

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140046.D
 Acq On : 25 Oct 2024 19:18
 Operator : RC/JU
 Sample : P4516-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11986

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/28/2024

Quant Time: Oct 25 22:43:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	107268	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	382518	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	171228	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	231635	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	170231	20.000	ng	0.02
86) Perylene-d12	15.551	264	152626	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	94023	13.722	ng	0.00
7) Phenol-d6	6.498	99	117975	13.294	ng	-0.01
23) Nitrobenzene-d5	7.440	82	74412	10.782	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	21781	13.599	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	134152	12.948	ng	-0.01
79) Terphenyl-d14	13.016	244	92267	8.832	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	113743	10.396	ng	# 90
74) Di-n-butylphthalate	11.980	149	97636	8.512	ng	# 82
75) Fluoranthene	12.645	202	265856	24.036	ng	88
78) Pyrene	12.874	202	235572	15.809	ng	# 93
81) Benzo(a)anthracene	14.063	228	118362	10.681	ng	95
83) Chrysene	14.098	228	110015	10.828	ng	96
84) Bis(2-ethylhexyl)phtha...	14.045	149	159809	31.885	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.033	276	56816	5.786	ng	# 93
88) Benzo(b)fluoranthene	15.116	252	143422m	15.426	ng	
89) Benzo(k)fluoranthene	15.133	252	50483m	6.296	ng	
90) Benzo(a)pyrene	15.486	252	89196	11.659	ng	# 75
92) Benzo(g,h,i)perylene	17.486	276	55807	6.821	ng	97

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

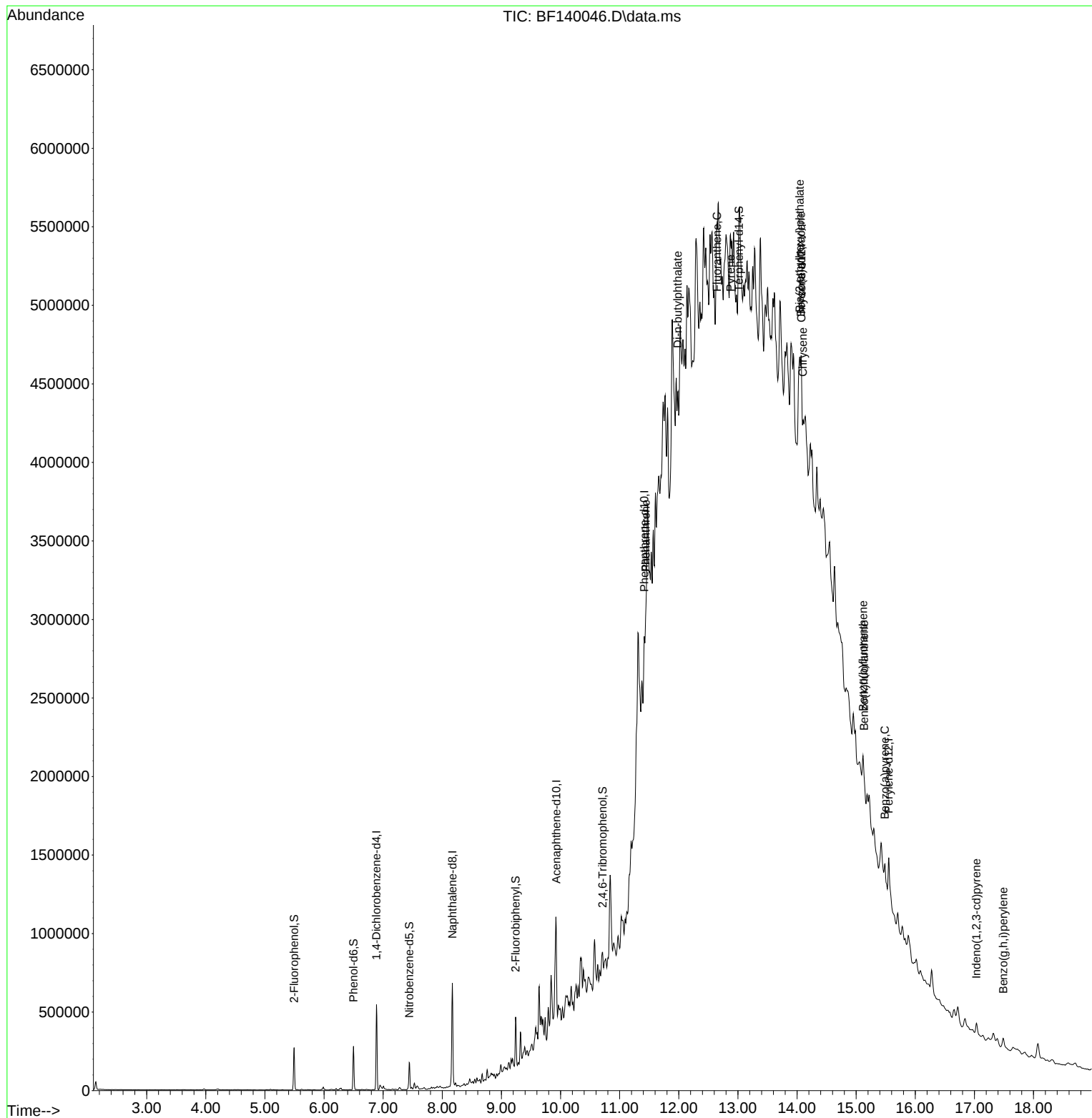
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
Data File : BF140046.D
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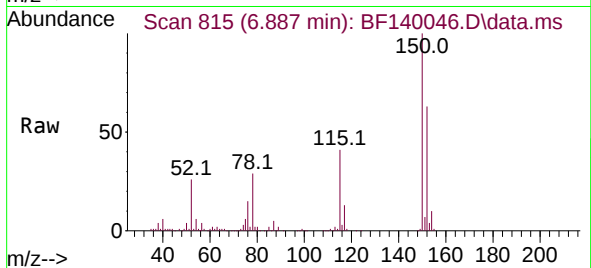
Quant Time: Oct 25 22:43:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

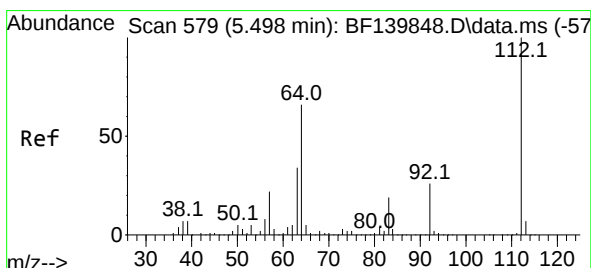
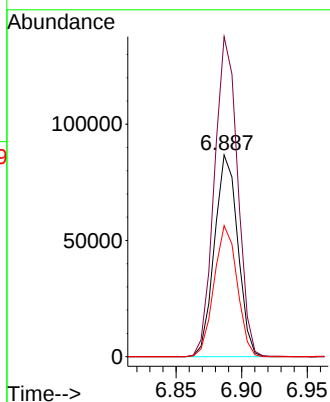
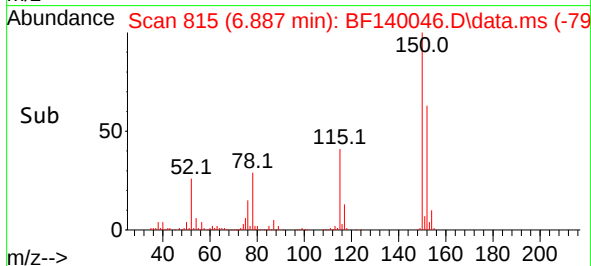
Instrument :
BNA_F
ClientSampleId :
72-11986



Tgt Ion:152 Resp: 10726
Ion Ratio Lower Upper
152 100
150 158.6 130.2 195.2
115 65.0 51.4 77.2

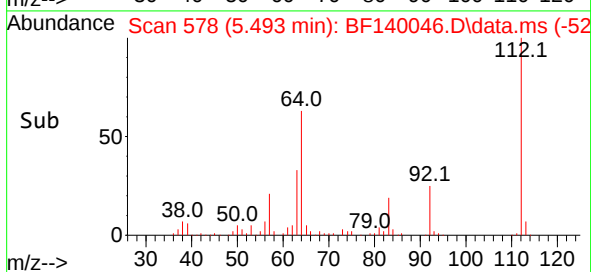
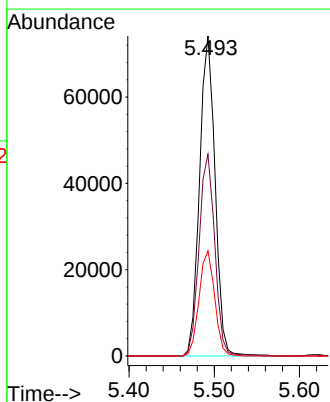
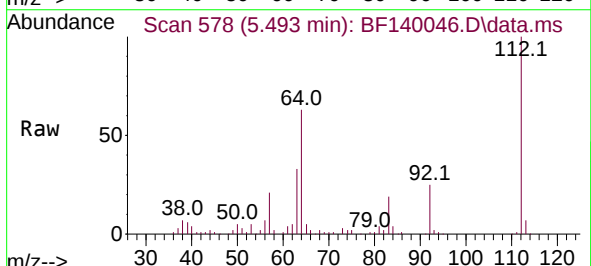
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#5
2-Fluorophenol
Concen: 13.722 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:112 Resp: 94023
Ion Ratio Lower Upper
112 100
64 63.1 53.0 79.6
63 32.9 27.0 40.4





#7

Phenol-d6

Concen: 13.294 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF140046.D

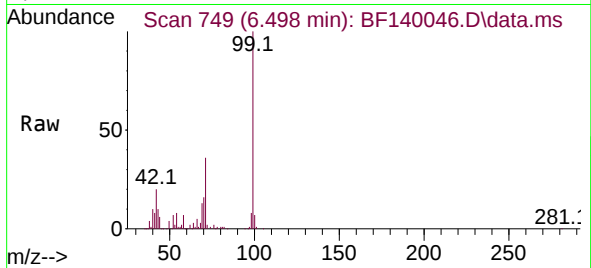
Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986



Tgt Ion: 99 Resp: 117979

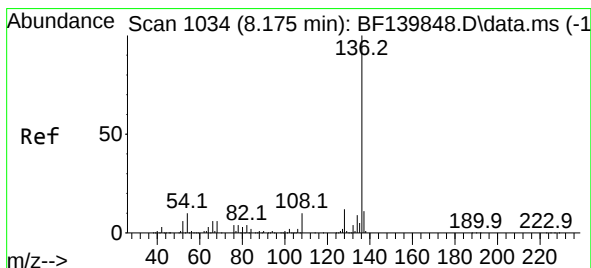
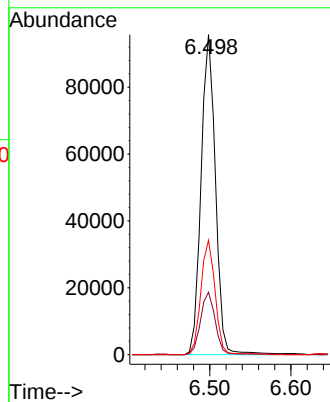
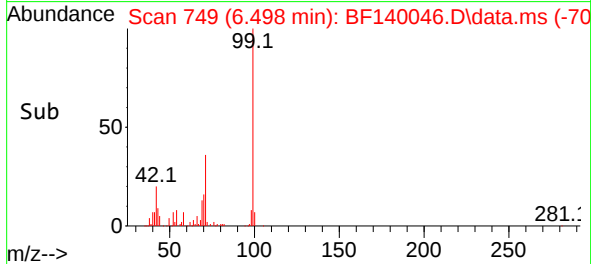
Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.7	25.1
71	35.7	27.7	41.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

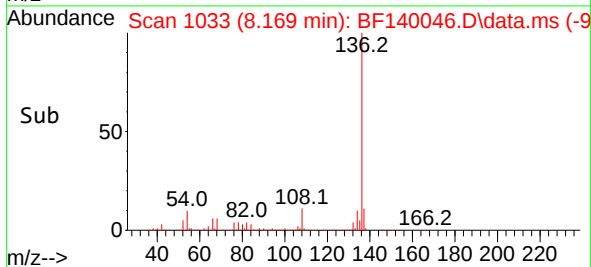
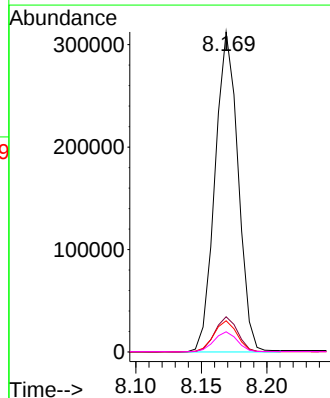
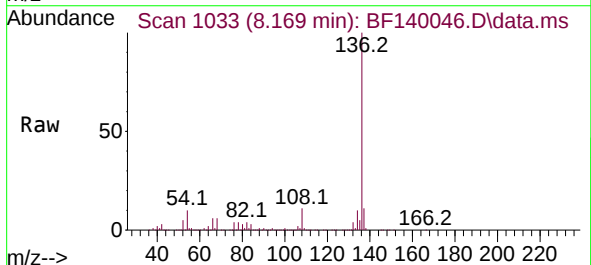
Delta R.T. -0.006 min

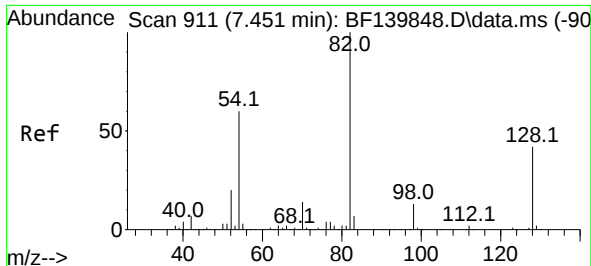
Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Tgt Ion:136 Resp: 382518

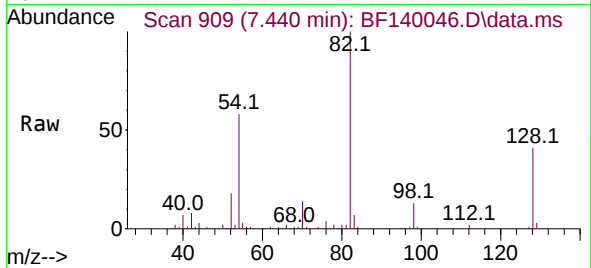
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	8.4	12.6
68	6.3	5.1	7.7





#23
Nitrobenzene-d5
Concen: 10.782 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

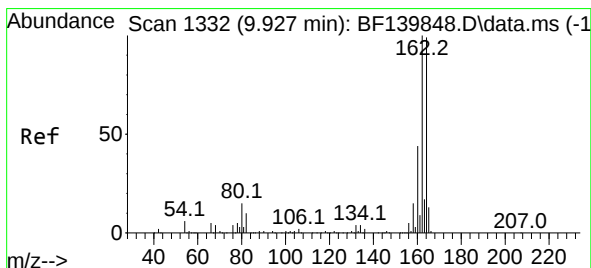
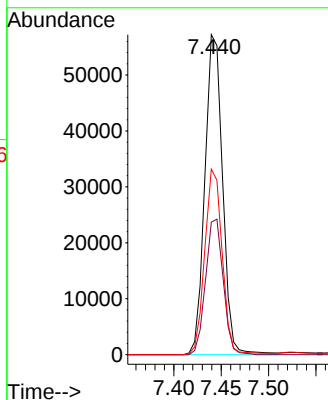
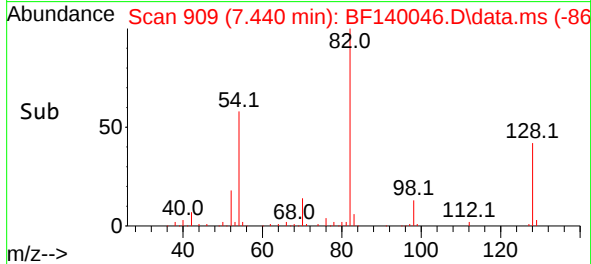
Instrument :
BNA_F
ClientSampleId :
72-11986



Tgt Ion: 82 Resp: 7441
Ion Ratio Lower Upper
82 100
128 41.4 33.4 50.0
54 58.0 47.8 71.8

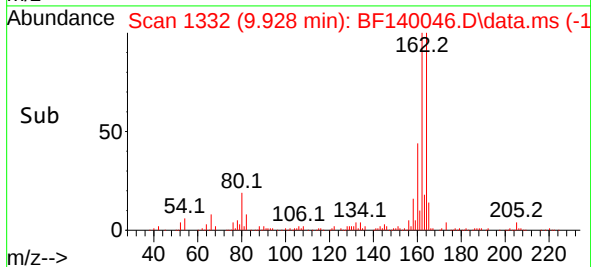
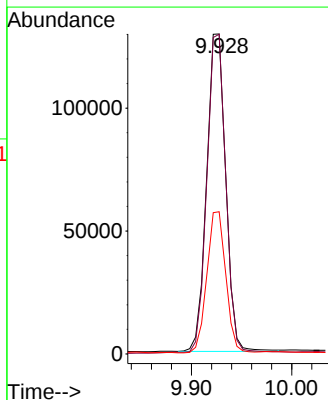
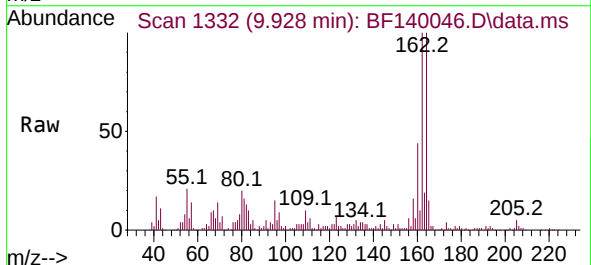
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Supervised By :mohammad ahmed 10/28/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:164 Resp: 171228
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 44.5 35.4 53.0





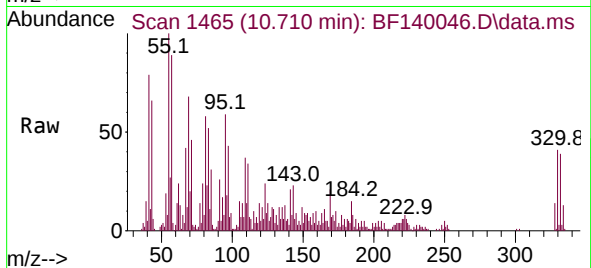
#42
2,4,6-Tribromophenol
Concen: 13.599 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986



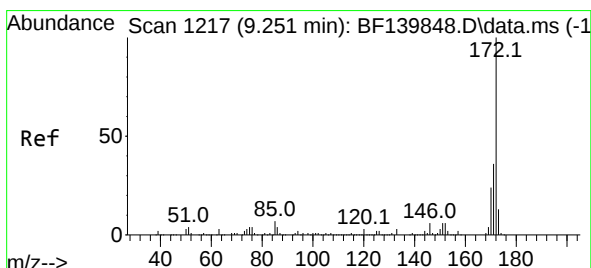
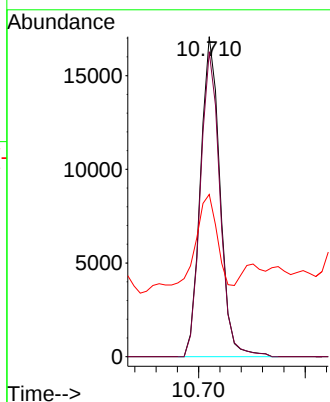
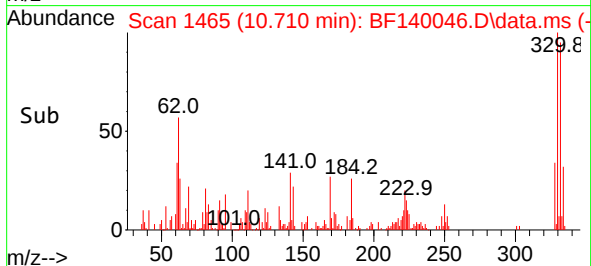
Tgt Ion: 330 Resp: 2178
Ion Ratio Lower Upper
330 100
332 95.6 78.1 117.1
141 28.9 26.6 39.8

Manual Integrations

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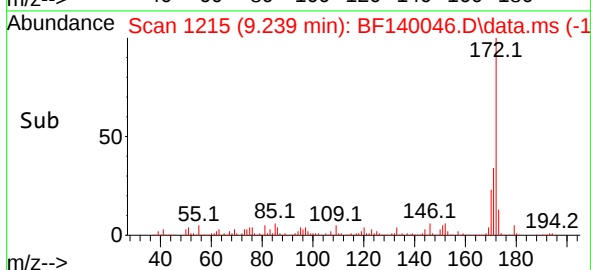
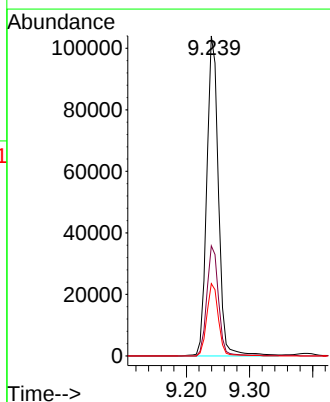
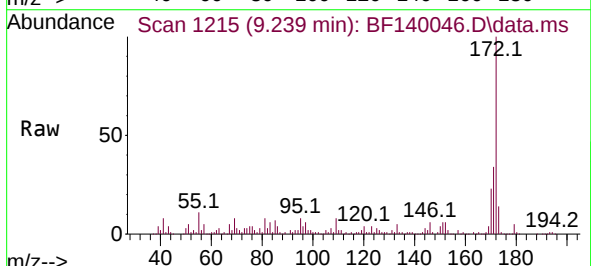
Reviewed By : Yogesh Patel 10/25/2024

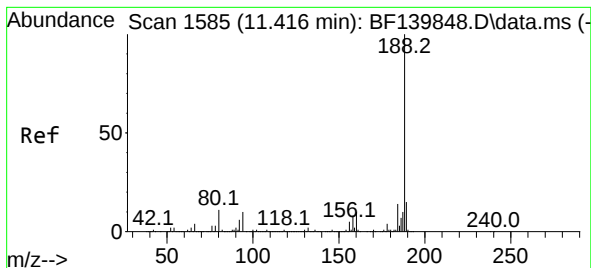
Supervised By : mohammad ahmed 10/28/2024



#45
2-Fluorobiphenyl
Concen: 12.948 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

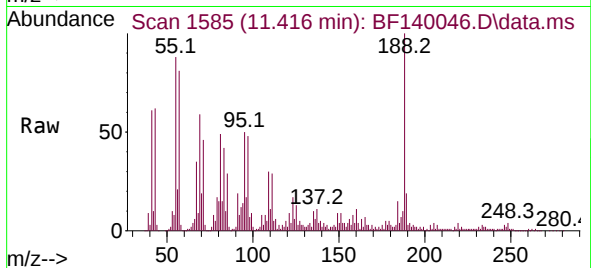
Tgt Ion: 172 Resp: 134152
Ion Ratio Lower Upper
172 100
171 34.4 28.6 43.0
170 22.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

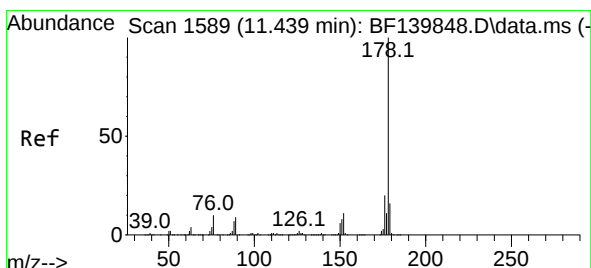
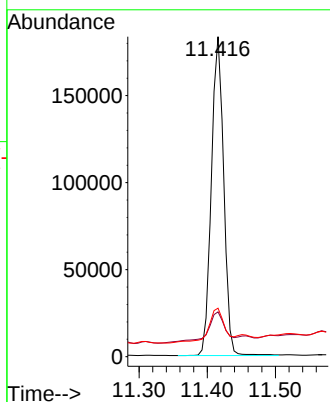
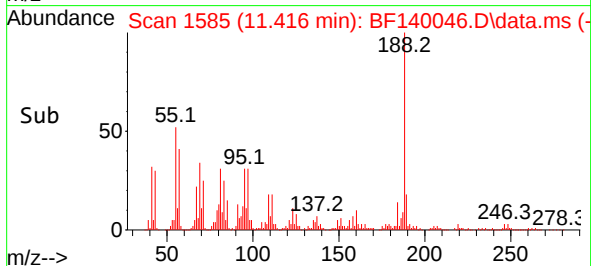
Instrument :
BNA_F
ClientSampleId :
72-11986



Tgt Ion:188 Resp: 231635
Ion Ratio Lower Upper
188 100
94 14.0 7.9 11.9
80 15.2 9.0 13.4

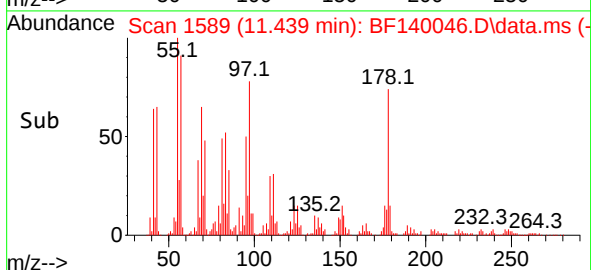
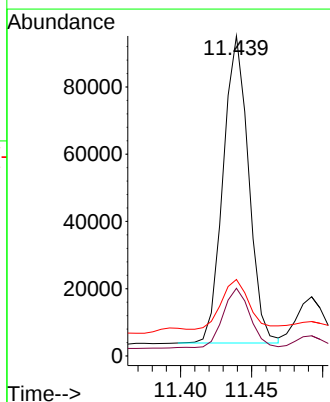
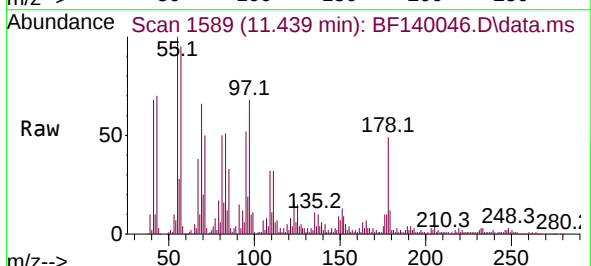
Manual Integrations
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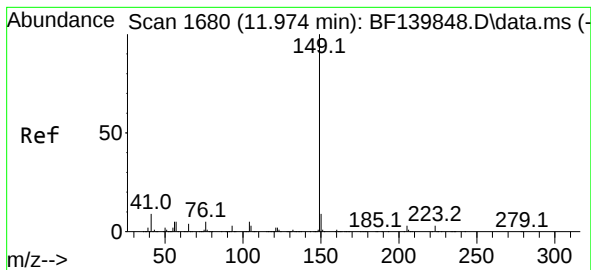
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#71
Phenanthrene
Concen: 10.396 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:178 Resp: 113743
Ion Ratio Lower Upper
178 100
176 21.2 15.8 23.6
179 23.9 12.6 18.8





#74

Di-n-butylphthalate

Concen: 8.512 ng

RT: 11.980 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

Tgt Ion:149 Resp: 97630

Ion Ratio Lower Upper

149 100

150 18.9 7.5 11.3

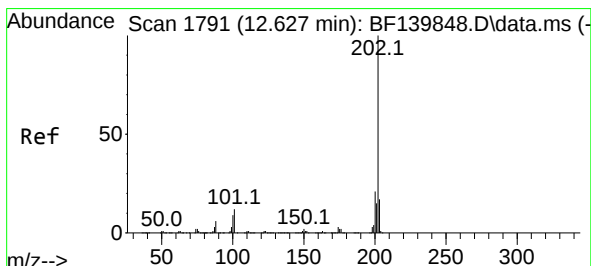
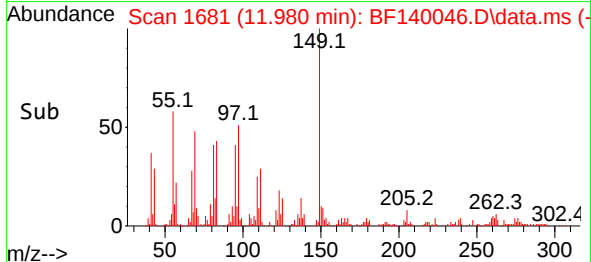
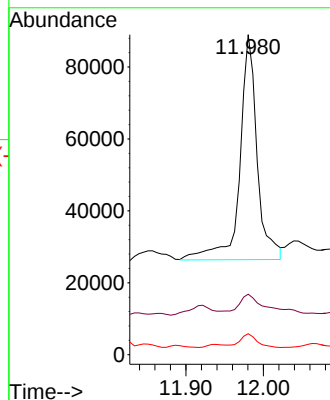
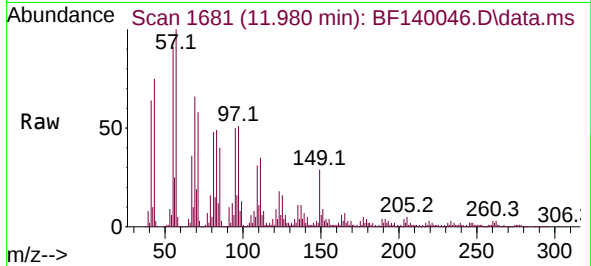
104 6.6 4.1 6.1

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#75

Fluoranthene

Concen: 24.036 ng

RT: 12.645 min Scan# 1794

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

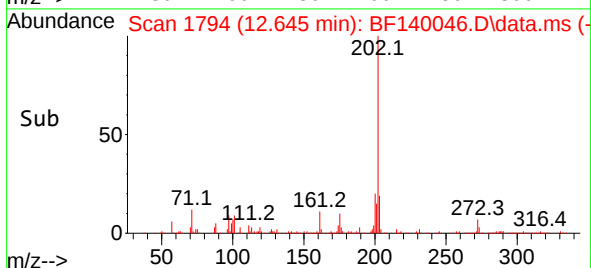
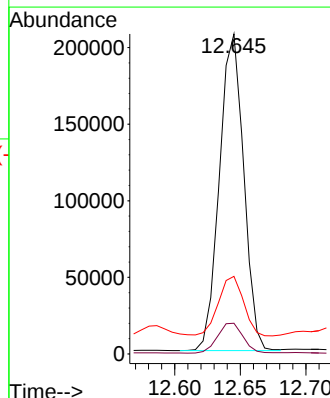
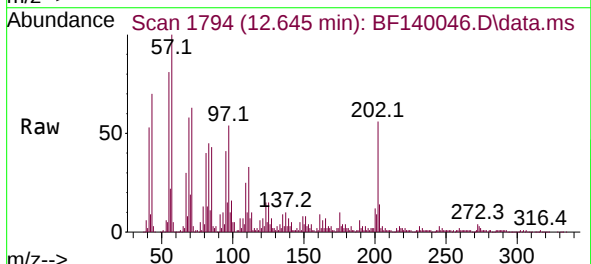
Tgt Ion:202 Resp: 265856

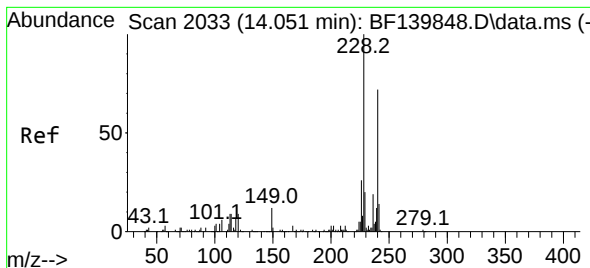
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.9

203 24.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2033

Delta R.T. 0.024 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

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BNA_F

ClientSampleId :

72-11986

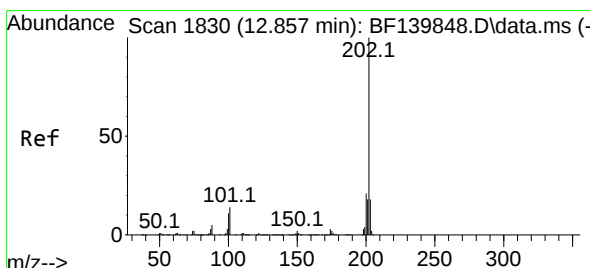
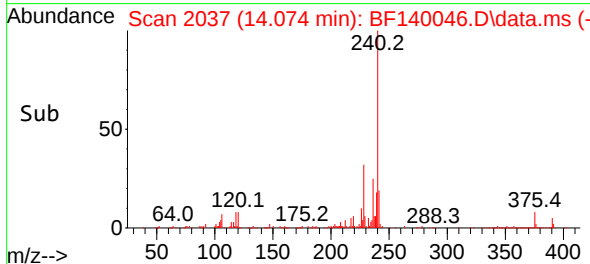
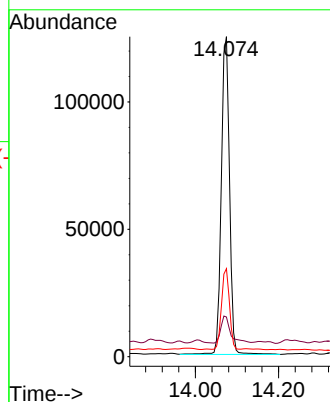
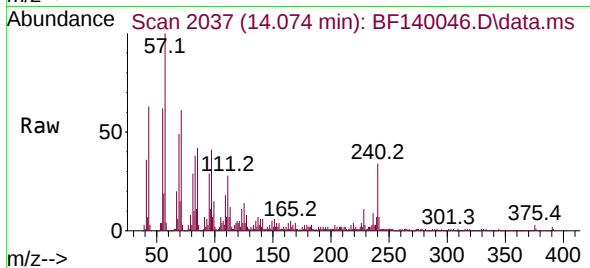
Tgt Ion:240 Resp: 17023
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.4 14.2
 236 27.5 20.9 31.3

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2024



#78

Pyrene

Concen: 15.809 ng

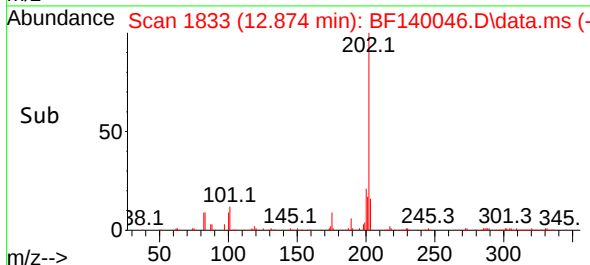
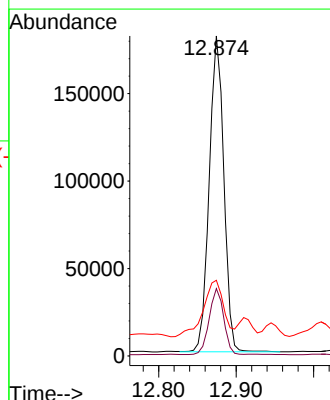
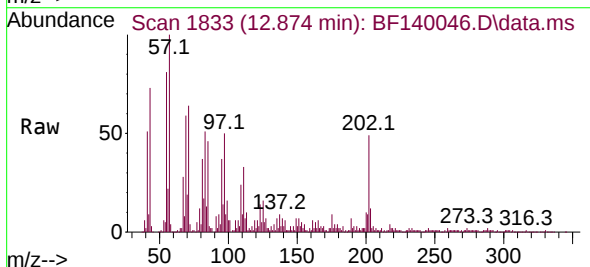
RT: 12.874 min Scan# 1833

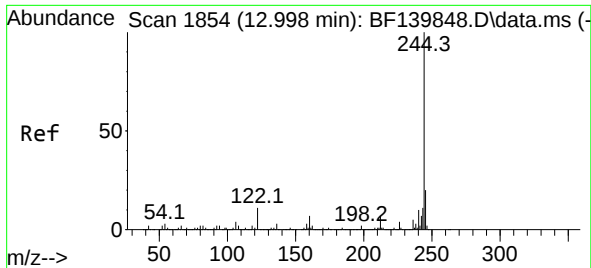
Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Tgt Ion:202 Resp: 235572
 Ion Ratio Lower Upper
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 200 21.0 17.2 25.8
 203 23.7 14.2 21.4





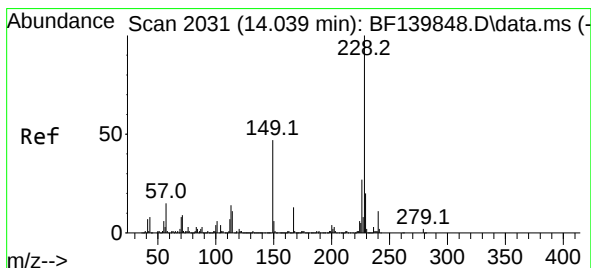
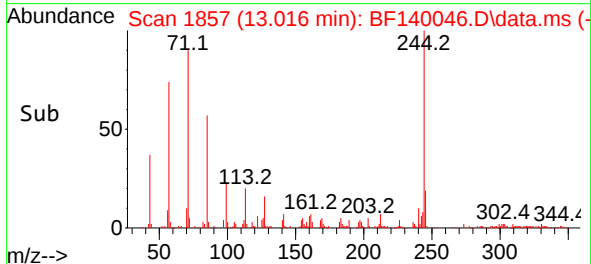
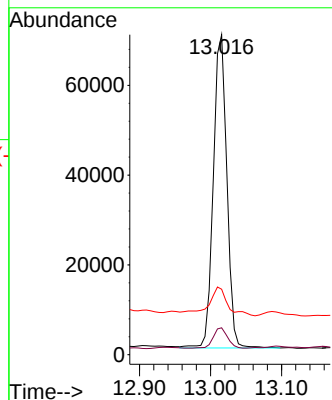
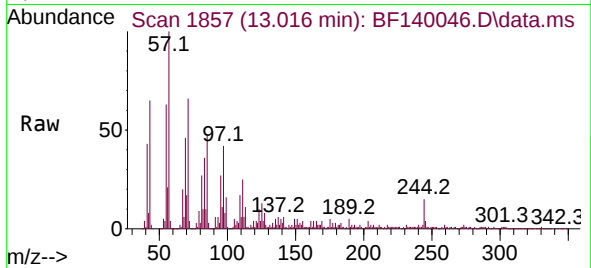
#79
 Terphenyl-d14
 Concen: 8.832 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: BF140046.D
 Acq: 25 Oct 2024 19:18

Instrument :
 BNA_F
 ClientSampleId :
 72-11986

Tgt Ion:244 Resp: 9226
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 20.4 8.6 13.0

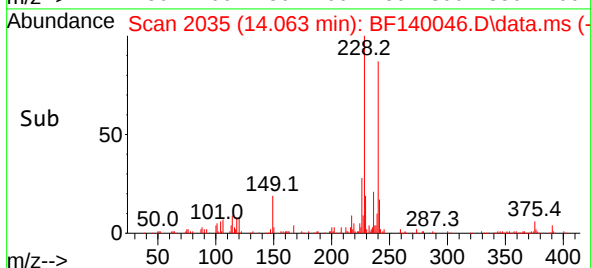
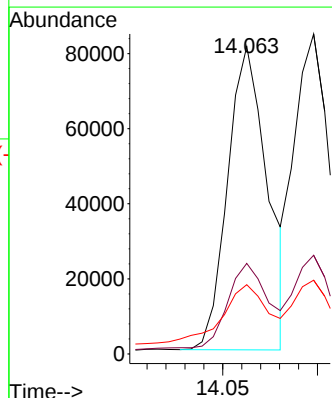
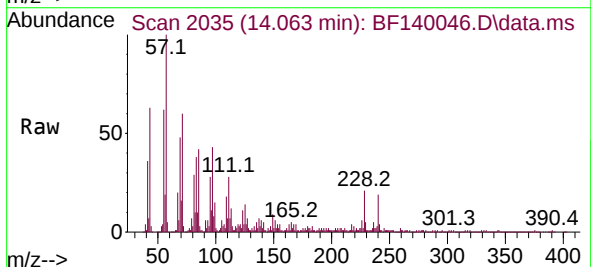
Manual Integrations
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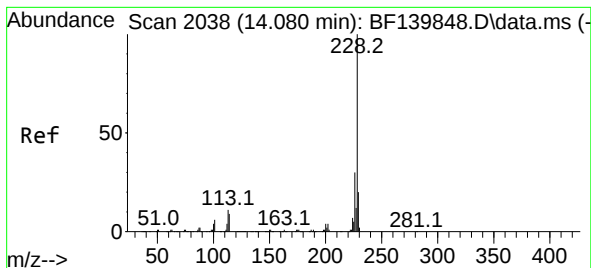
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/28/2024



#81
 Benzo(a)anthracene
 Concen: 10.681 ng
 RT: 14.063 min Scan# 2035
 Delta R.T. 0.024 min
 Lab File: BF140046.D
 Acq: 25 Oct 2024 19:18

Tgt Ion:228 Resp: 118362
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 22.5 16.1 24.1





#83

Chrysene

Concen: 10.828 ng

RT: 14.098 min Scan# 2038

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

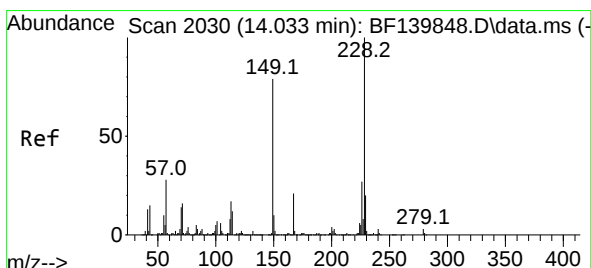
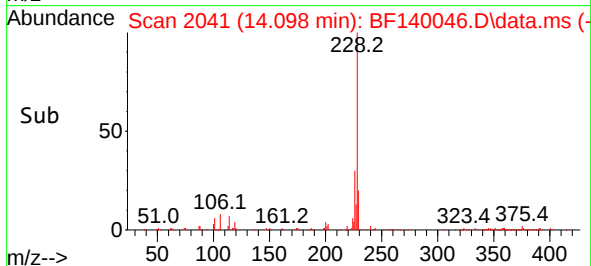
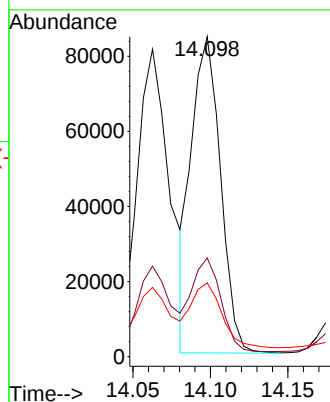
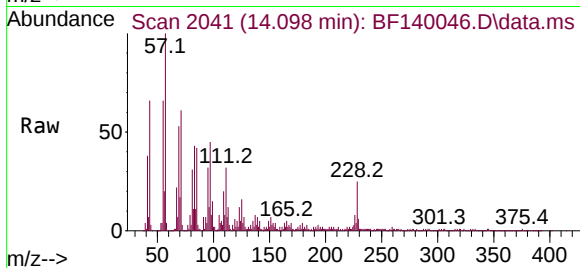
Tgt Ion:228	Resp: 11001
Ion Ratio	Lower Upper
228 100	
226 30.9	24.1 36.1
229 23.1	15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 31.885 ng

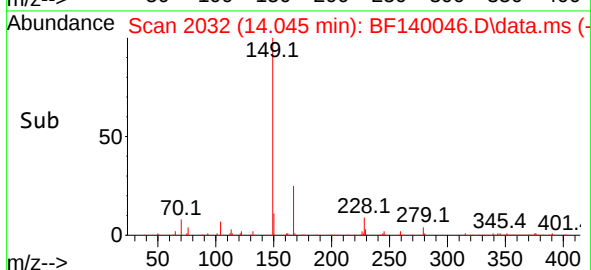
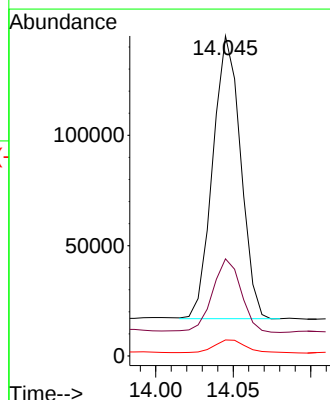
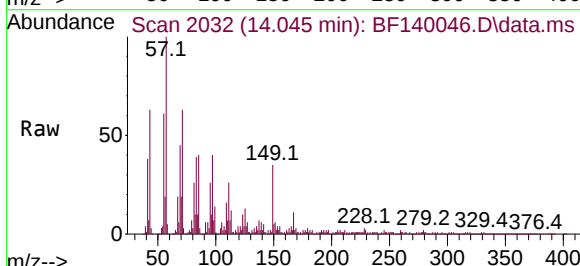
RT: 14.045 min Scan# 2032

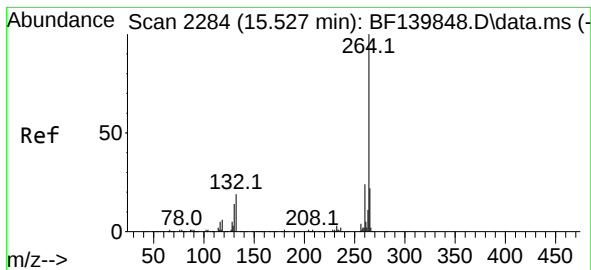
Delta R.T. 0.012 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

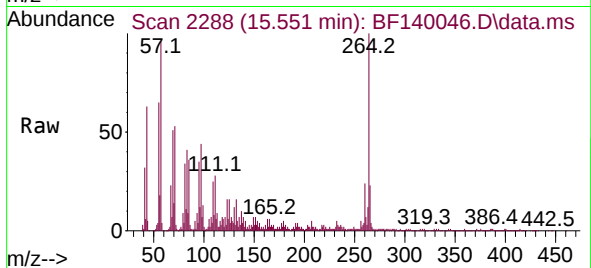
Tgt Ion:149	Resp: 159809
Ion Ratio	Lower Upper
149 100	
167 30.4	21.4 32.0
279 5.0	3.0 4.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

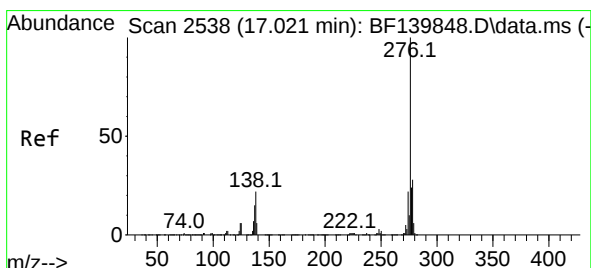
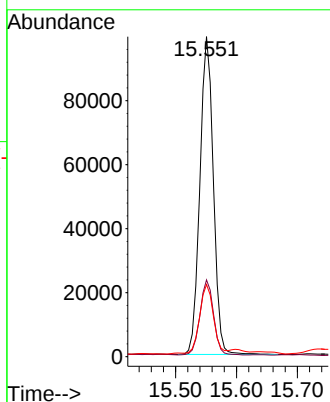
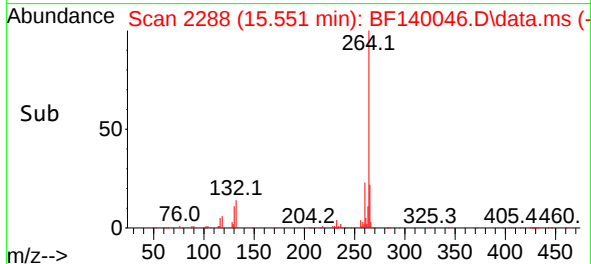
Instrument :
BNA_F
ClientSampleId :
72-11986



Tgt Ion:264 Resp: 152620
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 22.6 17.4 26.0

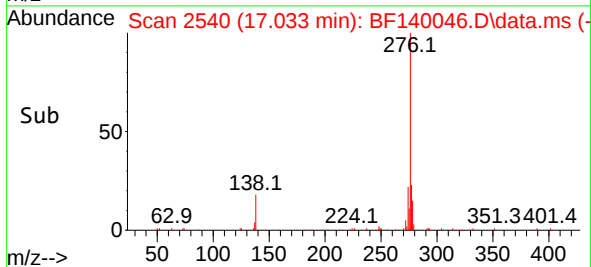
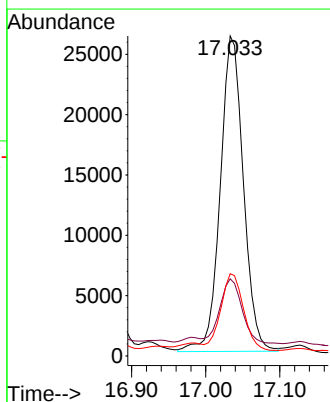
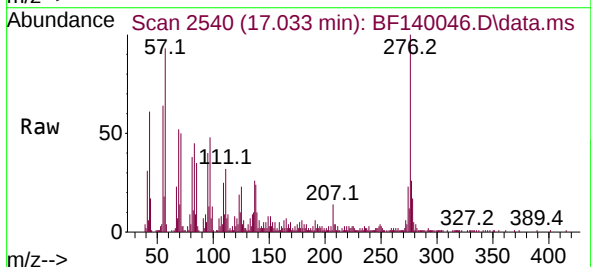
Manual Integrations
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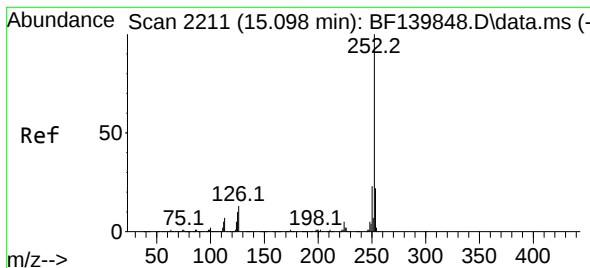
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.786 ng
RT: 17.033 min Scan# 2540
Delta R.T. 0.012 min
Lab File: BF140046.D
Acq: 25 Oct 2024 19:18

Tgt Ion:276 Resp: 56816
Ion Ratio Lower Upper
276 100
138 20.0 20.4 30.6#
277 23.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 15.426 ng m

RT: 15.116 min Scan# 2214

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNA_F

ClientSampleId :

72-11986

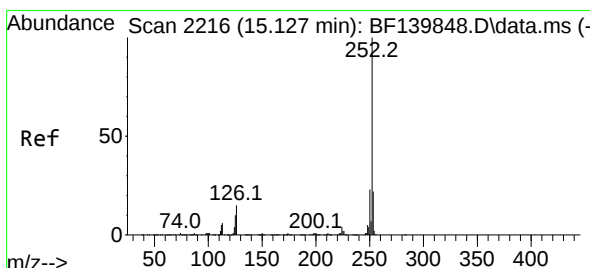
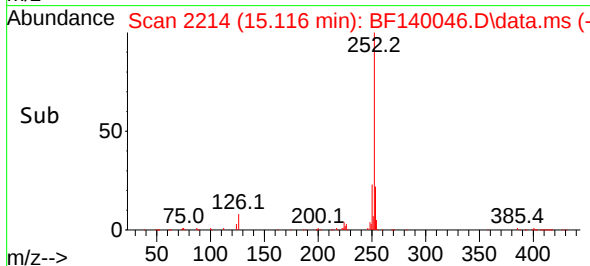
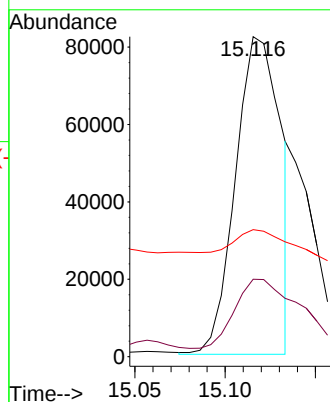
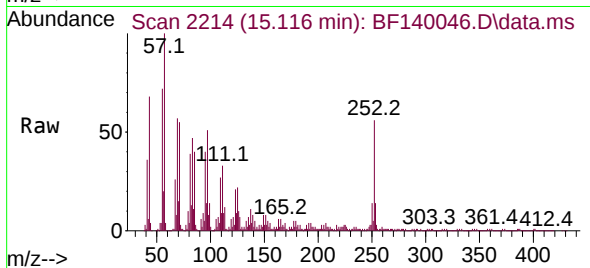
Tgt Ion:252 Resp: 14342
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 39.7 7.9 11.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#89

Benzo(k)fluoranthene

Concen: 6.296 ng m

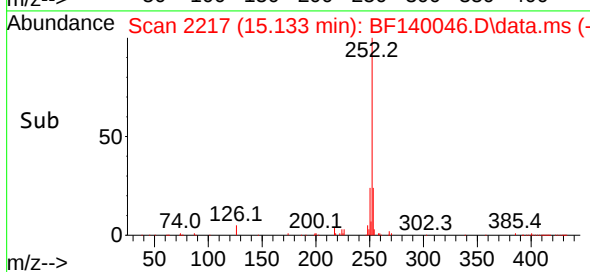
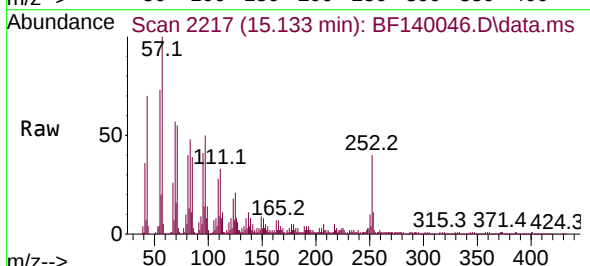
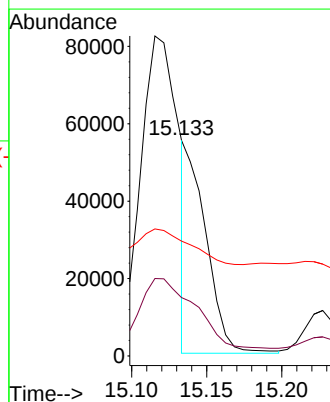
RT: 15.133 min Scan# 2217

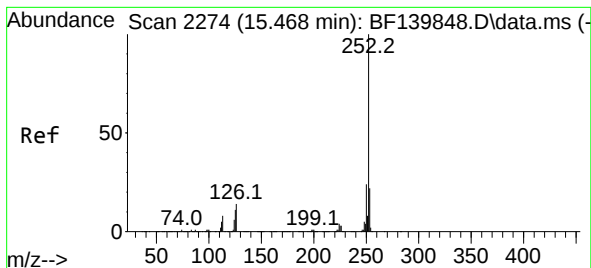
Delta R.T. 0.006 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Tgt Ion:252 Resp: 50483
Ion Ratio Lower Upper
252 100
253 27.1 17.6 26.4#
125 53.3 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 11.659 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Instrument :

BNF

ClientSampleId :

72-11986

Tgt Ion:252 Resp: 89190

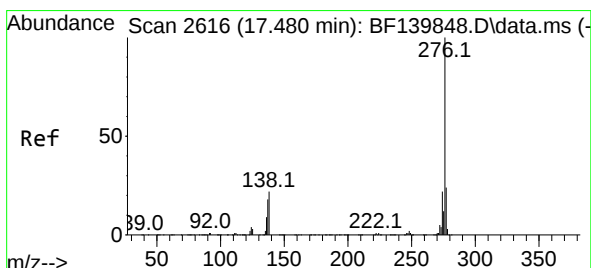
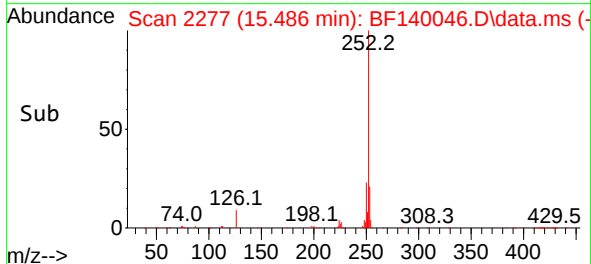
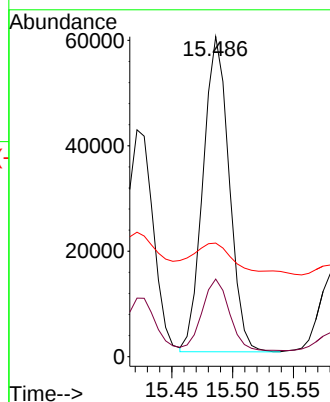
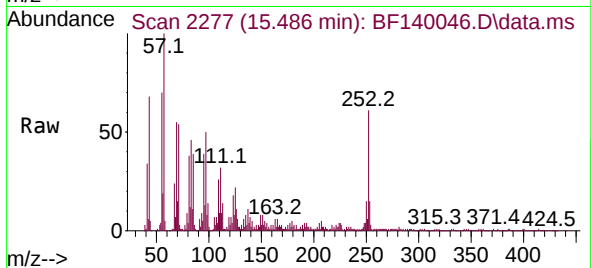
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.3	25.9
125	35.5	8.7	13.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#92

Benzo(g,h,i)perylene

Concen: 6.821 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF140046.D

Acq: 25 Oct 2024 19:18

Tgt Ion:276 Resp: 55807

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.6
138	23.0	17.4	26.0

