

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136699.D
 Acq On : 22 Dec 2023 22:24
 Operator : CG\JU
 Sample : 05765-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-03-9.5-10.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 01:56:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66640	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	228587	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	95322	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	142053	20.000	ng	0.00
76) Chrysene-d12	13.963	240	137123	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	136682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	295144	69.104	ng	0.00
7) Phenol-d6	6.428	99	505061	91.262	ng	-0.01
23) Nitrobenzene-d5	7.345	82	342539	76.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	40845	36.383	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	529485	74.710	ng	-0.01
79) Terphenyl-d14	12.904	244	429036	43.725	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	57906	7.944	ng	# 95
75) Fluoranthene	12.527	202	76775	9.847	ng	96
78) Pyrene	12.757	202	64464	4.789	ng	97
81) Benzo(a)anthracene	13.951	228	38420	4.035	ng	96
83) Chrysene	13.986	228	32005m	3.437	ng	
88) Benzo(b)fluoranthene	15.004	252	39898m	4.370	ng	
90) Benzo(a)pyrene	15.374	252	25698	3.335	ng	# 81

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

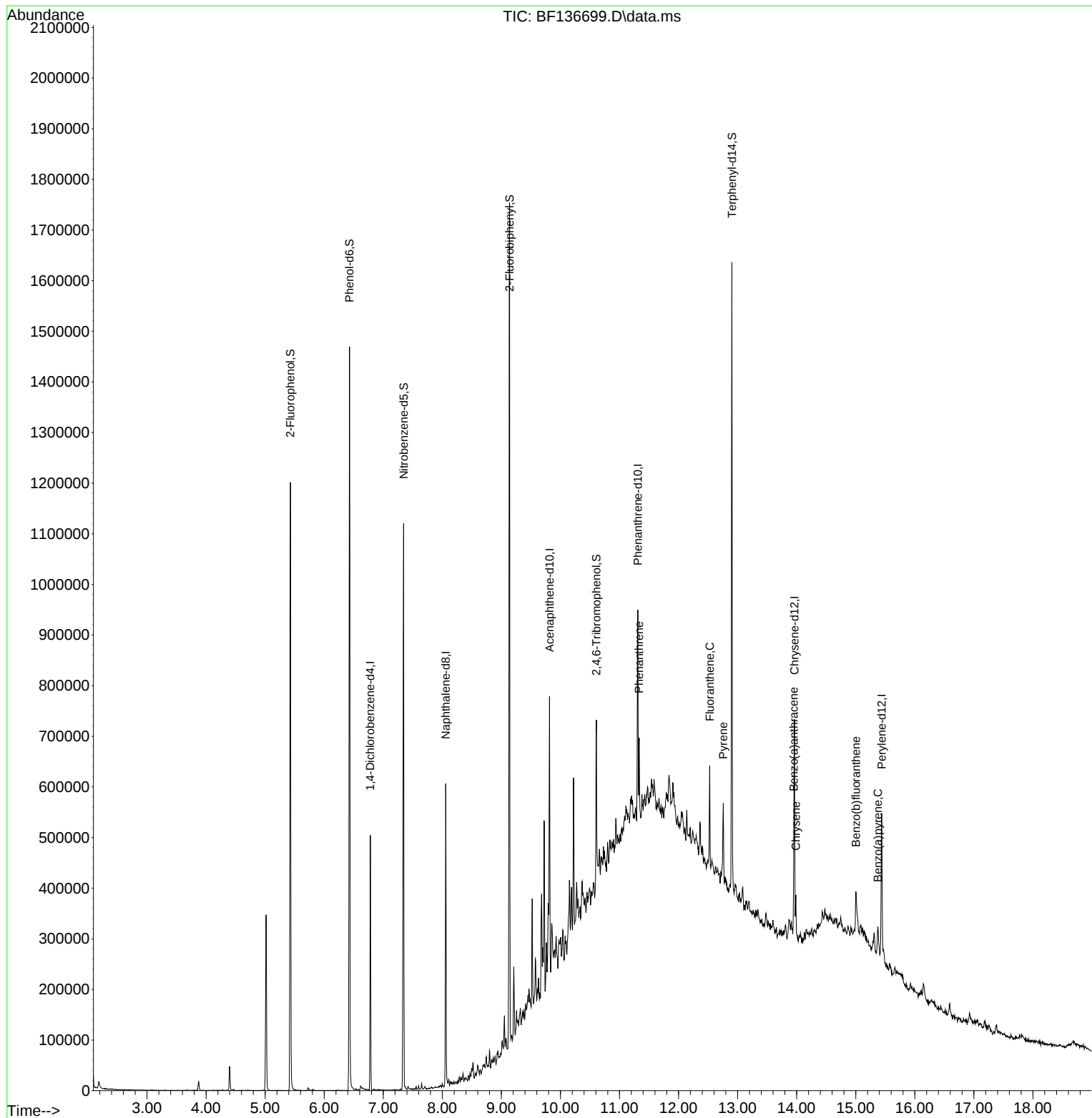
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136699.D
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QLast Update : Thu Dec 21 01:54:25 2023
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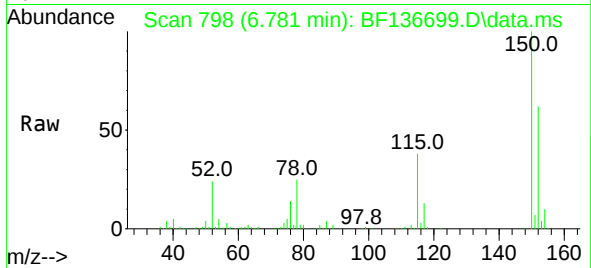
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

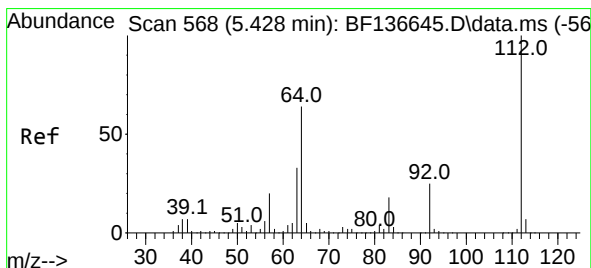
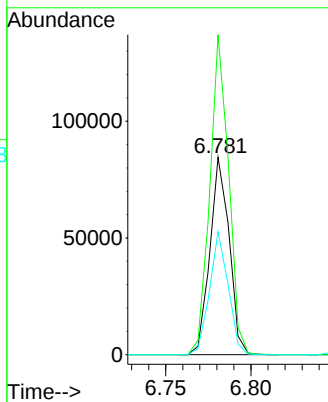
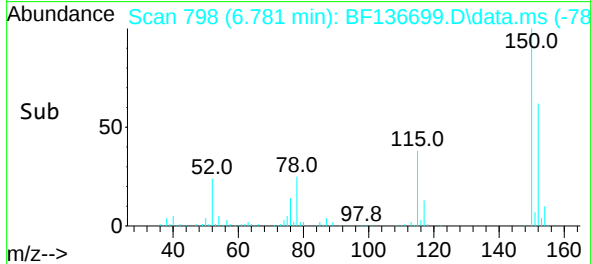
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



Tgt Ion:152 Resp: 66640
Ion Ratio Lower Upper
152 100
150 162.2 127.0 190.6
115 62.4 49.0 73.4

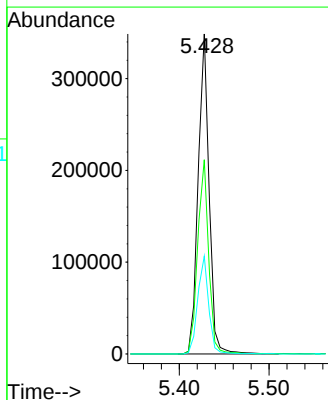
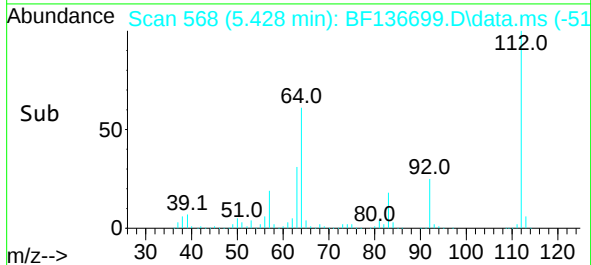
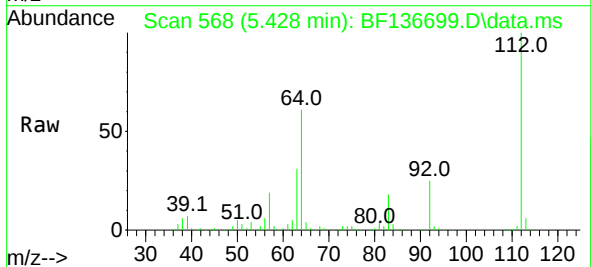
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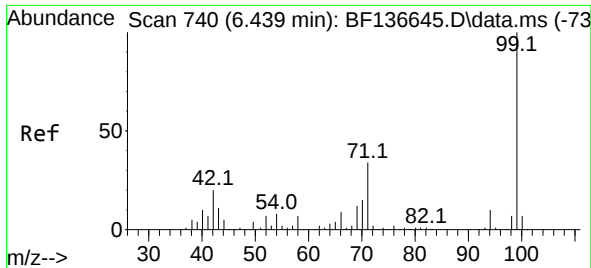
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#5
2-Fluorophenol
Concen: 69.104 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Tgt Ion:112 Resp: 295144
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 30.5 26.1 39.1





#7

Phenol-d6

Concen: 91.262 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136699.D

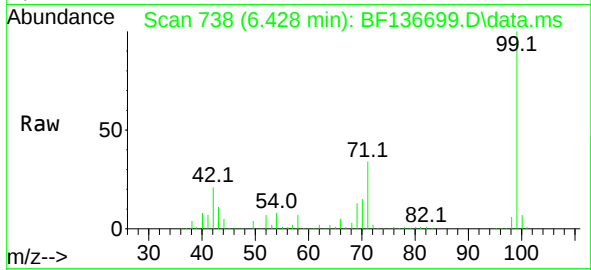
Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5



Tgt Ion: 99 Resp: 50506

Ion Ratio Lower Upper

99 100

42 20.8 16.1 24.1

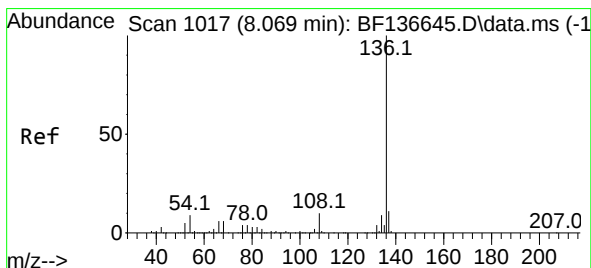
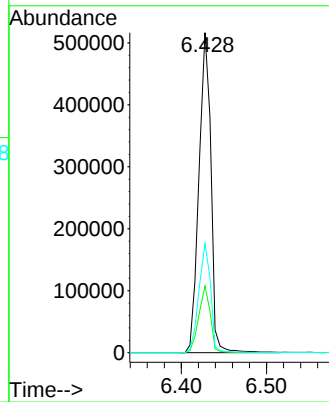
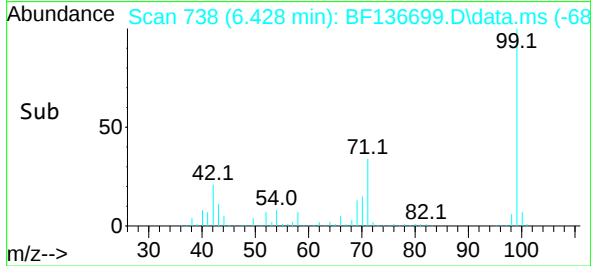
71 34.1 27.4 41.2

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Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Tgt Ion:136 Resp: 228587

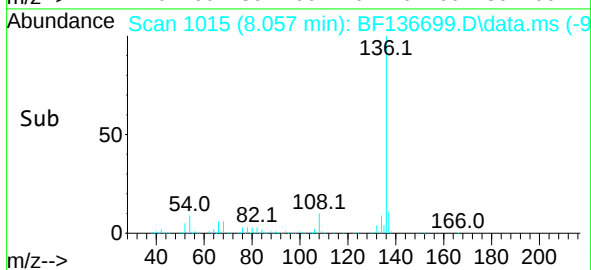
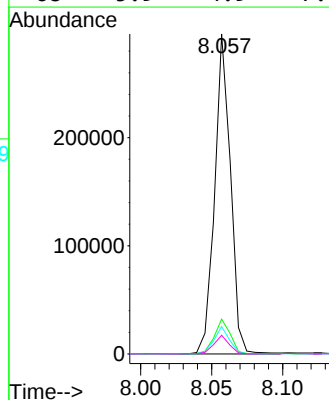
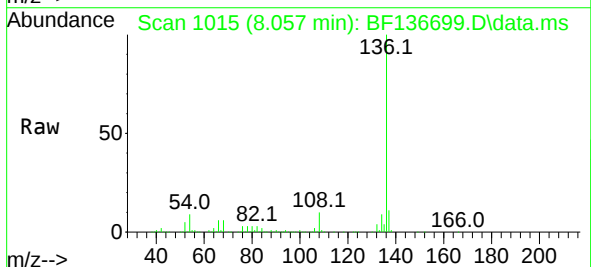
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 8.5 7.2 10.8

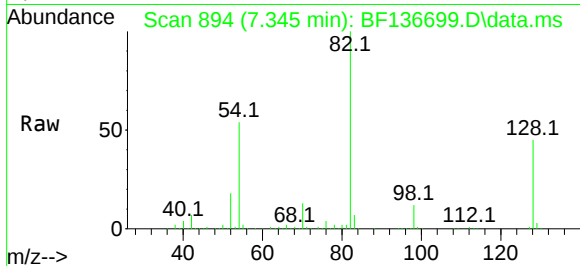
68 5.9 4.9 7.3





#23
Nitrobenzene-d5
Concen: 76.680 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

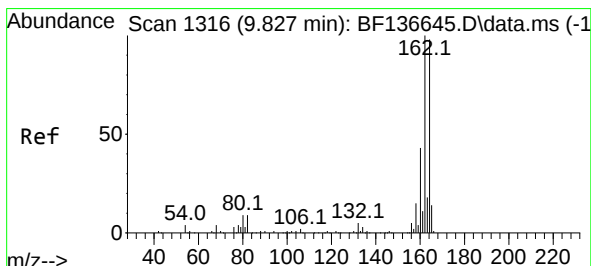
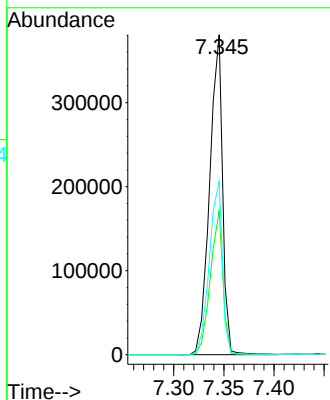
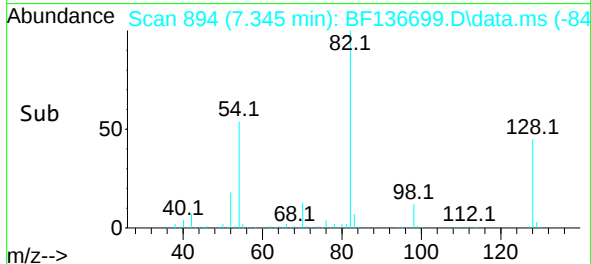
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



Tgt Ion: 82 Resp: 342539
Ion Ratio Lower Upper
82 100
128 45.0 35.3 52.9
54 54.2 44.5 66.7

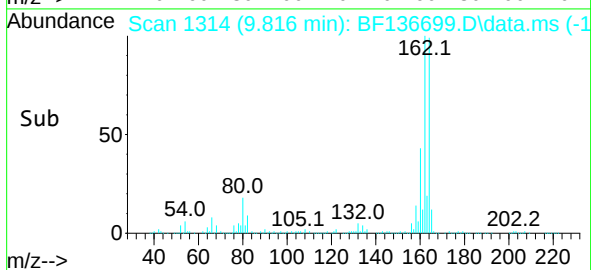
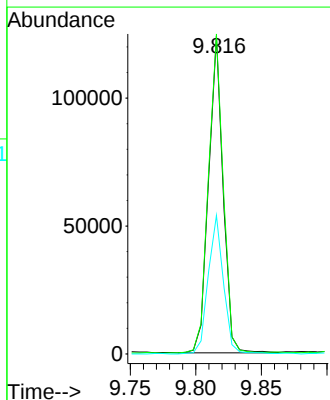
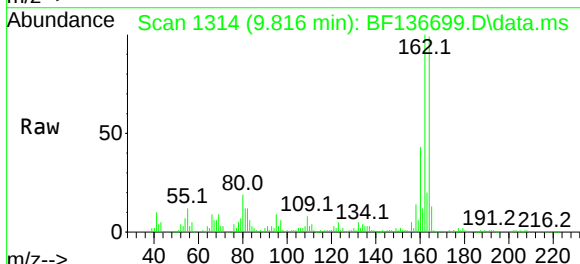
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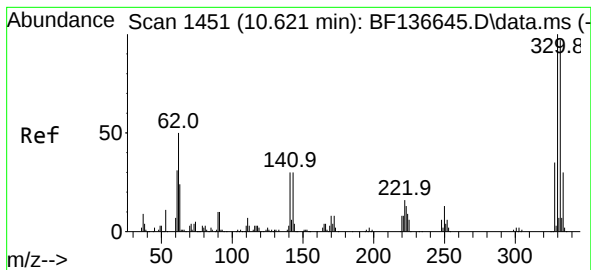
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

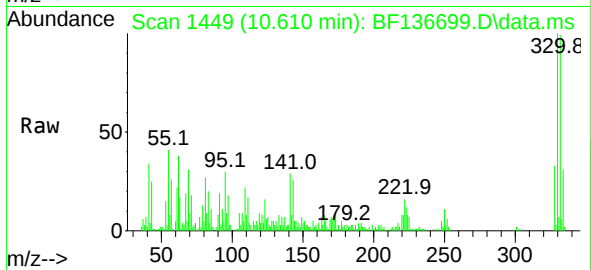
Tgt Ion:164 Resp: 95322
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 43.6 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 36.383 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

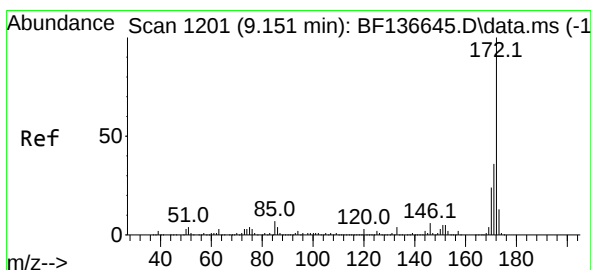
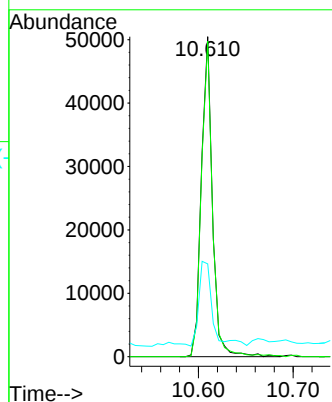
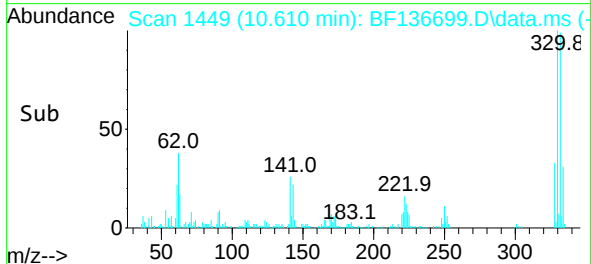
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



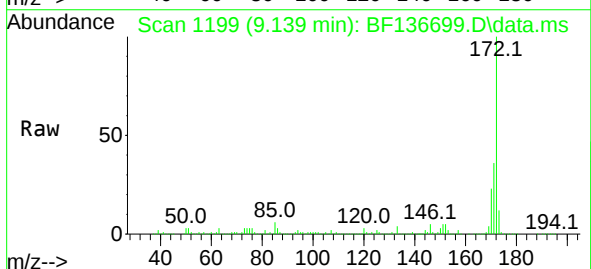
Tgt Ion:330 Resp: 40845
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 28.0 23.4 35.2

Manual Integrations
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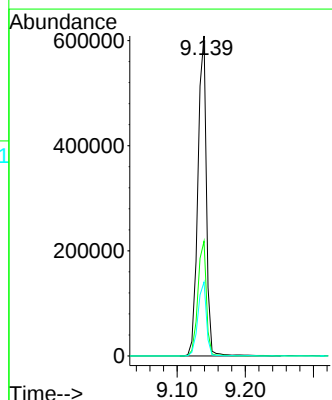
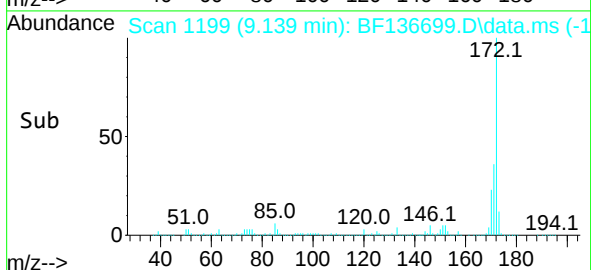
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

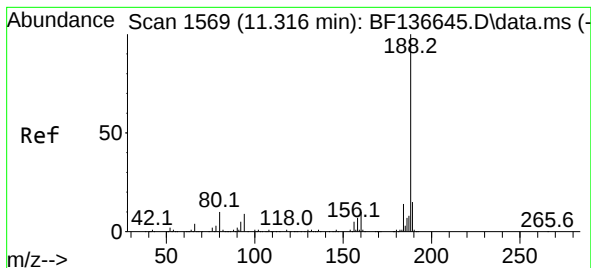


#45
2-Fluorobiphenyl
Concen: 74.710 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24



Tgt Ion:172 Resp: 529485
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 23.1 19.0 28.4





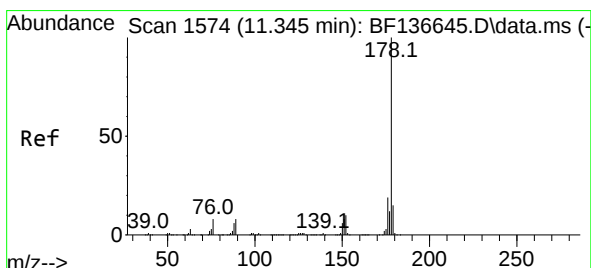
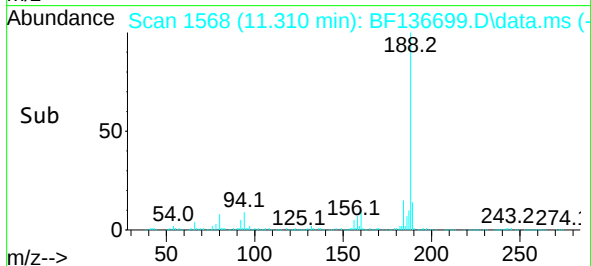
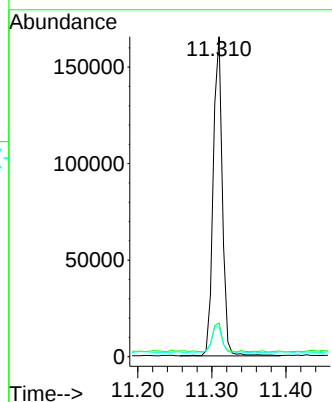
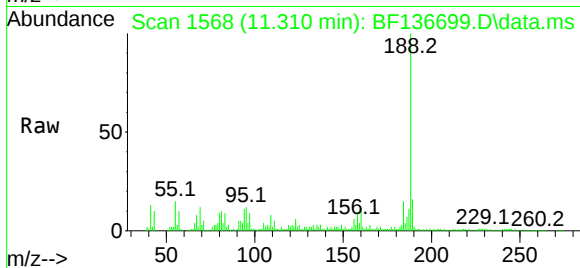
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5

Tgt Ion:188 Resp: 14205
Ion Ratio Lower Upper
188 100
94 10.5 7.5 11.3
80 9.3 8.1 12.1

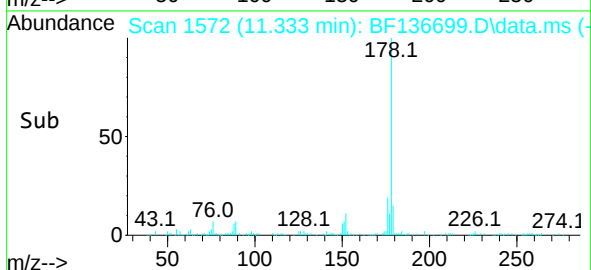
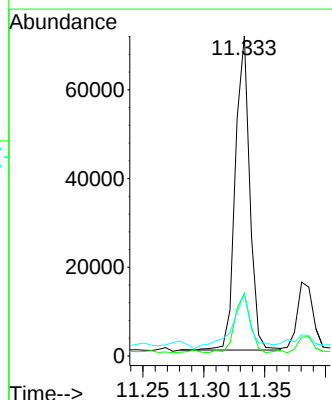
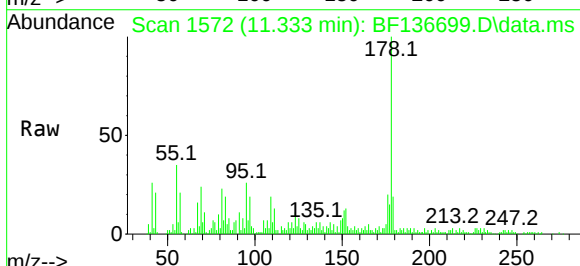
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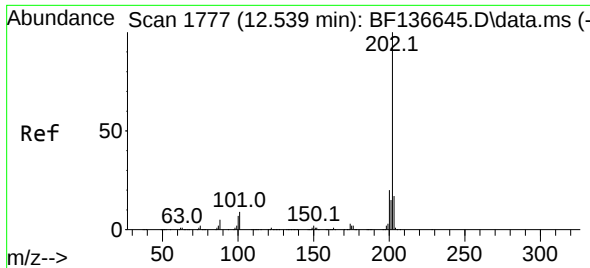
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#71
Phenanthrene
Concen: 7.944 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

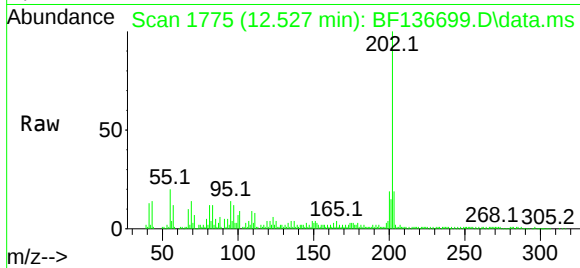
Tgt Ion:178 Resp: 57906
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 19.3 11.9 17.9#





#75
Fluoranthene
Concen: 9.847 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

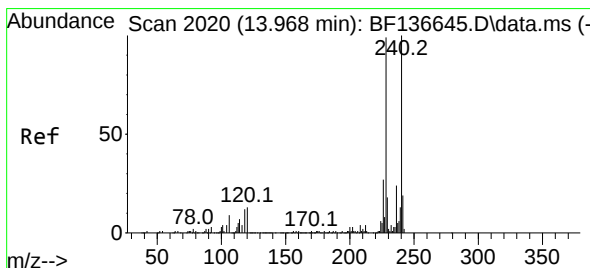
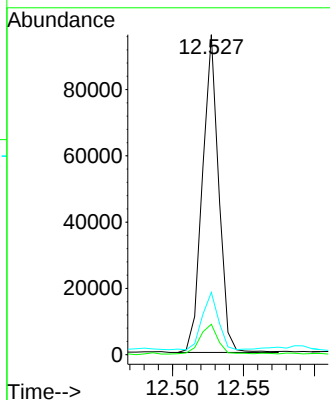
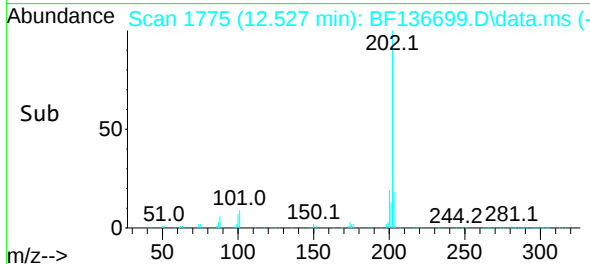
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



Tgt Ion:202 Resp: 76775
Ion Ratio Lower Upper
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101 9.5 0.0 29.3
203 19.5 0.0 37.1

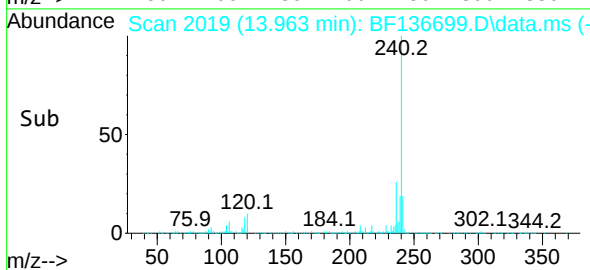
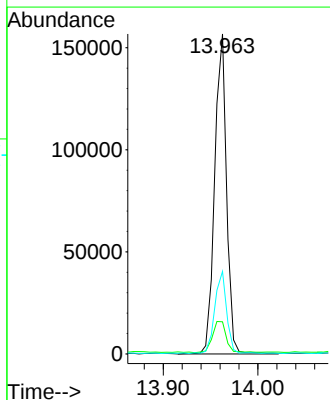
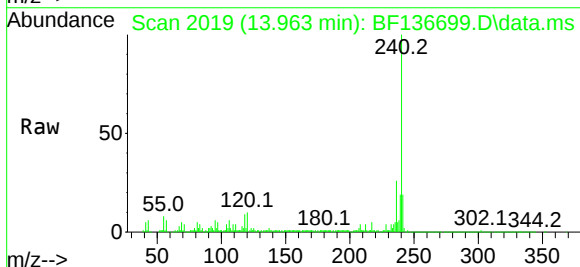
Manual Integrations
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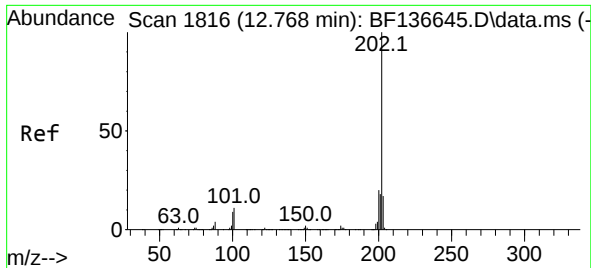
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

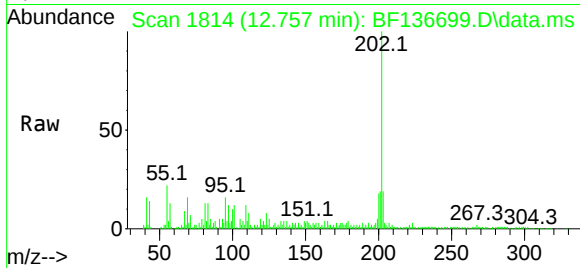
Tgt Ion:240 Resp: 137123
Ion Ratio Lower Upper
240 100
120 10.1 10.3 15.5#
236 25.8 19.4 29.2





#78
Pyrene
Concen: 4.789 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

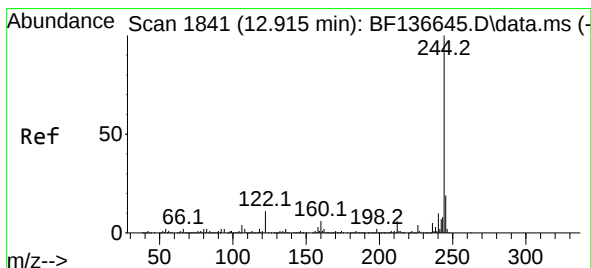
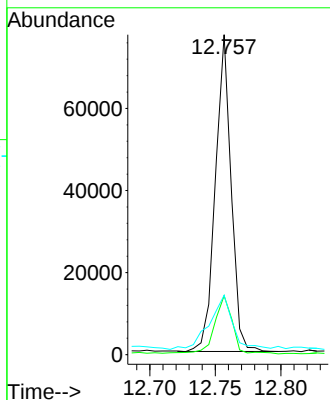
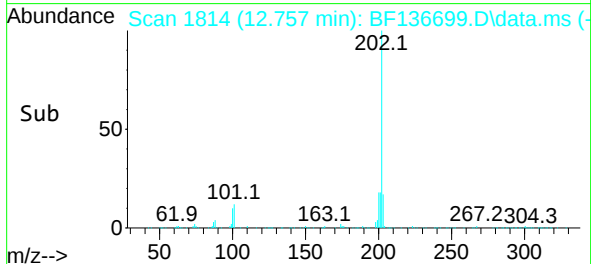
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



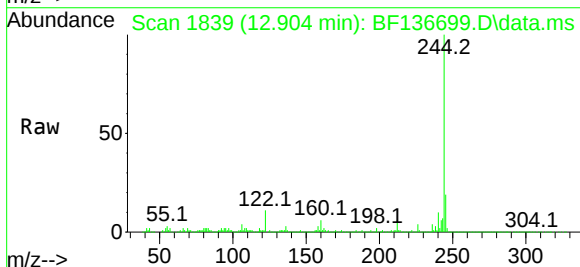
Tgt Ion:202 Resp: 64464
Ion Ratio Lower Upper
202 100
200 18.4 15.9 23.9
203 18.6 13.8 20.6

Manual Integrations
APPROVED

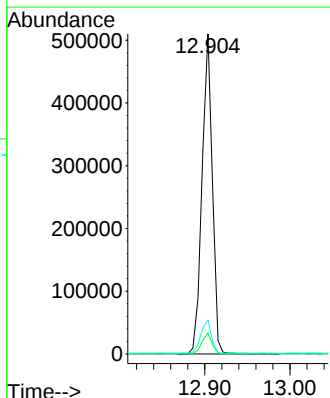
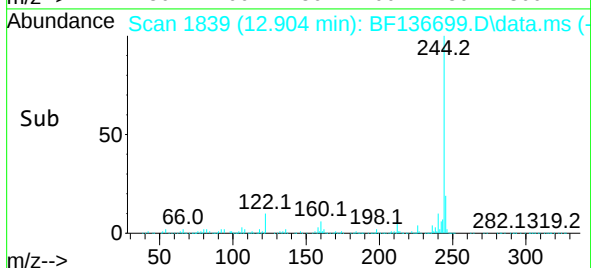
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

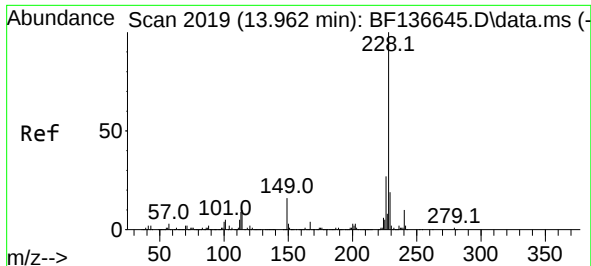


#79
Terphenyl-d14
Concen: 43.725 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24



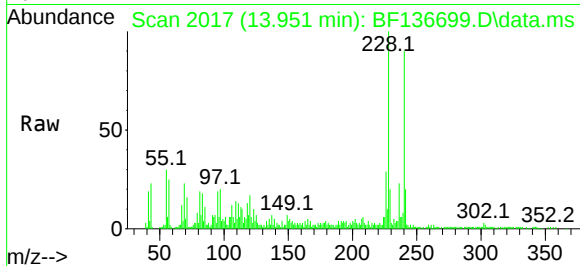
Tgt Ion:244 Resp: 429036
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 10.6 9.0 13.4





#81
Benzo(a)anthracene
Concen: 4.035 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

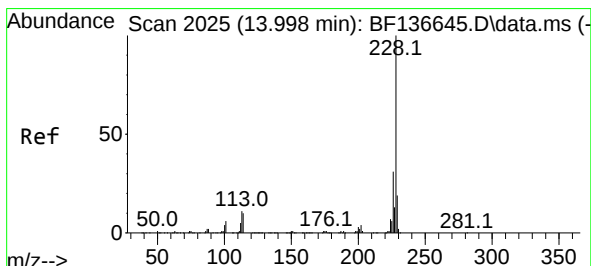
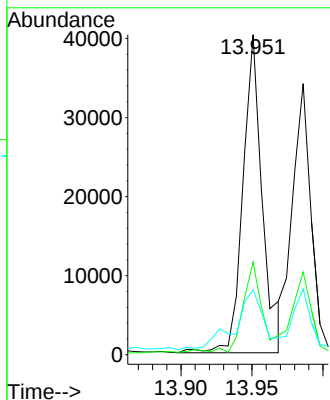
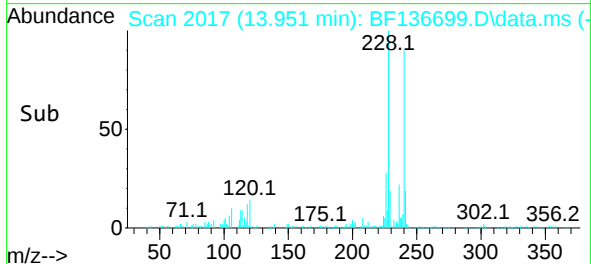
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



Tgt Ion:228 Resp: 38420
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 20.3 14.9 22.3

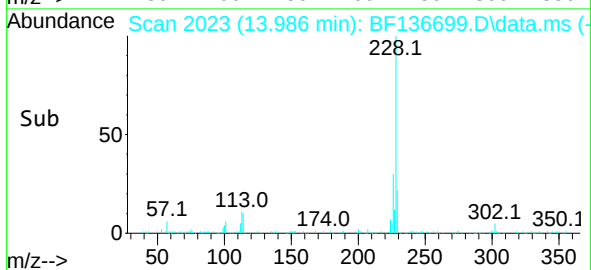
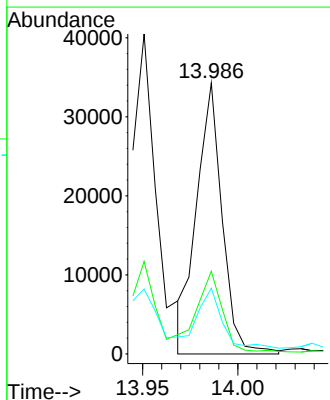
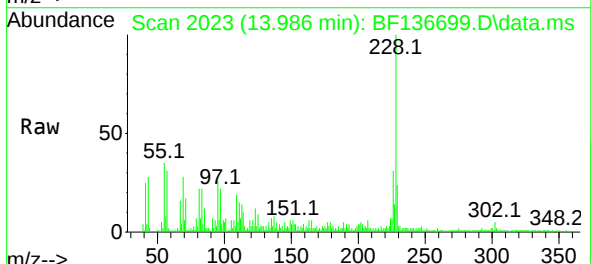
Manual Integrations
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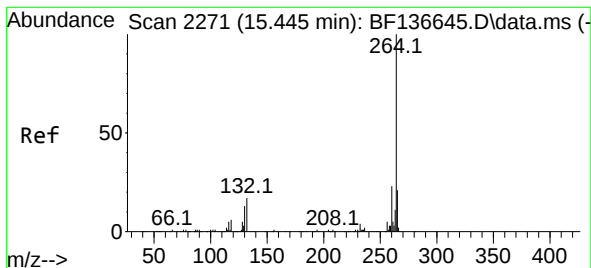
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#83
Chrysene
Concen: 3.437 ng m
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Tgt Ion:228 Resp: 32005
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 24.3 15.4 23.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

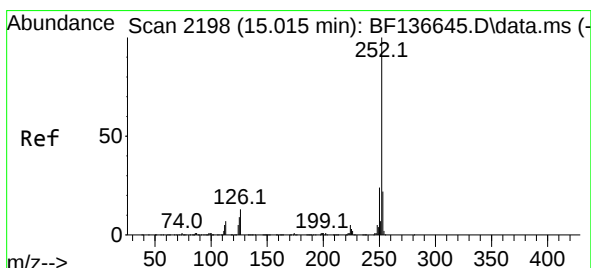
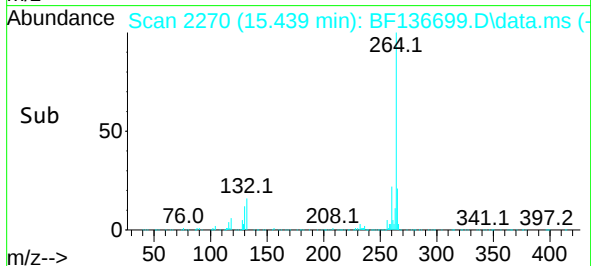
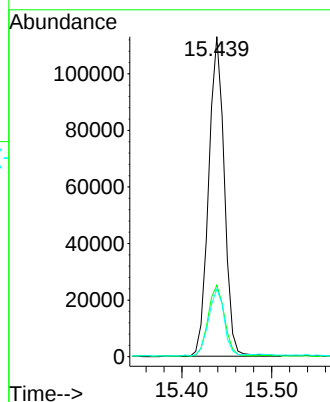
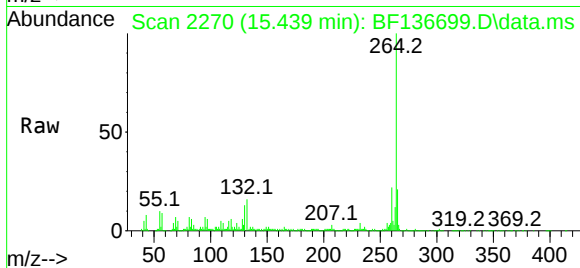
RT-SB-03-9.5-10.5

Tgt Ion:264 Resp: 136682
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.3 27.5
 265 21.1 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023



#88

Benzo(b)fluoranthene

Concen: 4.370 ng m

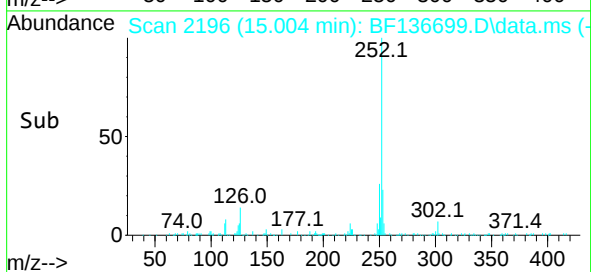
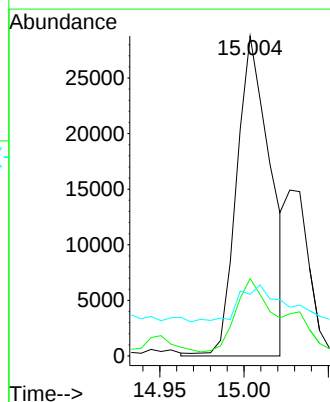
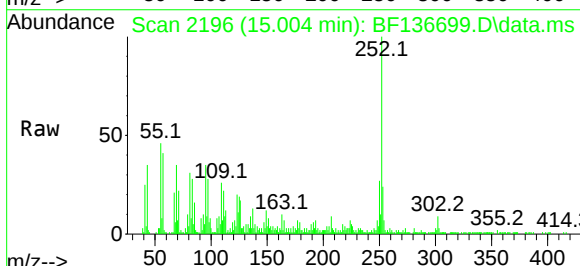
RT: 15.004 min Scan# 2196

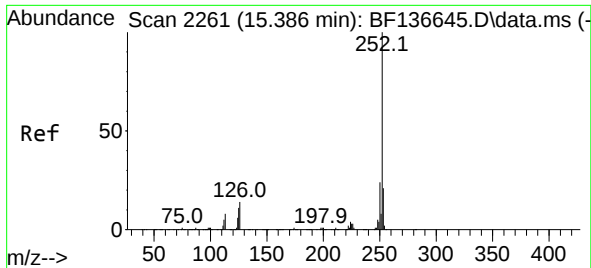
Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

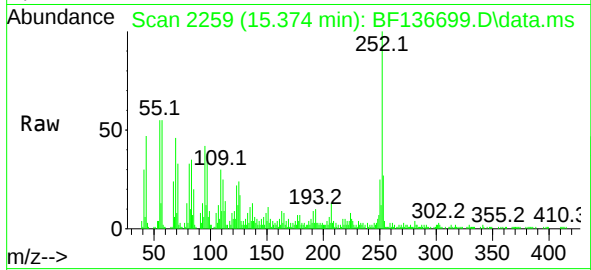
Tgt Ion:252 Resp: 39898
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.4 26.0
 125 19.3 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 3.335 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5



Tgt Ion:252 Resp: 25698
Ion Ratio Lower Upper
252 100
253 26.6 17.0 25.6
125 23.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

