

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137266.D
 Acq On : 02 Feb 2024 20:45
 Operator : CG\JU
 Sample : P1336-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4008

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024

Quant Time: Feb 02 22:45:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	49540	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	171159	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	76248	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	104666	20.000	ng	# 0.03
76) Chrysene-d12	13.986	240	133693	20.000	ng	# 0.01
86) Perylene-d12	15.451	264	103266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	303261	101.010	ng	0.00
7) Phenol-d6	6.422	99	383480	89.503	ng	0.00
23) Nitrobenzene-d5	7.351	82	239312	62.599	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	73344	85.174	ng	0.01
45) 2-Fluorobiphenyl	9.145	172	367623	66.278	ng	0.00
79) Terphenyl-d14	12.945	244	415226	42.222	ng	0.02
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.251	154	14735	2.429	ng	98
58) Fluorene	10.386	166	24334	4.619	ng	# 47
71) Phenanthrene	11.374	178	169434	30.922	ng	# 75
72) Anthracene	11.427	178	31822	5.572	ng	# 36
75) Fluoranthene	12.574	202	231069	40.300	ng	94
78) Pyrene	12.804	202	179542m	13.974	ng	
81) Benzo(a)anthracene	13.974	228	82858	8.751	ng	98
83) Chrysene	14.009	228	74751m	8.030	ng	
88) Benzo(b)fluoranthene	15.021	252	51751m	8.149	ng	
89) Benzo(k)fluoranthene	15.051	252	19433m	2.893	ng	
90) Benzo(a)pyrene	15.386	252	26262	4.394	ng	# 92
92) Benzo(g,h,i)perylene	17.380	276	11802	2.069	ng	# 89

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

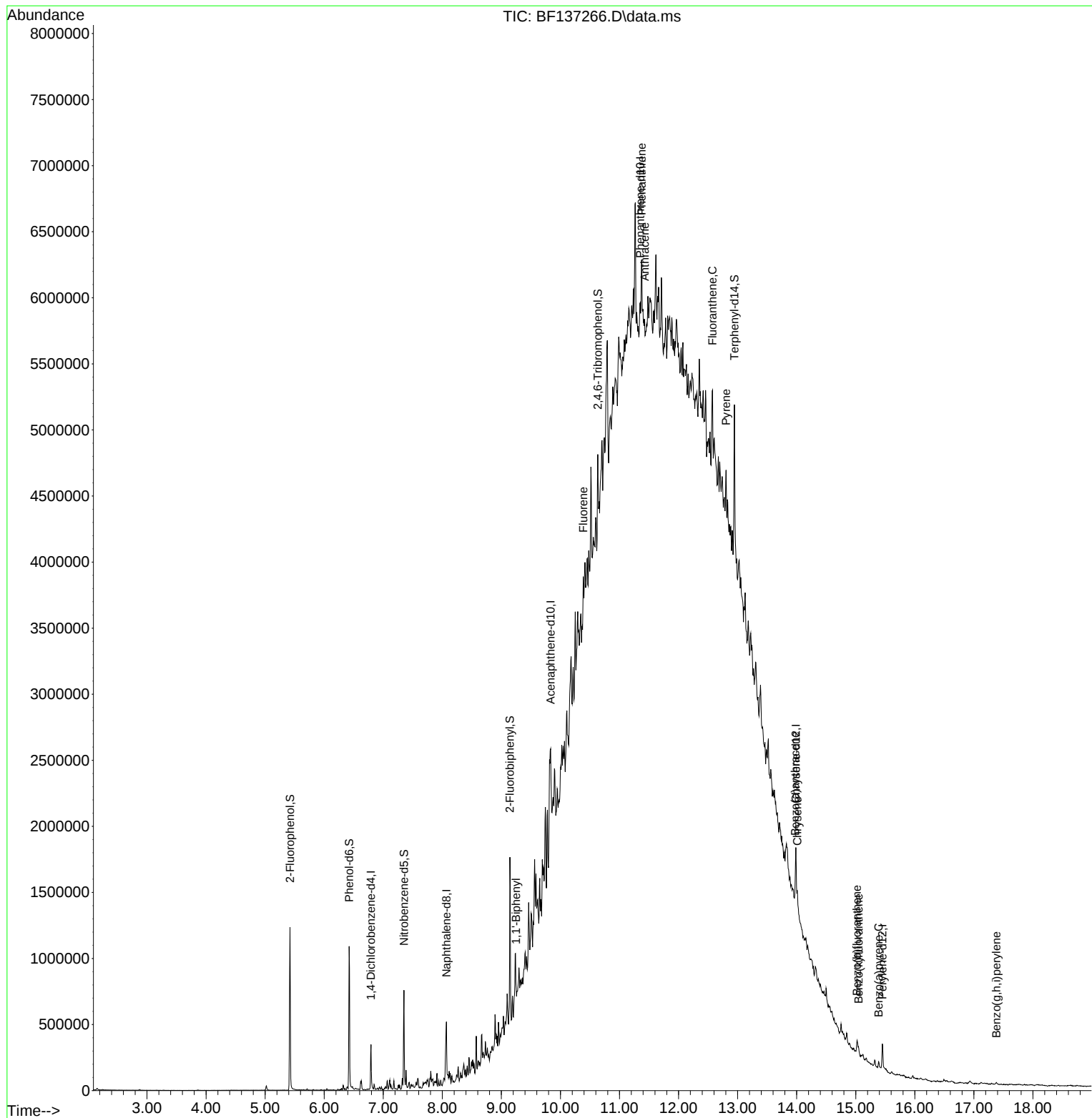
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
Data File : BF137266.D
Acq On : 02 Feb 2024 20:45
Operator : CG\JU
Sample : P1336-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

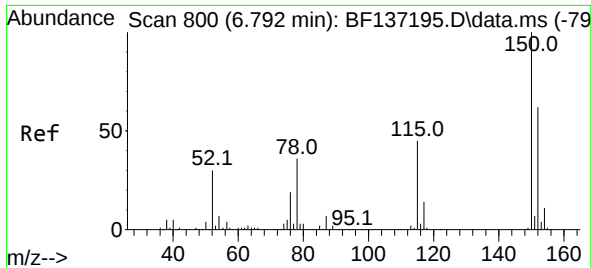
Instrument :
BNA_F
ClientSampleId :
RT4008

Quant Time: Feb 02 22:45:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
Response via : Initial Calibration

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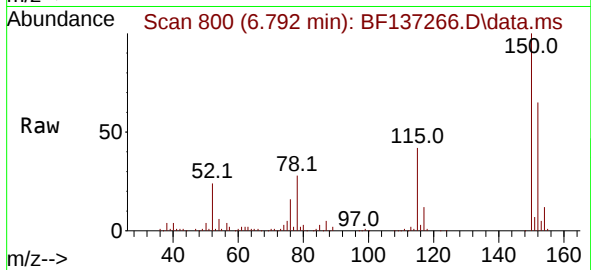
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

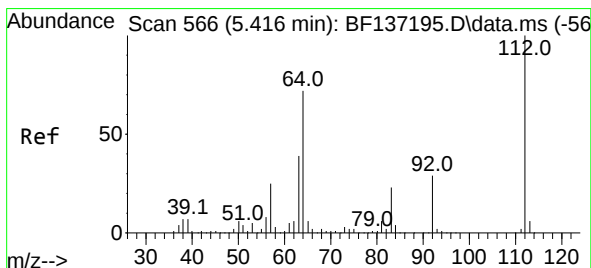
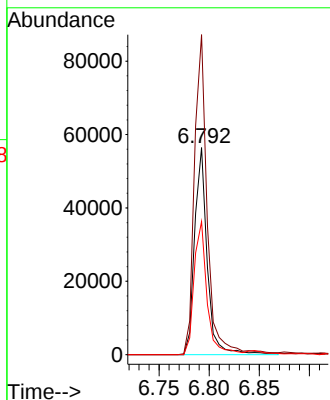
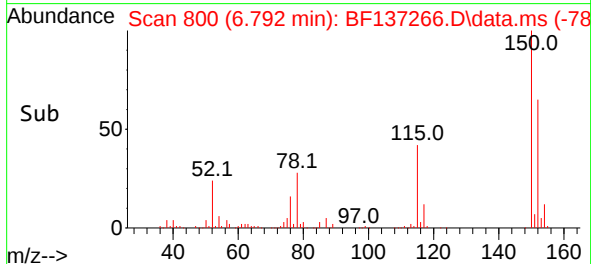
Instrument :
BNA_F
ClientSampleId :
RT4008



Tgt Ion:152 Resp: 49540
Ion Ratio Lower Upper
152 100
150 154.5 129.8 194.8
115 64.3 58.5 87.7

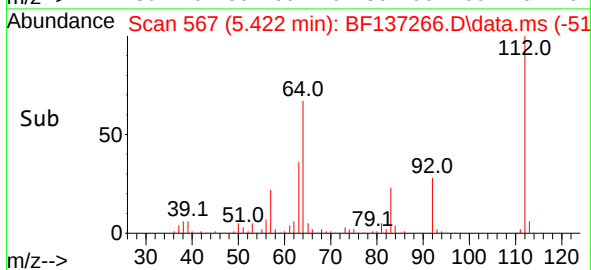
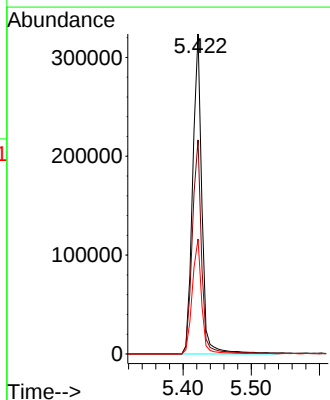
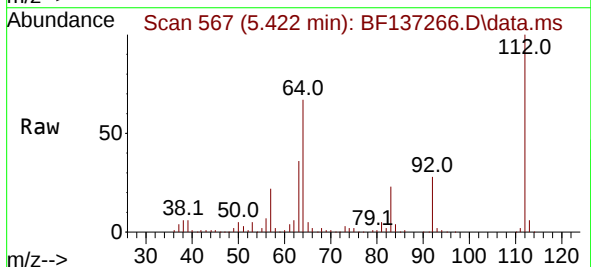
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#5
2-Fluorophenol
Concen: 101.010 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

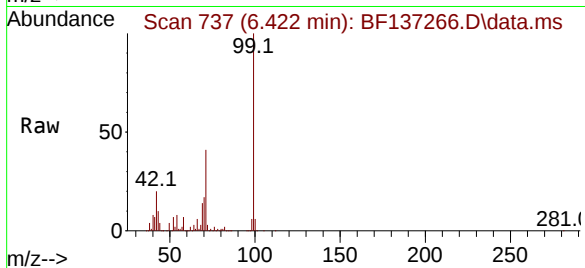
Tgt Ion:112 Resp: 303261
Ion Ratio Lower Upper
112 100
64 66.9 57.8 86.6
63 36.0 31.4 47.0





#7
Phenol-d6
Concen: 89.503 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

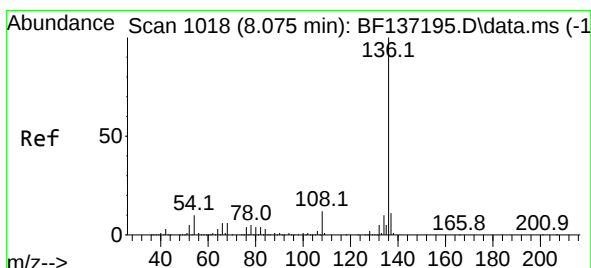
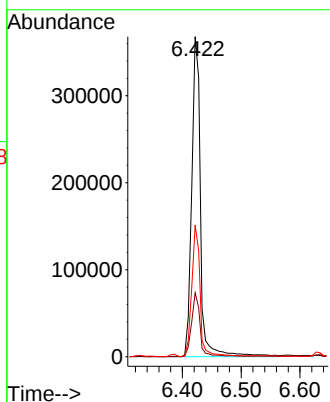
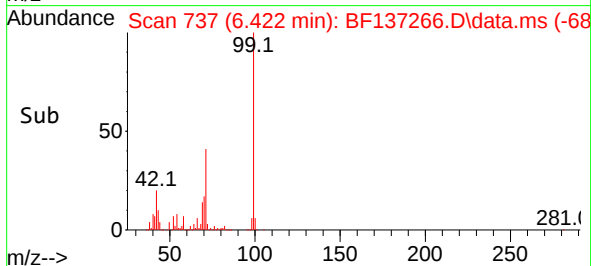
Instrument :
BNA_F
ClientSampleId :
RT4008



Tgt Ion: 99 Resp: 383480
Ion Ratio Lower Upper
99 100
42 19.9 16.4 24.6
71 41.1 32.4 48.6

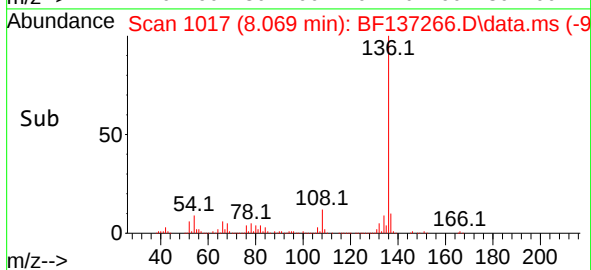
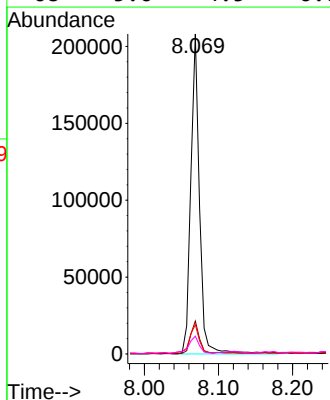
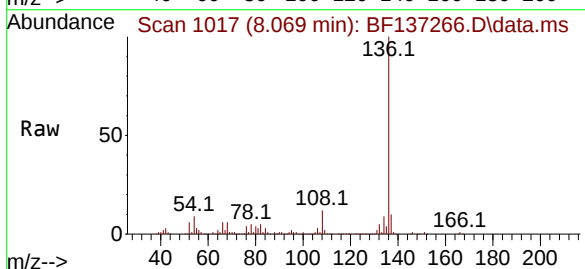
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

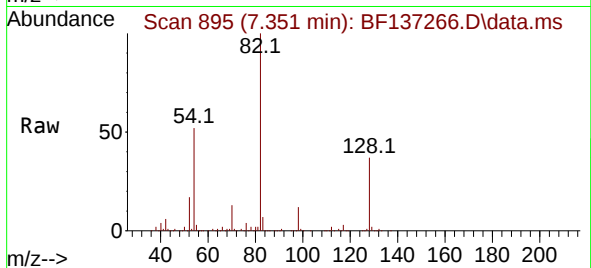
Tgt Ion:136 Resp: 171159
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.1 7.8 11.8
68 5.6 4.5 6.7





#23
Nitrobenzene-d5
Concen: 62.599 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

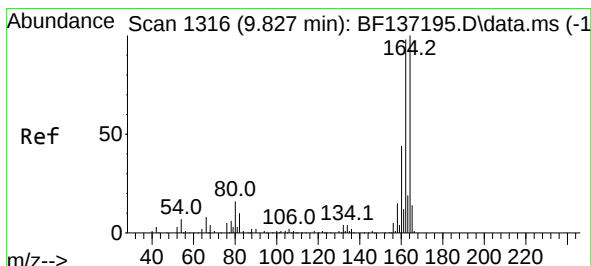
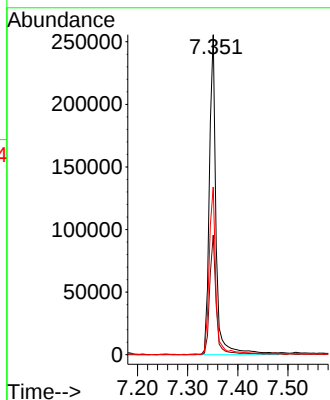
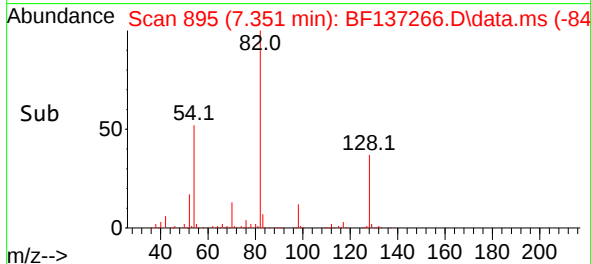
Instrument :
BNA_F
ClientSampleId :
RT4008



Tgt Ion: 82 Resp: 239312
Ion Ratio Lower Upper
82 100
128 37.3 29.1 43.7
54 52.4 45.0 67.6

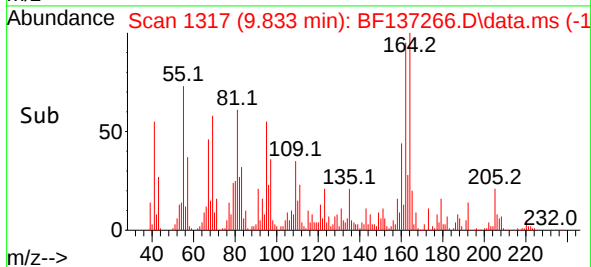
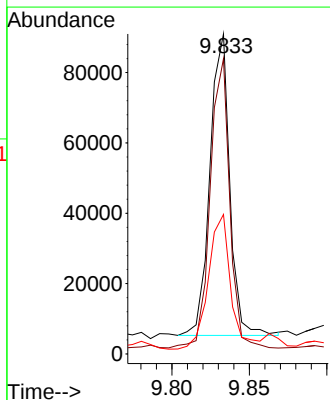
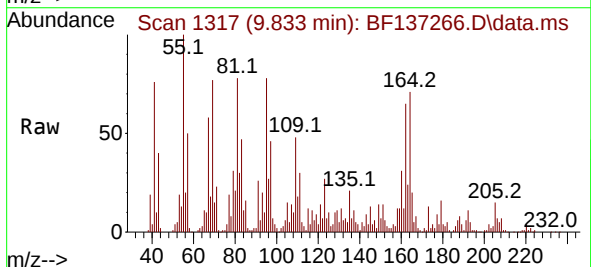
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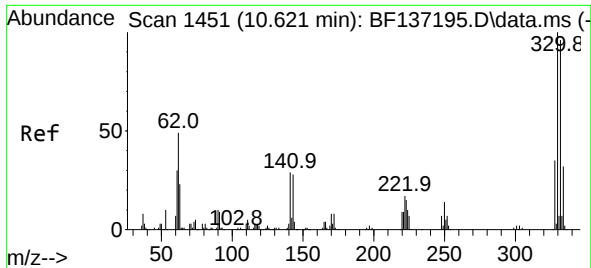
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

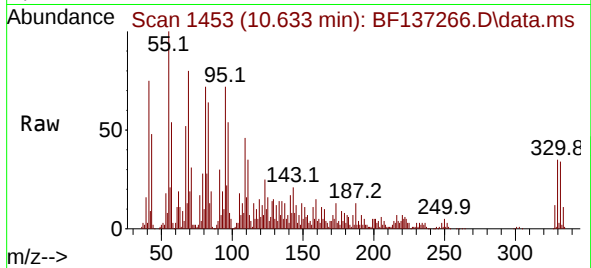
Tgt Ion:164 Resp: 76248
Ion Ratio Lower Upper
164 100
162 92.3 78.3 117.5
160 43.6 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 85.174 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

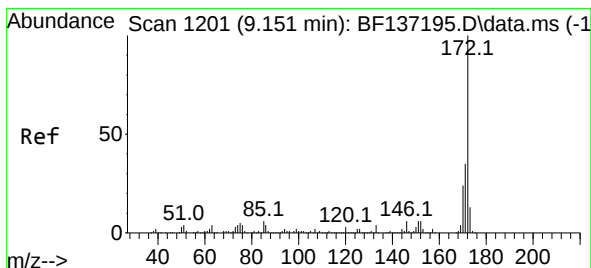
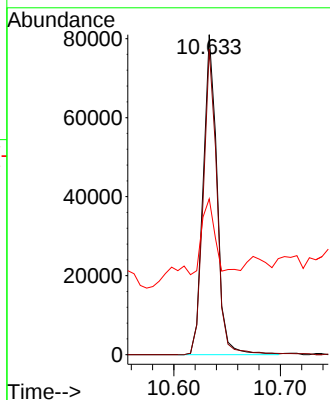
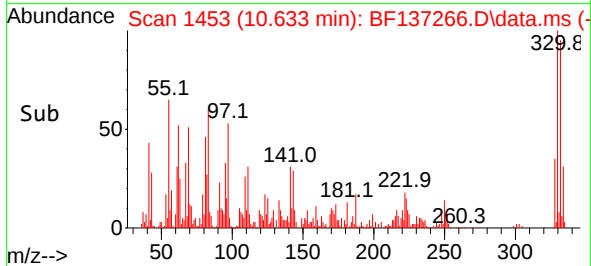
Instrument :
BNA_F
ClientSampleId :
RT4008



Tgt Ion: 330 Resp: 73344
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 23.2 25.2 37.8

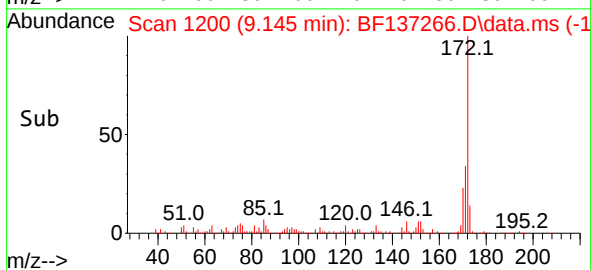
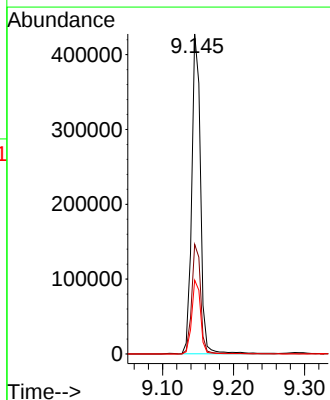
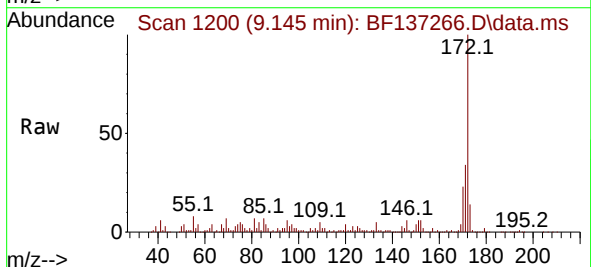
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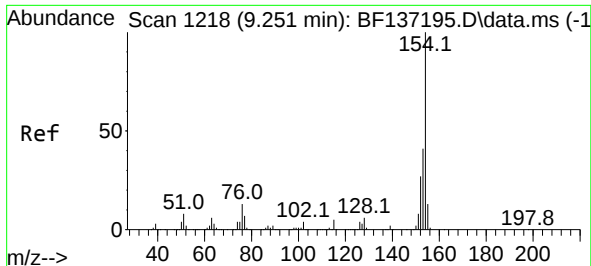
Reviewed By : Jagrut Upadhyay 02/05/2024
Supervised By : mohammad ahmed 02/06/2024



#45
2-Fluorobiphenyl
Concen: 66.278 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

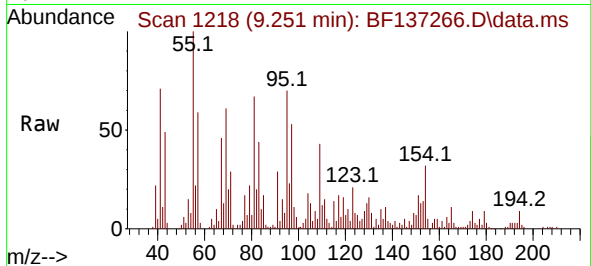
Tgt Ion: 172 Resp: 367623
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.1 19.1 28.7





#46
1,1'-Biphenyl
Concen: 2.429 ng
RT: 9.251 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

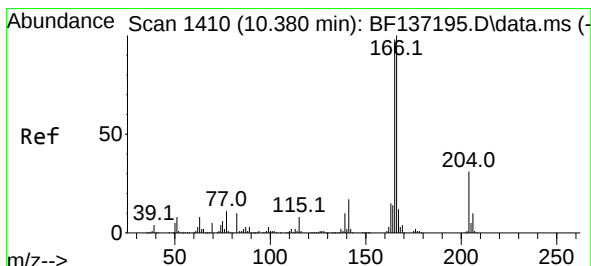
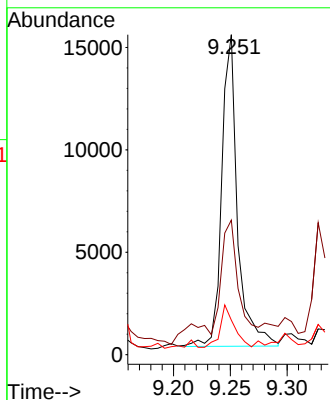
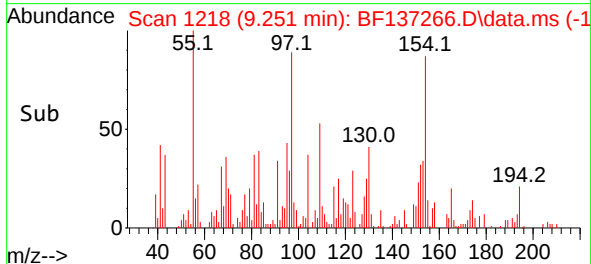
Instrument :
BNA_F
ClientSampleId :
RT4008



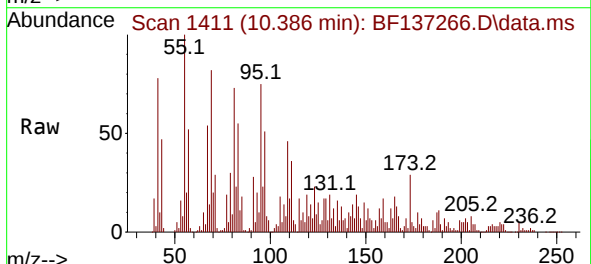
Tgt Ion:154 Resp: 14735
Ion Ratio Lower Upper
154 100
153 42.1 21.2 61.2
76 10.8 0.0 33.0

Manual Integrations
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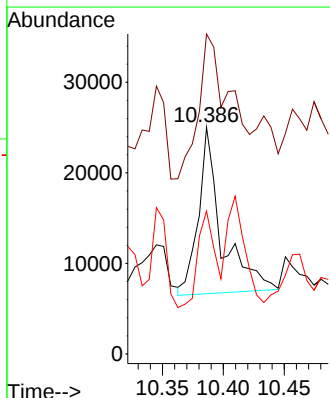
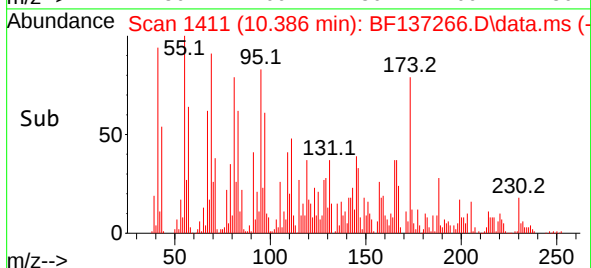
Reviewed By :Jagrut Upadhyay 02/05/2024
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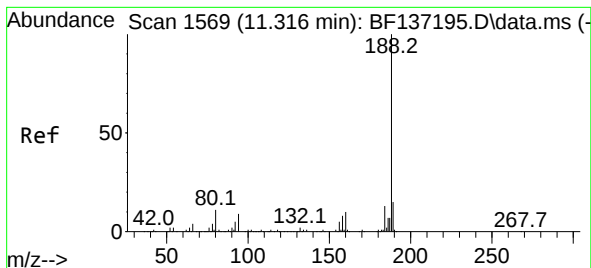


#58
Fluorene
Concen: 4.619 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45



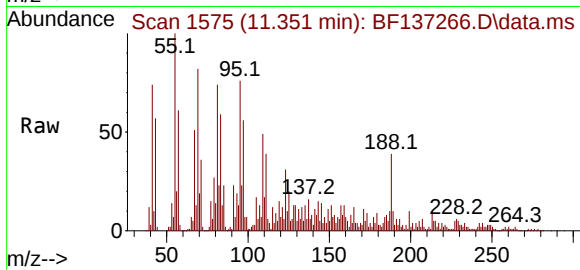
Tgt Ion:166 Resp: 24334
Ion Ratio Lower Upper
166 100
165 141.1 78.5 117.7#
167 63.0 10.0 15.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

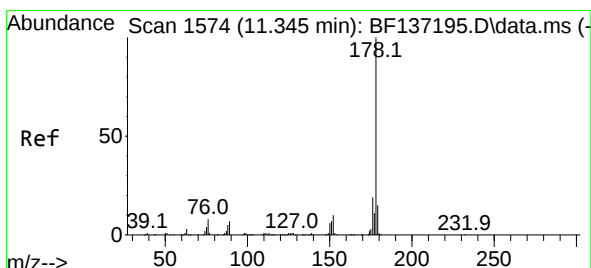
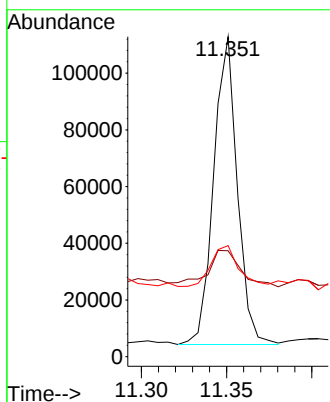
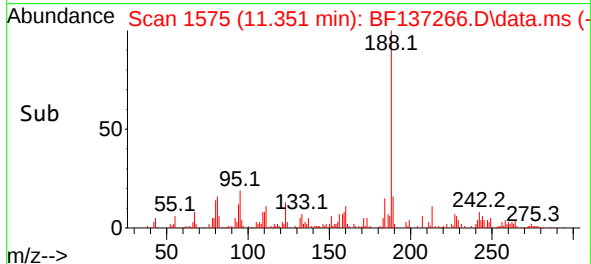
Instrument :
BNA_F
ClientSampleId :
RT4008



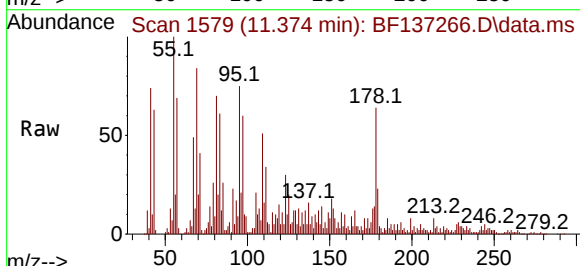
Tgt Ion:188 Resp: 104660
Ion Ratio Lower Upper
188 100
94 33.1 7.0 10.4
80 34.7 8.8 13.2

Manual Integrations
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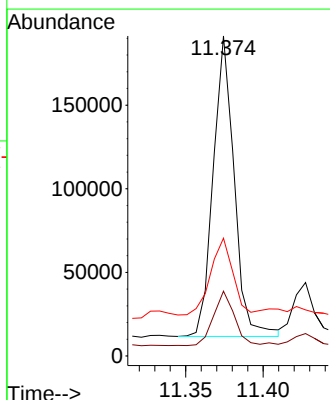
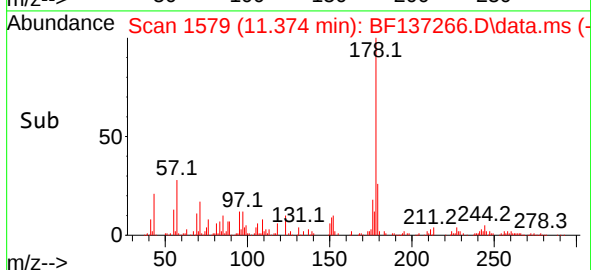
Reviewed By :Jagrut Upadhyay 02/05/2024
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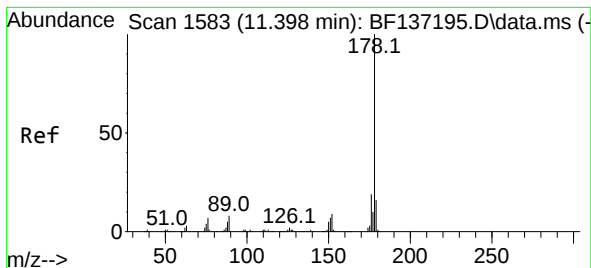


#71
Phenanthrene
Concen: 30.922 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.029 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45



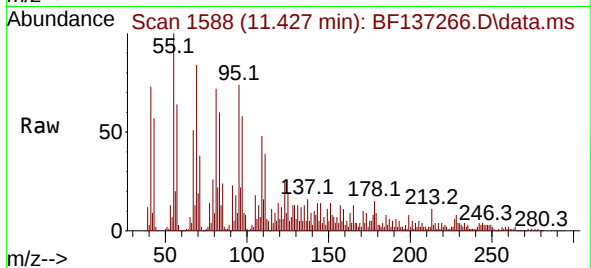
Tgt Ion:178 Resp: 169434
Ion Ratio Lower Upper
178 100
176 20.3 15.1 22.7
179 36.8 12.1 18.1





#72
 Anthracene
 Concen: 5.572 ng
 RT: 11.427 min Scan# 11427
 Delta R.T. 0.029 min
 Lab File: BF137266.D
 Acq: 02 Feb 2024 20:45

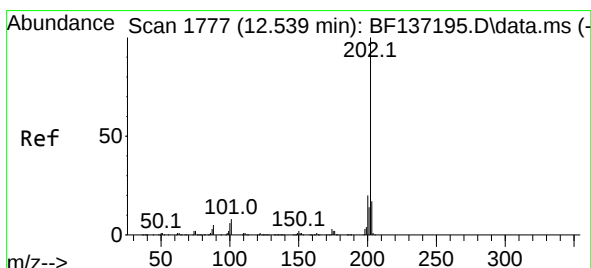
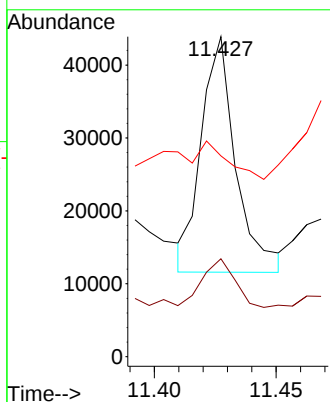
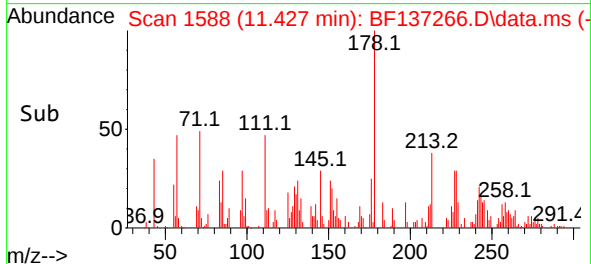
Instrument :
 BNA_F
 ClientSampleId :
 RT4008



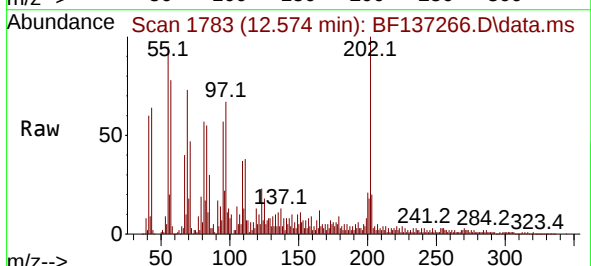
Tgt Ion:178 Resp: 3182
 Ion Ratio Lower Upper
 178 100
 176 30.6 15.3 22.9
 179 62.7 12.7 19.1

Manual Integrations
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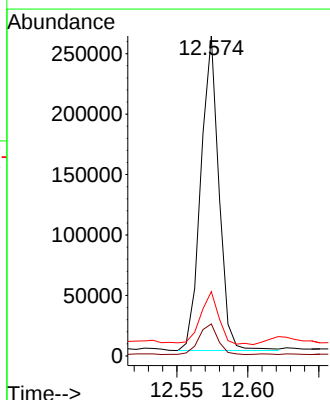
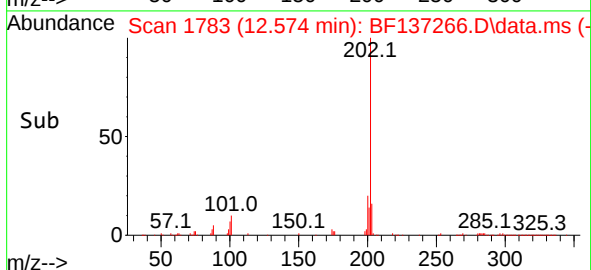
Reviewed By :Jagrut Upadhyay 02/05/2024
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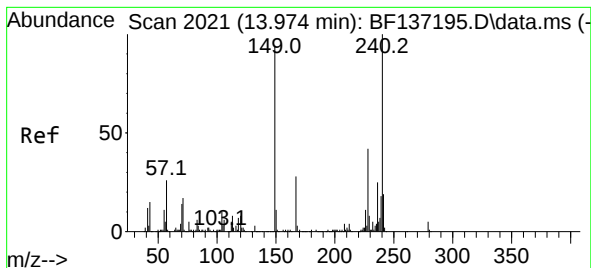


#75
 Fluoranthene
 Concen: 40.300 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.035 min
 Lab File: BF137266.D
 Acq: 02 Feb 2024 20:45



Tgt Ion:202 Resp: 231069
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 28.4
 203 20.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF137266.D

Acq: 02 Feb 2024 20:45

Instrument :

BNA_F

ClientSampleId :

RT4008

Tgt Ion:240 Resp: 13369

Ion Ratio Lower Upper

240 100

120 12.0 6.3 9.5

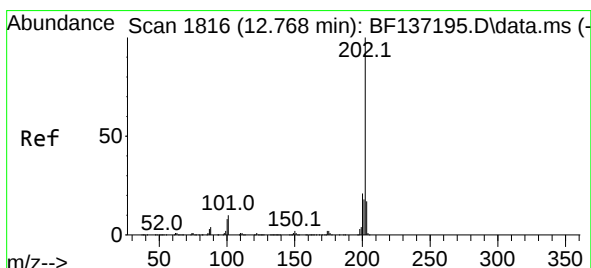
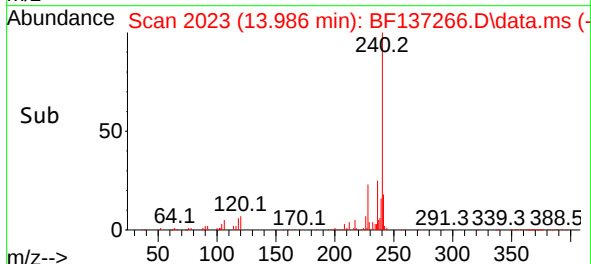
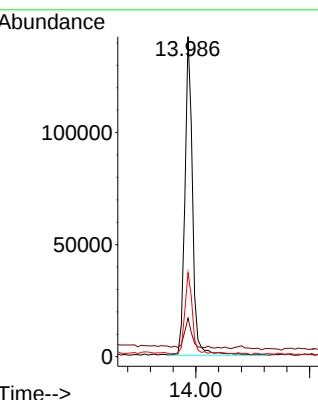
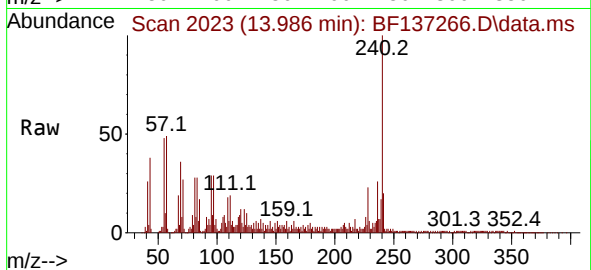
236 26.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#78

Pyrene

Concen: 13.974 ng m

RT: 12.804 min Scan# 1822

Delta R.T. 0.035 min

Lab File: BF137266.D

Acq: 02 Feb 2024 20:45

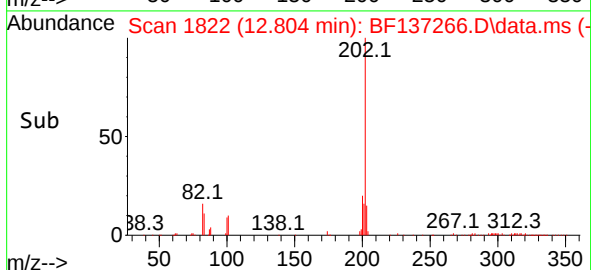
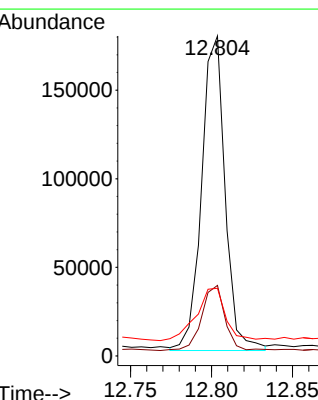
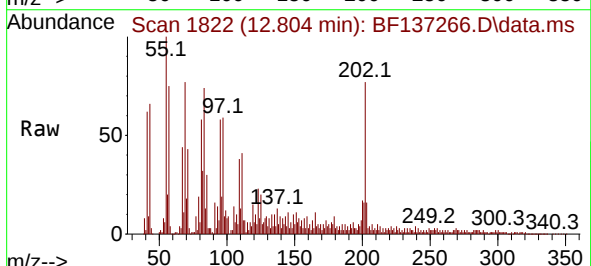
Tgt Ion:202 Resp: 179542

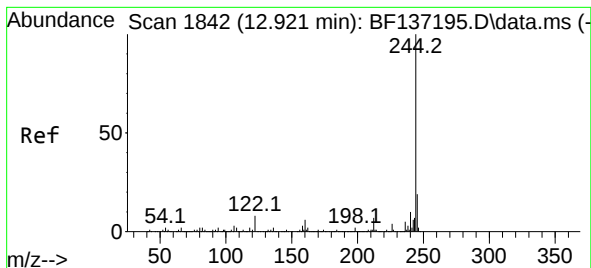
Ion Ratio Lower Upper

202 100

200 22.1 16.5 24.7

203 21.1 13.8 20.6#





#79

Terphenyl-d14

Concen: 42.222 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.023 min

Lab File: BF137266.D

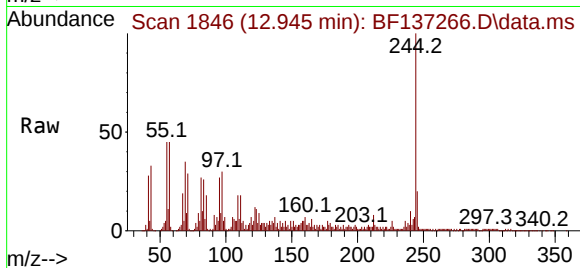
Acq: 02 Feb 2024 20:45

Instrument :

BNA_F

ClientSampleId :

RT4008



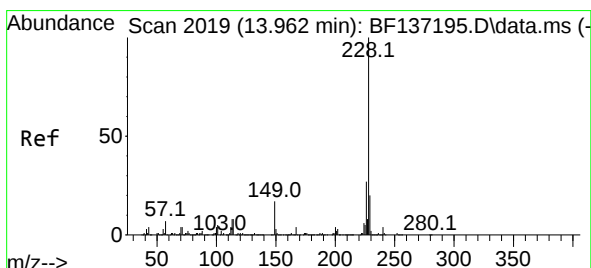
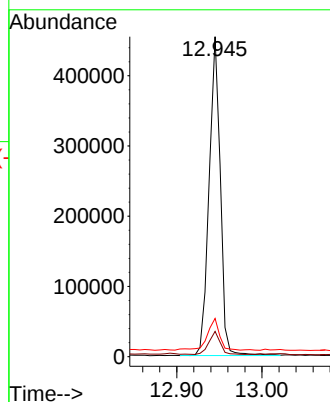
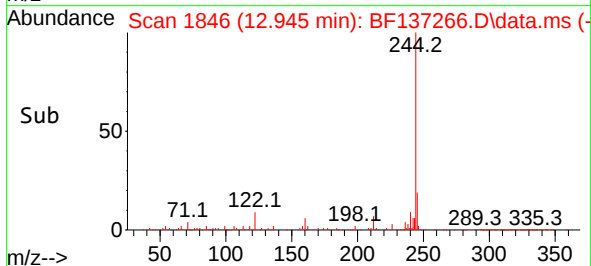
Tgt Ion:244 Resp: 415220

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.5	8.3
122	12.0	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#81

Benzo(a)anthracene

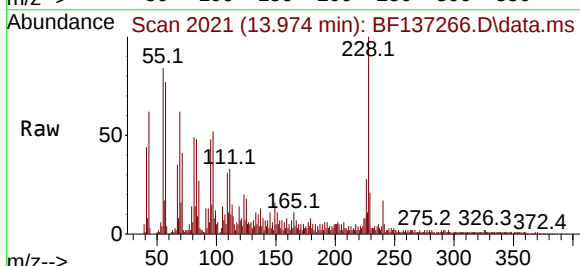
Concen: 8.751 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.012 min

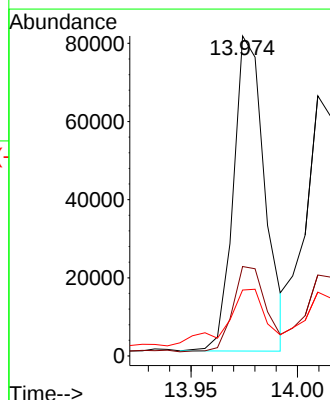
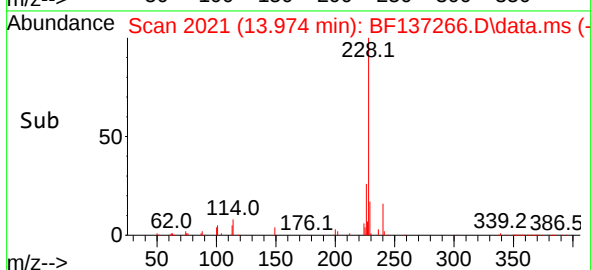
Lab File: BF137266.D

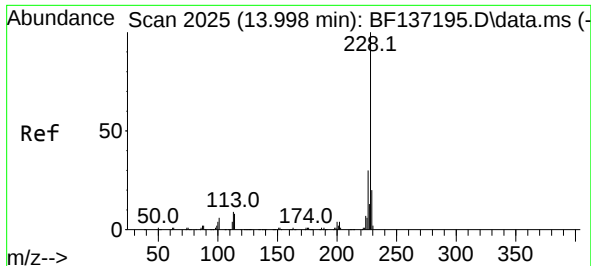
Acq: 02 Feb 2024 20:45



Tgt Ion:228 Resp: 82858

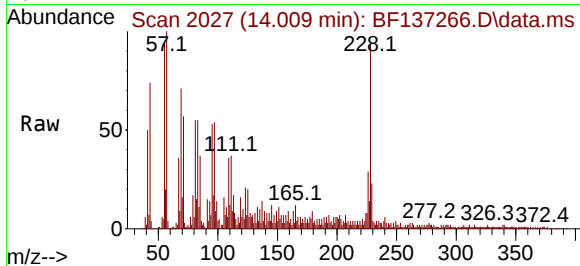
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.6	32.4
229	20.6	15.8	23.6





#83
Chrysene
Concen: 8.030 ng m
RT: 14.009 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

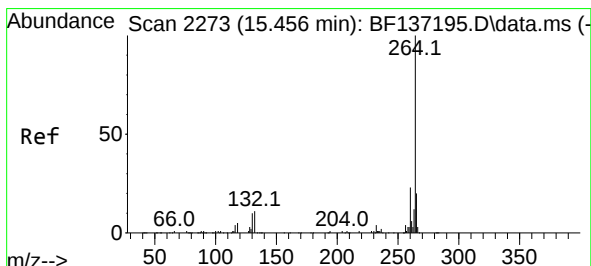
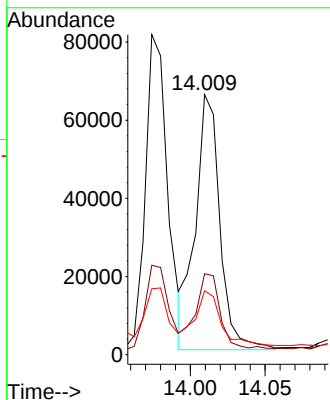
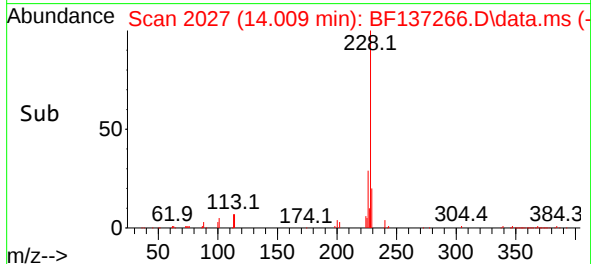
Instrument :
BNA_F
ClientSampleId :
RT4008



Tgt Ion:228 Resp: 7475
Ion Ratio Lower Upper
228 100
226 31.1 23.7 35.5
229 24.6 15.6 23.4

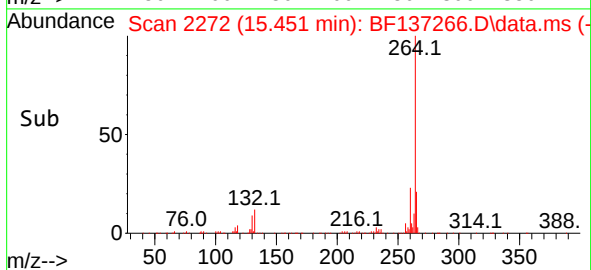
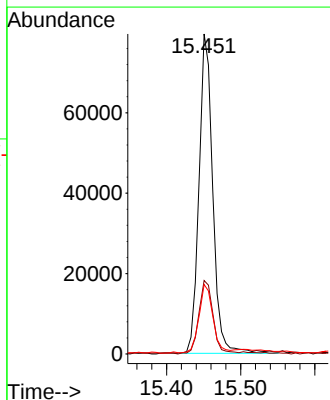
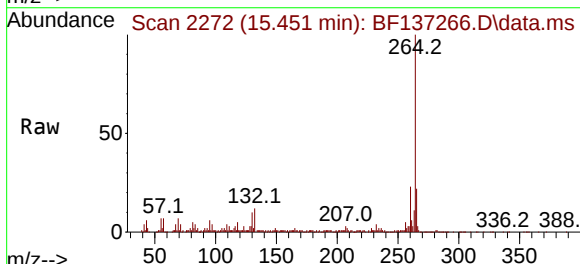
Manual Integrations
APPROVED

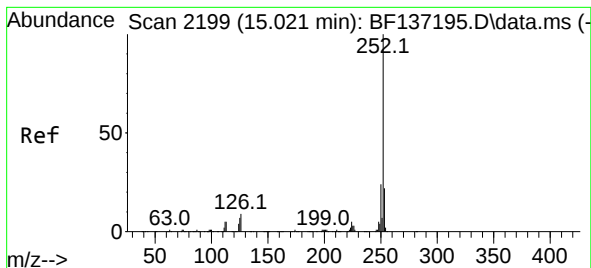
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

Tgt Ion:264 Resp: 103266
Ion Ratio Lower Upper
264 100
260 23.0 18.2 27.4
265 21.7 16.2 24.2





#88

Benzo(b)fluoranthene

Concen: 8.149 ng m

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF137266.D

Acq: 02 Feb 2024 20:45

Instrument :

BNA_F

ClientSampleId :

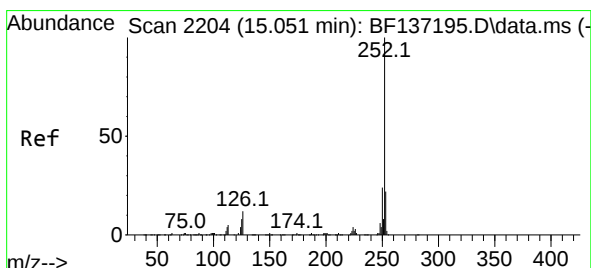
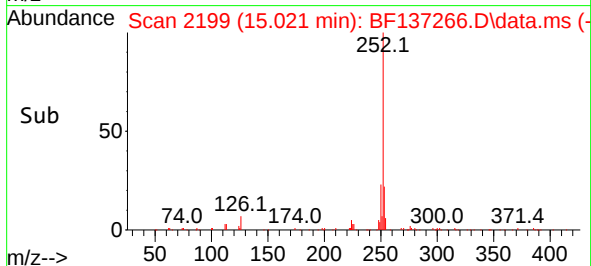
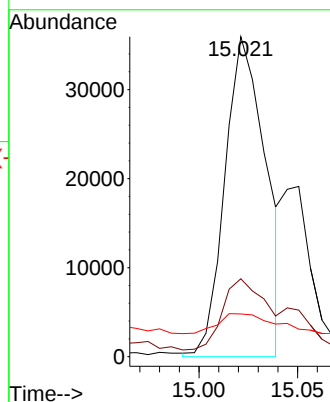
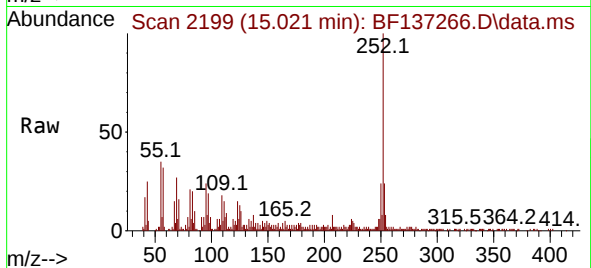
RT4008

Tgt Ion:	252	Resp:	5175
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	13.4	5.4	8.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#89

Benzo(k)fluoranthene

Concen: 2.893 ng m

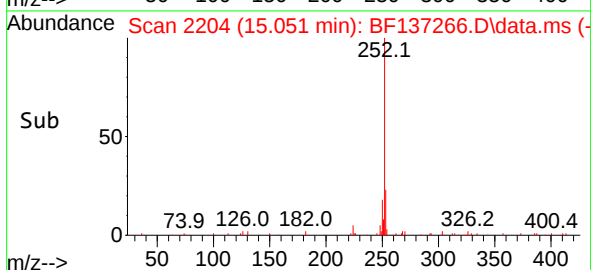
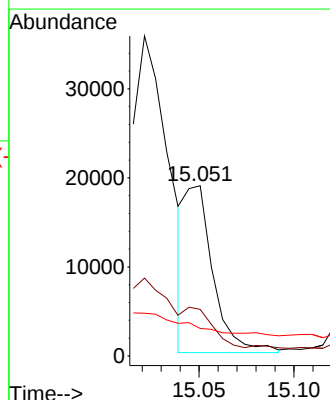
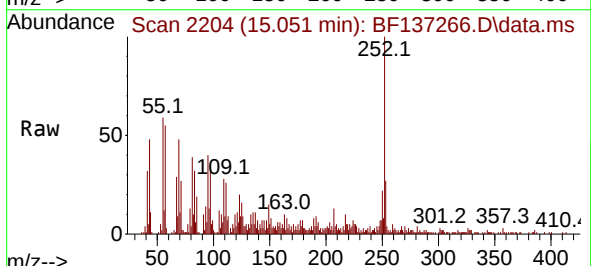
RT: 15.051 min Scan# 2204

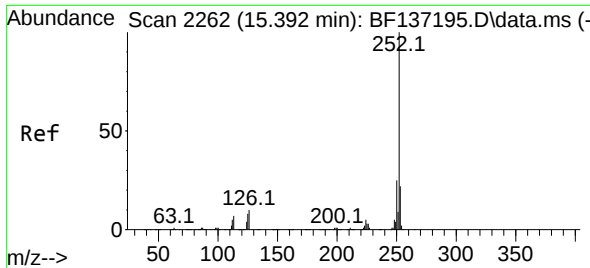
Delta R.T. -0.000 min

Lab File: BF137266.D

Acq: 02 Feb 2024 20:45

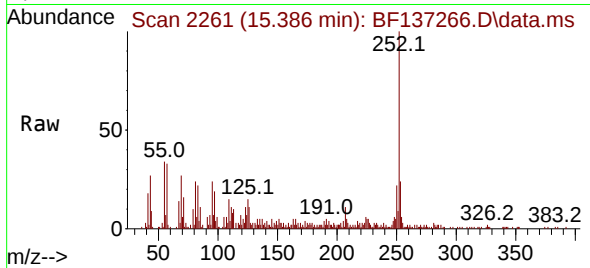
Tgt Ion:	252	Resp:	19433
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.0	25.6#
125	16.1	5.9	8.9#





#90
Benzo(a)pyrene
Concen: 4.394 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

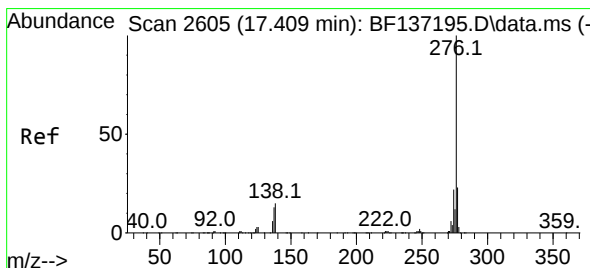
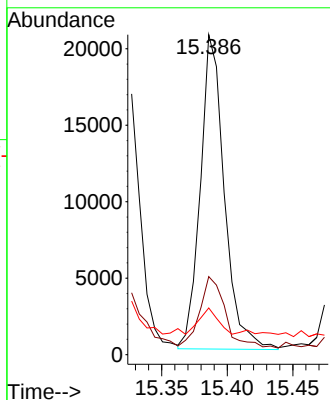
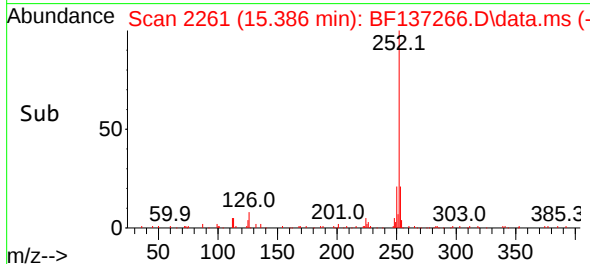
Instrument :
BNA_F
ClientSampleId :
RT4008



Tgt Ion:252 Resp: 2626
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 14.6 6.5 9.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#92
Benzo(g,h,i)perylene
Concen: 2.069 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF137266.D
Acq: 02 Feb 2024 20:45

Tgt Ion:276 Resp: 11802
Ion Ratio Lower Upper
276 100
277 30.4 18.4 27.6#
138 13.1 11.8 17.8

