

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
 Data File : BF139289.D
 Acq On : 09 Sep 2024 18:18
 Operator : RC/JU
 Sample : P3852-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ223

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/10/2024
 Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 10 00:39:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	123090	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	449063	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	229052	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	313149	20.000	ng	0.00
76) Chrysene-d12	14.051	240	203513	20.000	ng	0.00
86) Perylene-d12	15.533	264	172232	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	636595	86.517	ng	0.00
7) Phenol-d6	6.510	99	841296	85.647	ng	0.00
23) Nitrobenzene-d5	7.445	82	539904	62.546	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	149204	75.436	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	987553	66.554	ng	0.00
79) Terphenyl-d14	12.998	244	647077	51.336	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	71503	3.705	ng	99
58) Fluorene	10.469	166	39399	2.769	ng	# 95
71) Phenanthrene	11.433	178	435149	29.746	ng	100
72) Anthracene	11.486	178	77073	5.393	ng	99
75) Fluoranthene	12.627	202	760536	51.856	ng	99
78) Pyrene	12.857	202	746081	37.950	ng	99
81) Benzo(a)anthracene	14.039	228	399821m	30.767	ng	
83) Chrysene	14.074	228	395291	32.591	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	23154	4.262	ng	95
87) Indeno(1,2,3-cd)pyrene	17.003	276	131659m	12.236	ng	
88) Benzo(b)fluoranthene	15.098	252	452861m	45.657	ng	
89) Benzo(k)fluoranthene	15.115	252	162708m	18.295	ng	
90) Benzo(a)pyrene	15.468	252	280745	33.333	ng	97
91) Dibenzo(a,h)anthracene	17.015	278	33156	3.739	ng	# 85
92) Benzo(g,h,i)perylene	17.451	276	123463	13.489	ng	100

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

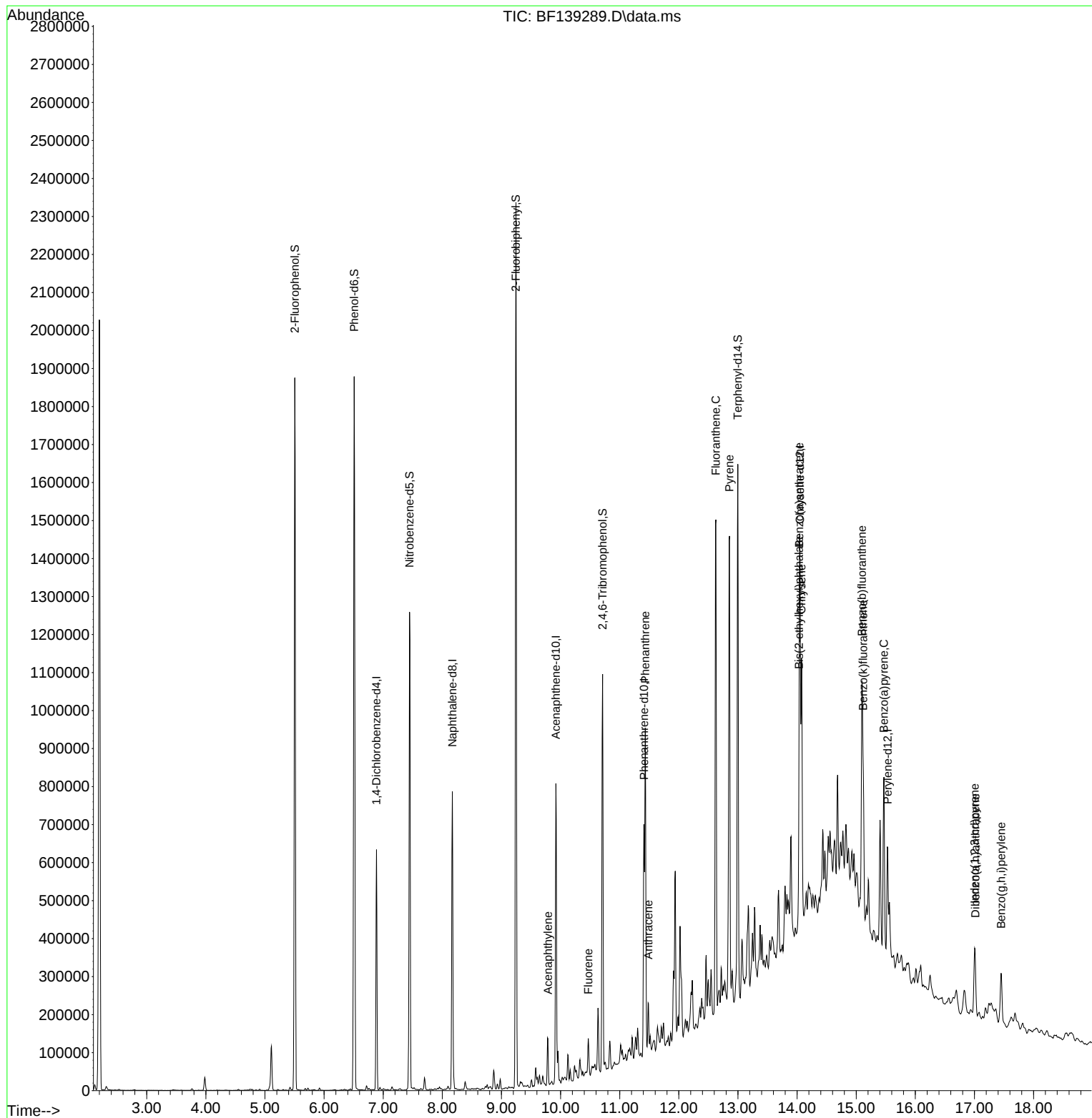
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090924\
Data File : BF139289.D
Acq On : 09 Sep 2024 18:18
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Sample : P3852-02
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ALS Vial : 11 Sample Multiplier: 1

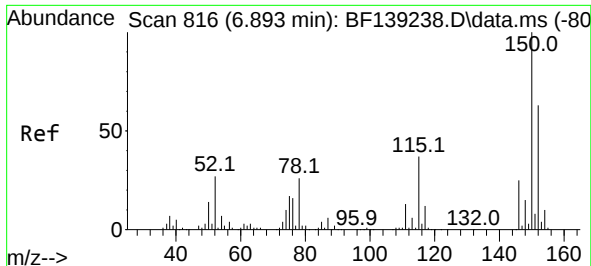
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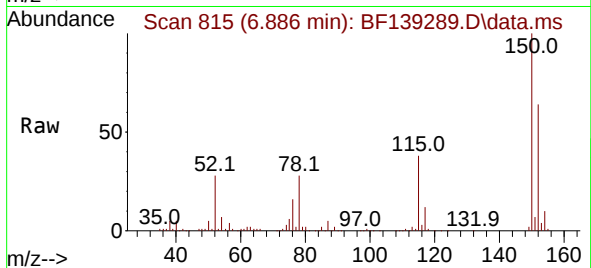
Quant Time: Sep 10 00:39:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

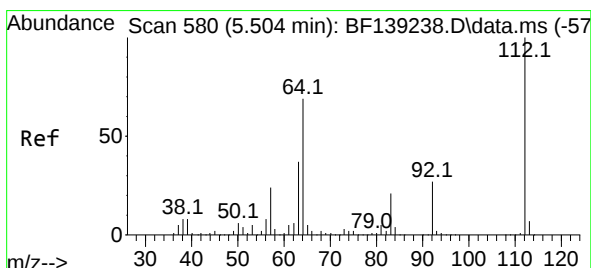
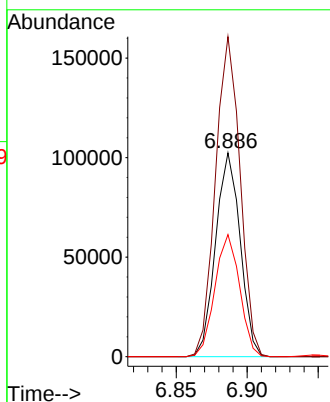
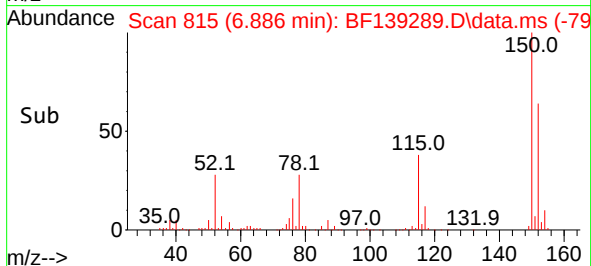
Instrument :
BNA_F
ClientSampleId :
VNJ223



Tgt Ion:152 Resp: 123090
Ion Ratio Lower Upper
152 100
150 157.0 127.0 190.4
115 59.9 46.9 70.3

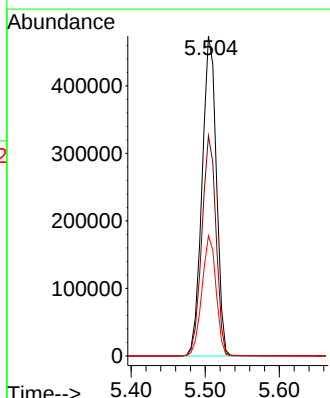
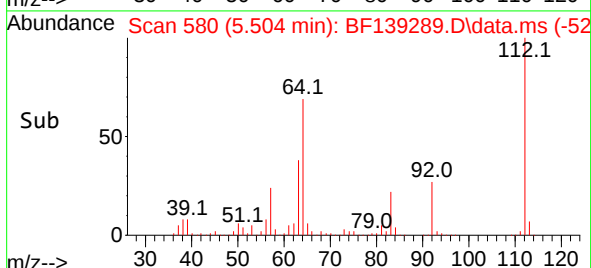
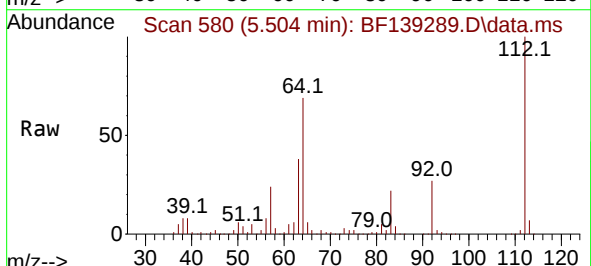
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Supervised By :mohammad ahmed 09/12/2024



#5
2-Fluorophenol
Concen: 86.517 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

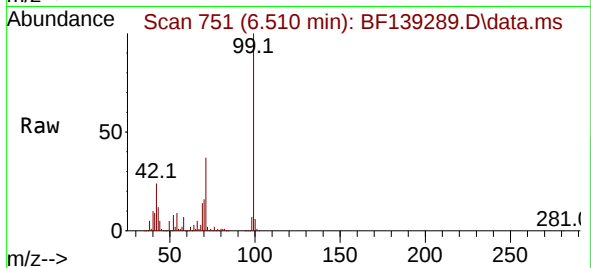
Tgt Ion:112 Resp: 636595
Ion Ratio Lower Upper
112 100
64 68.8 55.0 82.4
63 37.5 29.9 44.9





#7
Phenol-d6
Concen: 85.647 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

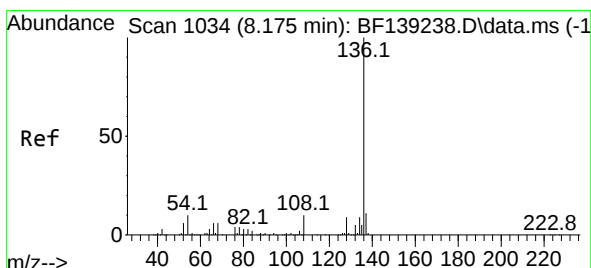
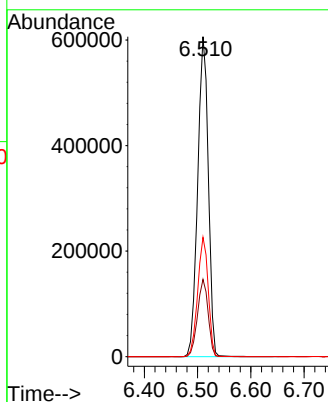
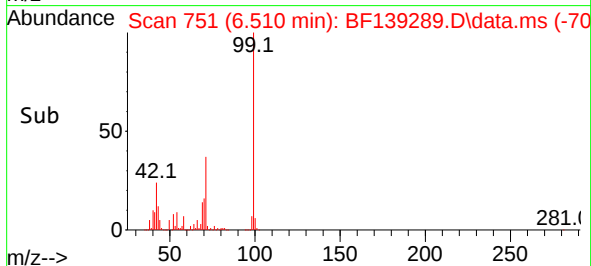
Instrument :
BNA_F
ClientSampleId :
VNJ223



Tgt Ion: 99 Resp: 841290
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 37.3 28.8 43.2

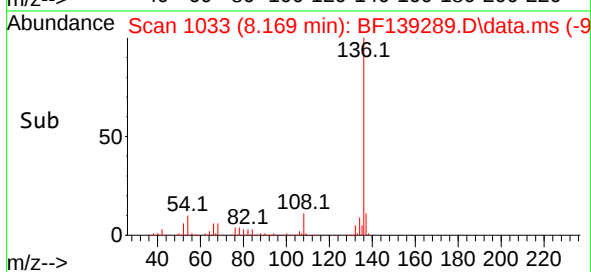
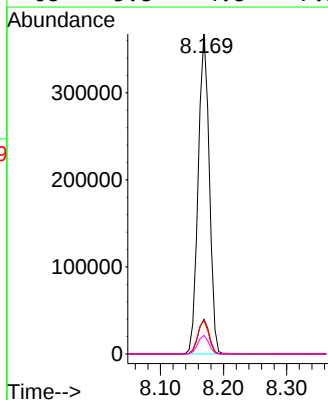
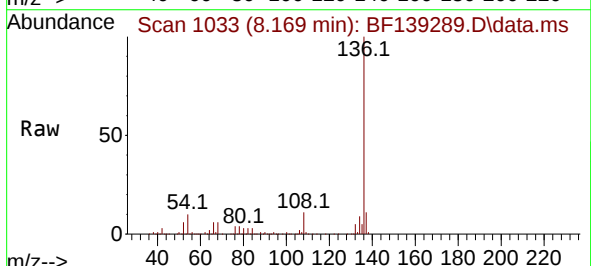
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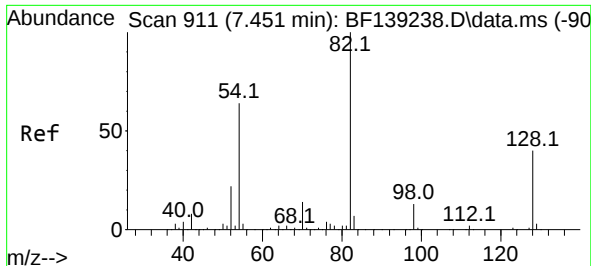
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

Tgt Ion:136 Resp: 449063
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.4 8.4 12.6
68 5.8 4.8 7.2





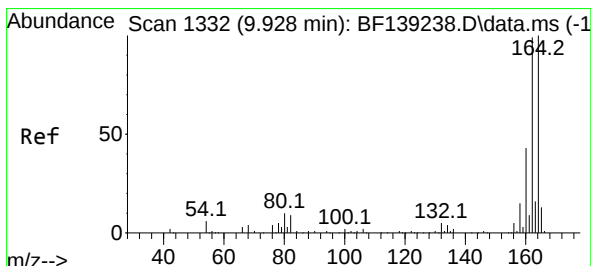
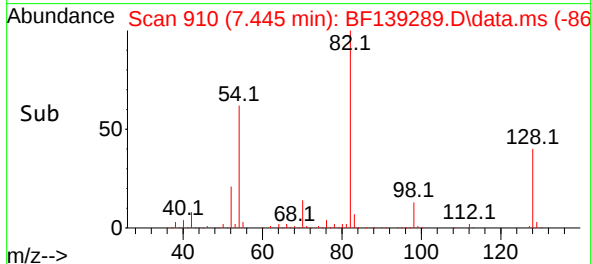
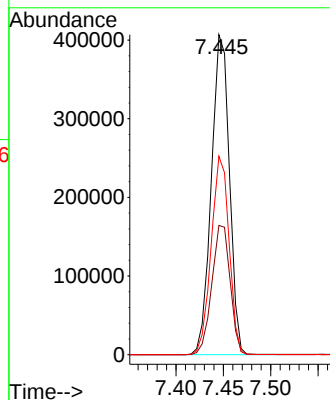
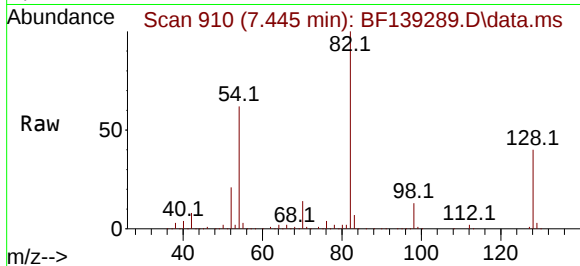
#23
Nitrobenzene-d5
Concen: 62.546 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

Instrument :
BNA_F
ClientSampleId :
VNJ223

Tgt Ion: 82 Resp: 539904
Ion Ratio Lower Upper
82 100
128 40.4 32.3 48.5
54 62.0 51.2 76.8

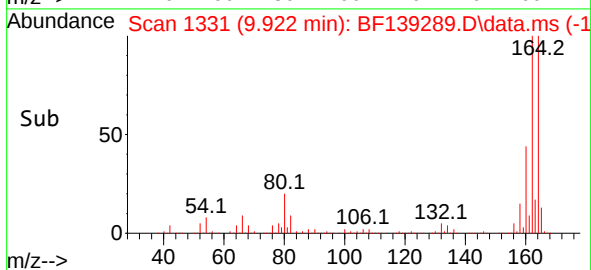
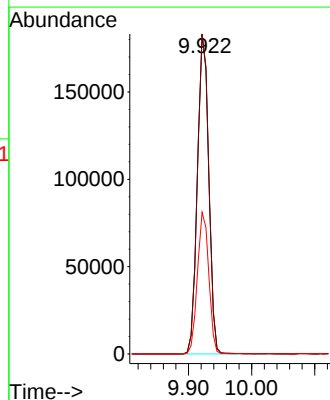
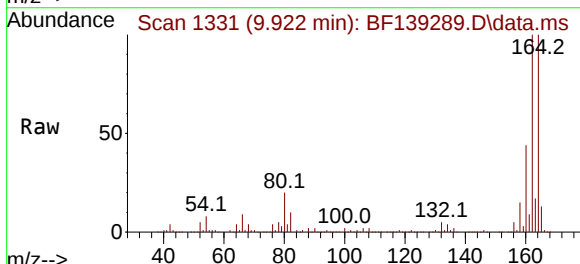
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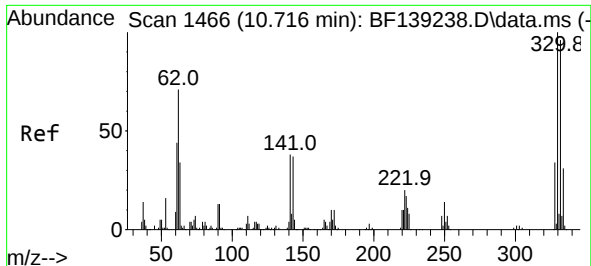
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

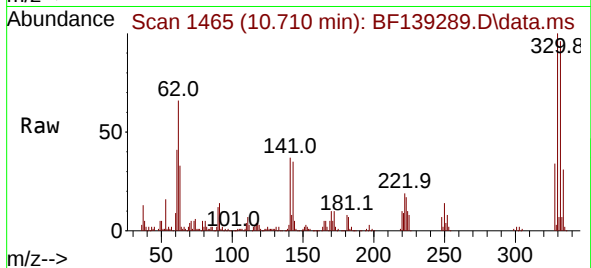
Tgt Ion:164 Resp: 229052
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 44.2 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 75.436 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

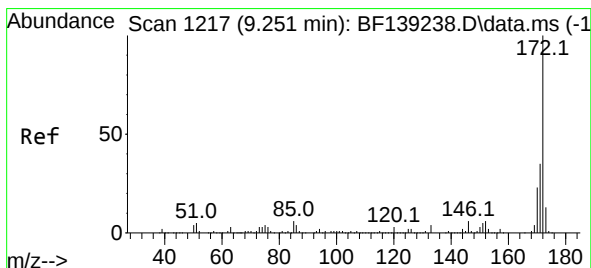
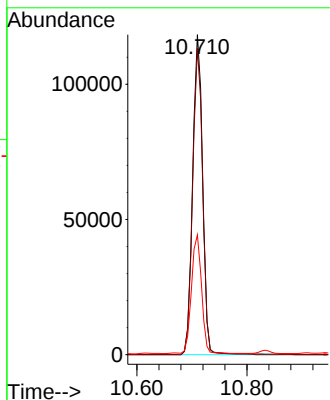
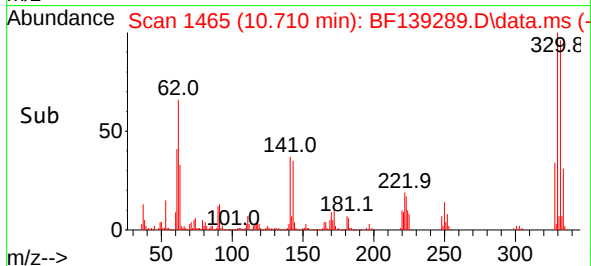
Instrument :
BNA_F
ClientSampleId :
VNJ223



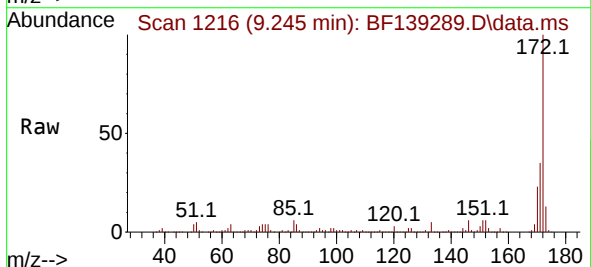
Tgt Ion:330 Resp: 149204
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 37.5 30.1 45.1

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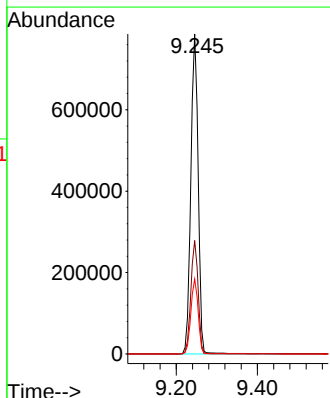
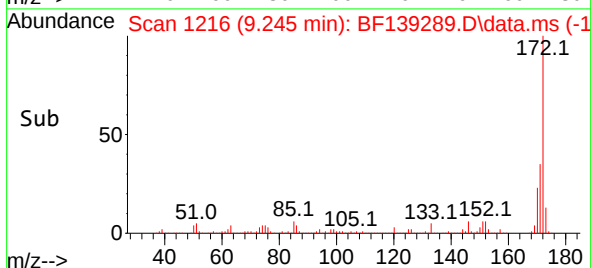
Reviewed By :Jagrut Upadhyay 09/10/2024
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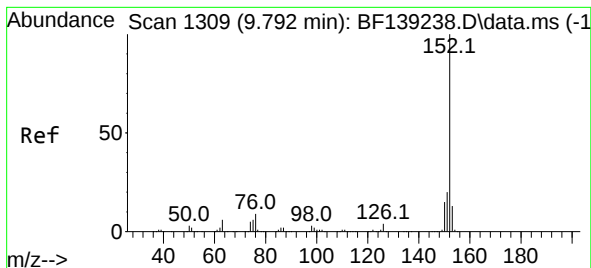


#45
2-Fluorobiphenyl
Concen: 66.554 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18



Tgt Ion:172 Resp: 987553
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.4 18.7 28.1





#49

Acenaphthylene

Concen: 3.705 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

Instrument :

BNA_F

ClientSampleId :

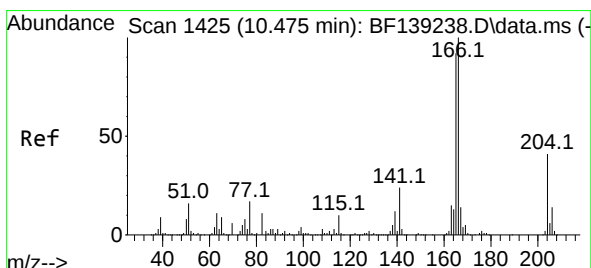
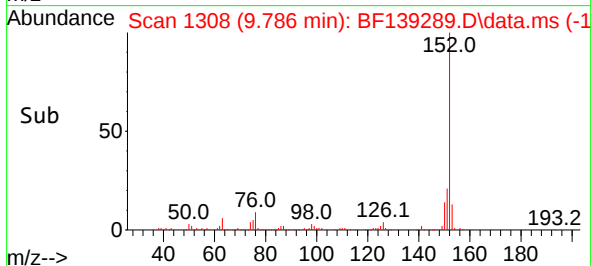
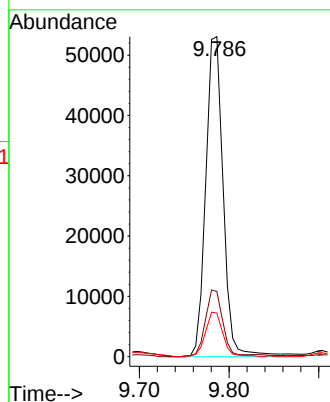
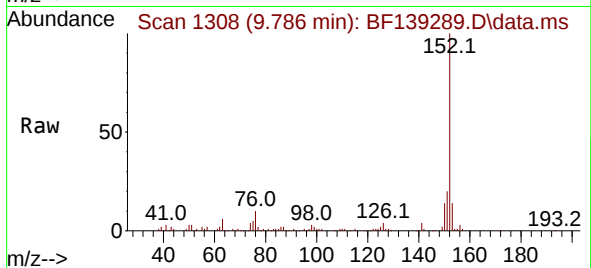
VNJ223

Tgt Ion:	152	Resp:	7150
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.0	24.0
153	13.7	10.4	15.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/10/2024
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#58

Fluorene

Concen: 2.769 ng

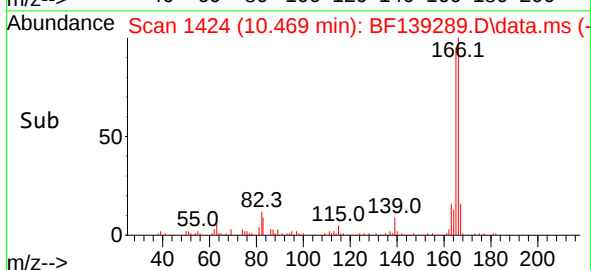
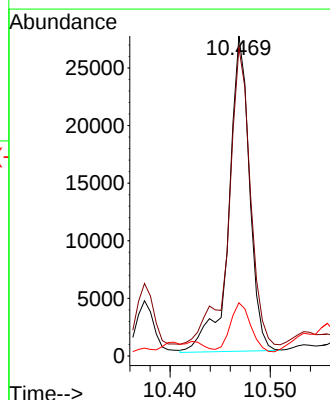
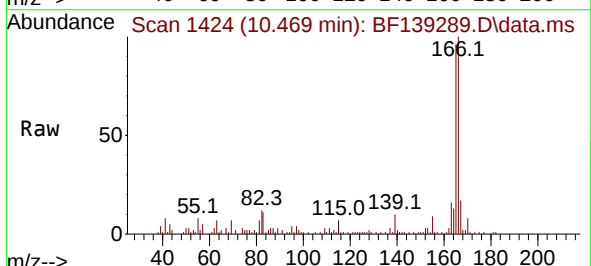
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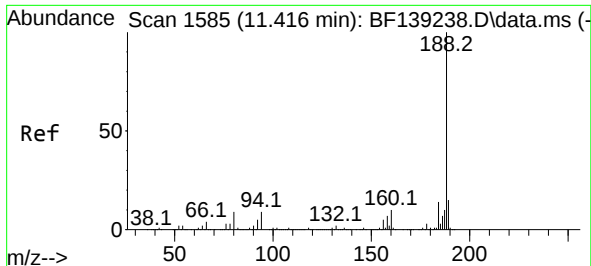
Delta R.T. -0.006 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

Tgt Ion:	166	Resp:	39399
Ion Ratio	Lower	Upper	
166	100		
165	96.4	73.7	110.5
167	16.6	10.9	16.3





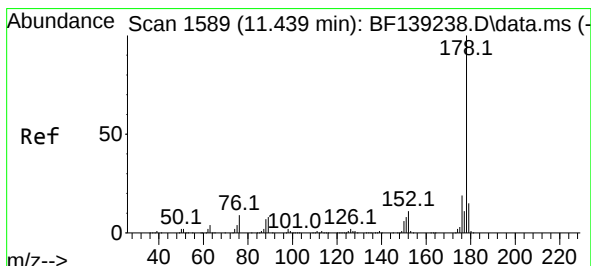
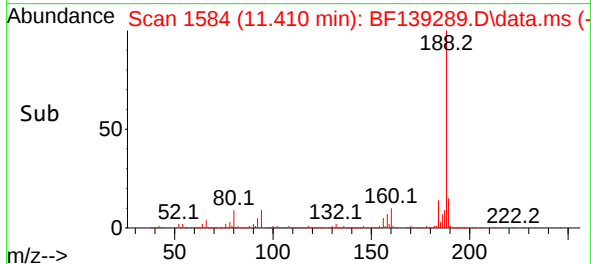
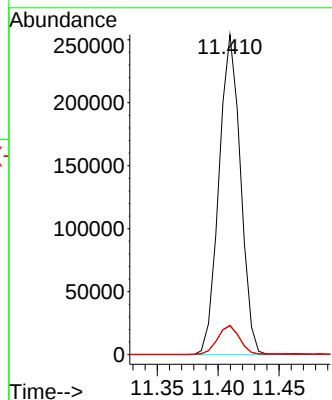
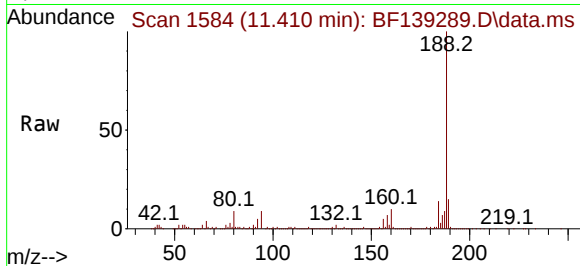
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

Instrument :
BNA_F
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VNJ223

Tgt Ion:188 Resp: 313149
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.4
80 9.2 7.3 10.9

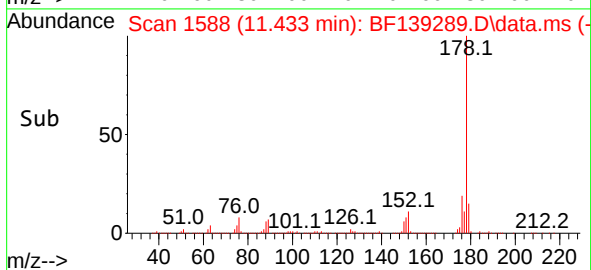
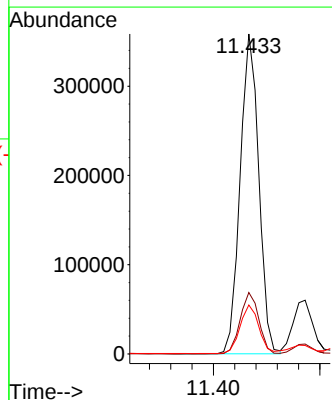
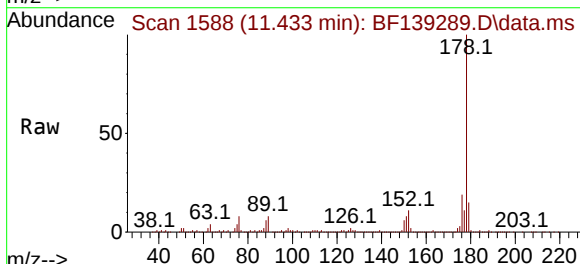
Manual Integrations
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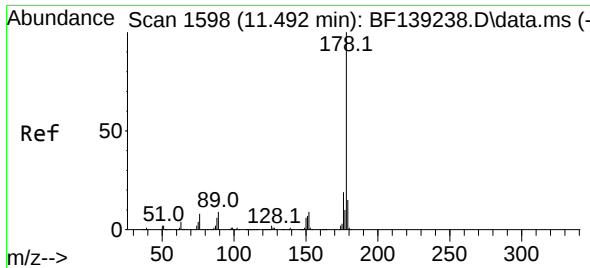
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#71
Phenanthrene
Concen: 29.746 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

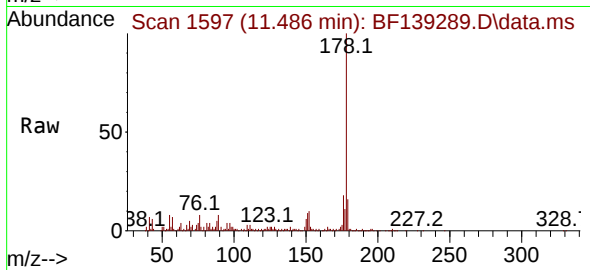
Tgt Ion:178 Resp: 435149
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.3 18.5





#72
 Anthracene
 Concen: 5.393 ng
 RT: 11.486 min Scan# 1149
 Delta R.T. -0.006 min
 Lab File: BF139289.D
 Acq: 09 Sep 2024 18:18

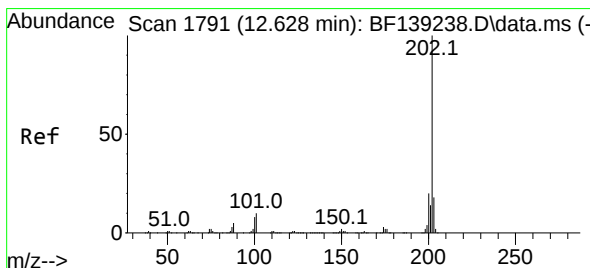
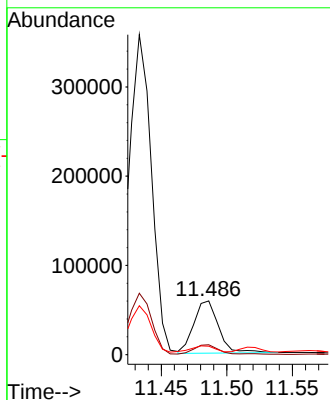
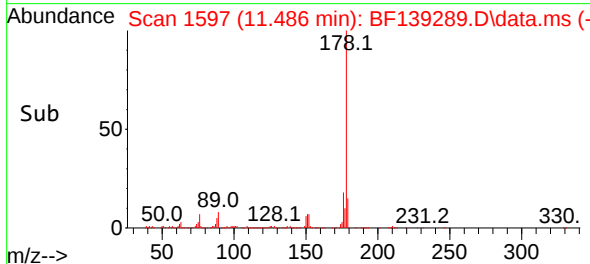
Instrument :
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Tgt Ion:178 Resp: 77073
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.9 12.3 18.5

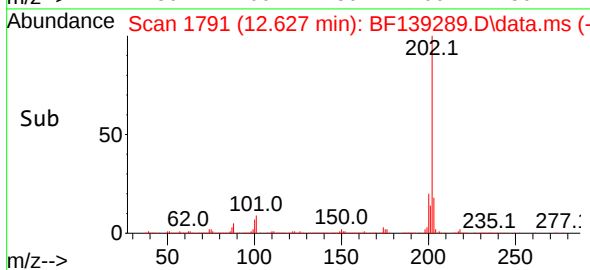
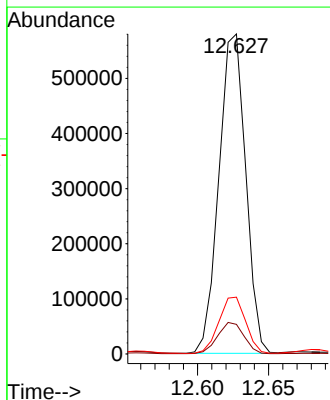
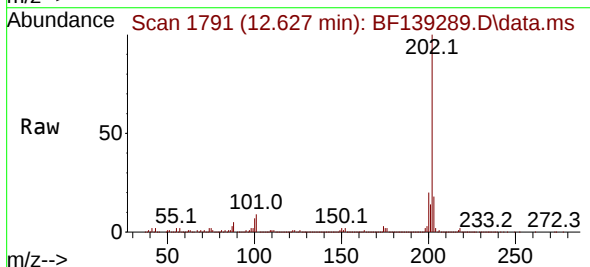
Manual Integrations
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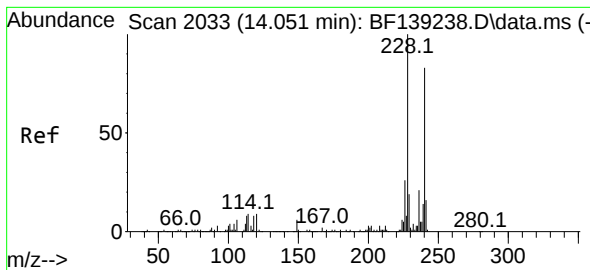
Reviewed By :Jagrut Upadhyay 09/10/2024
 Supervised By :mohammad ahmed 09/12/2024



#75
 Fluoranthene
 Concen: 51.856 ng
 RT: 12.627 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: BF139289.D
 Acq: 09 Sep 2024 18:18

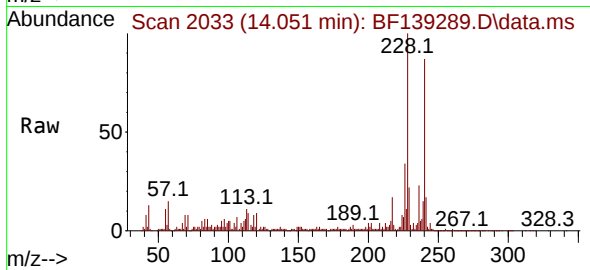
Tgt Ion:202 Resp: 760536
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.9
 203 17.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

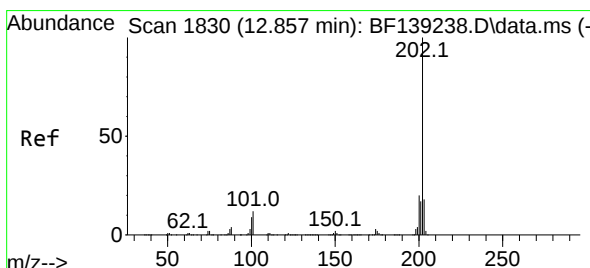
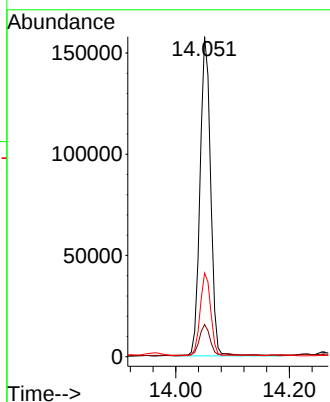
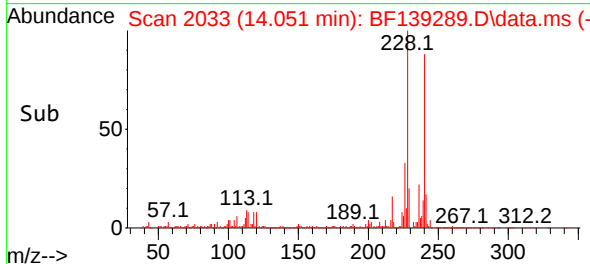
Instrument :
BNA_F
ClientSampleId :
VNJ223



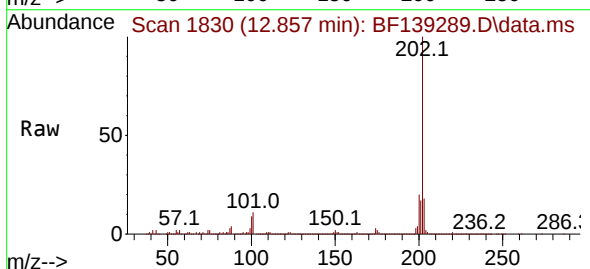
Tgt Ion:240 Resp: 20351
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 26.1 20.7 31.1

Manual Integrations
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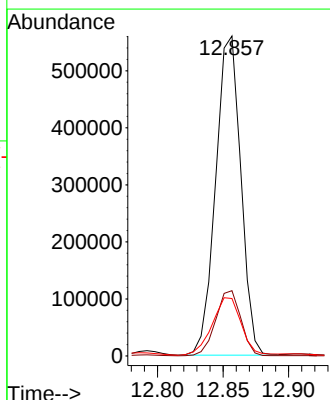
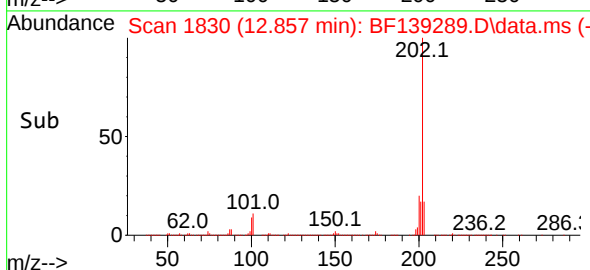
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

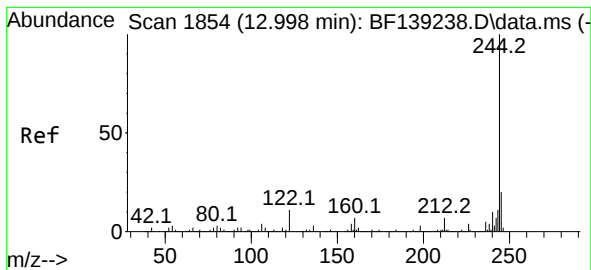


#78
Pyrene
Concen: 37.950 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18



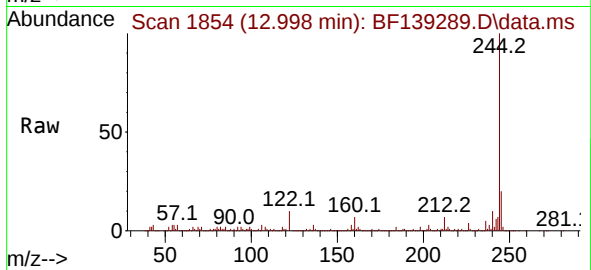
Tgt Ion:202 Resp: 746081
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 17.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 51.336 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF139289.D
 Acq: 09 Sep 2024 18:18

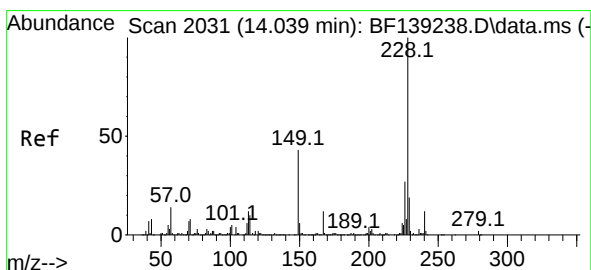
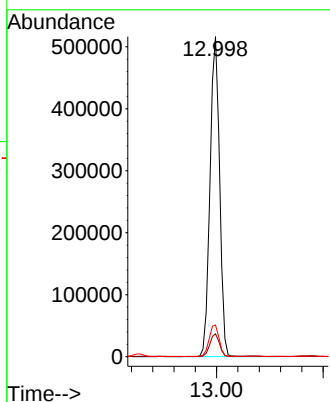
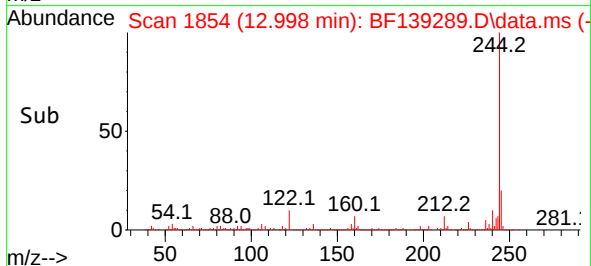
Instrument :
 BNA_F
 ClientSampleId :
 VNJ223



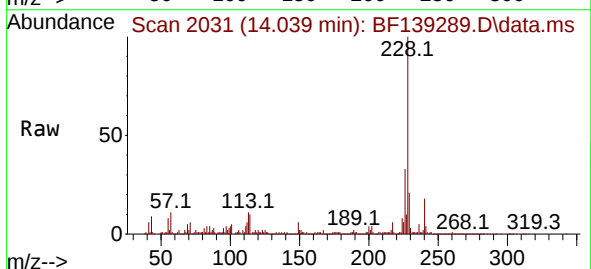
Tgt Ion:244 Resp: 64707
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.9 8.7 13.1

Manual Integrations
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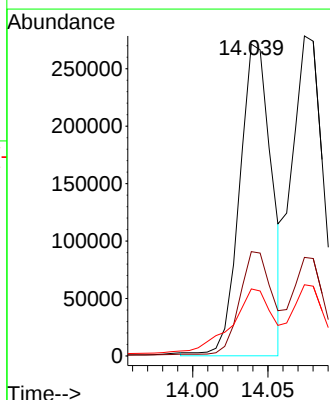
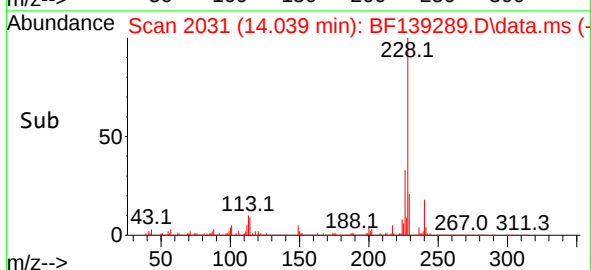
Reviewed By :Jagrut Upadhyay 09/10/2024
 Supervised By :mohammad ahmed 09/12/2024

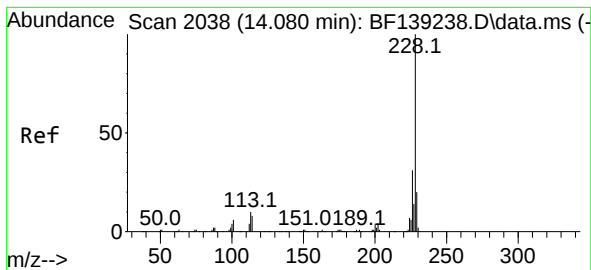


#81
 Benzo(a)anthracene
 Concen: 30.767 ng m
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF139289.D
 Acq: 09 Sep 2024 18:18



Tgt Ion:228 Resp: 399821
 Ion Ratio Lower Upper
 228 100
 226 33.5 21.5 32.3#
 229 21.5 15.6 23.4





#83

Chrysene

Concen: 32.591 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

Instrument :

BNA_F

ClientSampleId :

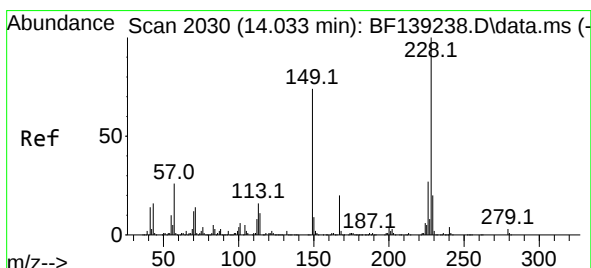
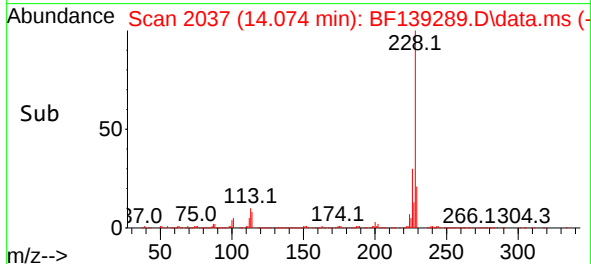
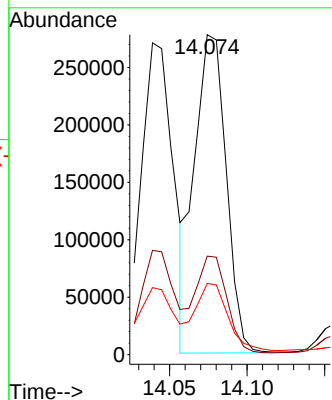
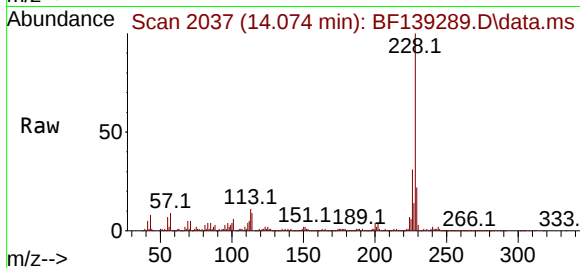
VNJ223

Tgt Ion:	228	Resp:	39529
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.8	35.8
229	22.3	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.262 ng

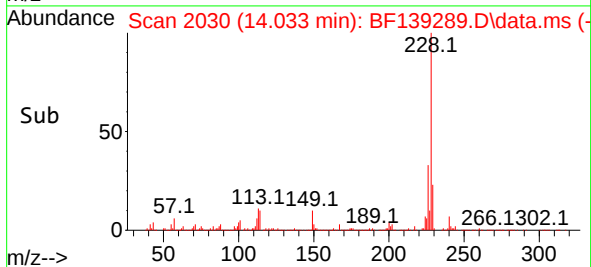
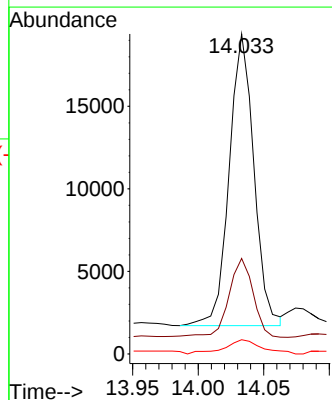
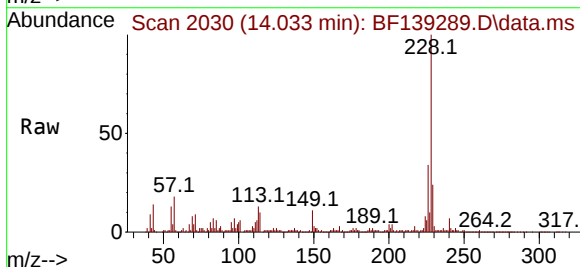
RT: 14.033 min Scan# 2030

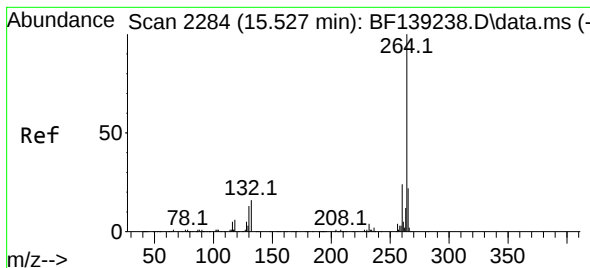
Delta R.T. -0.000 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

Tgt Ion:	149	Resp:	23154
Ion Ratio	Lower	Upper	
149	100		
167	29.9	21.8	32.6
279	4.4	3.0	4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

Instrument :

BNA_F

ClientSampleId :

VNJ223

Tgt Ion:264 Resp: 17223

Ion Ratio Lower Upper

264 100

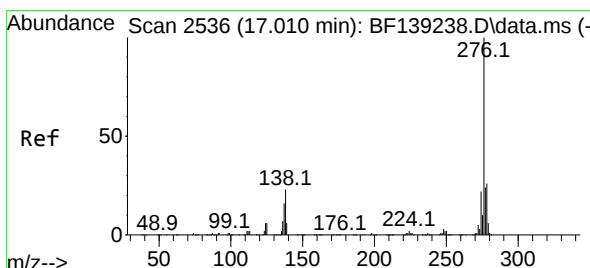
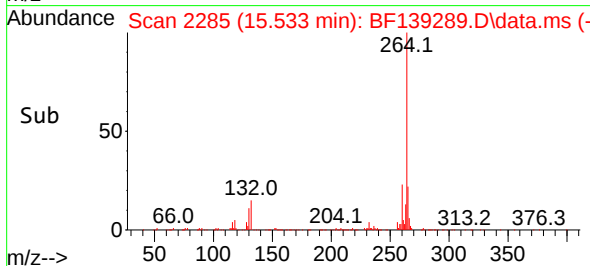
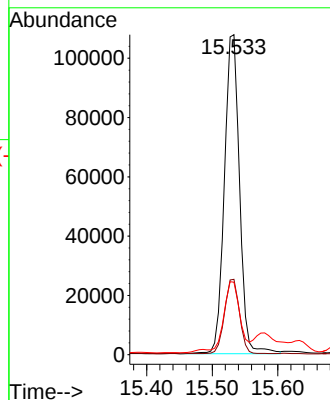
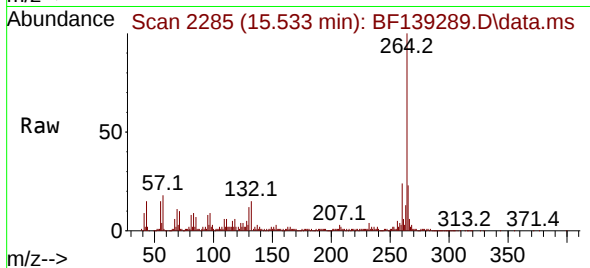
260 23.6 18.8 28.2

265 22.6 17.3 25.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.236 ng m

RT: 17.003 min Scan# 2535

Delta R.T. -0.006 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

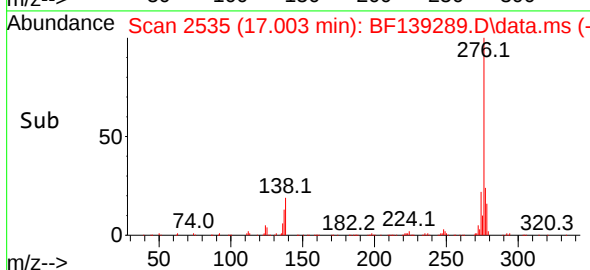
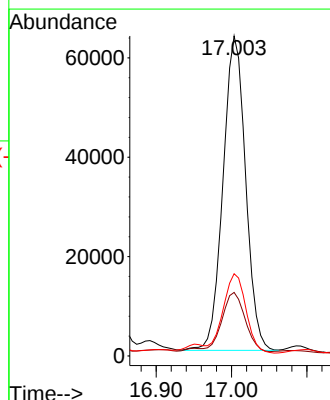
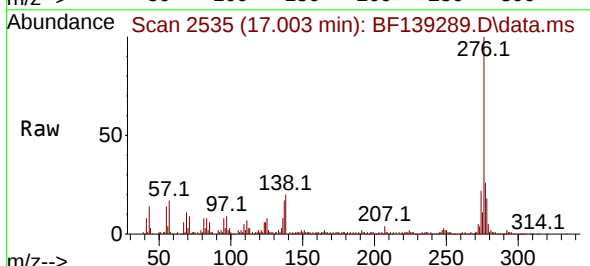
Tgt Ion:276 Resp: 131659

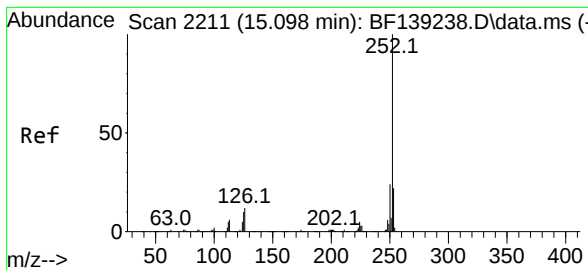
Ion Ratio Lower Upper

276 100

138 4.5 20.4 30.6#

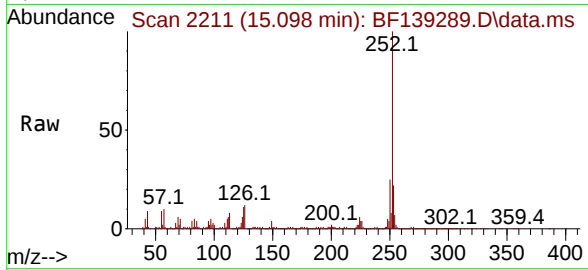
277 4.5 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 45.657 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

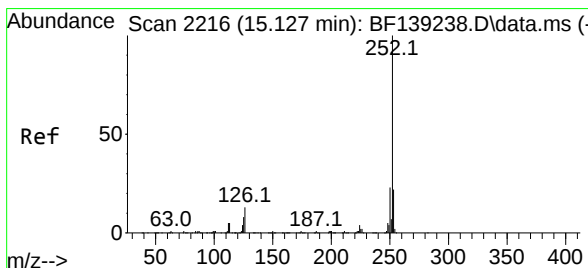
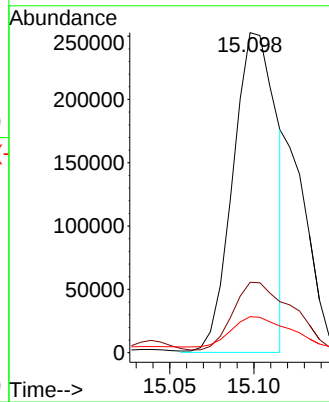
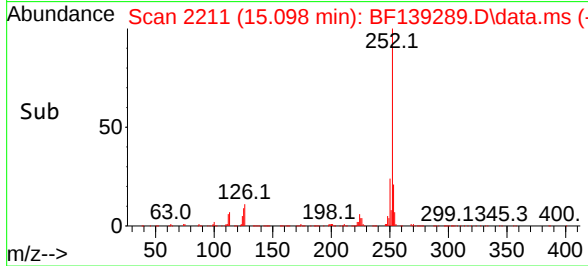
Instrument :
BNA_F
ClientSampleId :
VNJ223



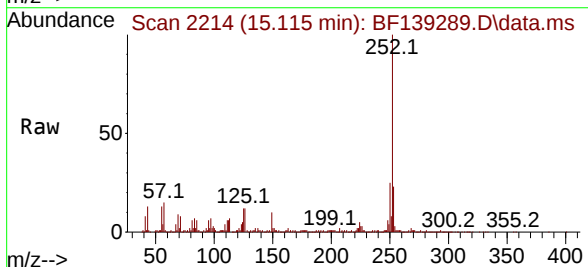
Tgt Ion:252 Resp: 45286
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.2 7.6 11.4

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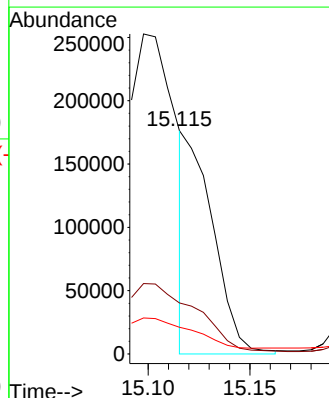
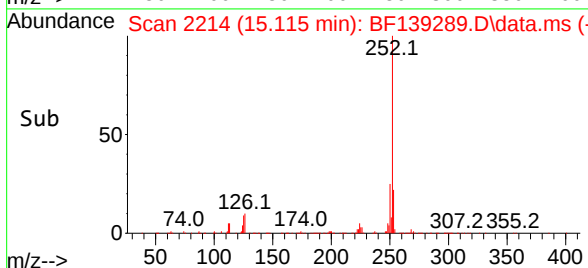
Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

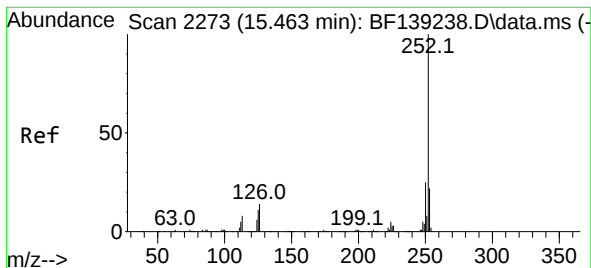


#89
Benzo(k)fluoranthene
Concen: 18.295 ng m
RT: 15.115 min Scan# 2214
Delta R.T. -0.012 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18



Tgt Ion:252 Resp: 162708
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 33.333 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

Instrument :

BNA_F

ClientSampleId :

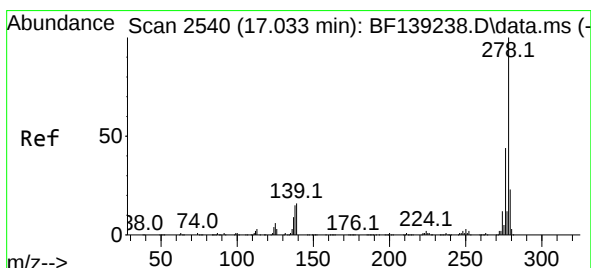
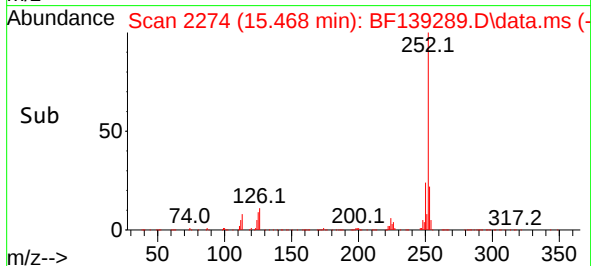
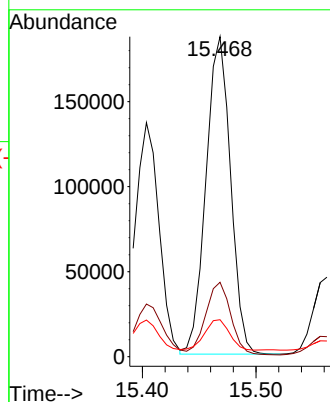
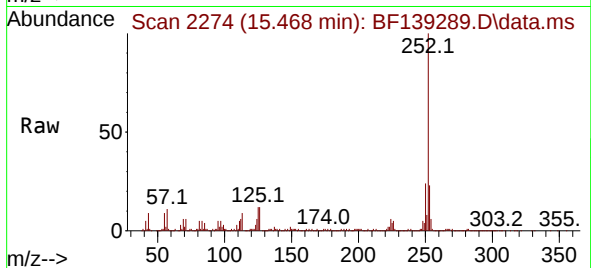
VNJ223

Tgt Ion:252 Resp: 28074
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 11.6 8.6 13.0

Manual Integrations

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 Supervised By :mohammad ahmed 09/12/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.739 ng

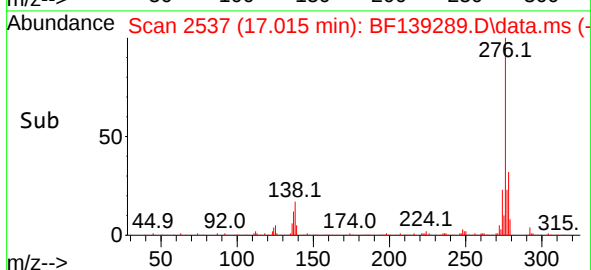
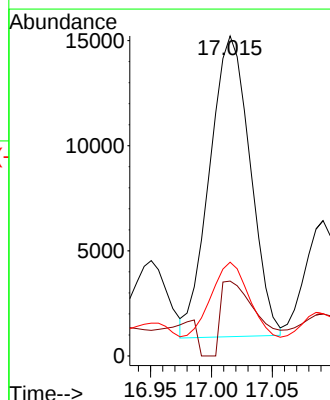
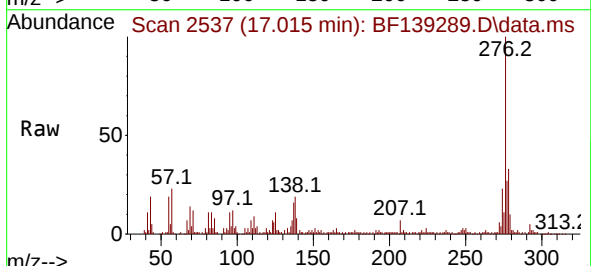
RT: 17.015 min Scan# 2537

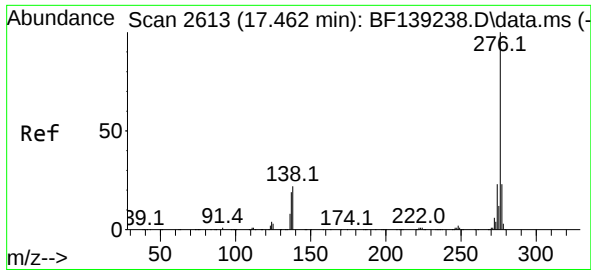
Delta R.T. -0.018 min

Lab File: BF139289.D

Acq: 09 Sep 2024 18:18

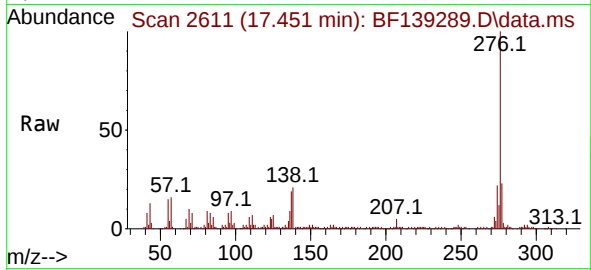
Tgt Ion:278 Resp: 33156
 Ion Ratio Lower Upper
 278 100
 139 23.4 12.6 19.0#
 279 29.3 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 13.489 ng
RT: 17.451 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF139289.D
Acq: 09 Sep 2024 18:18

Instrument :
BNA_F
ClientSampleId :
VNJ223



Tgt Ion:276 Resp: 12346
Ion Ratio Lower Upper
276 100
277 23.2 18.6 27.8
138 21.4 17.4 26.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 09/10/2024
Supervised By :mohammad ahmed 09/12/2024

