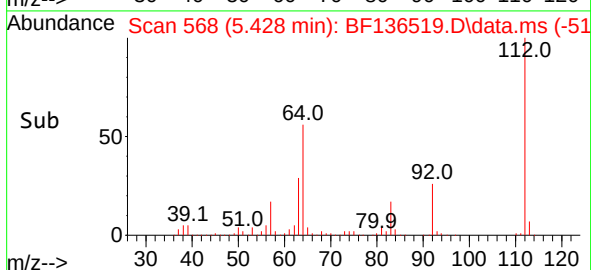
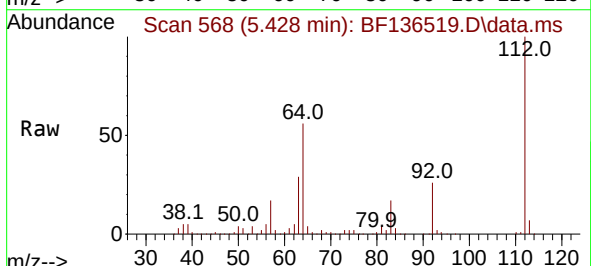
Reviewed By :Yogesh Patel 12/14/2023

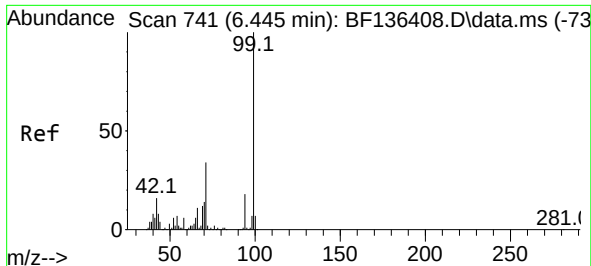
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 44.137 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

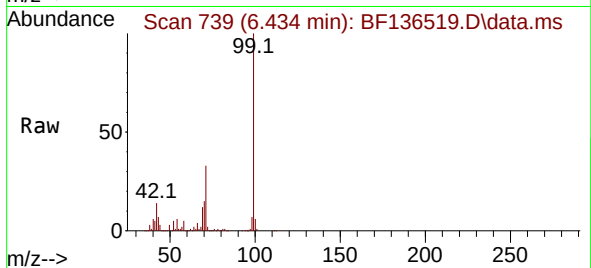
Tgt Ion:112 Resp: 264004
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 28.7 23.9 35.9





#7
Phenol-d6
Concen: 41.805 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

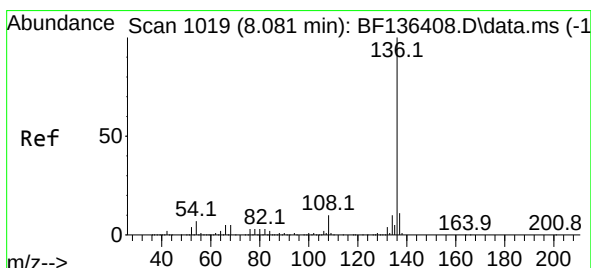
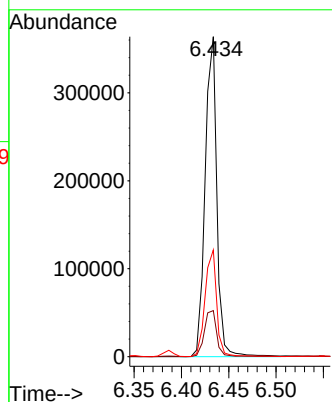
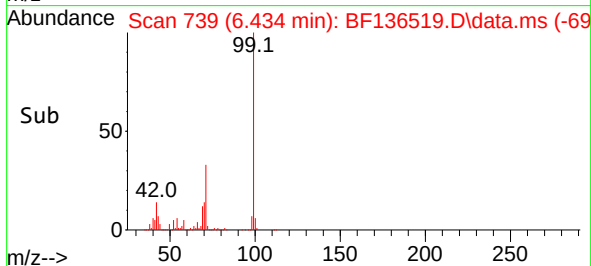
Instrument :
BNA_F
ClientSampleId :
TR-06-120723



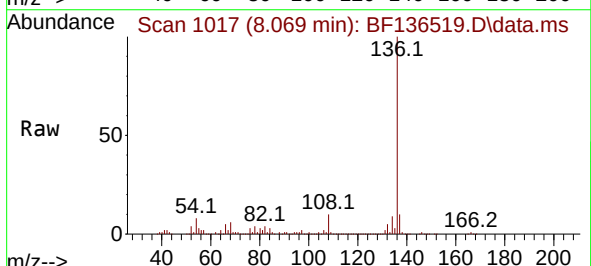
Tgt Ion: 99 Resp: 311980
Ion Ratio Lower Upper
99 100
42 14.4 12.8 19.2
71 33.4 27.0 40.4

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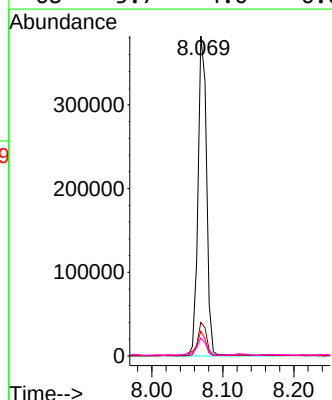
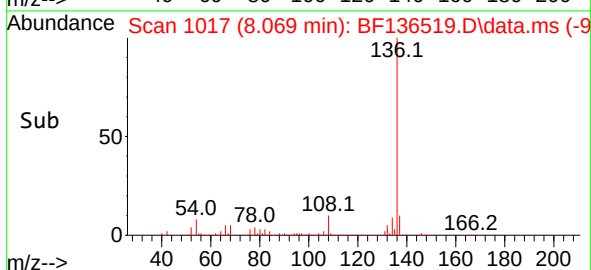
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

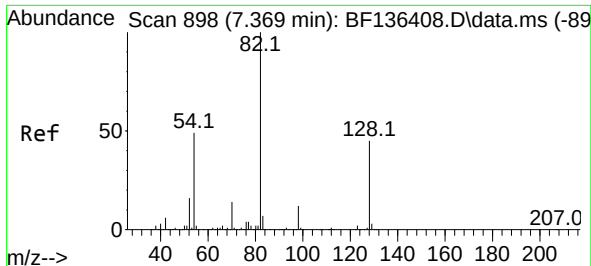


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49



Tgt Ion:136 Resp: 324888
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.7 5.7 8.5
68 5.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 29.956 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

TR-06-120723

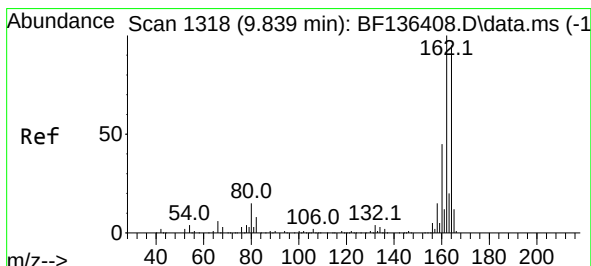
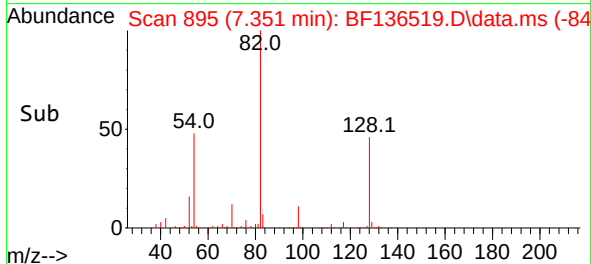
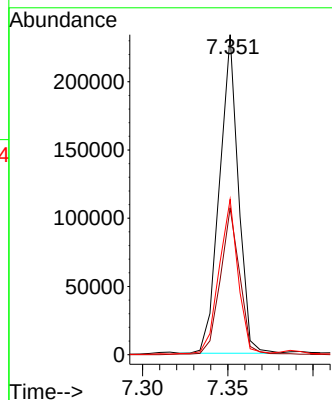
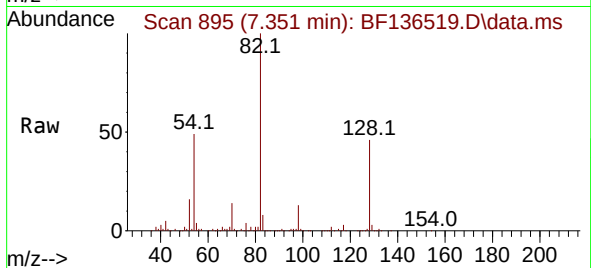
Tgt Ion:	82	Resp:	180029
Ion Ratio	Lower	Upper	
82	100		
128	45.8	36.3	54.5
54	48.5	39.0	58.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

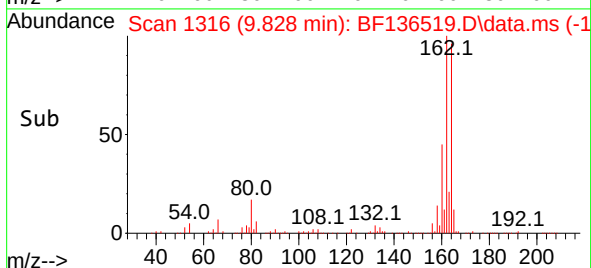
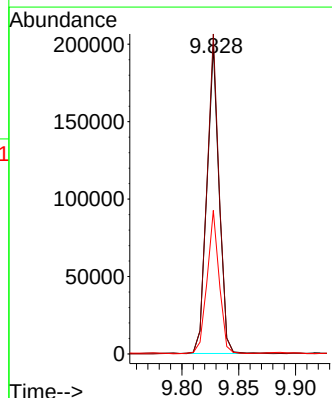
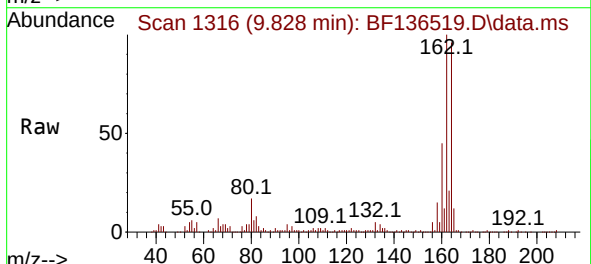
RT: 9.828 min Scan# 1316

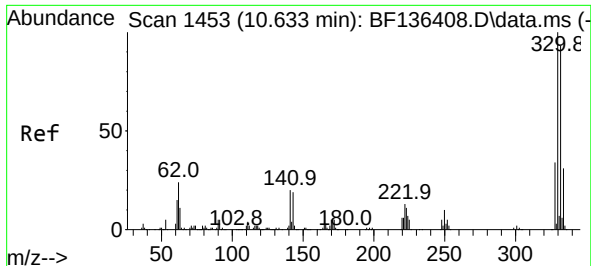
Delta R.T. -0.012 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Tgt Ion:	164	Resp:	148664
Ion Ratio	Lower	Upper	
164	100		
162	103.9	84.4	126.6
160	46.6	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 36.971 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

TR-06-120723

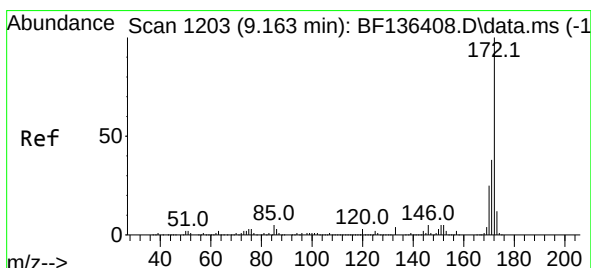
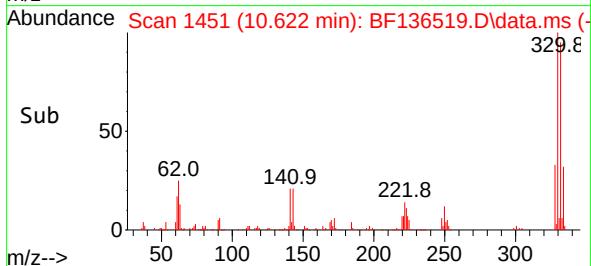
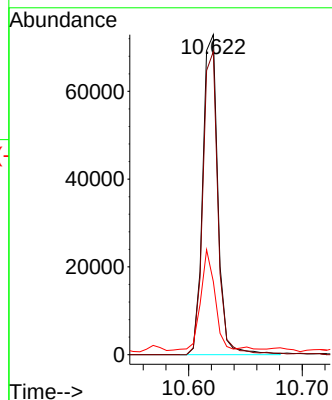
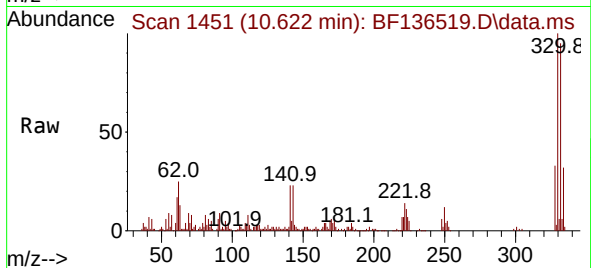
Tgt Ion:330 Resp: 67769
Ion Ratio Lower Upper
330 100
332 94.2 76.4 114.6
141 29.0 23.4 35.2

Manual Integrations

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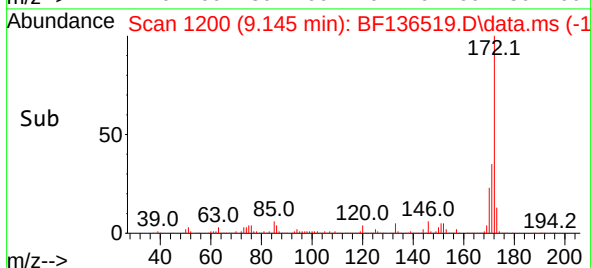
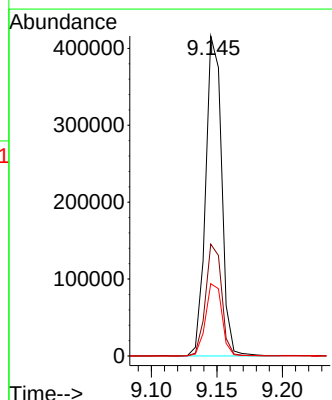
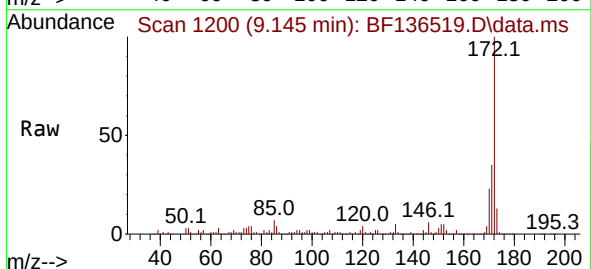
Reviewed By :Yogesh Patel 12/14/2023

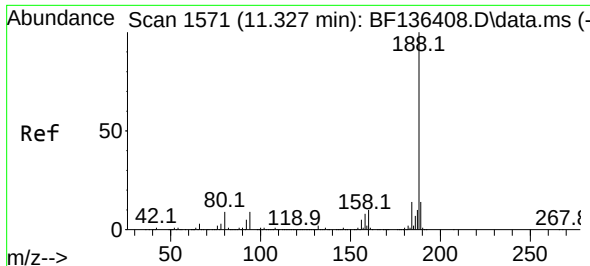
Supervised By :mohammad ahmed 12/14/2023



#45
2-Fluorobiphenyl
Concen: 32.634 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Tgt Ion:172 Resp: 355556
Ion Ratio Lower Upper
172 100
171 35.0 30.5 45.7
170 22.6 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

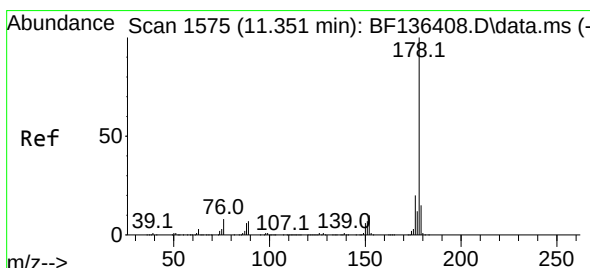
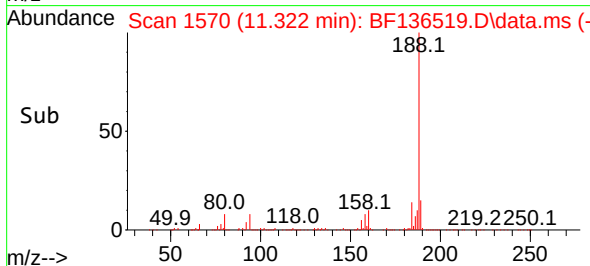
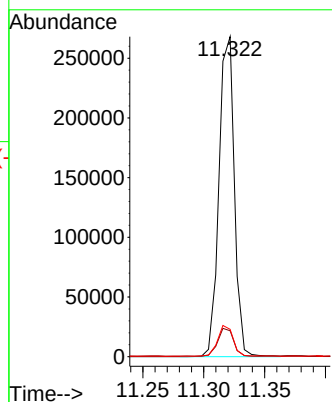
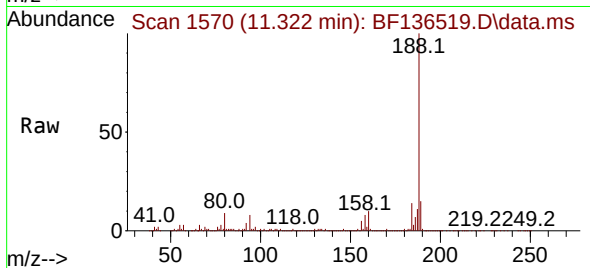
TR-06-120723

Tgt Ion:188 Resp: 235980
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.5 7.2 10.8

Manual Integrations

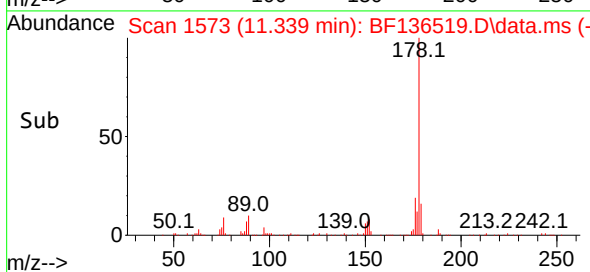
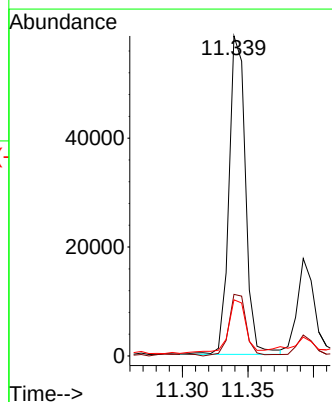
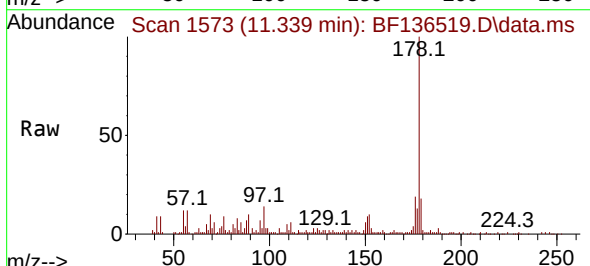
APPROVED

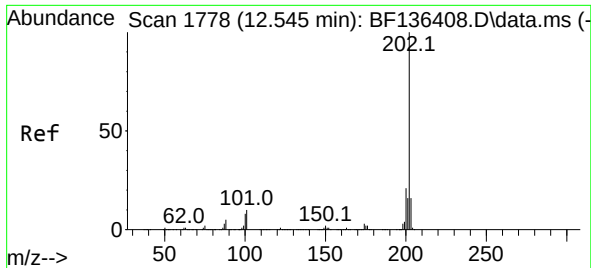
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 3.948 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Tgt Ion:178 Resp: 51203
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 17.5 11.8 17.6





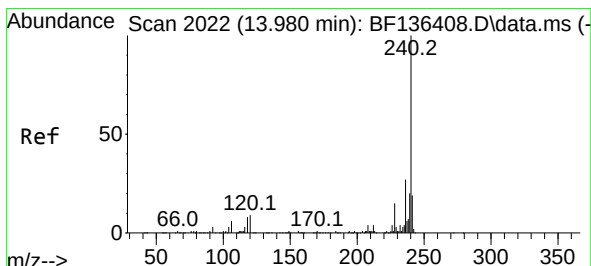
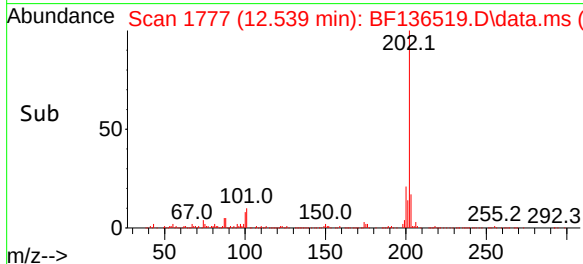
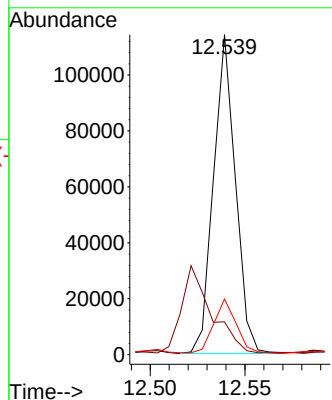
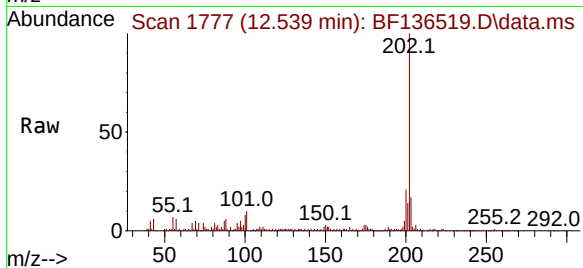
#75
Fluoranthene
Concen: 6.779 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Instrument :
BNA_F
ClientSampleId :
TR-06-120723

Tgt Ion:202 Resp: 92145
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.9
203 17.4 0.0 36.3

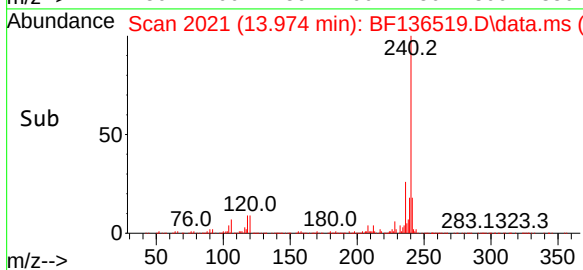
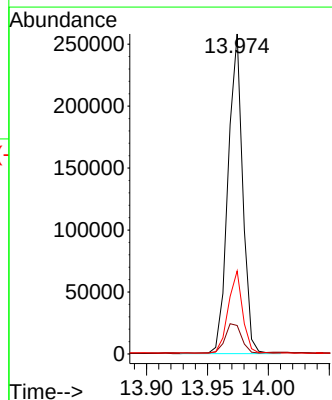
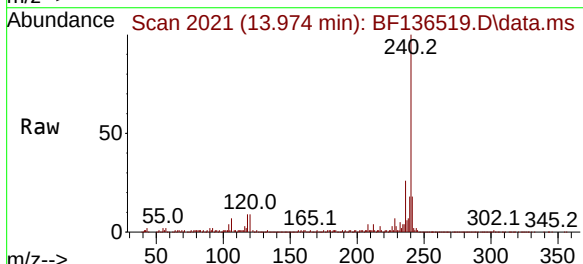
Manual Integrations
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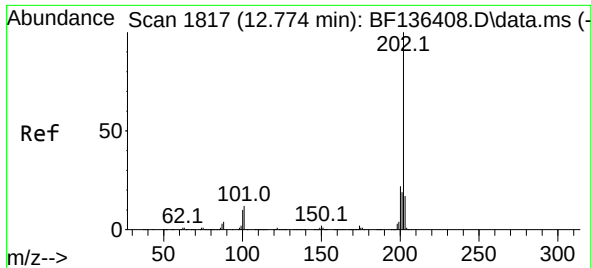
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

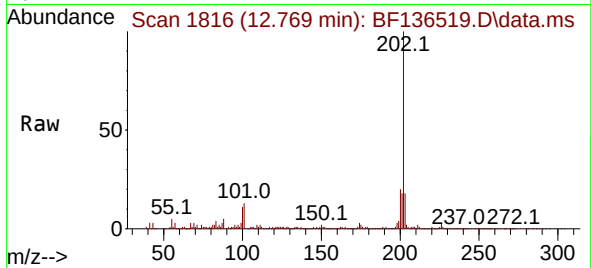
Tgt Ion:240 Resp: 216368
Ion Ratio Lower Upper
240 100
120 8.9 7.3 10.9
236 25.9 21.3 31.9





#78
Pyrene
Concen: 6.777 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

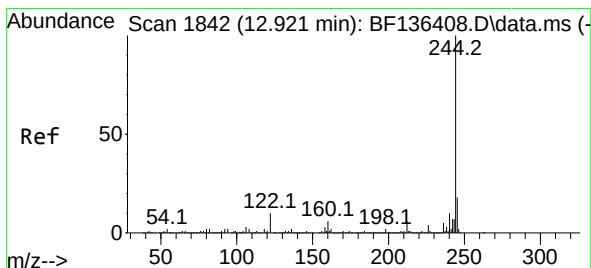
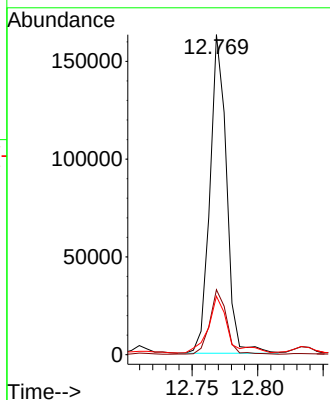
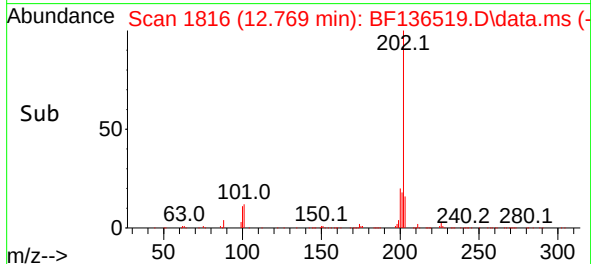
Instrument :
BNA_F
ClientSampleId :
TR-06-120723



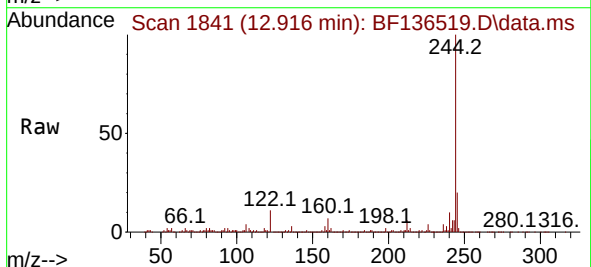
Tgt Ion:202 Resp: 14361
Ion Ratio Lower Upper
202 100
200 20.3 18.0 27.0
203 18.2 13.5 20.3

Manual Integrations
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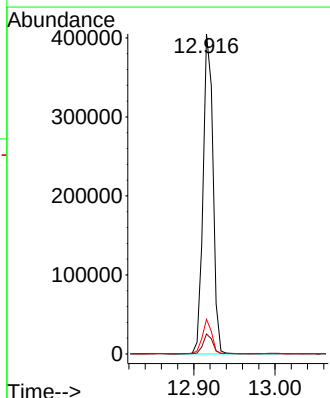
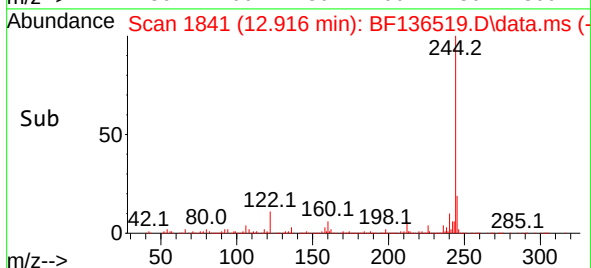
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

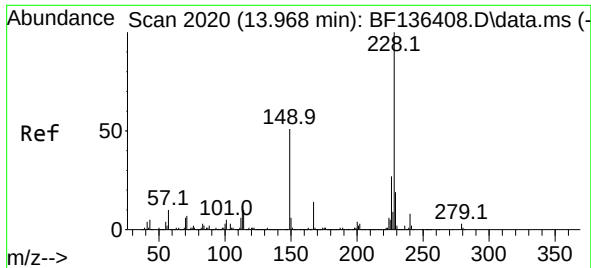


#79
Terphenyl-d14
Concen: 20.887 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49



Tgt Ion:244 Resp: 342871
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 10.8 8.3 12.5





#81
Benzo(a)anthracene
Concen: 5.819 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

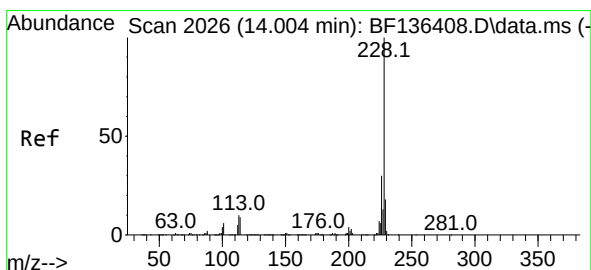
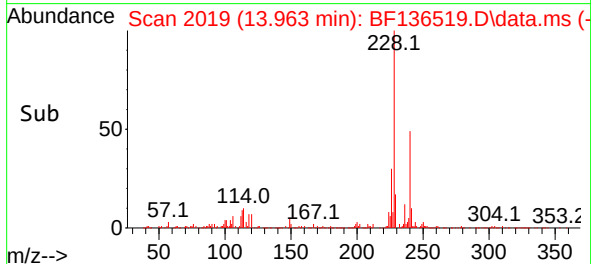
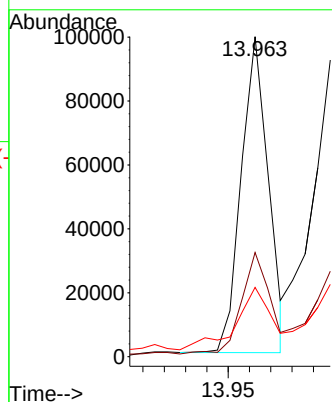
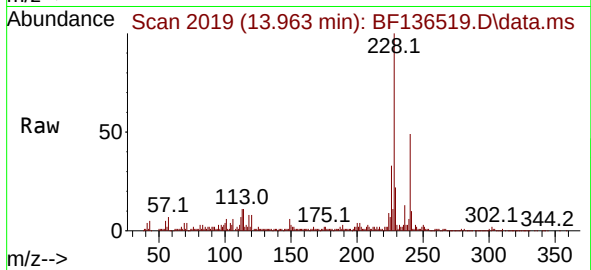
TR-06-120723

Tgt Ion:228 Resp: 87698
Ion Ratio Lower Upper
228 100
226 32.6 21.8 32.8
229 21.7 15.0 22.4

Manual Integrations

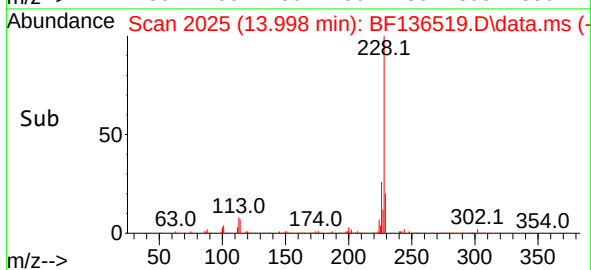
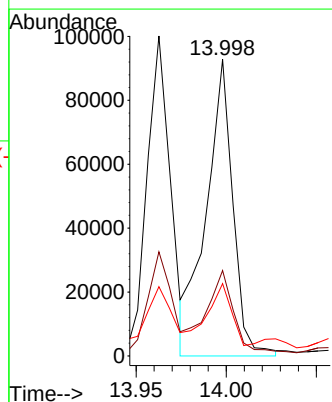
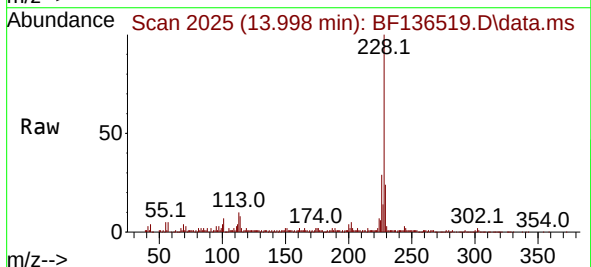
APPROVED

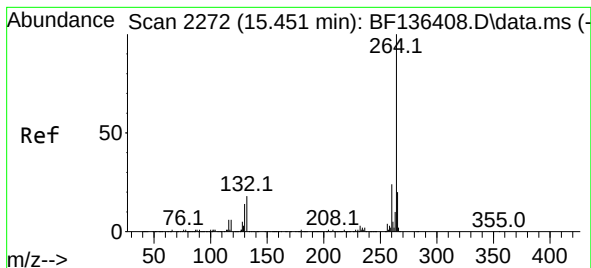
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#83
Chrysene
Concen: 6.444 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Tgt Ion:228 Resp: 95547
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.6
229 24.4 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

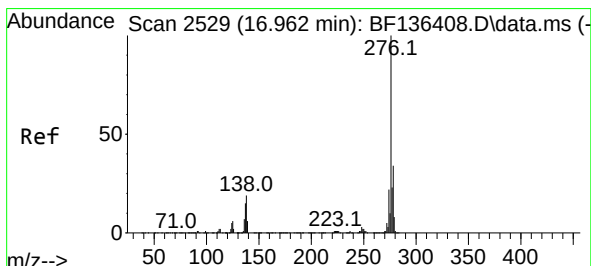
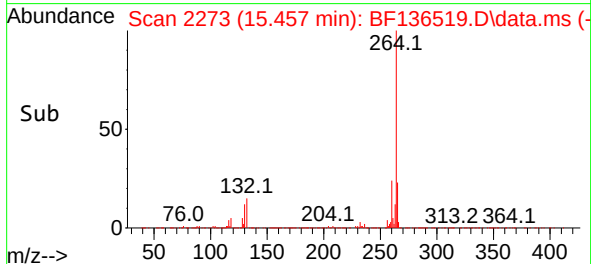
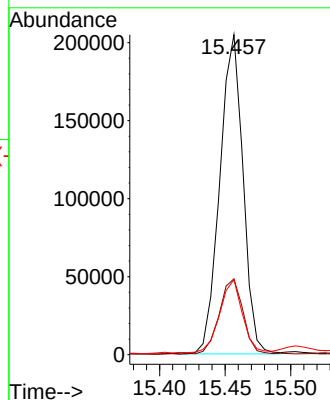
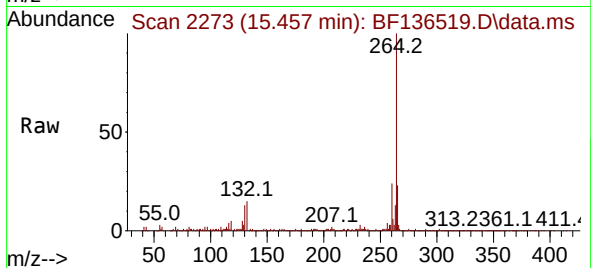
TR-06-120723

Tgt Ion:	264	Resp:	25156
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	23.5	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.031 ng

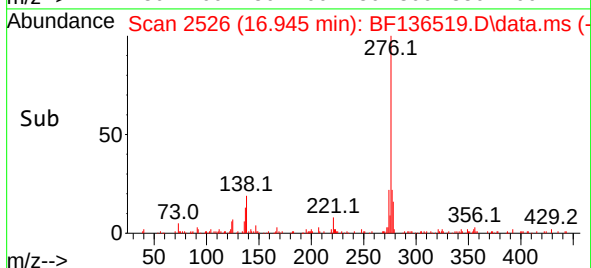
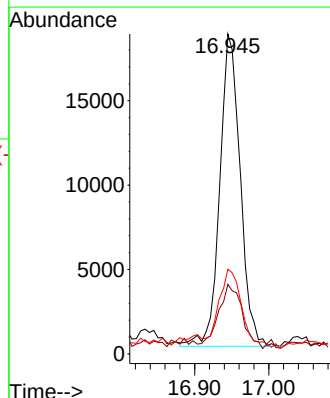
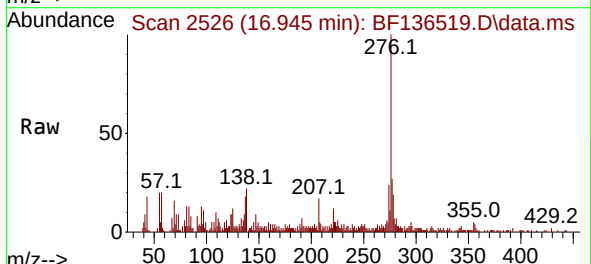
RT: 16.945 min Scan# 2526

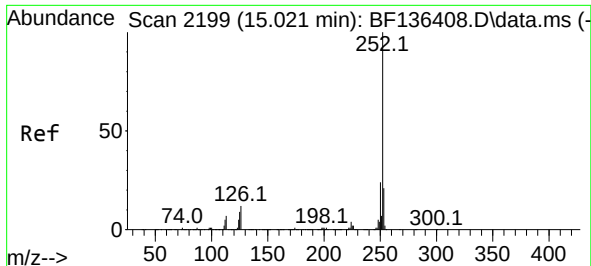
Delta R.T. -0.018 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

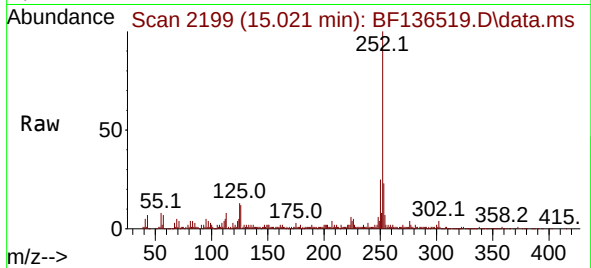
Tgt Ion:	276	Resp:	35490
Ion Ratio	Lower	Upper	
276	100		
138	24.1	19.0	28.4
277	29.4	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 6.652 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

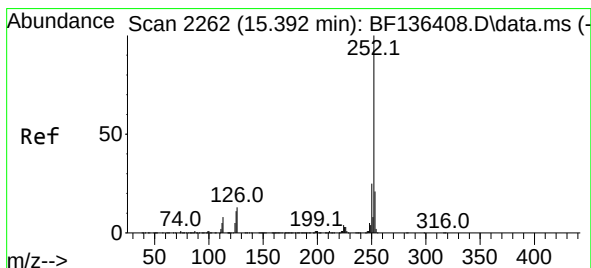
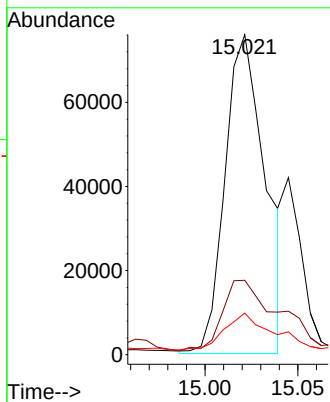
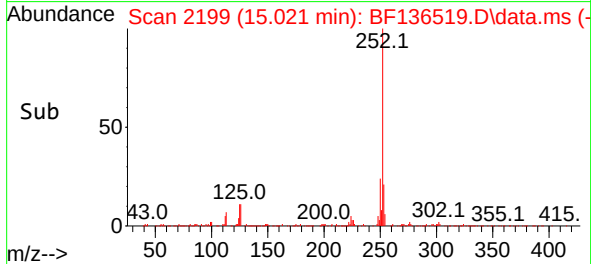
Instrument :
BNA_F
ClientSampleId :
TR-06-120723



Tgt Ion:252 Resp: 114414
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 13.0 7.4 11.2

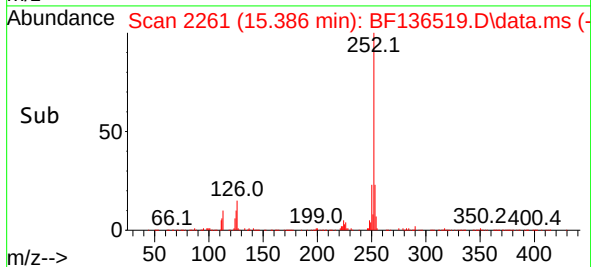
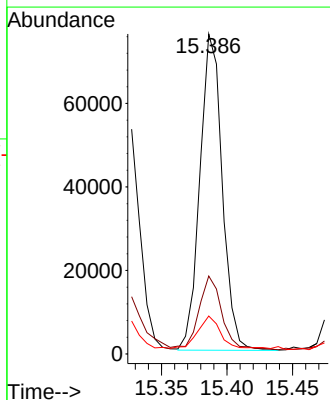
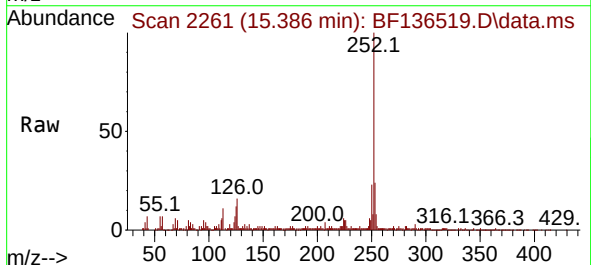
Manual Integrations
APPROVED

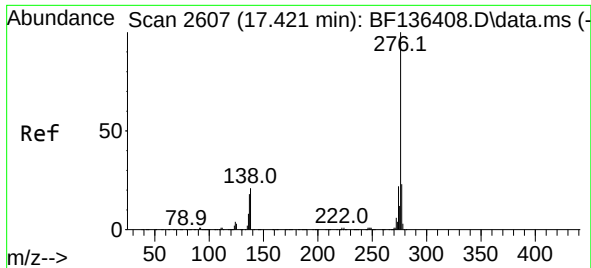
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#90
Benzo(a)pyrene
Concen: 6.341 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136519.D
Acq: 12 Dec 2023 16:49

Tgt Ion:252 Resp: 90065
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.4
125 11.9 8.6 13.0





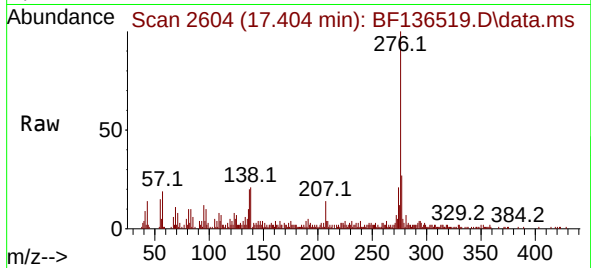
#92
 Benzo(g,h,i)perylene
 Concen: 2.786 ng
 RT: 17.404 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136519.D
 Acq: 12 Dec 2023 16:49

Instrument :

BNA_F

ClientSampleId :

TR-06-120723



Tgt Ion:276 Resp: 40949
 Ion Ratio Lower Upper
 276 100
 277 26.5 18.7 28.1
 138 21.4 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

