

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136702.D
 Acq On : 23 Dec 2023 00:02
 Operator : CG\JU
 Sample : 05796-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-05-10.25-11.25

Quant Time: Dec 23 01:58:15 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	65953	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	217896	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86260	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	155855	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	137093	20.000	ng	0.00
86) Perylene-d12	15.445	264	92947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	7682	1.817	ng	0.00
7) Phenol-d6	6.428	99	202244	36.925	ng	-0.01
23) Nitrobenzene-d5	7.339	82	241846	56.796	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	118	0.116	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	413882	64.533	ng	-0.02
79) Terphenyl-d14	12.904	244	442084	45.064	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	50381	6.300	ng	99
75) Fluoranthene	12.521	202	104889	12.262	ng	97
78) Pyrene	12.757	202	93473	6.946	ng	99
81) Benzo(a)anthracene	13.951	228	50990	5.356	ng	94
83) Chrysene	13.986	228	45696	4.909	ng	95
87) Indeno(1,2,3-cd)pyrene	16.939	276	17474	2.604	ng	98
88) Benzo(b)fluoranthene	15.009	252	42365m	6.824	ng	
89) Benzo(k)fluoranthene	15.039	252	16630m	2.835	ng	
90) Benzo(a)pyrene	15.380	252	24940	4.759	ng	# 69
92) Benzo(g,h,i)perylene	17.392	276	16605	2.945	ng	96

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

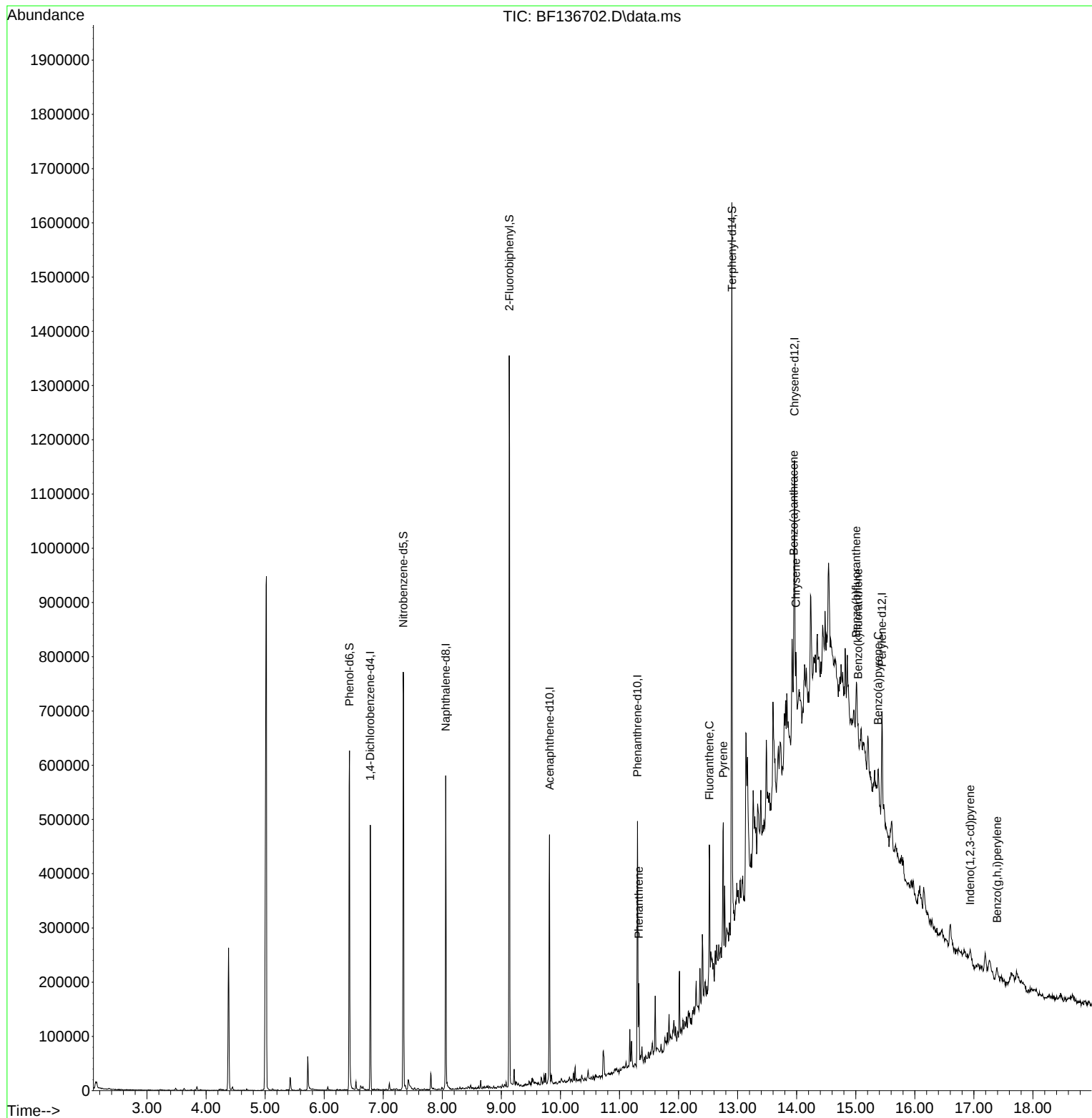
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136702.D
Acq On : 23 Dec 2023 00:02
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Sample : 05796-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

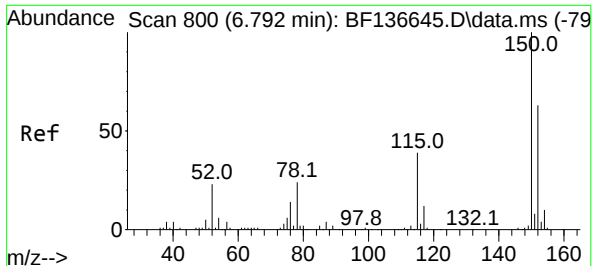
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

Quant Time: Dec 23 01:58:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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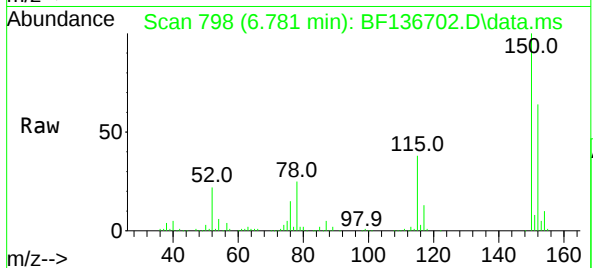
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

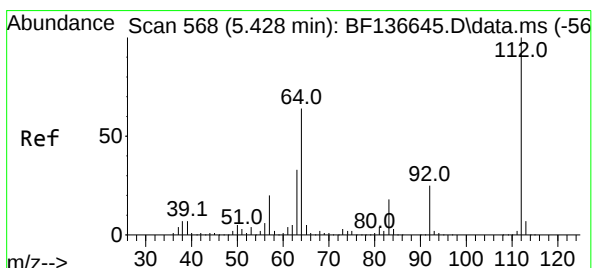
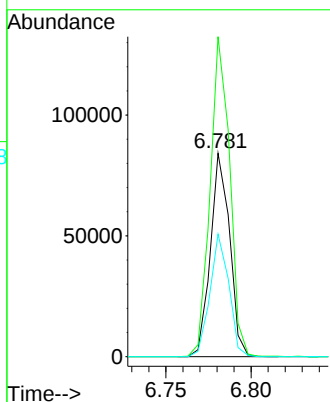
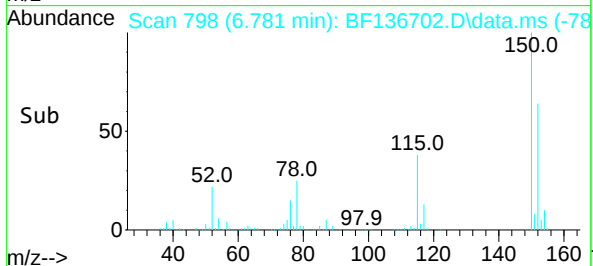
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25



Tgt Ion:152 Resp: 6595
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 60.3 49.0 73.4

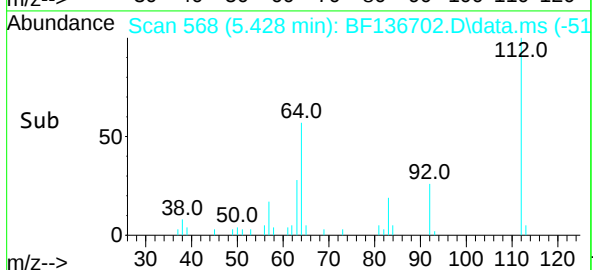
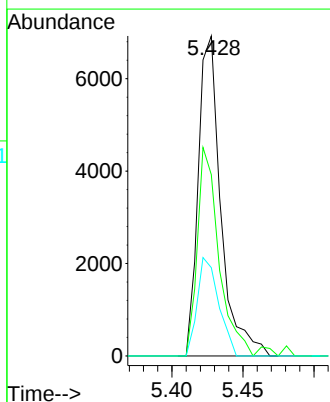
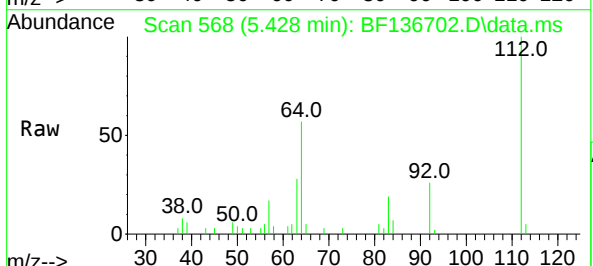
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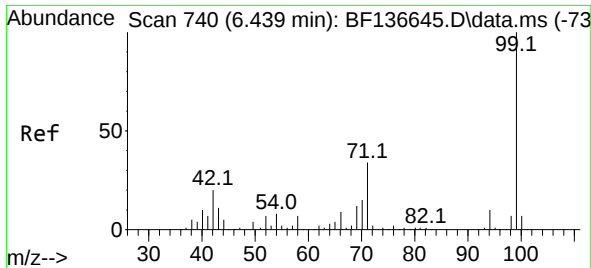
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#5
2-Fluorophenol
Concen: 1.817 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

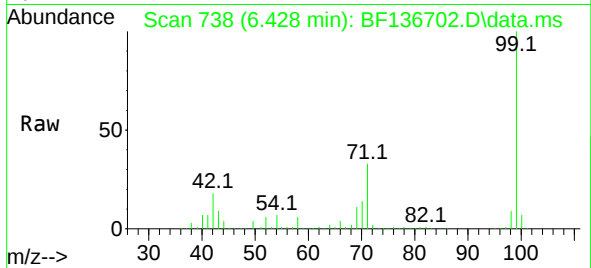
Tgt Ion:112 Resp: 7682
Ion Ratio Lower Upper
112 100
64 56.7 51.1 76.7
63 27.6 26.1 39.1





#7
Phenol-d6
Concen: 36.925 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

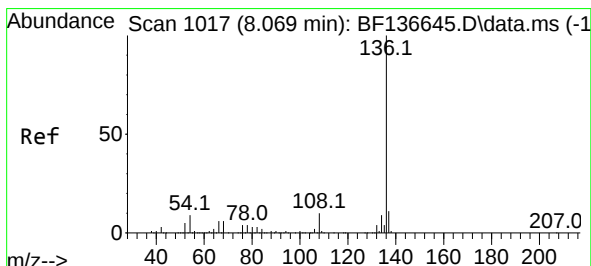
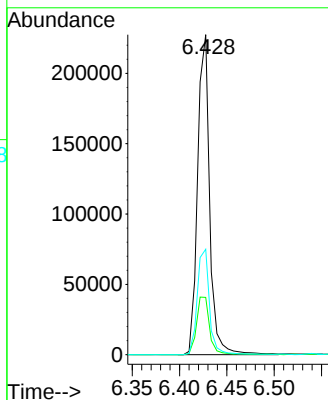
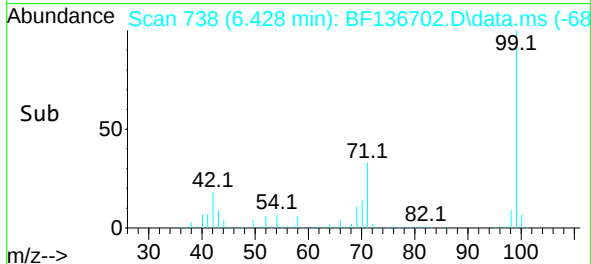
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25



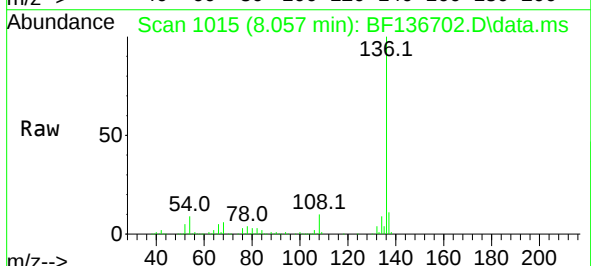
Tgt Ion: 99 Resp: 20224
Ion Ratio Lower Upper
99 100
42 17.9 16.1 24.1
71 33.0 27.4 41.2

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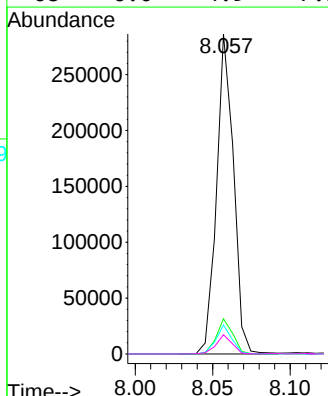
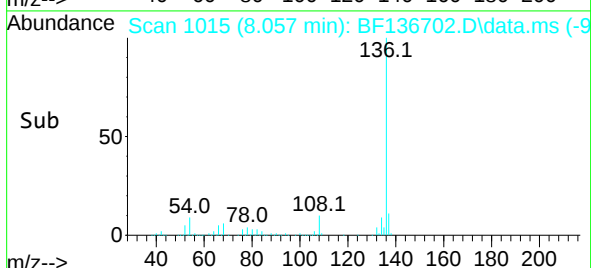
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

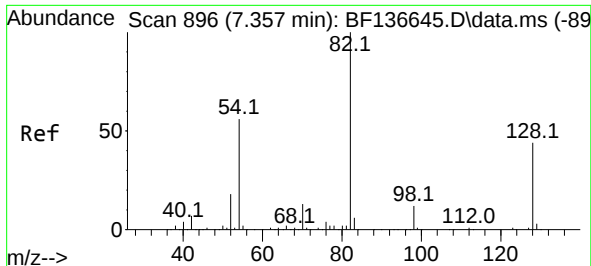


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02



Tgt Ion:136 Resp: 217896
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.0 7.2 10.8
68 6.0 4.9 7.3





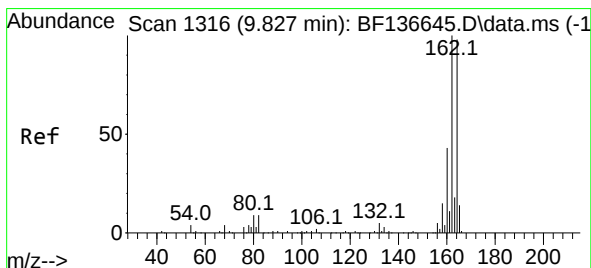
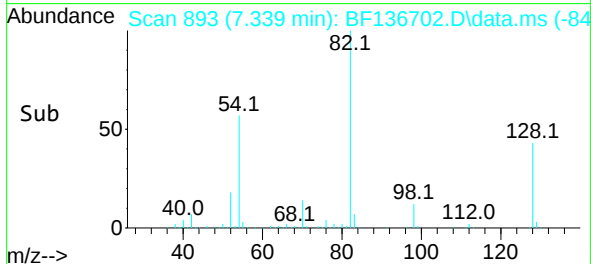
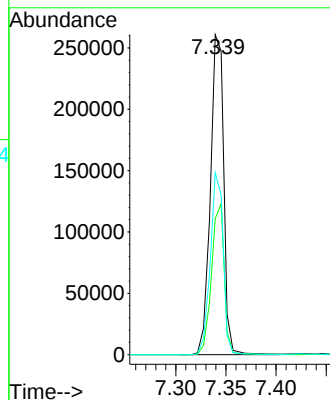
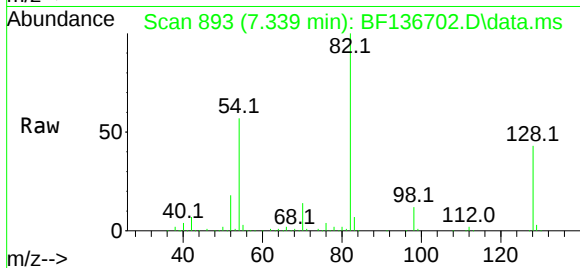
#23
Nitrobenzene-d5
Concen: 56.796 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

Tgt Ion: 82 Resp: 241840
Ion Ratio Lower Upper
82 100
128 42.5 35.3 52.9
54 56.8 44.5 66.7

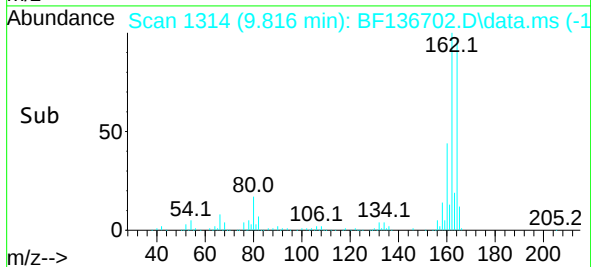
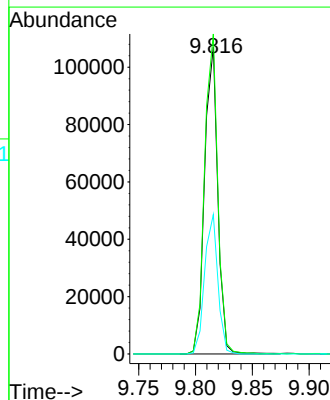
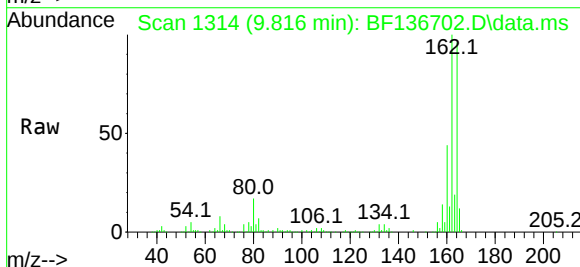
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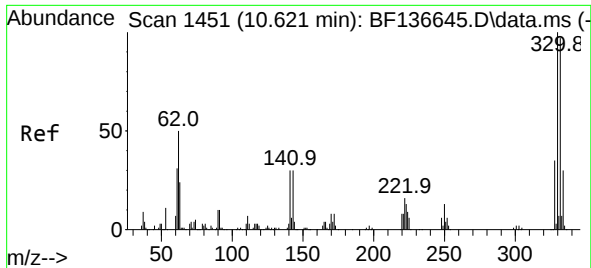
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

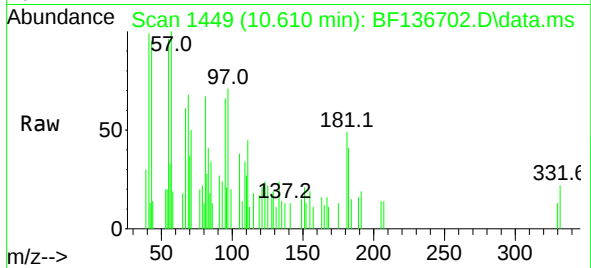
Tgt Ion:164 Resp: 86260
Ion Ratio Lower Upper
164 100
162 104.3 81.6 122.4
160 45.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 0.116 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

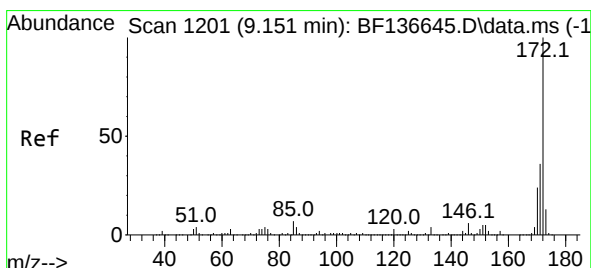
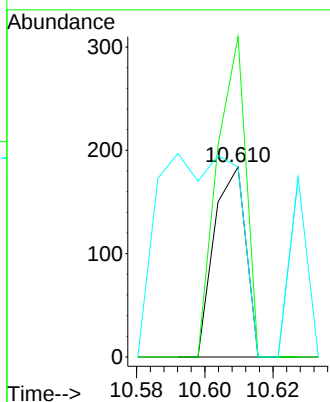
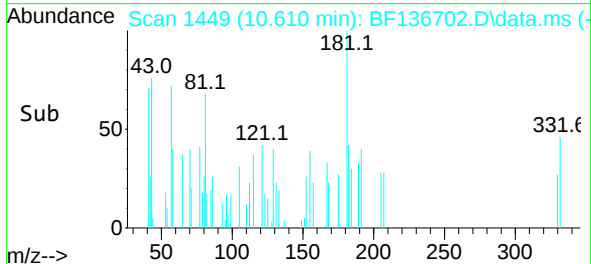
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25



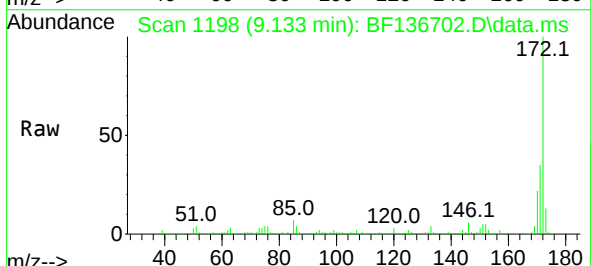
Tgt Ion: 330 Resp: 118
Ion Ratio Lower Upper
330 100
332 154.2 77.4 116.0
141 274.6 23.4 35.2

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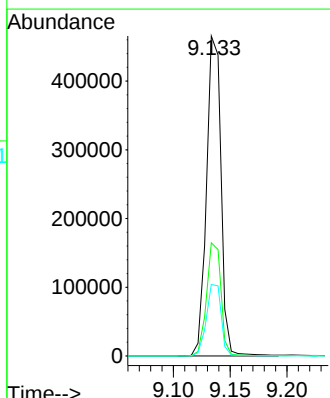
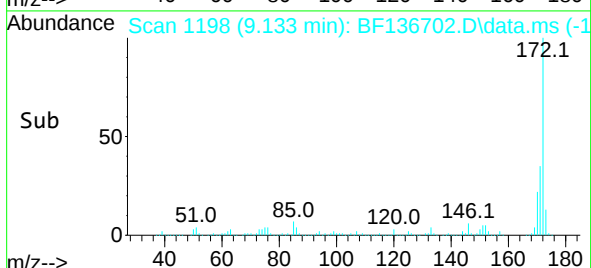
Reviewed By : Yogesh Patel 12/25/2023
Supervised By : mohammad ahmed 12/25/2023

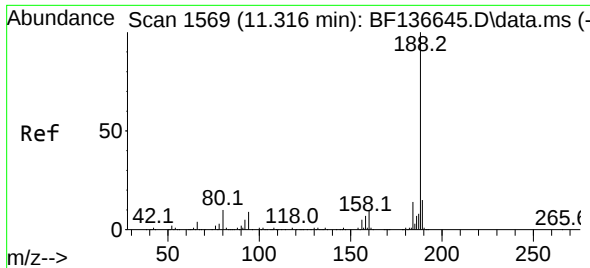


#45
2-Fluorobiphenyl
Concen: 64.533 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02



Tgt Ion: 172 Resp: 413882
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 22.4 19.0 28.4





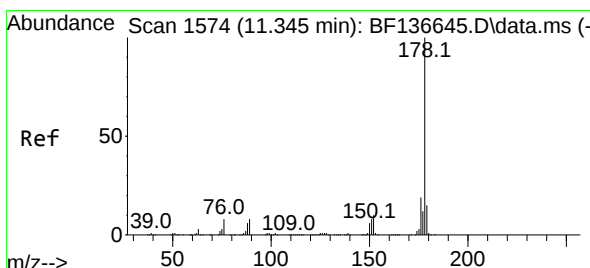
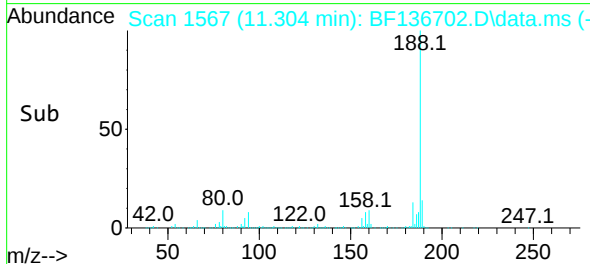
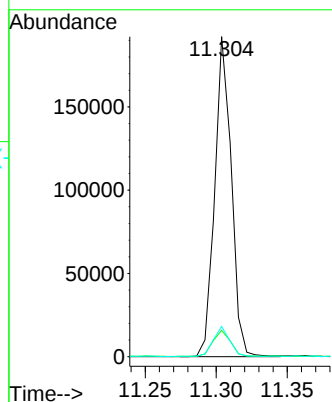
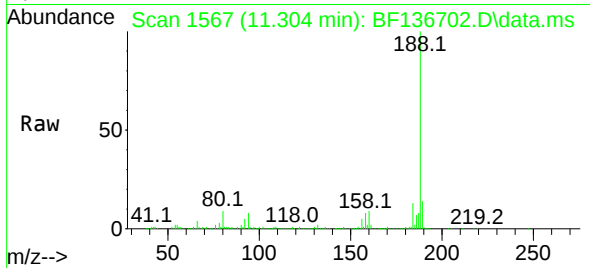
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

Tgt Ion:188 Resp: 15585
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.4 8.1 12.1

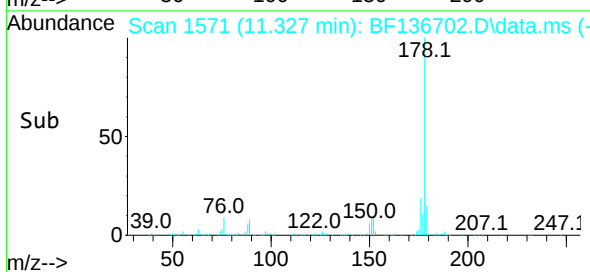
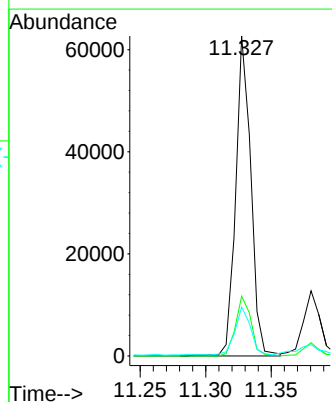
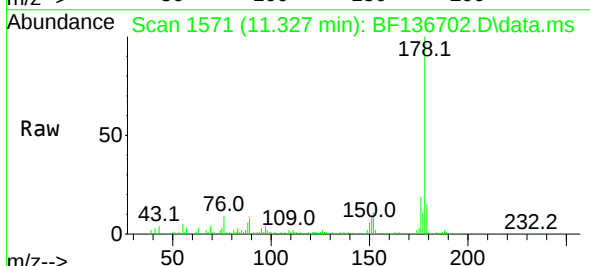
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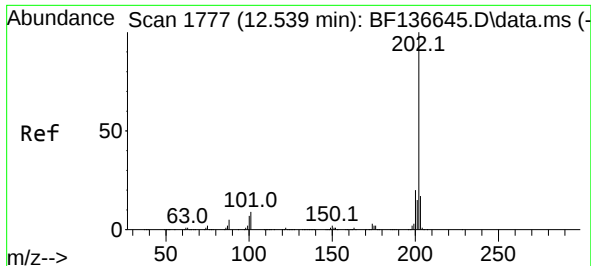
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#71
Phenanthrene
Concen: 6.300 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

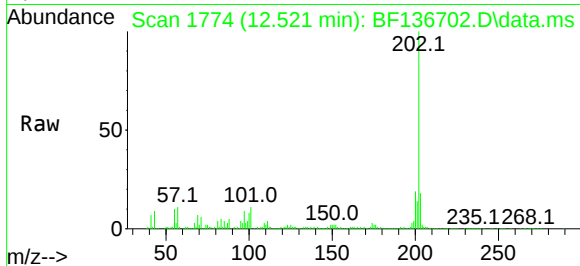
Tgt Ion:178 Resp: 50381
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.3 11.9 17.9





#75
Fluoranthene
Concen: 12.262 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

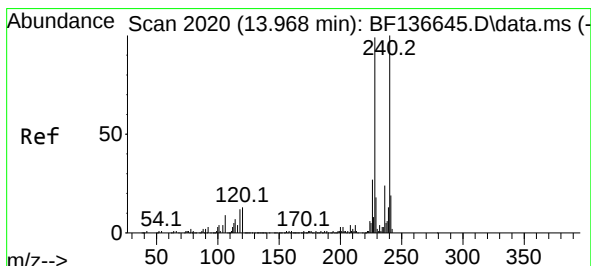
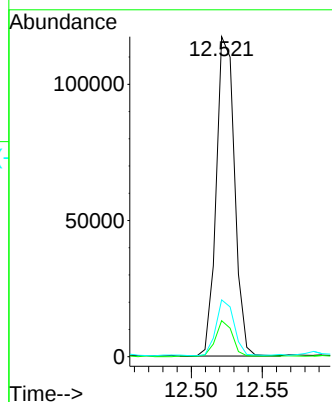
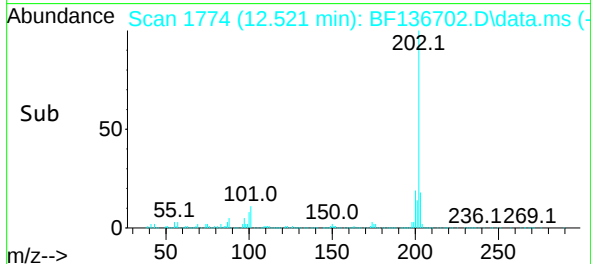
Instrument :
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RT-SB-05-10.25-11.25



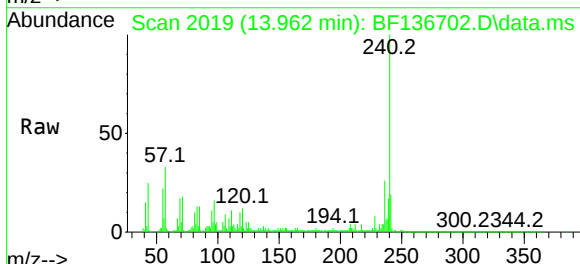
Tgt Ion:202 Resp: 104889
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.7 0.0 37.1

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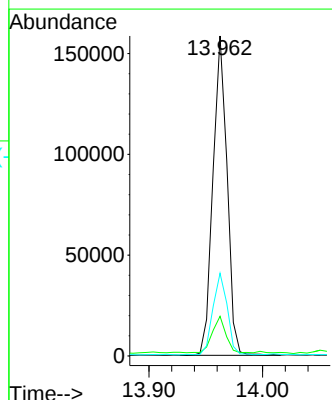
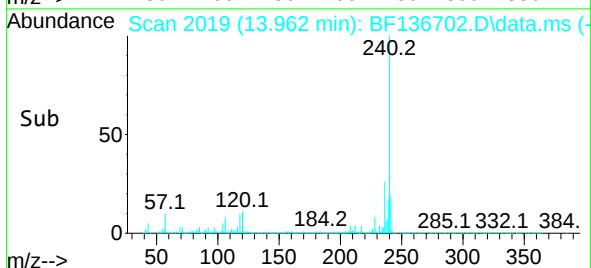
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

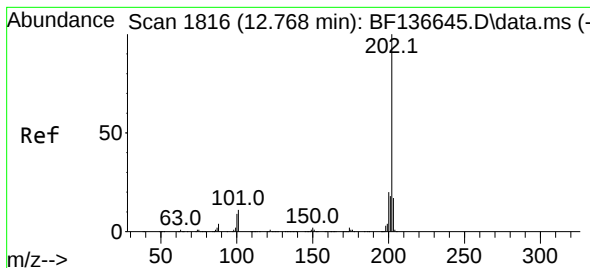


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02



Tgt Ion:240 Resp: 137093
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 25.9 19.4 29.2





#78

Pyrene

Concen: 6.946 ng

RT: 12.757 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25

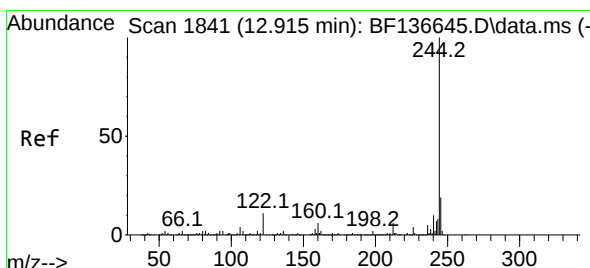
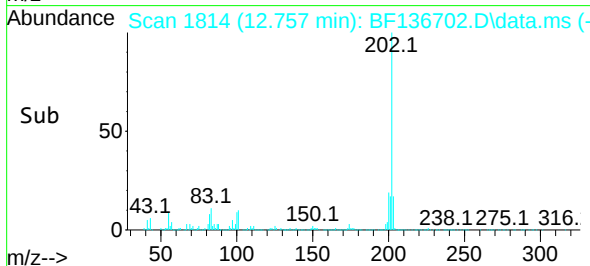
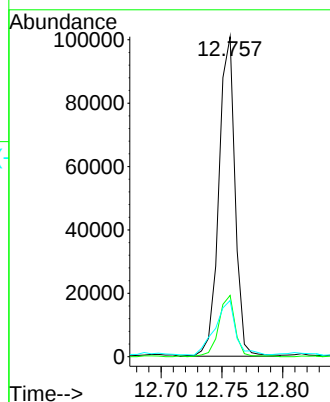
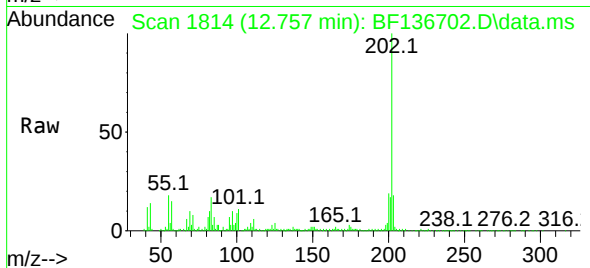
Tgt Ion:202	Resp:	9347
Ion Ratio	Lower	Upper
202	100	
200	19.2	15.9 23.9
203	17.5	13.8 20.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 45.064 ng

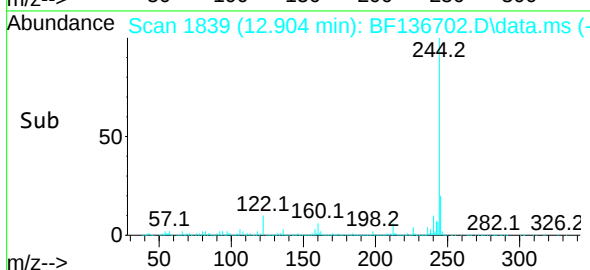
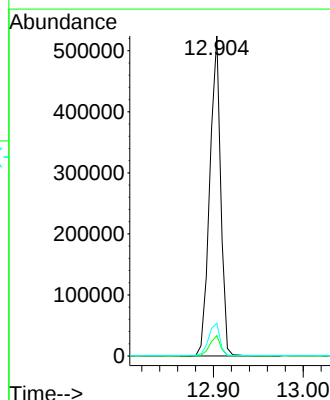
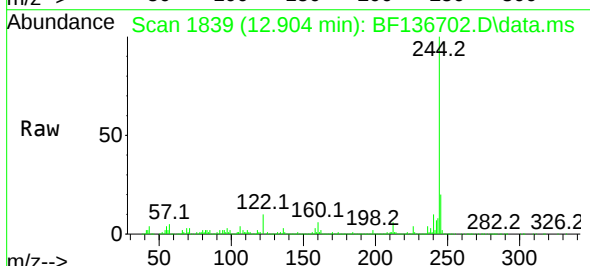
RT: 12.904 min Scan# 1839

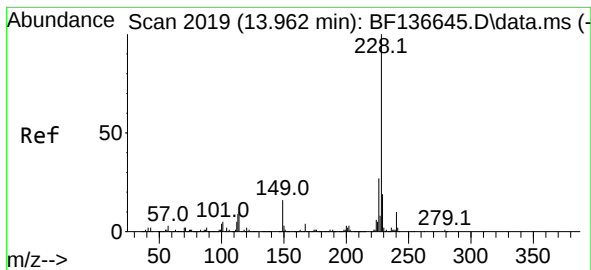
Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Tgt Ion:244	Resp:	442084
Ion Ratio	Lower	Upper
244	100	
212	6.4	5.0 7.4
122	10.3	9.0 13.4





#81

Benzo(a)anthracene

Concen: 5.356 ng

RT: 13.951 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Instrument :

BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25

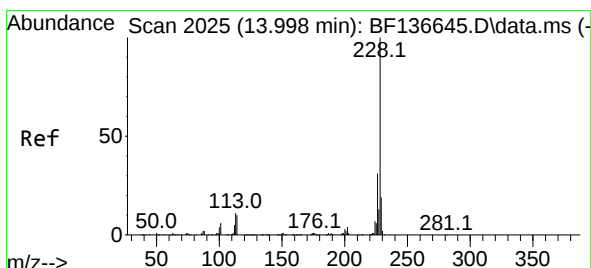
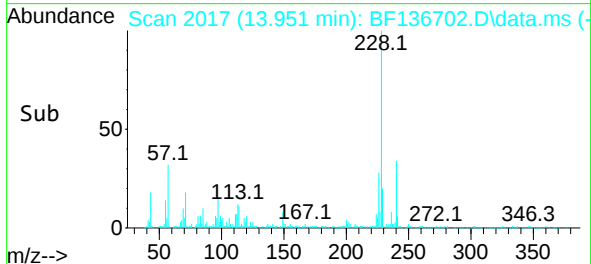
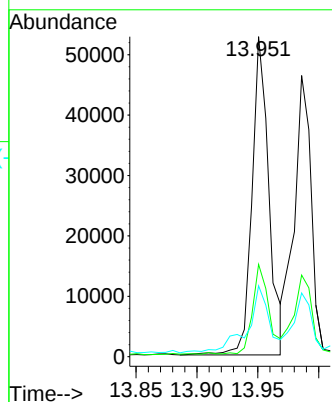
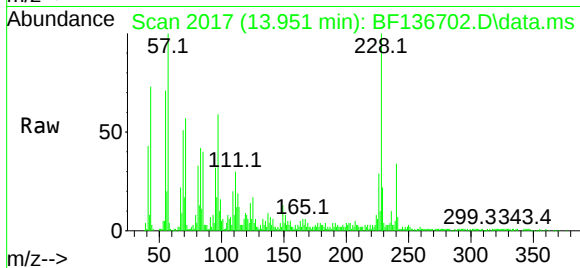
Tgt Ion:228	Resp:	50990
Ion Ratio	Lower	Upper
228	100	
226	28.9	21.4 32.0
229	22.1	14.9 22.3

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Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#83

Chrysene

Concen: 4.909 ng

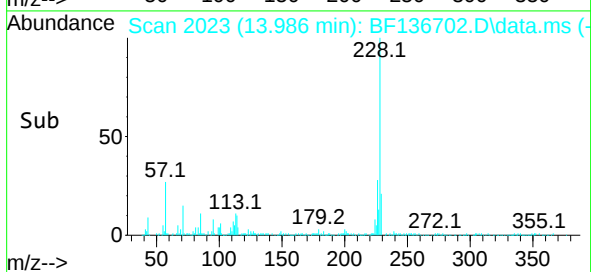
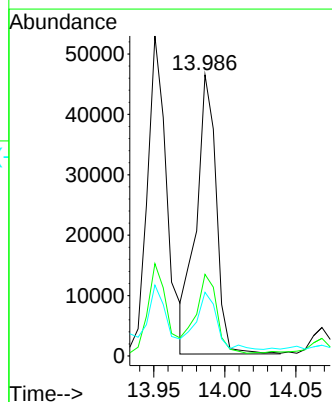
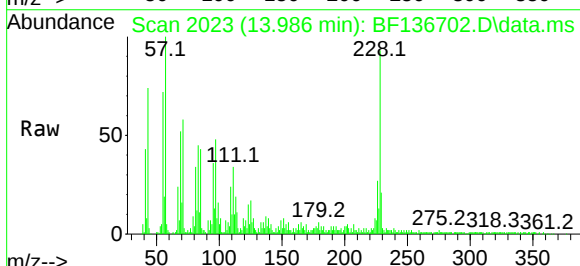
RT: 13.986 min Scan# 2023

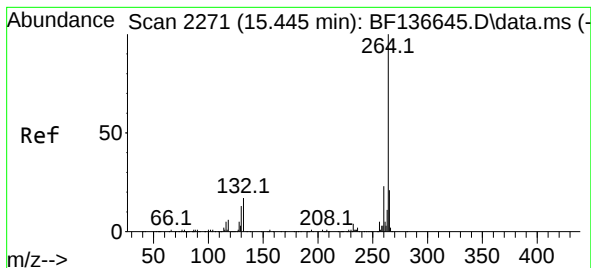
Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

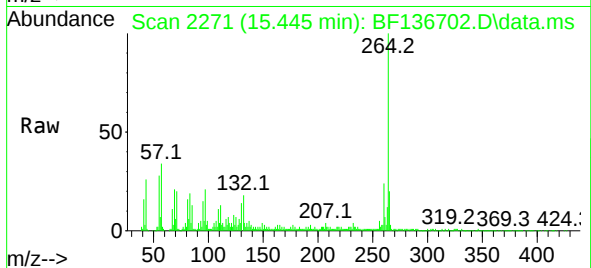
Tgt Ion:228	Resp:	45696
Ion Ratio	Lower	Upper
228	100	
226	29.0	24.7 37.1
229	22.6	15.4 23.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136702.D
 Acq: 23 Dec 2023 00:02

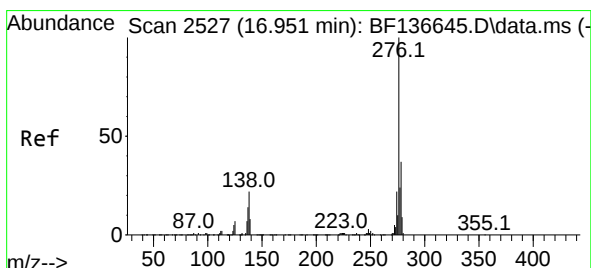
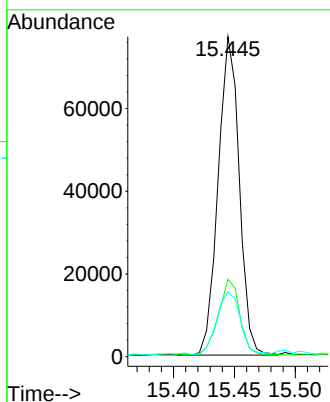
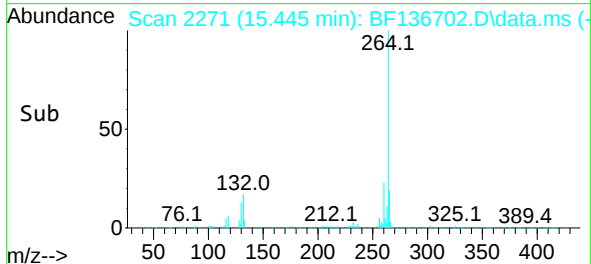
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-05-10.25-11.25



Tgt Ion:264 Resp: 9294
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.3 27.5
 265 20.3 17.0 25.6

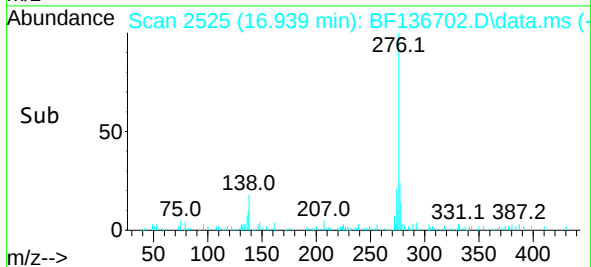
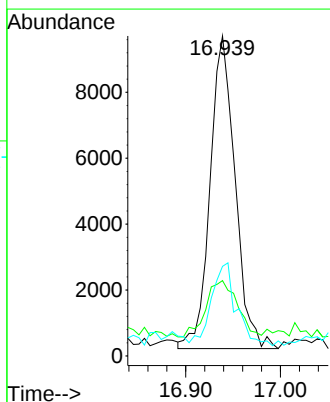
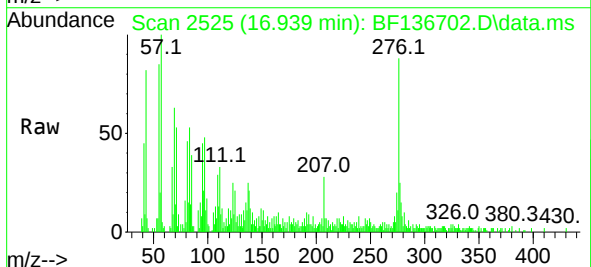
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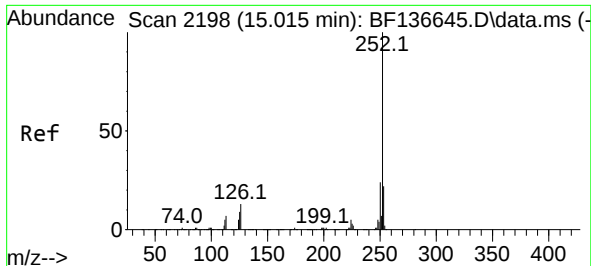
Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.604 ng
 RT: 16.939 min Scan# 2525
 Delta R.T. -0.012 min
 Lab File: BF136702.D
 Acq: 23 Dec 2023 00:02

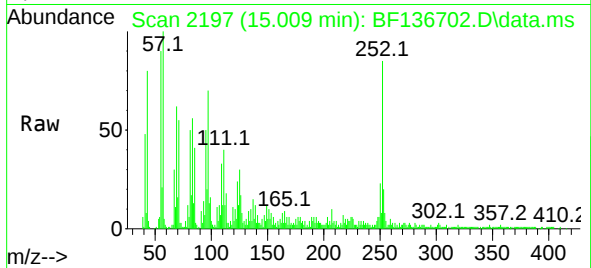
Tgt Ion:276 Resp: 17474
 Ion Ratio Lower Upper
 276 100
 138 22.5 18.7 28.1
 277 26.5 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 6.824 ng m
RT: 15.009 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

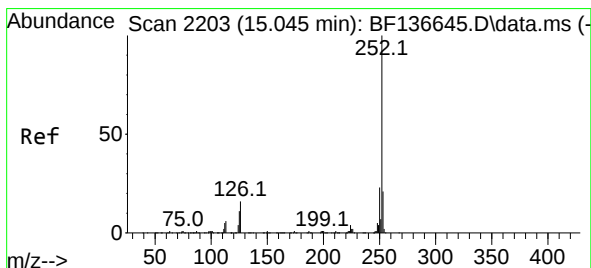
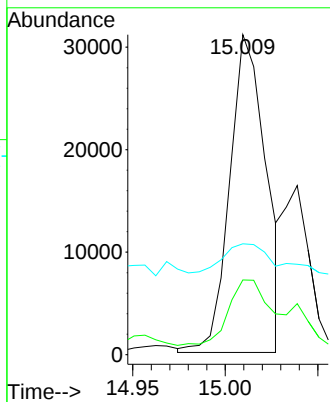
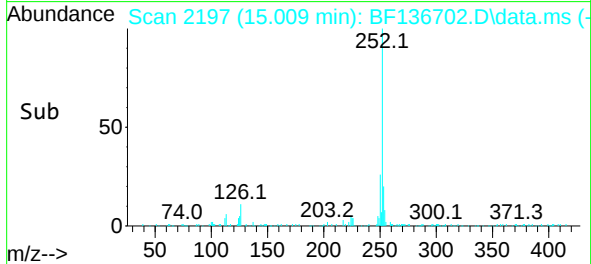
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25



Tgt Ion:252 Resp: 4236
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 34.7 7.4 11.2

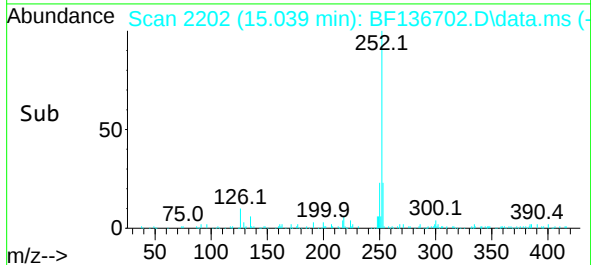
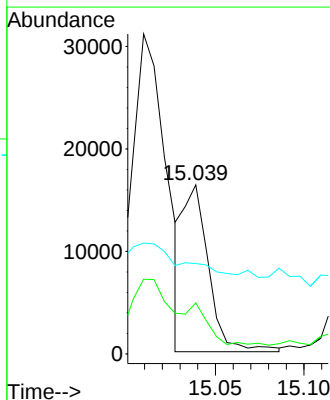
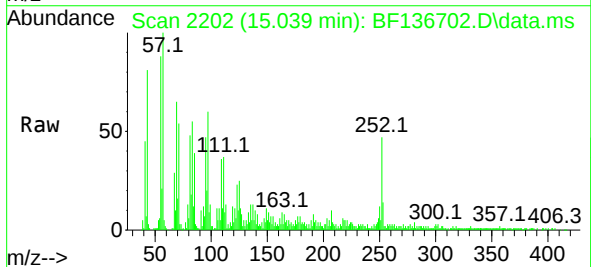
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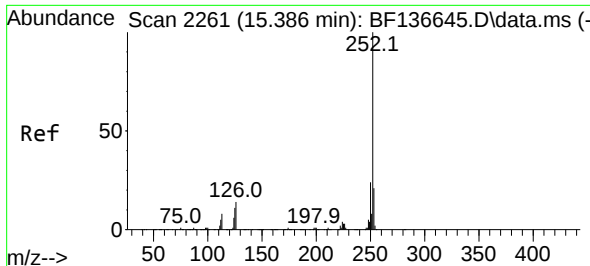
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#89
Benzo(k)fluoranthene
Concen: 2.835 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

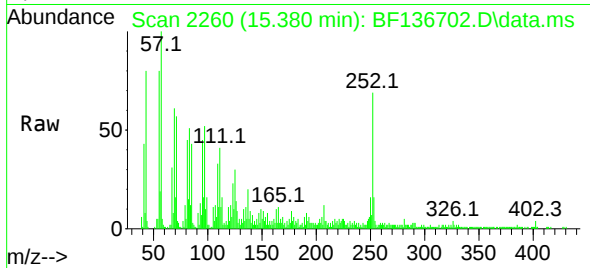
Tgt Ion:252 Resp: 16630
Ion Ratio Lower Upper
252 100
253 30.2 17.0 25.6#
125 53.5 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 4.759 ng
RT: 15.380 min Scan# 210
Delta R.T. -0.006 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

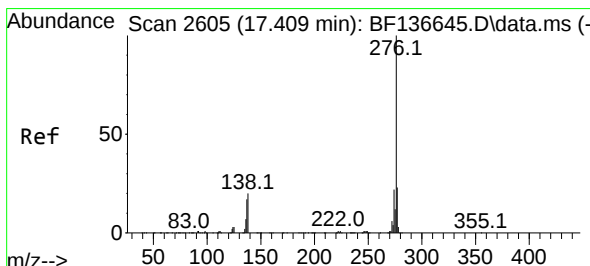
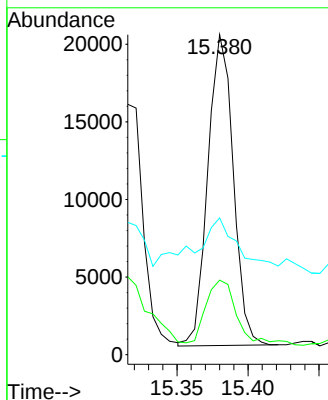
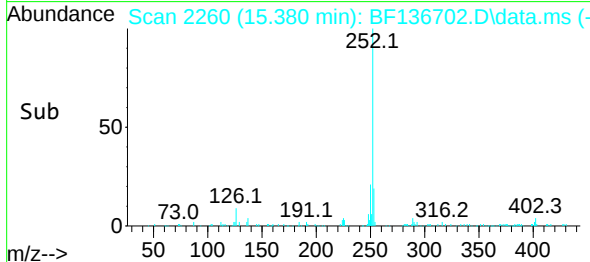
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25



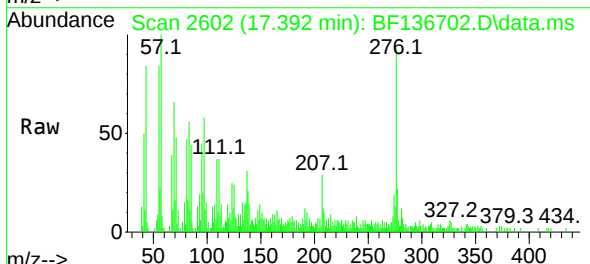
Tgt Ion:252 Resp: 24940
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 42.7 8.8 13.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.945 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02



Tgt Ion:276 Resp: 16605
Ion Ratio Lower Upper
276 100
277 23.6 18.3 27.5
138 22.6 15.6 23.4

