

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139617.D
 Acq On : 02 Oct 2024 20:10
 Operator : RC/JU
 Sample : P4235-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5376

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
 Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 03 01:53:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	83651	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	305538	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153488	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	233606	20.000	ng	0.00
76) Chrysene-d12	14.027	240	163139	20.000	ng	0.00
86) Perylene-d12	15.498	264	151334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	97177	20.135	ng	-0.01
7) Phenol-d6	6.487	99	145136	22.362	ng	-0.02
23) Nitrobenzene-d5	7.422	82	92321	15.298	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	18384	12.408	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	177315	17.735	ng	0.00
79) Terphenyl-d14	12.969	244	141711	14.253	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	155346	14.104	ng	100
72) Anthracene	11.463	178	38102	3.497	ng	99
75) Fluoranthene	12.598	202	325205	27.009	ng	100
78) Pyrene	12.827	202	260983	17.887	ng	98
81) Benzo(a)anthracene	14.016	228	210104	19.589	ng	99
83) Chrysene	14.051	228	165764	16.904	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	53304	5.984	ng	95
88) Benzo(b)fluoranthene	15.068	252	205790m	21.031	ng	
89) Benzo(k)fluoranthene	15.086	252	65695m	7.915	ng	
90) Benzo(a)pyrene	15.433	252	123713	16.034	ng	100
91) Dibenzo(a,h)anthracene	16.968	278	16290m	2.205	ng	
92) Benzo(g,h,i)perylene	17.404	276	45503	6.141	ng	99

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

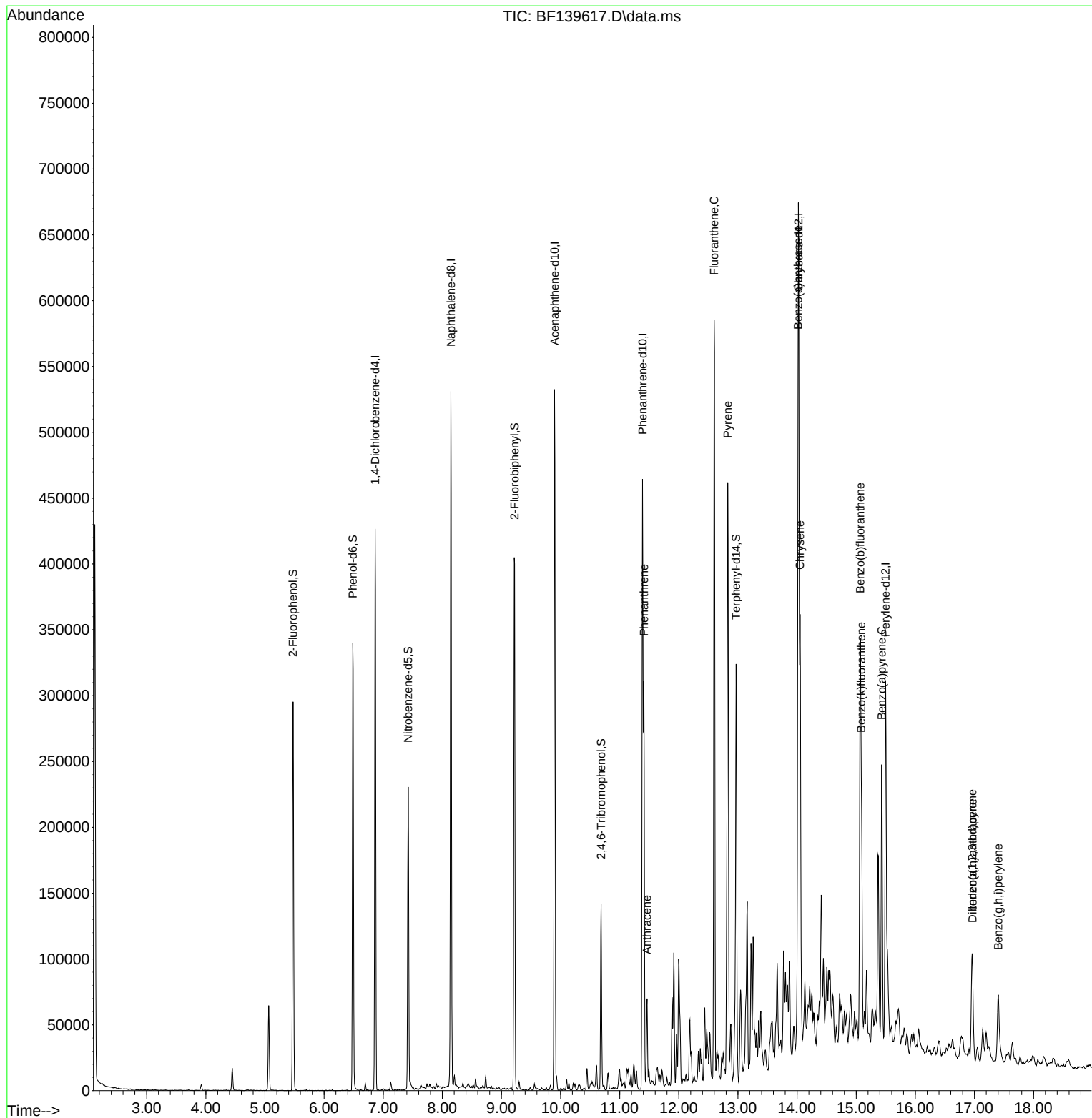
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
Data File : BF139617.D
Acq On : 02 Oct 2024 20:10
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

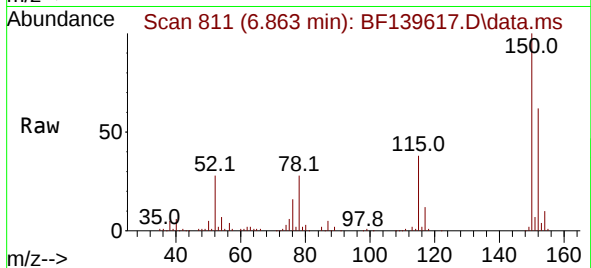
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

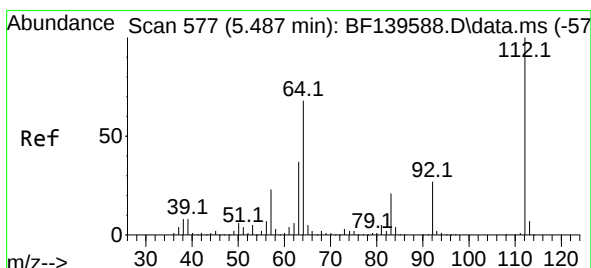
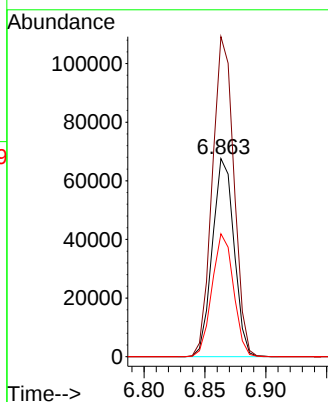
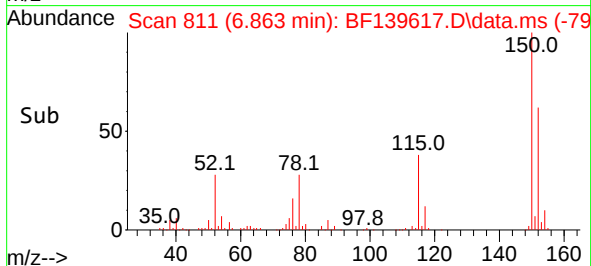
Instrument :
BNA_F
ClientSampleId :
RT5376



Tgt Ion:152 Resp: 8365
Ion Ratio Lower Upper
152 100
150 161.5 127.2 190.8
115 62.1 49.0 73.4

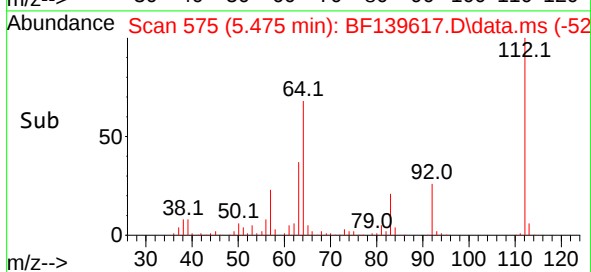
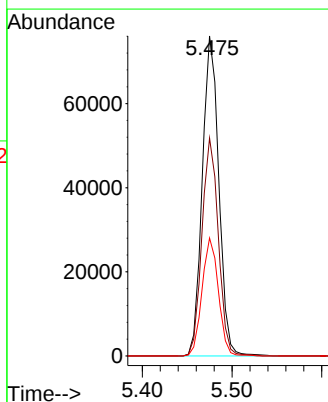
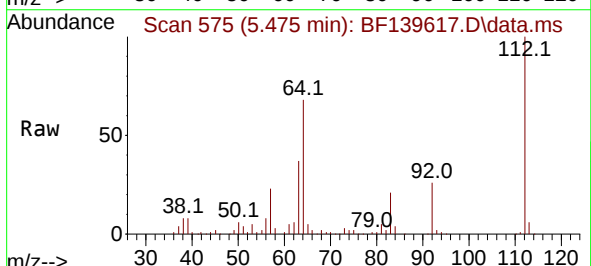
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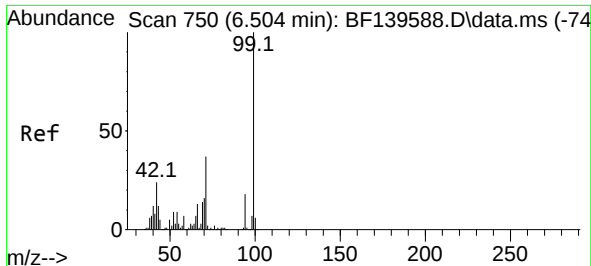
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#5
2-Fluorophenol
Concen: 20.135 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

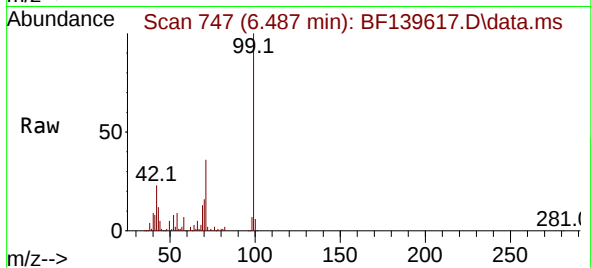
Tgt Ion:112 Resp: 97177
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 36.9 29.4 44.2





#7
Phenol-d6
Concen: 22.362 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

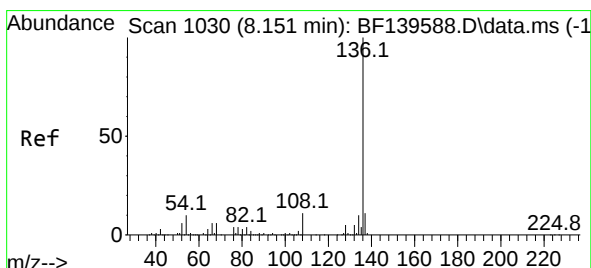
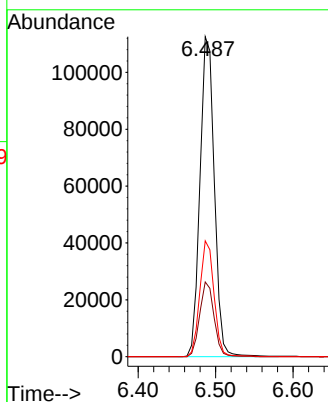
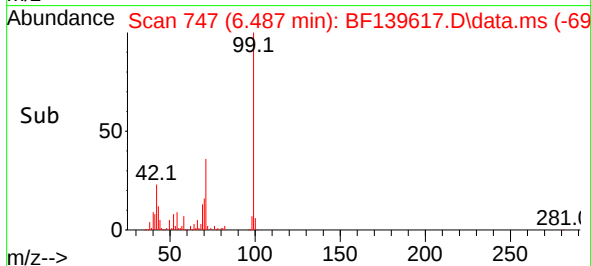
Instrument :
BNA_F
ClientSampleId :
RT5376



Tgt Ion: 99 Resp: 145130
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 36.2 29.7 44.5

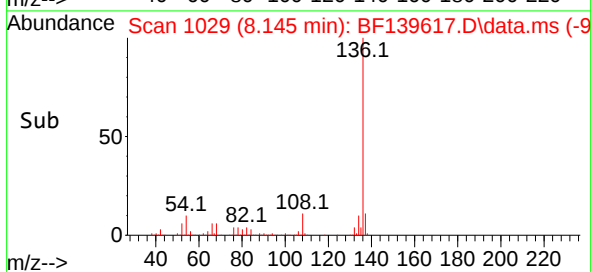
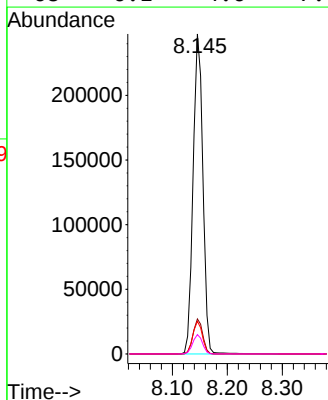
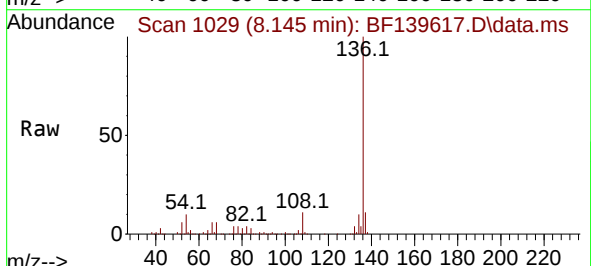
Manual Integrations
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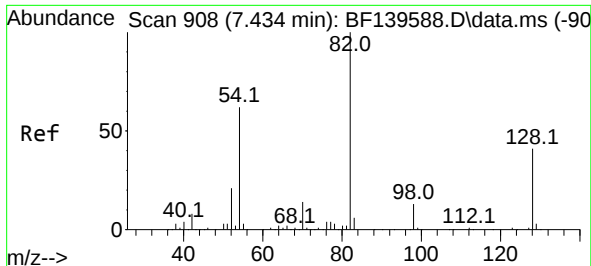
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:136 Resp: 305538
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.2 8.3 12.5
68 6.1 4.6 7.0





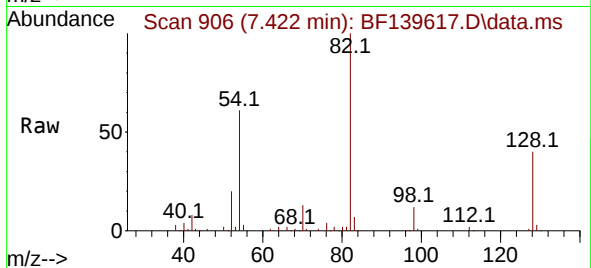
#23
Nitrobenzene-d5
Concen: 15.298 ng
RT: 7.422 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

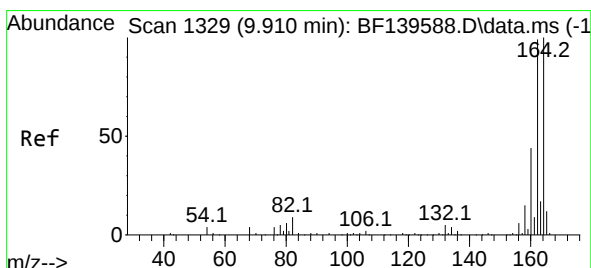
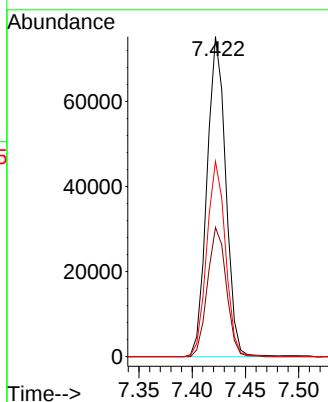
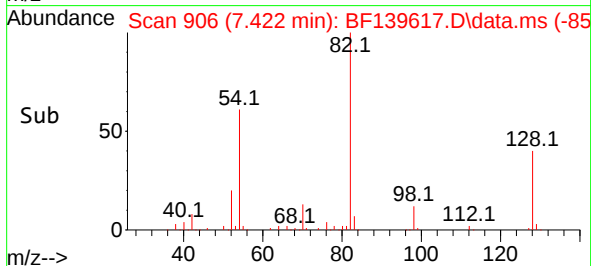


Tgt Ion: 82 Resp: 9232
Ion Ratio Lower Upper
82 100
128 40.4 32.4 48.6
54 61.0 49.1 73.7

Manual Integrations

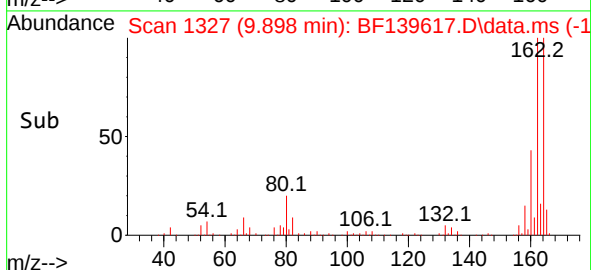
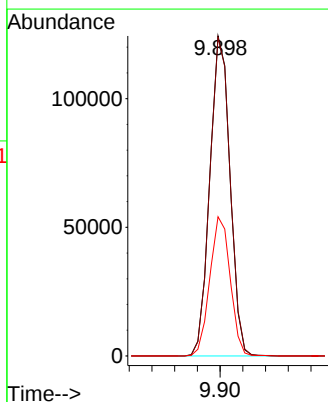
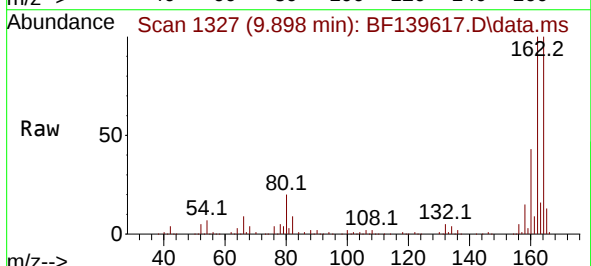
APPROVED

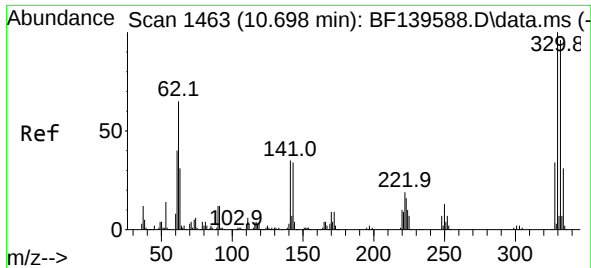
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Tgt Ion:164 Resp: 153488
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 43.5 35.1 52.7





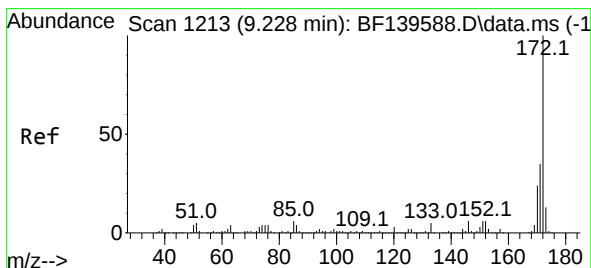
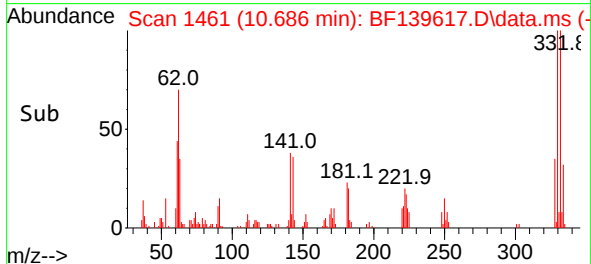
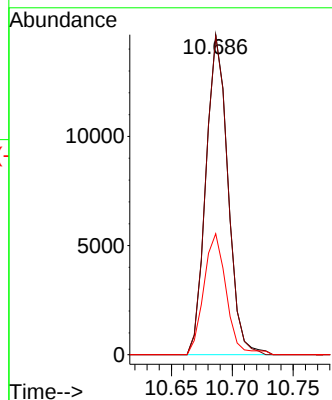
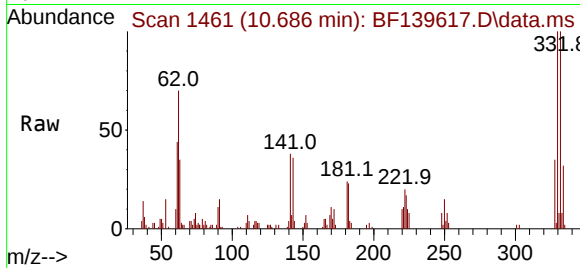
#42
2,4,6-Tribromophenol
Concen: 12.408 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Instrument :
BNA_F
ClientSampleId :
RT5376

Tgt Ion: 330 Resp: 18384
Ion Ratio Lower Upper
330 100
332 99.4 76.5 114.7
141 38.6 29.3 43.9

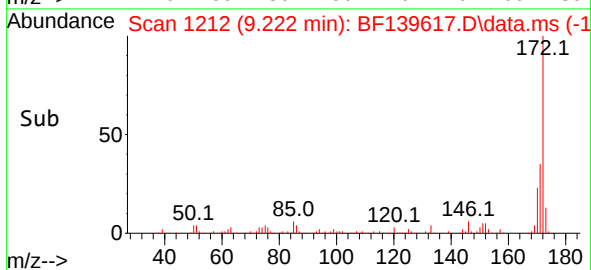
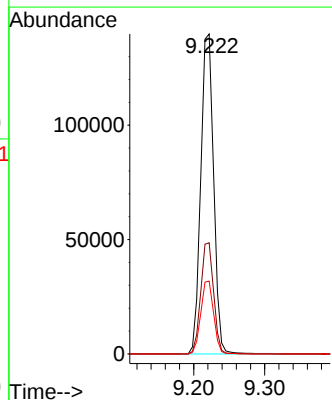
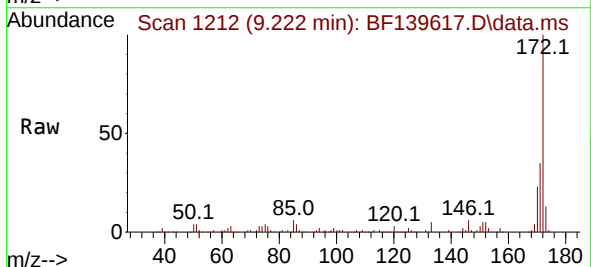
Manual Integrations
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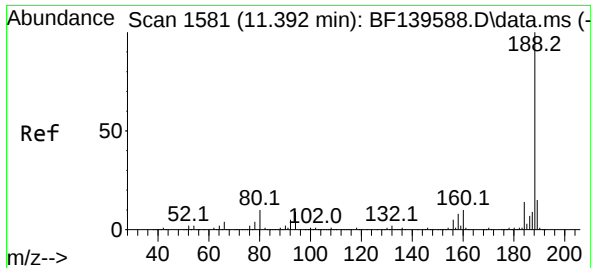
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#45
2-Fluorobiphenyl
Concen: 17.735 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

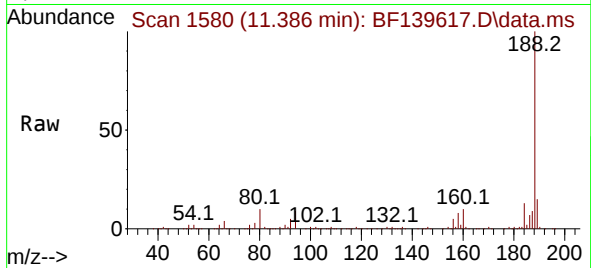
Tgt Ion: 172 Resp: 177315
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 22.7 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

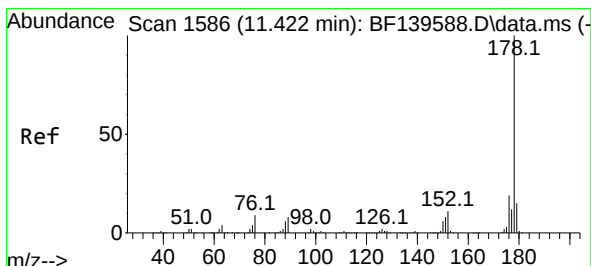
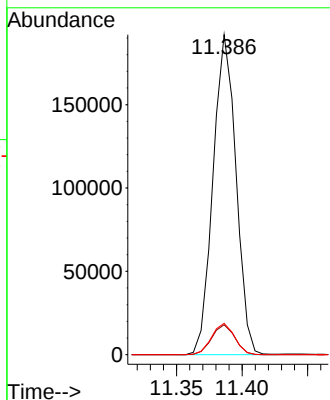
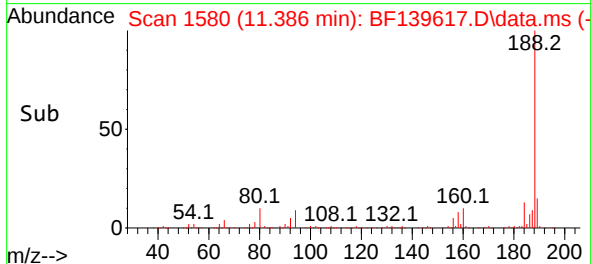
Instrument :
BNA_F
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RT5376



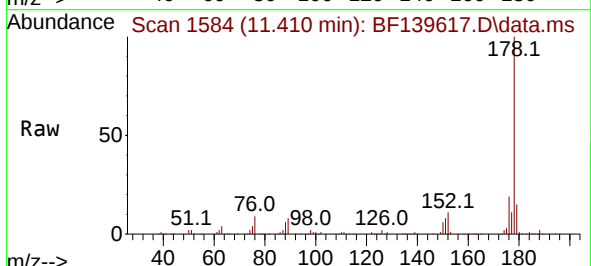
Tgt Ion:188 Resp: 233600
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.8 8.2 12.2

Manual Integrations
APPROVED

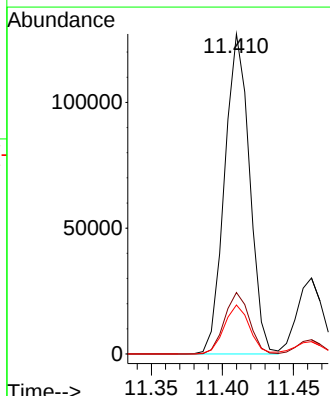
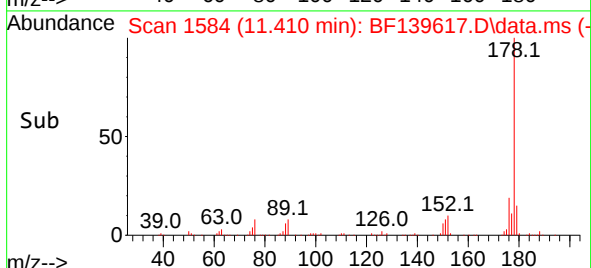
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

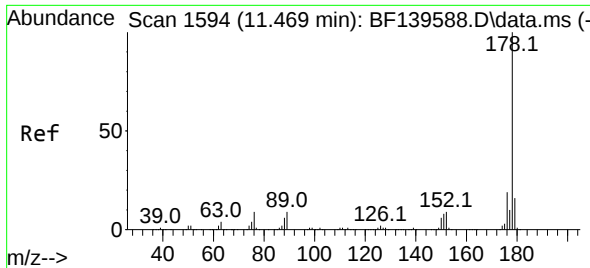


#71
Phenanthrene
Concen: 14.104 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10



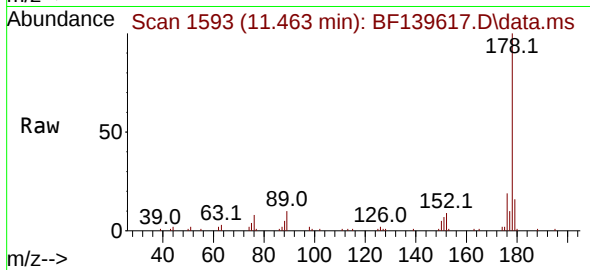
Tgt Ion:178 Resp: 155346
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.3 18.5





#72
 Anthracene
 Concen: 3.497 ng
 RT: 11.463 min Scan# 11463
 Delta R.T. -0.006 min
 Lab File: BF139617.D
 Acq: 02 Oct 2024 20:10

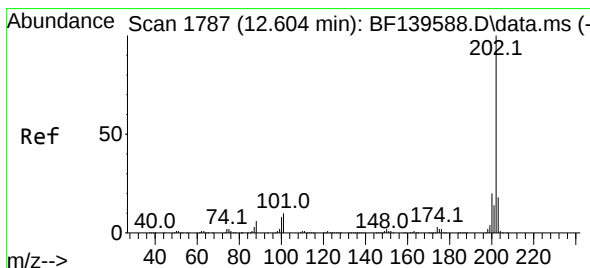
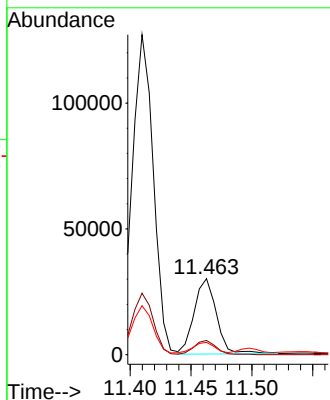
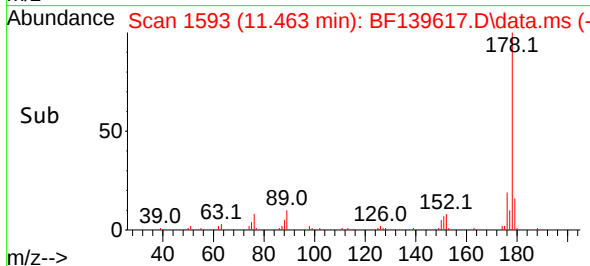
Instrument :
 BNA_F
 ClientSampleId :
 RT5376



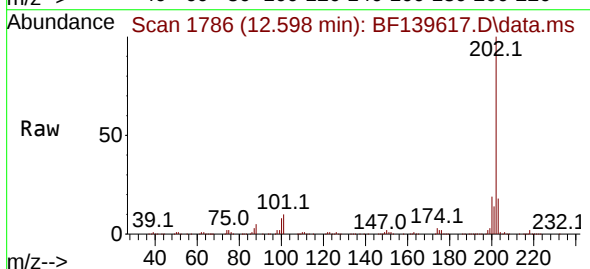
Tgt Ion:178 Resp: 38102
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 16.2 12.5 18.7

Manual Integrations
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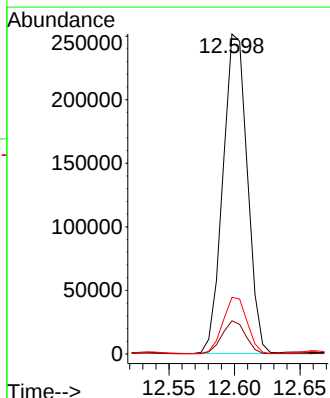
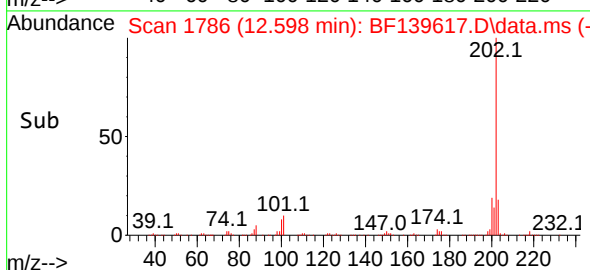
Reviewed By :Jagrut Upadhyay 10/03/2024
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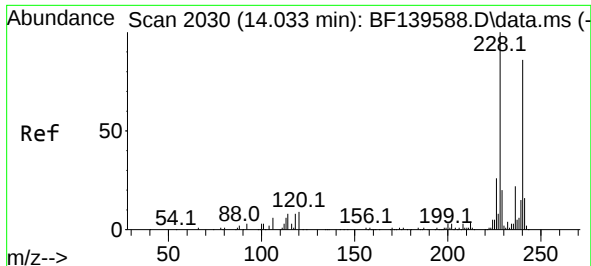


#75
 Fluoranthene
 Concen: 27.009 ng
 RT: 12.598 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF139617.D
 Acq: 02 Oct 2024 20:10



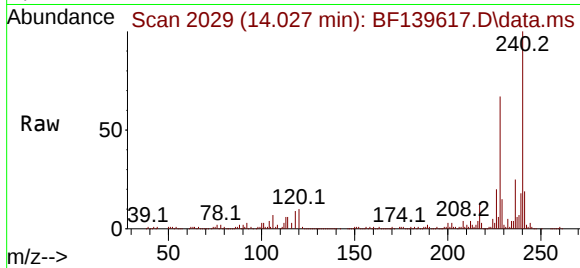
Tgt Ion:202 Resp: 325205
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.2
 203 17.7 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

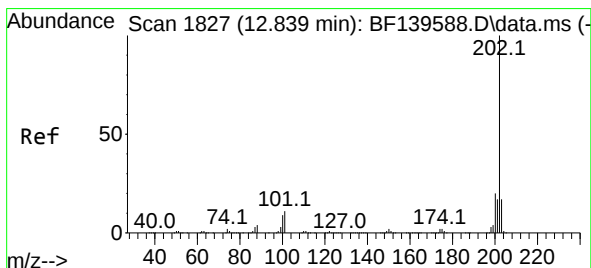
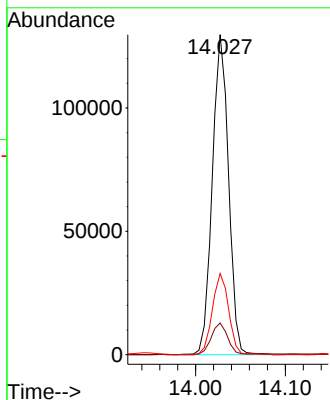
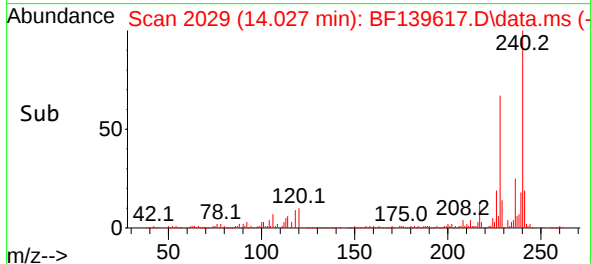
Instrument :
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RT5376



Tgt Ion:240 Resp: 163139
Ion Ratio Lower Upper
240 100
120 9.9 8.4 12.6
236 25.4 20.3 30.5

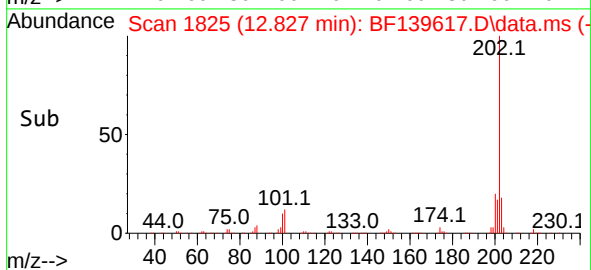
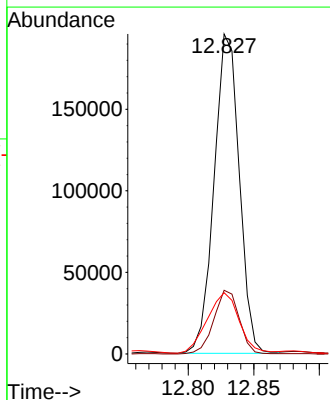
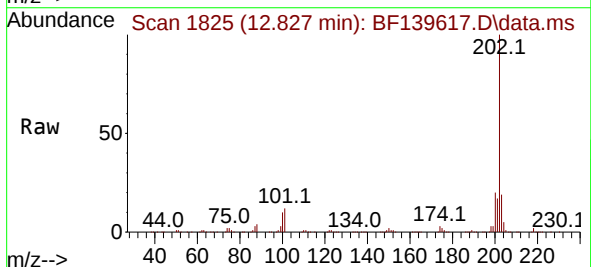
Manual Integrations
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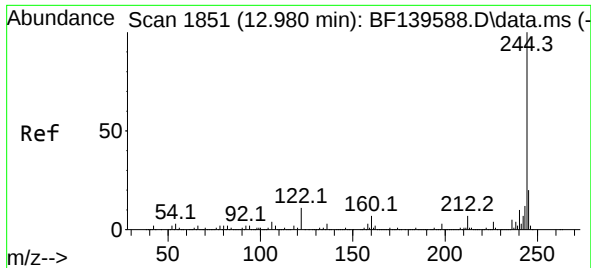
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#78
Pyrene
Concen: 17.887 ng
RT: 12.827 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

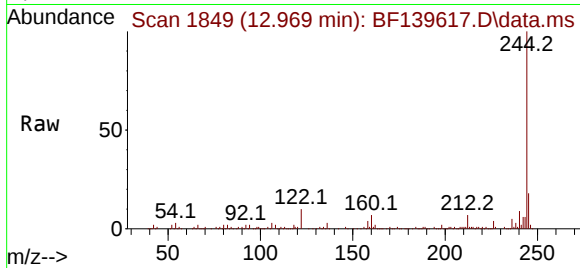
Tgt Ion:202 Resp: 260983
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.6
203 19.1 13.8 20.8





#79
 Terphenyl-d14
 Concen: 14.253 ng
 RT: 12.969 min Scan# 1849
 Delta R.T. -0.011 min
 Lab File: BF139617.D
 Acq: 02 Oct 2024 20:10

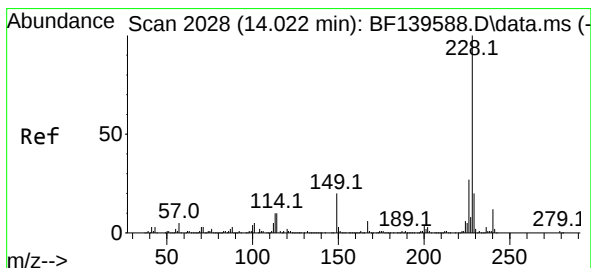
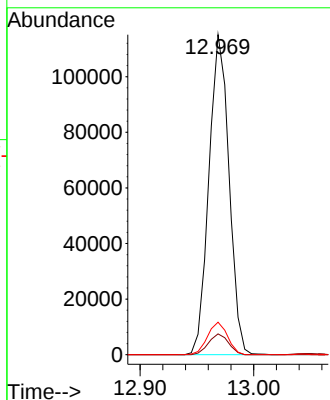
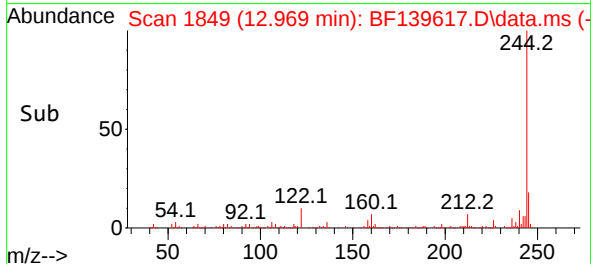
Instrument :
 BNA_F
 ClientSampleId :
 RT5376



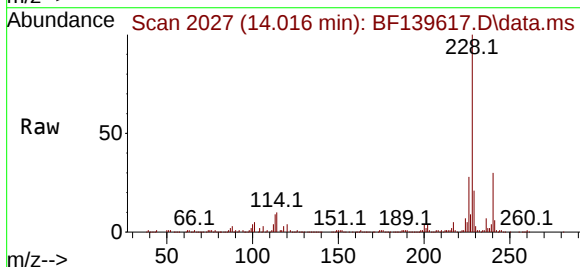
Tgt Ion:244 Resp: 141711
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 10.1 8.6 12.8

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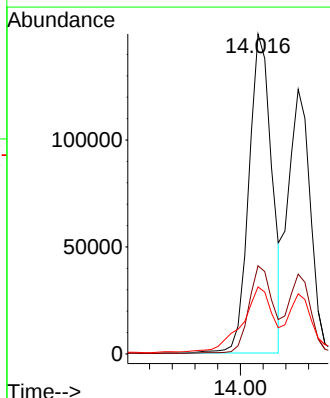
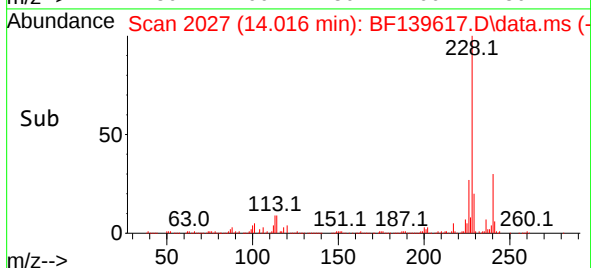
Reviewed By :Jagrut Upadhyay 10/03/2024
 Supervised By :mohammad ahmed 10/04/2024

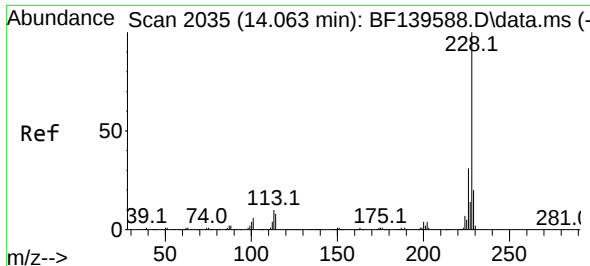


#81
 Benzo(a)anthracene
 Concen: 19.589 ng
 RT: 14.016 min Scan# 2027
 Delta R.T. -0.006 min
 Lab File: BF139617.D
 Acq: 02 Oct 2024 20:10



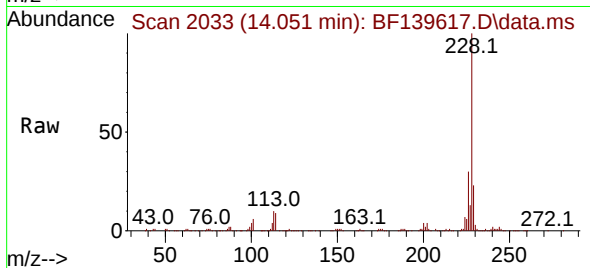
Tgt Ion:228 Resp: 210104
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.8 32.8
 229 20.9 15.8 23.8





#83
Chrysene
Concen: 16.904 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

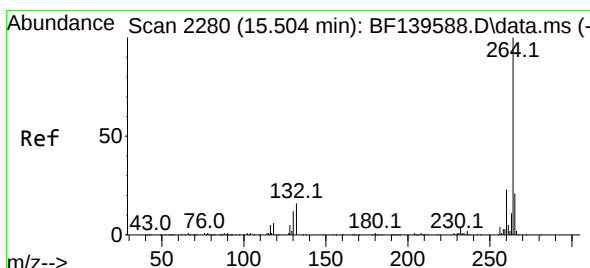
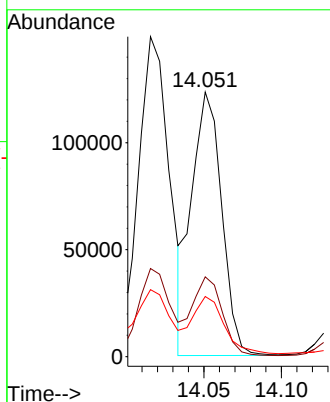
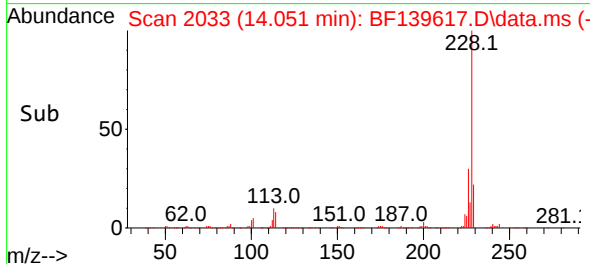
Instrument :
BNA_F
ClientSampleId :
RT5376



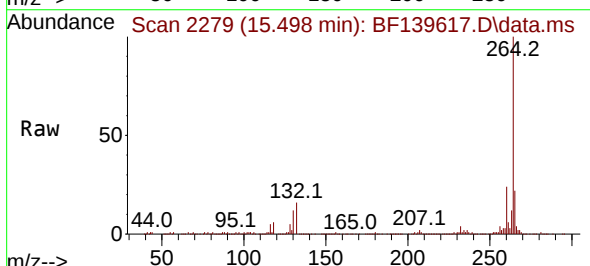
Tgt Ion:228 Resp: 165764
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.8 15.7 23.5

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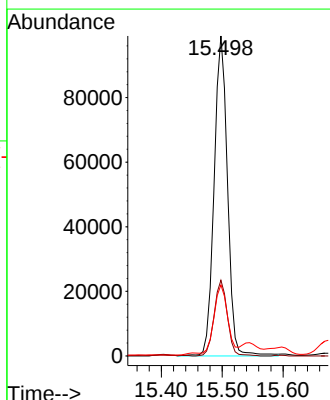
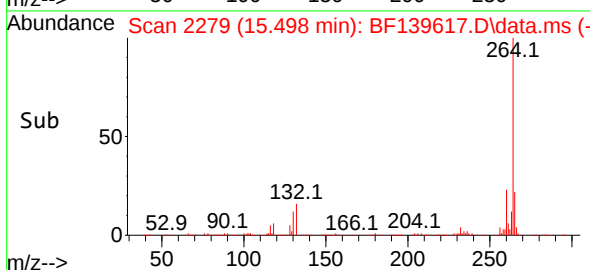
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

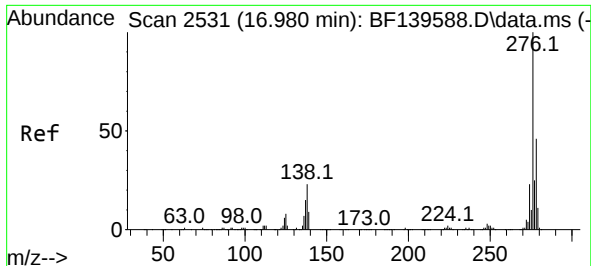


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10



Tgt Ion:264 Resp: 151334
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.2 16.9 25.3





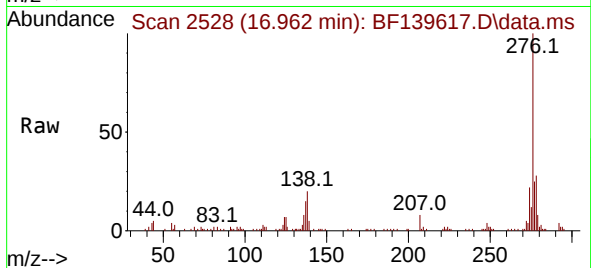
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.984 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Instrument :

BNA_F

ClientSampleId :

RT5376

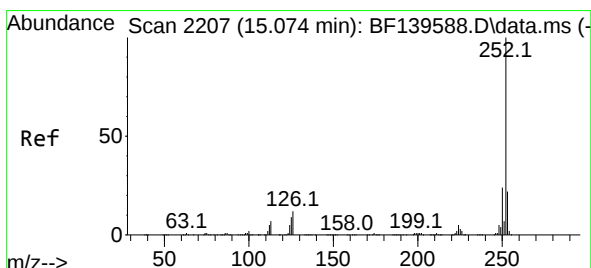
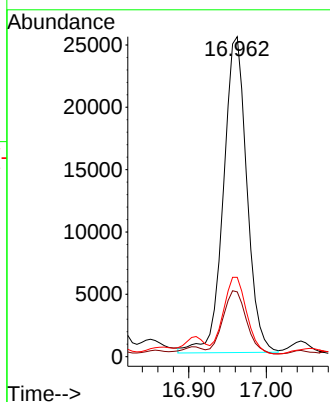
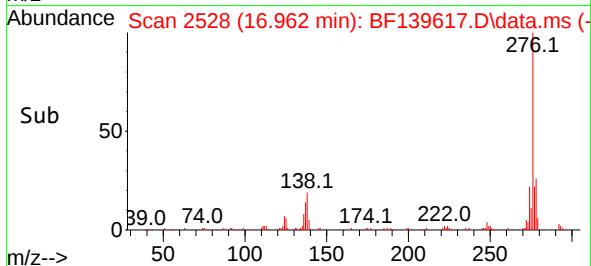


Tgt Ion:276 Resp: 53304
Ion Ratio Lower Upper
276 100
138 20.1 19.4 29.0
277 24.1 20.2 30.2

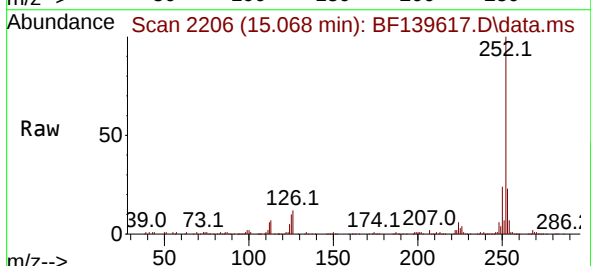
Manual Integrations

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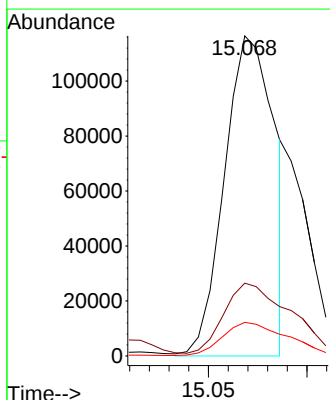
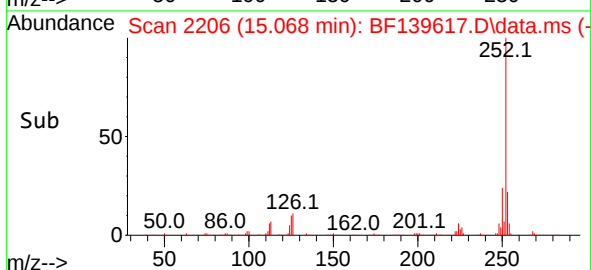
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

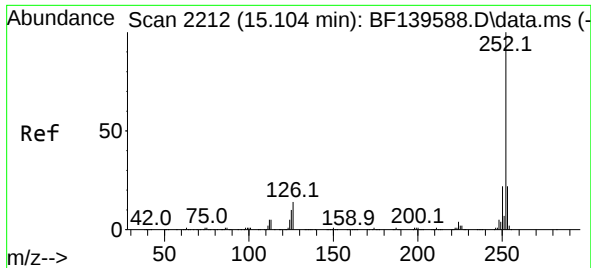


#88
Benzo(b)fluoranthene
Concen: 21.031 ng m
RT: 15.068 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10



Tgt Ion:252 Resp: 205790
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 10.5 7.4 11.0





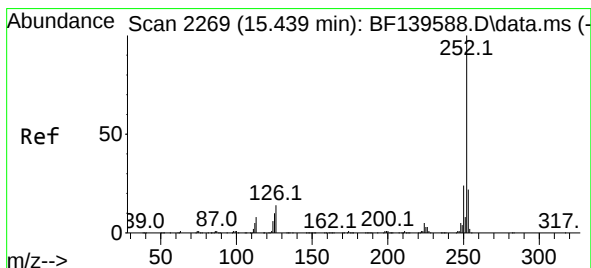
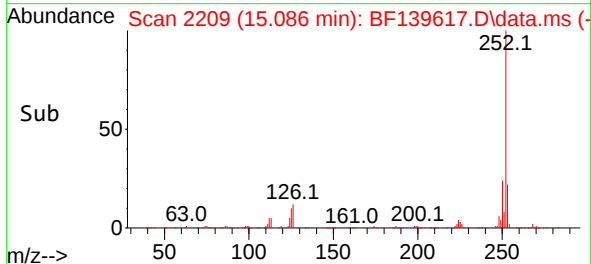
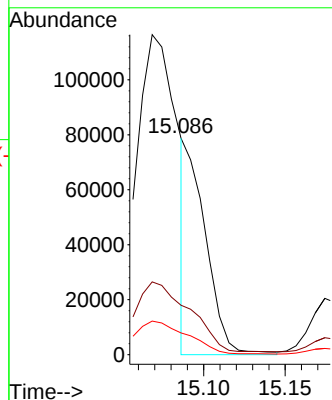
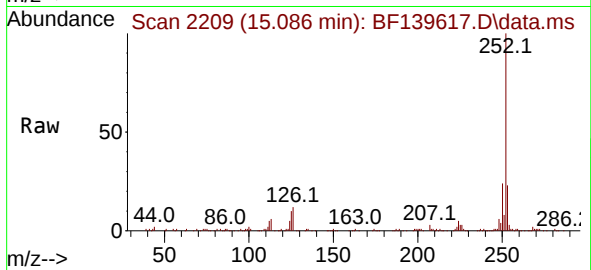
#89
Benzo(k)fluoranthene
Concen: 7.915 ng m
RT: 15.086 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

Instrument :
BNA_F
ClientSampleId :
RT5376

Tgt Ion:252 Resp: 6569
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.1 7.6 11.4

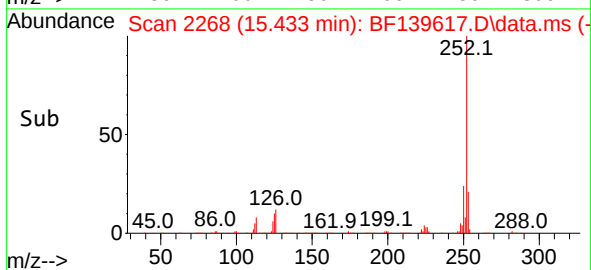
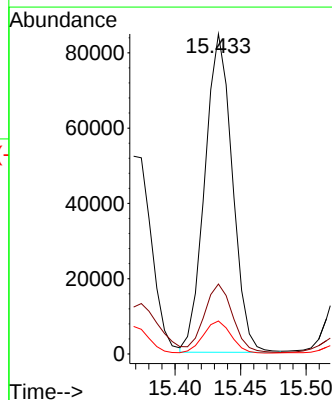
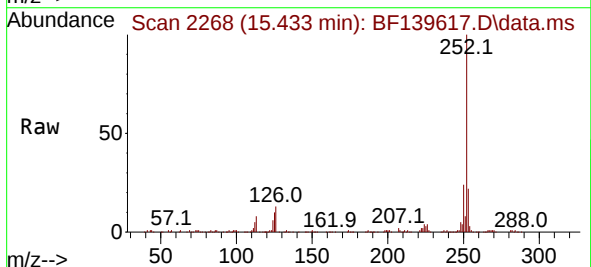
Manual Integrations
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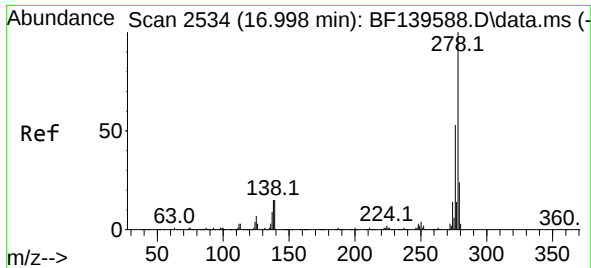
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#90
Benzo(a)pyrene
Concen: 16.034 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

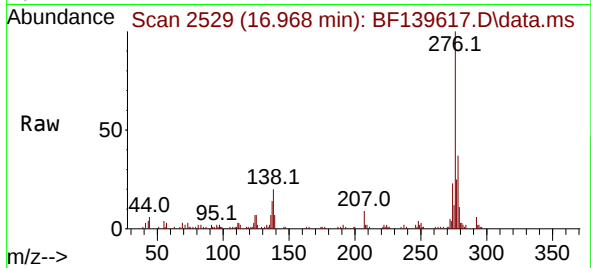
Tgt Ion:252 Resp: 123713
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.3 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 2.205 ng m
RT: 16.968 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10

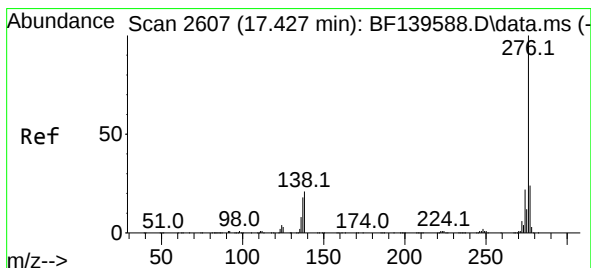
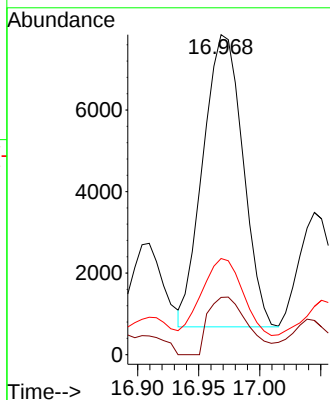
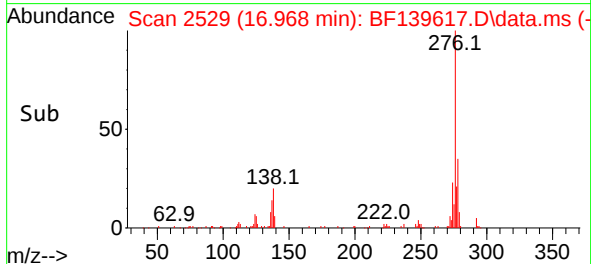
Instrument :
BNA_F
ClientSampleId :
RT5376



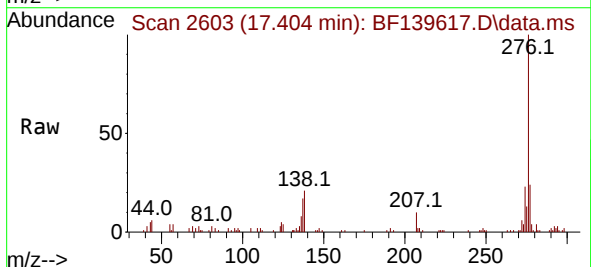
Tgt Ion: 278 Resp: 16290
Ion Ratio Lower Upper
278 100
139 17.9 12.2 18.4
279 30.0 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#92
Benzo(g,h,i)perylene
Concen: 6.141 ng
RT: 17.404 min Scan# 2603
Delta R.T. -0.024 min
Lab File: BF139617.D
Acq: 02 Oct 2024 20:10



Tgt Ion: 276 Resp: 45503
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.6
138 20.8 17.0 25.6

