

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122324\
 Data File : BF140967.D
 Acq On : 23 Dec 2024 15:27
 Operator : RC/JU
 Sample : P5342-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT26634DL

Quant Time: Dec 23 16:00:33 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	53801	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	201317	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	105480	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	139132	20.000	ng	# 0.02
76) Chrysene-d12	14.045	240	104862	20.000	ng	0.01
86) Perylene-d12	15.562	264	120229	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	51515	15.762	ng	0.02
7) Phenol-d6	6.516	99	67364	15.562	ng	0.02
23) Nitrobenzene-d5	7.416	82	41915	10.417	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	14662	11.753	ng	0.02
45) 2-Fluorobiphenyl	9.204	172	83798	10.922	ng	0.00
79) Terphenyl-d14	12.969	244	56789	8.540	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.151	128	25441	2.301	ng	98
37) 2-Methylnaphthalene	8.845	142	30477	4.166	ng	97
38) 1-Methylnaphthalene	8.945	142	16922	2.339	ng	95
52) Acenaphthene	9.922	154	31612	5.248	ng	# 86
55) Dibenzofuran	10.098	168	40379	4.326	ng	# 75
58) Fluorene	10.445	166	36279	4.711	ng	# 70
71) Phenanthrene	11.422	178	159422	22.282	ng	# 85
75) Fluoranthene	12.616	202	154887	18.797	ng	94
78) Pyrene	12.845	202	147070m	15.772	ng	
81) Benzo(a)anthracene	14.033	228	57913	7.792	ng	96
83) Chrysene	14.074	228	65335	9.668	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	23505	3.133	ng	96
88) Benzo(b)fluoranthene	15.133	252	94528m	11.327	ng	
89) Benzo(k)fluoranthene	15.151	252	22897m	3.198	ng	
90) Benzo(a)pyrene	15.504	252	41488	6.349	ng	98
92) Benzo(g,h,i)perylene	17.562	276	19591	3.097	ng	98

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

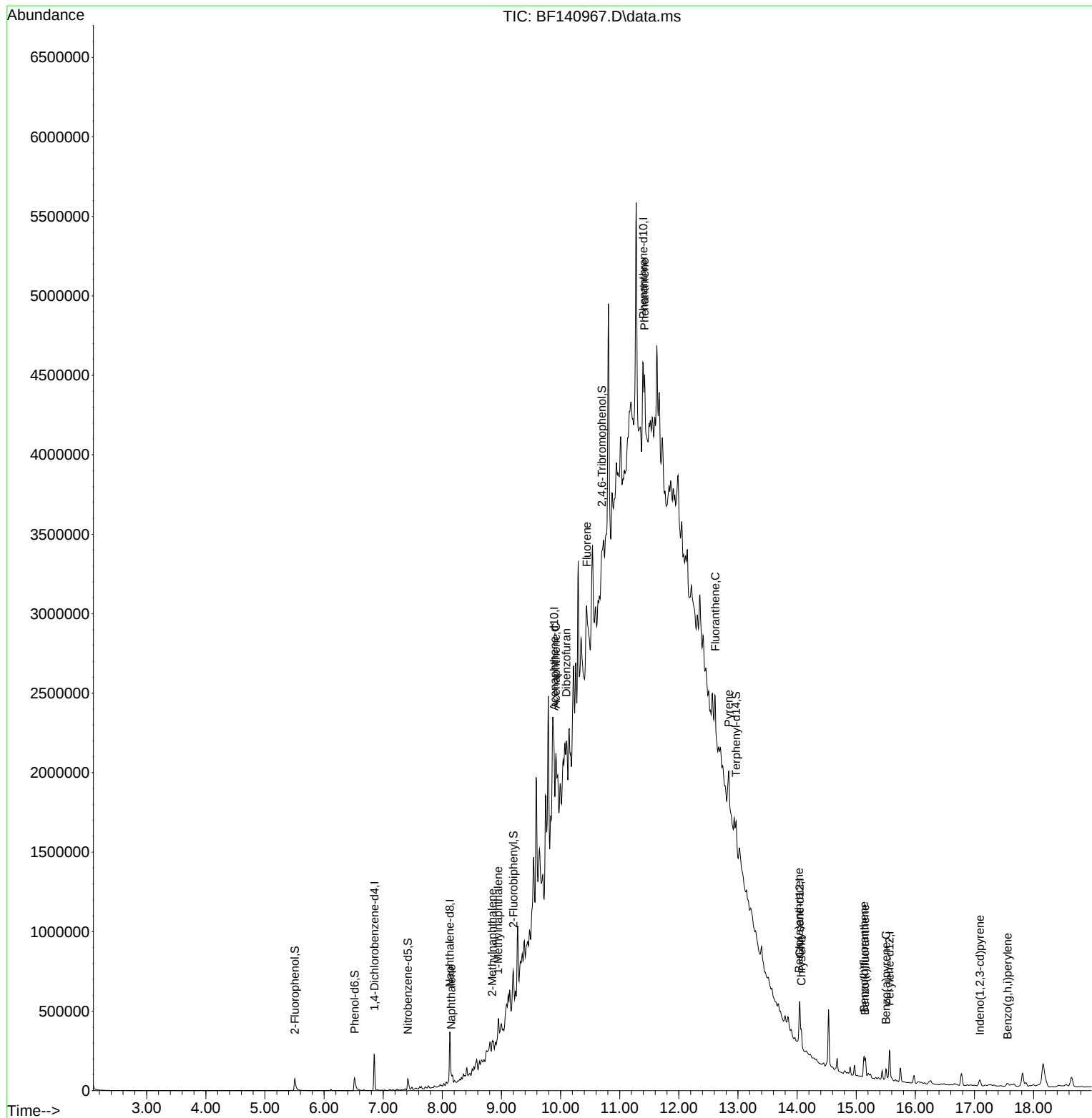
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122324\
Data File : BF140967.D
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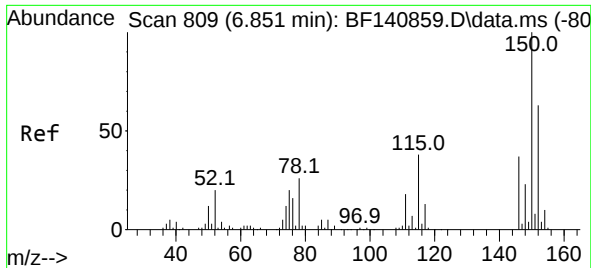
Instrument :
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Quant Time: Dec 23 16:00:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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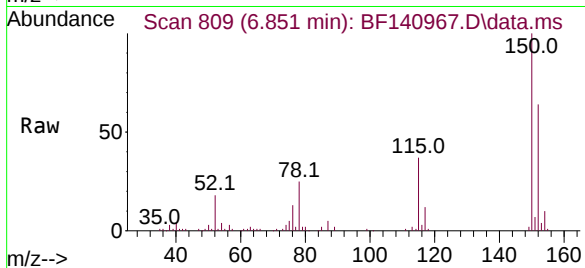
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

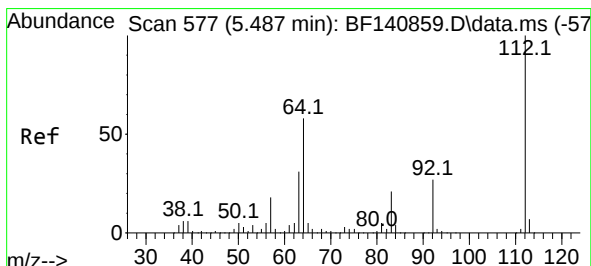
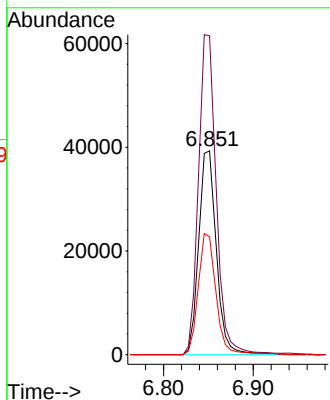
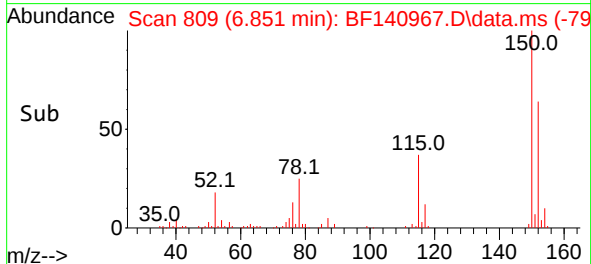
Instrument :
BNA_F
ClientSampleId :
CHRT26634DL



Tgt Ion:152 Resp: 5380
Ion Ratio Lower Upper
152 100
150 156.5 127.9 191.9
115 57.9 48.0 72.0

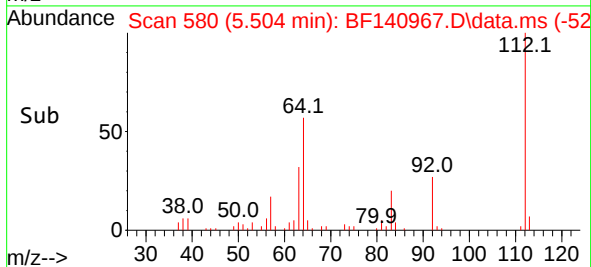
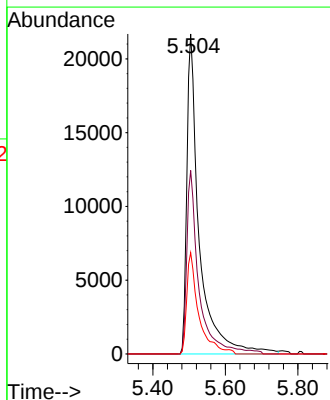
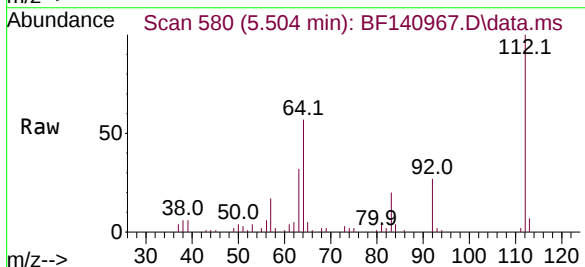
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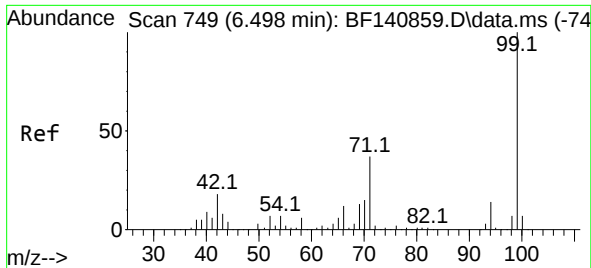
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



#5
2-Fluorophenol
Concen: 15.762 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Tgt Ion:112 Resp: 51515
Ion Ratio Lower Upper
112 100
64 57.4 46.1 69.1
63 31.7 24.9 37.3





#7

Phenol-d6

Concen: 15.562 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.018 min

Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL

Tgt Ion: 99 Resp: 67364

Ion Ratio Lower Upper

99 100

42 17.5 14.3 21.5

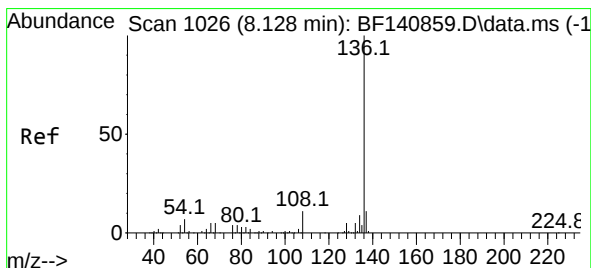
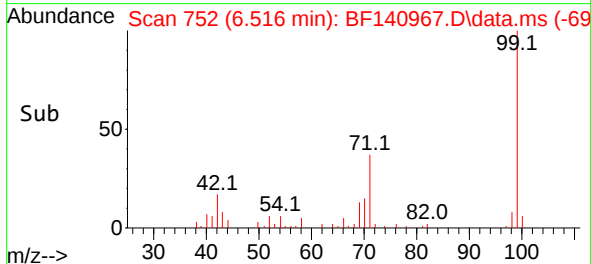
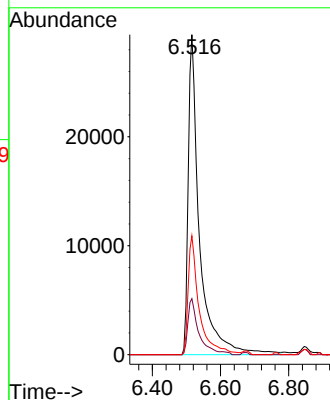
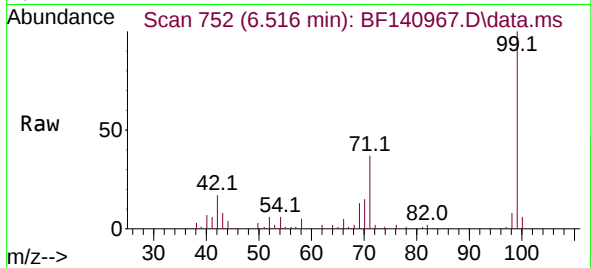
71 37.1 29.9 44.9

Manual Integrations

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Supervised By :mohammad ahmed 12/24/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Tgt Ion:136 Resp: 201317

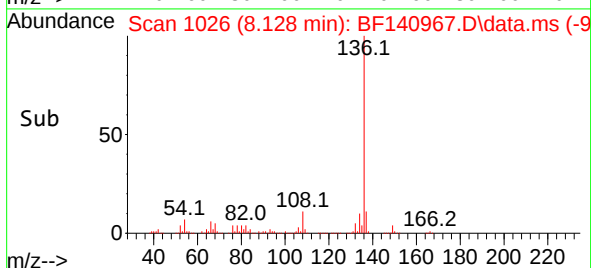
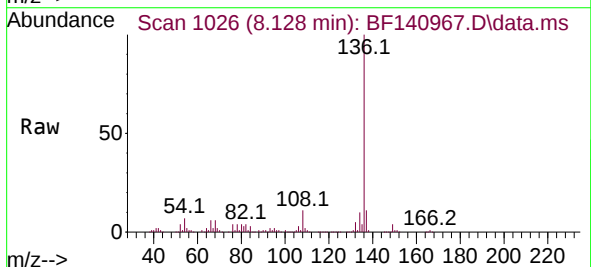
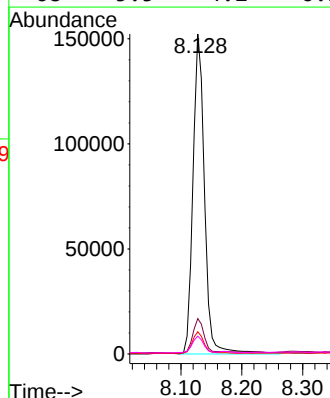
Ion Ratio Lower Upper

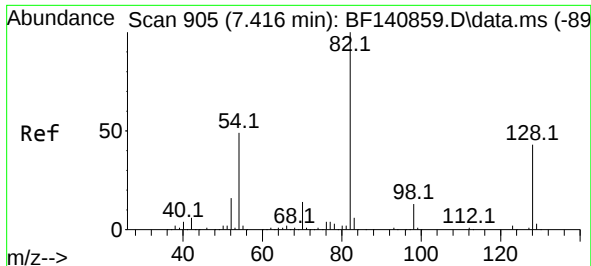
136 100

137 11.0 9.0 13.4

54 7.0 5.6 8.4

68 5.5 4.2 6.2





#23
Nitrobenzene-d5
Concen: 10.417 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

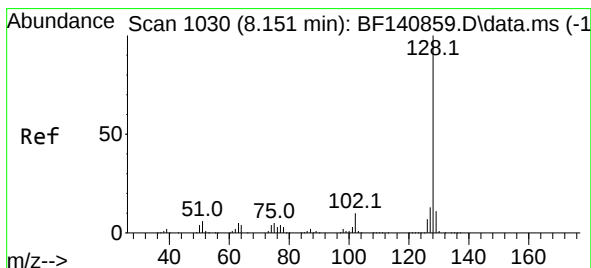
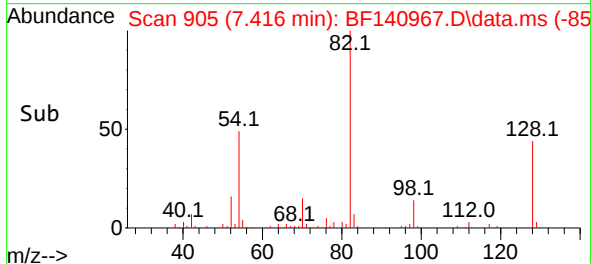
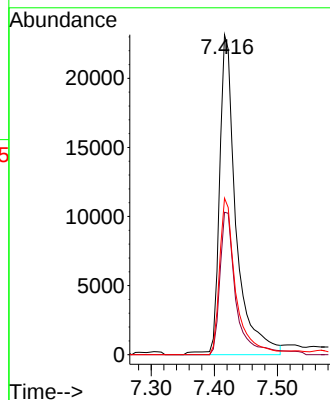
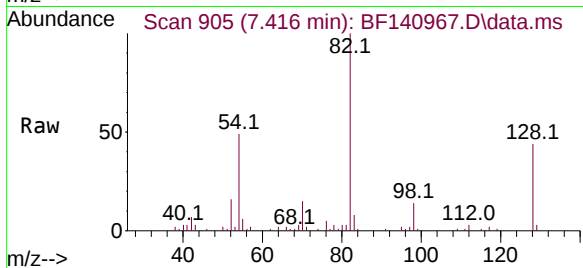
CHRT26634DL

Tgt Ion: 82 Resp: 41915
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 48.9 38.8 58.2

Manual Integrations

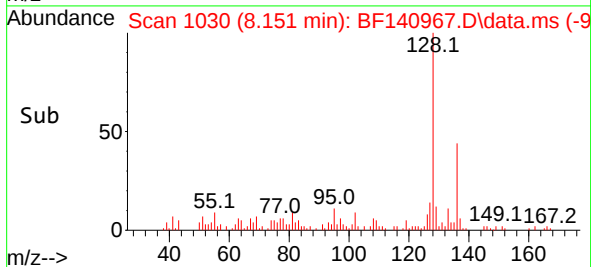
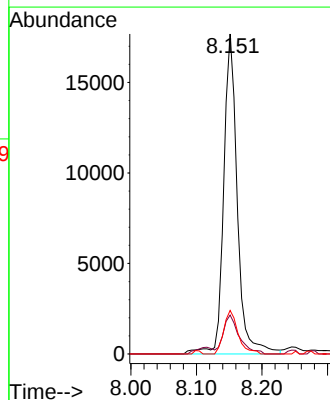
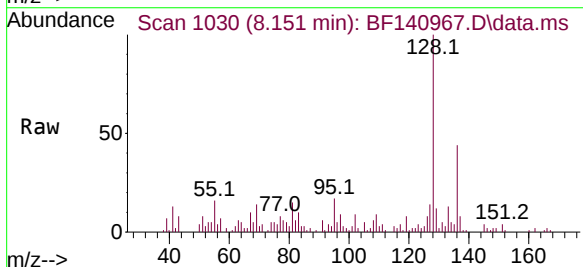
APPROVED

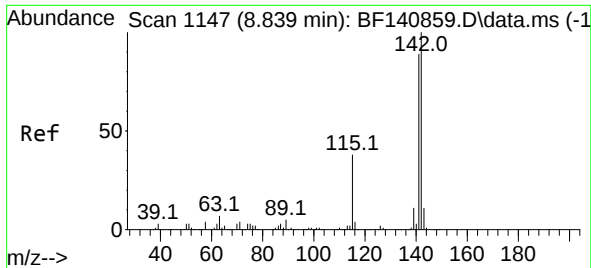
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



#31
Naphthalene
Concen: 2.301 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Tgt Ion:128 Resp: 25441
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 13.6 10.6 16.0





#37
2-Methylnaphthalene
Concen: 4.166 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

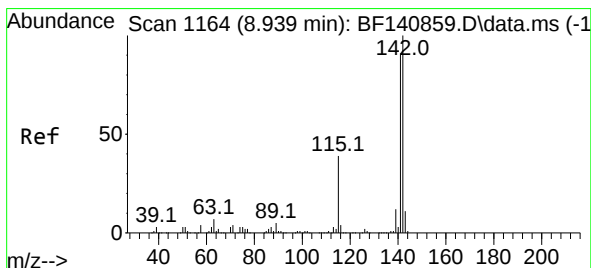
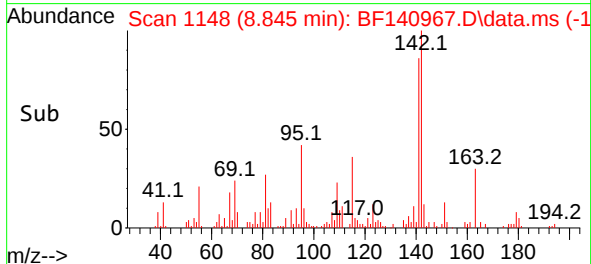
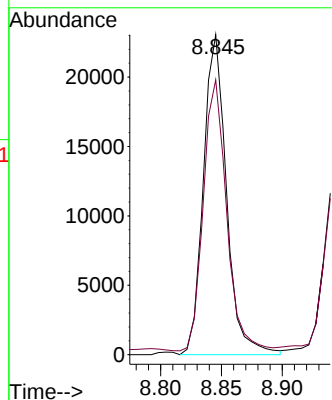
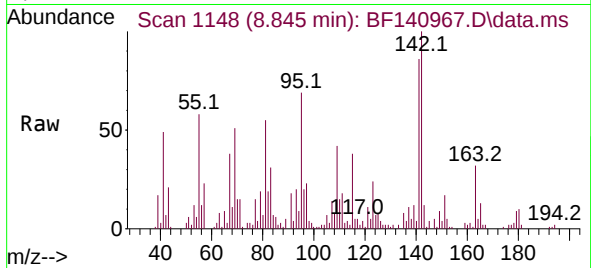
CHRT26634DL

Tgt Ion:142 Resp: 3047
Ion Ratio Lower Upper
142 100
141 85.9 71.0 106.6

Manual Integrations

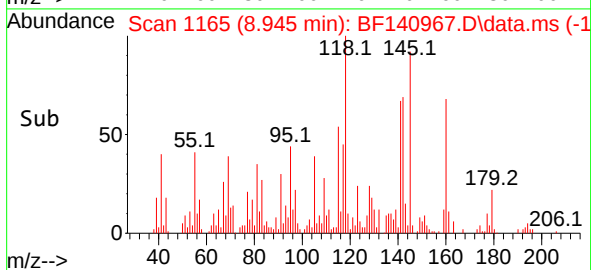
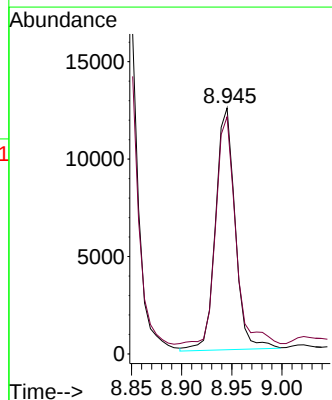
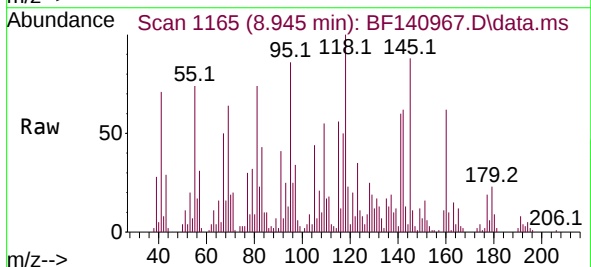
APPROVED

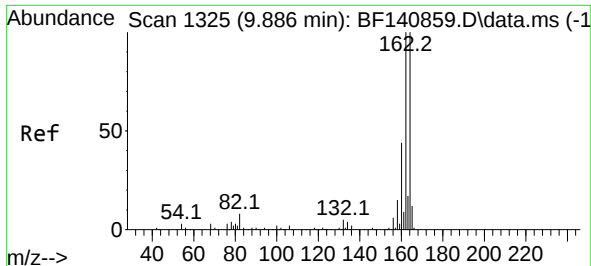
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



#38
1-Methylnaphthalene
Concen: 2.339 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Tgt Ion:142 Resp: 16922
Ion Ratio Lower Upper
142 100
141 96.4 73.4 110.0





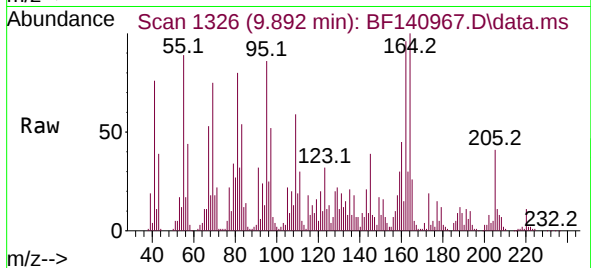
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL



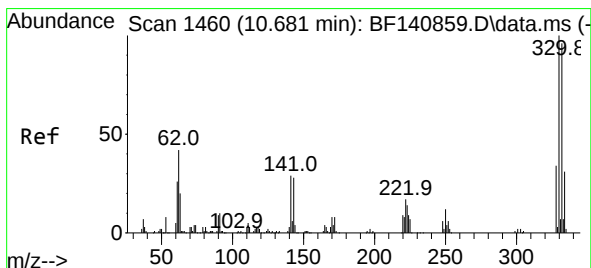
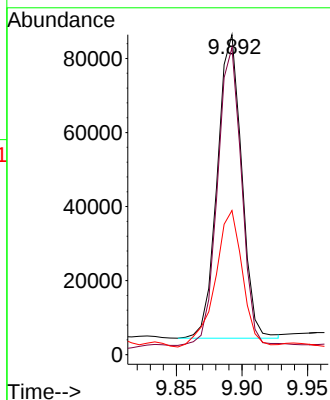
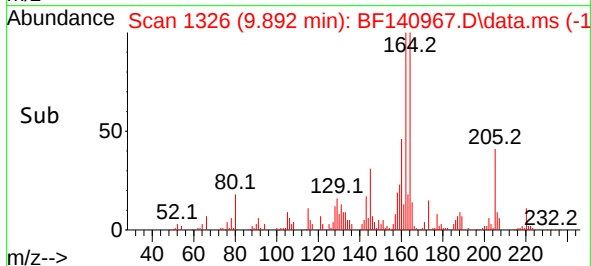
Tgt Ion:164 Resp: 105480
Ion Ratio Lower Upper
164 100
162 95.9 79.9 119.9
160 45.0 35.2 52.8

Manual Integrations

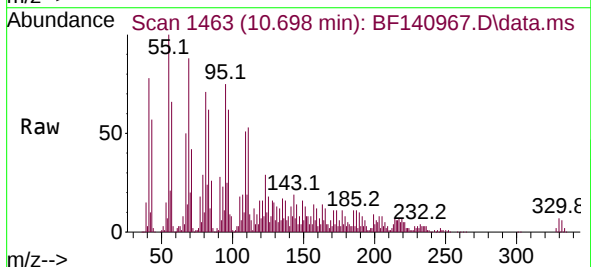
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Reviewed By :Yogesh Patel 12/24/2024

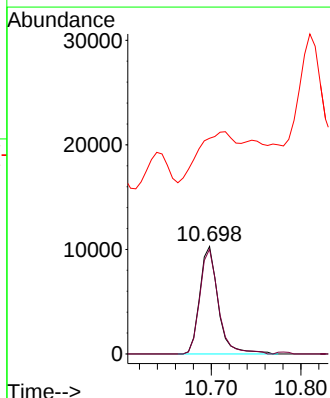
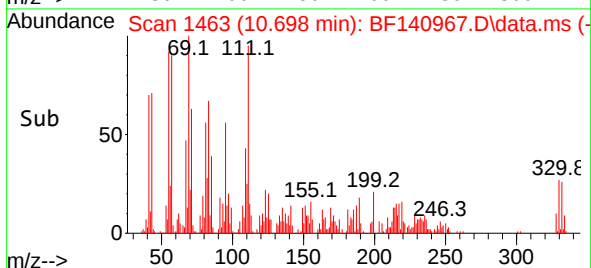
Supervised By :mohammad ahmed 12/24/2024

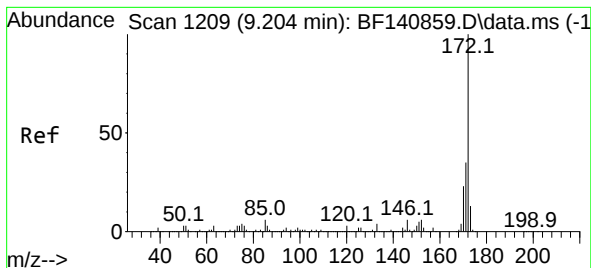


#42
2,4,6-Tribromophenol
Concen: 11.753 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.018 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27



Tgt Ion:330 Resp: 14662
Ion Ratio Lower Upper
330 100
332 98.1 76.2 114.4
141 100.0 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 10.922 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140967.D

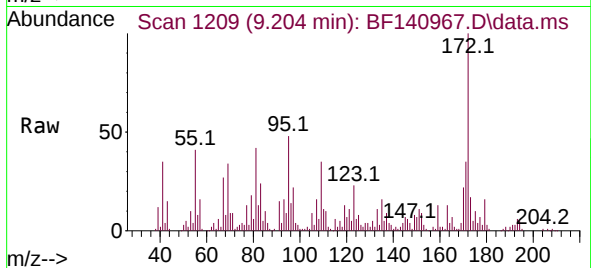
Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL



Tgt Ion:172 Resp: 83798

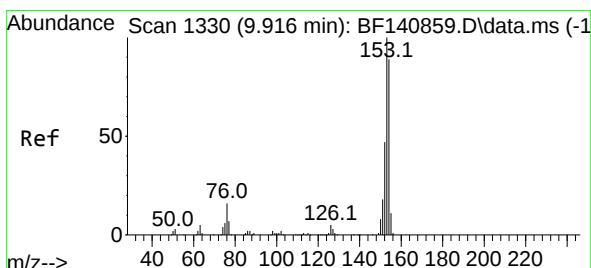
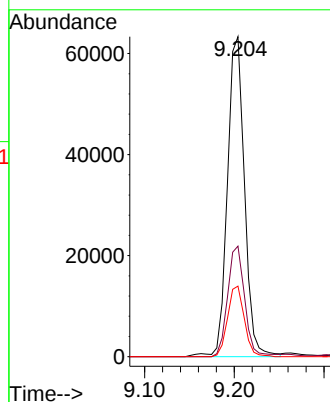
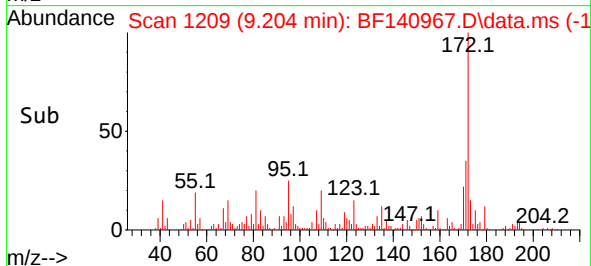
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.4	42.6
170	22.0	18.6	28.0

Manual Integrations

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Supervised By :mohammad ahmed 12/24/2024



#52

Acenaphthene

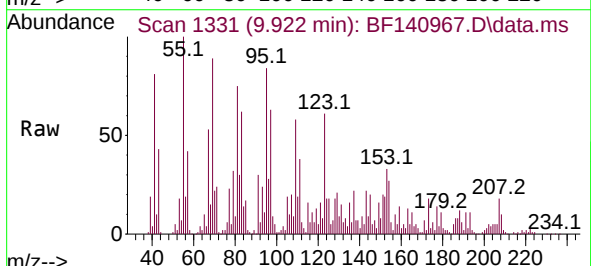
Concen: 5.248 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.006 min

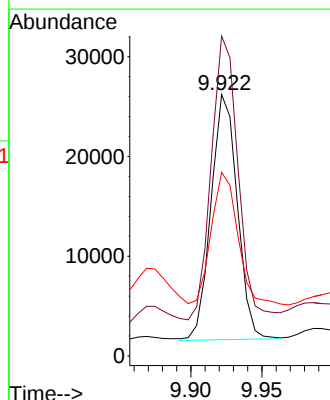
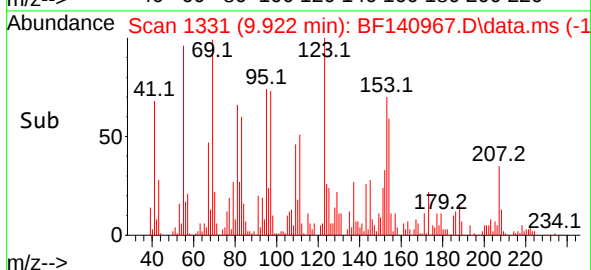
Lab File: BF140967.D

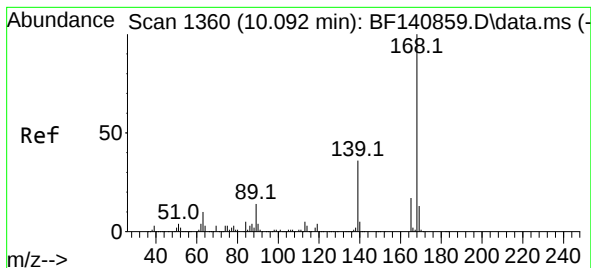
Acq: 23 Dec 2024 15:27



Tgt Ion:154 Resp: 31612

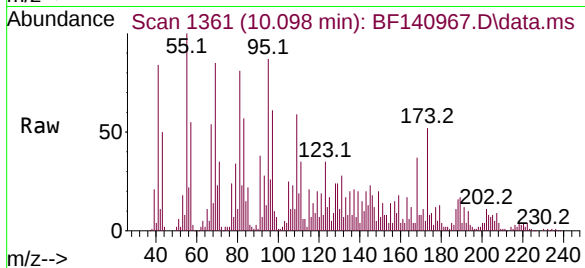
Ion	Ratio	Lower	Upper
154	100		
153	122.4	89.9	134.9
152	70.2	42.6	63.8





#55
Dibenzenofuran
Concen: 4.326 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

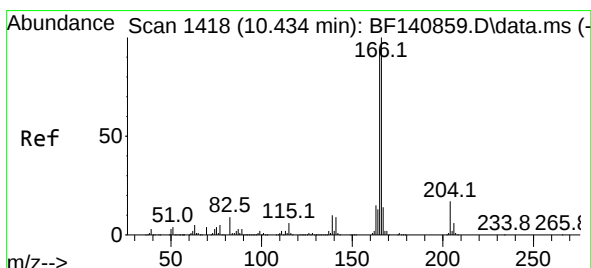
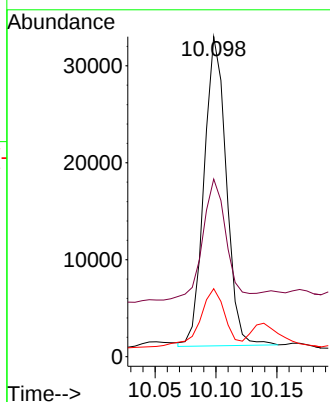
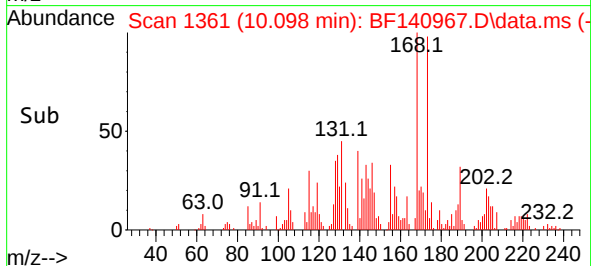
Instrument :
BNA_F
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CHRT26634DL



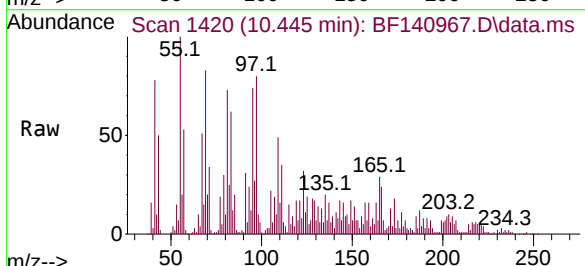
Tgt Ion:168 Resp: 40379
Ion Ratio Lower Upper
168 100
139 55.5 31.1 46.7#
169 21.3 10.6 16.0#

Manual Integrations
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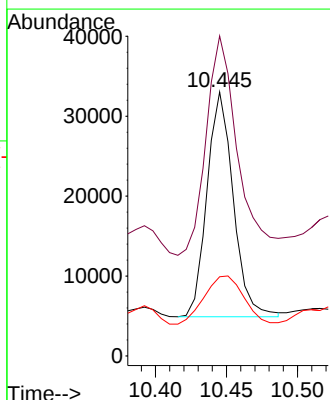
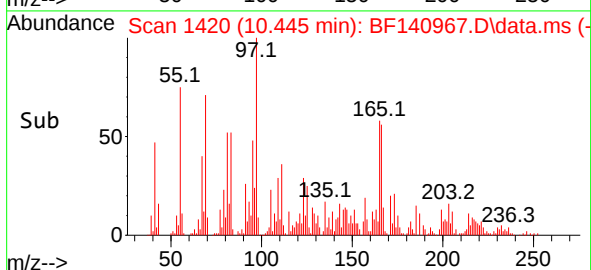
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

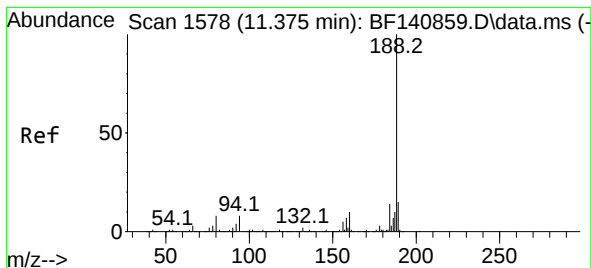


#58
Fluorene
Concen: 4.711 ng
RT: 10.445 min Scan# 1420
Delta R.T. 0.012 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27



Tgt Ion:166 Resp: 36279
Ion Ratio Lower Upper
166 100
165 121.2 75.1 112.7#
167 30.0 11.1 16.7#





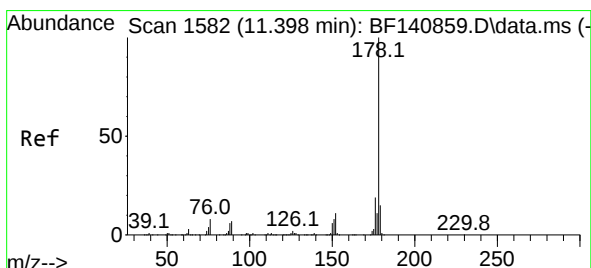
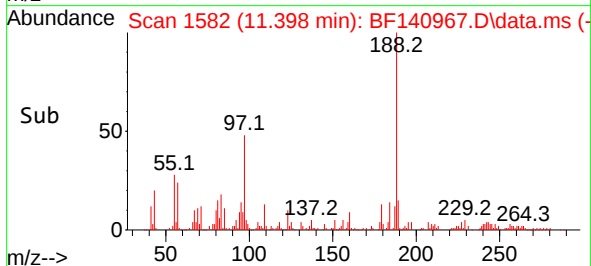
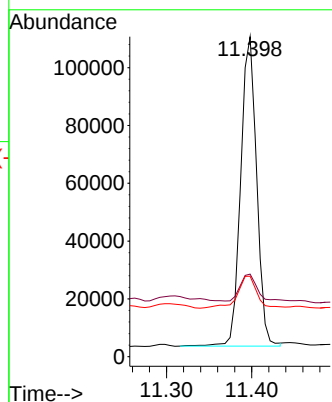
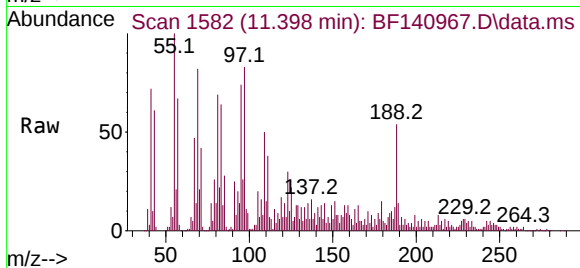
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.023 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Instrument :
BNA_F
ClientSampleId :
CHRT26634DL

Tgt Ion:188 Resp: 139132
Ion Ratio Lower Upper
188 100
94 25.8 6.4 9.6
80 25.1 6.8 10.2

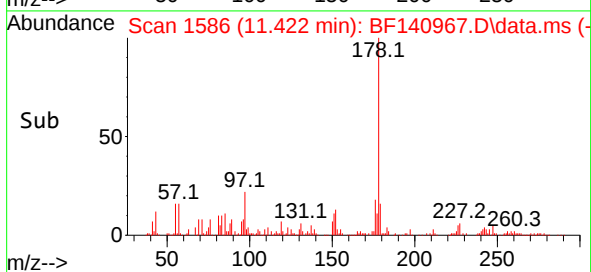
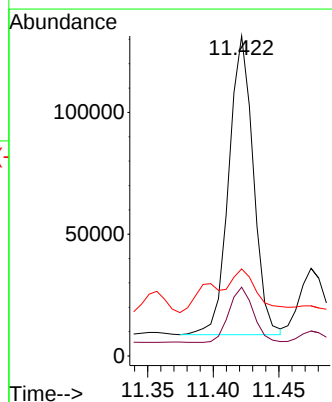
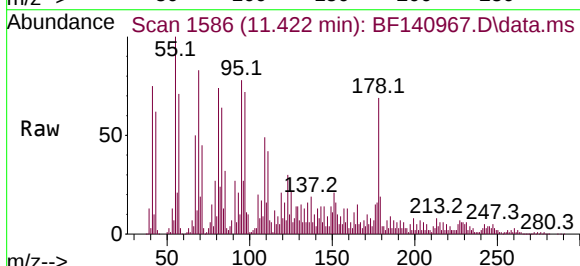
Manual Integrations
APPROVED

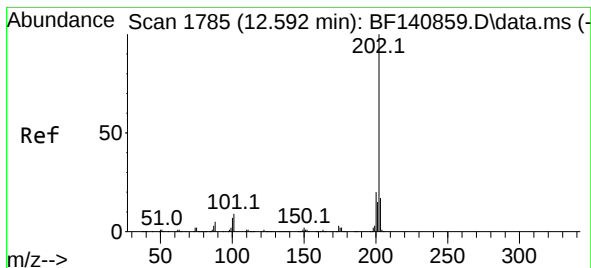
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



#71
Phenanthrene
Concen: 22.282 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.023 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

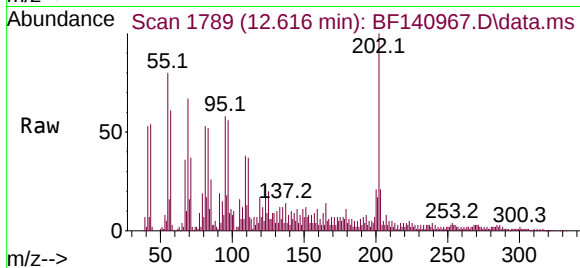
Tgt Ion:178 Resp: 159422
Ion Ratio Lower Upper
178 100
176 21.5 15.4 23.2
179 27.2 12.1 18.1#





#75
Fluoranthene
Concen: 18.797 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

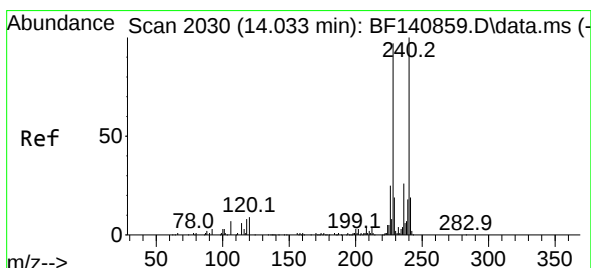
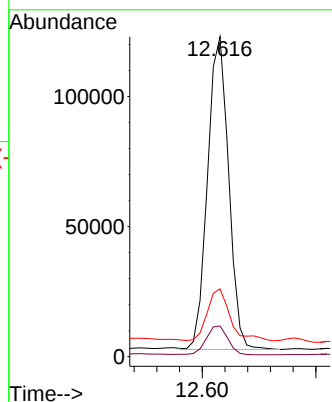
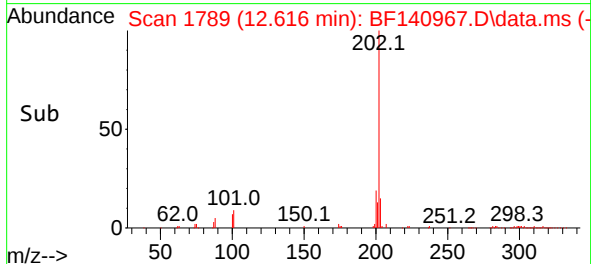
Instrument :
BNA_F
ClientSampleId :
CHRT26634DL



Tgt Ion:202 Resp: 15488
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.3
203 21.2 0.0 37.4

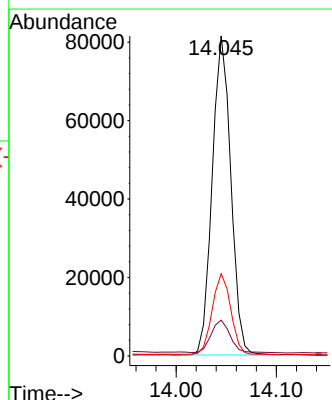
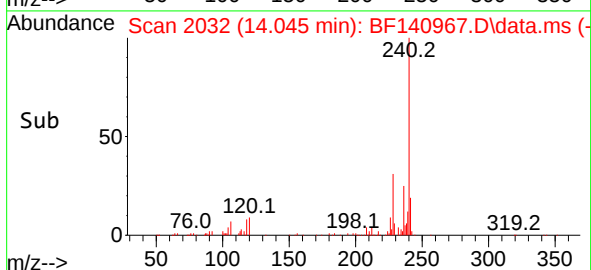
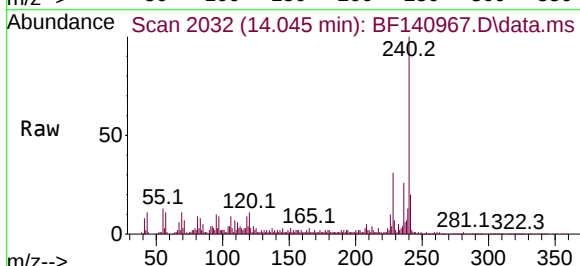
Manual Integrations
APPROVED

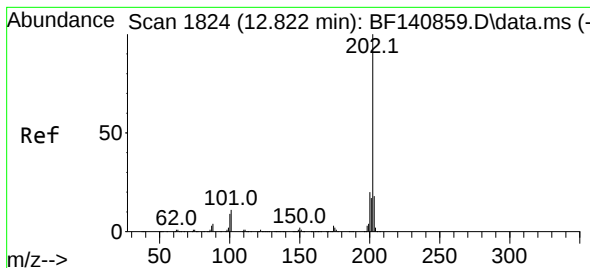
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Tgt Ion:240 Resp: 104862
Ion Ratio Lower Upper
240 100
120 11.2 7.6 11.4
236 25.7 20.5 30.7





#78

Pyrene

Concen: 15.772 ng m

RT: 12.845 min Scan# 1828

Delta R.T. 0.023 min

Lab File: BF140967.D

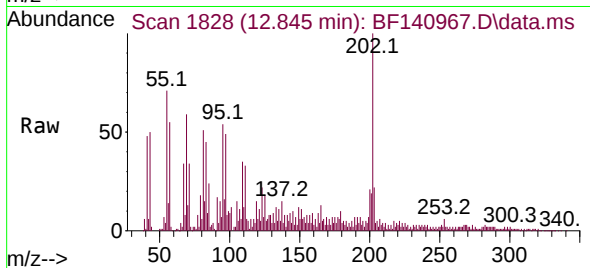
Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL



Tgt Ion:202 Resp: 147070

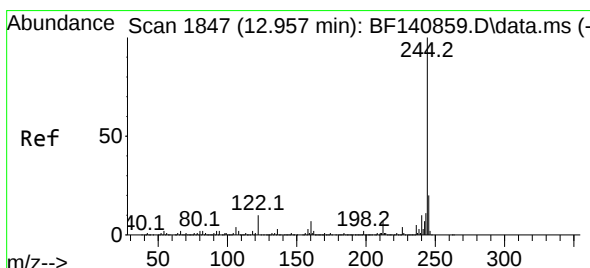
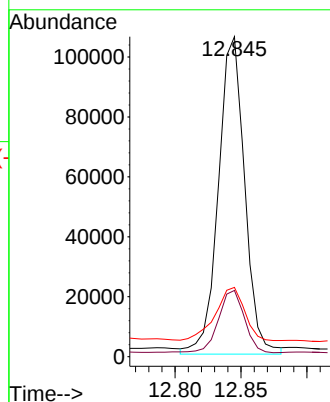
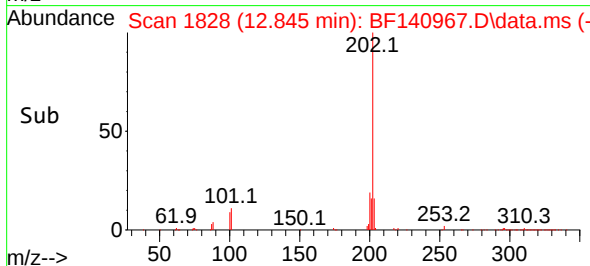
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.1	24.1
203	21.7	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/24/2024



#79

Terphenyl-d14

Concen: 8.540 ng

RT: 12.969 min Scan# 1849

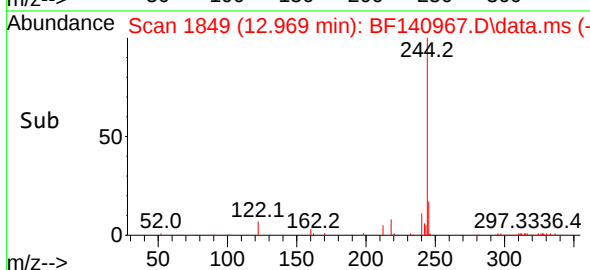
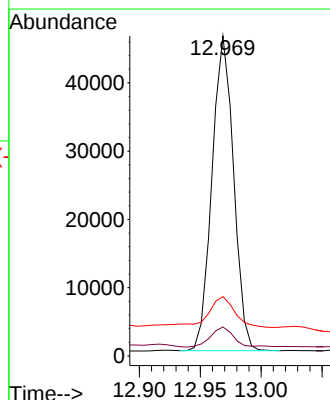
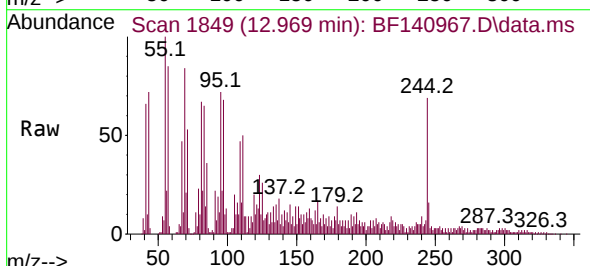
Delta R.T. 0.012 min

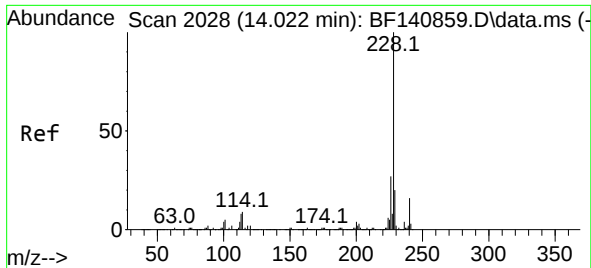
Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Tgt Ion:244 Resp: 56789

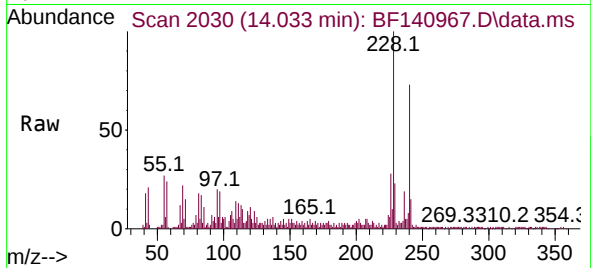
Ion	Ratio	Lower	Upper
244	100		
212	9.0	5.6	8.4#
122	18.5	8.2	12.2#





#81
Benzo(a)anthracene
Concen: 7.792 ng
RT: 14.033 min Scan# 2028
Delta R.T. 0.012 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

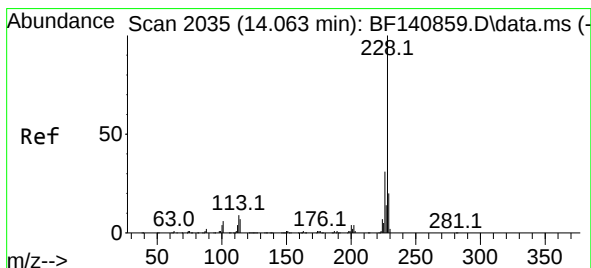
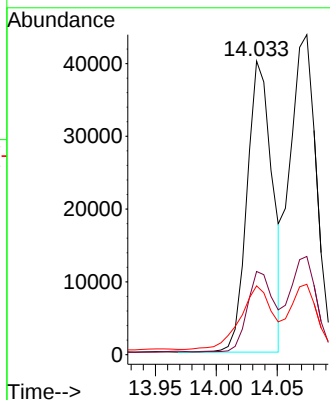
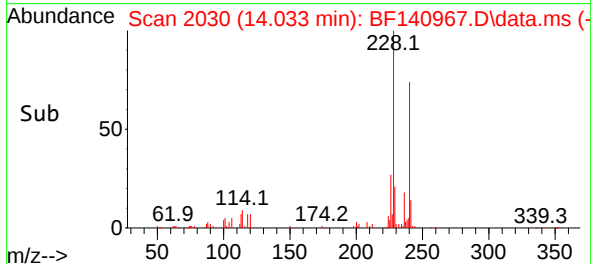
Instrument :
BNA_F
ClientSampleId :
CHRT26634DL



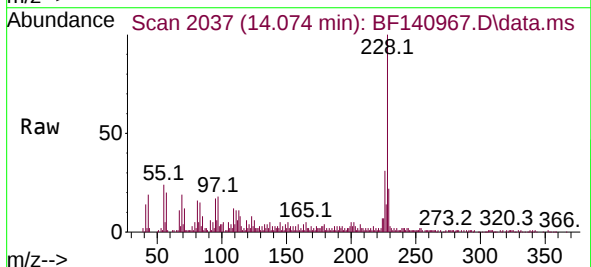
Tgt Ion:228 Resp: 5791
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 23.4 15.8 23.8

Manual Integrations
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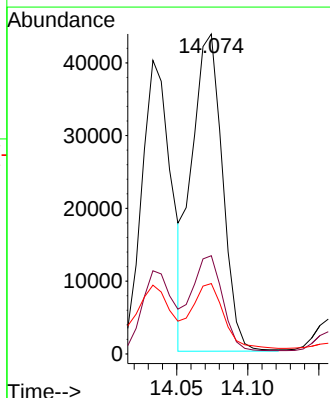
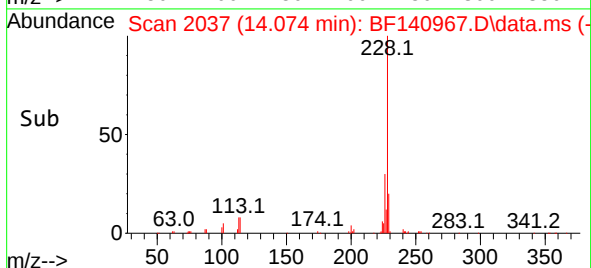
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

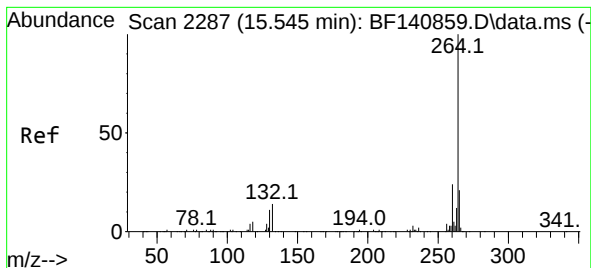


#83
Chrysene
Concen: 9.668 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27



Tgt Ion:228 Resp: 65335
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 22.0 16.0 24.0





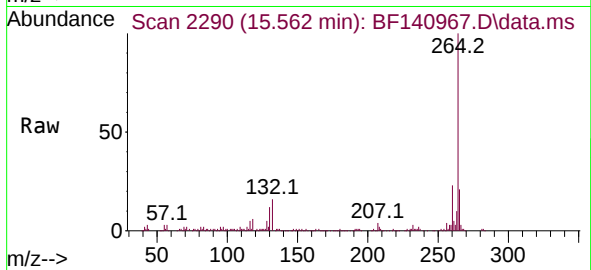
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2100
Delta R.T. 0.018 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL

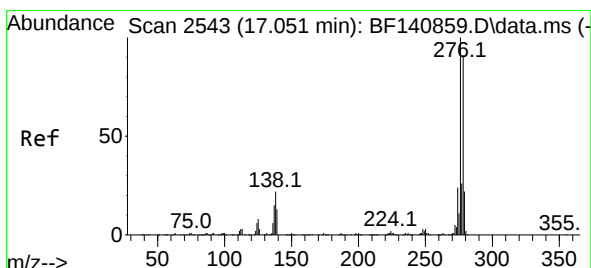
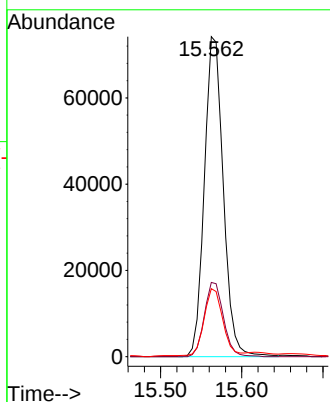
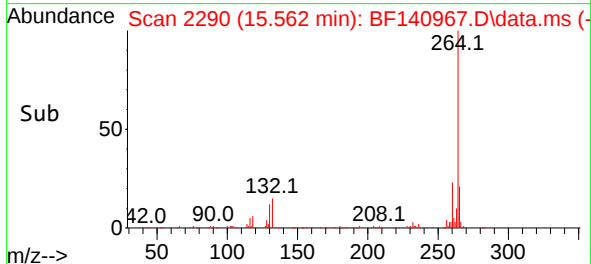


Tgt Ion:264 Resp: 120229
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.3 17.0 25.4

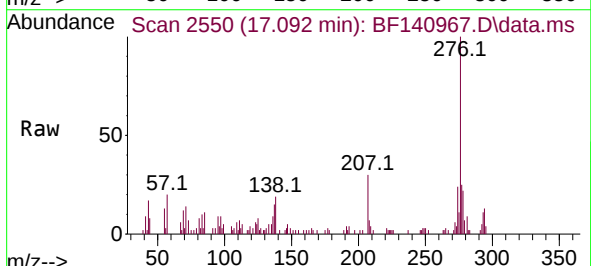
Manual Integrations

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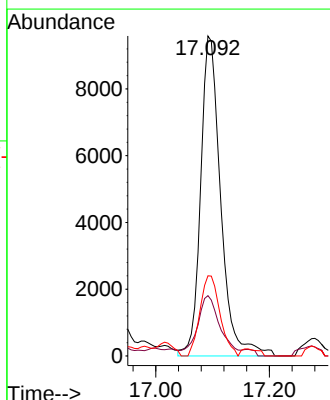
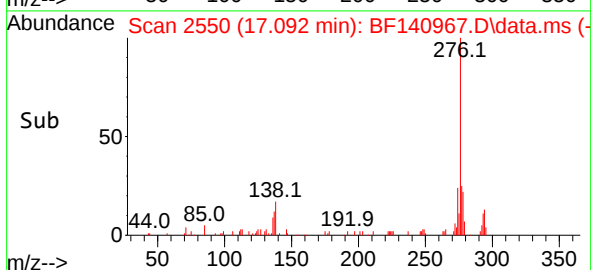
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

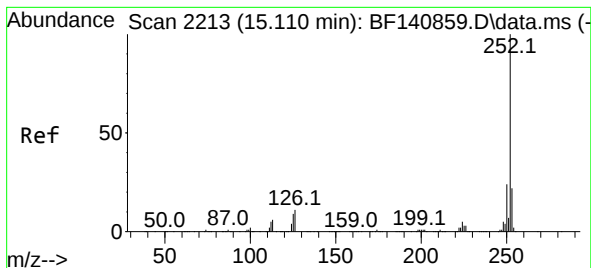


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.133 ng
RT: 17.092 min Scan# 2550
Delta R.T. 0.041 min
Lab File: BF140967.D
Acq: 23 Dec 2024 15:27



Tgt Ion:276 Resp: 23505
Ion Ratio Lower Upper
276 100
138 17.6 16.9 25.3
277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 11.327 ng m

RT: 15.133 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL

Tgt Ion:252 Resp: 94528

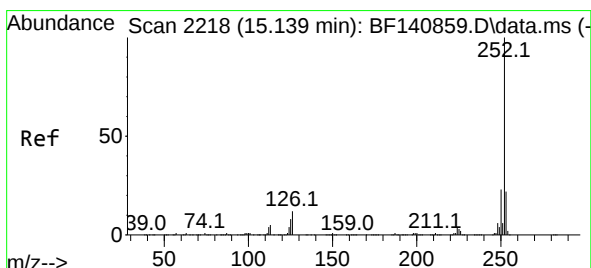
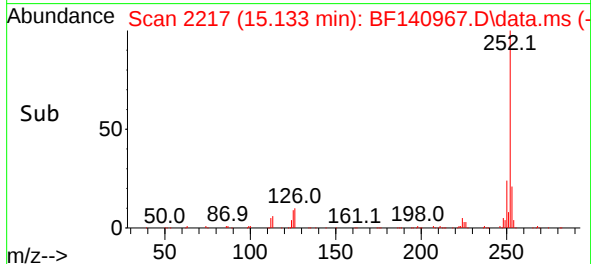
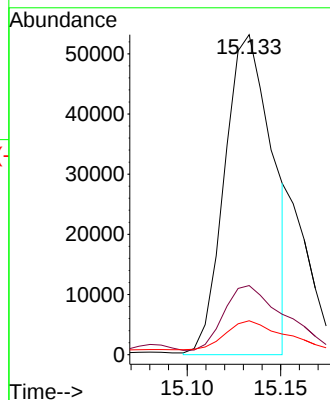
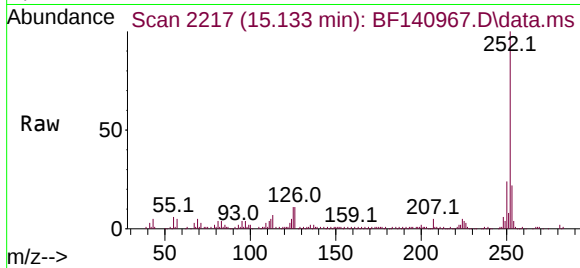
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	10.6	7.0	10.4

Manual Integrations

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/24/2024



#89

Benzo(k)fluoranthene

Concen: 3.198 ng m

RT: 15.151 min Scan# 2220

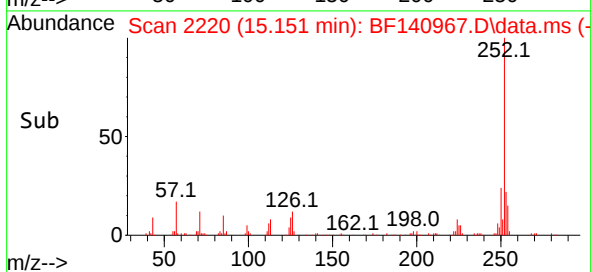
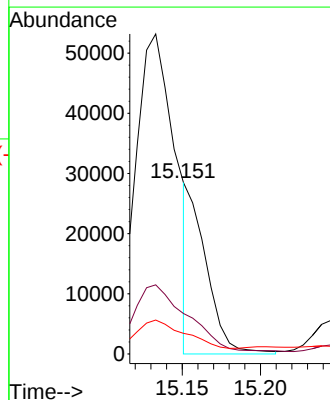
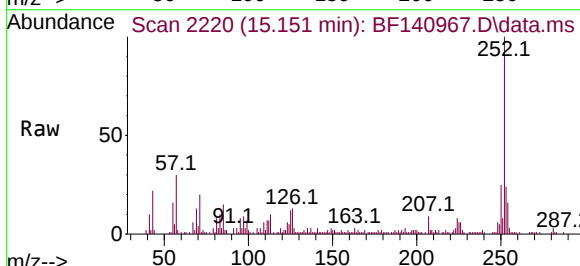
Delta R.T. 0.012 min

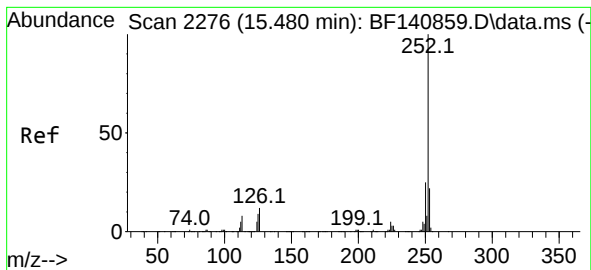
Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Tgt Ion:252 Resp: 22897

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.0	6.8	10.2





#90

Benzo(a)pyrene

Concen: 6.349 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Instrument :

BNA_F

ClientSampleId :

CHRT26634DL

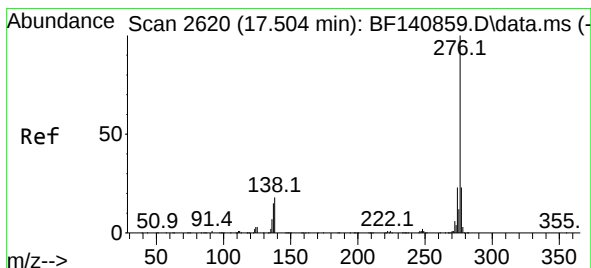
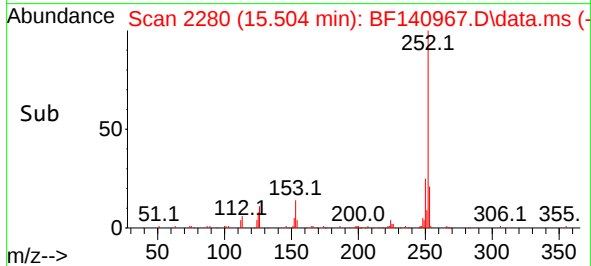
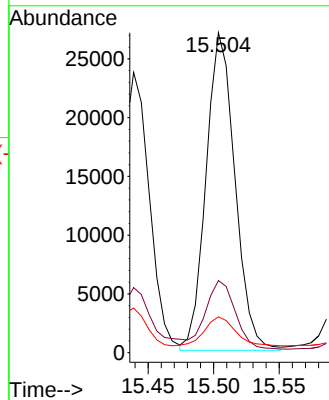
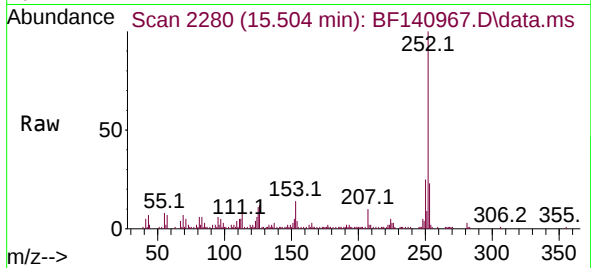
Tgt Ion:252 Resp: 41488
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 11.2 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/24/2024



#92

Benzo(g,h,i)perylene

Concen: 3.097 ng

RT: 17.562 min Scan# 2630

Delta R.T. 0.059 min

Lab File: BF140967.D

Acq: 23 Dec 2024 15:27

Tgt Ion:276 Resp: 19591
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.7 28.1
 138 18.5 14.2 21.2

