

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140380.D
 Acq On : 14 Nov 2024 23:13
 Operator : RC/JU
 Sample : P4795-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-23-00189RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

Quant Time: Nov 15 02:36:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124796	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	455803	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	208508	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	298360	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212247	20.000	ng	0.00
86) Perylene-d12	15.533	264	157517	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	730705	99.971	ng	0.02
7) Phenol-d6	6.522	99	944006	95.327	ng	0.02
23) Nitrobenzene-d5	7.434	82	604747	69.129	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	172199	83.050	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1024656	78.999	ng	0.00
79) Terphenyl-d14	12.992	244	823555	67.352	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	35444	2.529	ng	# 81
75) Fluoranthene	12.622	202	107899	6.862	ng	93
78) Pyrene	12.851	202	100257	5.522	ng	# 93
80) Butylbenzylphthalate	13.463	149	28093	4.028	ng	86
81) Benzo(a)anthracene	14.039	228	66459	4.764	ng	91
83) Chrysene	14.074	228	62285	4.894	ng	97
84) Bis(2-ethylhexyl)phtha...	14.022	149	24064	2.585	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.027	276	32470	3.337	ng	98
88) Benzo(b)fluoranthene	15.098	252	84762m	8.226	ng	
89) Benzo(k)fluoranthene	15.116	252	26777m	3.181	ng	
90) Benzo(a)pyrene	15.468	252	42354	5.293	ng	# 92
92) Benzo(g,h,i)perylene	17.486	276	34161	4.155	ng	97

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

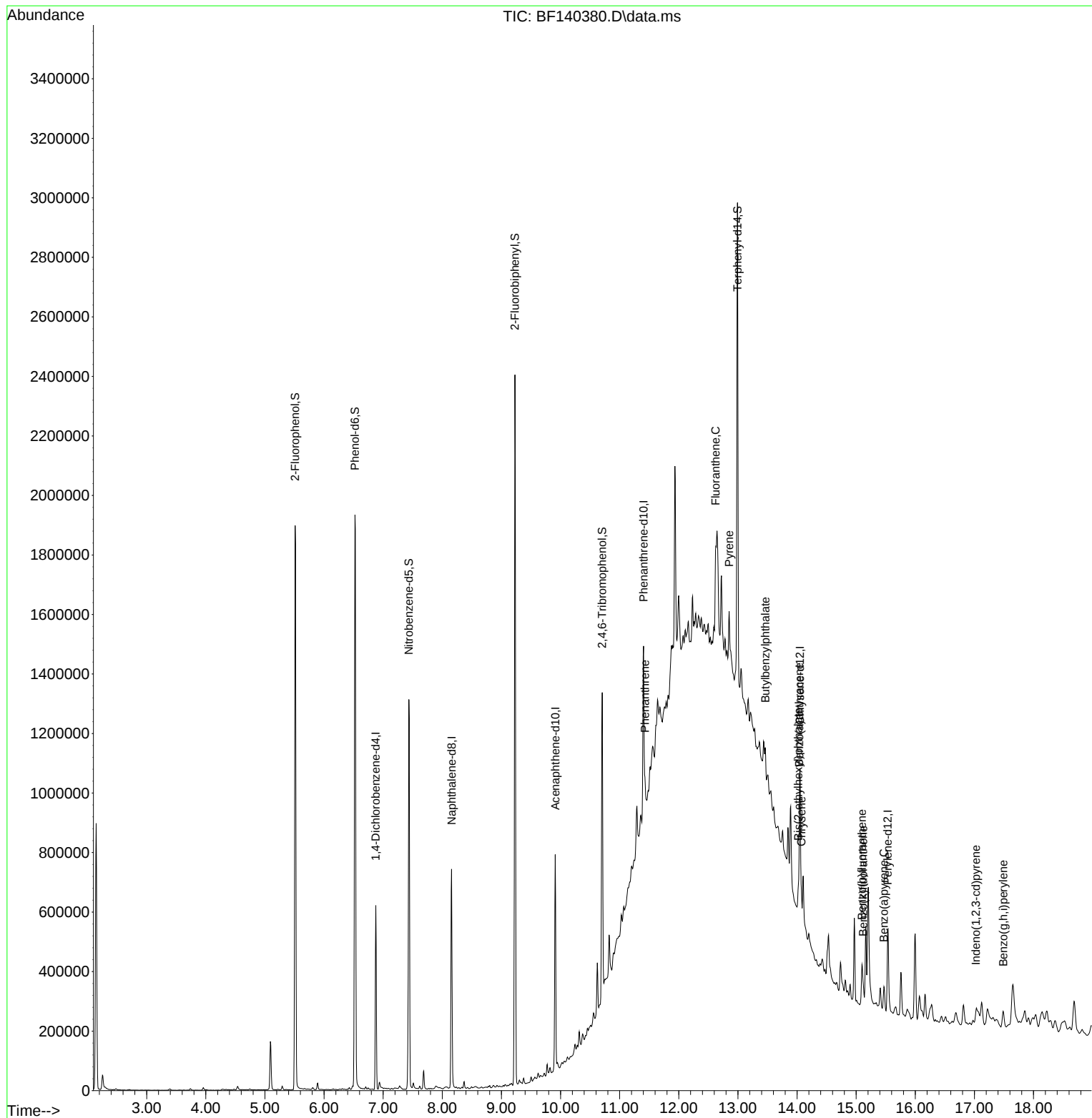
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140380.D
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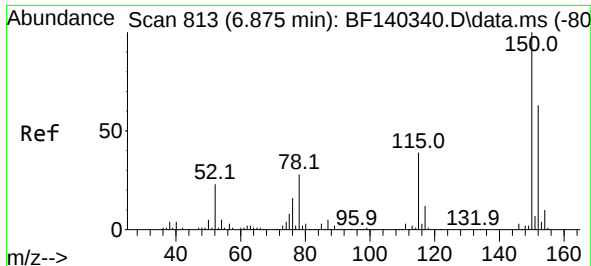
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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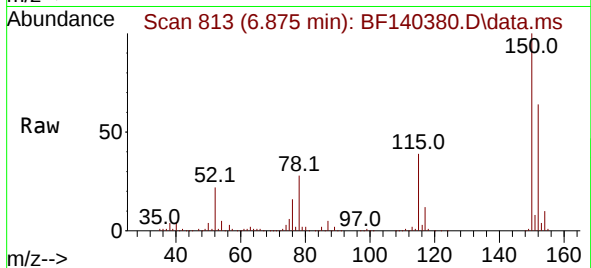
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

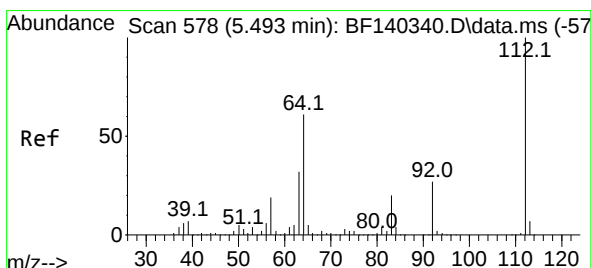
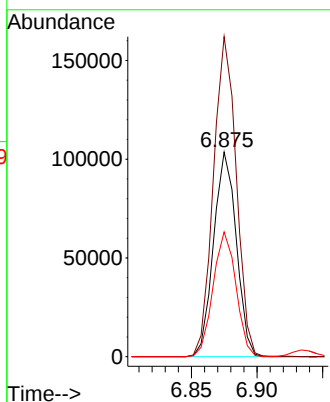
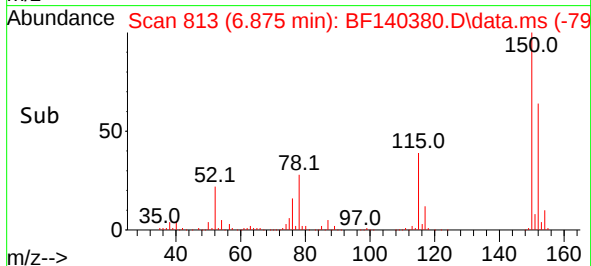
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Tgt Ion:152 Resp: 124790
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 61.0 47.4 71.2

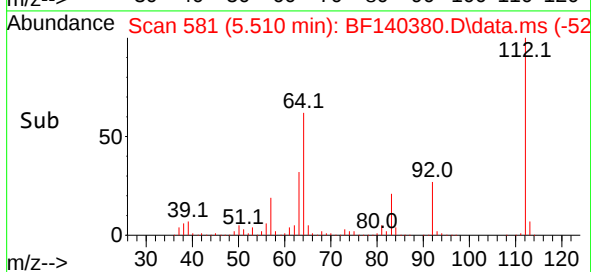
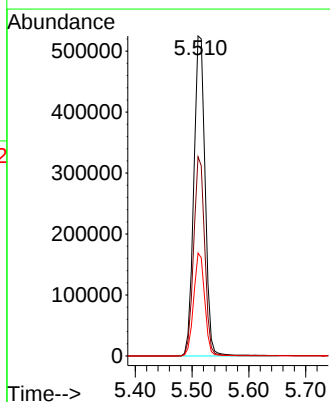
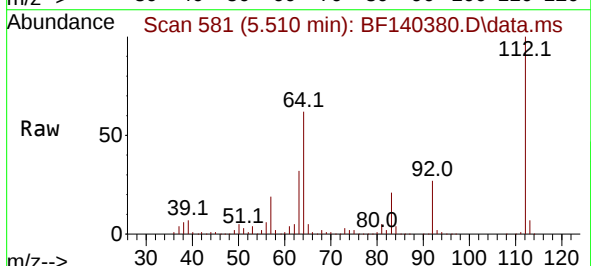
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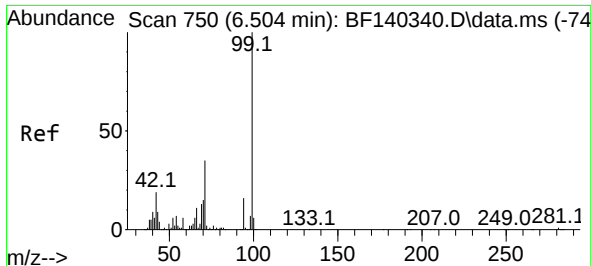
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#5
2-Fluorophenol
Concen: 99.971 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

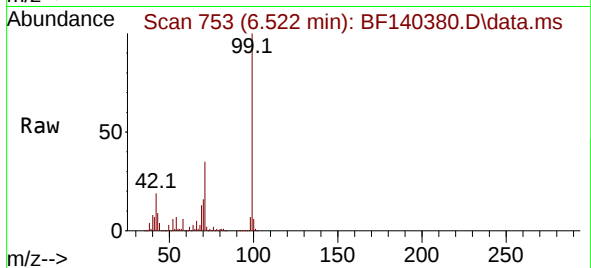
Tgt Ion:112 Resp: 730705
Ion Ratio Lower Upper
112 100
64 62.3 49.2 73.8
63 32.2 25.6 38.4





#7
Phenol-d6
Concen: 95.327 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

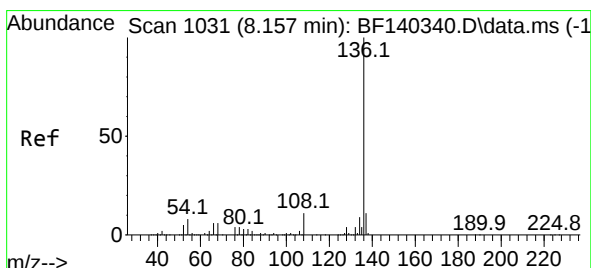
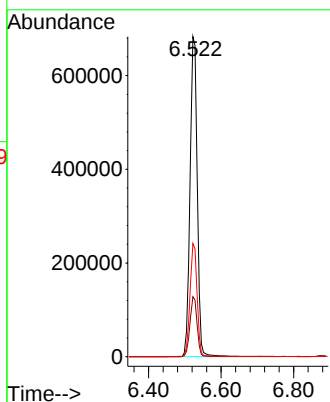
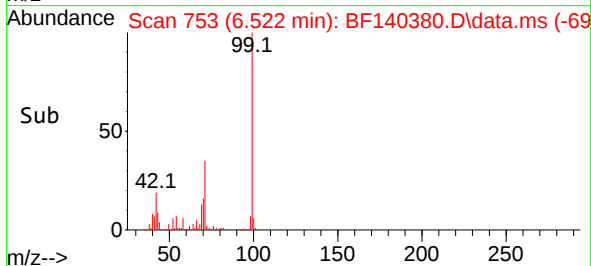
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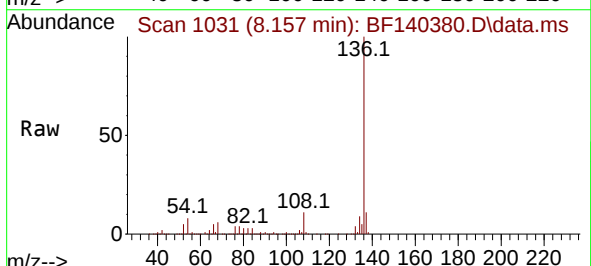
Tgt Ion: 99 Resp: 944000
Ion Ratio Lower Upper
99 100
42 18.8 15.1 22.7
71 35.4 27.9 41.9

Manual Integrations
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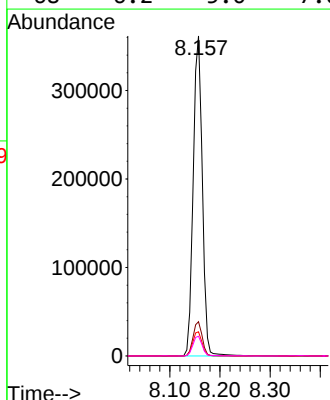
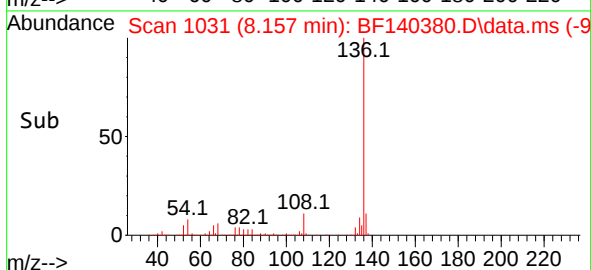
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

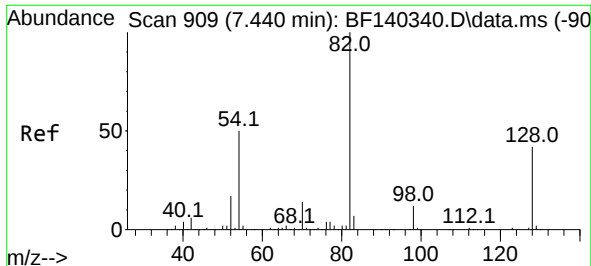


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13



Tgt Ion:136 Resp: 455803
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.5 6.5 9.7
68 6.2 5.0 7.6





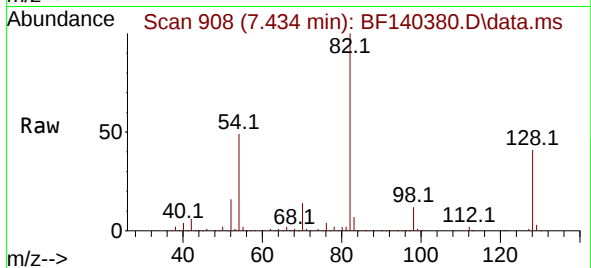
#23
Nitrobenzene-d5
Concen: 69.129 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Instrument :

BNA_F

ClientSampleId :

LAW-23-00189RE

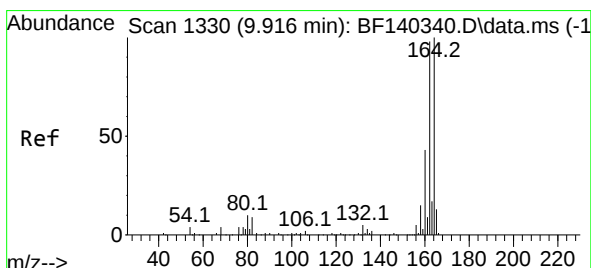
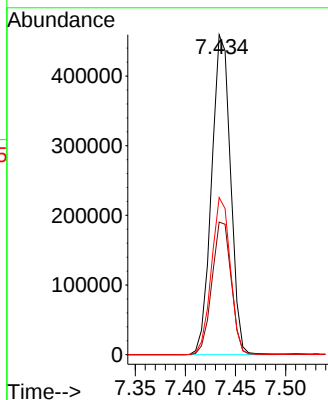
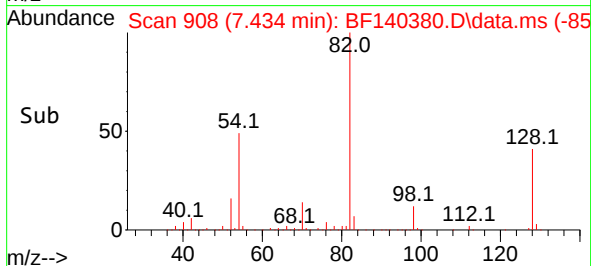


Tgt Ion: 82 Resp: 60474
Ion Ratio Lower Upper
82 100
128 41.5 33.3 49.9
54 49.1 39.8 59.8

Manual Integrations

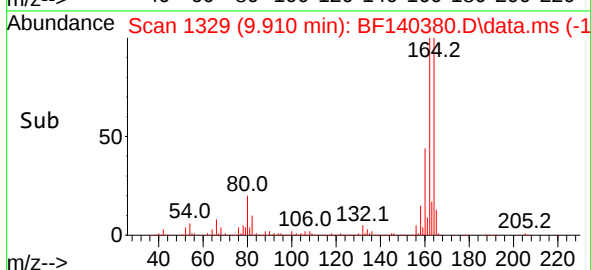
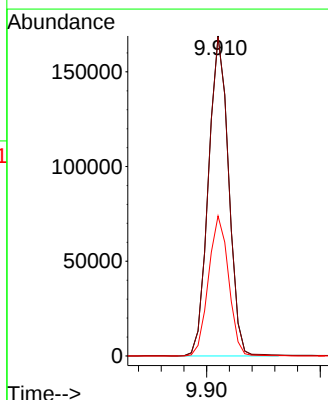
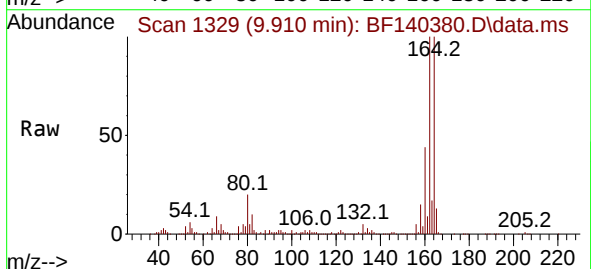
APPROVED

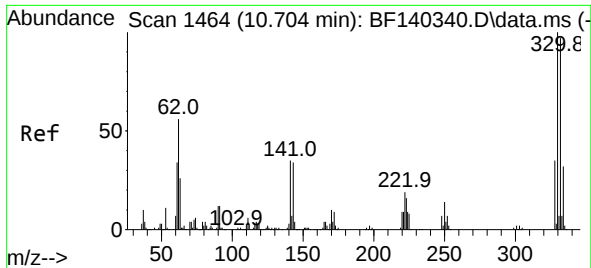
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Tgt Ion:164 Resp: 208508
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 43.7 35.4 53.0





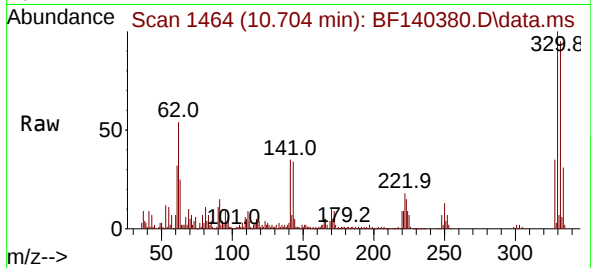
#42
2,4,6-Tribromophenol
Concen: 83.050 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Instrument :

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ClientSampleId :

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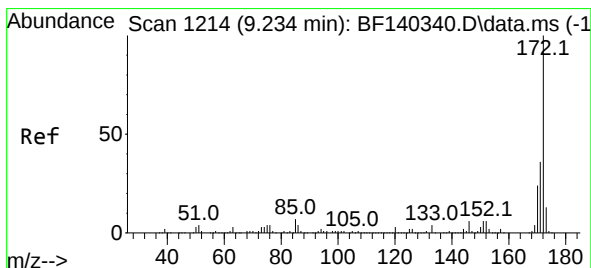
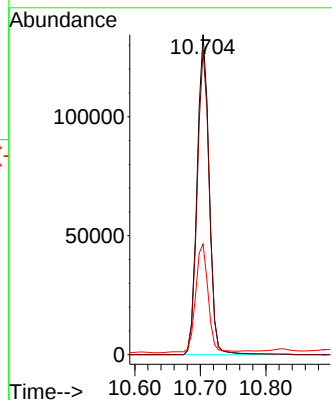
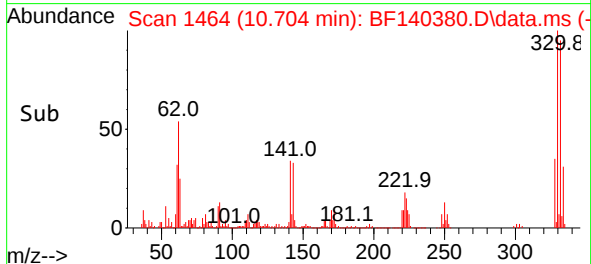
Tgt Ion:330 Resp: 172199
Ion Ratio Lower Upper
330 100
332 95.6 75.9 113.9
141 35.6 26.9 40.3

Manual Integrations

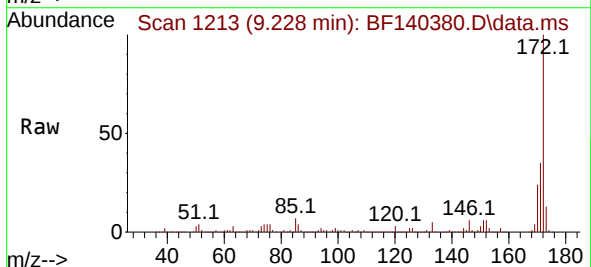
APPROVED

Reviewed By :Yogesh Patel 11/15/2024

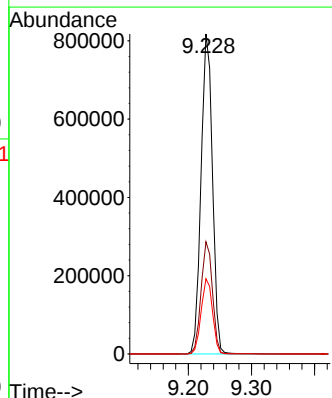
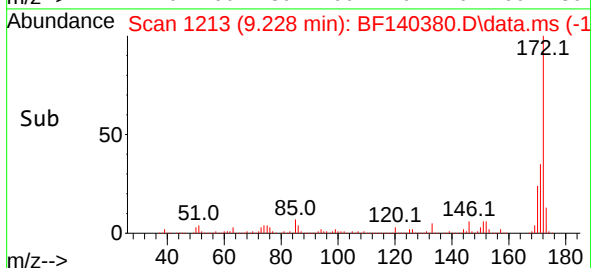
Supervised By :mohammad ahmed 11/15/2024

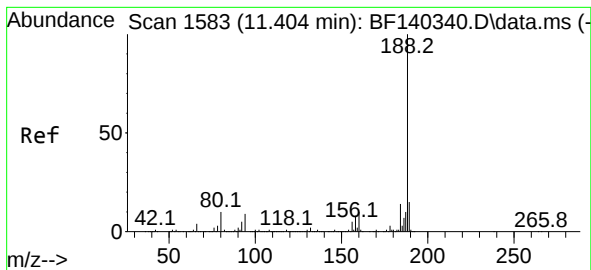


#45
2-Fluorobiphenyl
Concen: 78.999 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13



Tgt Ion:172 Resp: 1024656
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.5 19.1 28.7





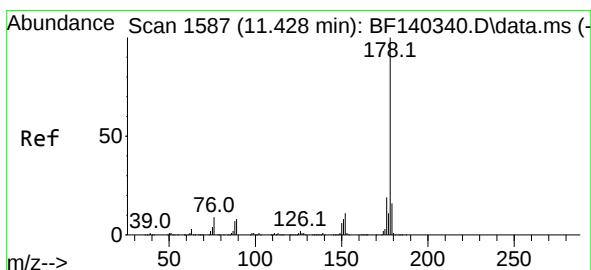
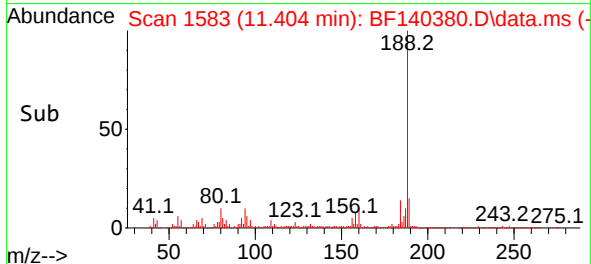
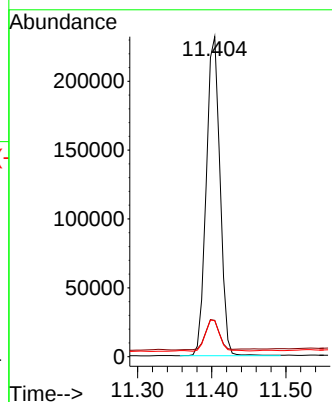
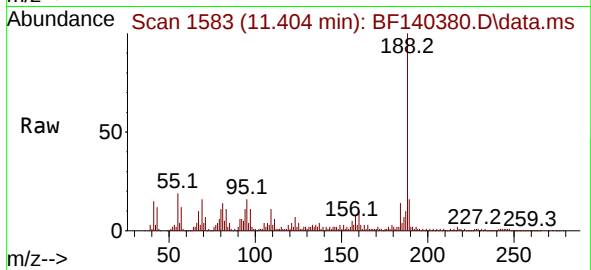
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Instrument :
BNA_F
ClientSampleId :
LAW-23-00189RE

Tgt Ion:188 Resp: 298360
Ion Ratio Lower Upper
188 100
94 11.4 7.6 11.4
80 11.3 8.0 12.0

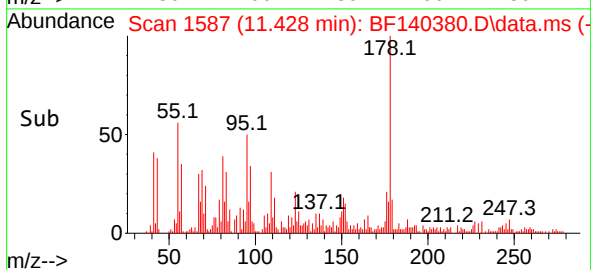
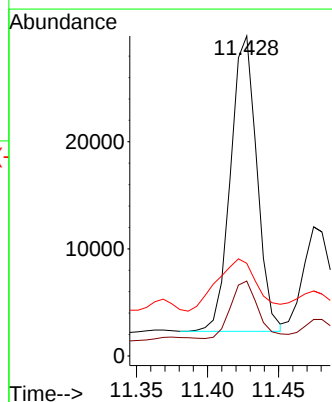
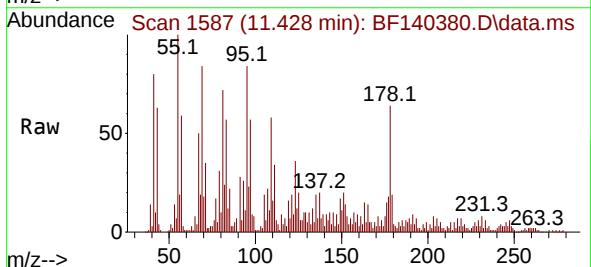
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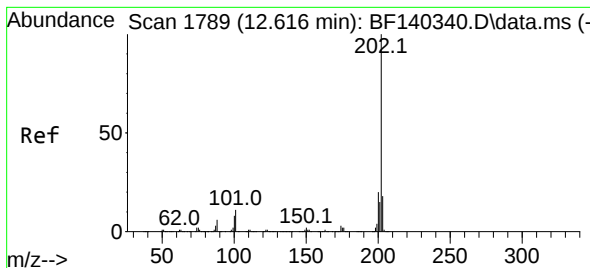
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#71
Phenanthrene
Concen: 2.529 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

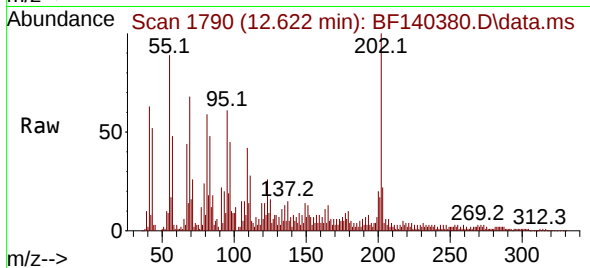
Tgt Ion:178 Resp: 35444
Ion Ratio Lower Upper
178 100
176 23.4 15.5 23.3#
179 29.0 12.4 18.6#





#75
Fluoranthene
Concen: 6.862 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

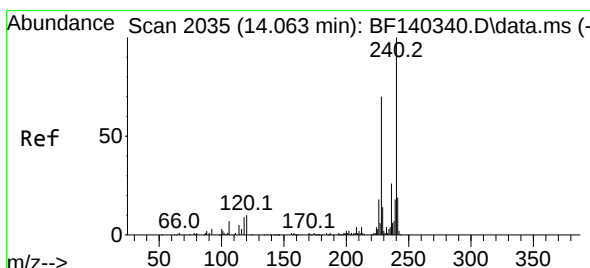
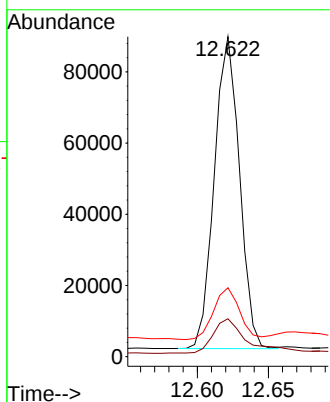
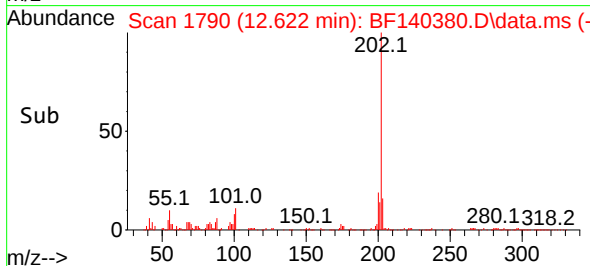
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Tgt Ion:202 Resp: 10789
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.7
203 21.5 0.0 37.7

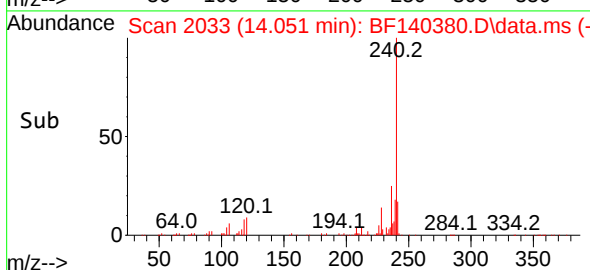
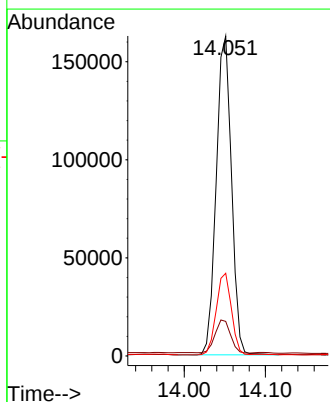
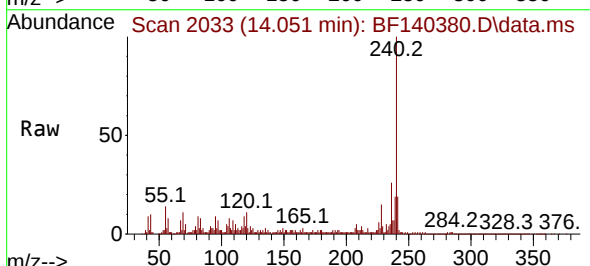
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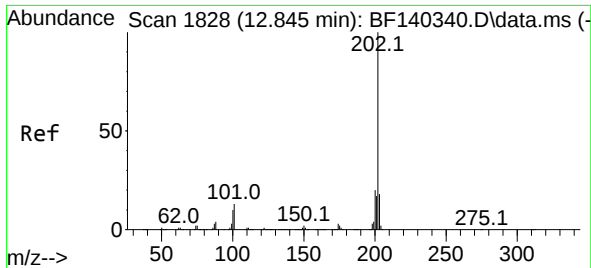
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

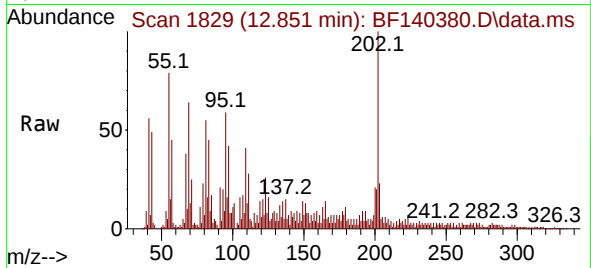
Tgt Ion:240 Resp: 212247
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 25.8 20.9 31.3





#78
Pyrene
Concen: 5.522 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

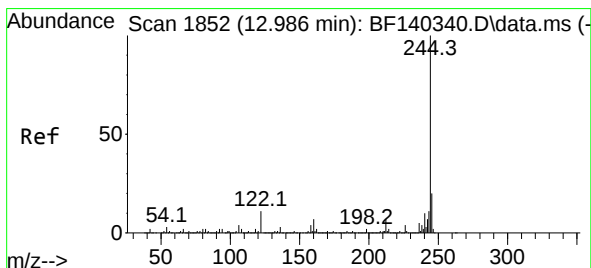
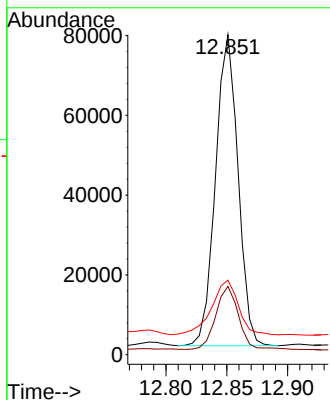
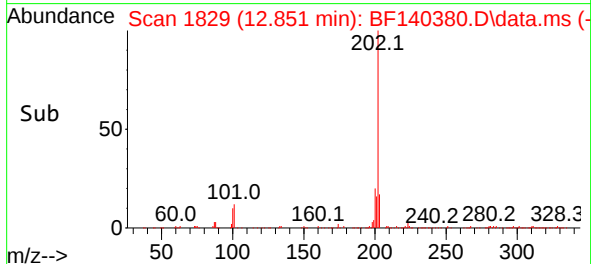
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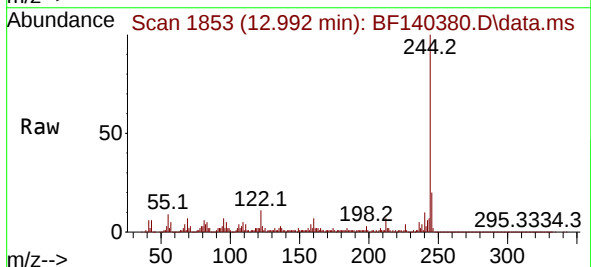
Tgt Ion:202 Resp: 10025
Ion Ratio Lower Upper
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203 23.3 14.2 21.4

Manual Integrations
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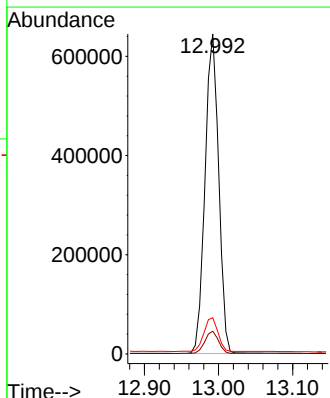
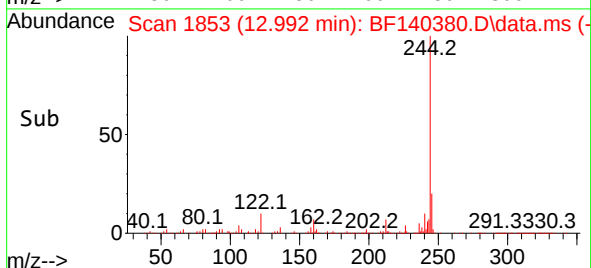
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

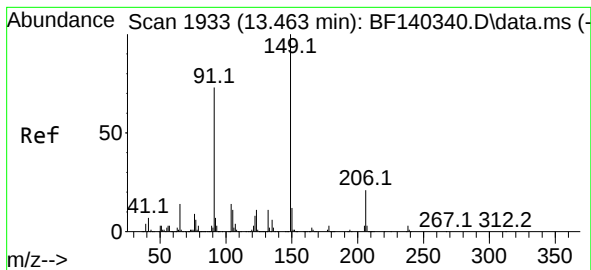


#79
Terphenyl-d14
Concen: 67.352 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13



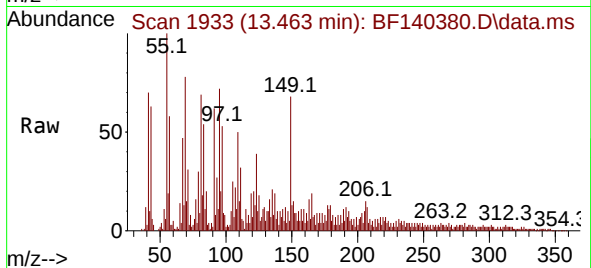
Tgt Ion:244 Resp: 823555
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 11.3 8.8 13.2





#80
Butylbenzylphthalate
Concen: 4.028 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.006 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

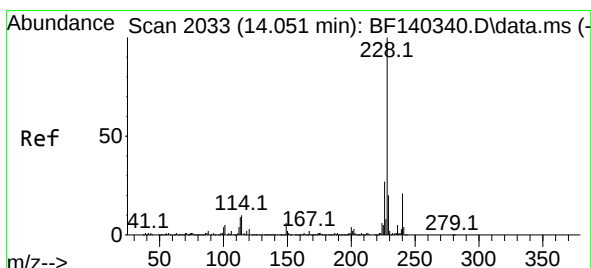
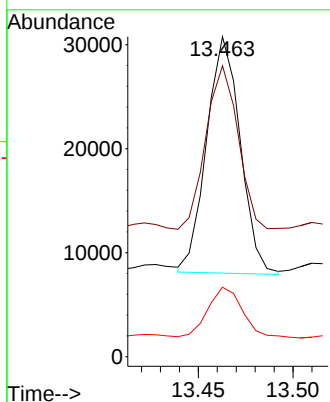
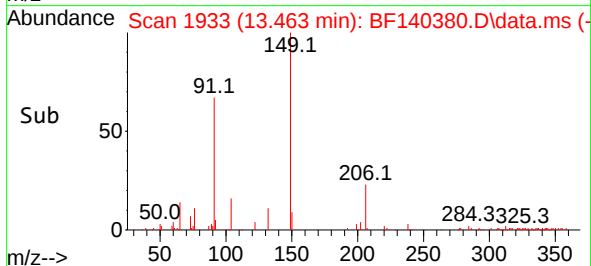
Instrument :
BNA_F
ClientSampleId :
LAW-23-00189RE



Tgt Ion:149 Resp: 2809
Ion Ratio Lower Upper
149 100
91 90.9 61.0 91.4
206 21.7 16.1 24.1

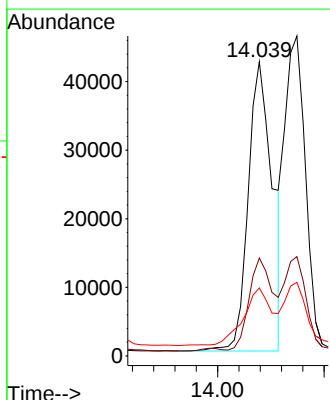
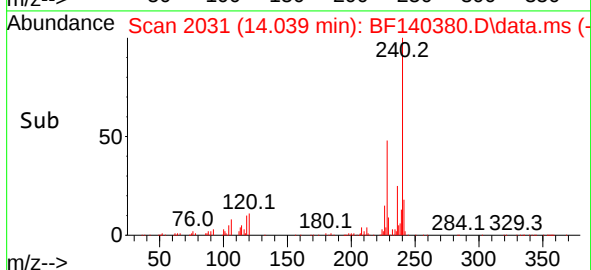
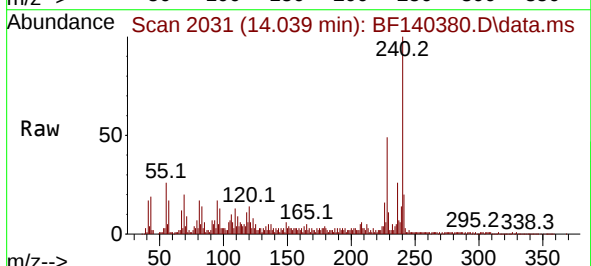
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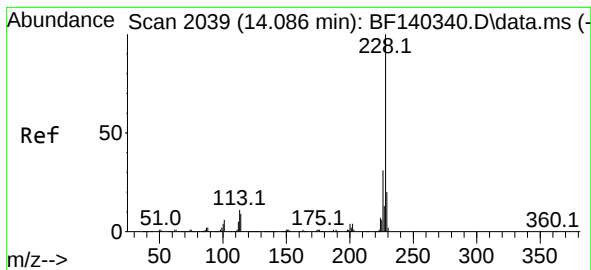
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#81
Benzo(a)anthracene
Concen: 4.764 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Tgt Ion:228 Resp: 66459
Ion Ratio Lower Upper
228 100
226 33.3 22.2 33.4
229 23.1 15.8 23.6





#83

Chrysene

Concen: 4.894 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

Instrument :

BNA_F

ClientSampleId :

LAW-23-00189RE

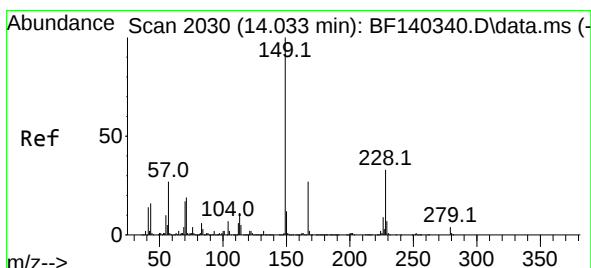
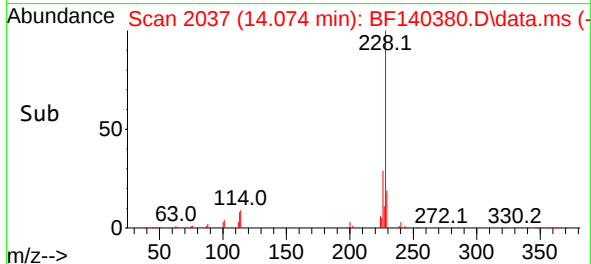
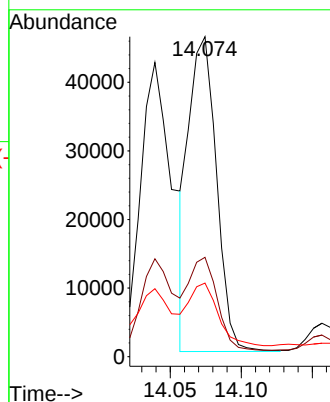
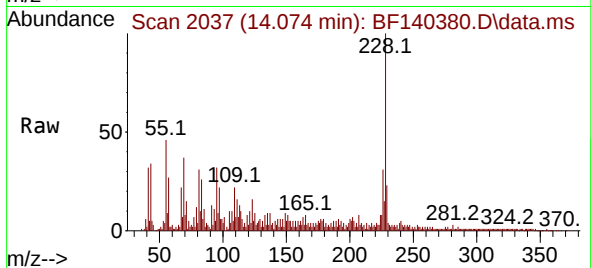
Tgt Ion:	228	Resp:	6228
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.5	36.7
229	23.0	16.0	24.0

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.585 ng

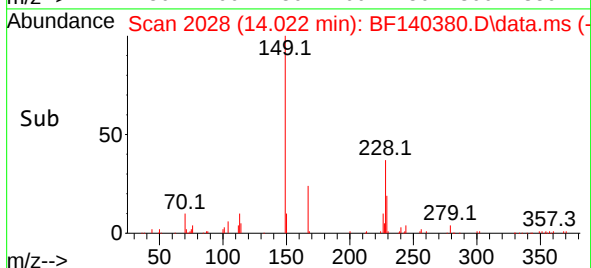
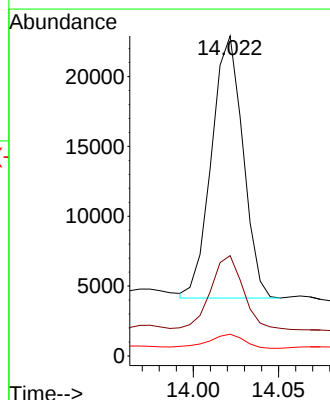
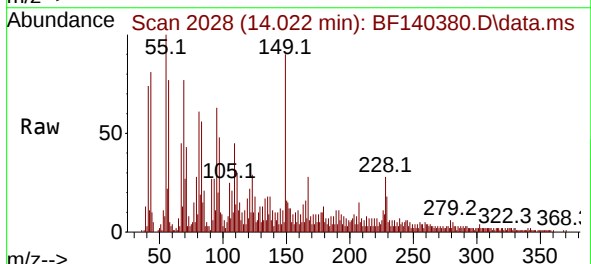
RT: 14.022 min Scan# 2028

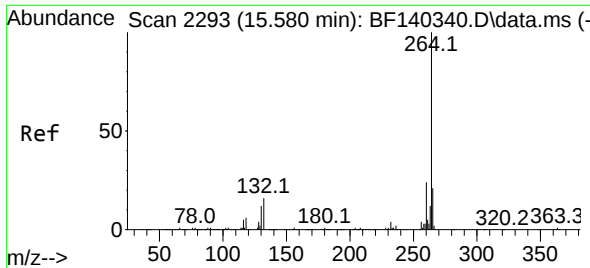
Delta R.T. 0.000 min

Lab File: BF140380.D

Acq: 14 Nov 2024 23:13

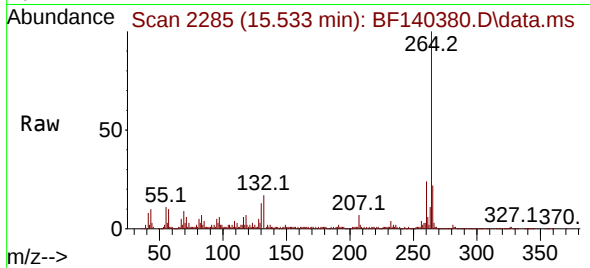
Tgt Ion:	149	Resp:	24064
Ion Ratio	Lower	Upper	
149	100		
167	31.3	21.4	32.0
279	6.8	3.0	4.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

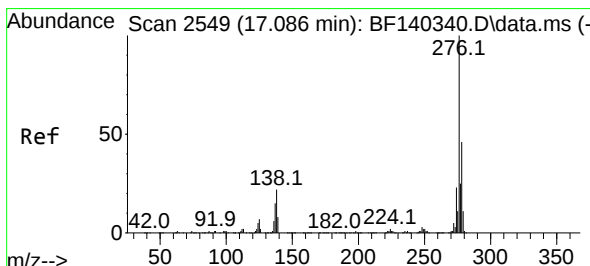
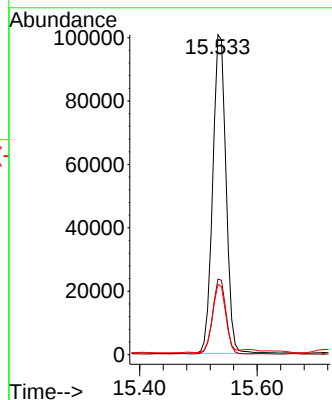
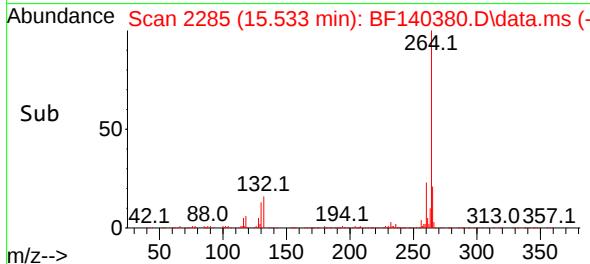
Instrument :
BNA_F
ClientSampleId :
LAW-23-00189RE



Tgt Ion:264 Resp: 15751
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.9 17.1 25.7

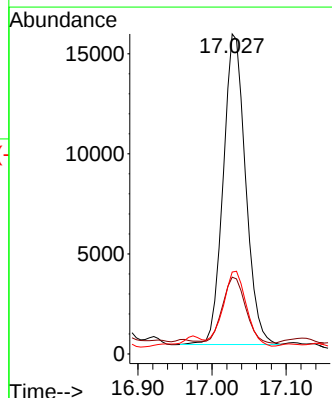
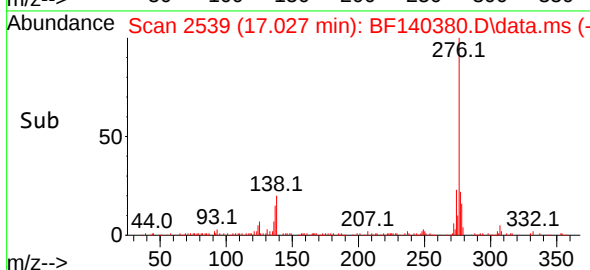
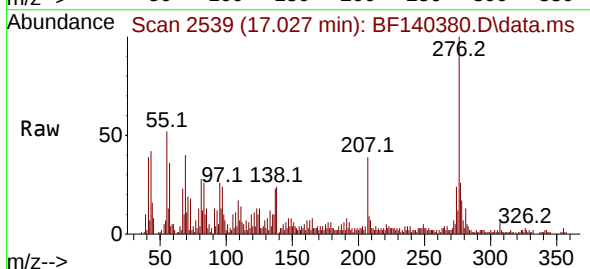
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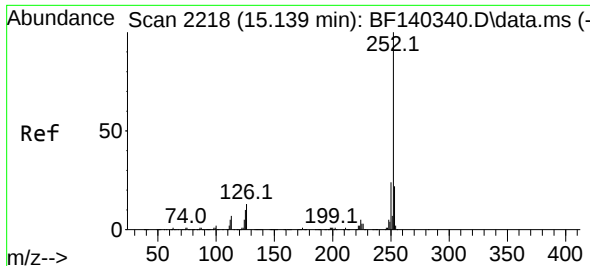
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.337 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.029 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Tgt Ion:276 Resp: 32470
Ion Ratio Lower Upper
276 100
138 21.8 18.8 28.2
277 25.1 20.2 30.2





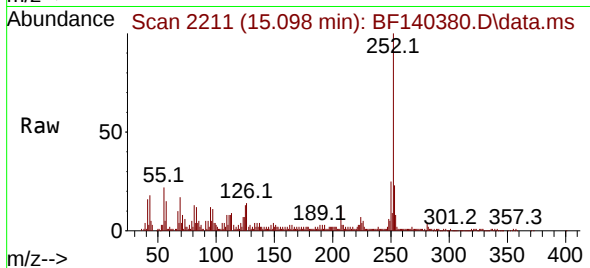
#88
Benzo(b)fluoranthene
Concen: 8.226 ng m
RT: 15.098 min Scan# 2111
Delta R.T. -0.018 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Instrument :

BNA_F

ClientSampleId :

LAW-23-00189RE



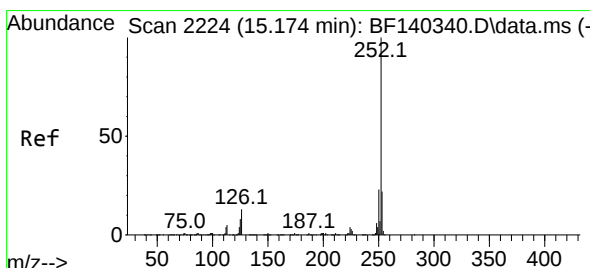
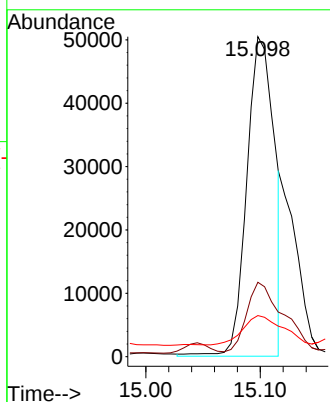
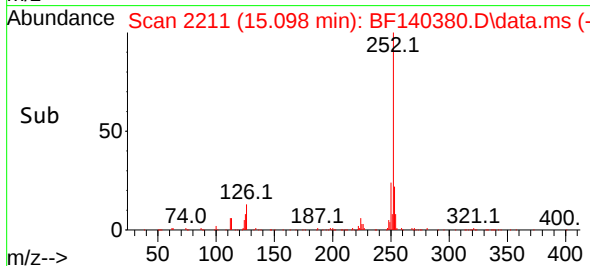
Tgt Ion:252 Resp: 84762
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 12.8 8.0 12.0

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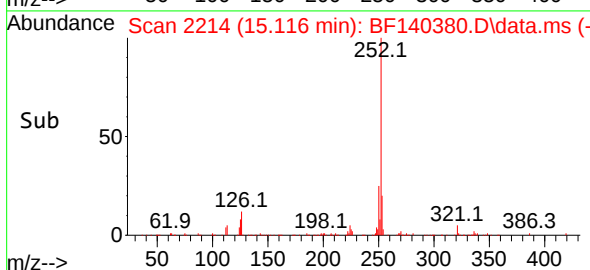
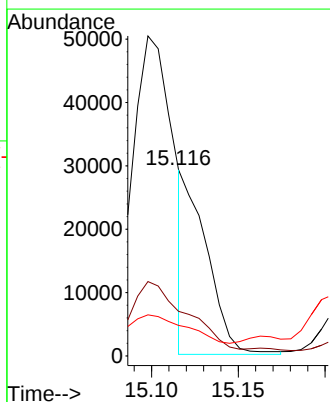
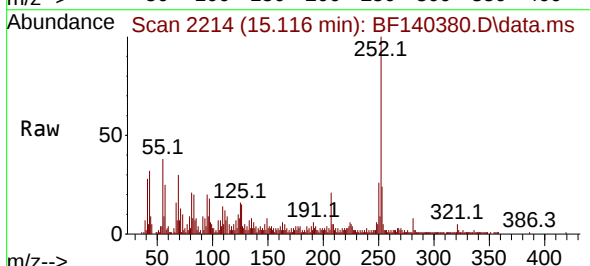
Reviewed By :Yogesh Patel 11/15/2024

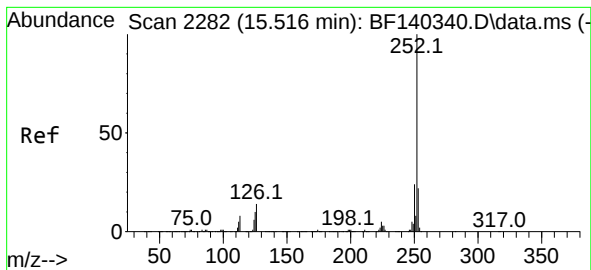
Supervised By :mohammad ahmed 11/15/2024



#89
Benzo(k)fluoranthene
Concen: 3.181 ng m
RT: 15.116 min Scan# 2214
Delta R.T. -0.035 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Tgt Ion:252 Resp: 26777
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 16.4 7.4 11.2





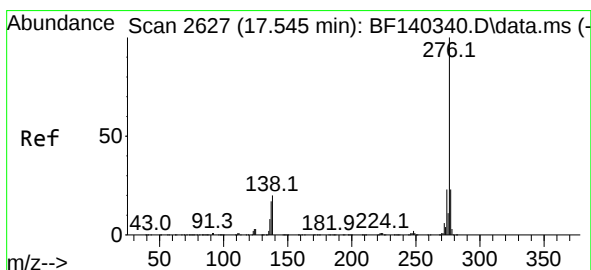
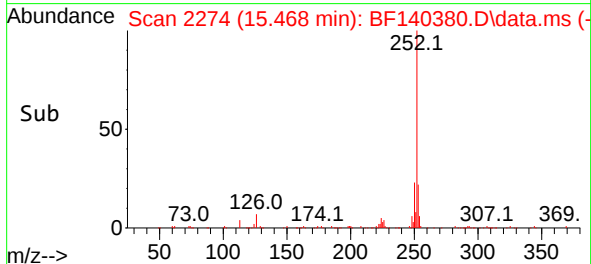
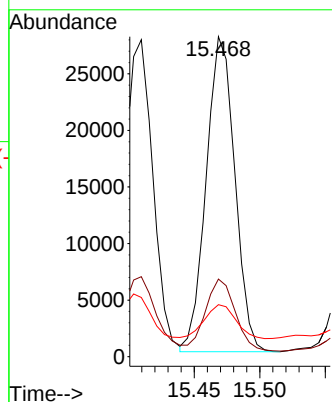
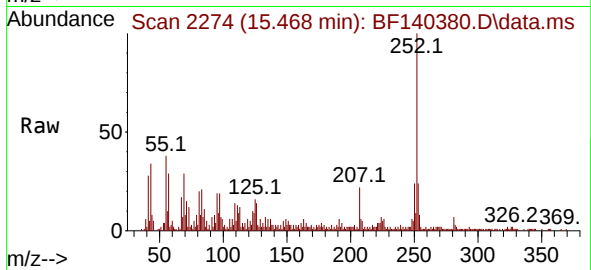
#90
Benzo(a)pyrene
Concen: 5.293 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Instrument :
BNA_F
ClientSampleId :
LAW-23-00189RE

Tgt Ion:252 Resp: 42354
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 16.3 8.4 12.6

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Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#92
Benzo(g,h,i)perylene
Concen: 4.155 ng
RT: 17.486 min Scan# 2617
Delta R.T. -0.029 min
Lab File: BF140380.D
Acq: 14 Nov 2024 23:13

Tgt Ion:276 Resp: 34161
Ion Ratio Lower Upper
276 100
277 24.0 18.6 28.0
138 22.6 16.0 24.0

