

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140043.D
 Acq On : 25 Oct 2024 17:53
 Operator : RC/JU
 Sample : P4512-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Manual Integrations
 APPROVED

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

Quant Time: Oct 25 18:16:44 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	6.886	152	97074	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	365120	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	188796	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	278132	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212386	20.000	ng	0.00
86) Perylene-d12	15.527	264	237460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	585670	94.450	ng	0.00
7) Phenol-d6	6.504	99	729586	90.845	ng	0.00
23) Nitrobenzene-d5	7.445	82	493157	74.859	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	173239	98.100	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	911187	79.764	ng	0.00
79) Terphenyl-d14	12.992	244	756961	58.076	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	162423	12.363	ng	99
72) Anthracene	11.486	178	38027	2.967	ng	98
75) Fluoranthene	12.621	202	275949	20.777	ng	99
78) Pyrene	12.851	202	237254	12.762	ng	99
81) Benzo(a)anthracene	14.039	228	145585	10.530	ng	97
83) Chrysene	14.074	228	124156	9.794	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	64374	4.214	ng	95
88) Benzo(b)fluoranthene	15.098	252	185983m	12.857	ng	
89) Benzo(k)fluoranthene	15.109	252	70400m	5.643	ng	
90) Benzo(a)pyrene	15.462	252	123013	10.335	ng	99
92) Benzo(g,h,i)perylene	17.468	276	59079	4.641	ng	97

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

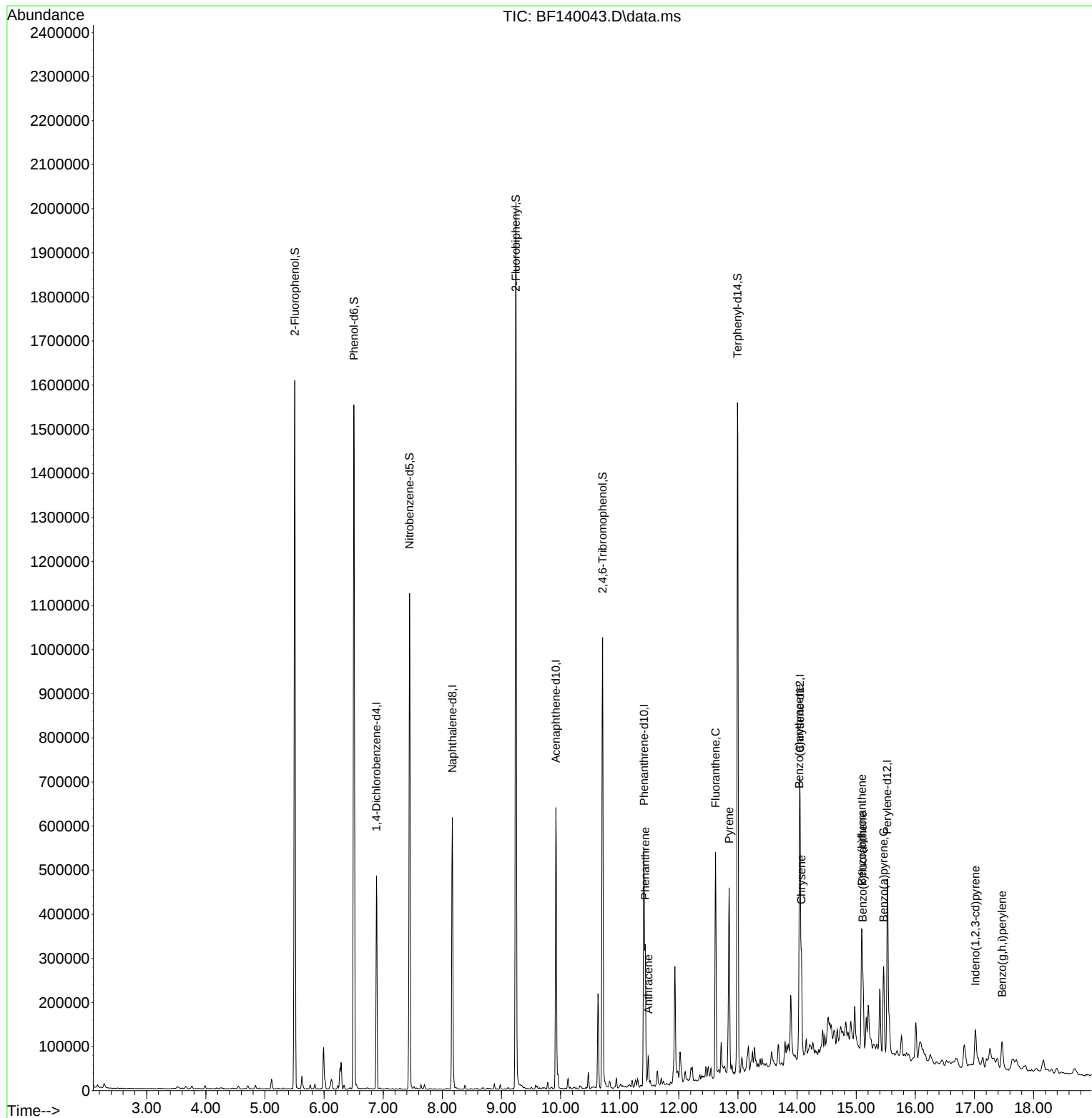
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
Data File : BF140043.D
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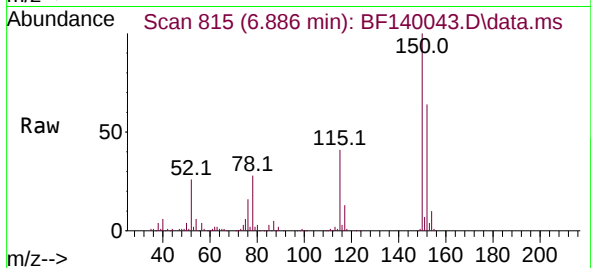
Quant Time: Oct 25 18:16:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

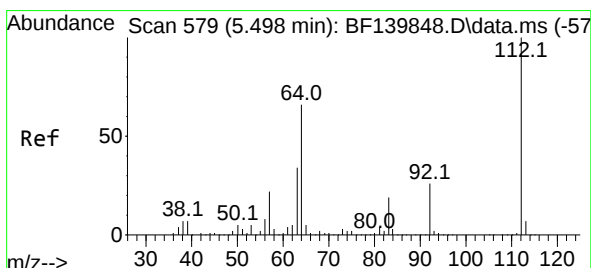
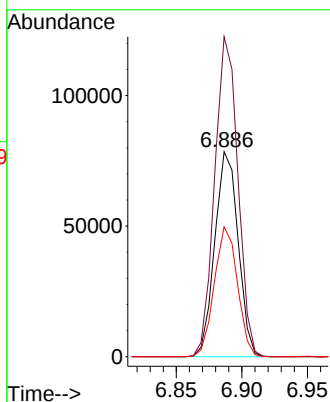
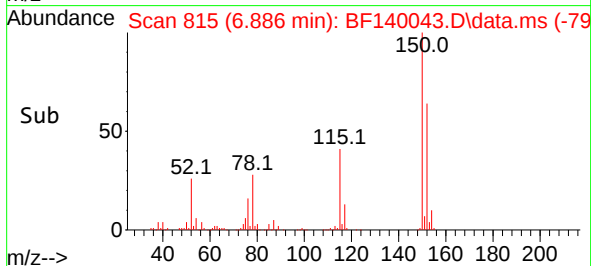
Instrument :
BNA_F
ClientSampleId :
VNJ-212



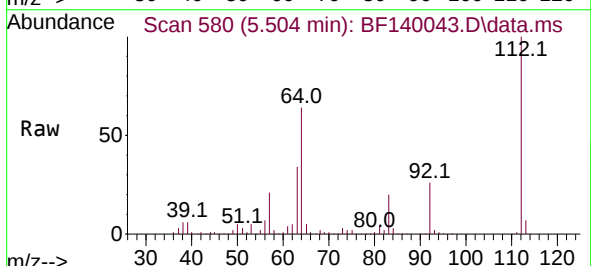
Tgt Ion:152 Resp: 97074
Ion Ratio Lower Upper
152 100
150 156.1 130.2 195.2
115 63.3 51.4 77.2

Manual Integrations
APPROVED

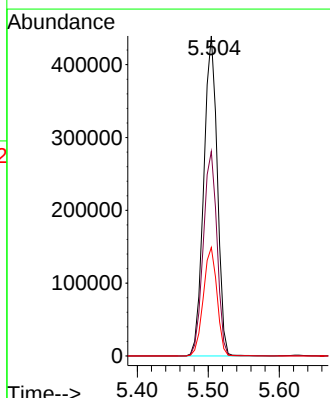
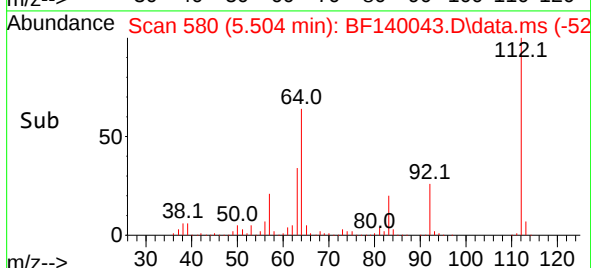
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

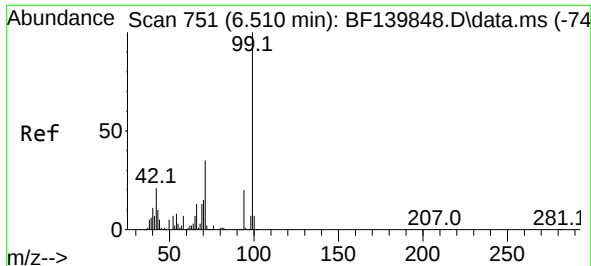


#5
2-Fluorophenol
Concen: 94.450 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53



Tgt Ion:112 Resp: 585670
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 33.9 27.0 40.4





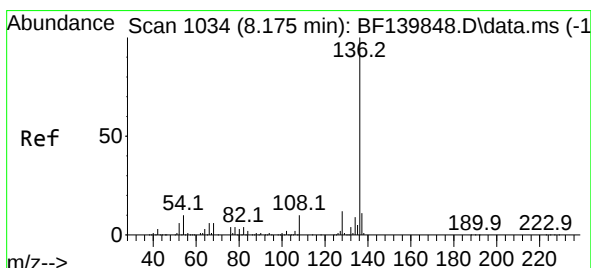
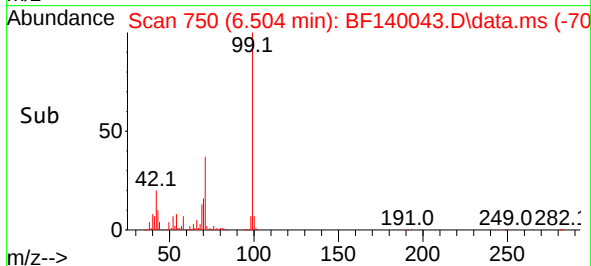
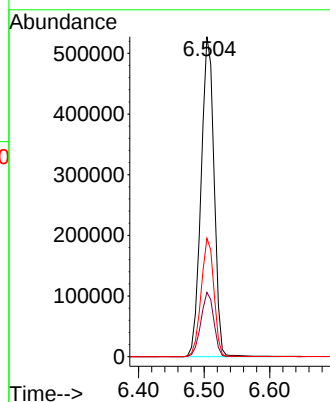
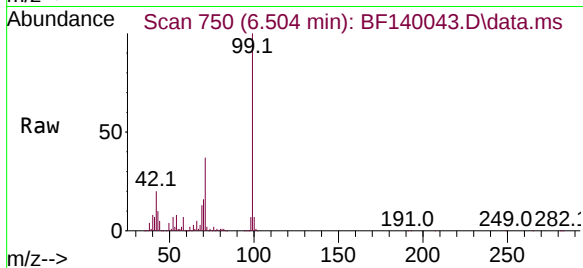
#7
Phenol-d6
Concen: 90.845 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion: 99 Resp: 729580
Ion Ratio Lower Upper
99 100
42 20.1 16.7 25.1
71 37.0 27.7 41.5

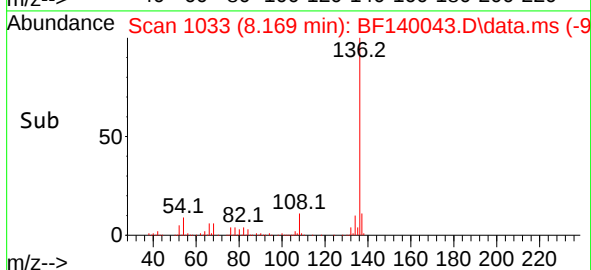
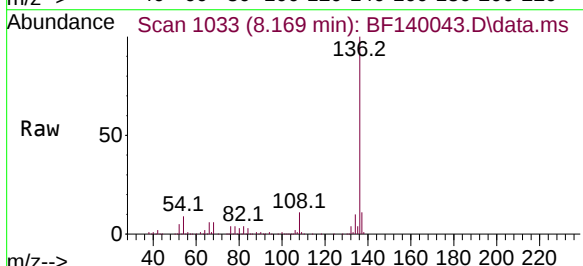
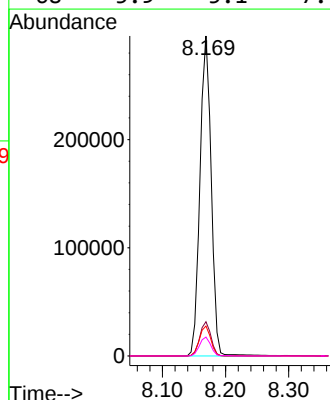
Manual Integrations
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Supervised By :mohammad ahmed 10/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:136 Resp: 365120
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.3 8.4 12.6
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 74.859 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

Tgt Ion: 82 Resp: 49315

Ion Ratio Lower Upper

82 100

128 42.4 33.4 50.0

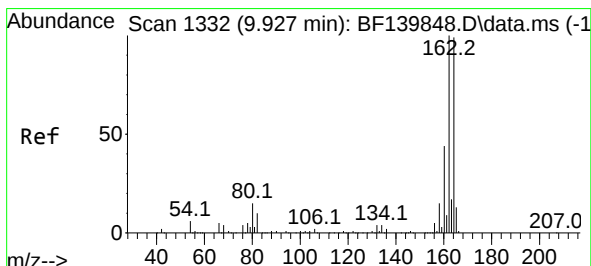
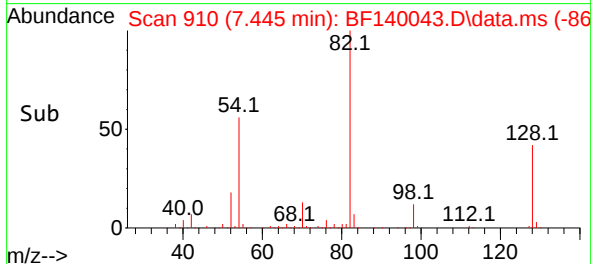
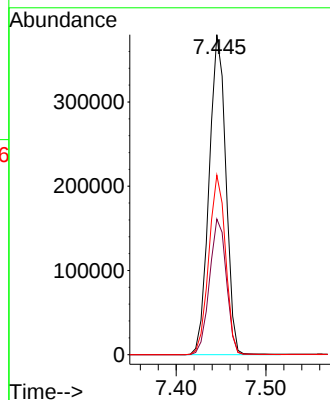
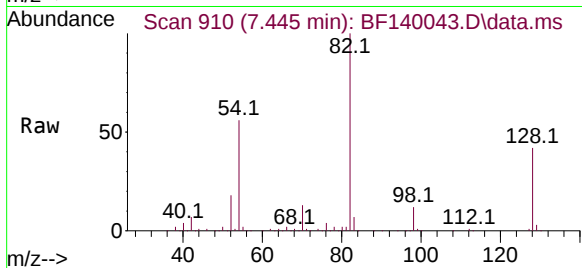
54 56.1 47.8 71.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

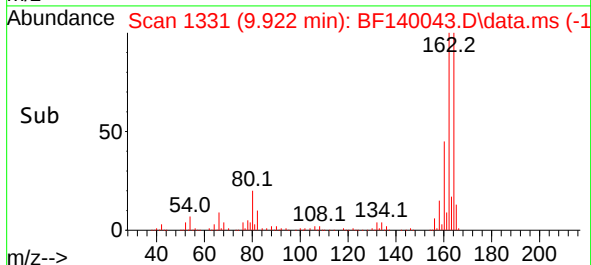
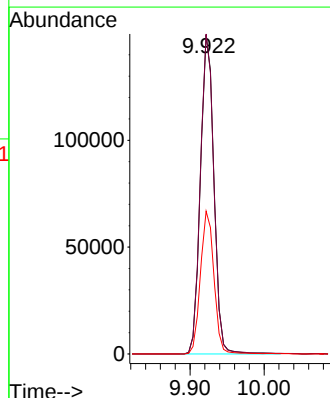
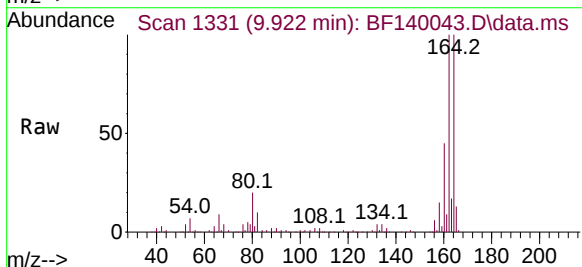
Tgt Ion:164 Resp: 188796

Ion Ratio Lower Upper

164 100

162 100.3 81.0 121.4

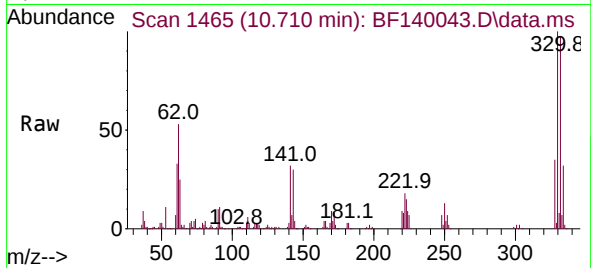
160 44.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 98.100 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

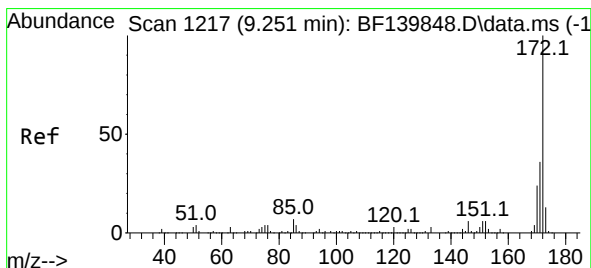
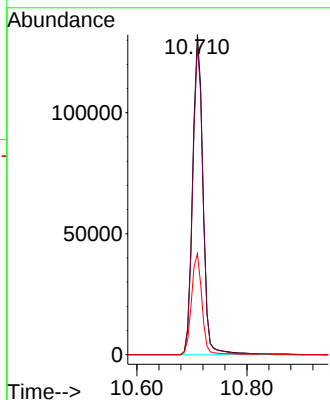
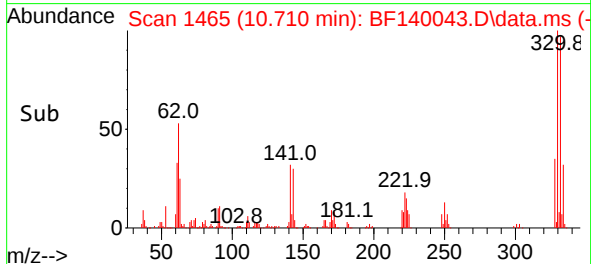
Instrument :
BNA_F
ClientSampleId :
VNJ-212



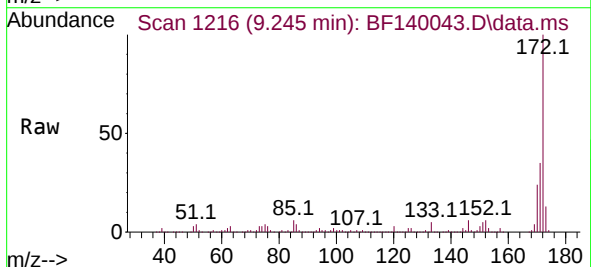
Tgt Ion:330 Resp: 173239
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 31.8 26.6 39.8

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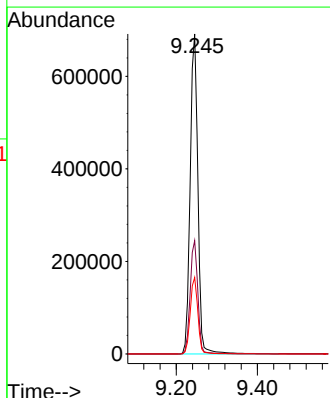
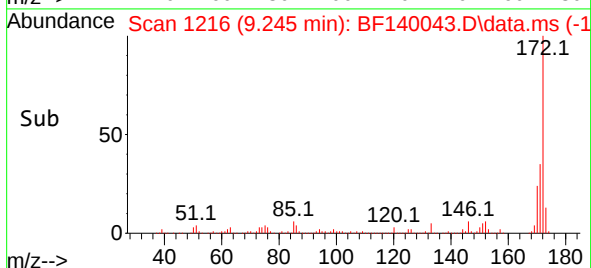
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#45
2-Fluorobiphenyl
Concen: 79.764 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53



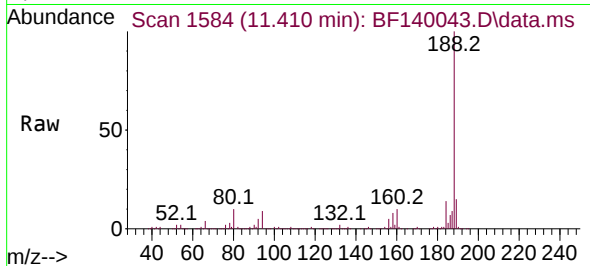
Tgt Ion:172 Resp: 911187
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

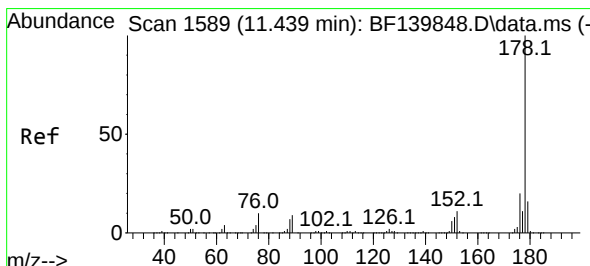
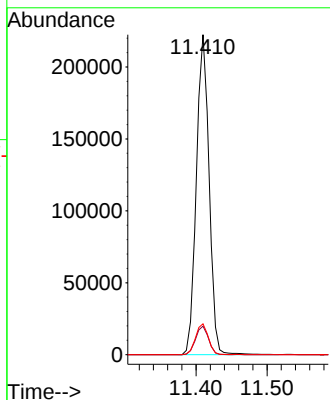
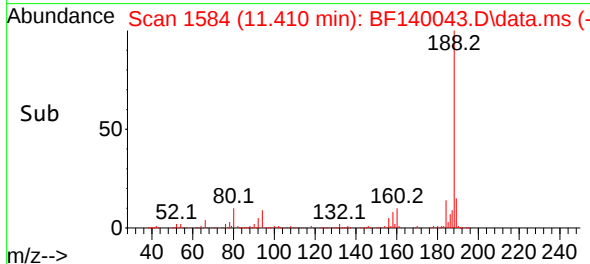
Instrument :
BNA_F
ClientSampleId :
VNJ-212



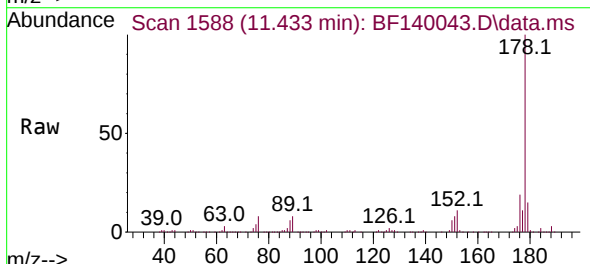
Tgt Ion:188 Resp: 27813
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.7 9.0 13.4

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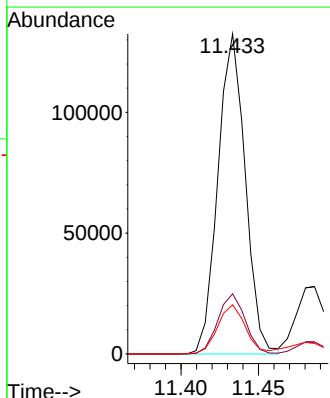
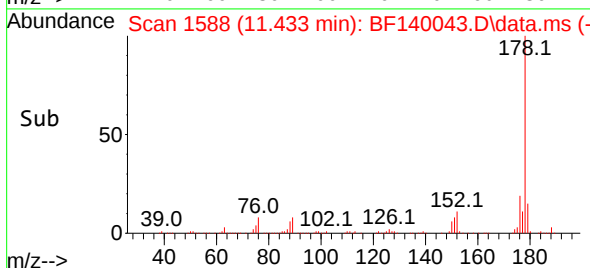
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024

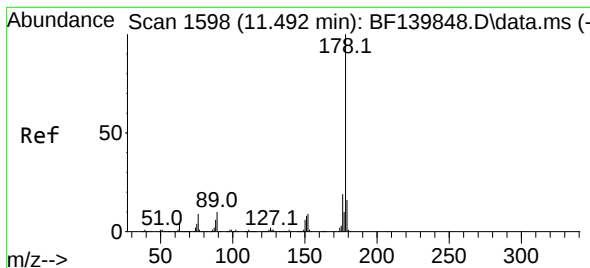


#71
Phenanthrene
Concen: 12.363 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53



Tgt Ion:178 Resp: 162423
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.3 12.6 18.8





#72

Anthracene

Concen: 2.967 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

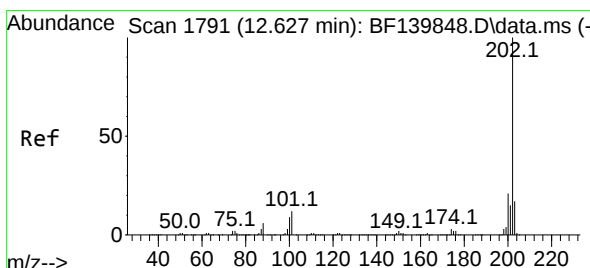
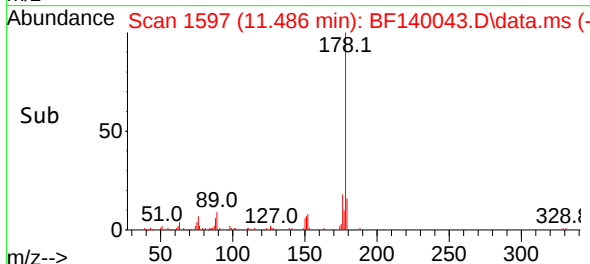
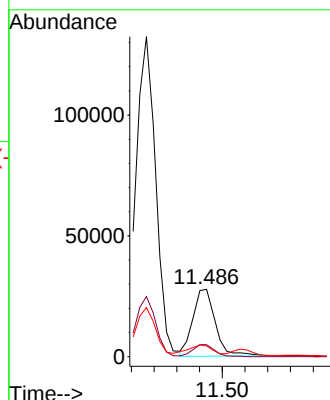
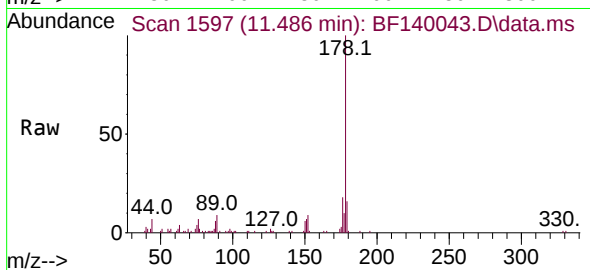
Tgt Ion:178	Resp:	3802
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.3 22.9
179	16.0	12.4 18.6

Manual Integrations

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#75

Fluoranthene

Concen: 20.777 ng

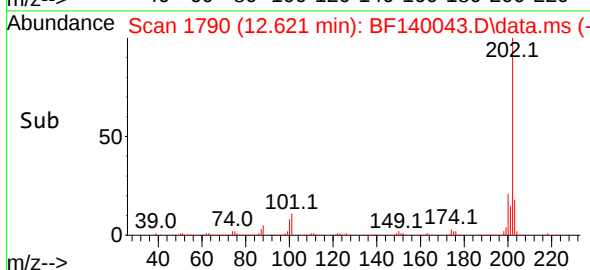
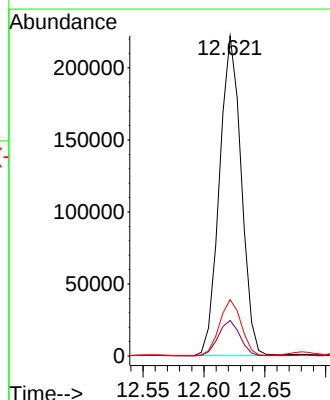
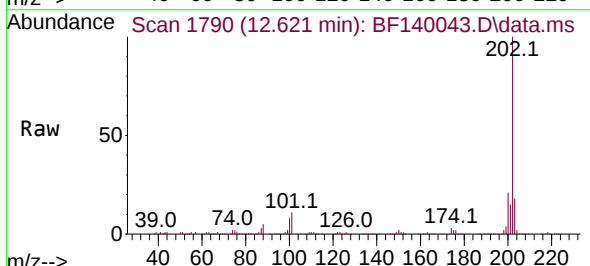
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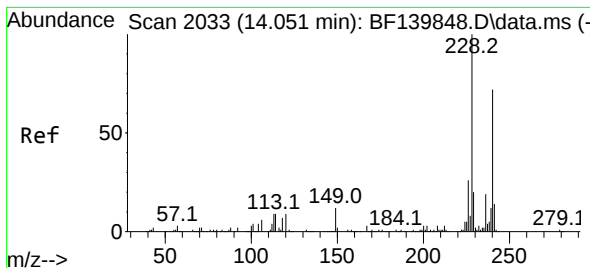
Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Tgt Ion:202	Resp:	275949
Ion Ratio	Lower	Upper
202	100	
101	11.1	0.0 31.9
203	17.6	0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140043.D

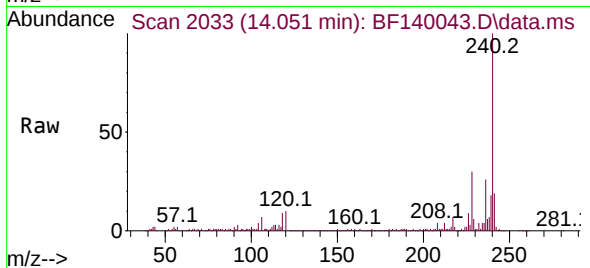
Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212



Tgt Ion:240 Resp: 212380

Ion Ratio Lower Upper

240 100

120 9.8 9.4 14.2

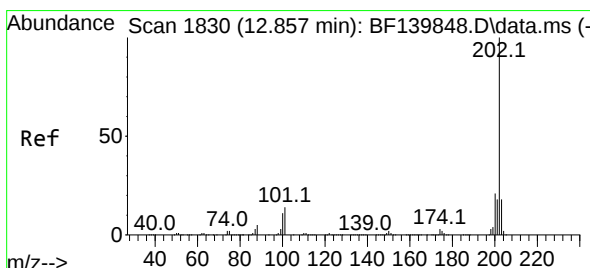
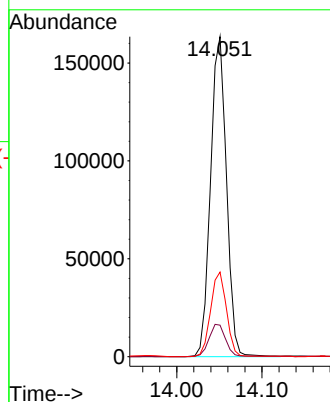
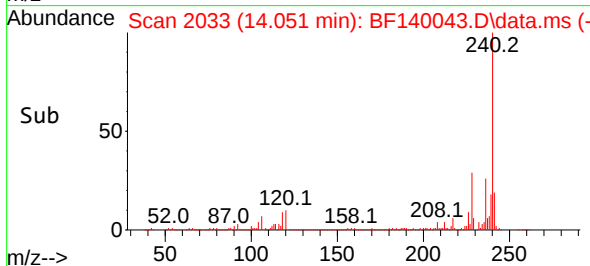
236 26.4 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#78

Pyrene

Concen: 12.762 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

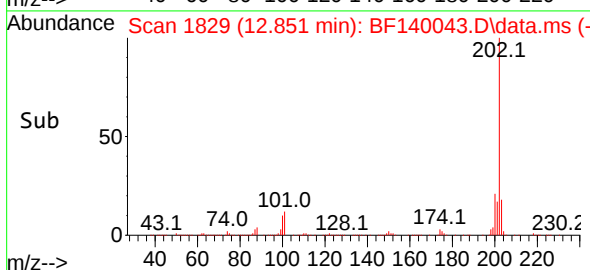
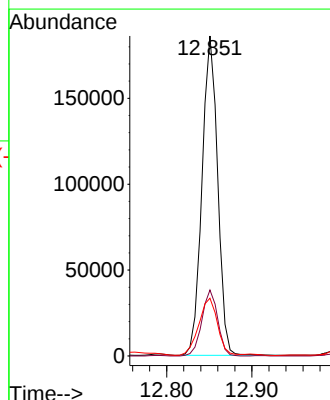
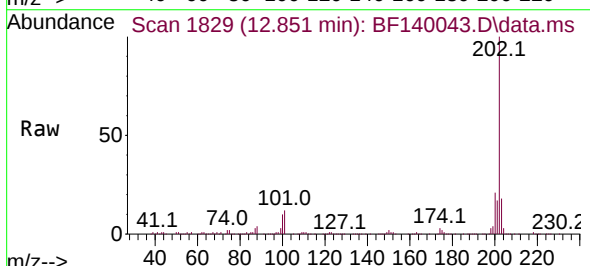
Tgt Ion:202 Resp: 237254

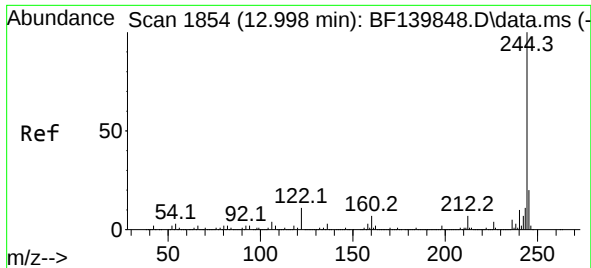
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 18.0 14.2 21.4





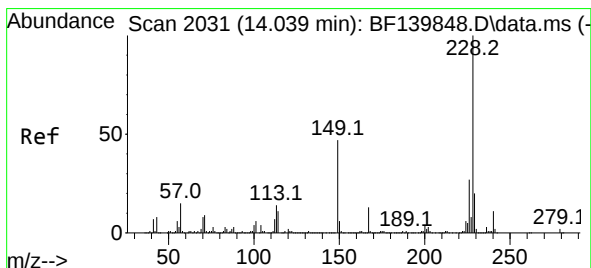
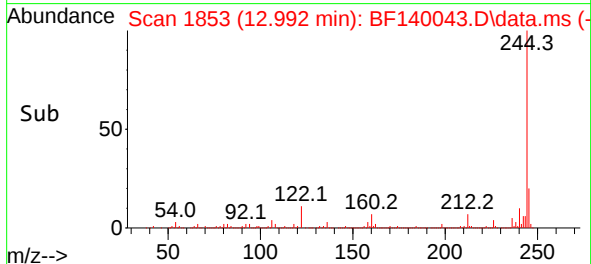
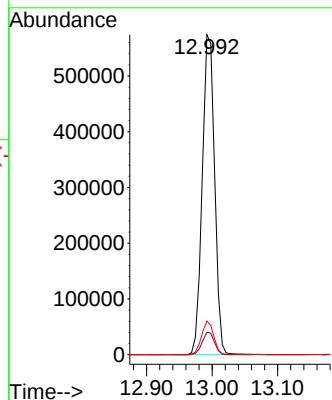
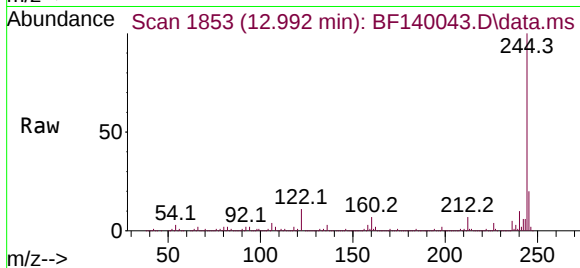
#79
Terphenyl-d14
Concen: 58.076 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion:244 Resp: 75696
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.5 8.6 13.0

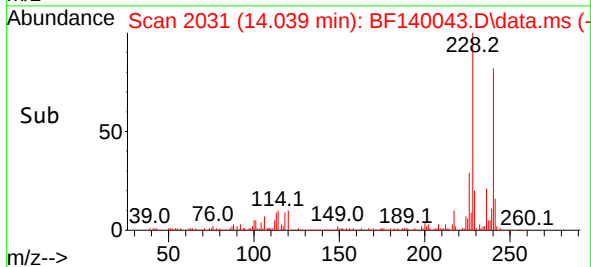
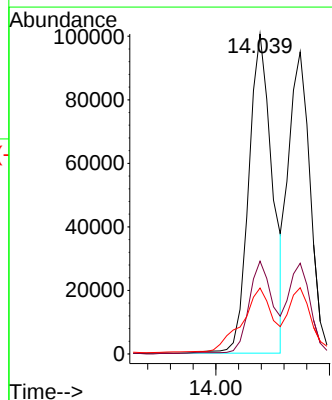
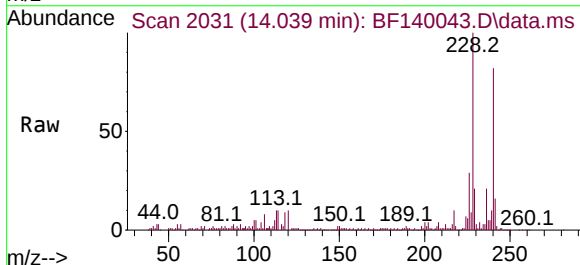
Manual Integrations
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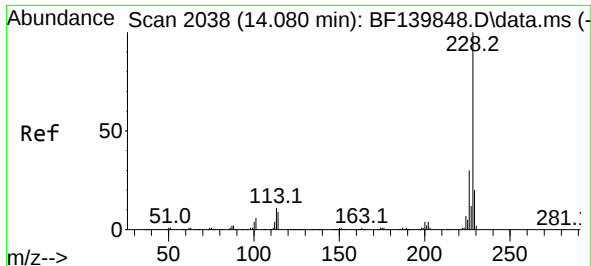
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#81
Benzo(a)anthracene
Concen: 10.530 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

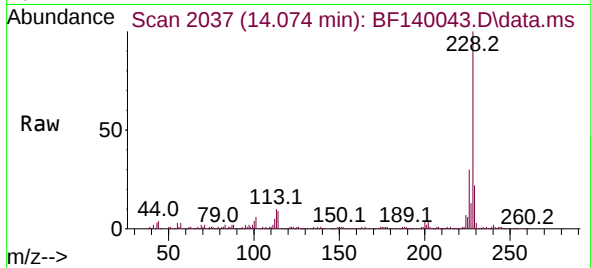
Tgt Ion:228 Resp: 145585
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 20.6 16.1 24.1





#83
Chrysene
Concen: 9.794 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

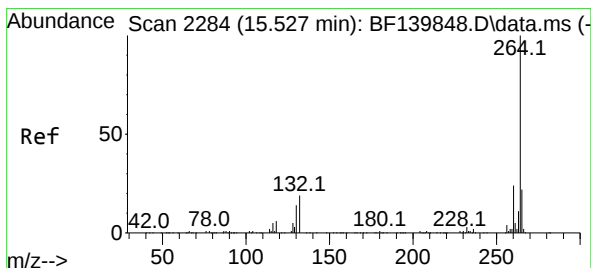
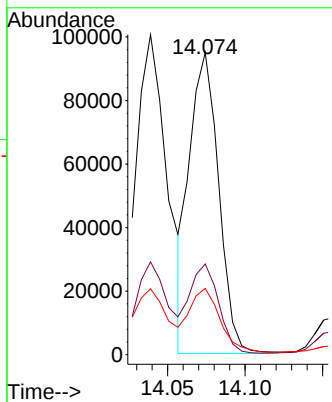
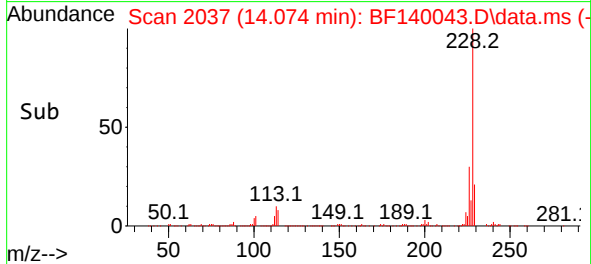
Instrument :
BNA_F
ClientSampleId :
VNJ-212



Tgt Ion:228 Resp: 124150
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.9 15.8 23.6

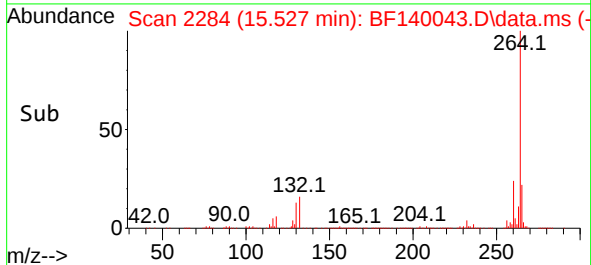
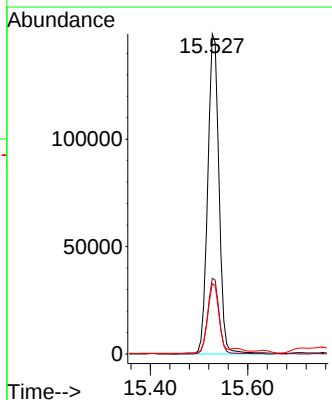
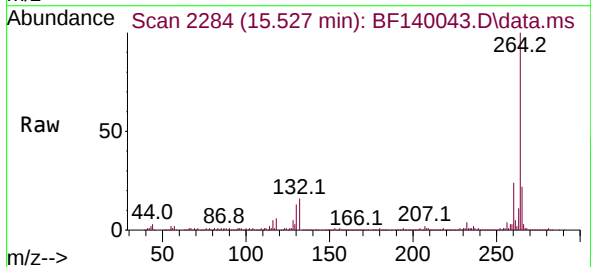
Manual Integrations
APPROVED

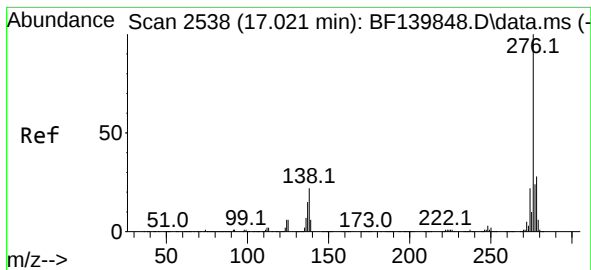
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:264 Resp: 237460
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.214 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

Tgt Ion:276 Resp: 64374

Ion Ratio Lower Upper

276 100

138 21.1 20.4 30.6

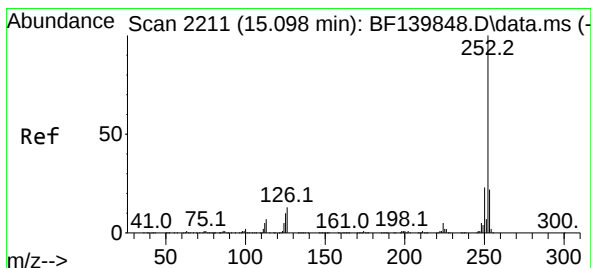
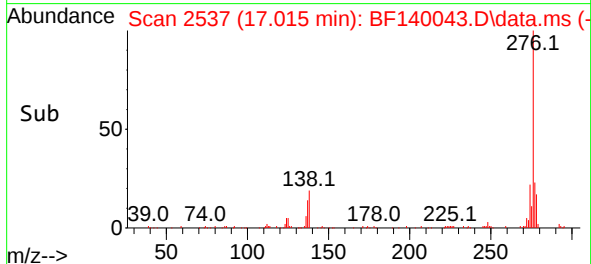
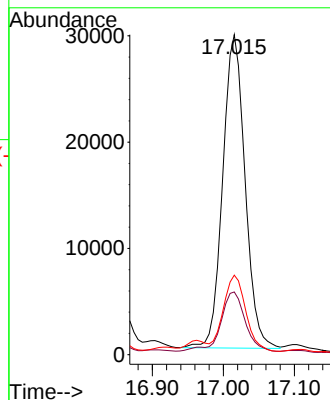
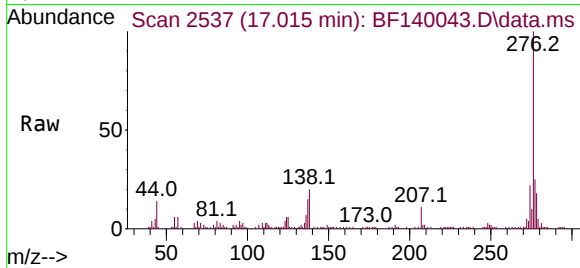
277 24.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/28/2024



#88

Benzo(b)fluoranthene

Concen: 12.857 ng m

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

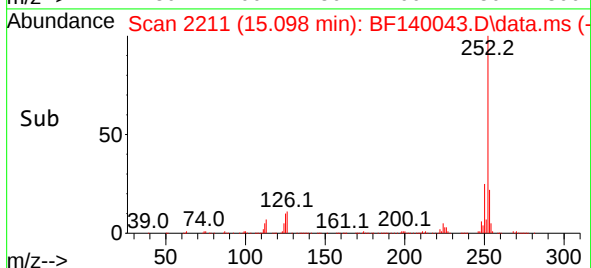
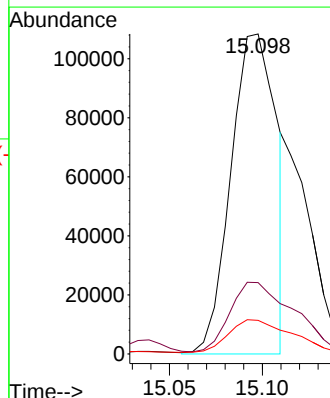
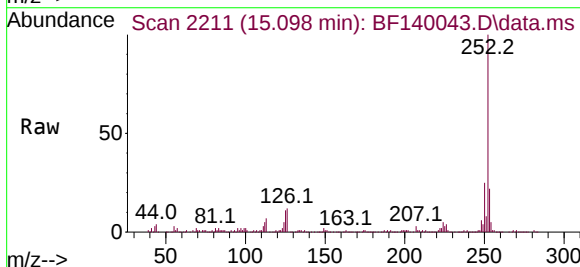
Tgt Ion:252 Resp: 185983

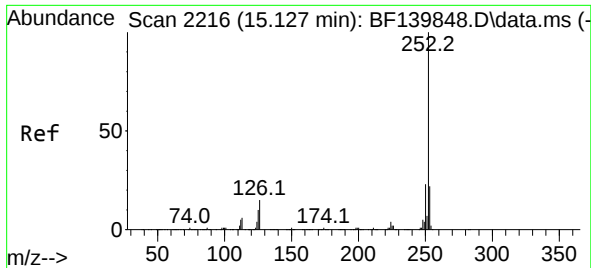
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

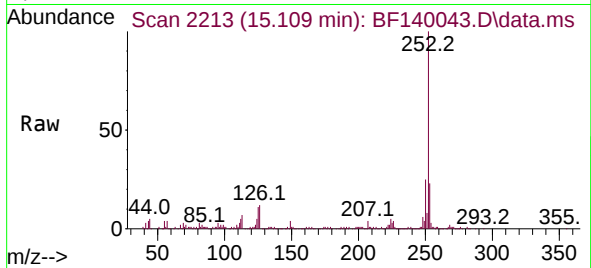
125 10.5 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 5.643 ng m
RT: 15.109 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

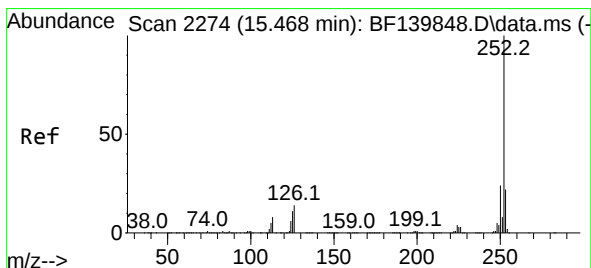
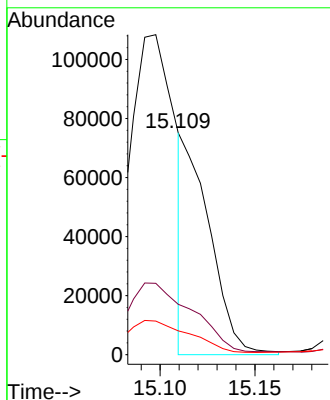
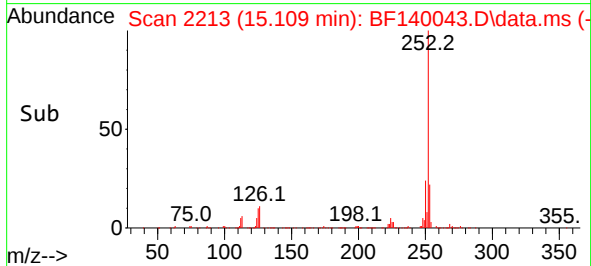
Instrument :
BNA_F
ClientSampleId :
VNJ-212



Tgt Ion:252 Resp: 70400
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 10.7 7.9 11.9

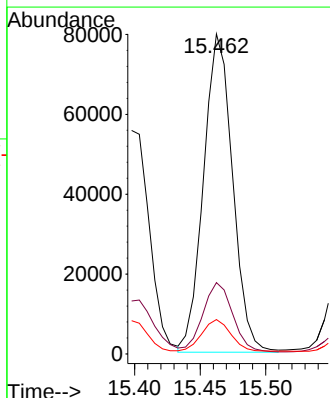
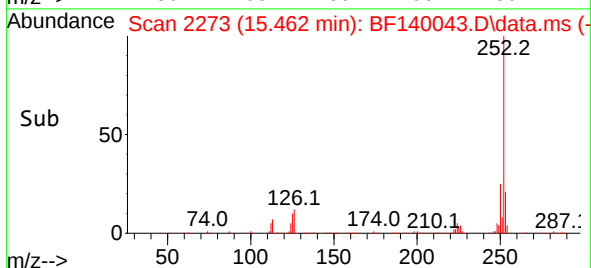
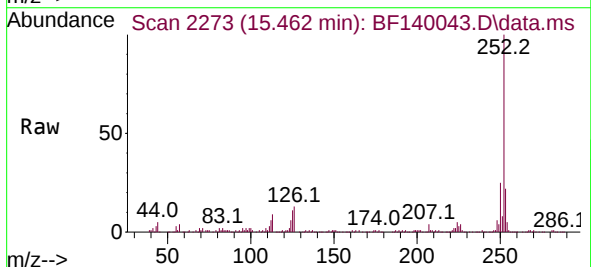
Manual Integrations
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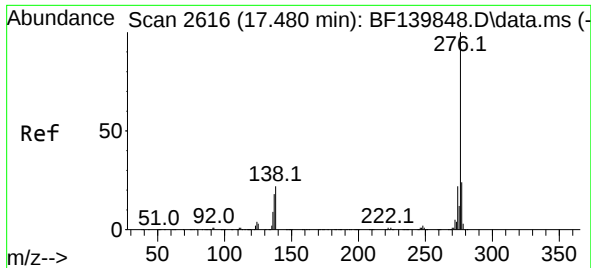
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/28/2024



#90
Benzo(a)pyrene
Concen: 10.335 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

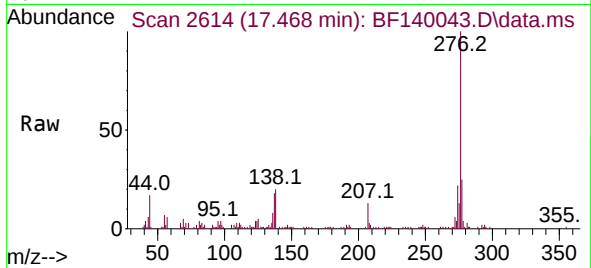
Tgt Ion:252 Resp: 123013
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.8 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 4.641 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF140043.D
 Acq: 25 Oct 2024 17:53

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212



Tgt Ion:	276	Resp:	59079
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.0	28.6
138	19.9	17.4	26.0

Manual Integrations
 APPROVED

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

