

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140304.D
 Acq On : 08 Nov 2024 17:36
 Operator : RC/JU
 Sample : P4739-13 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 21:47:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	120884	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	437838	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	216596	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	349249	20.000	ng	0.00
76) Chrysene-d12	14.057	240	251618	20.000	ng	0.00
86) Perylene-d12	15.568	264	196092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	278159	38.133	ng	0.00
7) Phenol-d6	6.498	99	358130	38.170	ng	0.00
23) Nitrobenzene-d5	7.434	82	220736	25.065	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	71209	33.261	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	411319	30.324	ng	0.00
79) Terphenyl-d14	12.992	244	412653	26.865	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	55430	3.326	ng	99
75) Fluoranthene	12.622	202	137217	7.873	ng	98
78) Pyrene	12.851	202	130782	6.295	ng	97
81) Benzo(a)anthracene	14.045	228	75426	4.671	ng	# 92
83) Chrysene	14.080	228	68584	4.536	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.080	276	31506	2.737	ng	95
88) Benzo(b)fluoranthene	15.127	252	74222m	6.258	ng	
89) Benzo(k)fluoranthene	15.145	252	28043m	2.577	ng	
90) Benzo(a)pyrene	15.504	252	53308	5.451	ng	# 86
92) Benzo(g,h,i)perylene	17.539	276	33546	3.472	ng	# 91

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

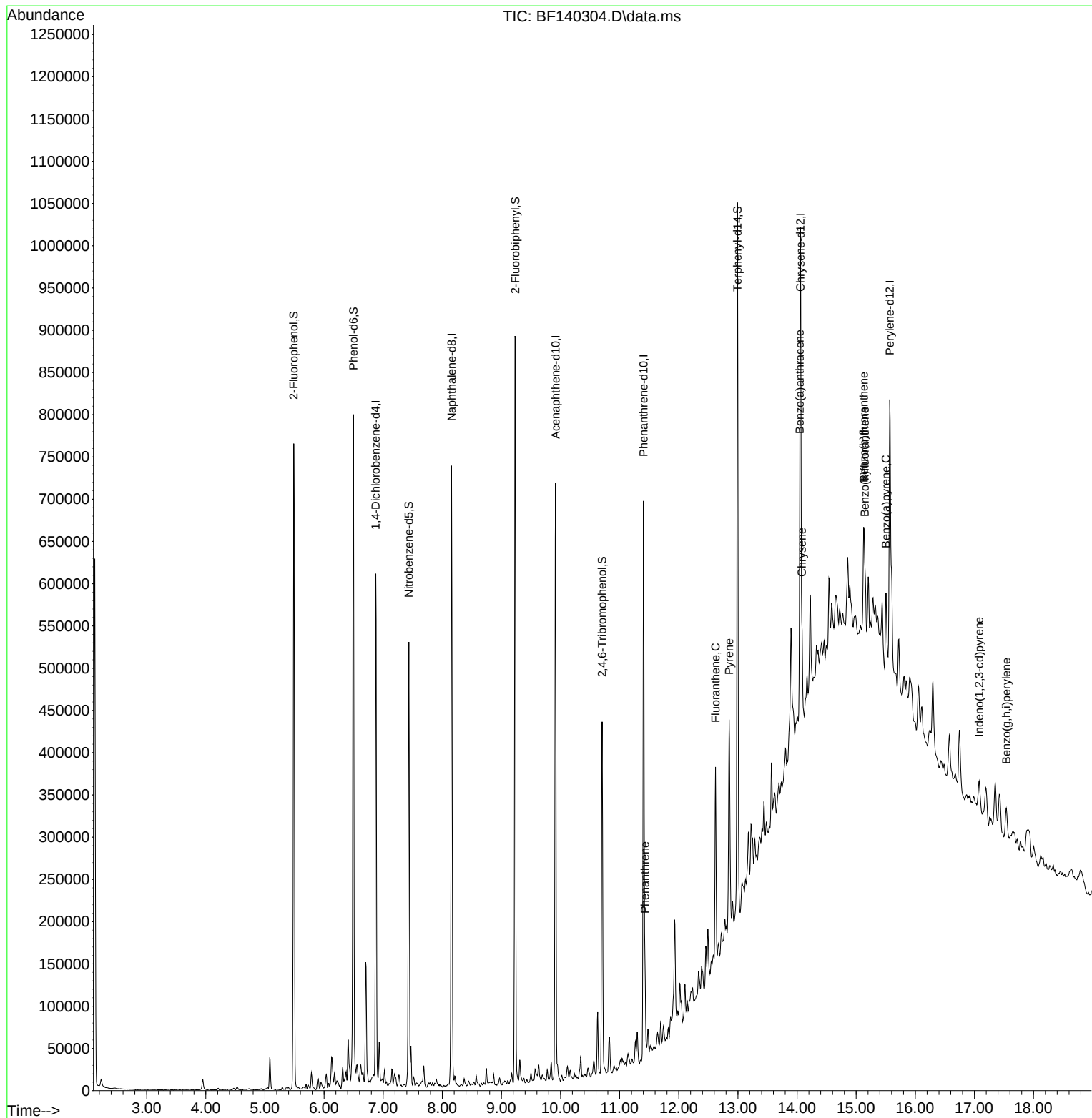
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140304.D
Acq On : 08 Nov 2024 17:36
Operator : RC/JU
Sample : P4739-13 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

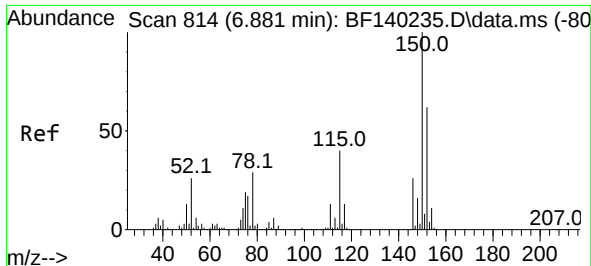
Instrument :
BNA_F
ClientSampleId :
TP-11

Quant Time: Nov 08 21:47:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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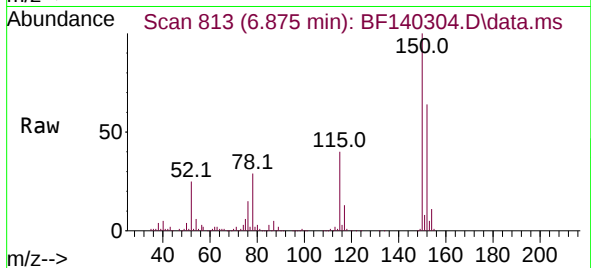
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

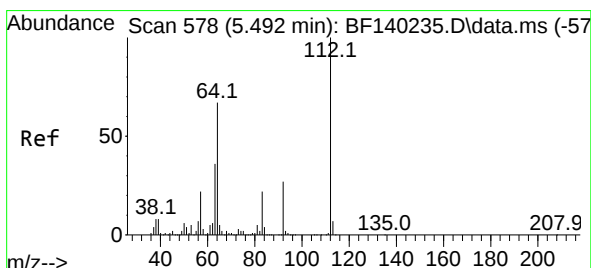
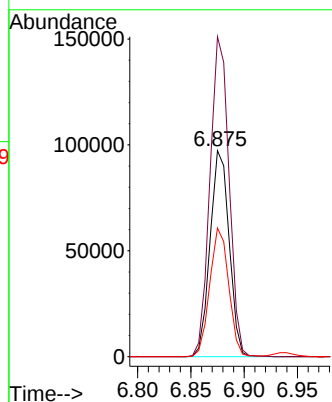
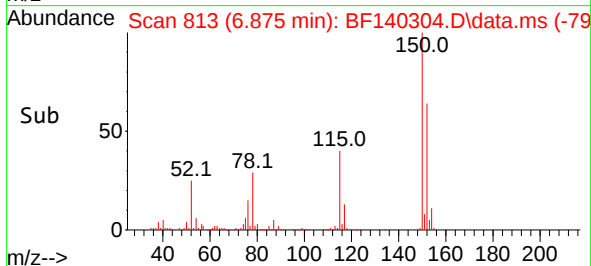
Instrument :
BNA_F
ClientSampleId :
TP-11



Tgt Ion:152 Resp: 120884
Ion Ratio Lower Upper
152 100
150 155.3 129.4 194.2
115 62.5 51.5 77.3

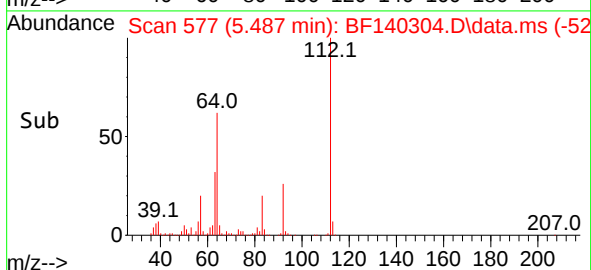
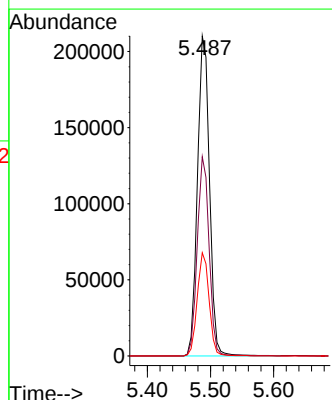
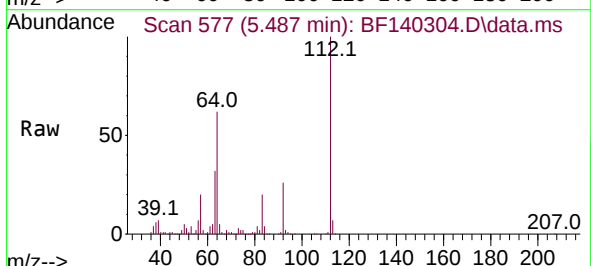
Manual Integrations
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#5
2-Fluorophenol
Concen: 38.133 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

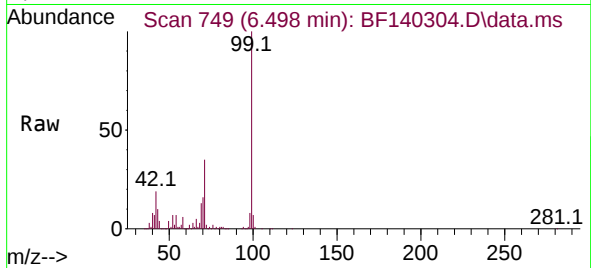
Tgt Ion:112 Resp: 278159
Ion Ratio Lower Upper
112 100
64 62.3 53.4 80.2
63 32.3 28.9 43.3





#7
Phenol-d6
Concen: 38.170 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

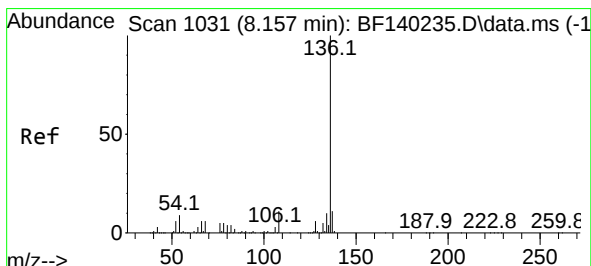
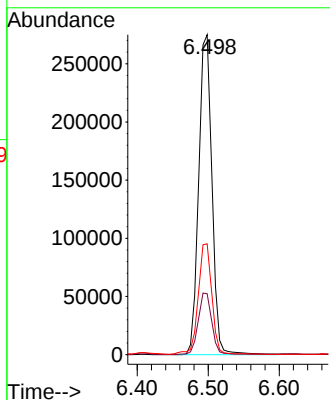
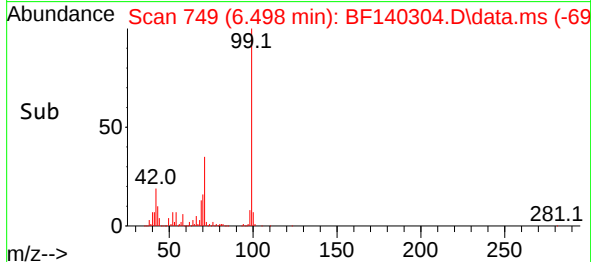
Instrument :
BNA_F
ClientSampleId :
TP-11



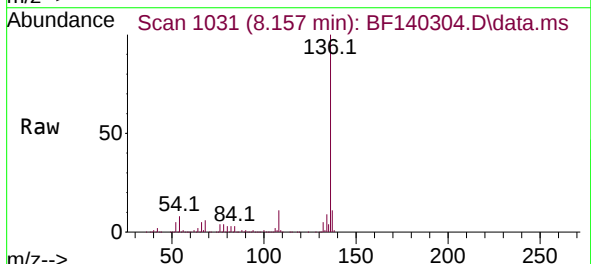
Tgt Ion: 99 Resp: 358130
Ion Ratio Lower Upper
99 100
42 19.1 18.2 27.2
71 34.7 30.9 46.3

Manual Integrations
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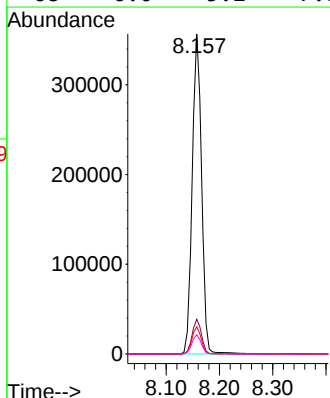
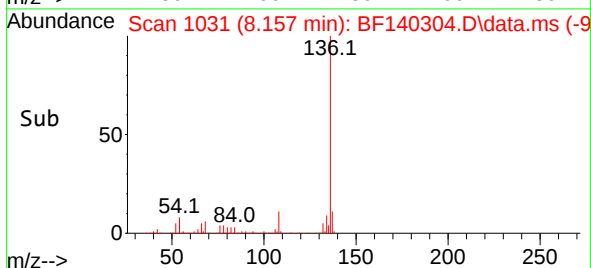
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

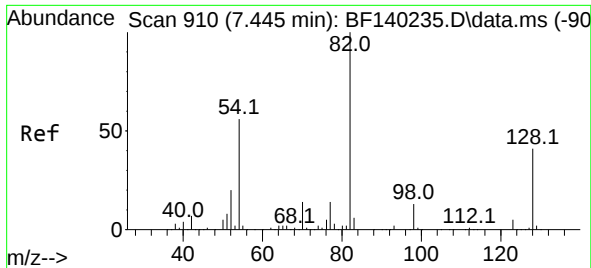


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36



Tgt Ion:136 Resp: 437838
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.5 7.7 11.5
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 25.065 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

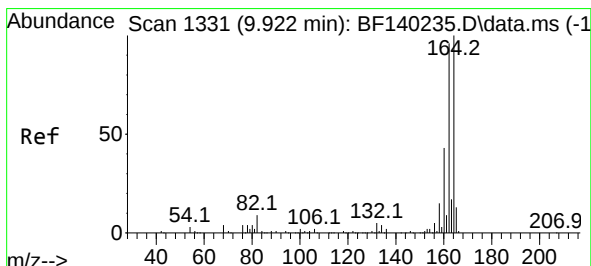
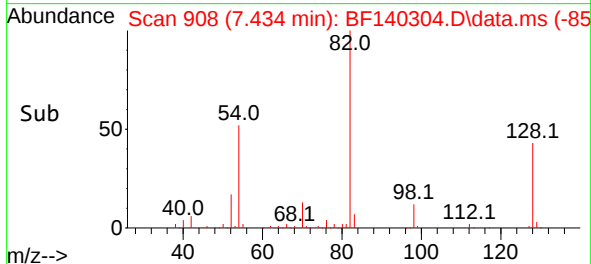
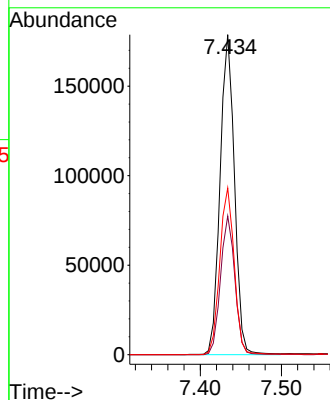
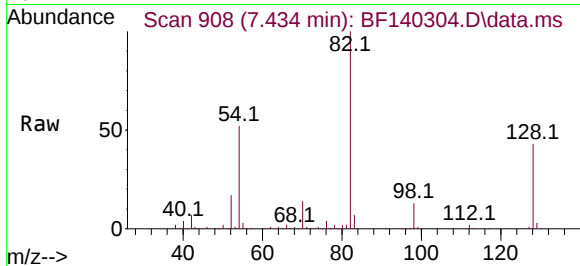
TP-11

Tgt Ion: 82 Resp: 220730
Ion Ratio Lower Upper
82 100
128 43.4 32.8 49.2
54 52.1 44.3 66.5

Manual Integrations

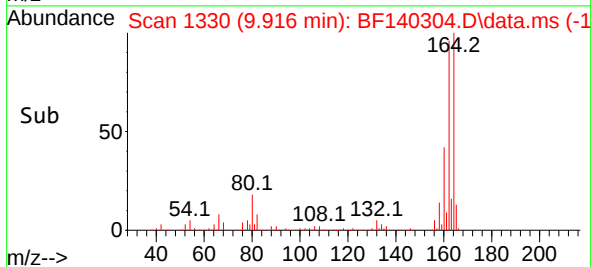
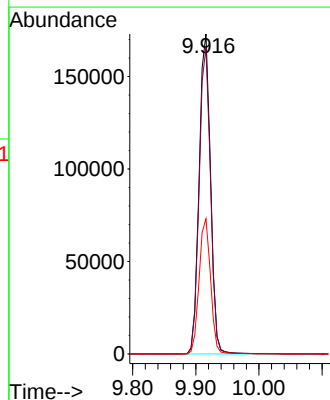
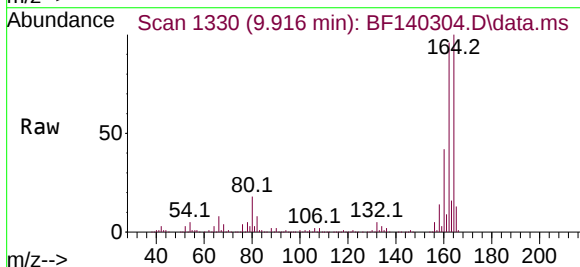
APPROVED

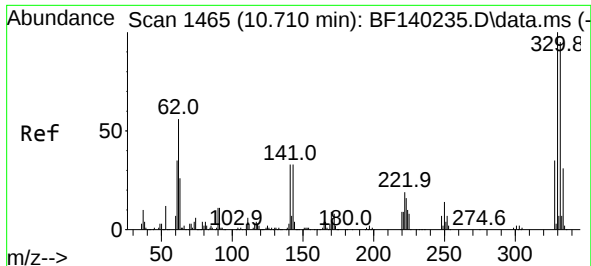
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion:164 Resp: 216596
Ion Ratio Lower Upper
164 100
162 95.6 77.0 115.4
160 42.2 34.1 51.1





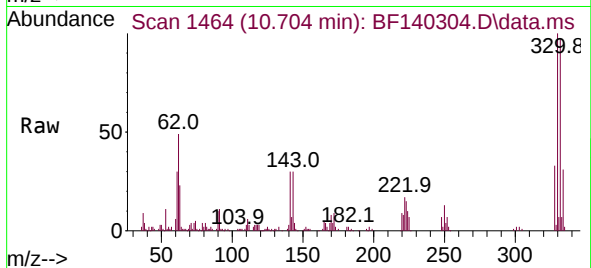
#42
2,4,6-Tribromophenol
Concen: 33.261 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11



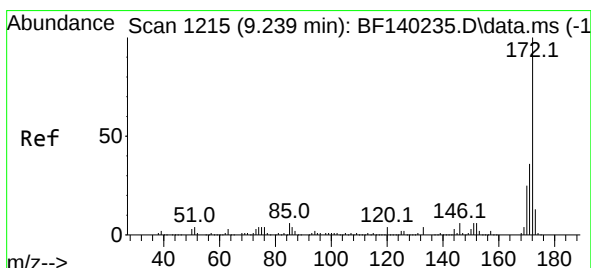
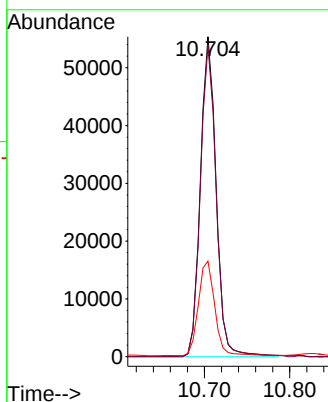
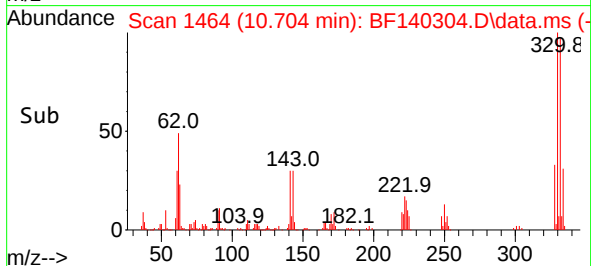
Tgt Ion: 330 Resp: 71209
Ion Ratio Lower Upper
330 100
332 97.4 76.4 114.6
141 31.3 27.0 40.4

Manual Integrations

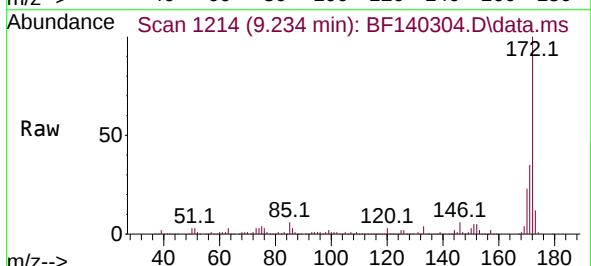
APPROVED

Reviewed By : Yogesh Patel 11/10/2024

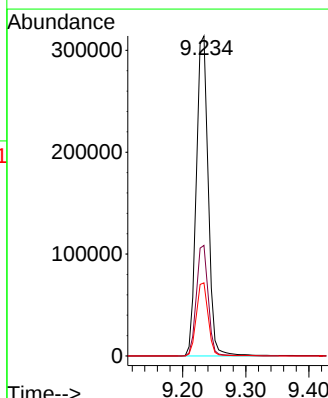
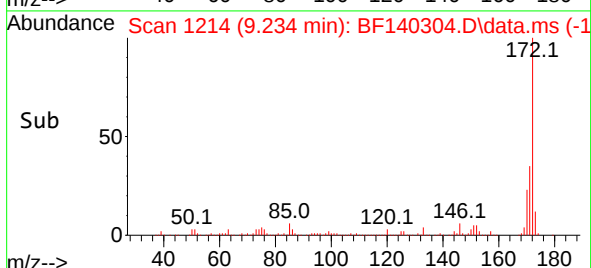
Supervised By : mohammad ahmed 11/11/2024

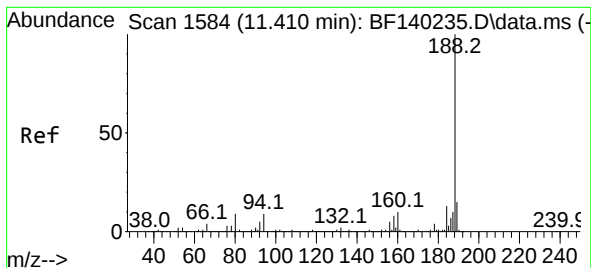


#45
2-Fluorobiphenyl
Concen: 30.324 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36



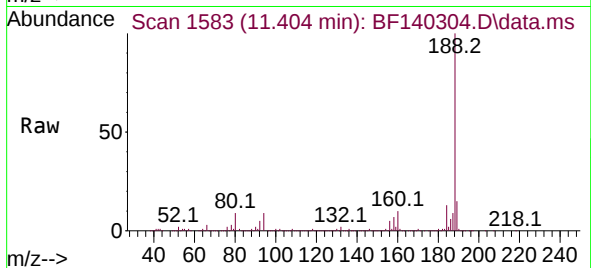
Tgt Ion: 172 Resp: 411319
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.8 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

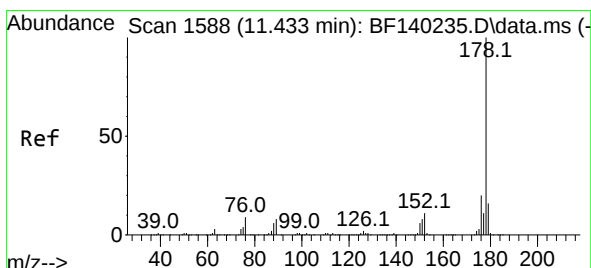
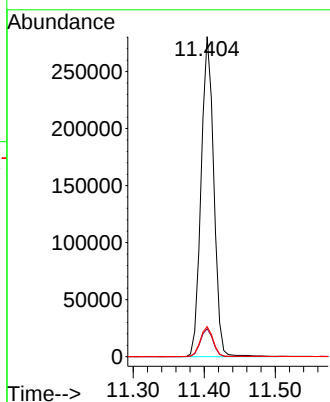
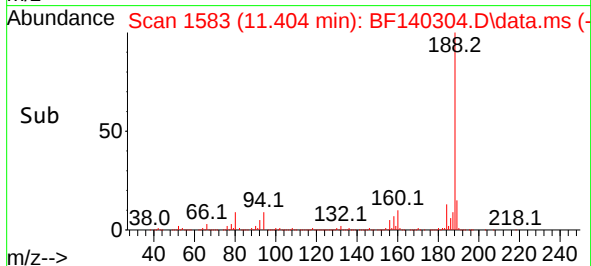
Instrument :
BNA_F
ClientSampleId :
TP-11



Tgt Ion:188 Resp: 349249
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.4 7.5 11.3

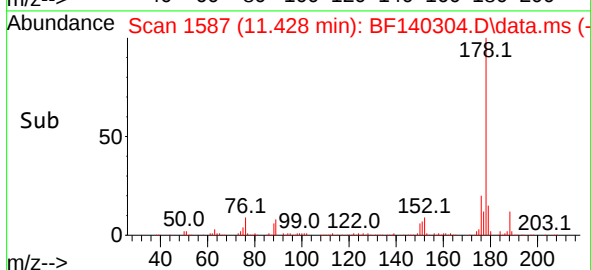
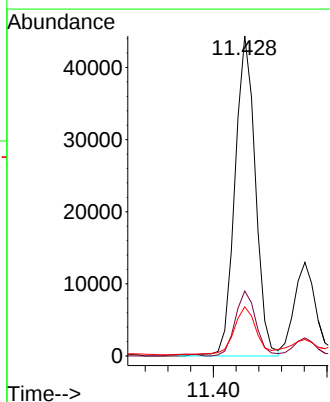
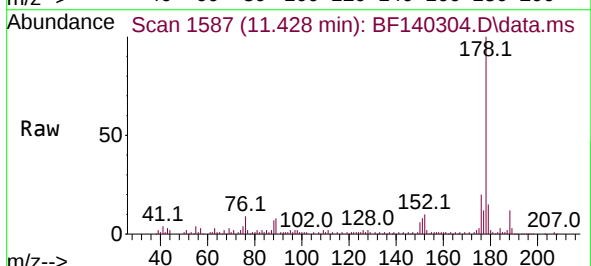
Manual Integrations
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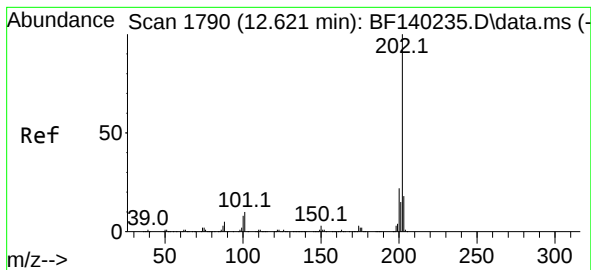
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 3.326 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

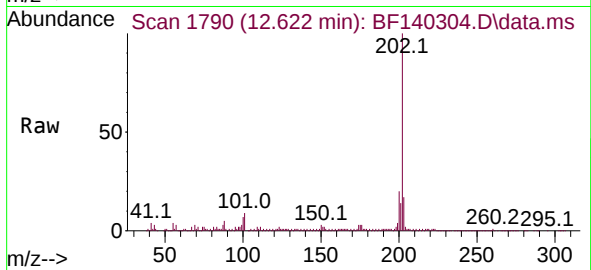
Tgt Ion:178 Resp: 55430
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.4 12.6 18.8





#75
Fluoranthene
Concen: 7.873 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

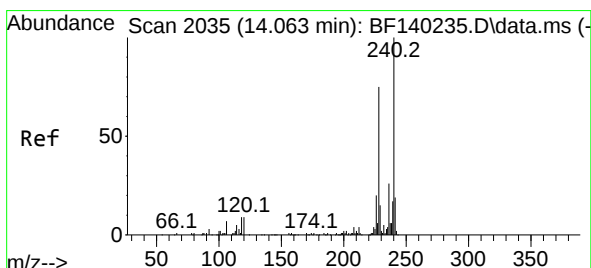
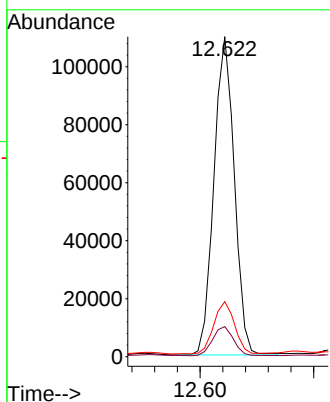
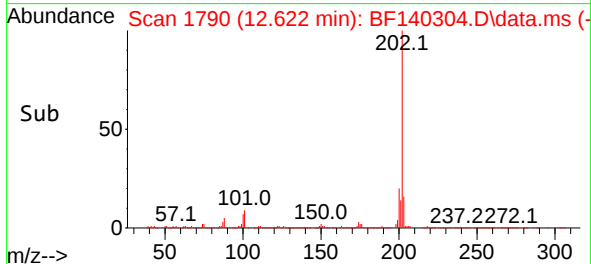
Instrument :
BNA_F
ClientSampleId :
TP-11



Tgt Ion:202 Resp: 13721
Ion Ratio Lower Upper
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101 9.4 0.0 30.4
203 17.2 0.0 38.0

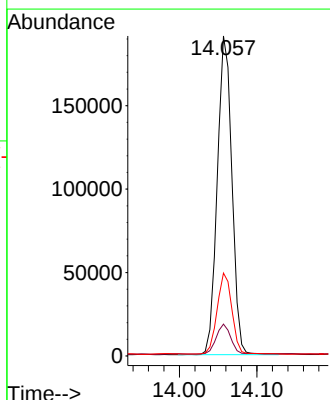
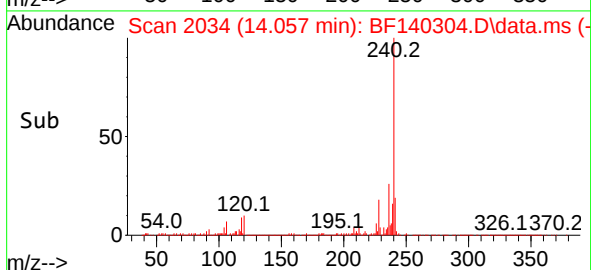
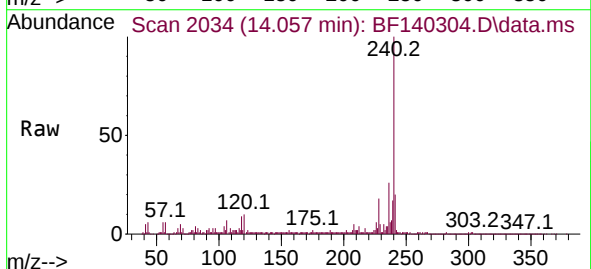
Manual Integrations
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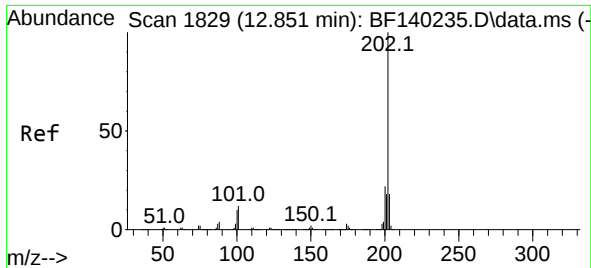
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

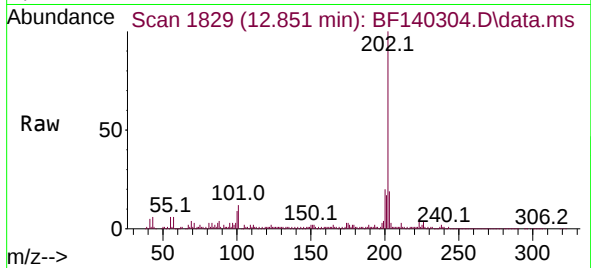
Tgt Ion:240 Resp: 251618
Ion Ratio Lower Upper
240 100
120 10.0 7.5 11.3
236 25.9 20.9 31.3





#78
Pyrene
Concen: 6.295 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

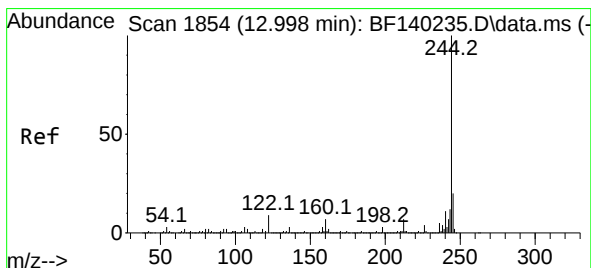
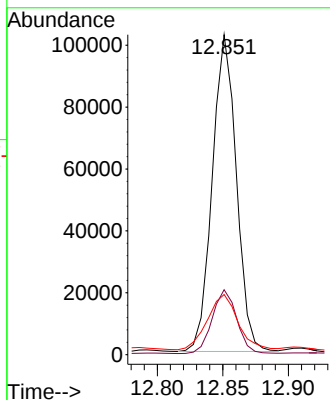
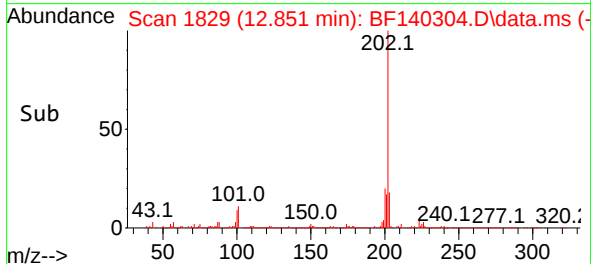
Instrument :
BNA_F
ClientSampleId :
TP-11



Tgt Ion:202 Resp: 130782
Ion Ratio Lower Upper
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200 20.3 17.5 26.3
203 18.8 14.4 21.6

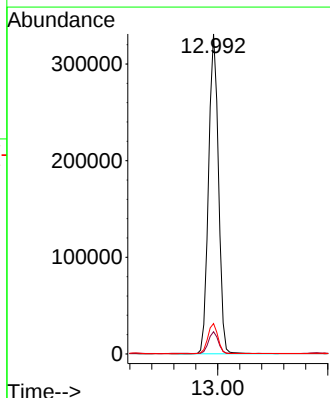
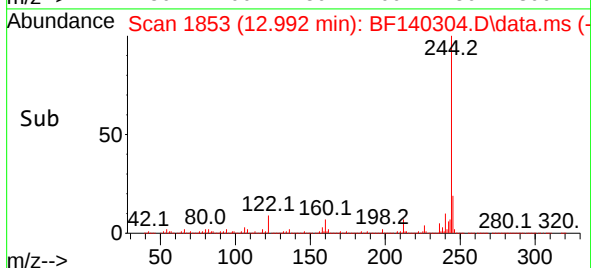
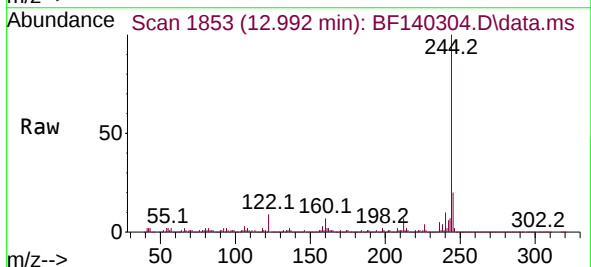
Manual Integrations
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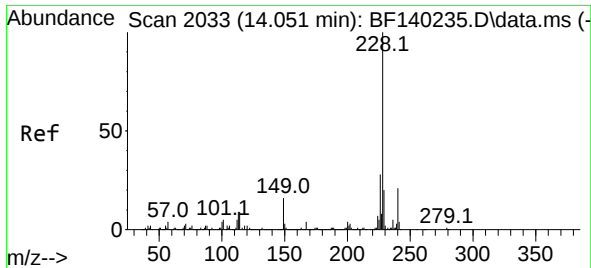
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#79
Terphenyl-d14
Concen: 26.865 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Tgt Ion:244 Resp: 412653
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.5 7.6 11.4





#81
Benzo(a)anthracene
Concen: 4.671 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

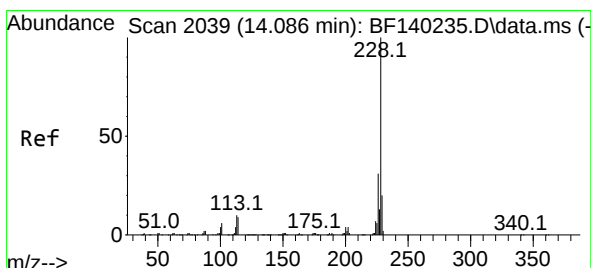
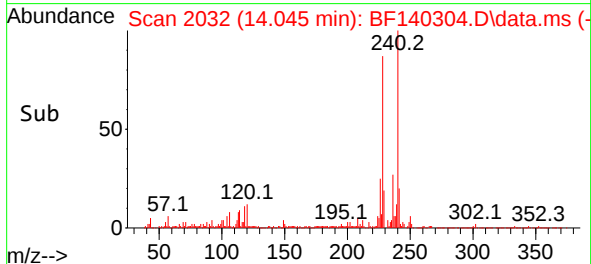
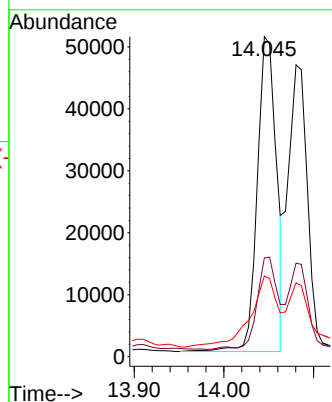
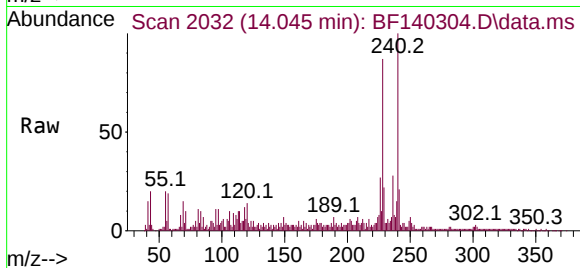
TP-11

Tgt Ion:228 Resp: 75420
Ion Ratio Lower Upper
228 100
226 30.9 22.3 33.5
229 25.2 16.1 24.1

Manual Integrations

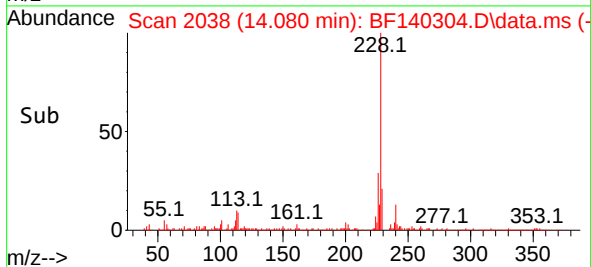
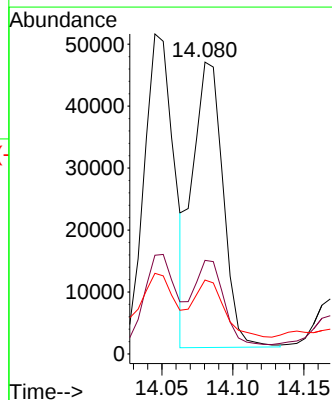
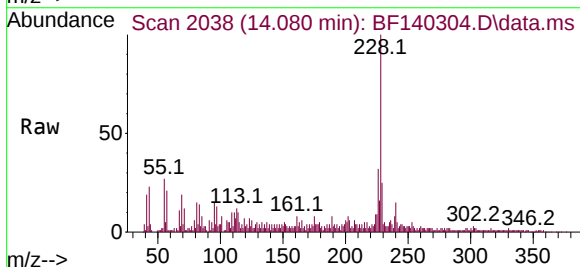
APPROVED

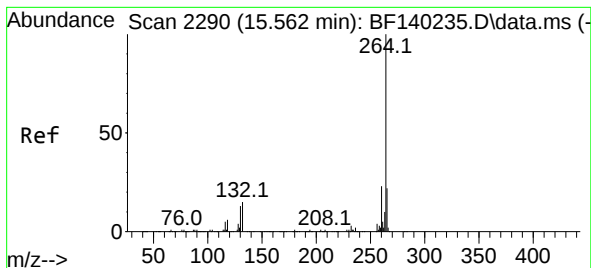
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#83
Chrysene
Concen: 4.536 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

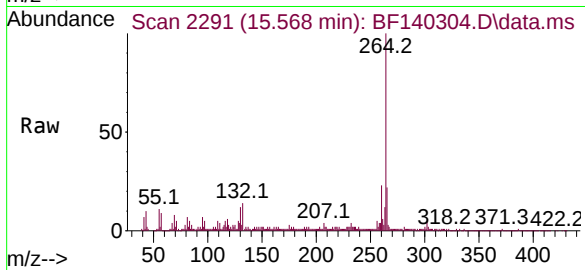
Tgt Ion:228 Resp: 68584
Ion Ratio Lower Upper
228 100
226 32.1 24.6 36.8
229 25.3 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

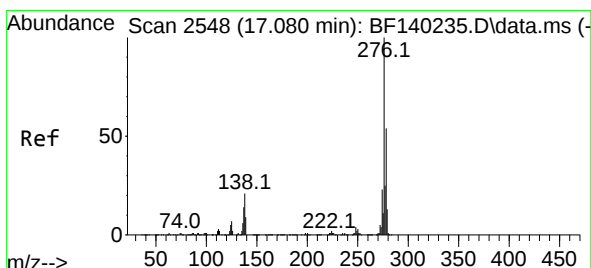
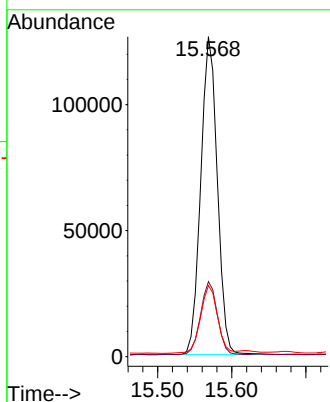
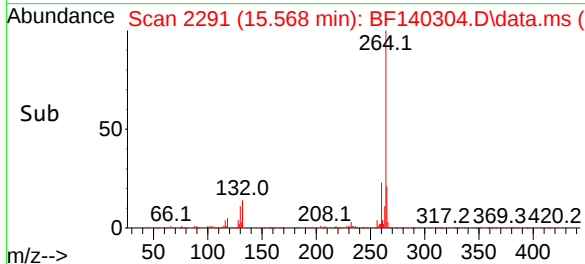
Instrument :
BNA_F
ClientSampleId :
TP-11



Tgt Ion:264 Resp: 196092
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 22.2 17.3 25.9

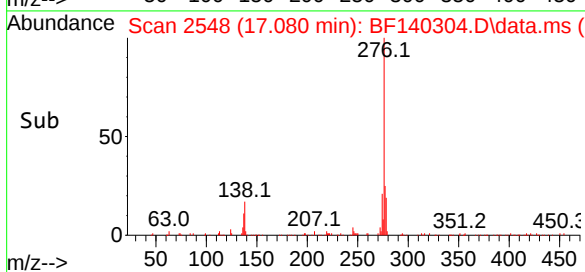
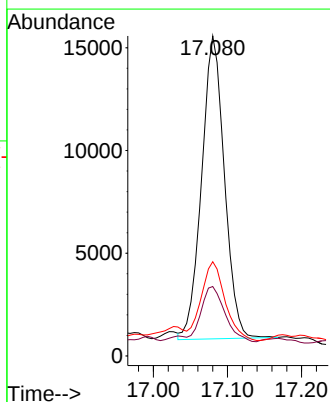
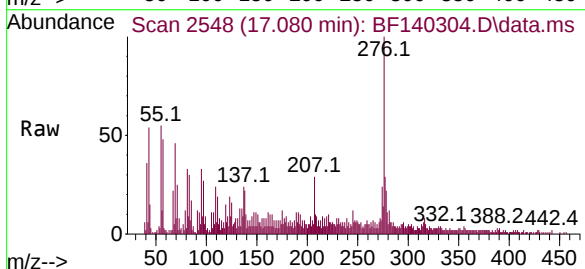
Manual Integrations
APPROVED

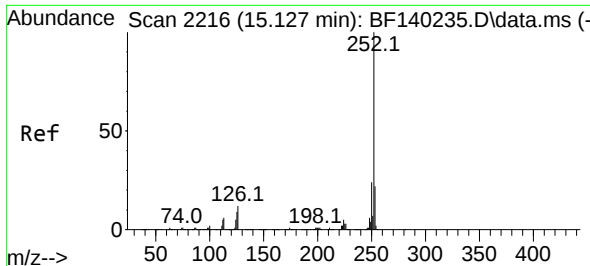
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.737 ng
RT: 17.080 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

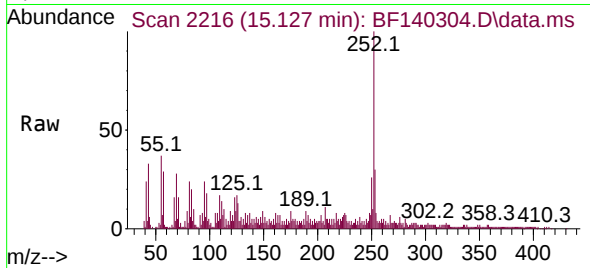
Tgt Ion:276 Resp: 31506
Ion Ratio Lower Upper
276 100
138 18.9 17.6 26.4
277 27.1 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 6.258 ng m
RT: 15.127 min Scan# 2216
Delta R.T. 0.000 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36

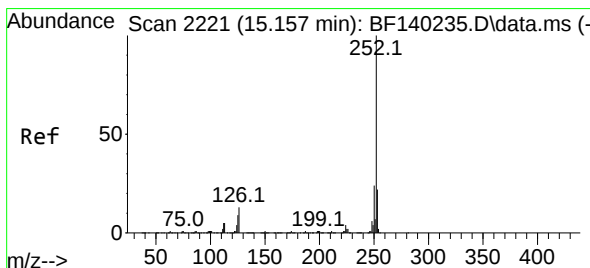
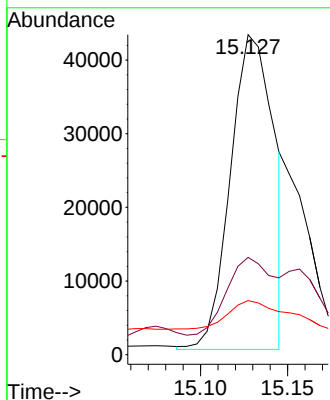
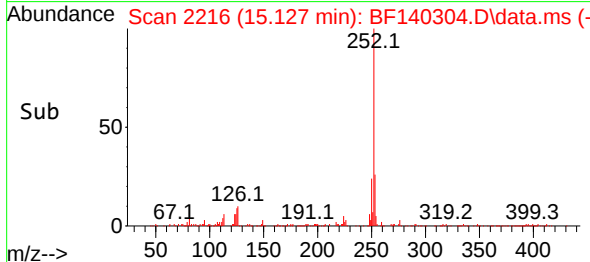
Instrument :
BNA_F
ClientSampleId :
TP-11



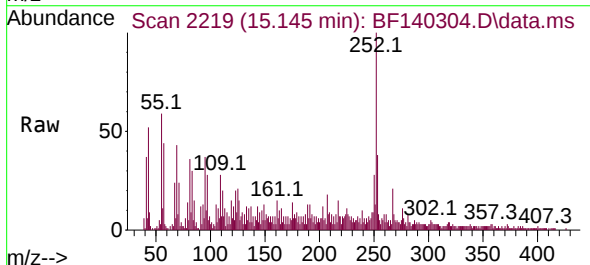
Tgt Ion:252 Resp: 7422
Ion Ratio Lower Upper
252 100
253 30.4 17.9 26.9
125 16.9 7.0 10.6

Manual Integrations
APPROVED

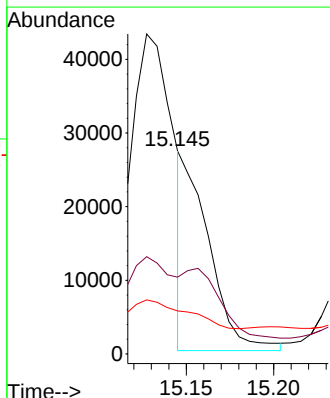
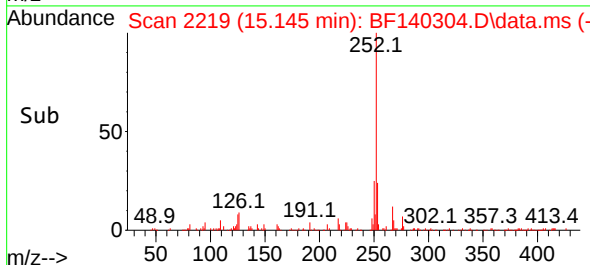
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

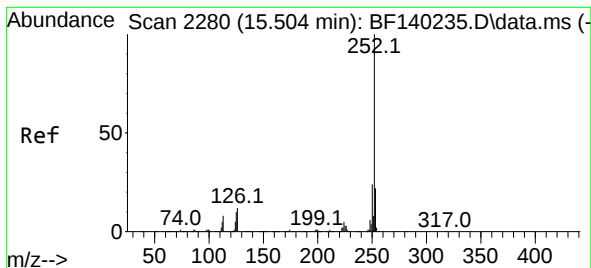


#89
Benzo(k)fluoranthene
Concen: 2.577 ng m
RT: 15.145 min Scan# 2219
Delta R.T. -0.012 min
Lab File: BF140304.D
Acq: 08 Nov 2024 17:36



Tgt Ion:252 Resp: 28043
Ion Ratio Lower Upper
252 100
253 37.9 17.8 26.8#
125 21.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.451 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Instrument :

BNA_F

ClientSampleId :

TP-11

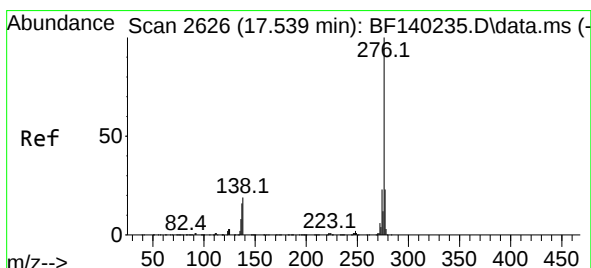
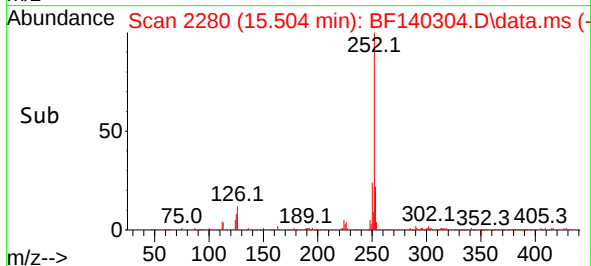
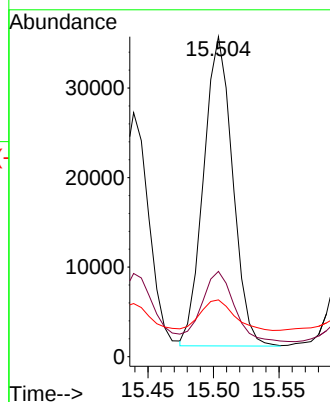
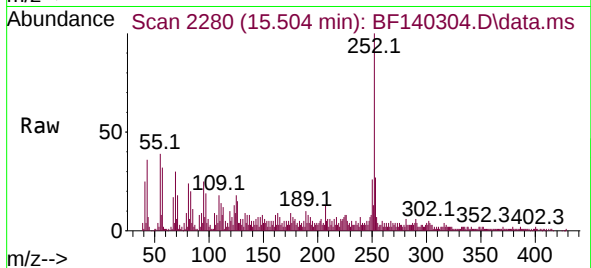
Tgt Ion:	252	Resp:	53308
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.4	26.0
125	17.8	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#92

Benzo(g,h,i)perylene

Concen: 3.472 ng

RT: 17.539 min Scan# 2626

Delta R.T. 0.000 min

Lab File: BF140304.D

Acq: 08 Nov 2024 17:36

Tgt Ion:	276	Resp:	33546
Ion Ratio	Lower	Upper	
276	100		
277	29.6	18.8	28.2
138	21.8	15.3	22.9

