

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136705.D
 Acq On : 23 Dec 2023 01:41
 Operator : CG\JU
 Sample : 05940-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-04-122023

Manual Integrations
 APPROVED

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

Quant Time: Dec 23 03:44:51 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	57597	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	182466	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	74646	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	143135	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	131414	20.000	ng	0.00
86) Perylene-d12	15.439	264	90754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	77922	21.109	ng	0.00
7) Phenol-d6	6.428	99	92327	19.302	ng	-0.01
23) Nitrobenzene-d5	7.339	82	51639	14.482	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	17523	19.932	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	90172	16.247	ng	-0.02
79) Terphenyl-d14	12.898	244	109813	11.678	ng	-0.02
Target Compounds						Qvalue
58) Fluorene	10.363	166	15147	2.791	ng	99
71) Phenanthrene	11.333	178	136076	18.528	ng	99
72) Anthracene	11.380	178	39667	5.333	ng	98
75) Fluoranthene	12.527	202	230698	29.366	ng	99
78) Pyrene	12.757	202	204172	15.827	ng	99
81) Benzo(a)anthracene	13.951	228	89741	9.834	ng	99
83) Chrysene	13.986	228	70495	7.900	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	24451	3.732	ng	99
88) Benzo(b)fluoranthene	15.009	252	64748m	10.682	ng	
89) Benzo(k)fluoranthene	15.033	252	18598m	3.247	ng	
90) Benzo(a)pyrene	15.374	252	43648	8.531	ng	# 94
92) Benzo(g,h,i)perylene	17.392	276	22604	4.105	ng	96

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

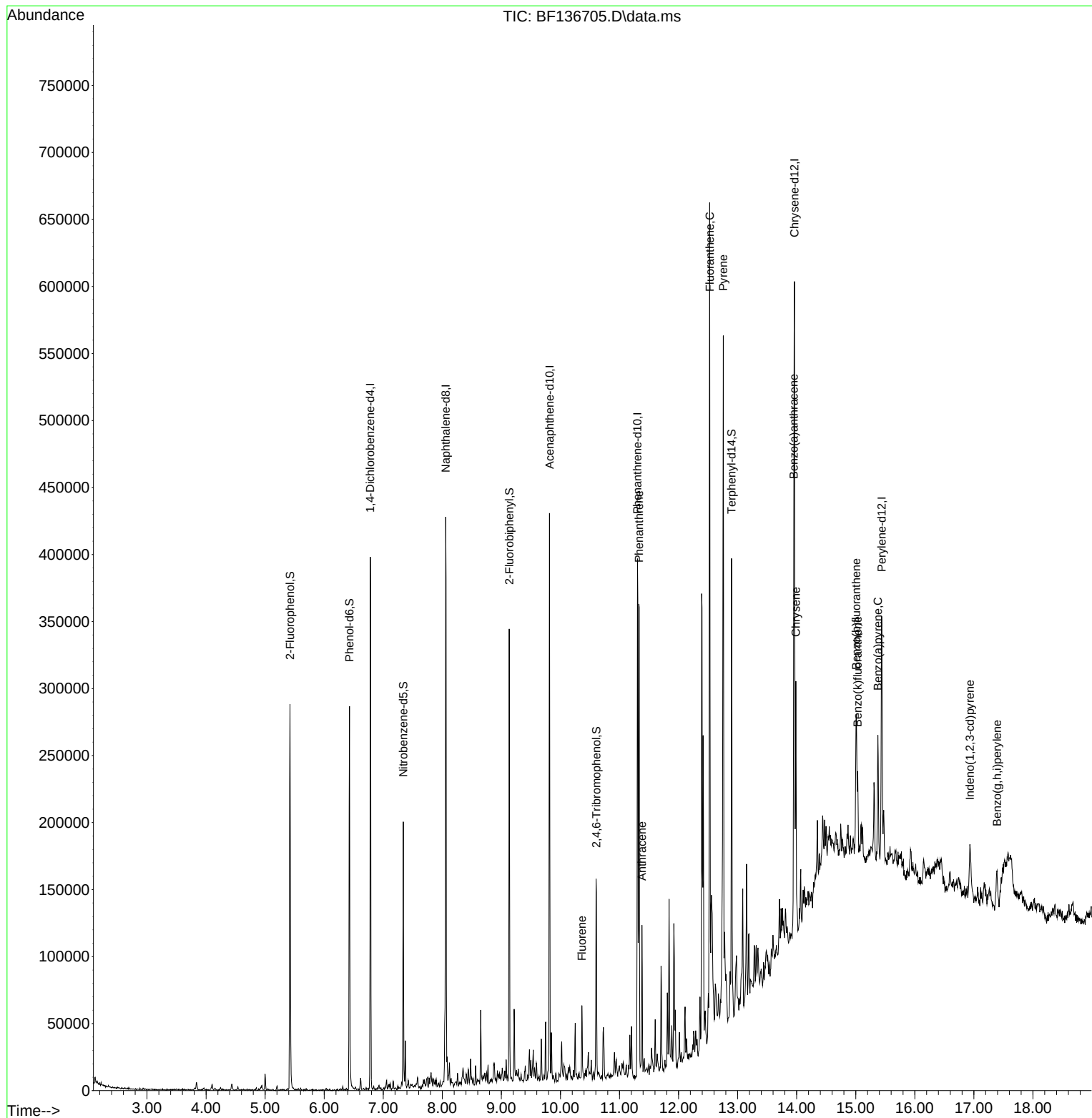
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136705.D
Acq On : 23 Dec 2023 01:41
Operator : CG\JU
Sample : 05940-05 5X
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ALS Vial : 19 Sample Multiplier: 1

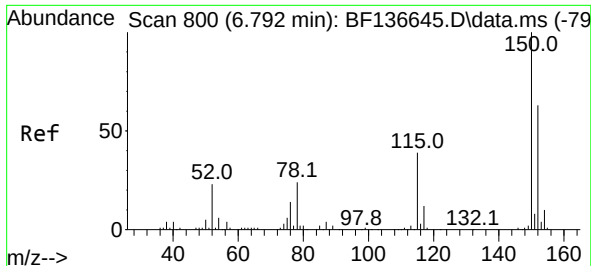
Instrument :
BNA_F
ClientSampleId :
PL-04-122023

Quant Time: Dec 23 03:44:51 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
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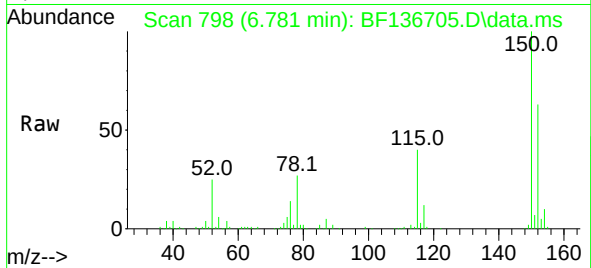
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.011 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

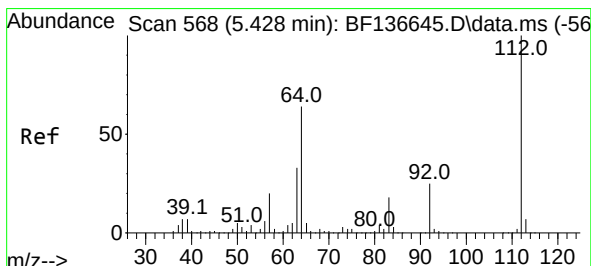
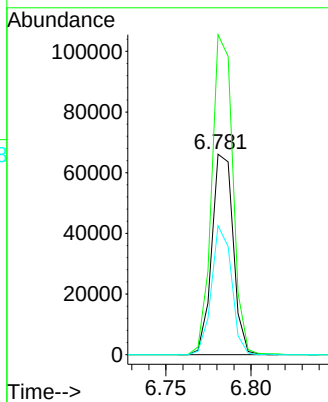
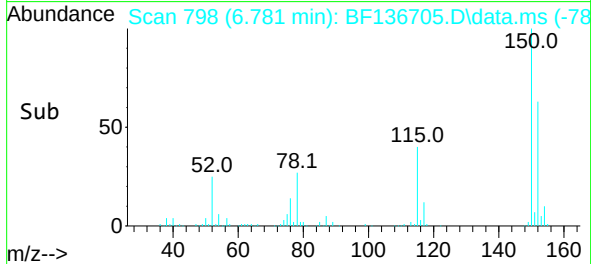
Instrument :
BNA_F
ClientSampleId :
PL-04-122023



Tgt Ion:152 Resp: 5759
Ion Ratio Lower Upper
152 100
150 159.7 127.0 190.6
115 64.4 49.0 73.4

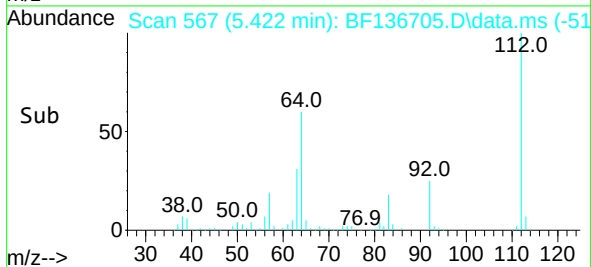
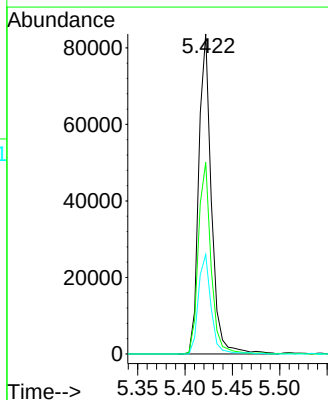
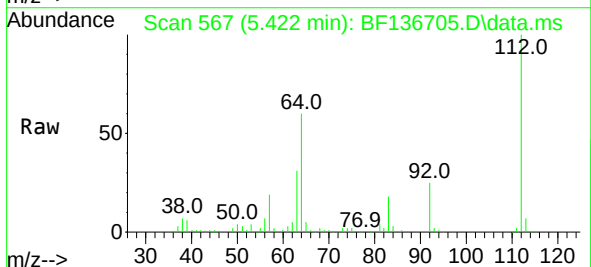
Manual Integrations
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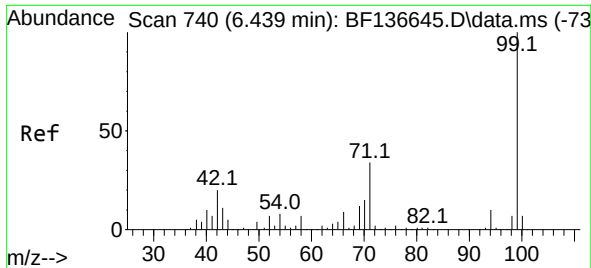
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#5
2-Fluorophenol
Concen: 21.109 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

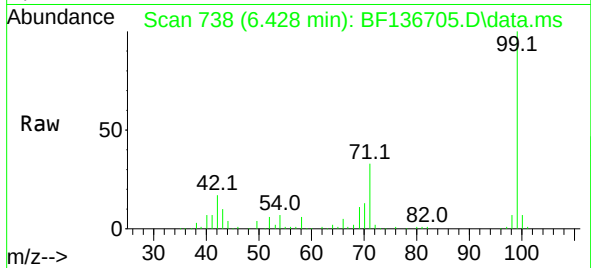
Tgt Ion:112 Resp: 77922
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 31.1 26.1 39.1





#7
Phenol-d6
Concen: 19.302 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

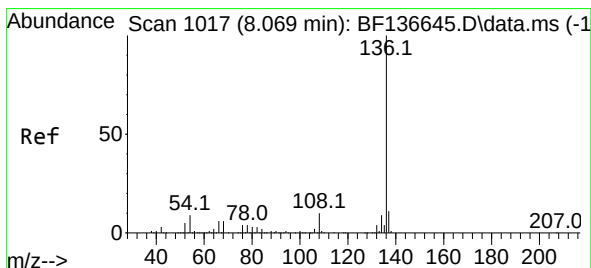
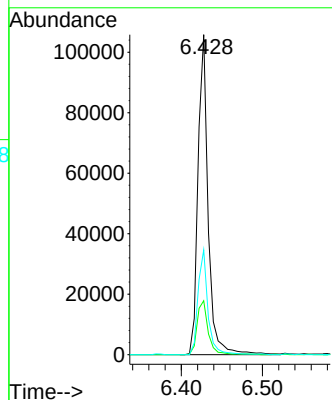
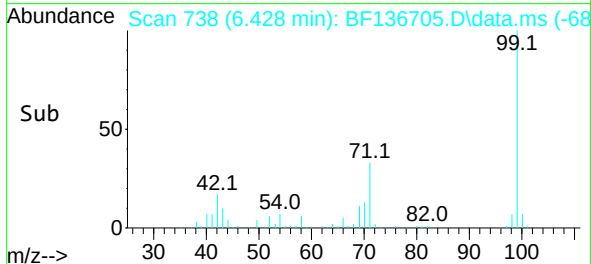
Instrument :
BNA_F
ClientSampleId :
PL-04-122023



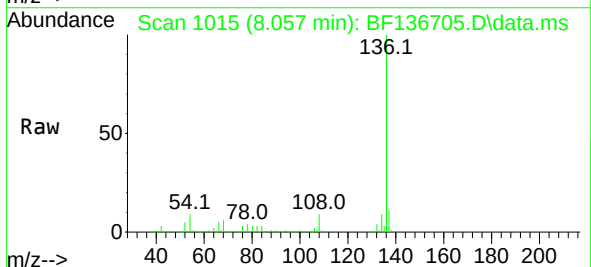
Tgt Ion: 99 Resp: 9232
Ion Ratio Lower Upper
99 100
42 16.8 16.1 24.1
71 32.7 27.4 41.2

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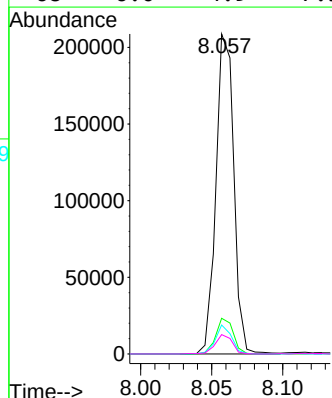
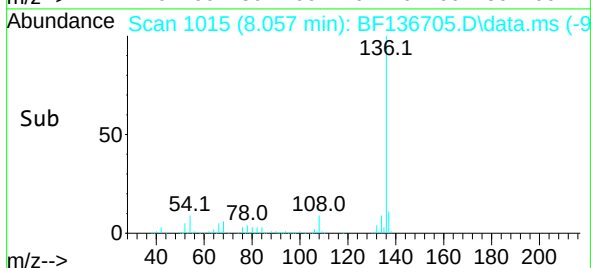
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

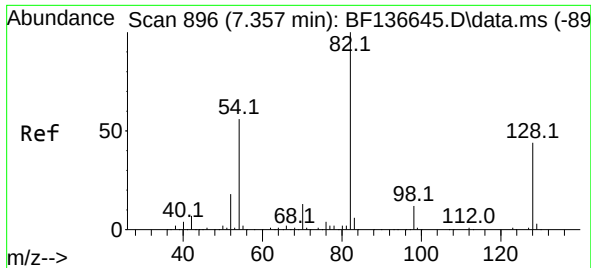


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41



Tgt Ion:136 Resp: 182466
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.0 7.2 10.8
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 14.482 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

Tgt Ion: 82 Resp: 51639

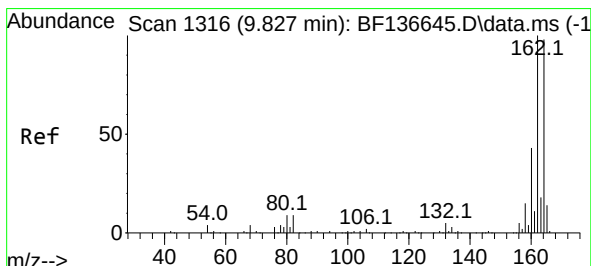
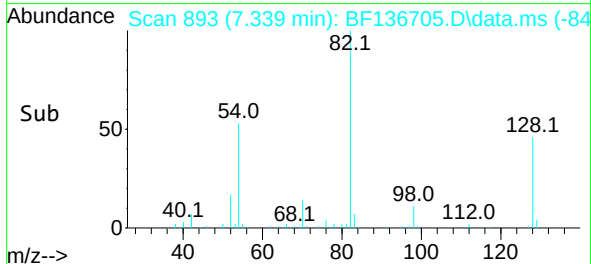
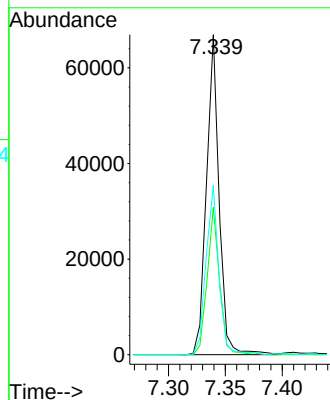
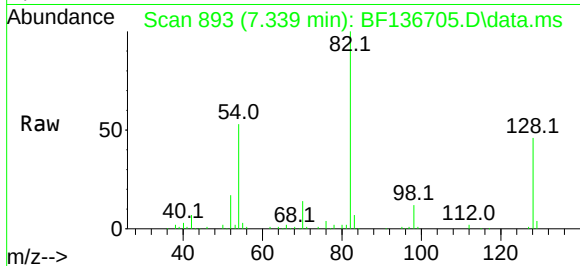
Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.3	52.9
54	52.9	44.5	66.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

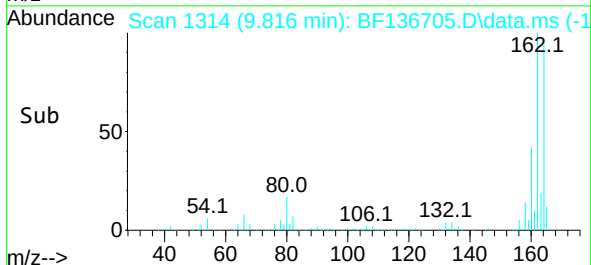
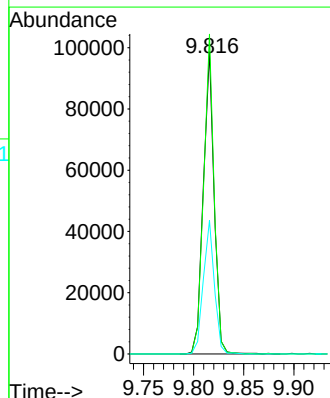
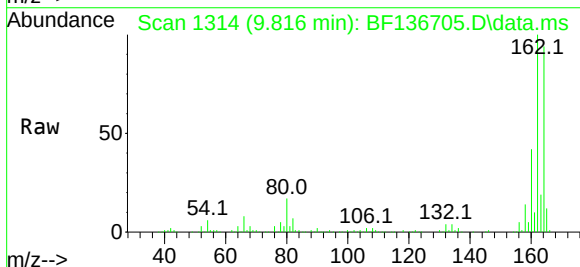
Delta R.T. -0.012 min

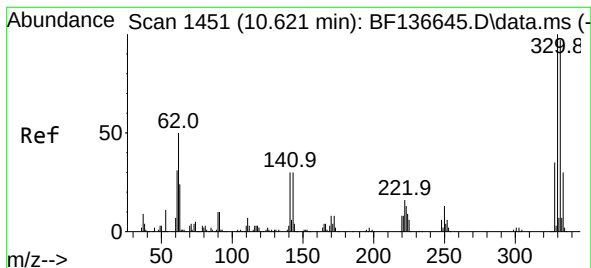
Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Tgt Ion:164 Resp: 74646

Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.6	122.4
160	44.2	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 19.932 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

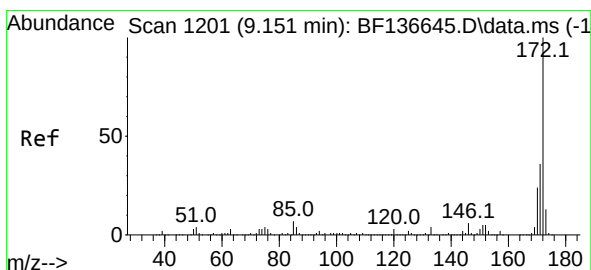
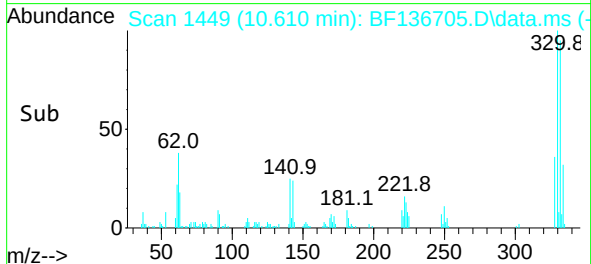
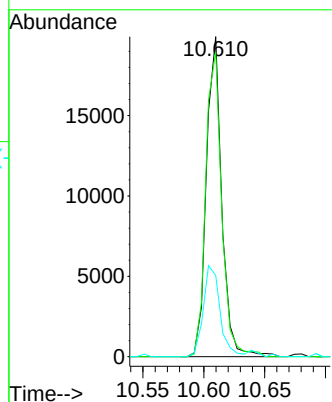
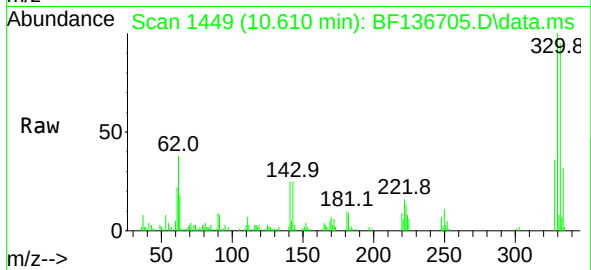
PL-04-122023

Tgt Ion:330 Resp: 1752
Ion Ratio Lower Upper
330 100
332 98.8 77.4 116.0
141 31.0 23.4 35.2

Manual Integrations

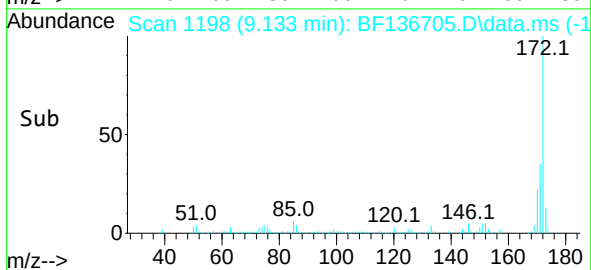
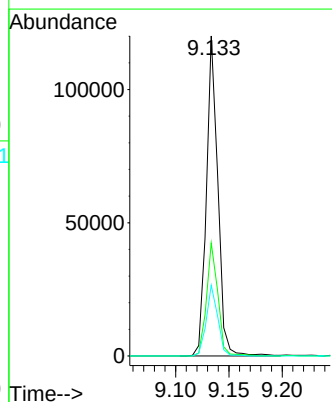
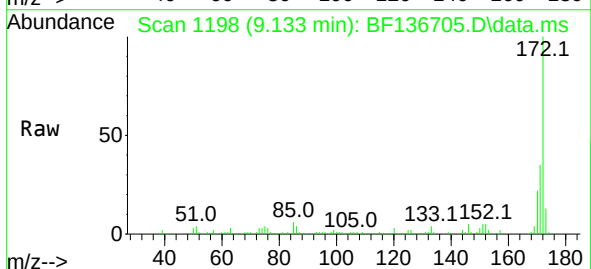
APPROVED

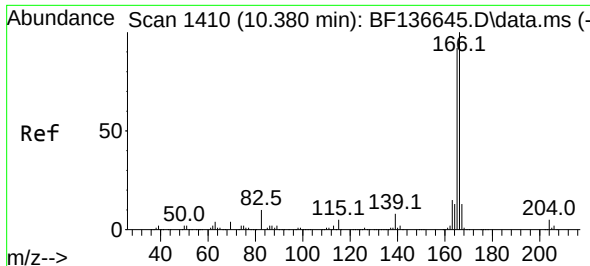
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#45
2-Fluorobiphenyl
Concen: 16.247 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:172 Resp: 90172
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.6
170 22.1 19.0 28.4





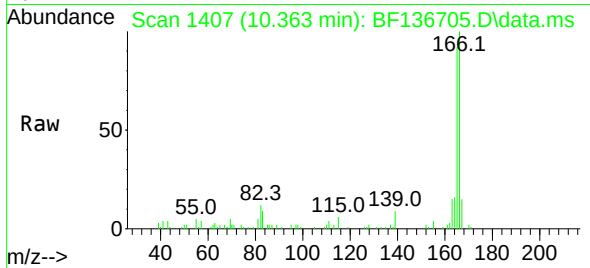
#58
Fluorene
Concen: 2.791 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

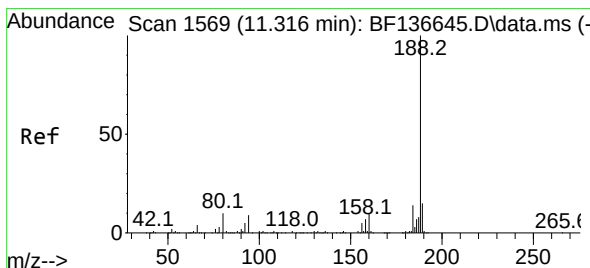
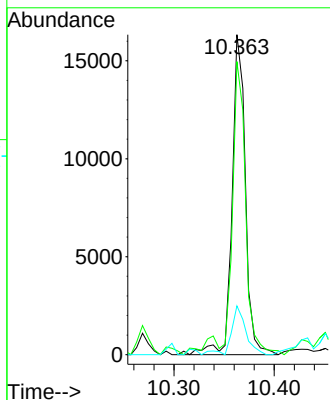
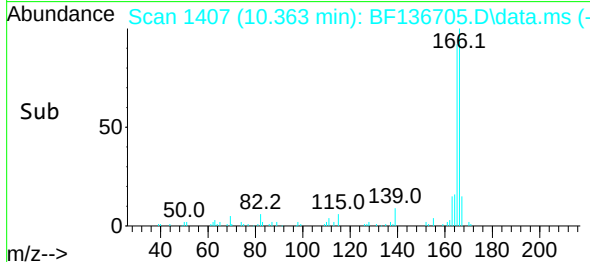


Tgt Ion:166 Resp: 1514
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 15.3 10.4 15.6

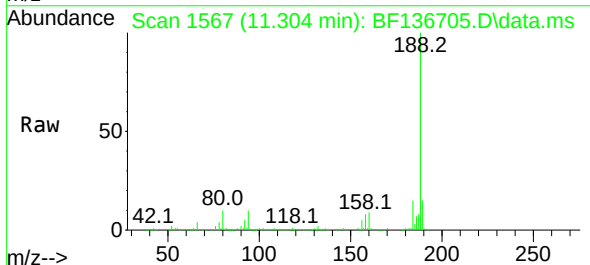
Manual Integrations

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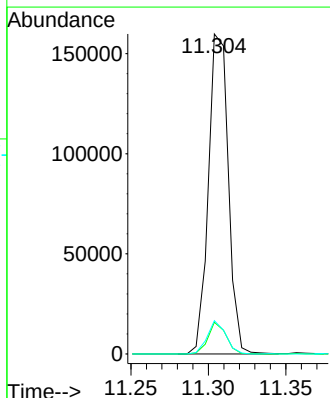
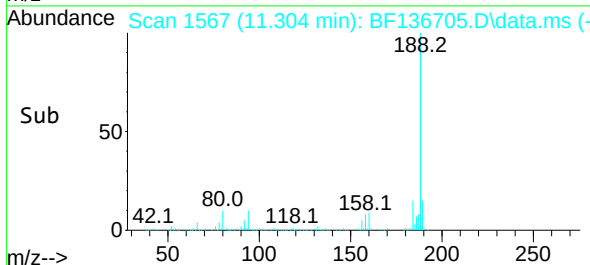
Reviewed By :Yogesh Patel 12/25/2023
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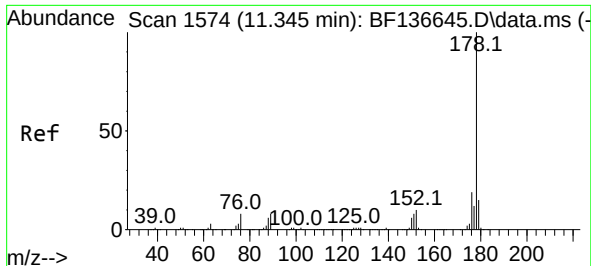


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41



Tgt Ion:188 Resp: 143135
Ion Ratio Lower Upper
188 100
94 9.9 7.5 11.3
80 10.4 8.1 12.1





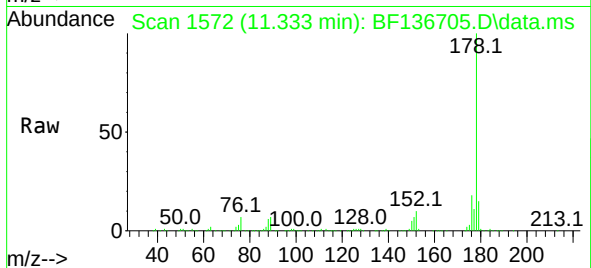
#71
Phenanthrene
Concen: 18.528 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

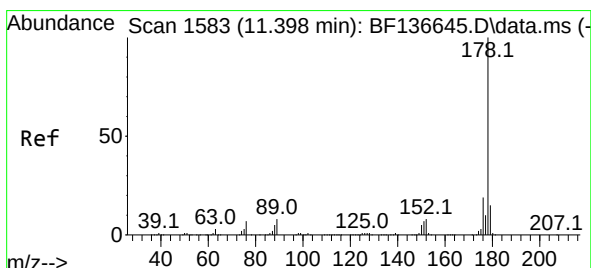
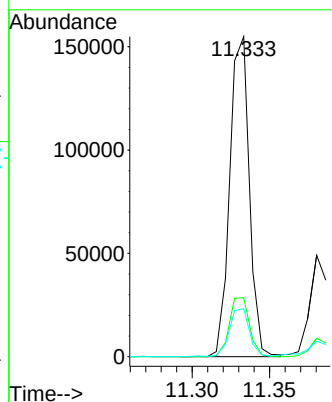
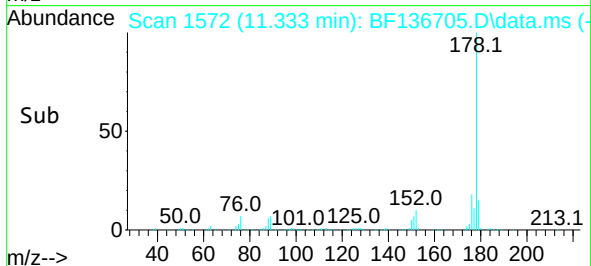


Tgt Ion:178 Resp: 136070
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.0 11.9 17.9

Manual Integrations

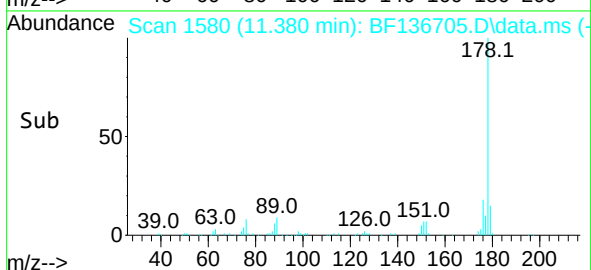
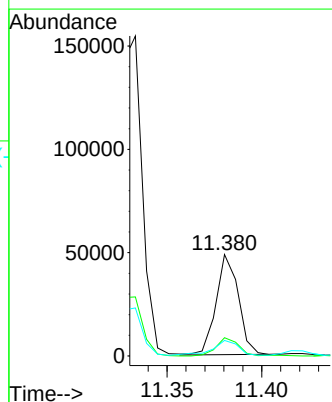
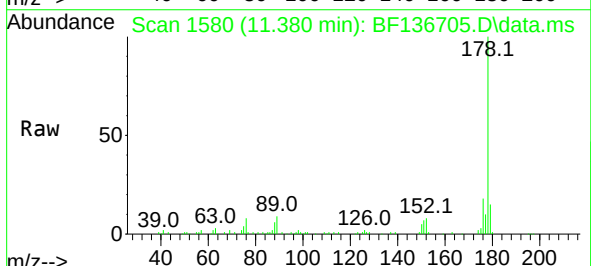
APPROVED

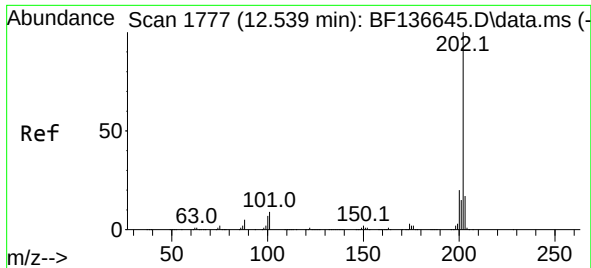
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#72
Anthracene
Concen: 5.333 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

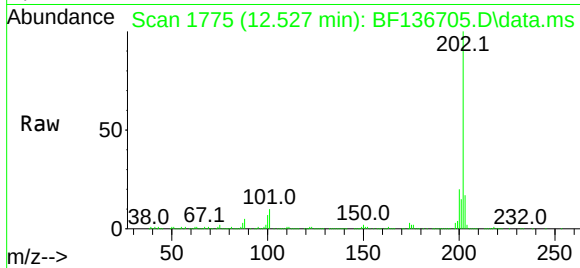
Tgt Ion:178 Resp: 39667
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.3 11.8 17.6





#75
Fluoranthene
Concen: 29.366 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

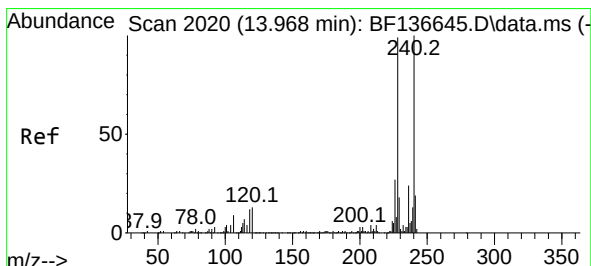
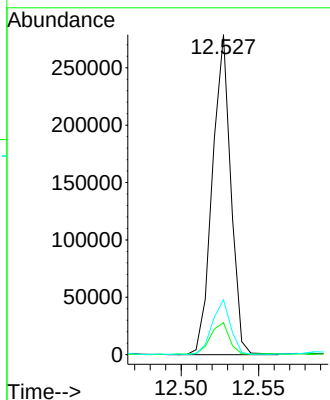
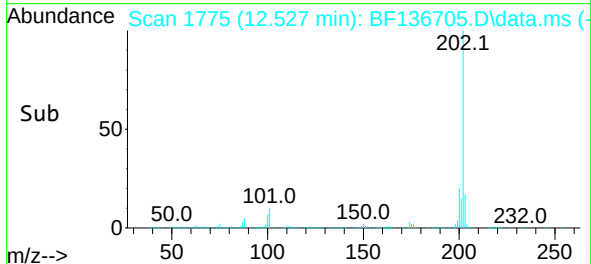
Instrument :
BNA_F
ClientSampleId :
PL-04-122023



Tgt Ion:202 Resp: 230698
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.3
203 17.1 0.0 37.1

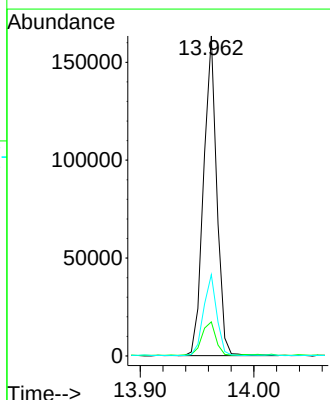
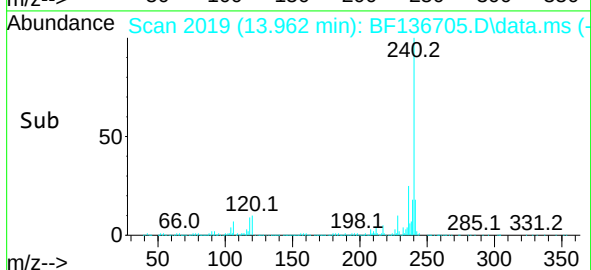
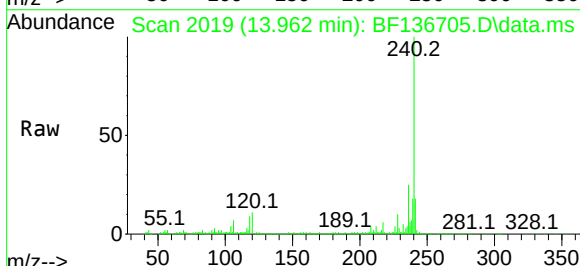
Manual Integrations
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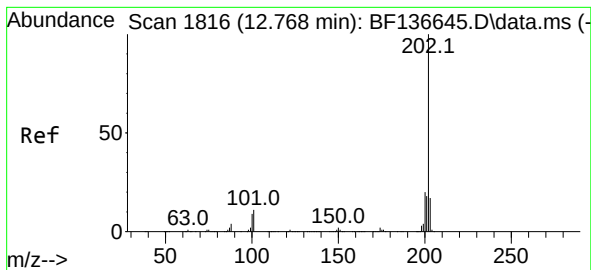
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:240 Resp: 131414
Ion Ratio Lower Upper
240 100
120 10.7 10.3 15.5
236 25.4 19.4 29.2





#78

Pyrene

Concen: 15.827 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

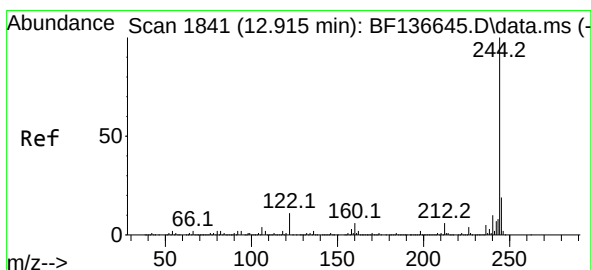
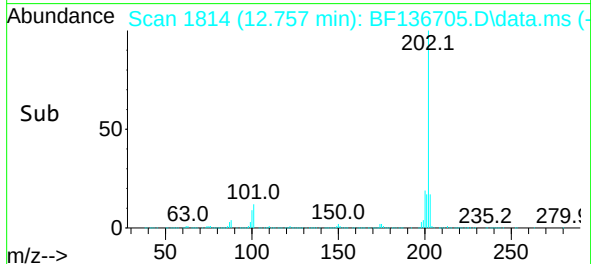
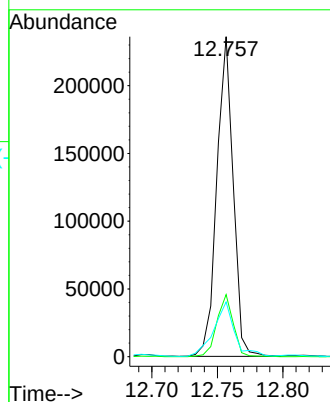
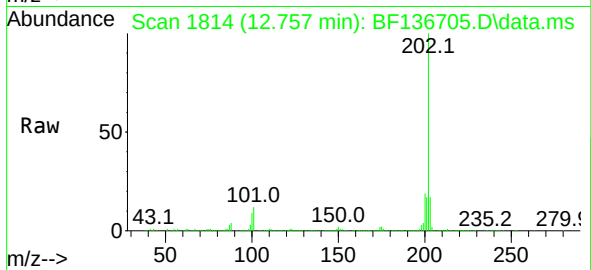
Tgt Ion:	202	Resp:	20417
Ion Ratio	Lower	Upper	
202	100		
200	19.4	15.9	23.9
203	17.1	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#79

Terphenyl-d14

Concen: 11.678 ng

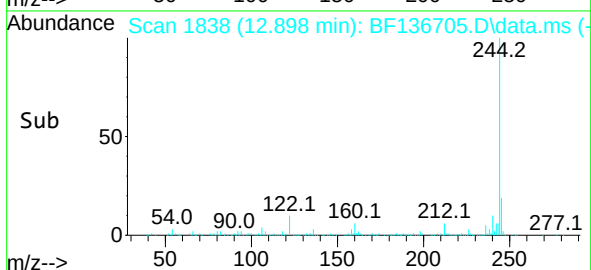
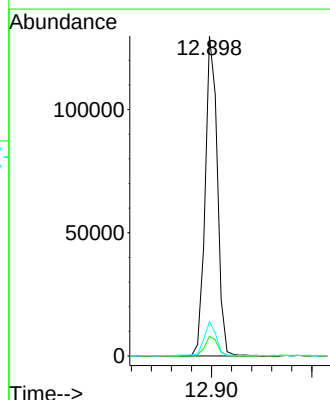
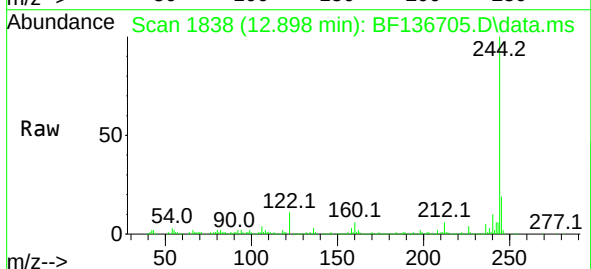
RT: 12.898 min Scan# 1838

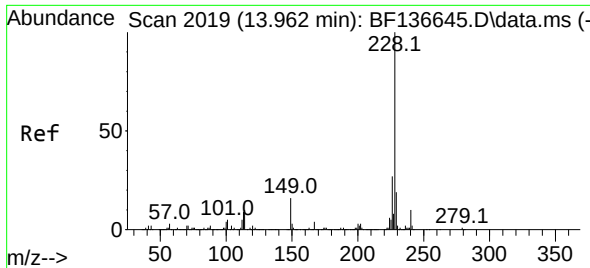
Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Tgt Ion:	244	Resp:	109813
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.0	7.4
122	10.7	9.0	13.4





#81
Benzo(a)anthracene
Concen: 9.834 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

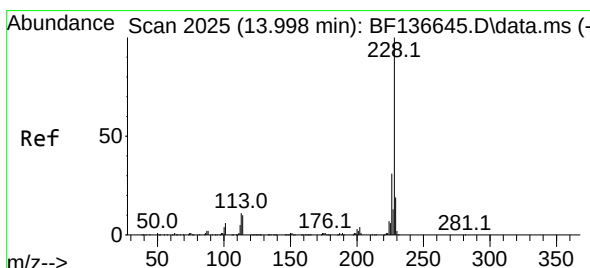
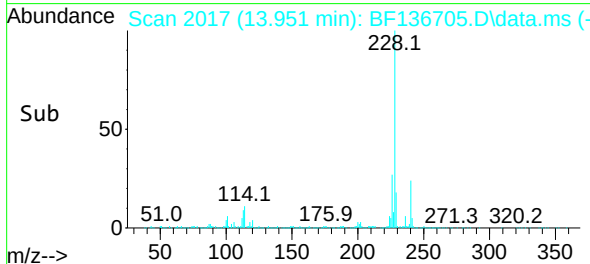
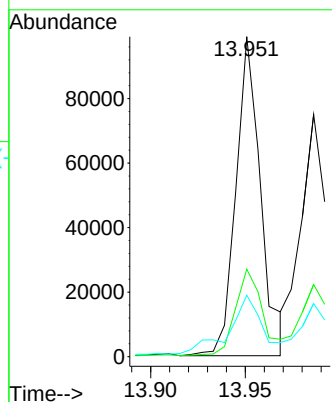
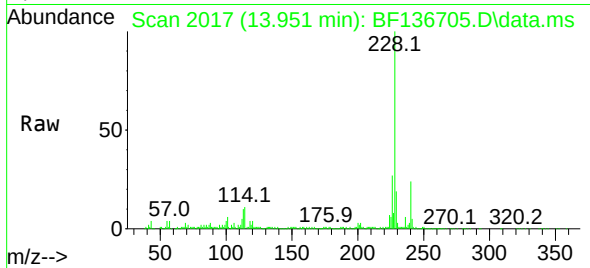
PL-04-122023

Tgt Ion:228 Resp: 8974
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 19.2 14.9 22.3

Manual Integrations

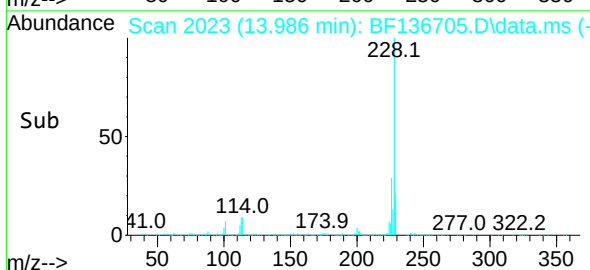
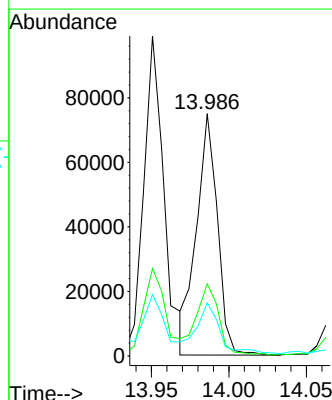
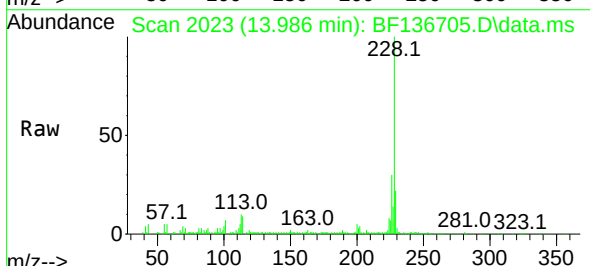
APPROVED

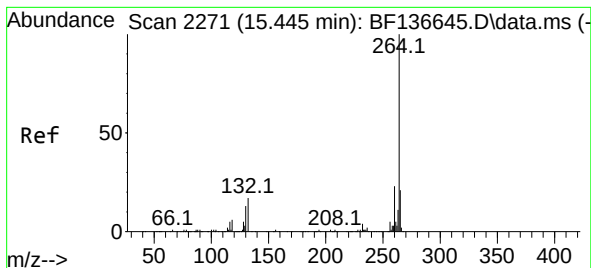
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#83
Chrysene
Concen: 7.900 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136705.D
Acq: 23 Dec 2023 01:41

Tgt Ion:228 Resp: 70495
Ion Ratio Lower Upper
228 100
226 29.8 24.7 37.1
229 21.9 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: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

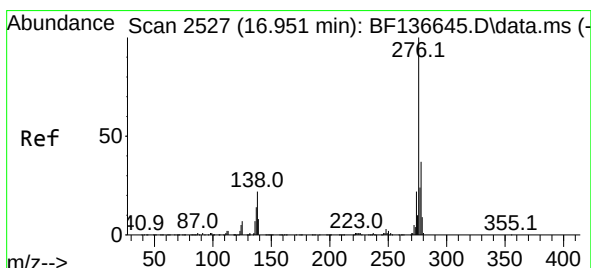
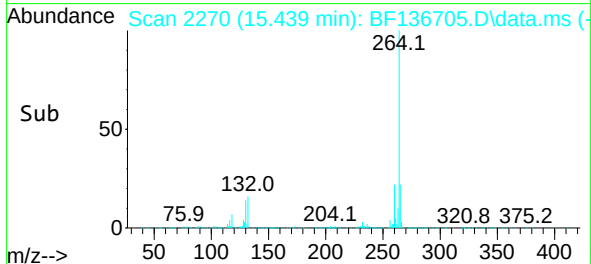
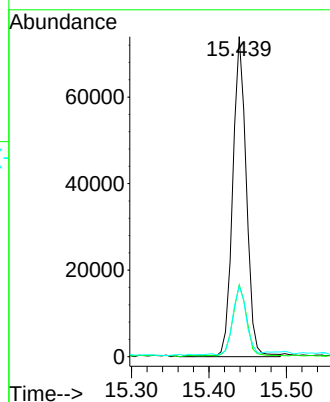
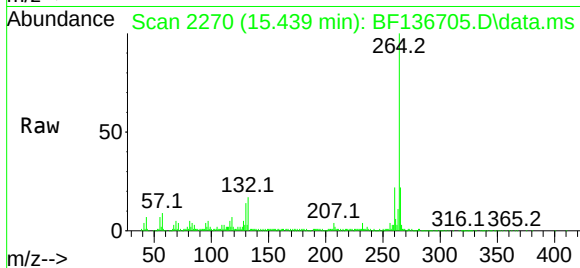
PL-04-122023

Tgt Ion:264	Resp:	90754
Ion Ratio	Lower	Upper
264	100	
260	22.4	18.3 27.5
265	22.1	17.0 25.6

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.732 ng

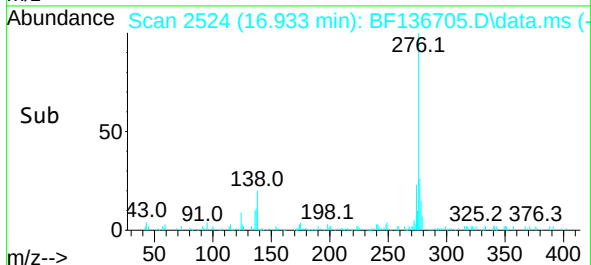
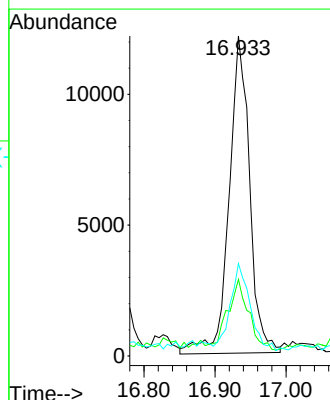
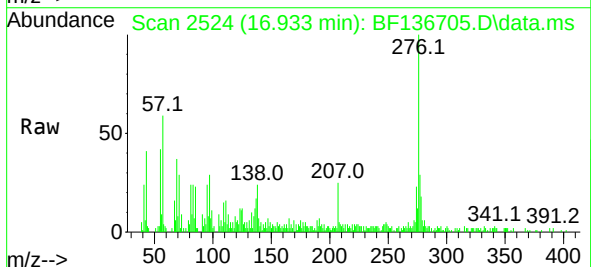
RT: 16.933 min Scan# 2524

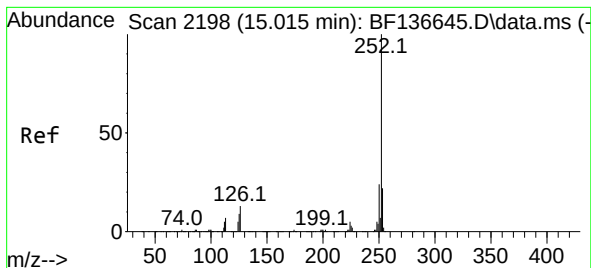
Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Tgt Ion:276	Resp:	24451
Ion Ratio	Lower	Upper
276	100	
138	22.6	18.7 28.1
277	25.0	20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 10.682 ng m

RT: 15.009 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

Tgt Ion:252 Resp: 64748

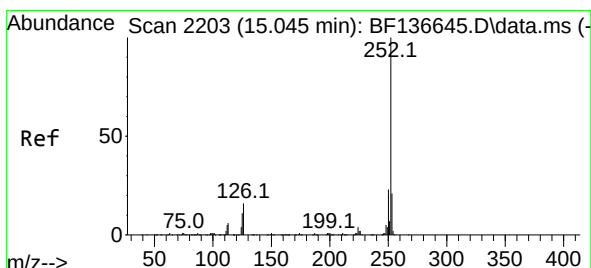
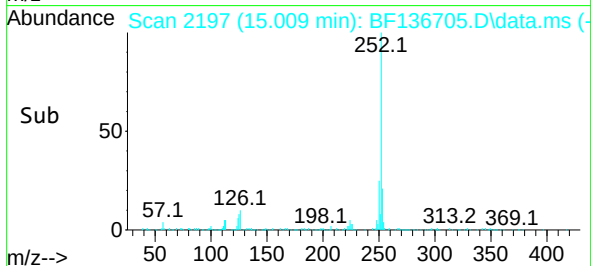
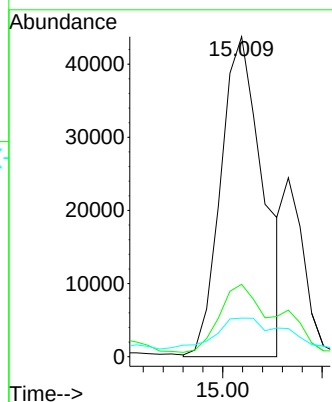
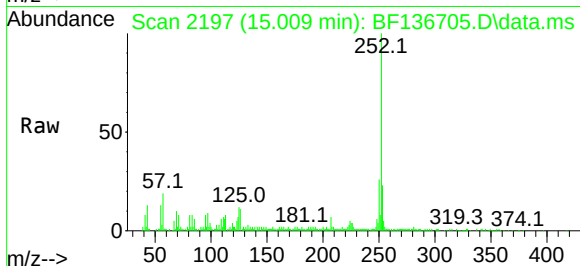
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	12.1	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#89

Benzo(k)fluoranthene

Concen: 3.247 ng m

RT: 15.033 min Scan# 2201

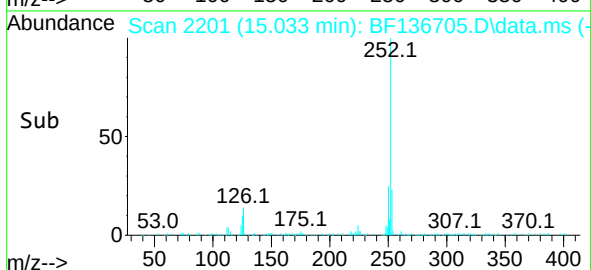
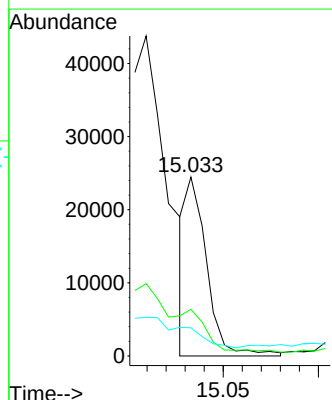
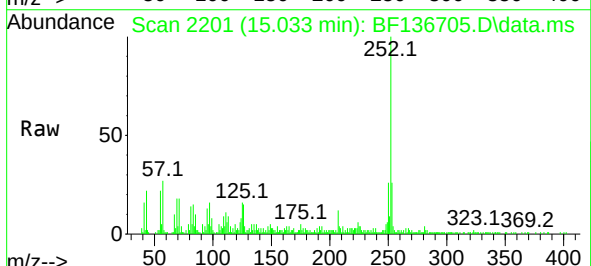
Delta R.T. -0.012 min

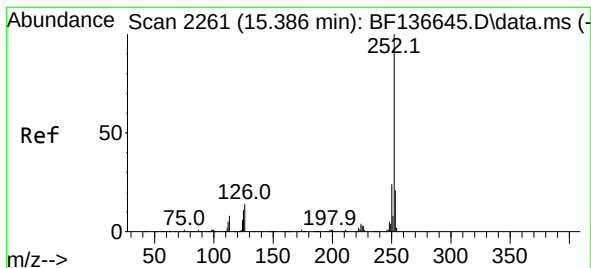
Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Tgt Ion:252 Resp: 18598

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6
125	15.7	8.2	12.4





#90

Benzo(a)pyrene

Concen: 8.531 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Instrument :

BNA_F

ClientSampleId :

PL-04-122023

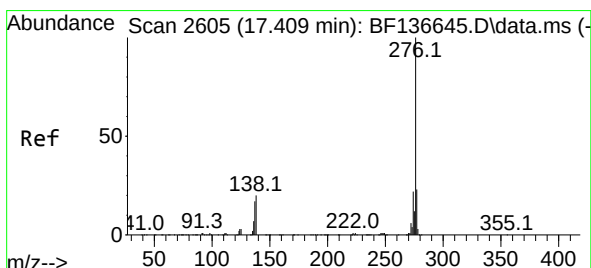
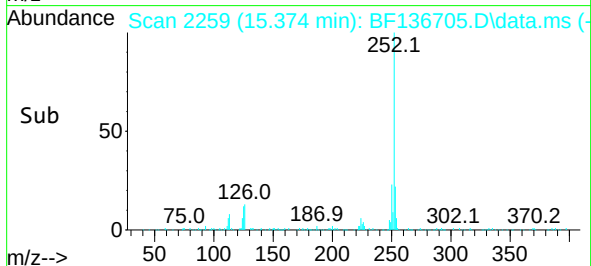
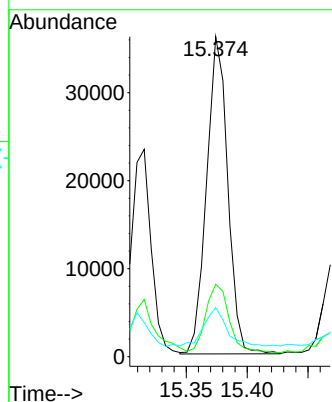
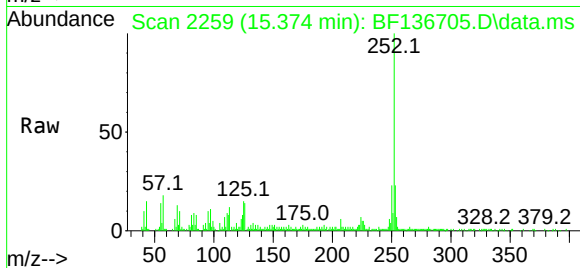
Tgt Ion:	252	Resp:	4364
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	15.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#92

Benzo(g,h,i)perylene

Concen: 4.105 ng

RT: 17.392 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF136705.D

Acq: 23 Dec 2023 01:41

Tgt Ion:	276	Resp:	22604
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.3	27.5
138	21.4	15.6	23.4

