

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139579.D
 Acq On : 30 Sep 2024 15:28
 Operator : RC/JU
 Sample : P4192-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024
 Supervised By :mohammad ahmed 10/01/2024

Quant Time: Sep 30 15:50:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	58569	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	213883	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	105336	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	165239	20.000	ng	#-0.02
76) Chrysene-d12	14.016	240	122435	20.000	ng	-0.02
86) Perylene-d12	15.480	264	107169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	280135	78.027	ng	-0.01
7) Phenol-d6	6.492	99	380606	80.767	ng	-0.01
23) Nitrobenzene-d5	7.428	82	240298	52.817	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	48633	43.367	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	425724	56.684	ng	-0.02
79) Terphenyl-d14	12.963	244	331202	44.402	ng	-0.02
Target Compounds						
71) Phenanthrene	11.404	178	37645	4.722	ng	99
75) Fluoranthene	12.592	202	34156	4.012	ng	98
78) Pyrene	12.822	202	25172	2.394	ng	98
88) Benzo(b)fluoranthene	15.051	252	14413m	2.181	ng	

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

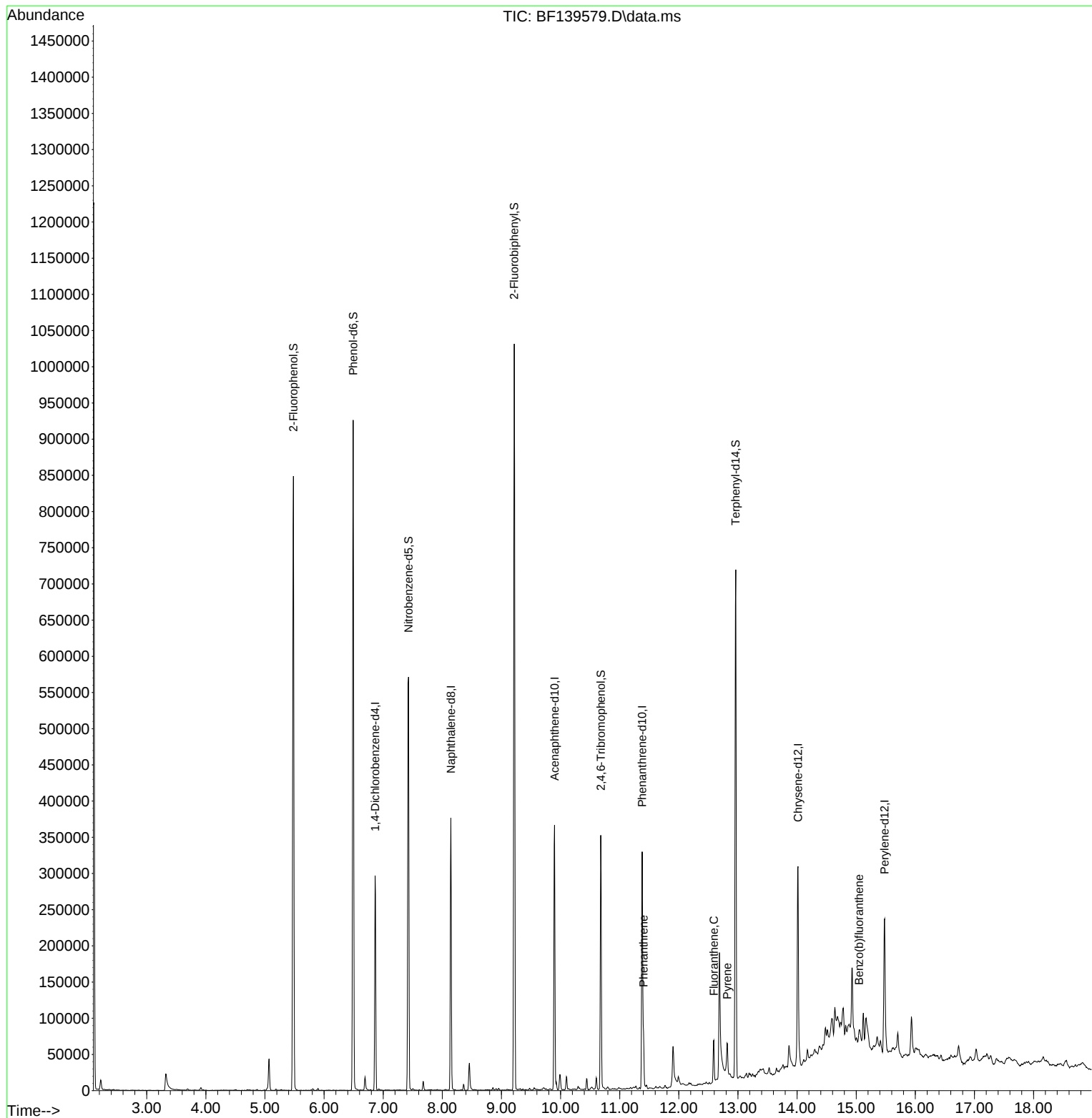
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
Data File : BF139579.D
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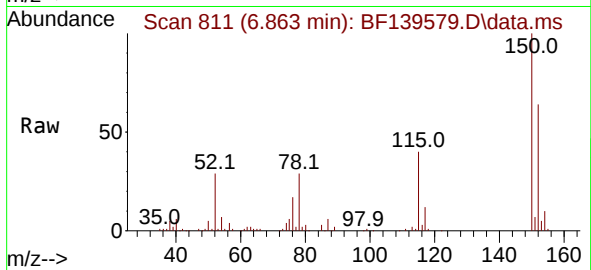
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

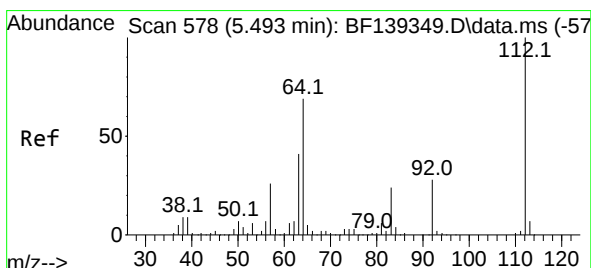
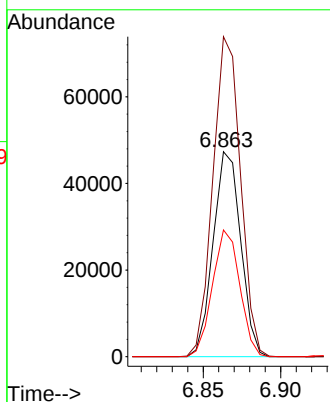
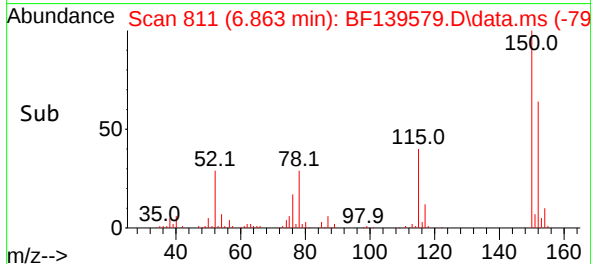
Instrument :
BNA_F
ClientSampleId :
VNJ-222



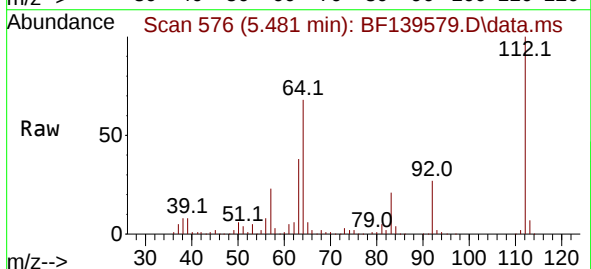
Tgt Ion:152 Resp: 58569
Ion Ratio Lower Upper
152 100
150 156.1 124.1 186.1
115 61.9 48.1 72.1

Manual Integrations
APPROVED

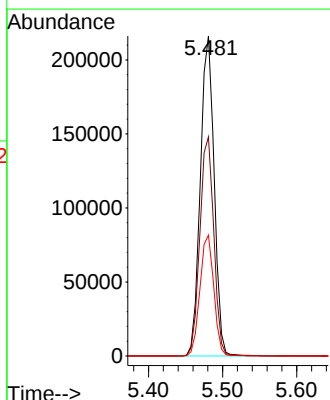
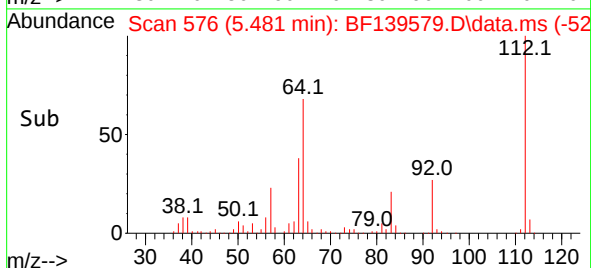
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#5
2-Fluorophenol
Concen: 78.027 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28



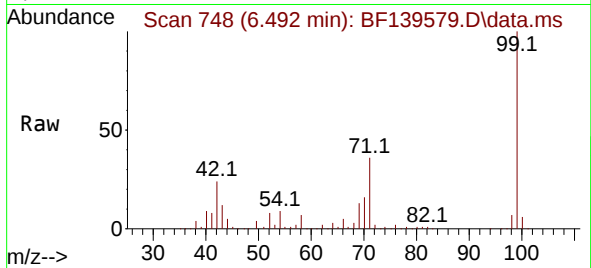
Tgt Ion:112 Resp: 280135
Ion Ratio Lower Upper
112 100
64 68.4 54.8 82.2
63 37.7 33.0 49.4





#7
Phenol-d6
Concen: 80.767 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

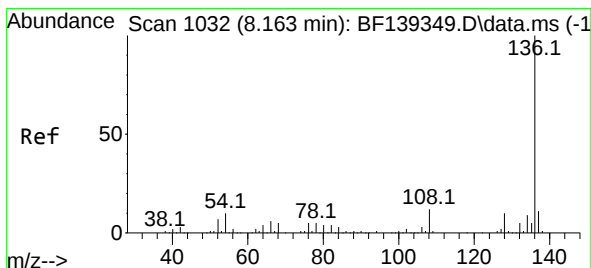
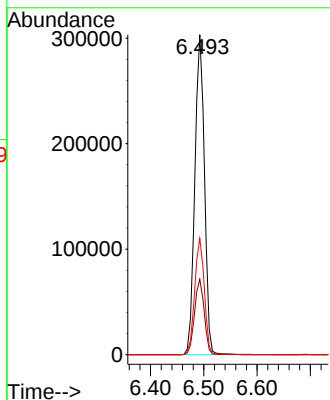
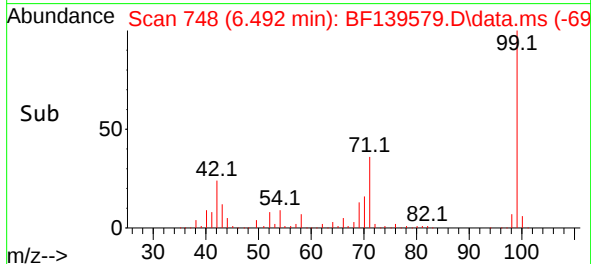
Instrument :
BNA_F
ClientSampleId :
VNJ-222



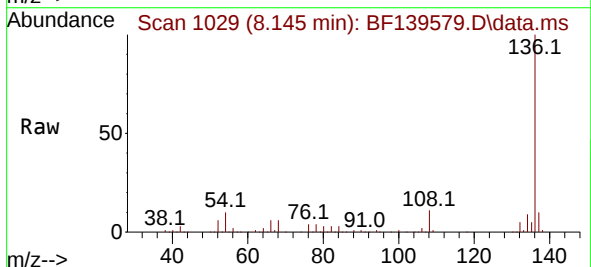
Tgt Ion: 99 Resp: 380600
Ion Ratio Lower Upper
99 100
42 23.6 21.9 32.9
71 36.3 34.6 52.0

Manual Integrations
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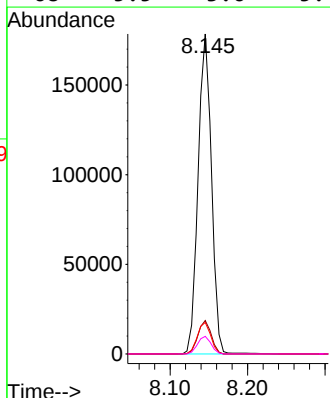
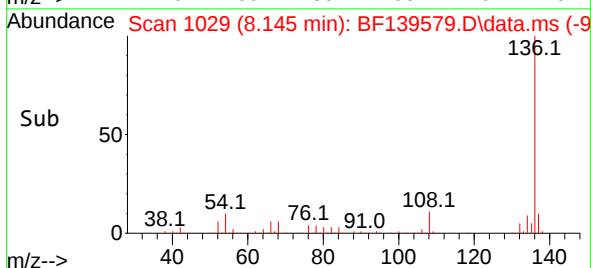
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28



Tgt Ion:136 Resp: 213883
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 9.8 7.8 11.8
68 5.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 52.817 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

Tgt Ion: 82 Resp: 240298

Ion Ratio Lower Upper

82 100

128 41.9 31.8 47.6

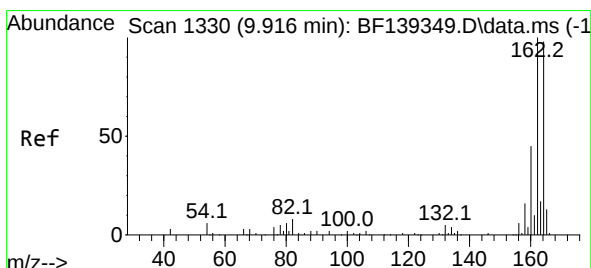
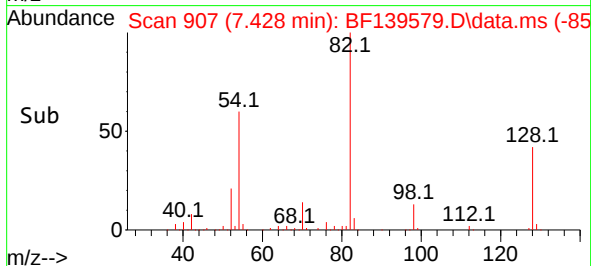
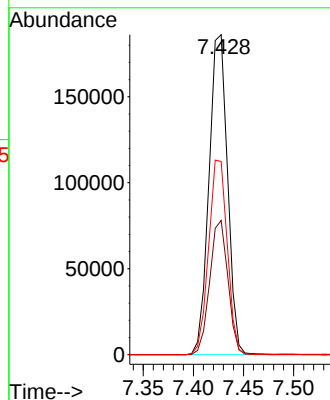
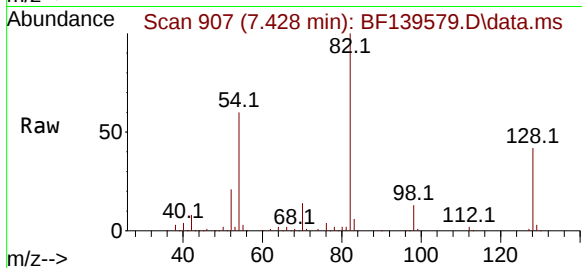
54 60.4 50.6 75.8

Manual Integrations

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Supervised By :mohammad ahmed 10/01/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

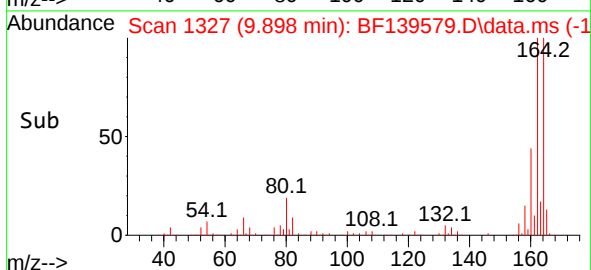
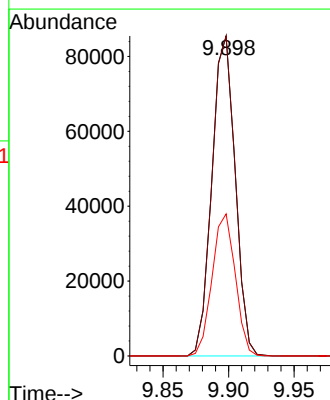
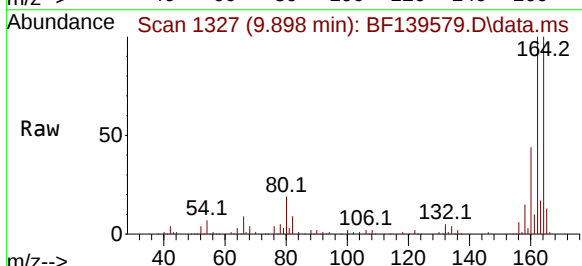
Tgt Ion:164 Resp: 105336

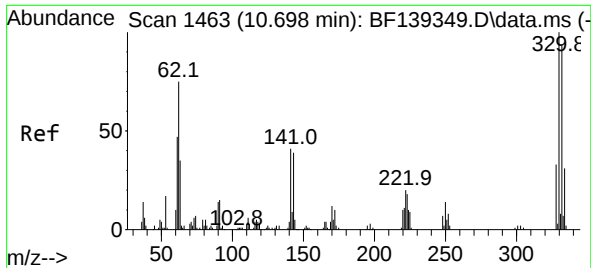
Ion Ratio Lower Upper

164 100

162 100.1 81.3 121.9

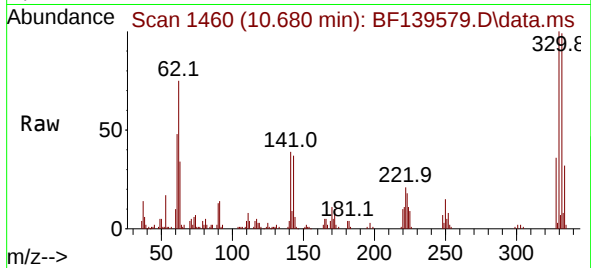
160 44.4 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 43.367 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

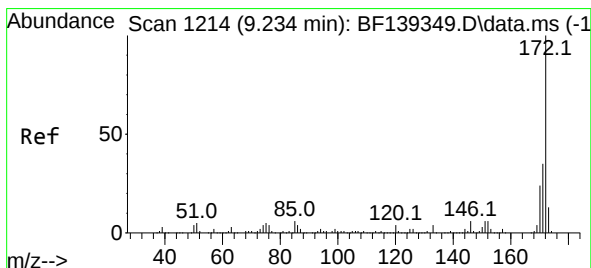
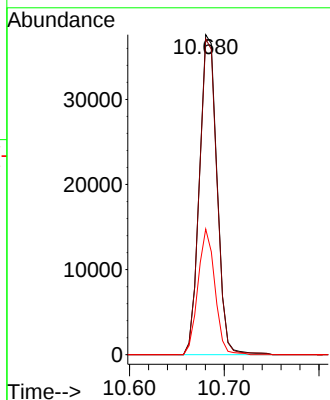
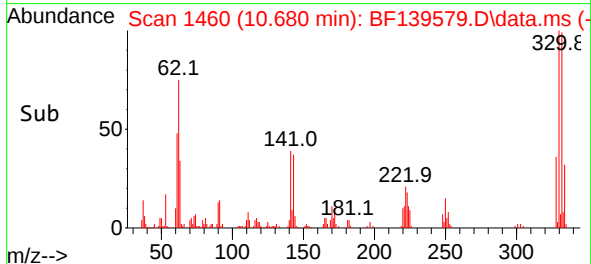
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion: 330 Resp: 4863
Ion Ratio Lower Upper
330 100
332 98.5 75.2 112.8
141 37.7 31.2 46.8

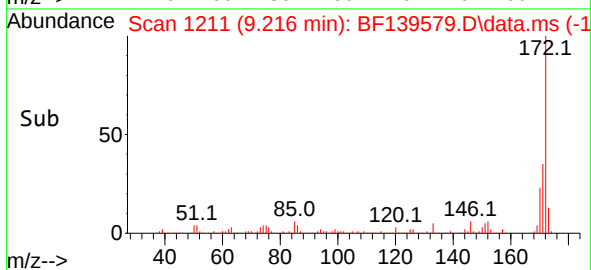
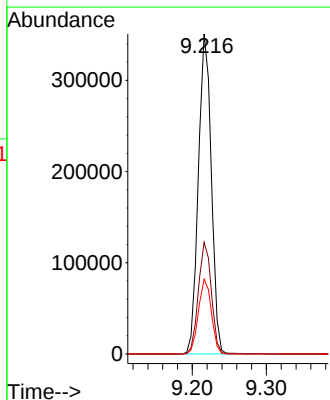
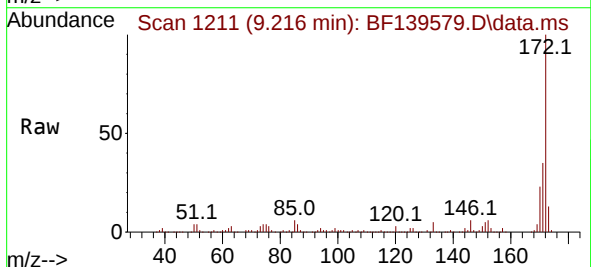
Manual Integrations
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Reviewed By : Yogesh Patel 10/01/2024
Supervised By : mohammad ahmed 10/01/2024



#45
2-Fluorobiphenyl
Concen: 56.684 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 172 Resp: 425724
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.4 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

Tgt Ion:188 Resp: 165239

Ion Ratio Lower Upper

188 100

94 8.6 5.5 8.3

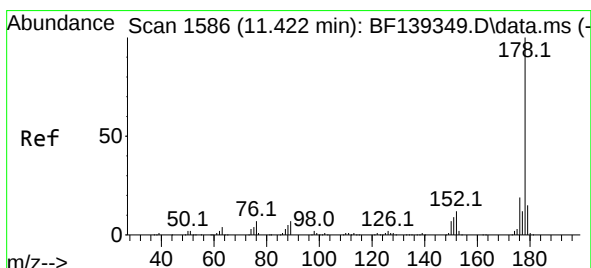
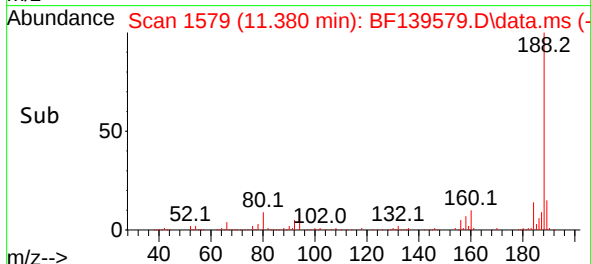
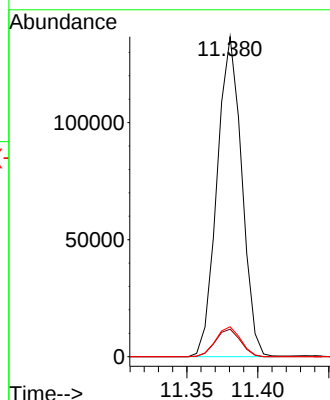
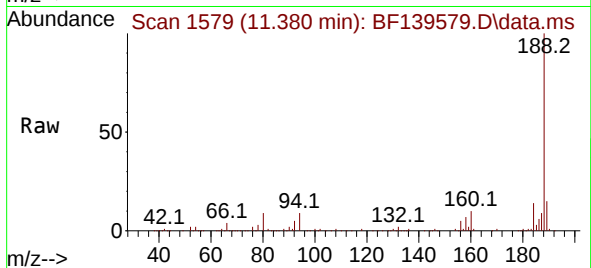
80 9.4 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024



#71

Phenanthrene

Concen: 4.722 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

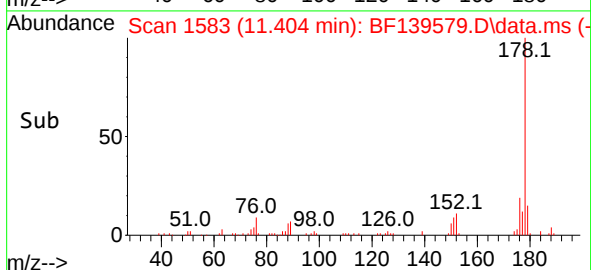
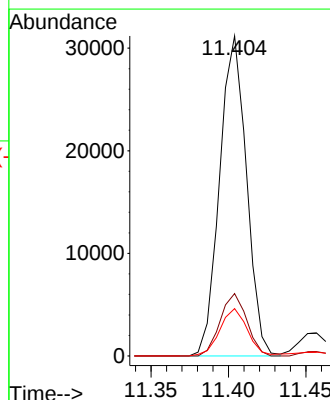
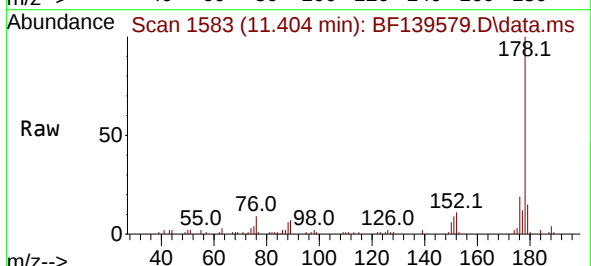
Tgt Ion:178 Resp: 37645

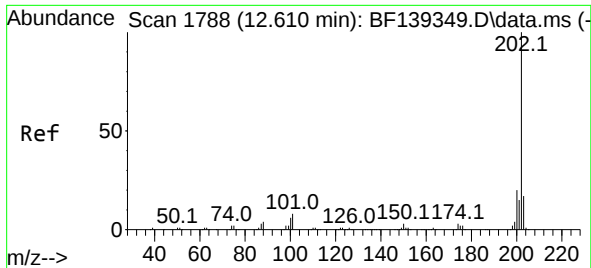
Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

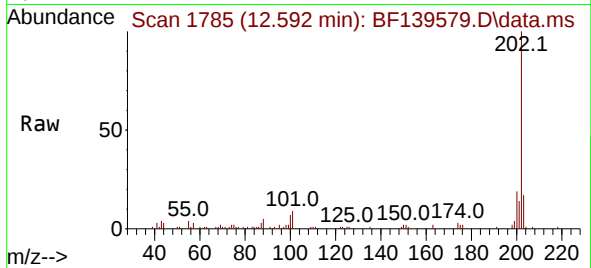
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 4.012 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

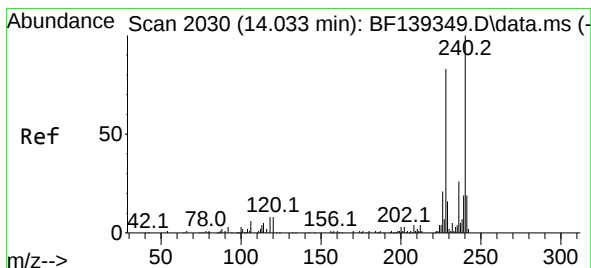
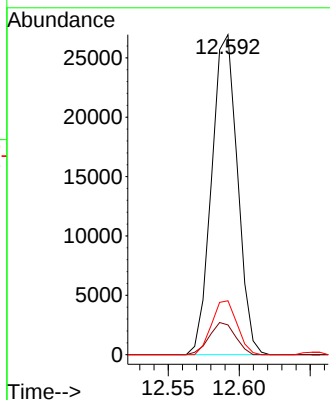
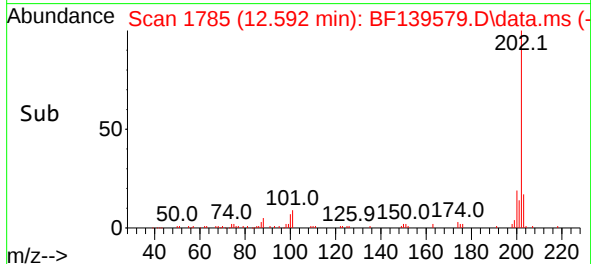
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:202 Resp: 34150
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.7
203 16.8 0.0 37.4

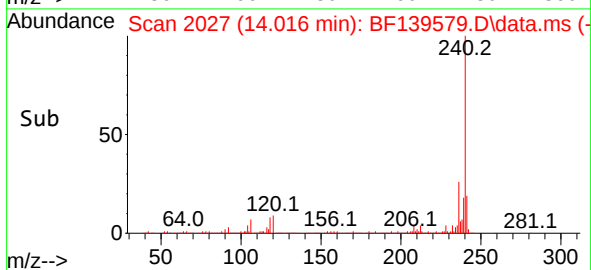
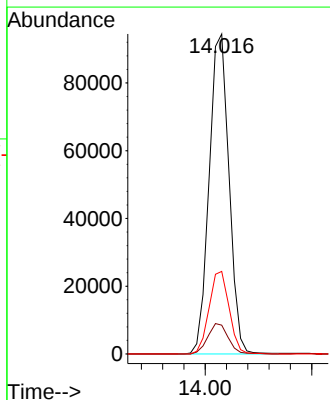
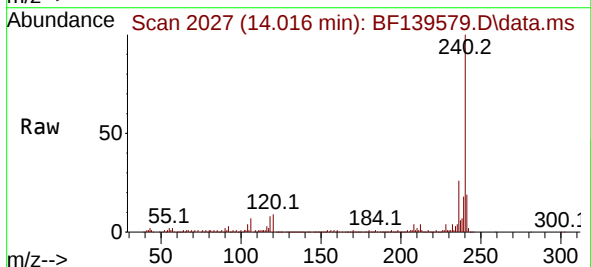
Manual Integrations
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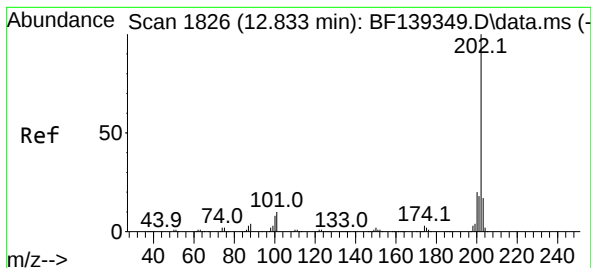
Reviewed By :Yogesh Patel 10/01/2024
Supervised By :mohammad ahmed 10/01/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:240 Resp: 122435
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.2
236 25.8 20.9 31.3





#78

Pyrene

Concen: 2.394 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

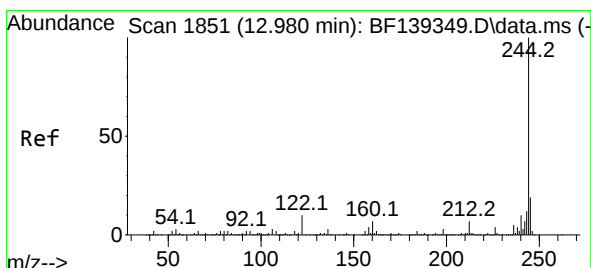
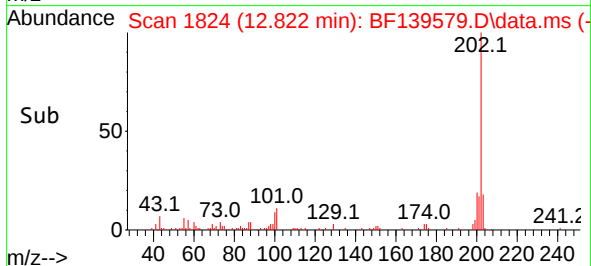
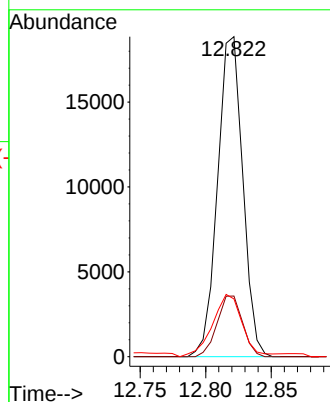
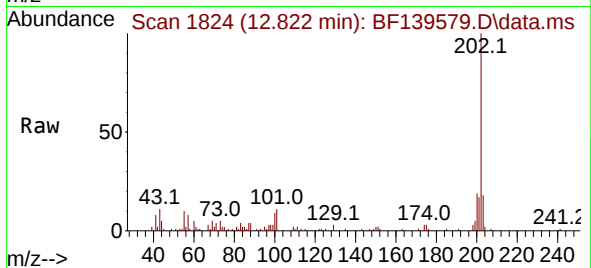
Tgt Ion:202	Resp: 2517
Ion Ratio	Lower Upper
202 100	
200 19.0	16.2 24.2
203 18.0	13.9 20.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024



#79

Terphenyl-d14

Concen: 44.402 ng

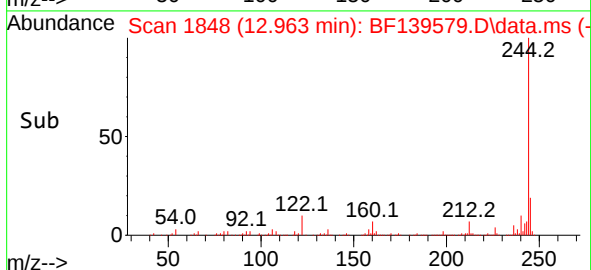
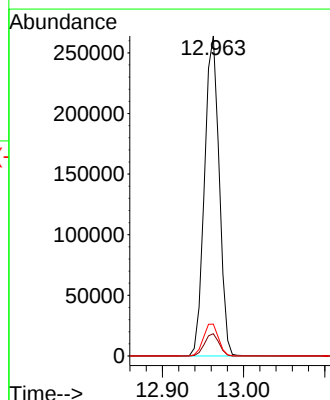
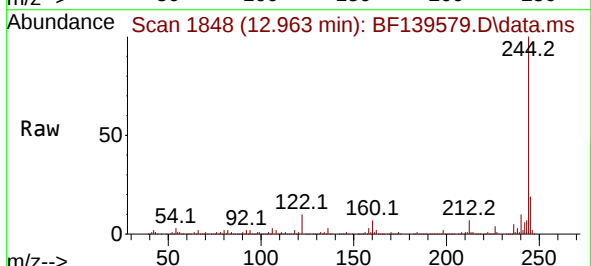
RT: 12.963 min Scan# 1848

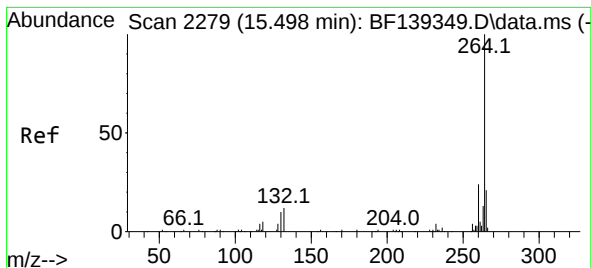
Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Tgt Ion:244	Resp: 331202
Ion Ratio	Lower Upper
244 100	
212 7.0	6.0 9.0
122 10.0	7.6 11.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

Tgt Ion:264 Resp: 107169

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

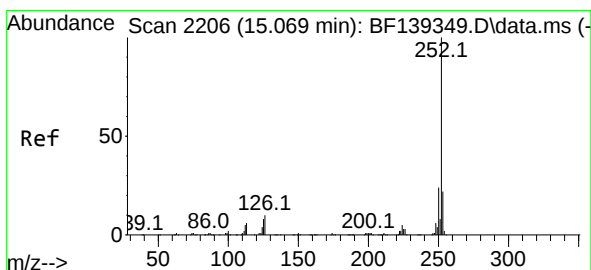
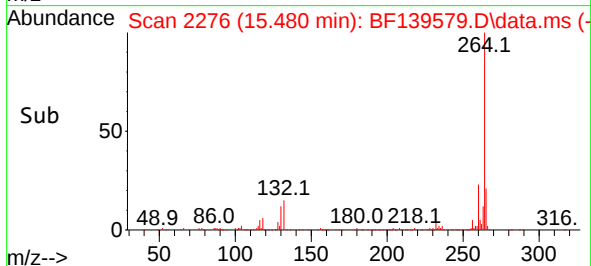
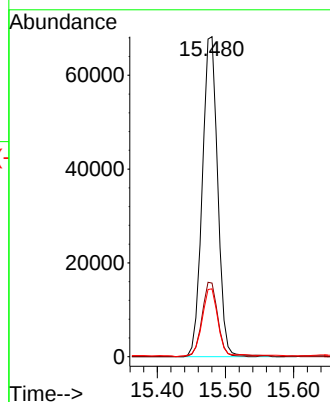
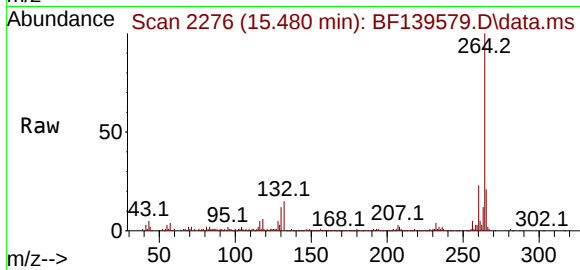
265 21.2 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/01/2024

Supervised By :mohammad ahmed 10/01/2024



#88

Benzo(b)fluoranthene

Concen: 2.181 ng m

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Tgt Ion:252 Resp: 14413

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 13.9 6.2 9.2#

