

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140382.D
 Acq On : 15 Nov 2024 00:05
 Operator : RC/JU
 Sample : P4816-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 331RE

Manual Integrations
 APPROVED

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

Quant Time: Nov 15 02:37:05 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	126008	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	438522	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	190782	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	300024	20.000	ng	0.00
76) Chrysene-d12	14.051	240	186165	20.000	ng	0.00
86) Perylene-d12	15.539	264	150043	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	562060	76.158	ng	0.02
7) Phenol-d6	6.522	99	736820	73.690	ng	0.02
23) Nitrobenzene-d5	7.434	82	464999	55.249	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	132346	69.759	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	789636	66.535	ng	0.00
79) Terphenyl-d14	12.992	244	690328	64.366	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	219332	15.562	ng	98
72) Anthracene	11.480	178	62399m	4.517	ng	
75) Fluoranthene	12.621	202	553430	35.001	ng	99
78) Pyrene	12.851	202	520351	32.677	ng	98
81) Benzo(a)anthracene	14.039	228	198362m	16.212	ng	
83) Chrysene	14.074	228	201118	18.016	ng	97
84) Bis(2-ethylhexyl)phtha...	14.021	149	23502	2.878	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.045	276	72263	7.797	ng	95
88) Benzo(b)fluoranthene	15.104	252	205168m	20.903	ng	
89) Benzo(k)fluoranthene	15.121	252	64541m	8.049	ng	
90) Benzo(a)pyrene	15.474	252	110012	14.433	ng	# 93
91) Dibenzo(a,h)anthracene	17.051	278	17108	2.233	ng	# 73
92) Benzo(g,h,i)perylene	17.498	276	68492	8.745	ng	92

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

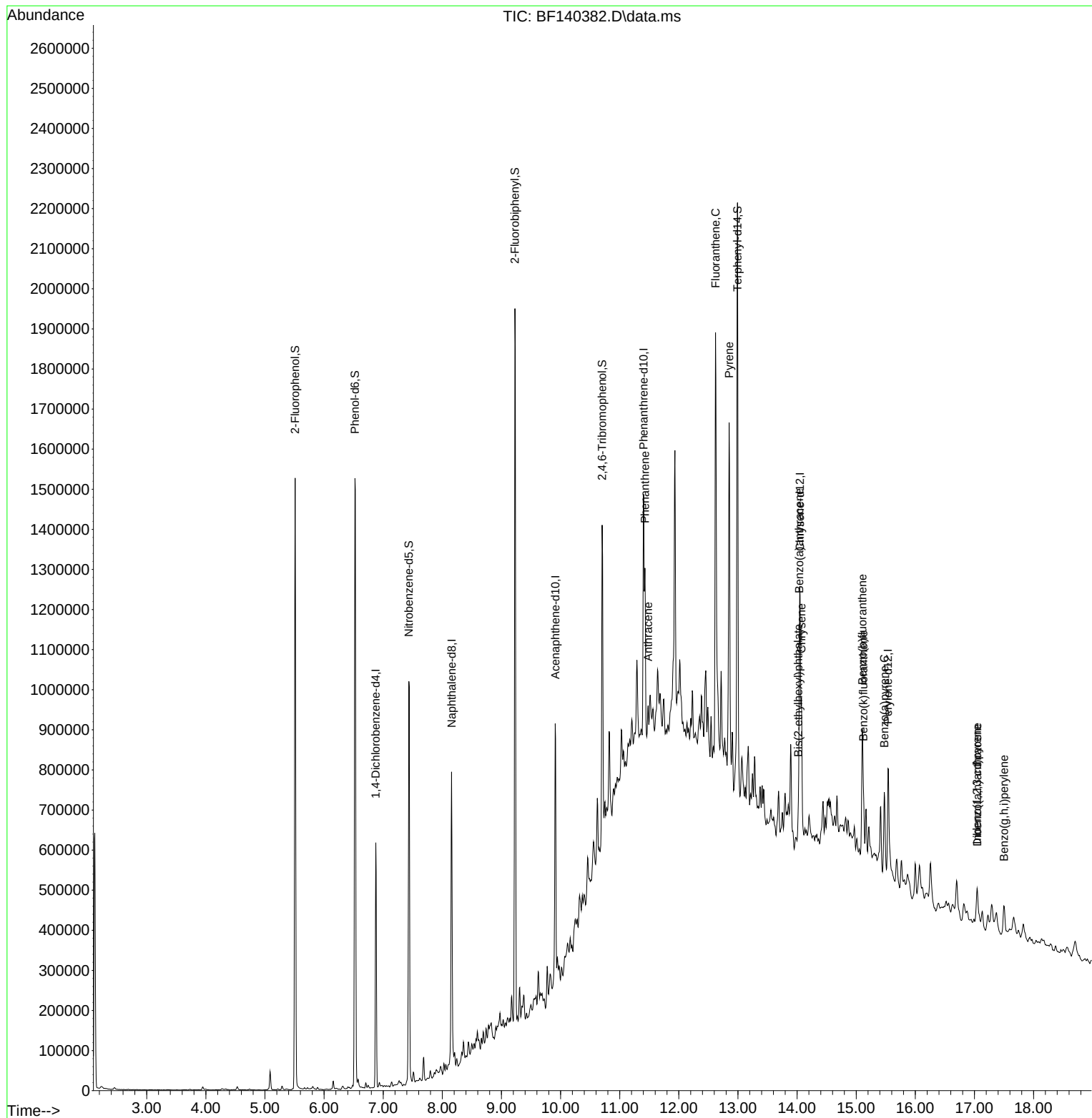
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140382.D
Acq On : 15 Nov 2024 00:05
Operator : RC/JU
Sample : P4816-01RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

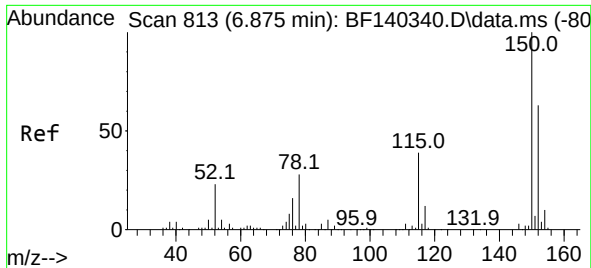
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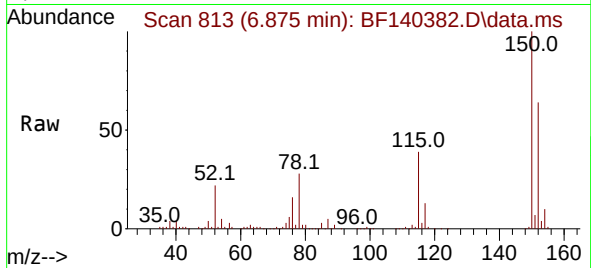
Quant Time: Nov 15 02:37:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

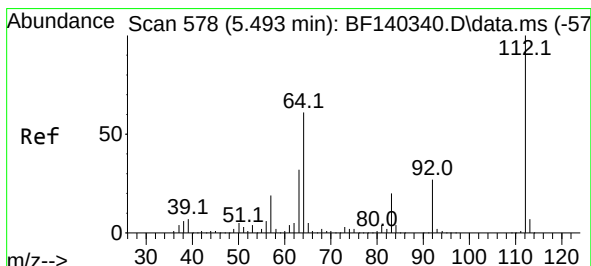
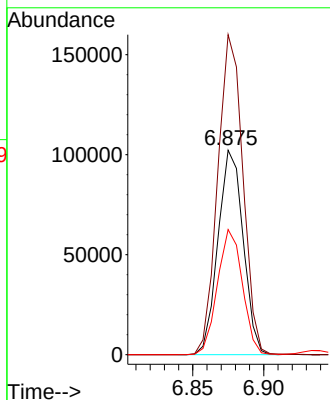
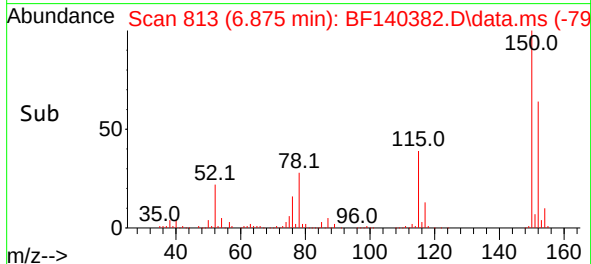
Instrument :
BNA_F
ClientSampleId :
331RE



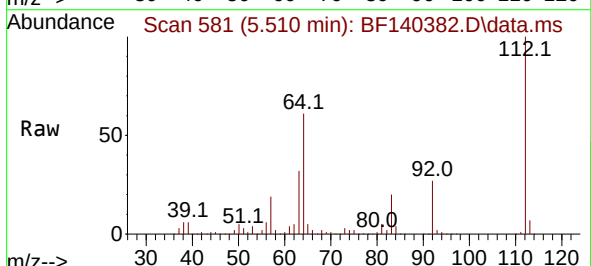
Tgt Ion:152 Resp: 126000
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 61.2 47.4 71.2

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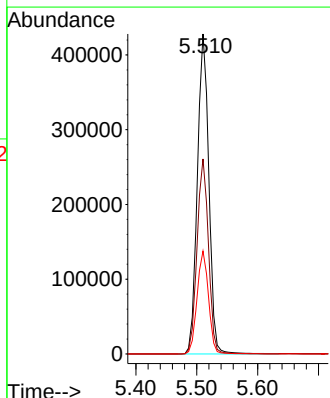
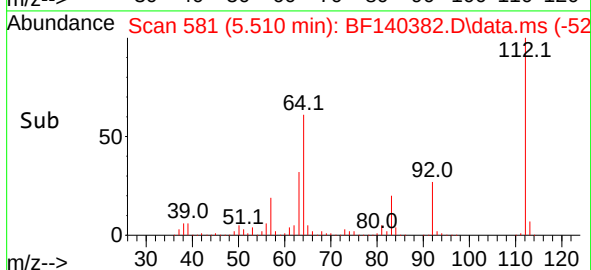
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

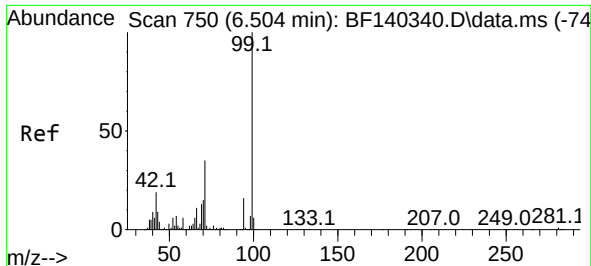


#5
2-Fluorophenol
Concen: 76.158 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05



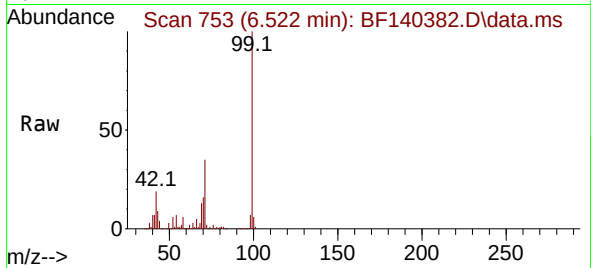
Tgt Ion:112 Resp: 562060
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 32.2 25.6 38.4





#7
Phenol-d6
Concen: 73.690 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

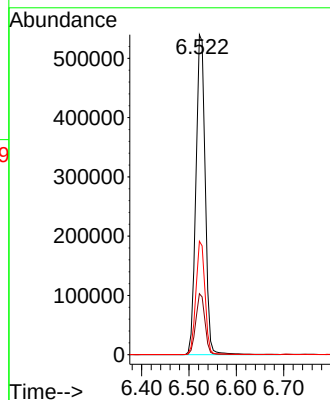
Instrument :
BNA_F
ClientSampleId :
331RE



Tgt Ion: 99 Resp: 736820
Ion Ratio Lower Upper
99 100
42 19.1 15.1 22.7
71 35.5 27.9 41.9

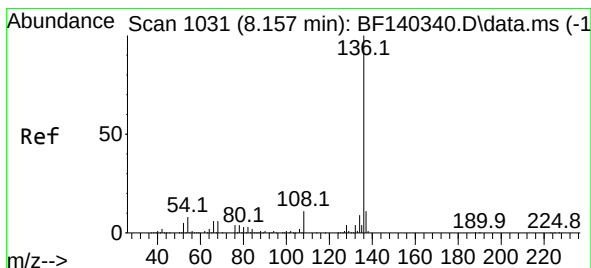
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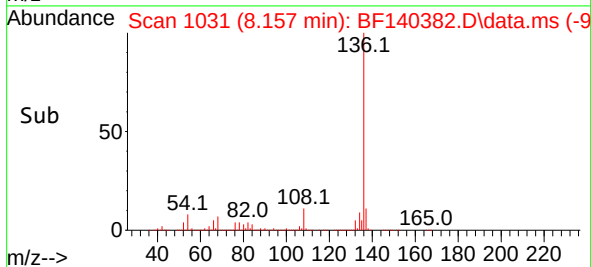
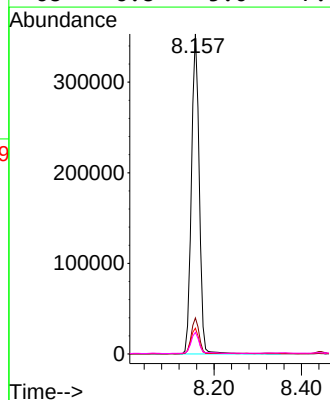
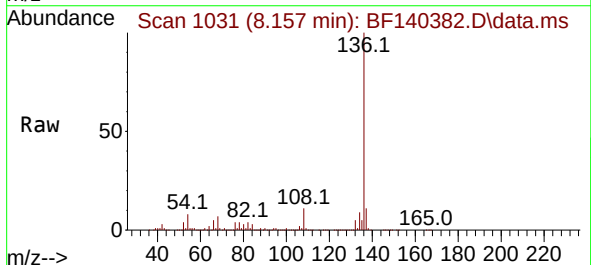
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ahmed

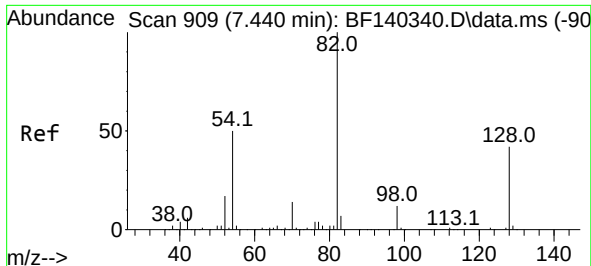
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

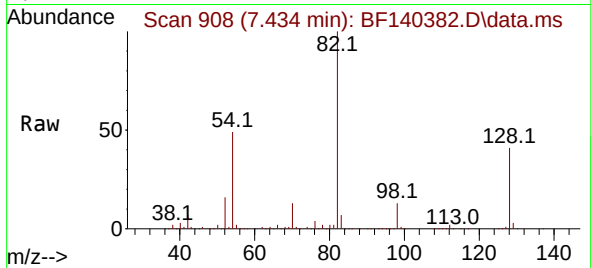
Tgt Ion:136 Resp: 438522
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.0 6.5 9.7
68 6.8 5.0 7.6





#23
Nitrobenzene-d5
Concen: 55.249 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

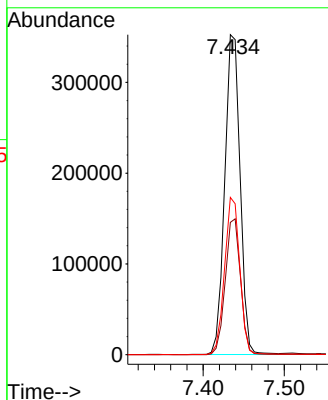
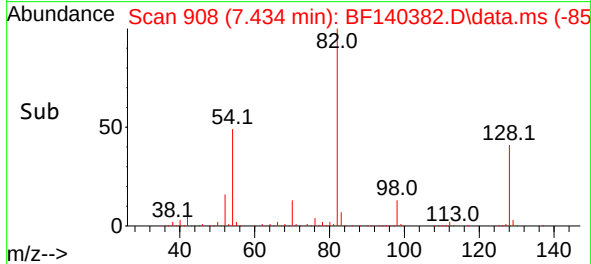
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Tgt Ion: 82 Resp: 464999
Ion Ratio Lower Upper
82 100
128 41.3 33.3 49.9
54 49.2 39.8 59.8

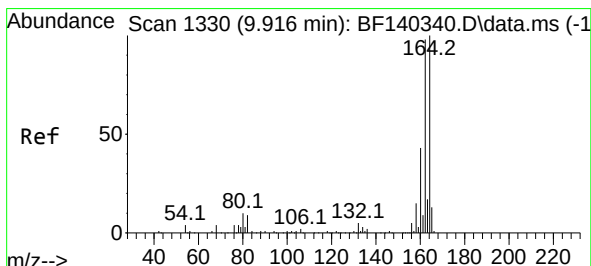
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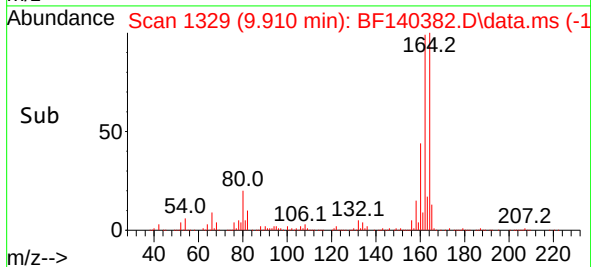
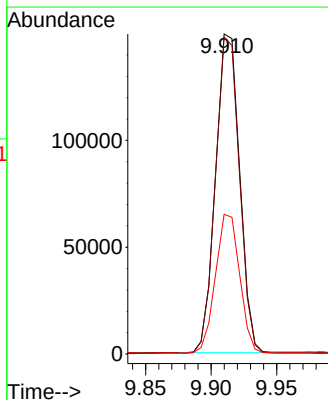
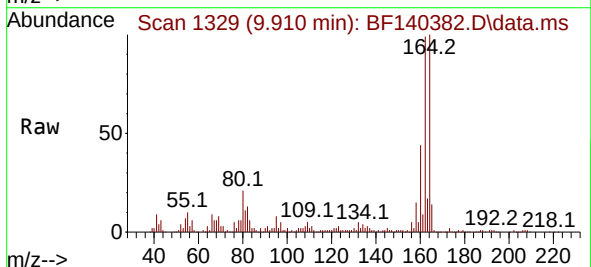
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ahmed

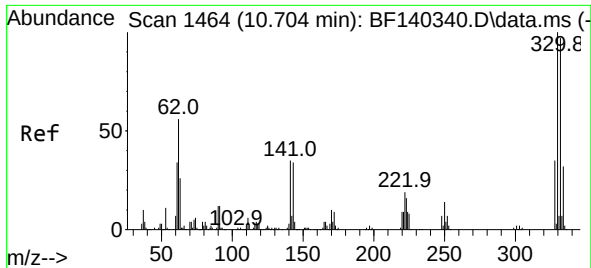
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:164 Resp: 190782
Ion Ratio Lower Upper
164 100
162 98.9 79.8 119.8
160 43.6 35.4 53.0





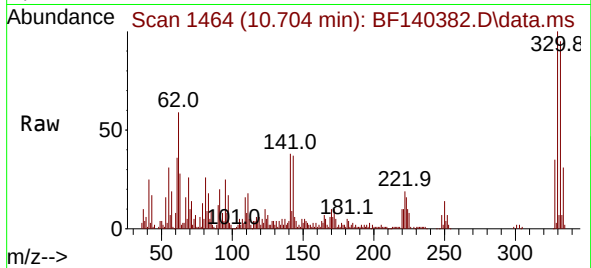
#42
2,4,6-Tribromophenol
Concen: 69.759 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

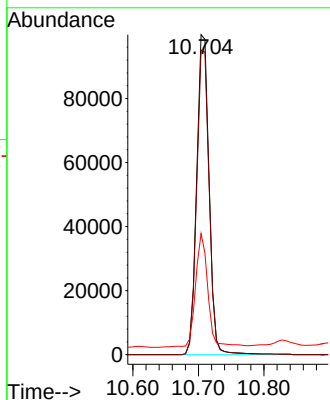
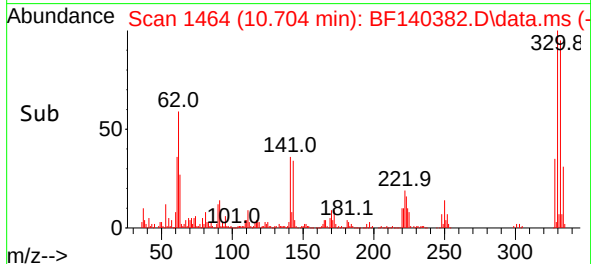


Tgt Ion:330 Resp: 132340
Ion Ratio Lower Upper
330 100
332 95.5 75.9 113.9
141 35.6 26.9 40.3

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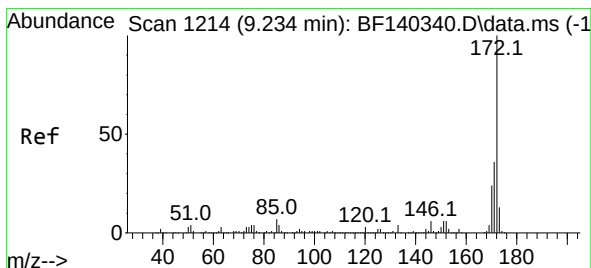
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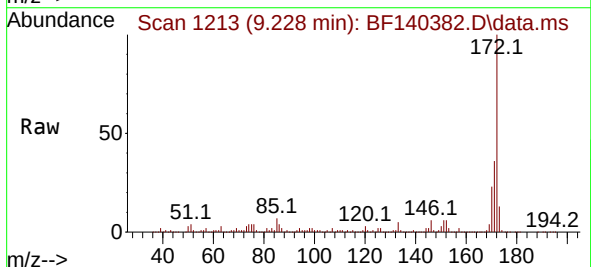


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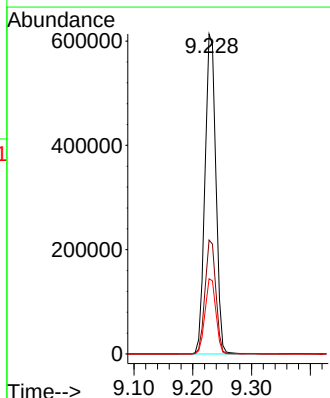
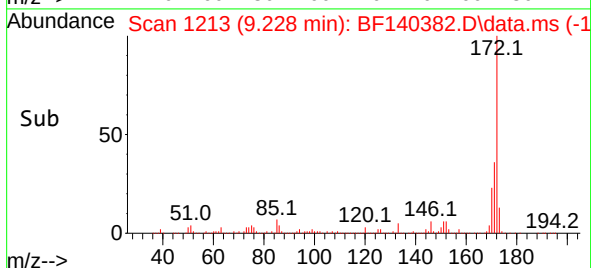
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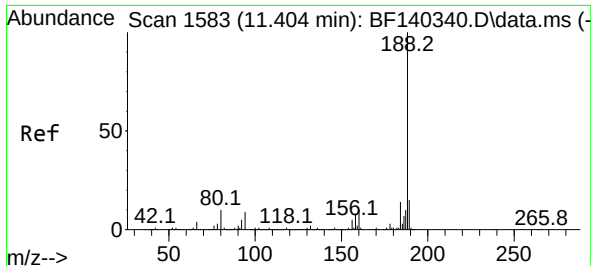


#45
2-Fluorobiphenyl
Concen: 66.535 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05



Tgt Ion:172 Resp: 789636
Ion Ratio Lower Upper
172 100
171 35.6 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: BF140382.D
Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

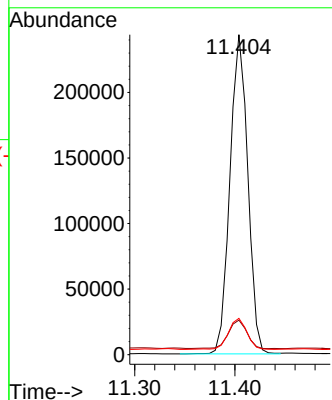
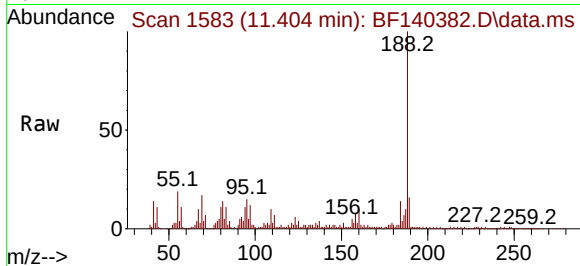
ClientSampleId :

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Tgt Ion:188 Resp: 300024
Ion Ratio Lower Upper
188 100
94 10.8 7.6 11.4
80 11.3 8.0 12.0

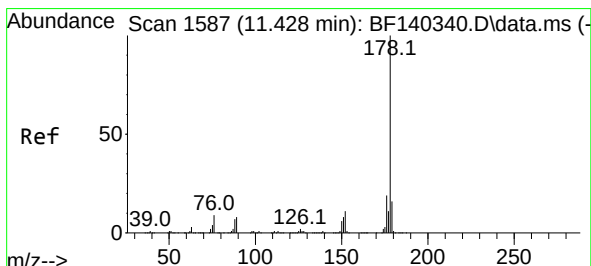
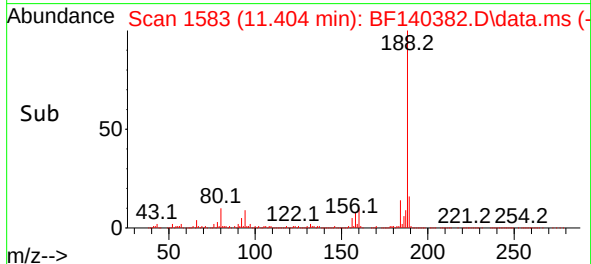
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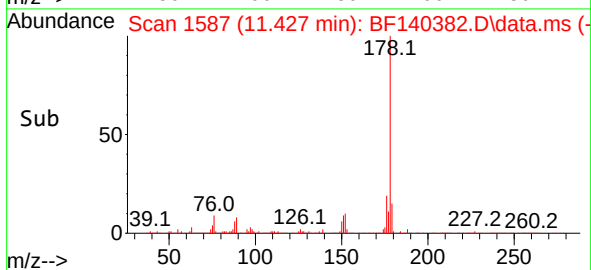
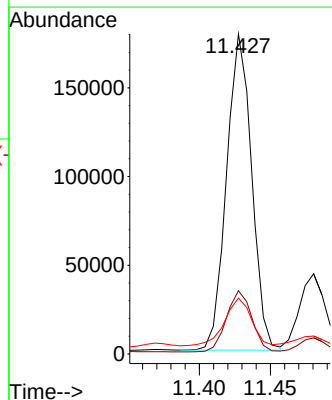
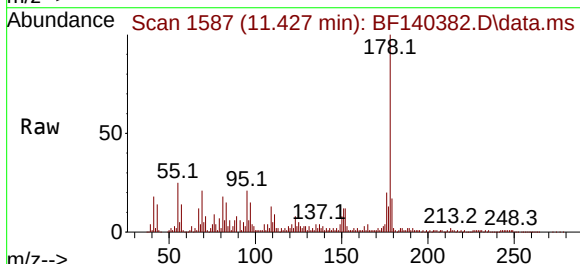
11/15/2024
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ahmed

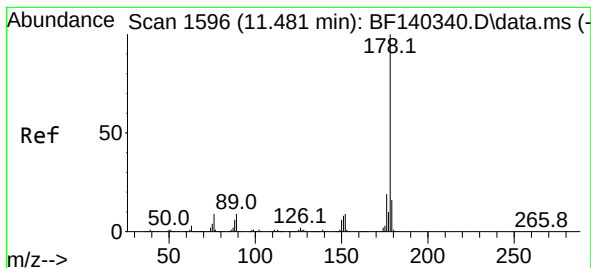
11/15/2024



#71
Phenanthrene
Concen: 15.562 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

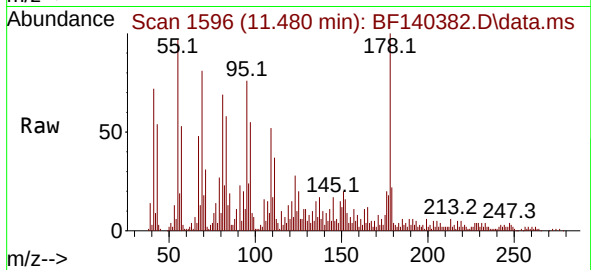
Tgt Ion:178 Resp: 219332
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 17.5 12.4 18.6





#72
 Anthracene
 Concen: 4.517 ng m
 RT: 11.480 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF140382.D
 Acq: 15 Nov 2024 00:05

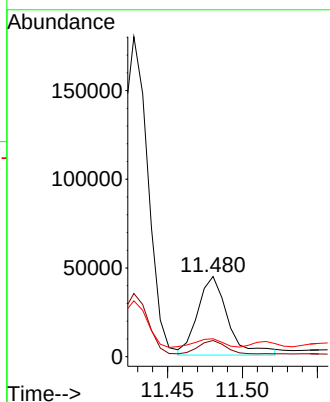
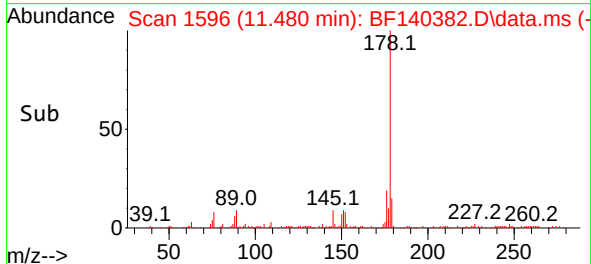
Instrument :
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Tgt Ion:178 Resp: 62395
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.0
 179 22.3 12.6 18.8

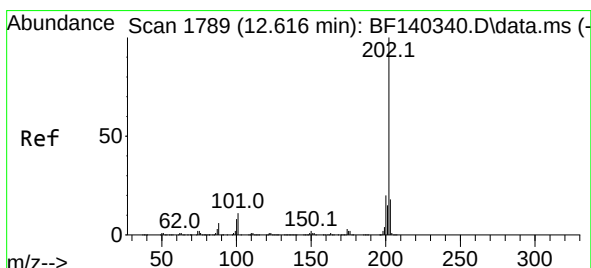
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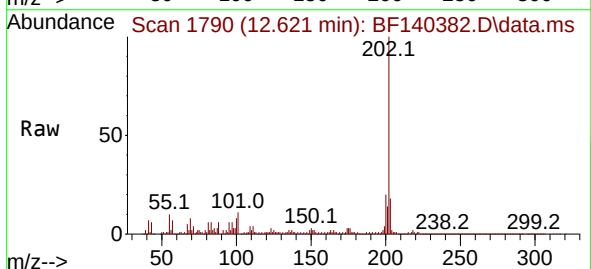


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 ahmed

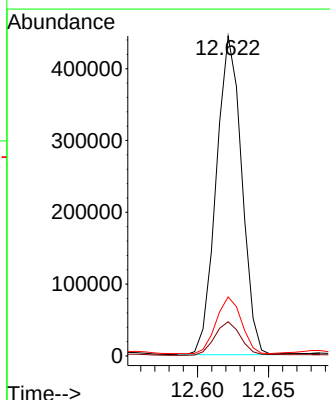
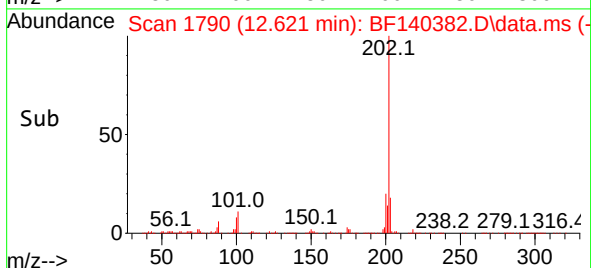
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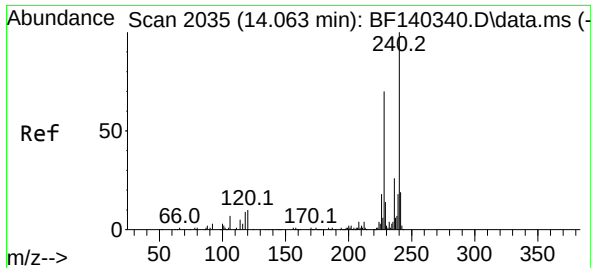


#75
 Fluoranthene
 Concen: 35.001 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF140382.D
 Acq: 15 Nov 2024 00:05



Tgt Ion:202 Resp: 553430
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.7
 203 18.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

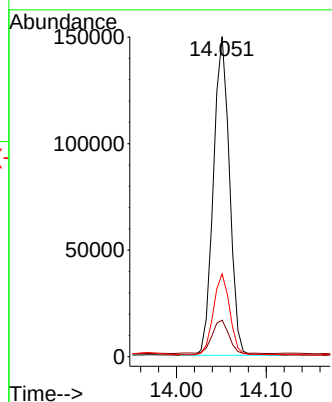
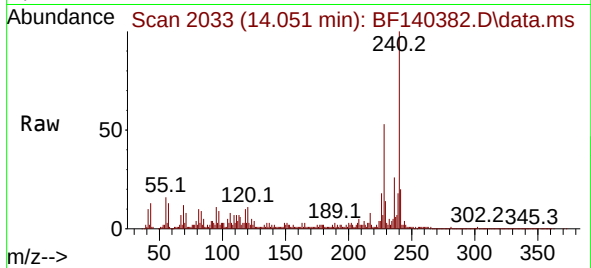
ClientSampleId :

331RE

Tgt Ion:240 Resp: 18616
Ion Ratio Lower Upper
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120 11.4 8.8 13.2
236 25.8 20.9 31.3

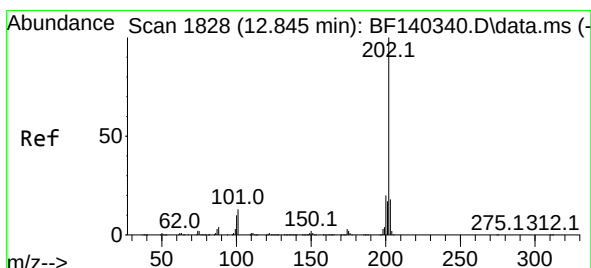
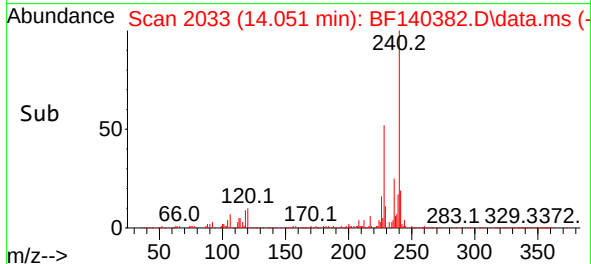
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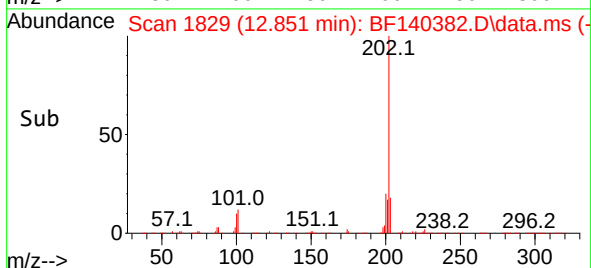
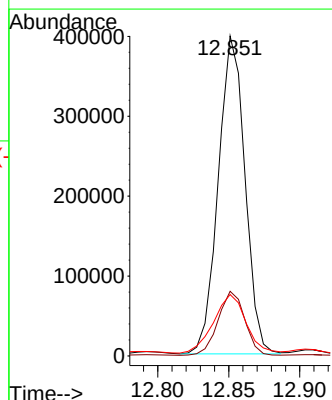
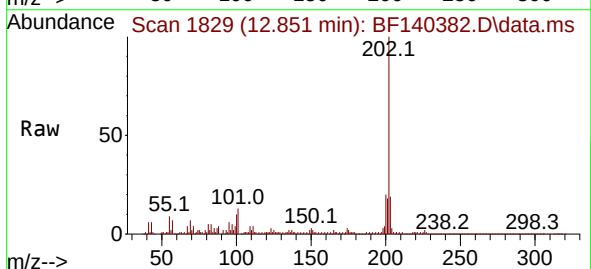
11/15/2024
Supervised By :mohammad
ahmed

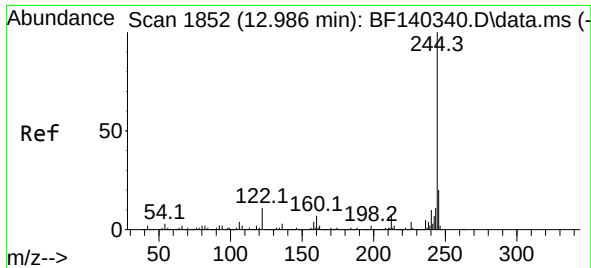
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#78
Pyrene
Concen: 32.677 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:202 Resp: 520351
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 19.2 14.2 21.4





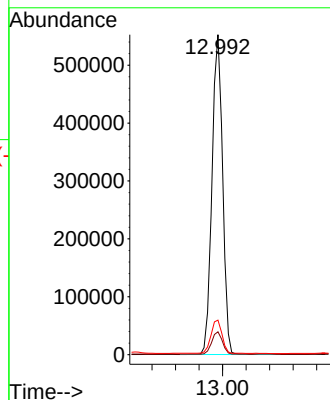
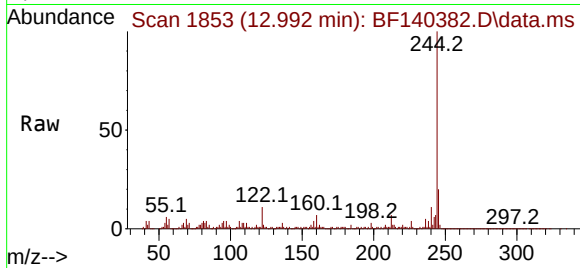
#79
 Terphenyl-d14
 Concen: 64.366 ng
 RT: 12.992 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF140382.D
 Acq: 15 Nov 2024 00:05

Instrument :
 BNA_F
 ClientSampleId :
 331RE

Tgt Ion:244 Resp: 690328
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.8 8.8 13.2

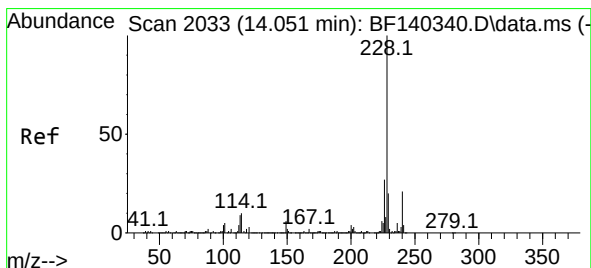
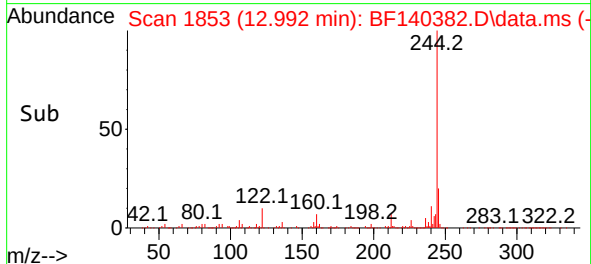
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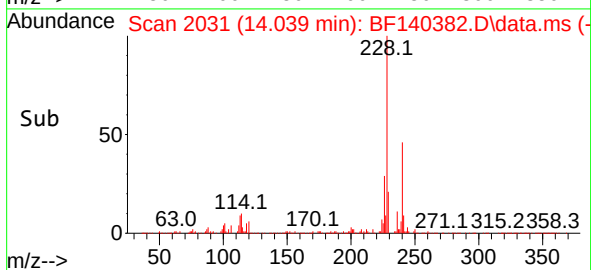
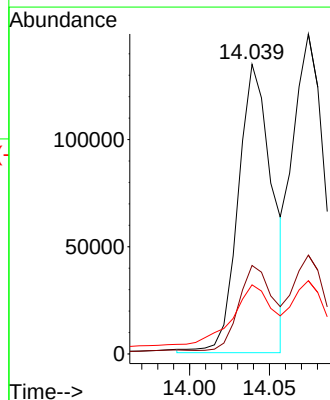
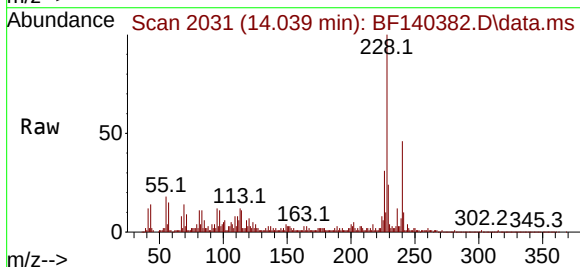
11/15/2024
 Supervised By :mohammad
 ahmed

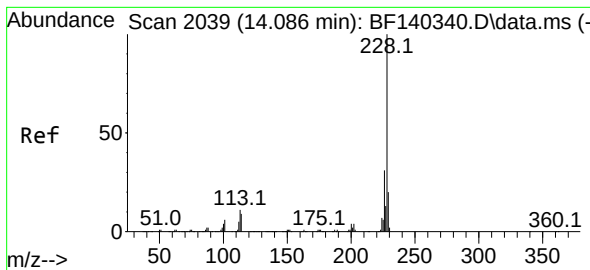
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#81
 Benzo(a)anthracene
 Concen: 16.212 ng m
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF140382.D
 Acq: 15 Nov 2024 00:05

Tgt Ion:228 Resp: 198362
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.2 33.4
 229 23.9 15.8 23.6#





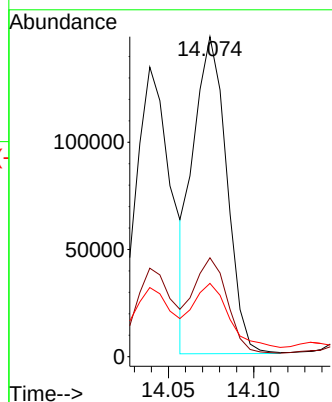
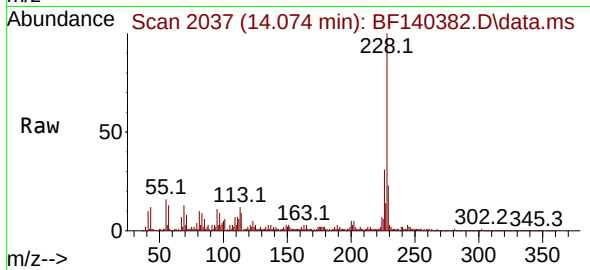
#83
Chrysene
Concen: 18.016 ng
RT: 14.074 min Scan# 201118
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Instrument :
BNA_F
ClientSampleId :
331RE

Tgt Ion:228 Resp: 201118
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 22.9 16.0 24.0

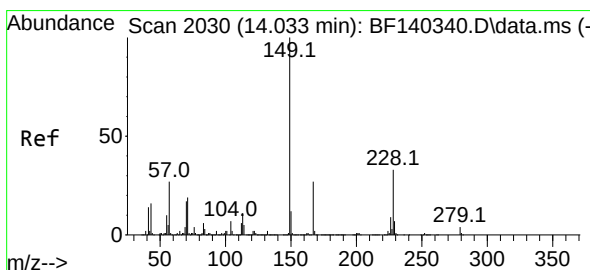
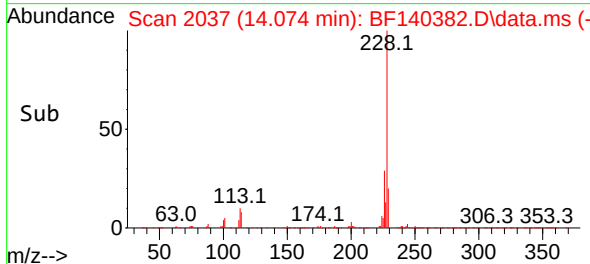
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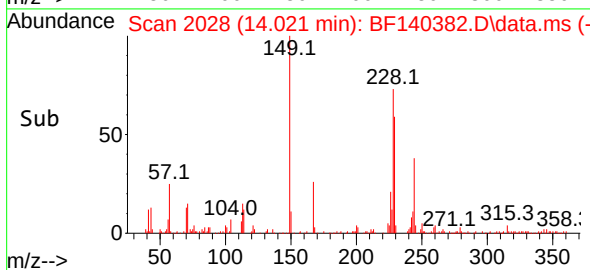
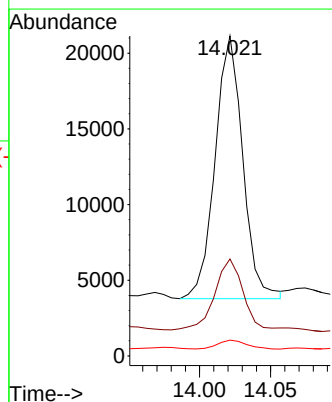
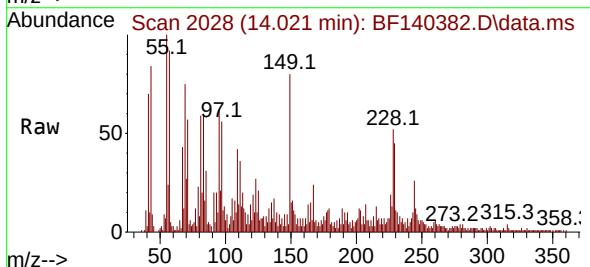
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Supervised By :mohammad
ahmed

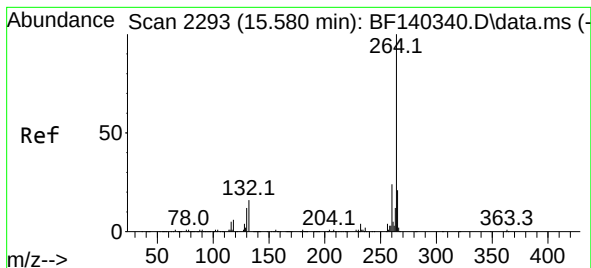
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.878 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:149 Resp: 23502
Ion Ratio Lower Upper
149 100
167 30.3 21.4 32.0
279 4.9 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

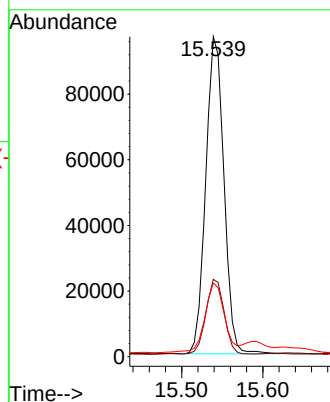
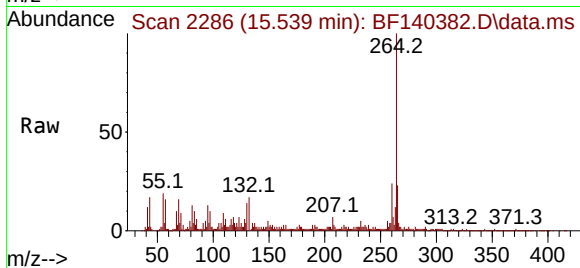
ClientSampleId :

331RE

Tgt Ion:	264	Resp:	15004
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	23.0	17.1	25.7

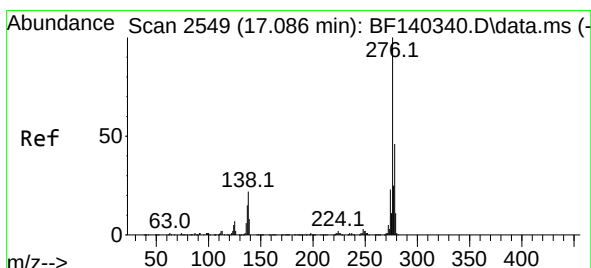
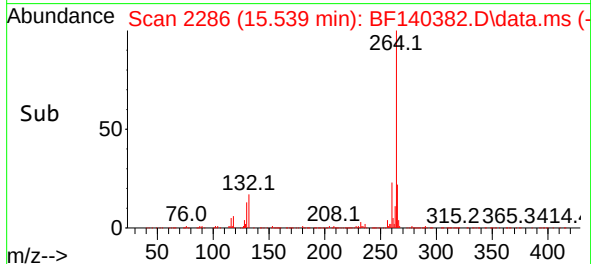
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ahmed

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#87

Indeno(1,2,3-cd)pyrene

Concen: 7.797 ng

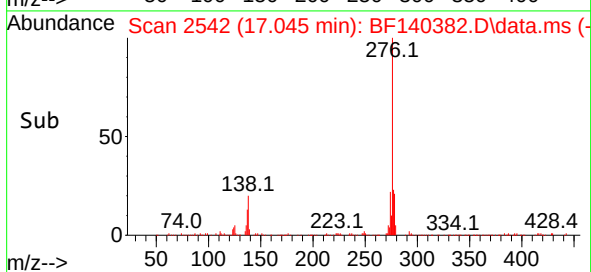
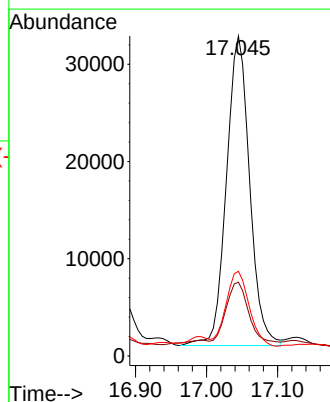
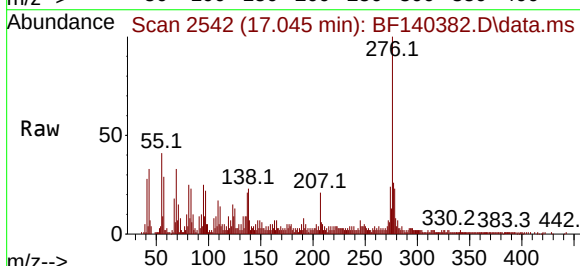
RT: 17.045 min Scan# 2542

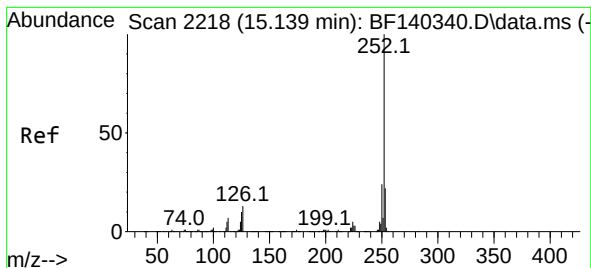
Delta R.T. -0.012 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Tgt Ion:	276	Resp:	72263
Ion Ratio	Lower	Upper	
276	100		
138	19.4	18.8	28.2
277	24.4	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 20.903 ng m

RT: 15.104 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

Tgt Ion:252 Resp: 20516

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

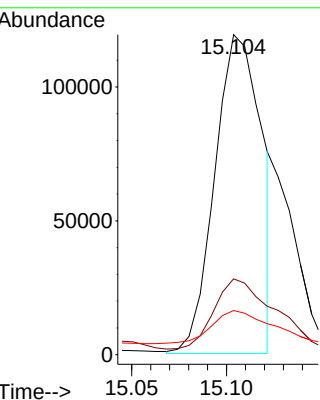
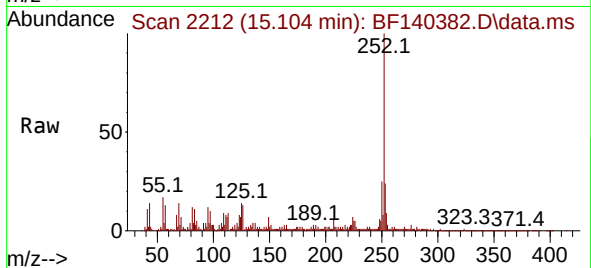
125 13.8 8.0 12.0

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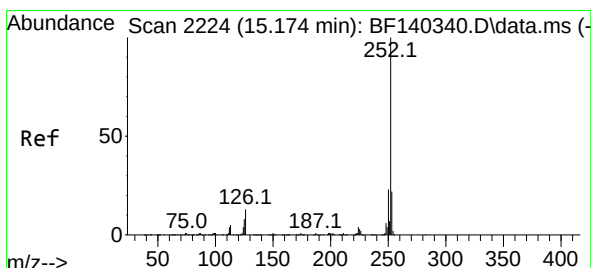
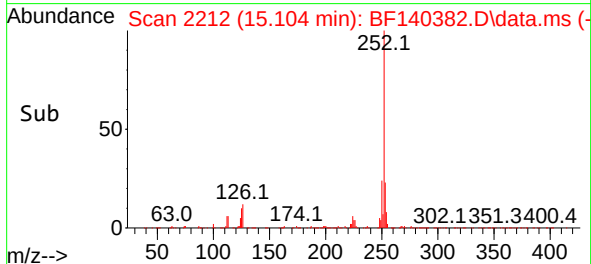
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#89

Benzo(k)fluoranthene

Concen: 8.049 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.029 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

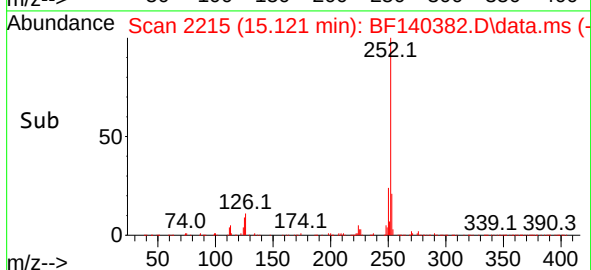
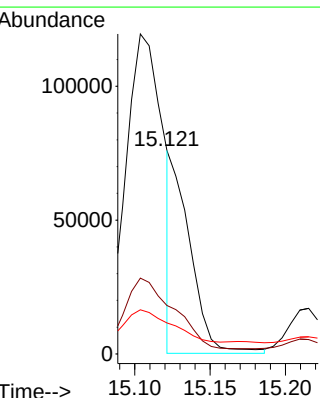
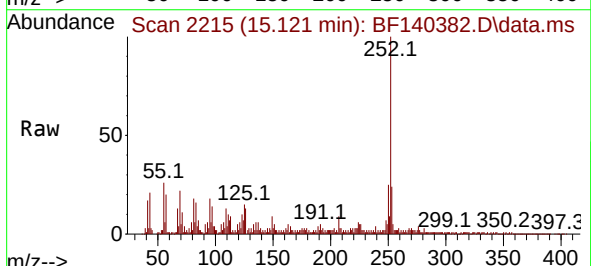
Tgt Ion:252 Resp: 64541

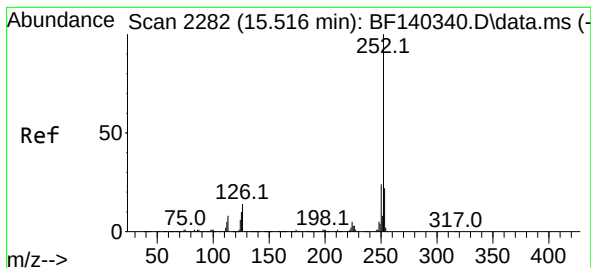
Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 15.3 7.4 11.2





#90

Benzo(a)pyrene

Concen: 14.433 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

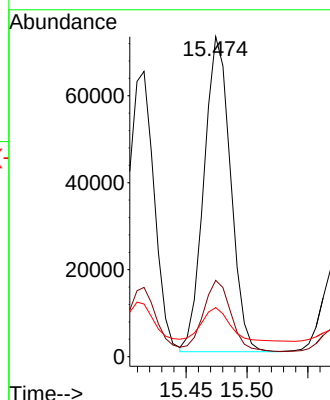
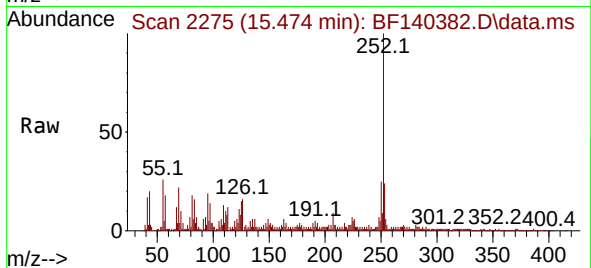
ClientSampleId :

331RE

Tgt Ion:	252	Resp:	11001
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	15.4	8.4	12.6

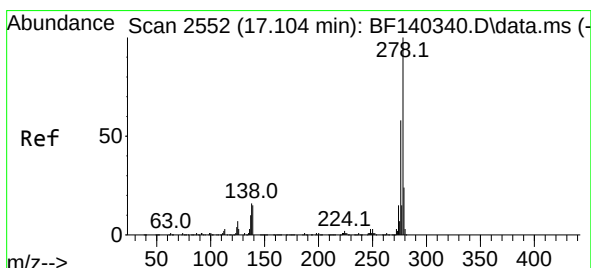
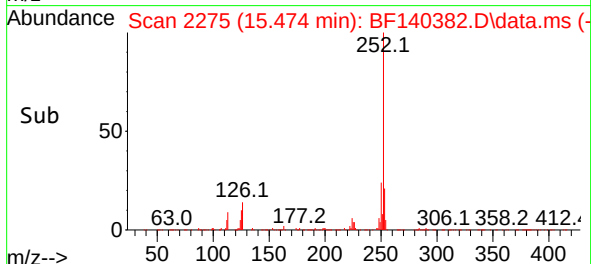
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#91

Dibenzo(a,h)anthracene

Concen: 2.233 ng

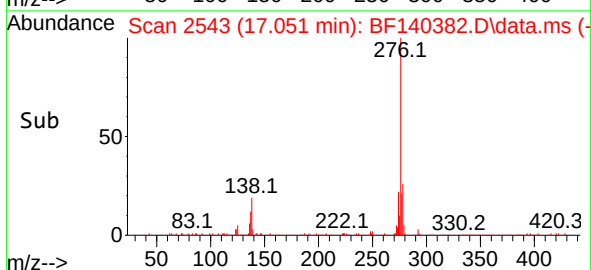
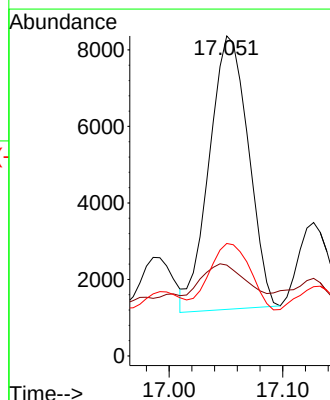
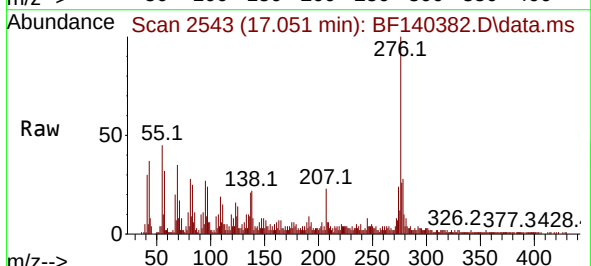
RT: 17.051 min Scan# 2543

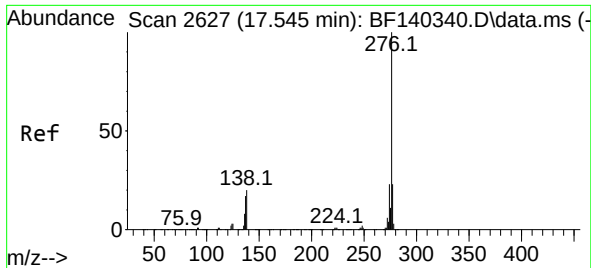
Delta R.T. -0.024 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

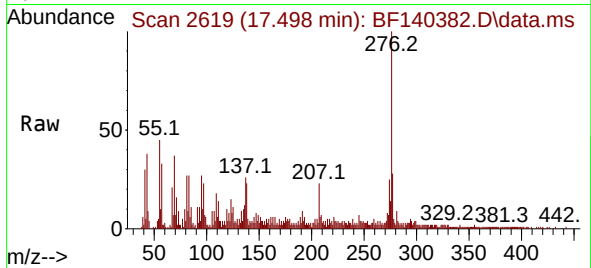
Tgt Ion:	278	Resp:	17108
Ion Ratio	Lower	Upper	
278	100		
139	28.4	11.8	17.8#
279	35.2	18.9	28.3#





#92
Benzo(g,h,i)perylene
Concen: 8.745 ng
RT: 17.498 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

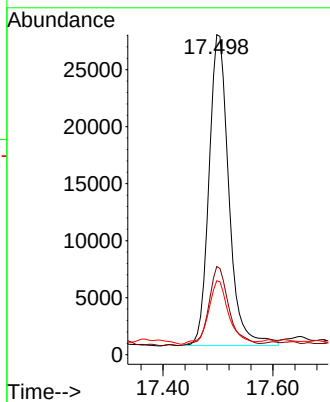
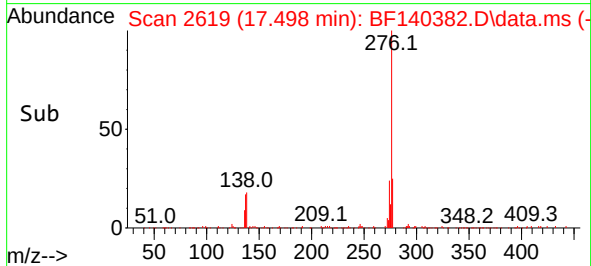
Instrument :
BNA_F
ClientSampleId :
331RE



Tgt Ion:276 Resp: 68492
Ion Ratio Lower Upper
276 100
277 27.5 18.6 28.0
138 23.1 16.0 24.0

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ahmed

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