

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140890.D
 Acq On : 17 Dec 2024 17:22
 Operator : RC/JU
 Sample : P5279-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROCKAWAY-PARK

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 18 00:13:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	57445	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	220060	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	113565	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	201340	20.000	ng	0.00
76) Chrysene-d12	14.022	240	178498	20.000	ng	-0.01
86) Perylene-d12	15.516	264	185951	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	214285	61.407	ng	0.00
7) Phenol-d6	6.498	99	291981	63.172	ng	0.00
23) Nitrobenzene-d5	7.410	82	212736	48.366	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	76347	56.842	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	408390	49.441	ng	0.00
79) Terphenyl-d14	12.957	244	459185	40.565	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	39945	3.304	ng	98
49) Acenaphthylene	9.745	152	63054	6.211	ng	99
52) Acenaphthene	9.916	154	23804	3.671	ng	99
58) Fluorene	10.434	166	21092	2.544	ng	96
71) Phenanthrene	11.398	178	219520	21.202	ng	99
72) Anthracene	11.451	178	46899	4.600	ng	98
75) Fluoranthene	12.592	202	342571	28.729	ng	99
78) Pyrene	12.822	202	446351	28.120	ng	99
81) Benzo(a)anthracene	14.016	228	248523	19.645	ng	97
83) Chrysene	14.051	228	178387	15.507	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	109571	9.442	ng	# 93
88) Benzo(b)fluoranthene	15.086	252	245376m	19.010	ng	
89) Benzo(k)fluoranthene	15.098	252	94941m	8.575	ng	
90) Benzo(a)pyrene	15.457	252	181398	17.947	ng	97
91) Dibenzo(a,h)anthracene	17.021	278	29335	3.051	ng	# 89
92) Benzo(g,h,i)perylene	17.474	276	105031	10.735	ng	97

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

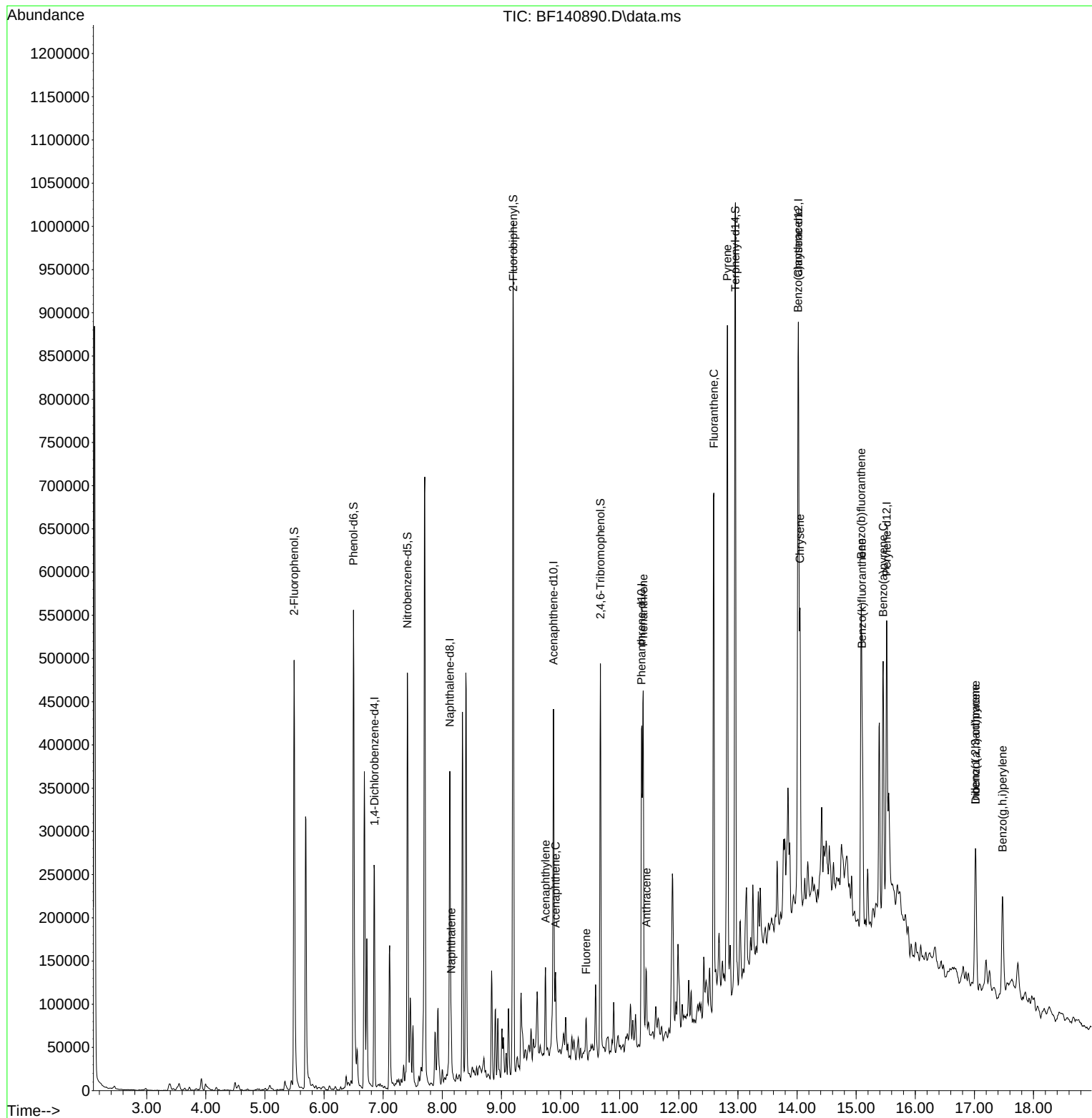
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140890.D
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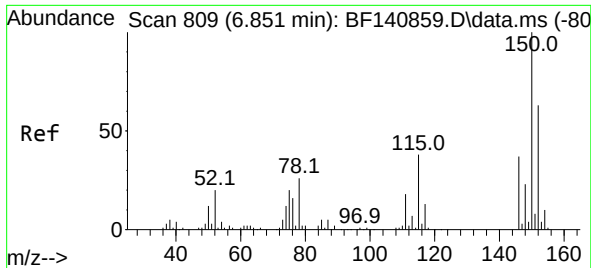
Instrument :
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ClientSampleId :
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Quant Time: Dec 18 00:13:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
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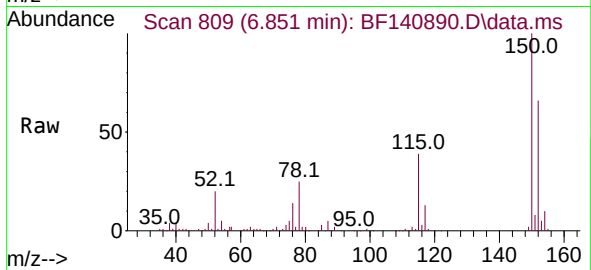
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

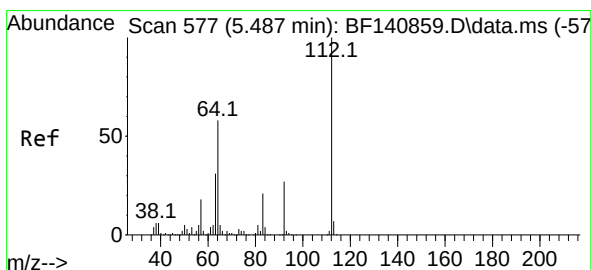
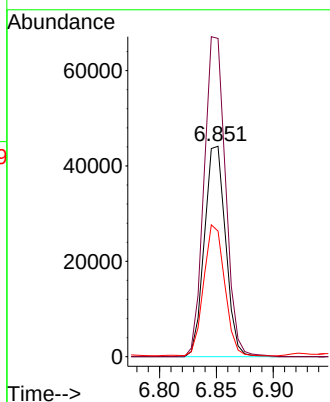
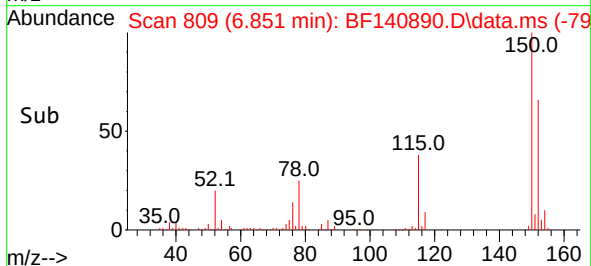
Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK



Tgt Ion:152 Resp: 5744
Ion Ratio Lower Upper
152 100
150 151.3 127.9 191.9
115 59.7 48.0 72.0

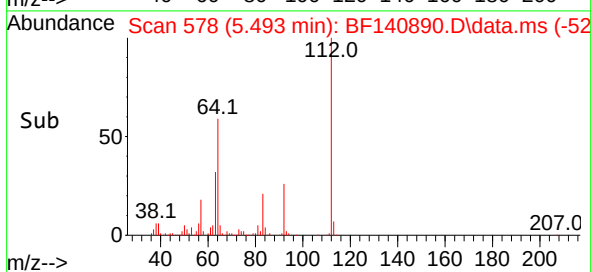
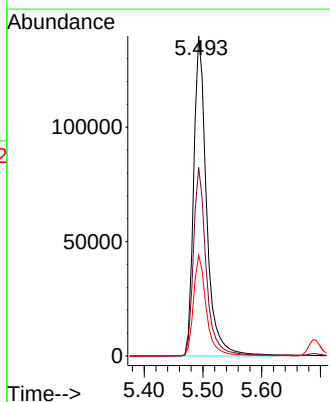
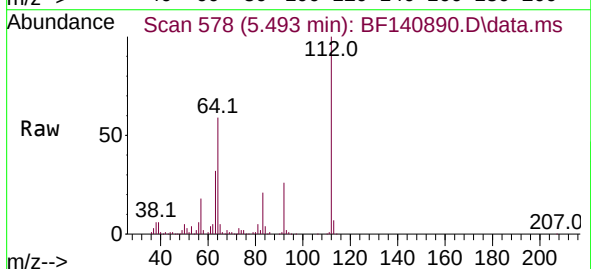
Manual Integrations
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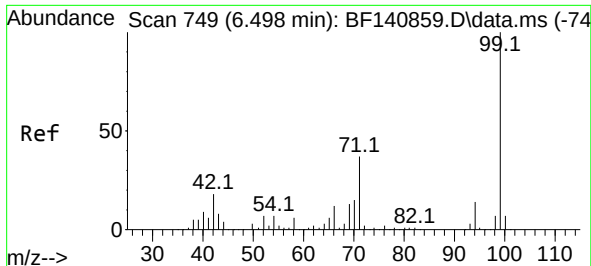
Reviewed By :Yogesh Patel 12/18/2024
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#5
2-Fluorophenol
Concen: 61.407 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

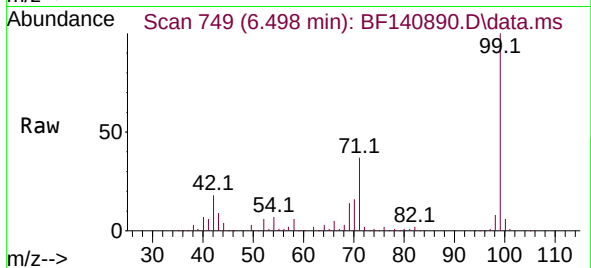
Tgt Ion:112 Resp: 214285
Ion Ratio Lower Upper
112 100
64 58.9 46.1 69.1
63 31.5 24.9 37.3





#7
Phenol-d6
Concen: 63.172 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

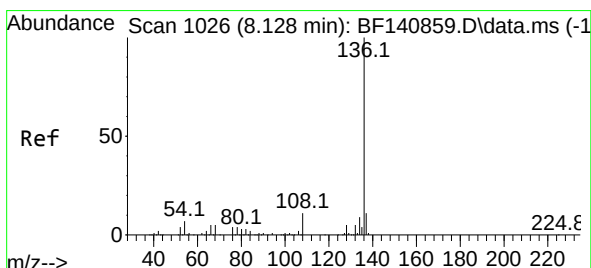
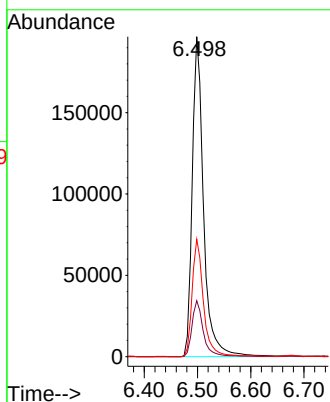
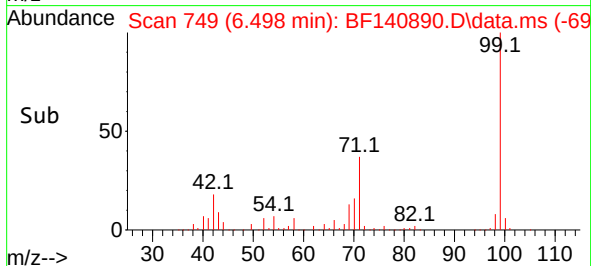
Instrument :
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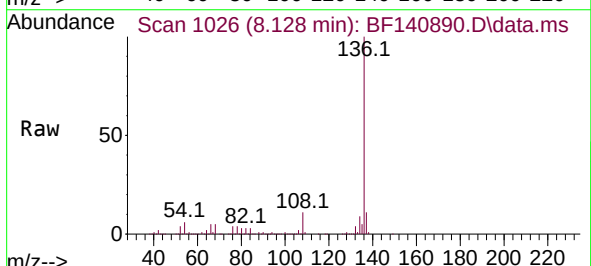
Tgt Ion: 99 Resp: 29198
Ion Ratio Lower Upper
99 100
42 17.5 14.3 21.5
71 36.7 29.9 44.9

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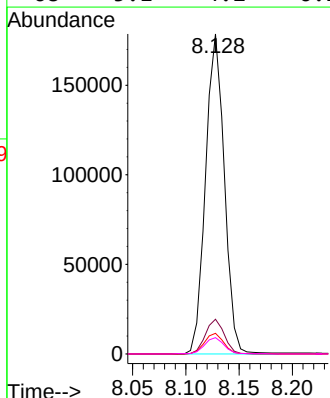
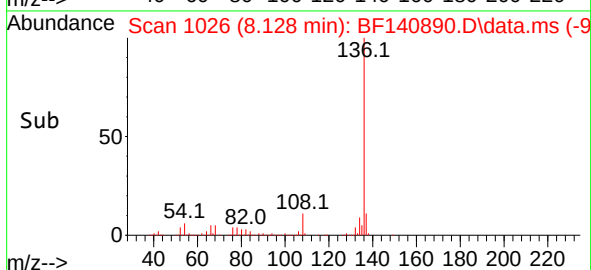
Reviewed By :Yogesh Patel 12/18/2024
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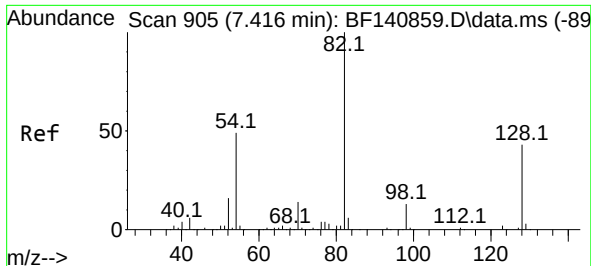


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22



Tgt Ion:136 Resp: 220060
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.4 5.6 8.4
68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 48.366 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

Instrument :

BNA_F

ClientSampleId :

ROCKAWAY-PARK

Tgt Ion: 82 Resp: 212730

Ion Ratio Lower Upper

82 100

128 41.7 34.4 51.6

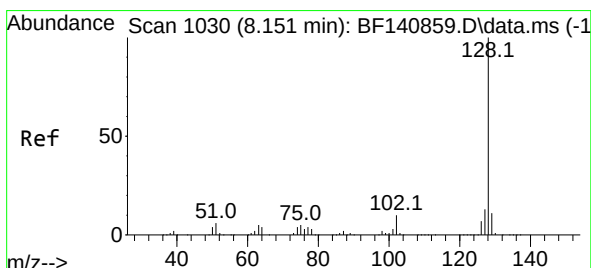
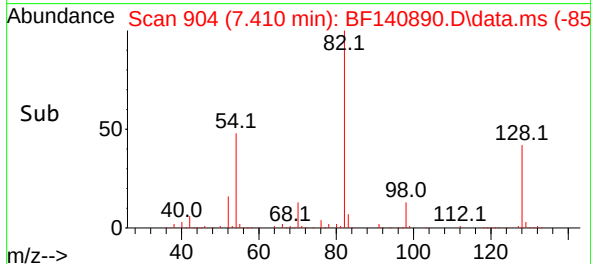
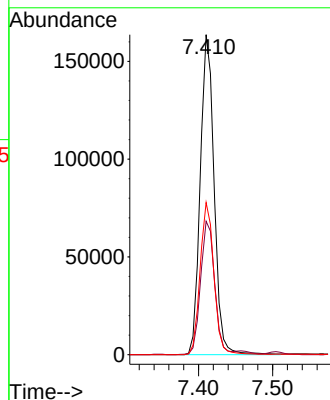
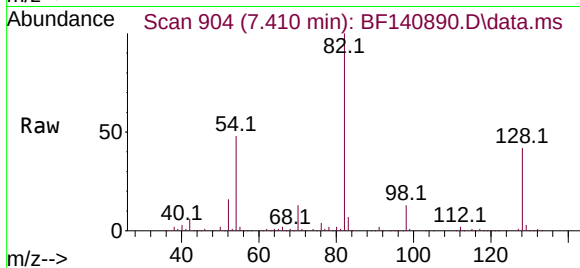
54 47.6 38.8 58.2

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#31

Naphthalene

Concen: 3.304 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

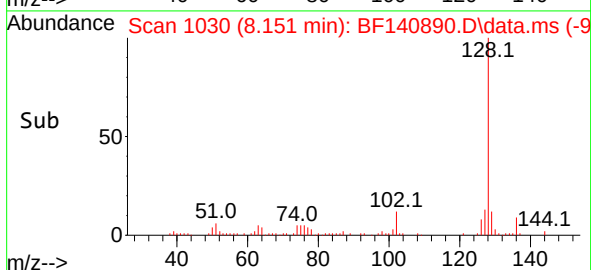
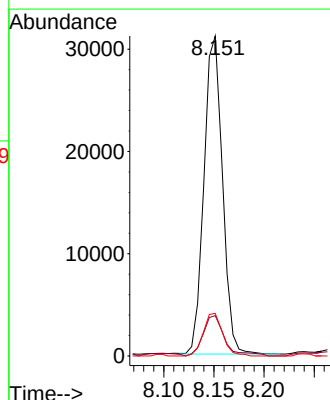
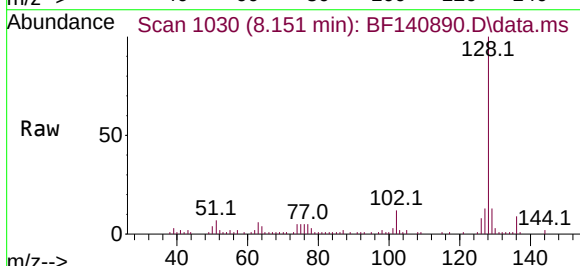
Tgt Ion:128 Resp: 39945

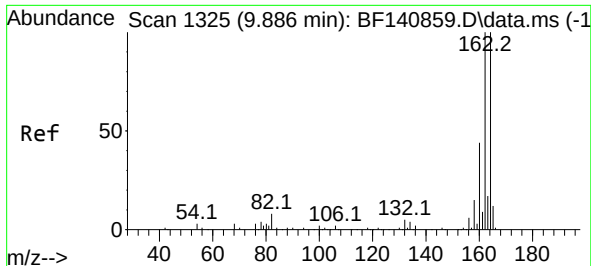
Ion Ratio Lower Upper

128 100

129 12.6 8.9 13.3

127 13.3 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140890.D

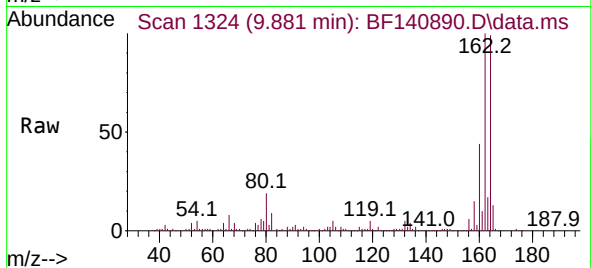
Acq: 17 Dec 2024 17:22

Instrument :

BNA_F

ClientSampleId :

ROCKAWAY-PARK



Tgt Ion:164 Resp: 11356

Ion Ratio Lower Upper

164 100

162 101.4 79.9 119.9

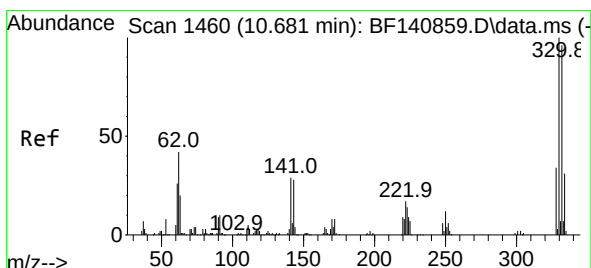
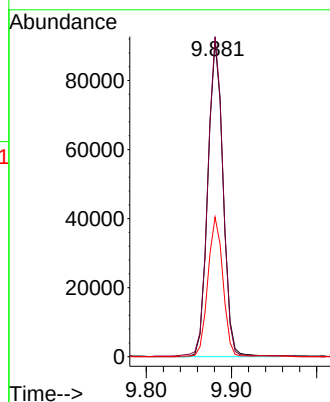
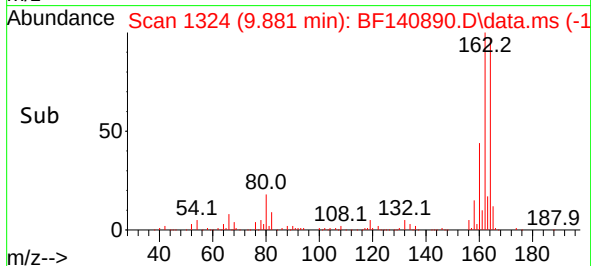
160 44.2 35.2 52.8

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 56.842 ng

RT: 10.675 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

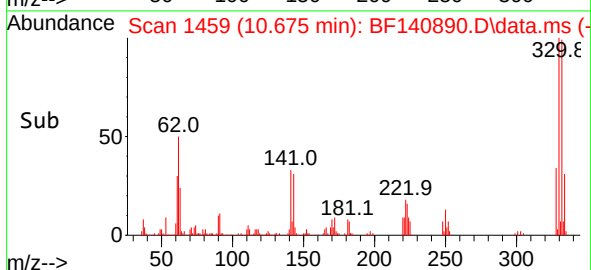
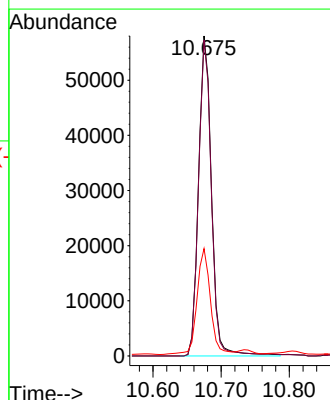
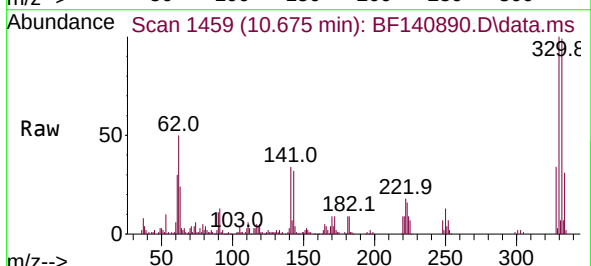
Tgt Ion:330 Resp: 76347

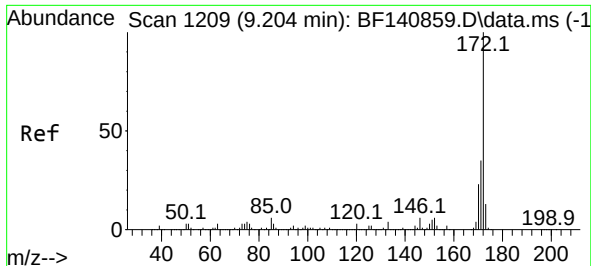
Ion Ratio Lower Upper

330 100

332 97.4 76.2 114.4

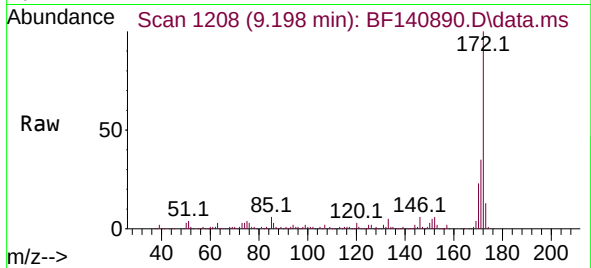
141 34.1 24.9 37.3





#45
2-Fluorobiphenyl
Concen: 49.441 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

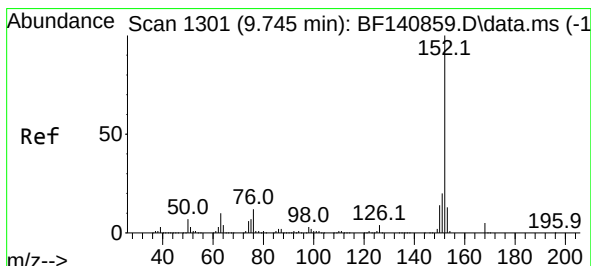
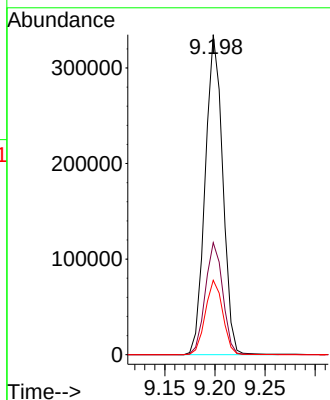
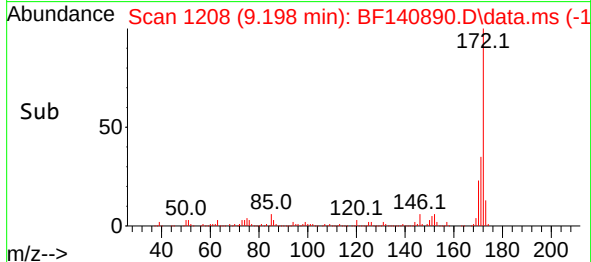
Instrument :
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ClientSampleId :
ROCKAWAY-PARK



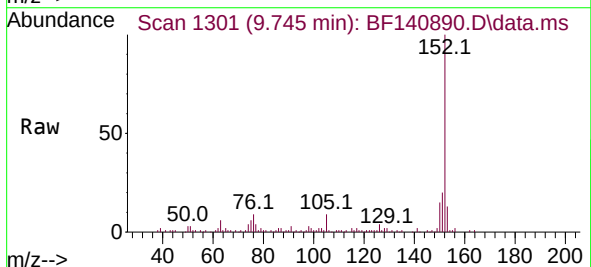
Tgt Ion:172 Resp: 408390
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.2 18.6 28.0

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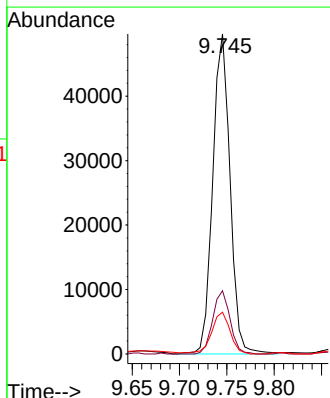
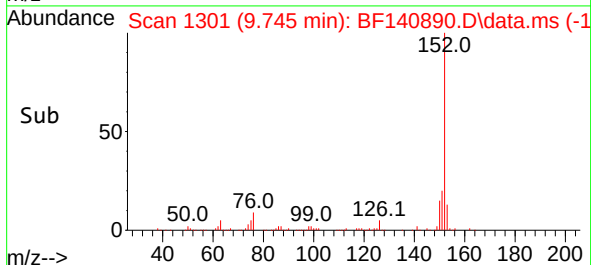
Reviewed By :Yogesh Patel 12/18/2024
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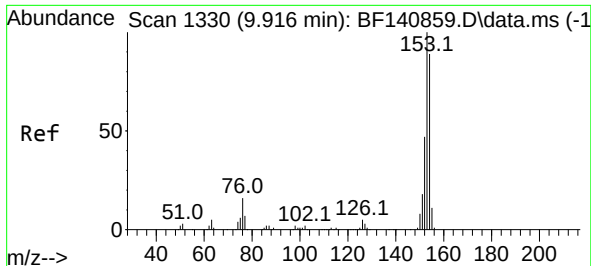


#49
Acenaphthylene
Concen: 6.211 ng
RT: 9.745 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22



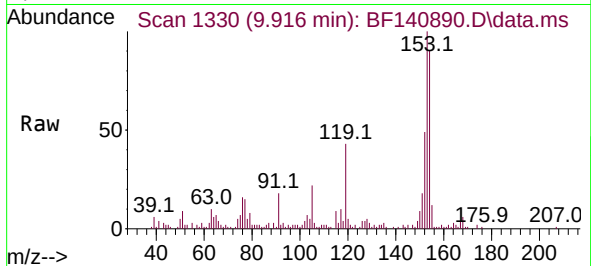
Tgt Ion:152 Resp: 63054
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.0 10.6 16.0





#52
Acenaphthene
Concen: 3.671 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

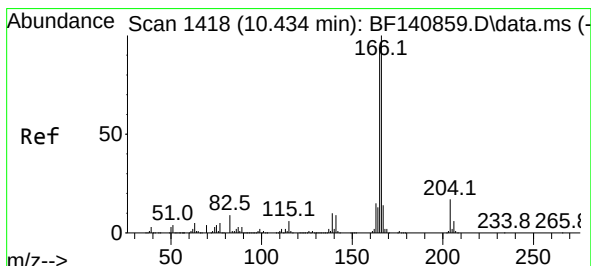
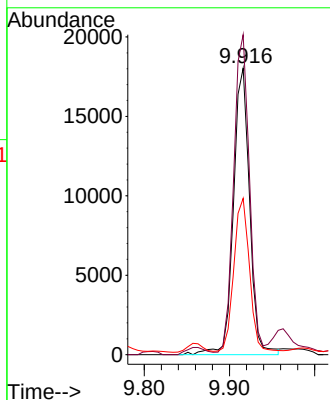
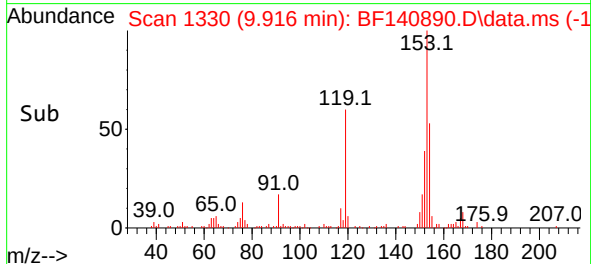
Instrument :
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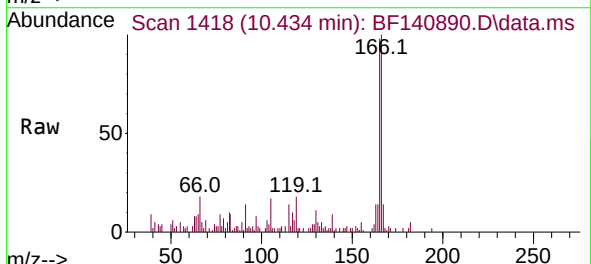
Tgt Ion:154 Resp: 23804
Ion Ratio Lower Upper
154 100
153 111.7 89.9 134.9
152 54.5 42.6 63.8

Manual Integrations
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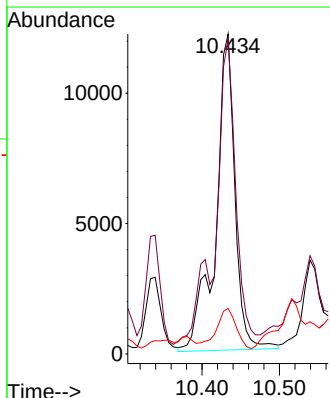
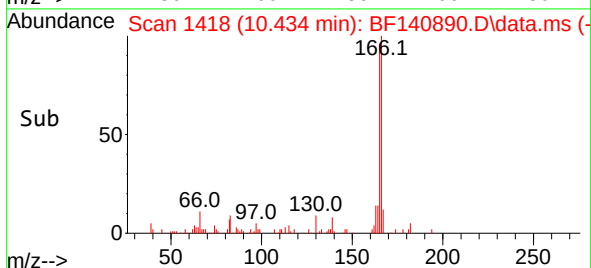
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

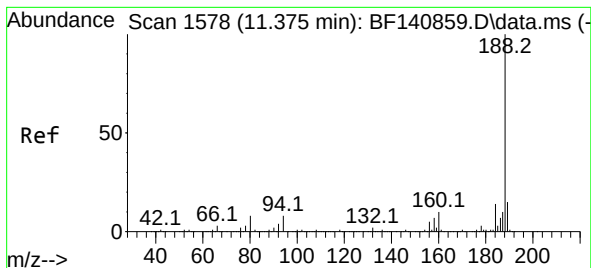


#58
Fluorene
Concen: 2.544 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22



Tgt Ion:166 Resp: 21092
Ion Ratio Lower Upper
166 100
165 98.4 75.1 112.7
167 14.2 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

Instrument :

BNA_F

ClientSampleId :

ROCKAWAY-PARK

Tgt Ion:188 Resp: 201340

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

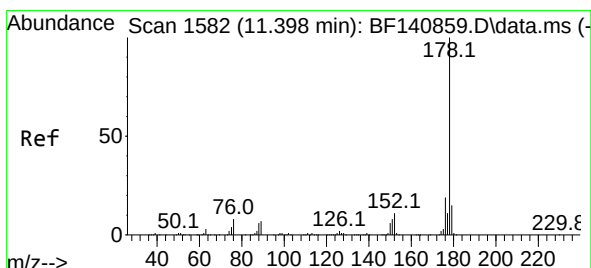
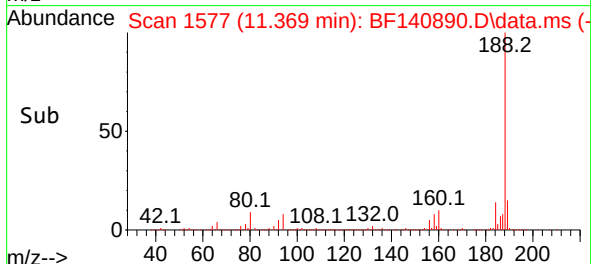
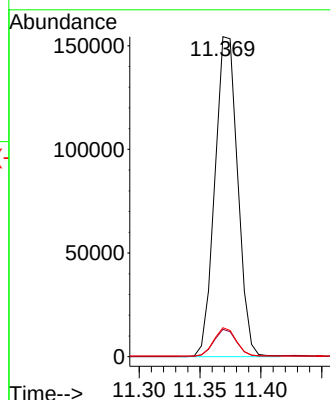
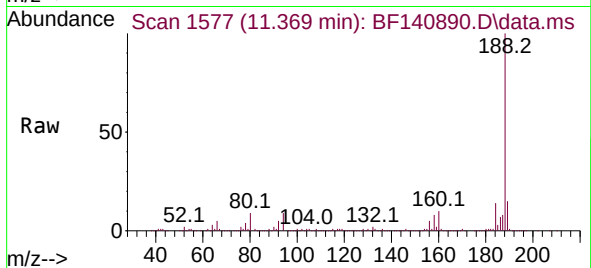
80 9.1 6.8 10.2

Manual Integrations

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#71

Phenanthrene

Concen: 21.202 ng

RT: 11.398 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

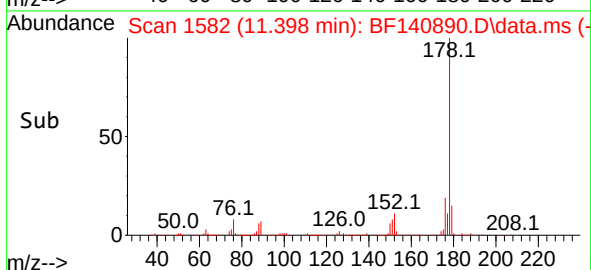
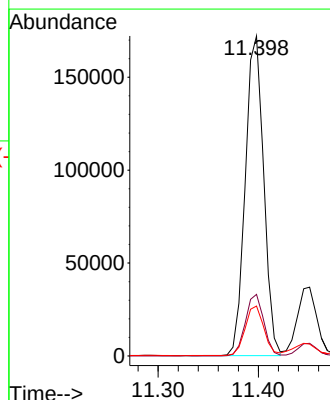
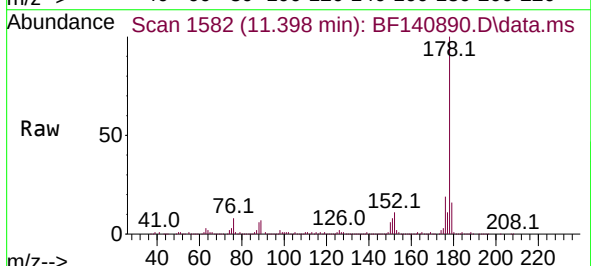
Tgt Ion:178 Resp: 219520

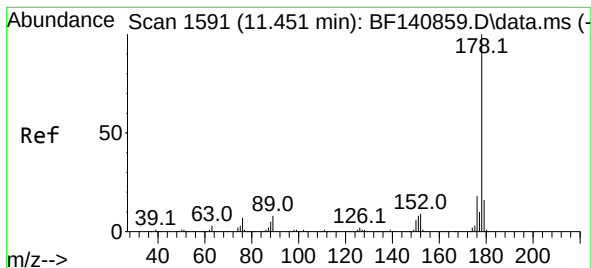
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

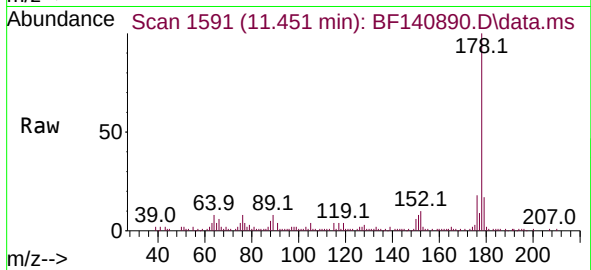
179 15.6 12.1 18.1





#72
 Anthracene
 Concen: 4.600 ng
 RT: 11.451 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF140890.D
 Acq: 17 Dec 2024 17:22

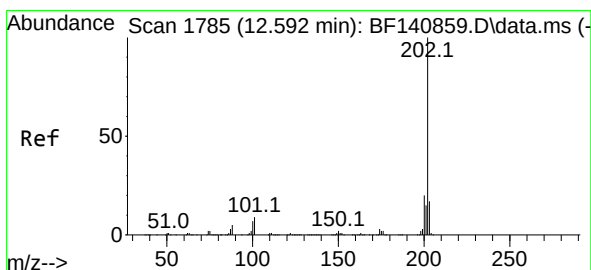
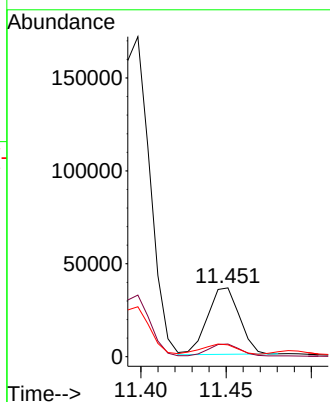
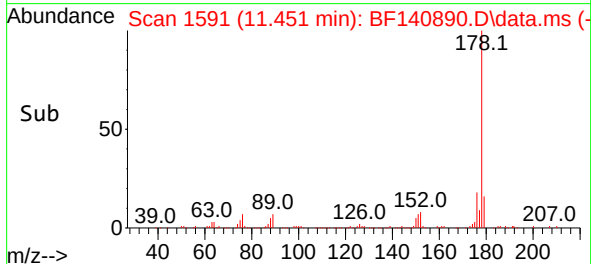
Instrument :
 BNA_F
 ClientSampleId :
 ROCKAWAY-PARK



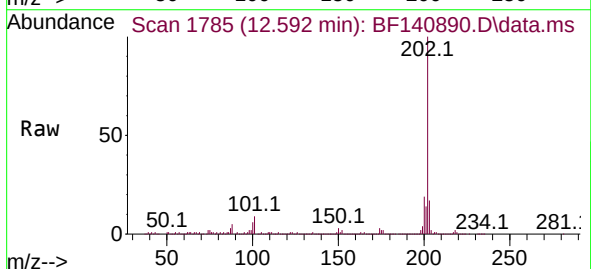
Tgt Ion:178 Resp: 46899
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 17.3 12.6 18.8

Manual Integrations
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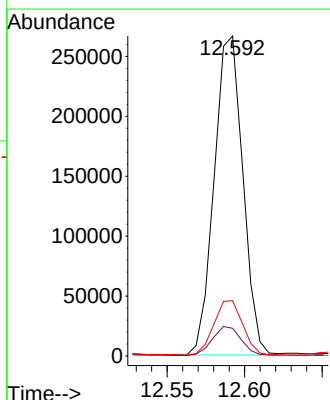
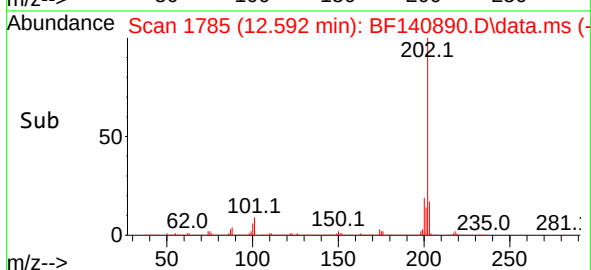
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

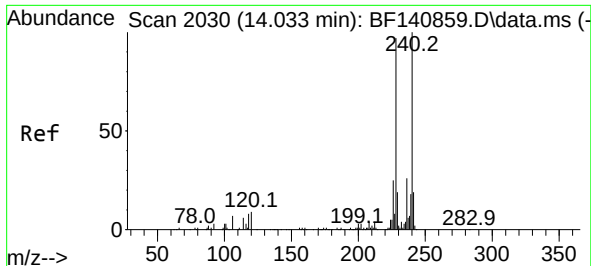


#75
 Fluoranthene
 Concen: 28.729 ng
 RT: 12.592 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: BF140890.D
 Acq: 17 Dec 2024 17:22



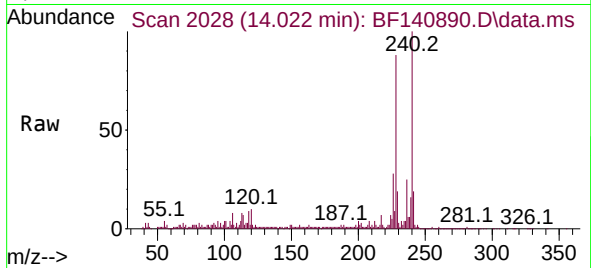
Tgt Ion:202 Resp: 342571
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 29.3
 203 17.3 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

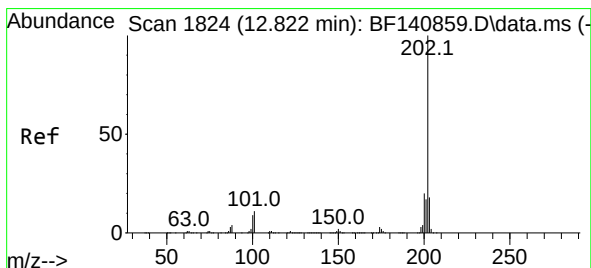
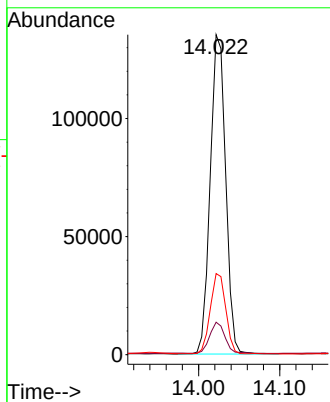
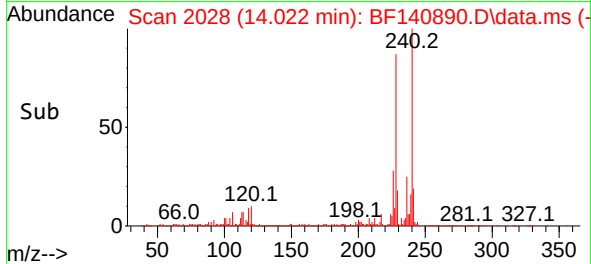
Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK



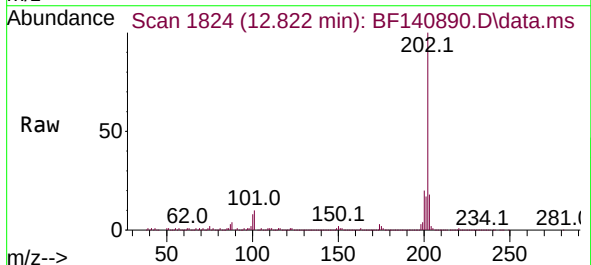
Tgt Ion:240 Resp: 178498
Ion Ratio Lower Upper
240 100
120 10.1 7.6 11.4
236 25.4 20.5 30.7

Manual Integrations
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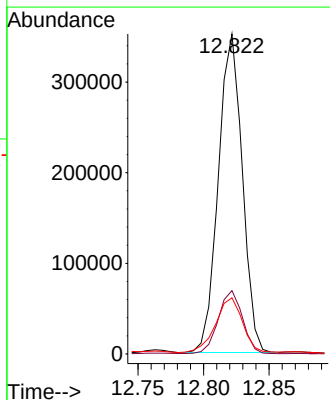
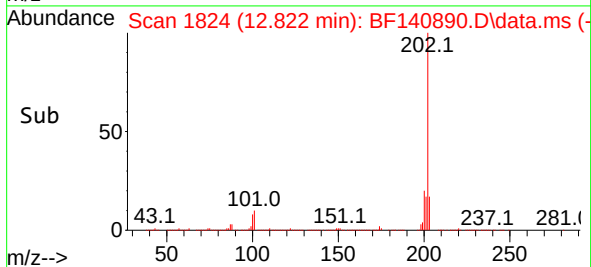
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

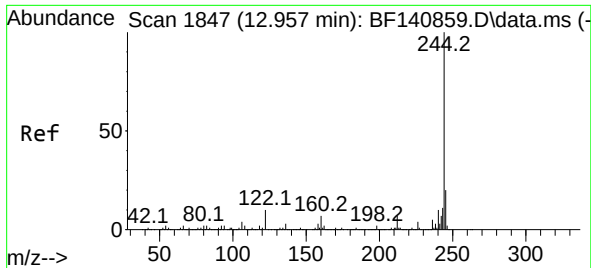


#78
Pyrene
Concen: 28.120 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22



Tgt Ion:202 Resp: 446351
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 40.565 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF140890.D
 Acq: 17 Dec 2024 17:22

Instrument :

BNA_F

ClientSampleId :

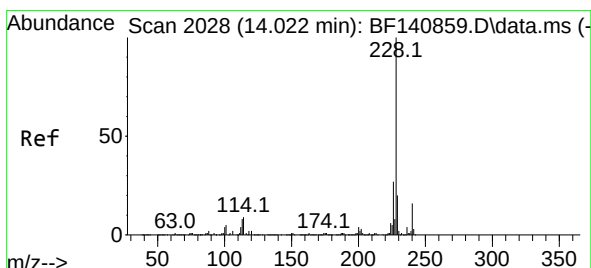
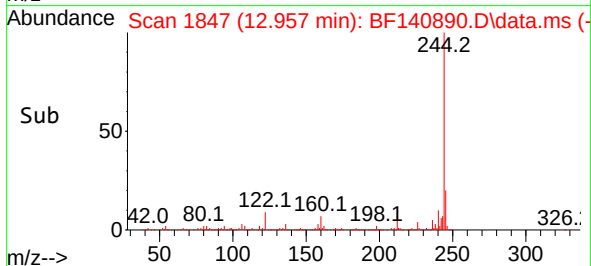
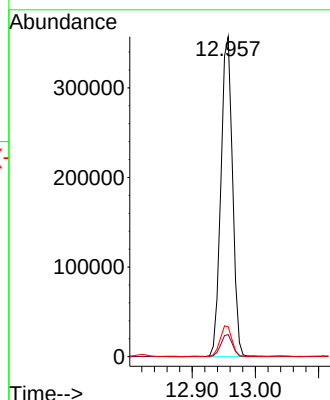
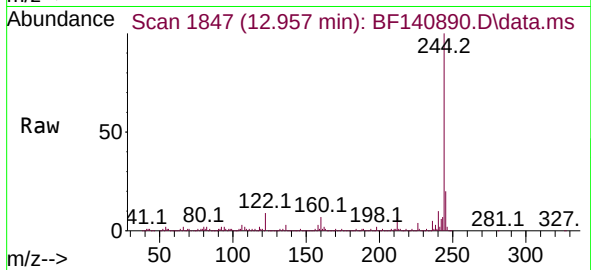
ROCKAWAY-PARK

Tgt Ion:244 Resp: 45918
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.3 8.2 12.2

Manual Integrations

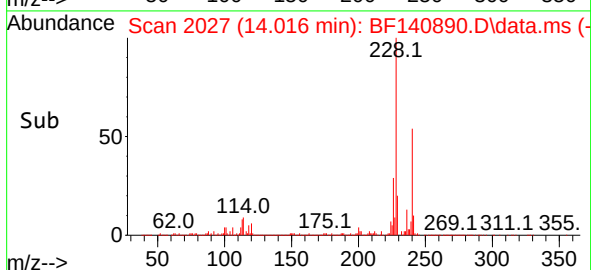
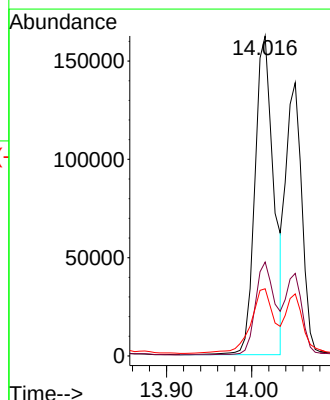
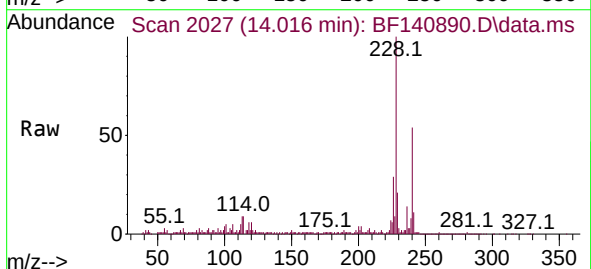
APPROVED

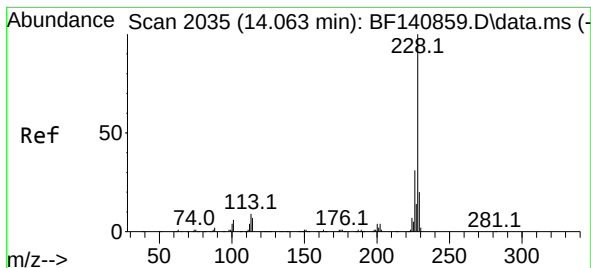
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



#81
 Benzo(a)anthracene
 Concen: 19.645 ng
 RT: 14.016 min Scan# 2027
 Delta R.T. -0.006 min
 Lab File: BF140890.D
 Acq: 17 Dec 2024 17:22

Tgt Ion:228 Resp: 248523
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.8 32.8
 229 21.0 15.8 23.8





#83

Chrysene

Concen: 15.507 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

Instrument :

BNA_F

ClientSampleId :

ROCKAWAY-PARK

Tgt Ion:228 Resp: 17838

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

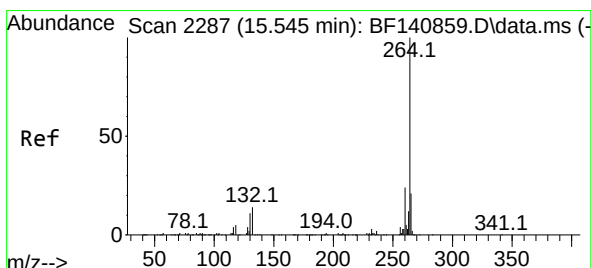
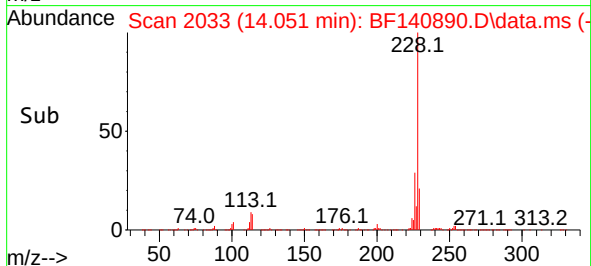
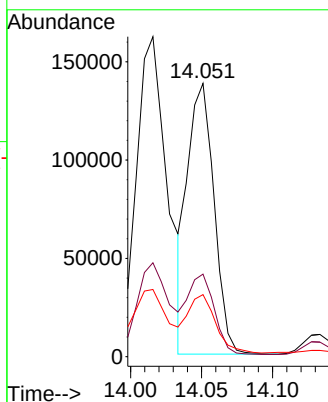
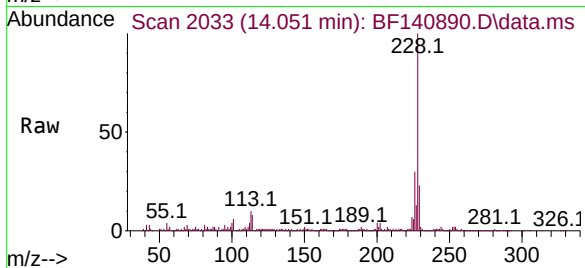
229 22.7 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 2282

Delta R.T. -0.029 min

Lab File: BF140890.D

Acq: 17 Dec 2024 17:22

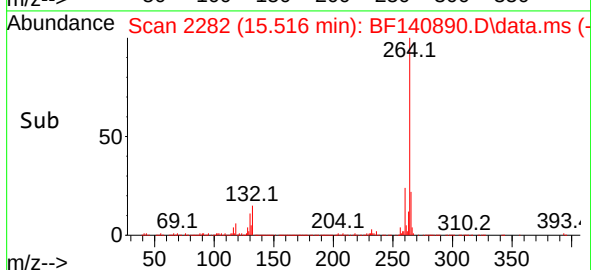
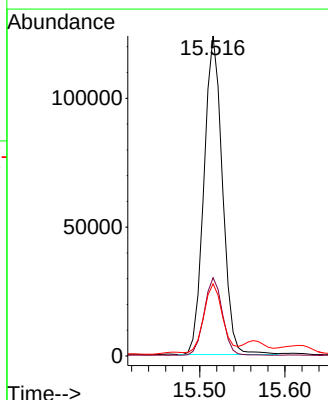
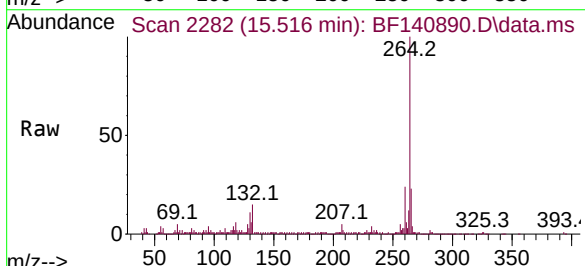
Tgt Ion:264 Resp: 185951

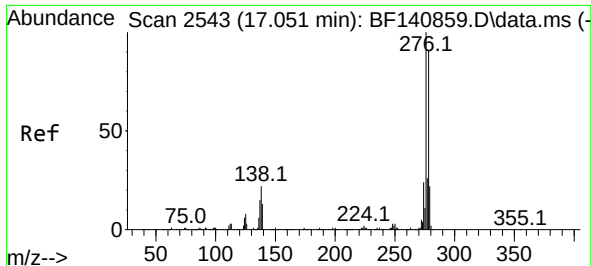
Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

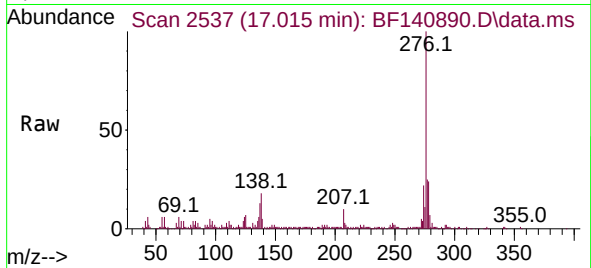
265 22.6 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.442 ng
RT: 17.015 min Scan# 2109
Delta R.T. -0.035 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

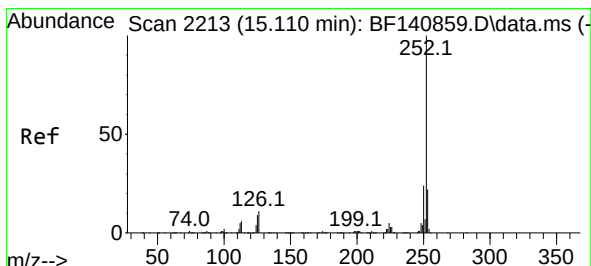
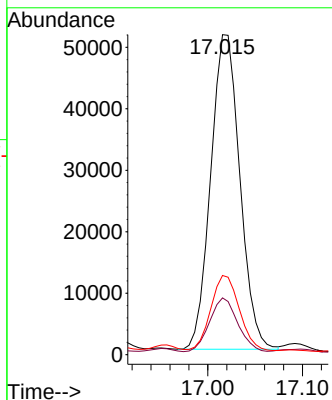
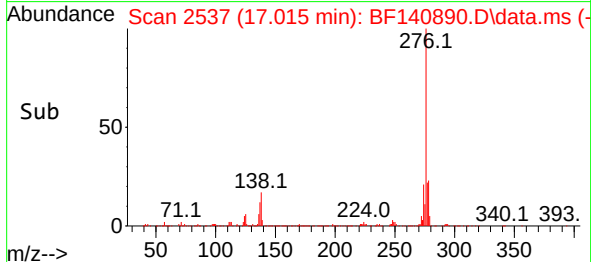
Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK



Tgt Ion:276 Resp: 10957
Ion Ratio Lower Upper
276 100
138 16.7 16.9 25.3
277 23.2 20.2 30.4

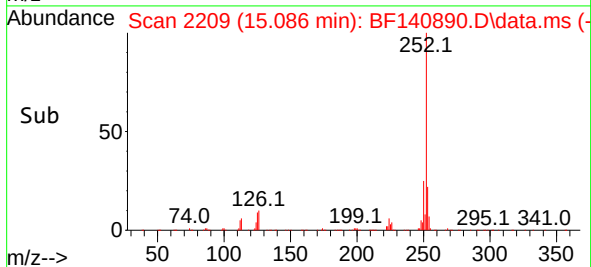
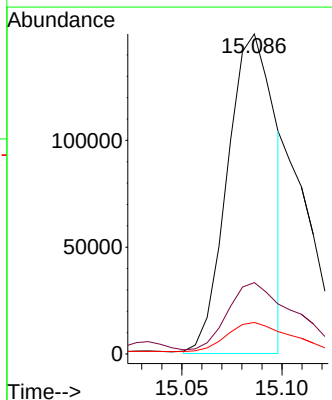
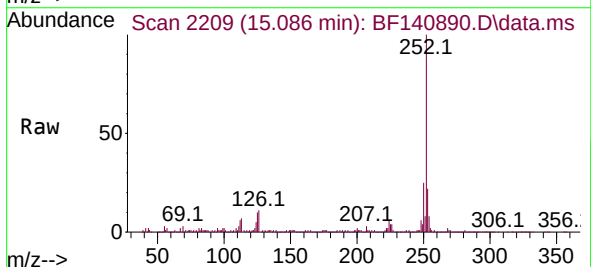
Manual Integrations
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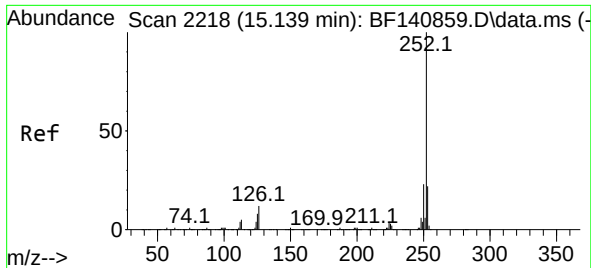
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#88
Benzo(b)fluoranthene
Concen: 19.010 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:252 Resp: 245376
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 9.8 7.0 10.4





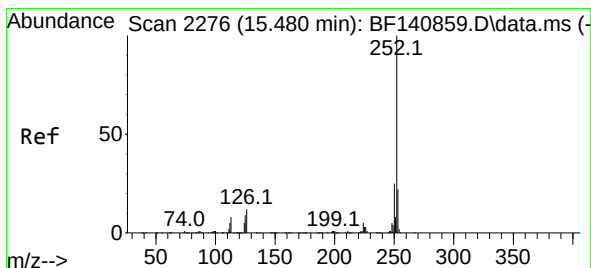
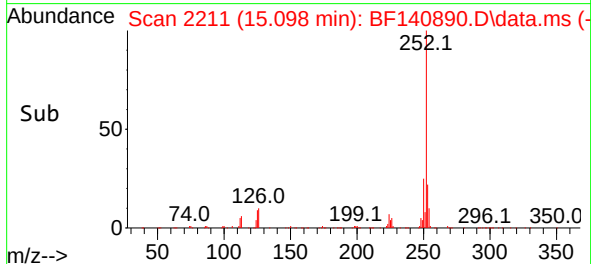
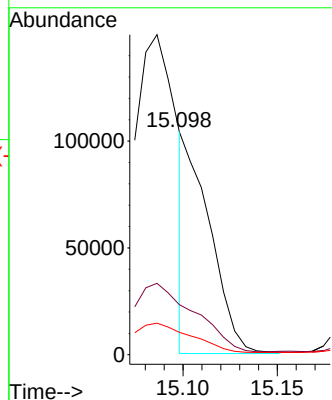
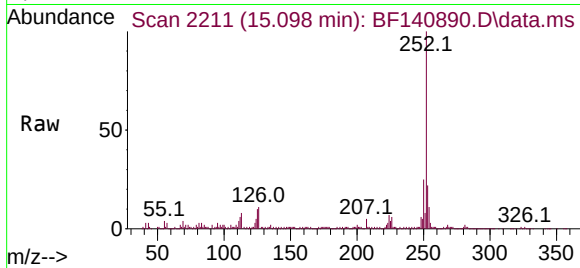
#89
Benzo(k)fluoranthene
Concen: 8.575 ng m
RT: 15.098 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Tgt Ion:252 Resp: 9494
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.1 6.8 10.2

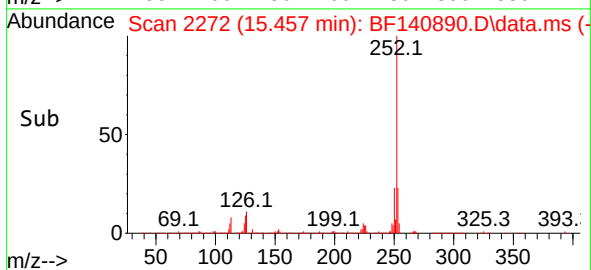
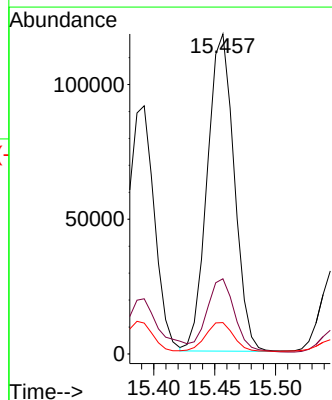
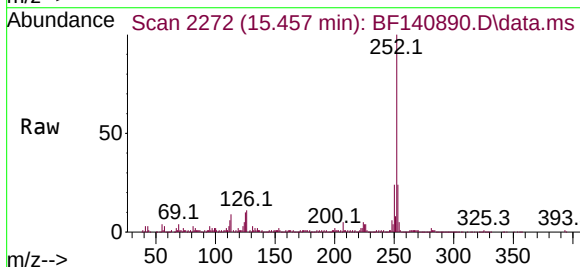
Manual Integrations
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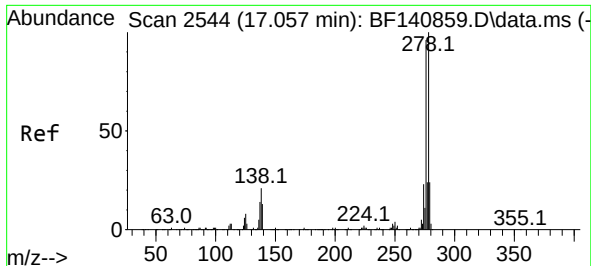
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#90
Benzo(a)pyrene
Concen: 17.947 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.023 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

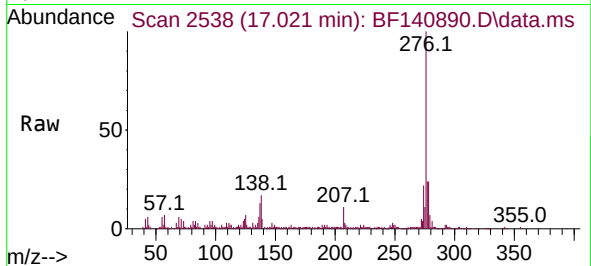
Tgt Ion:252 Resp: 181398
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.8 7.5 11.3





#91
Dibenzo(a,h)anthracene
Concen: 3.051 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

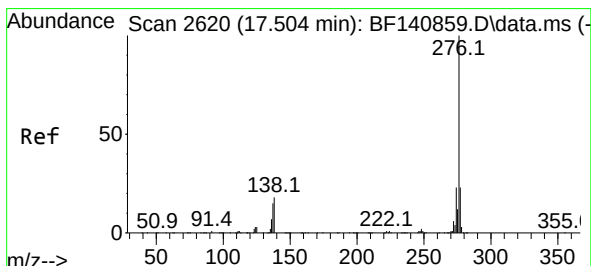
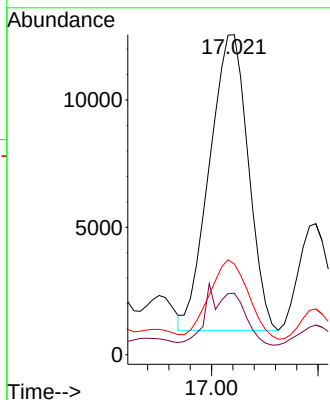
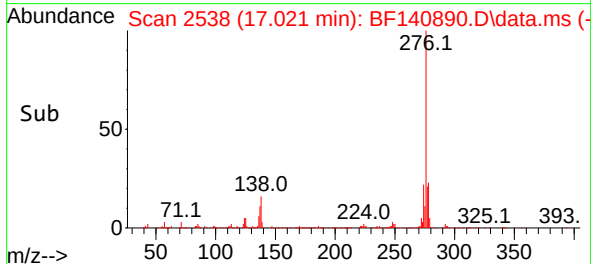
Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK



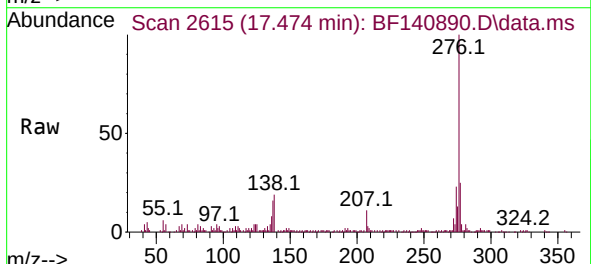
Tgt Ion:278 Resp: 29335
Ion Ratio Lower Upper
278 100
139 19.2 10.6 16.0
279 28.4 19.2 28.8

Manual Integrations
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#92
Benzo(g,h,i)perylene
Concen: 10.735 ng
RT: 17.474 min Scan# 2615
Delta R.T. -0.029 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22



Tgt Ion:276 Resp: 105031
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 18.8 14.2 21.2

