

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135317.D
 Acq On : 18 Sep 2023 20:48
 Operator : CG\JU
 Sample : 04399-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11985

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 00:16:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	145482	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	556717	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	270886	20.000	ng	-0.01
64) Phenanthrene-d10	11.280	188	465851	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	241176	20.000	ng	0.00
86) Perylene-d12	15.404	264	307553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	835899	93.451	ng	0.01
7) Phenol-d6	6.404	99	1051639	92.462	ng	0.00
23) Nitrobenzene-d5	7.322	82	674503	65.824	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	237135	88.090	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1189879	66.271	ng	-0.01
79) Terphenyl-d14	12.880	244	868356	55.815	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	141335	6.415	ng	100
75) Fluoranthene	12.504	202	295480	12.871	ng	98
78) Pyrene	12.733	202	242927	10.580	ng	98
81) Benzo(a)anthracene	13.927	228	97426	6.256	ng	98
83) Chrysene	13.963	228	112127	7.242	ng	98
84) Bis(2-ethylhexyl)phtha...	13.921	149	52633	6.344	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	61337	3.042	ng	96
88) Benzo(b)fluoranthene	14.980	252	183195m	11.003	ng	
89) Benzo(k)fluoranthene	15.004	252	50762m	3.087	ng	
90) Benzo(a)pyrene	15.345	252	107907	6.796	ng	98
92) Benzo(g,h,i)perylene	17.321	276	55405	3.215	ng	98

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

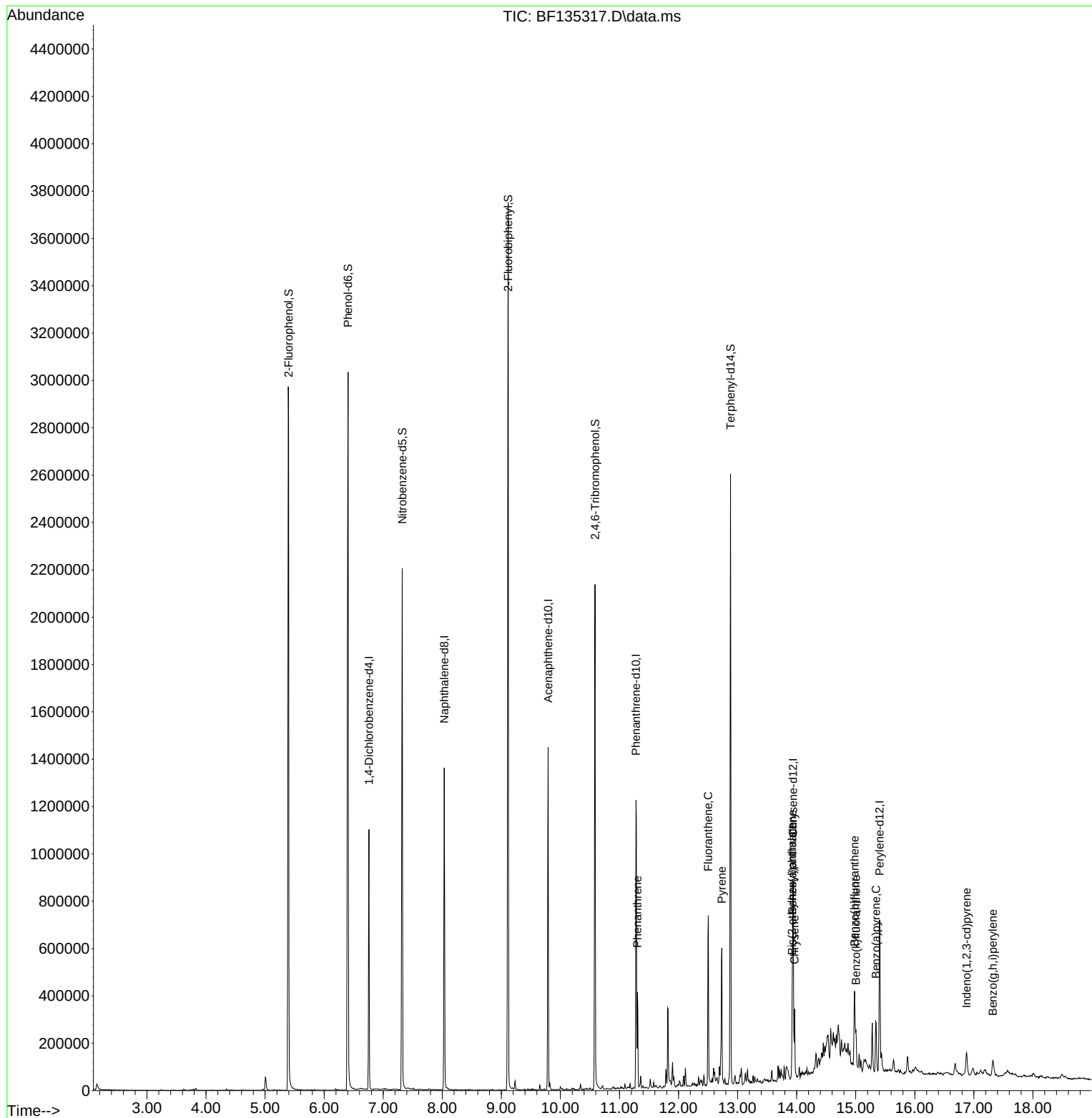
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135317.D
Acq On : 18 Sep 2023 20:48
Operator : CG\JU
Sample : 04399-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

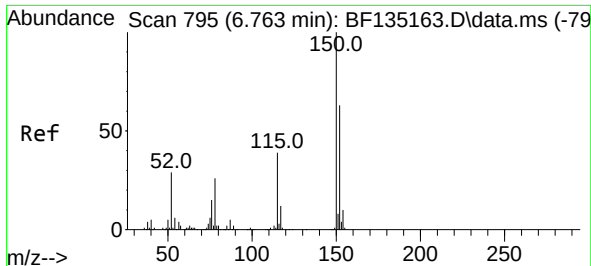
Instrument :
BNA_F
ClientSampleId :
72-11985

Quant Time: Sep 19 00:16:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
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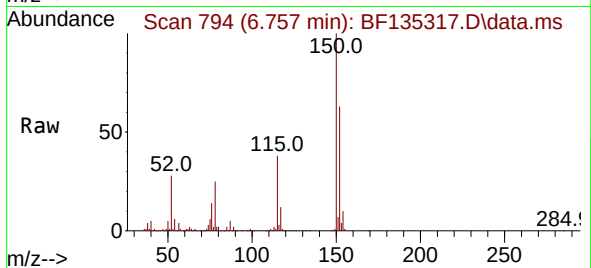
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

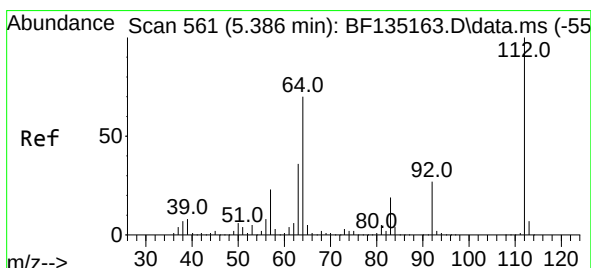
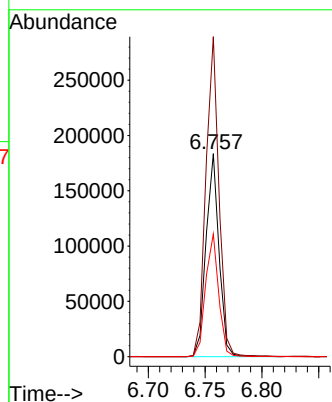
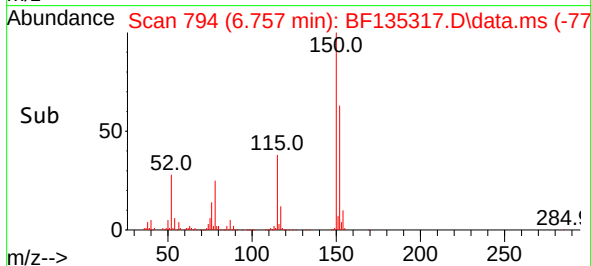
Instrument :
 BNA_F
 ClientSampleId :
 72-11985



Tgt Ion:152 Resp: 145482
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.8 191.6
 115 60.4 49.8 74.8

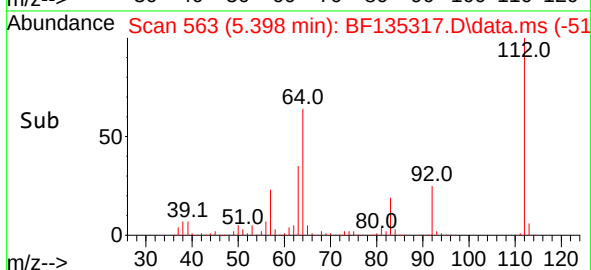
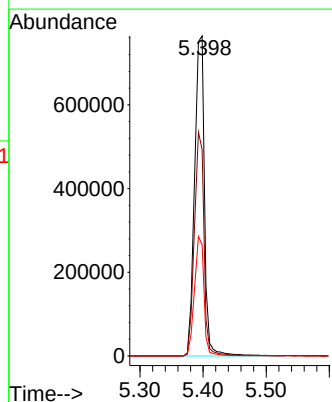
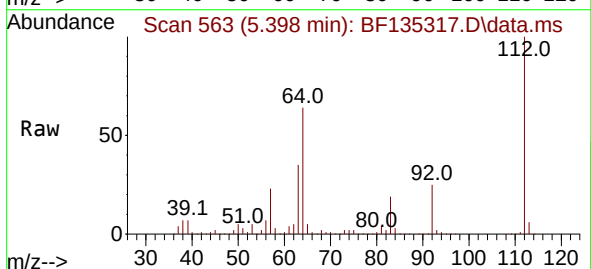
Manual Integrations
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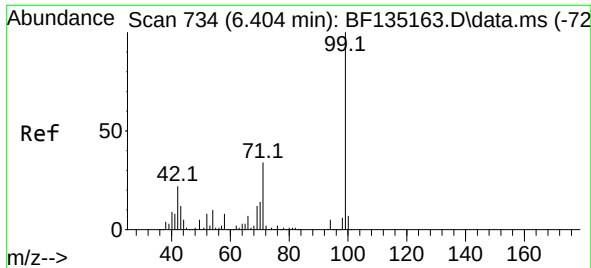
Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023



#5
 2-Fluorophenol
 Concen: 93.451 ng
 RT: 5.398 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

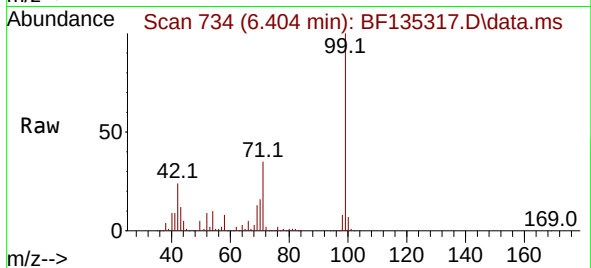
Tgt Ion:112 Resp: 835899
 Ion Ratio Lower Upper
 112 100
 64 64.5 55.9 83.9
 63 34.8 29.0 43.6





#7
Phenol-d6
Concen: 92.462 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

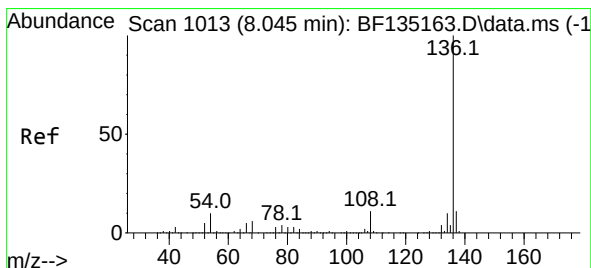
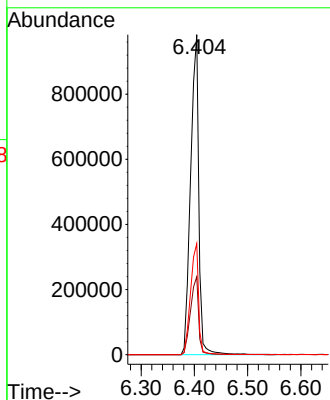
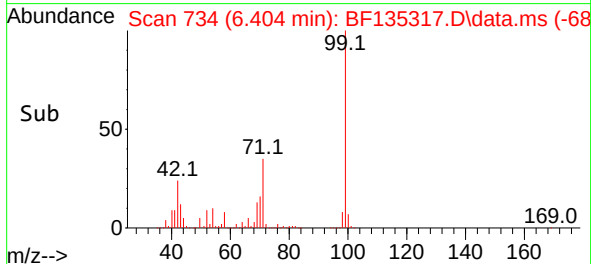
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion: 99 Resp: 1051639
Ion Ratio Lower Upper
99 100
42 24.3 17.9 26.9
71 34.7 27.0 40.6

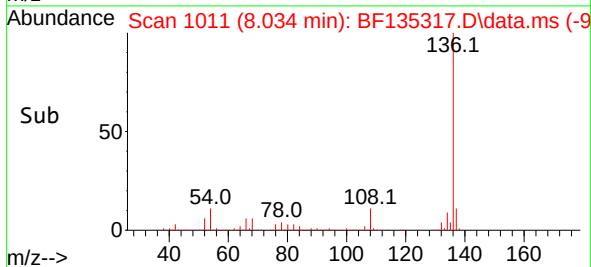
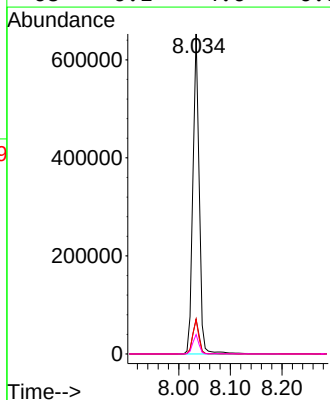
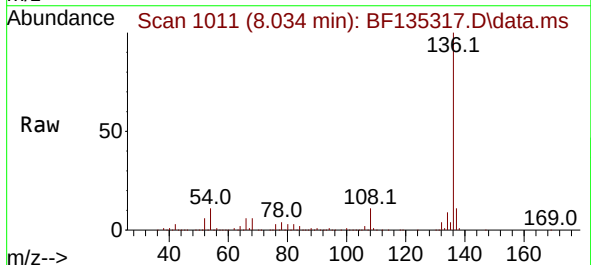
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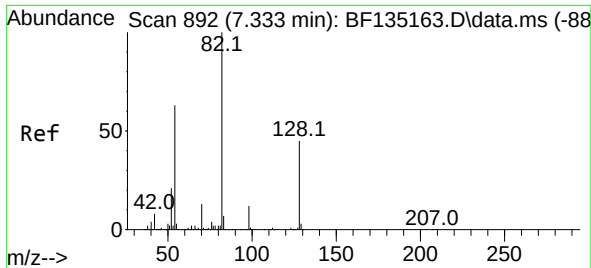
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion:136 Resp: 556717
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 65.824 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

Instrument :

BNA_F

ClientSampleId :

72-11985

Tgt Ion: 82 Resp: 67450

Ion Ratio Lower Upper

82 100

128 42.9 35.8 53.6

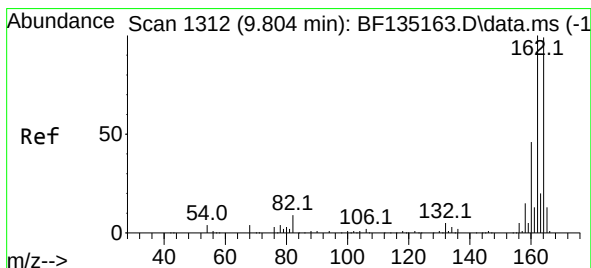
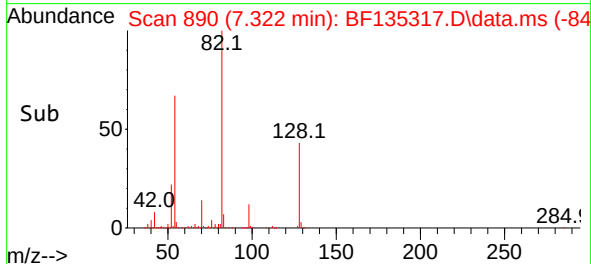
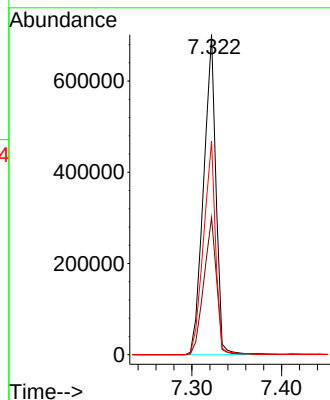
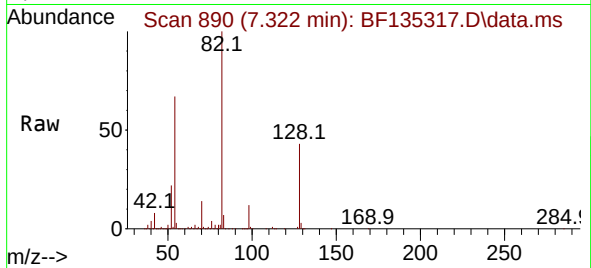
54 66.7 50.6 76.0

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF135317.D

Acq: 18 Sep 2023 20:48

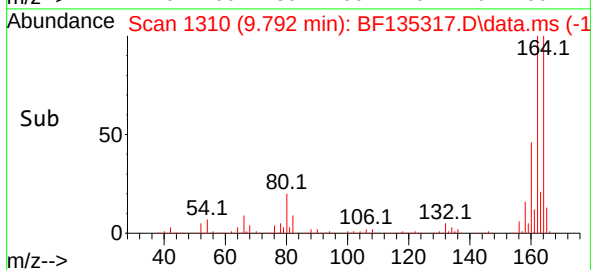
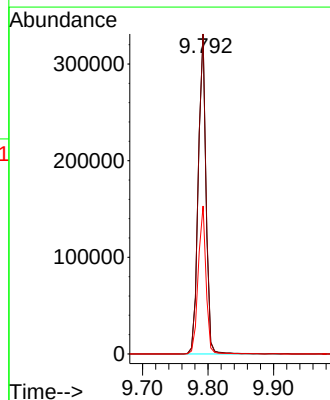
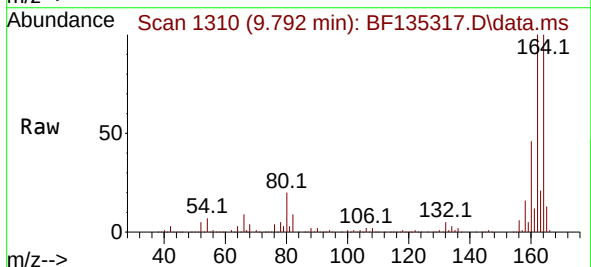
Tgt Ion:164 Resp: 270886

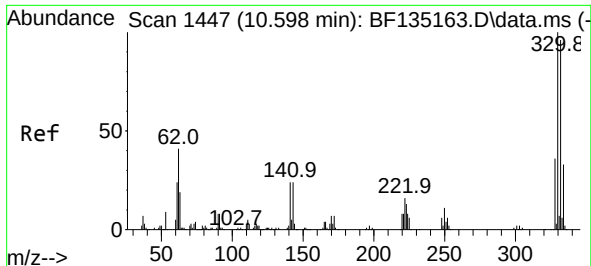
Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.4

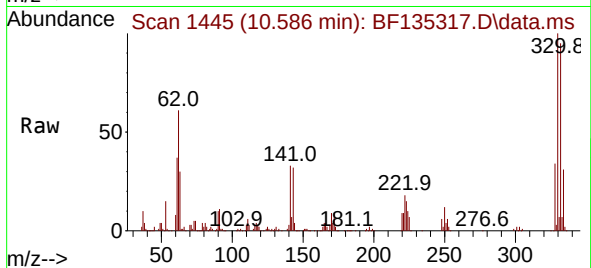
160 46.3 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 88.090 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

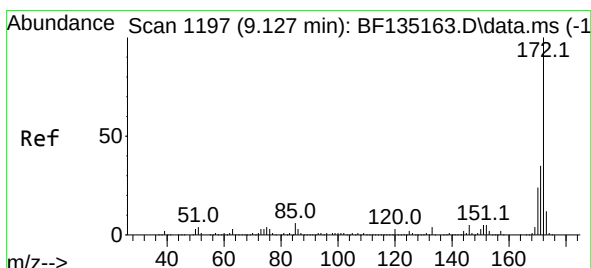
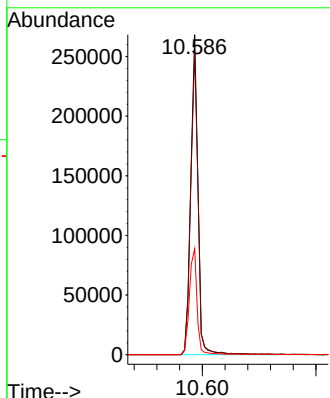
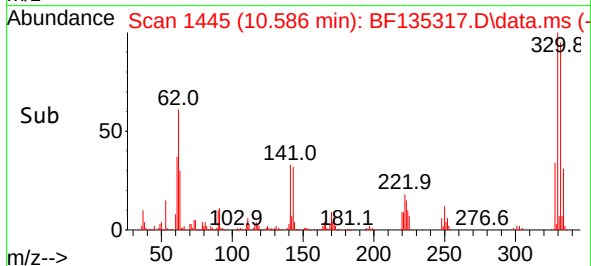
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion: 330 Resp: 237135
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 35.5 25.8 38.8

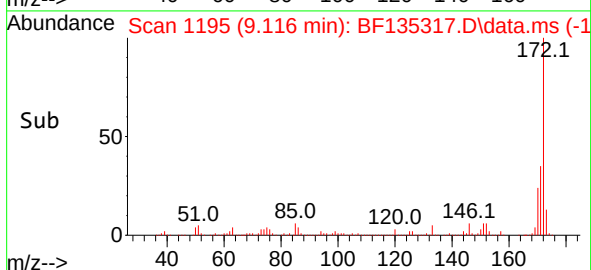
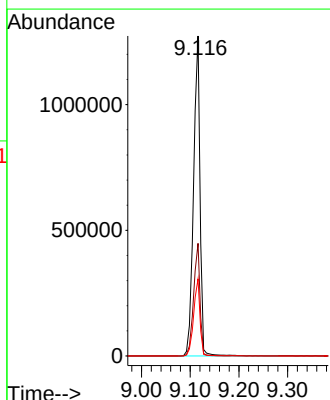
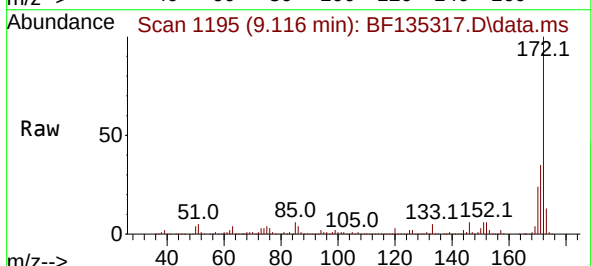
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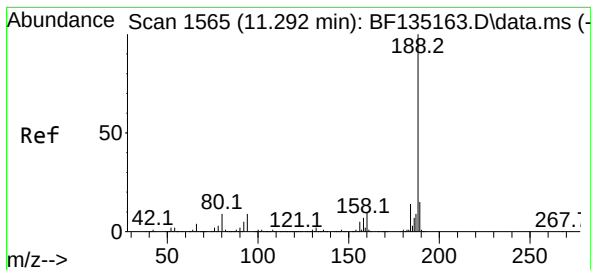
Reviewed By : Yogesh Patel 09/19/2023
Supervised By : mohammad ahmed 09/19/2023



#45
2-Fluorobiphenyl
Concen: 66.271 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Tgt Ion: 172 Resp: 1189879
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 24.1 19.0 28.4





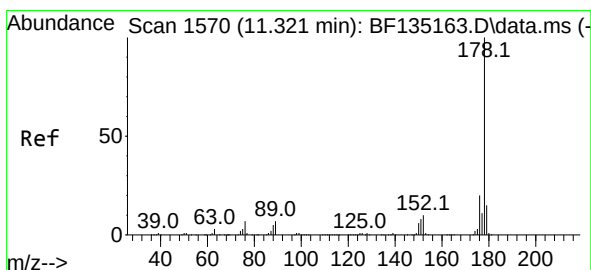
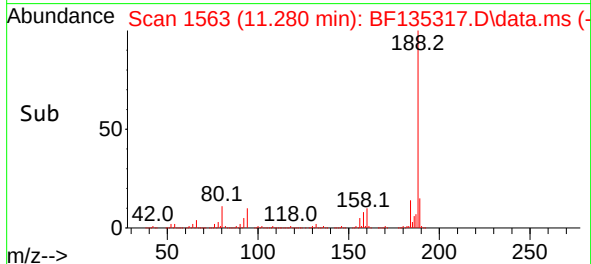
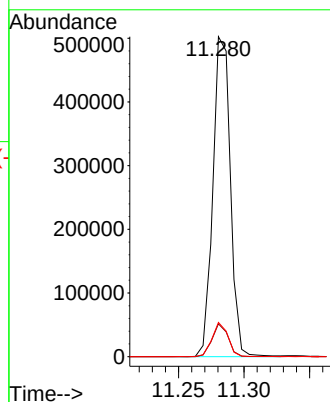
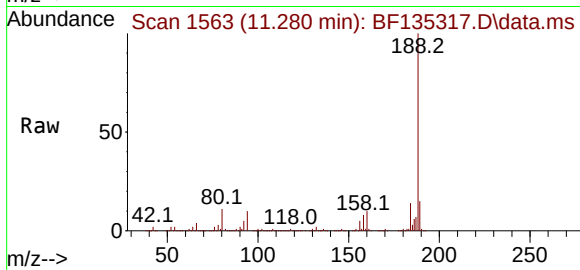
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

Instrument :
BNA_F
ClientSampleId :
72-11985

Tgt Ion:188 Resp: 46585
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 10.7 7.5 11.3

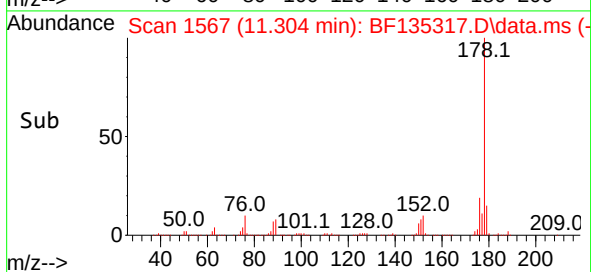
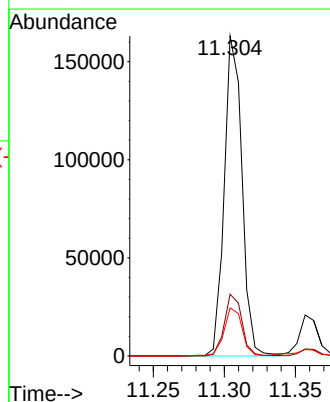
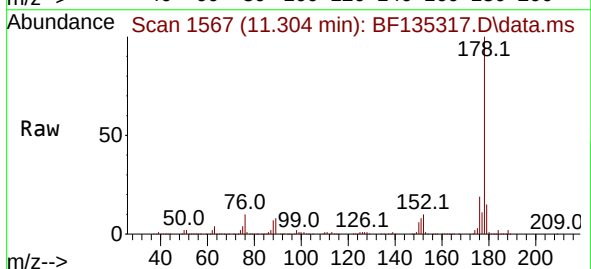
Manual Integrations
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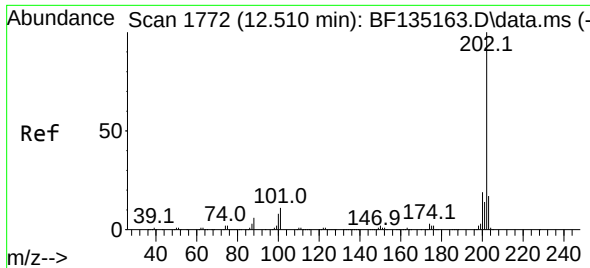
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 6.415 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.017 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

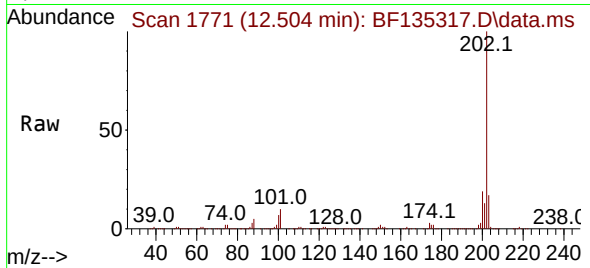
Tgt Ion:178 Resp: 141335
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.0 12.0 18.0





#75
Fluoranthene
Concen: 12.871 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

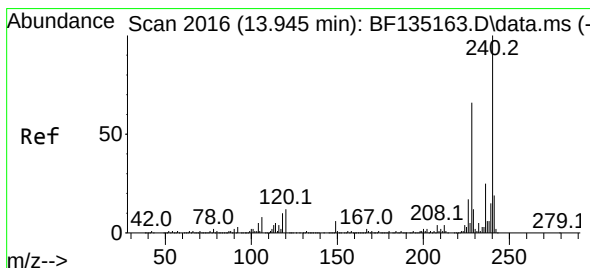
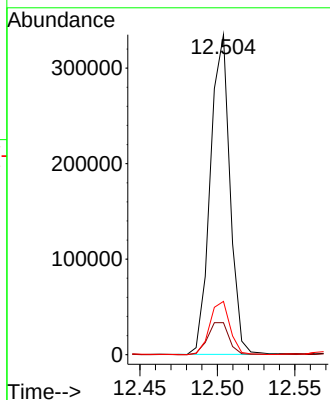
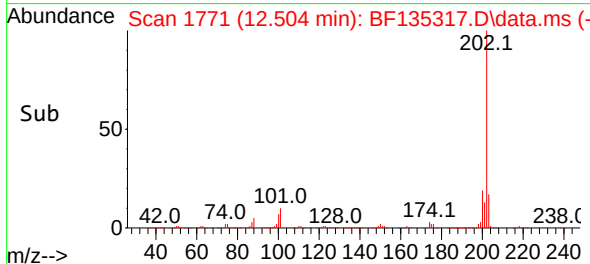
Instrument :
BNA_F
ClientSampleId :
72-11985



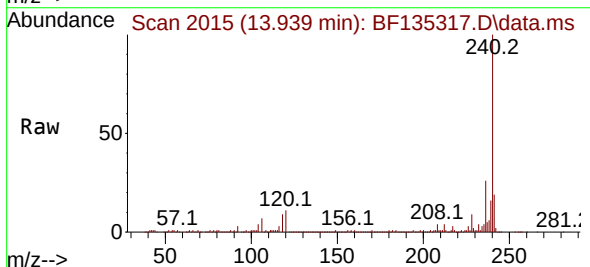
Tgt Ion:202 Resp: 295480
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.3
203 16.7 0.0 37.4

Manual Integrations
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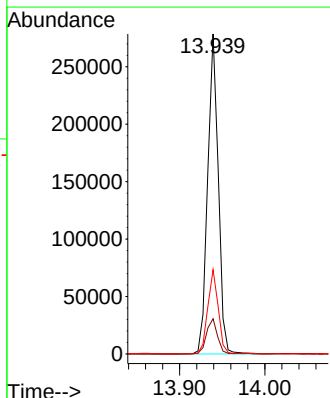
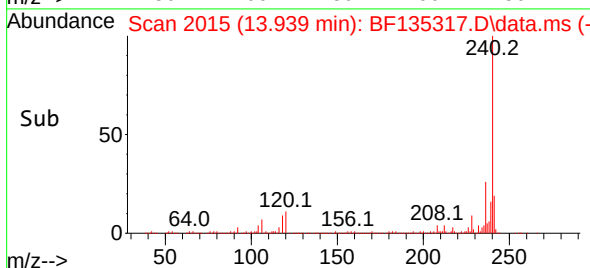
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

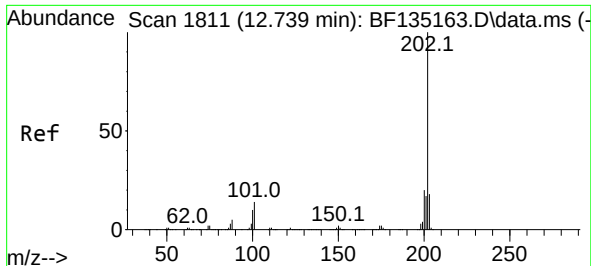


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48



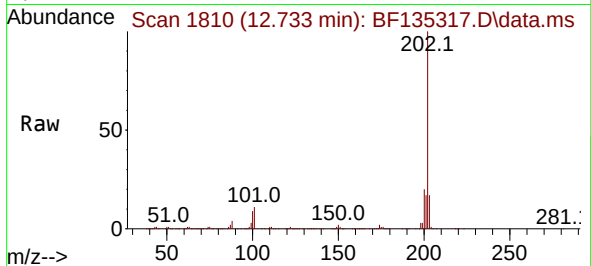
Tgt Ion:240 Resp: 241176
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.3 19.8 29.8





#78
Pyrene
Concen: 10.580 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

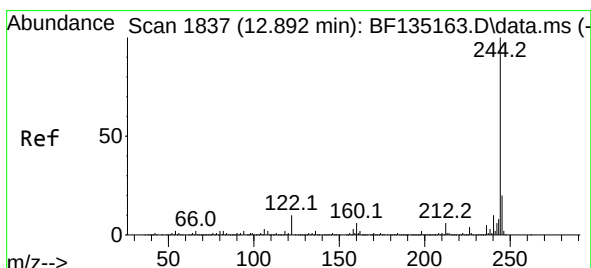
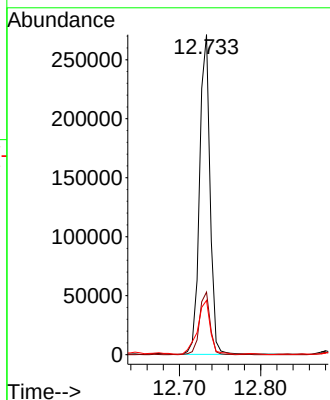
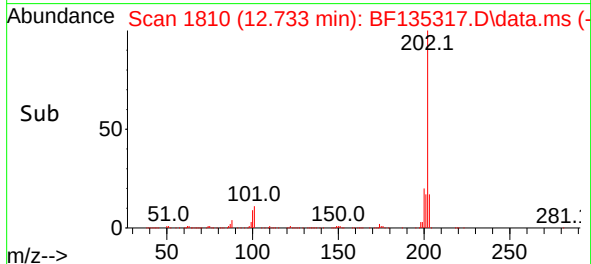
Instrument :
BNA_F
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72-11985



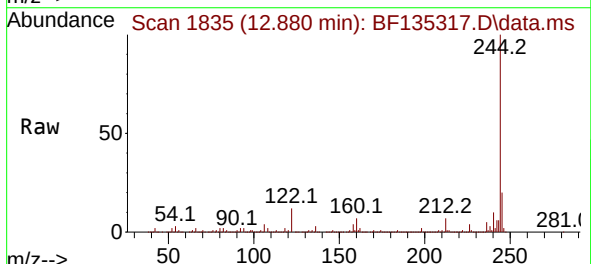
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Ion Ratio Lower Upper
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200 19.5 16.2 24.2
203 17.0 14.2 21.4

Manual Integrations
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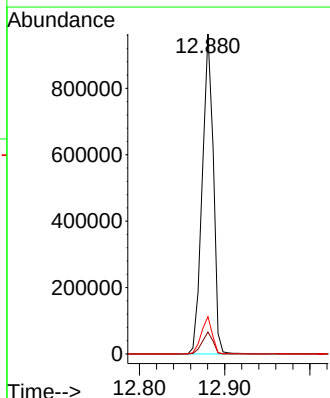
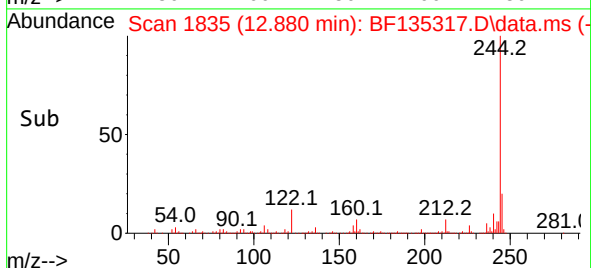
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

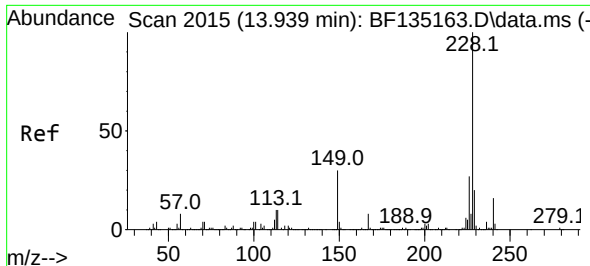


#79
Terphenyl-d14
Concen: 55.815 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48



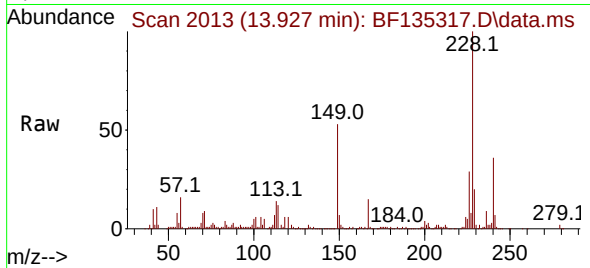
Tgt Ion:244 Resp: 868356
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 11.6 7.9 11.9





#81
Benzo(a)anthracene
Concen: 6.256 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

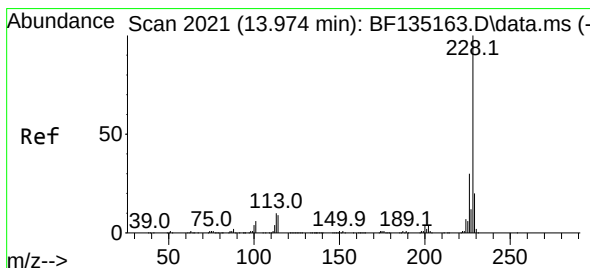
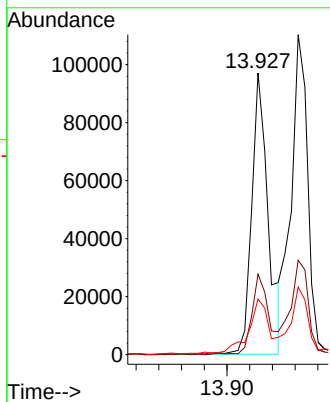
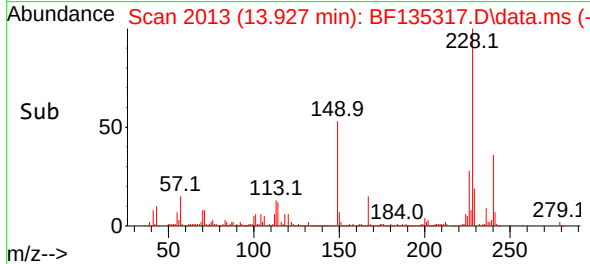
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion:228 Resp: 97420
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 19.8 15.8 23.8

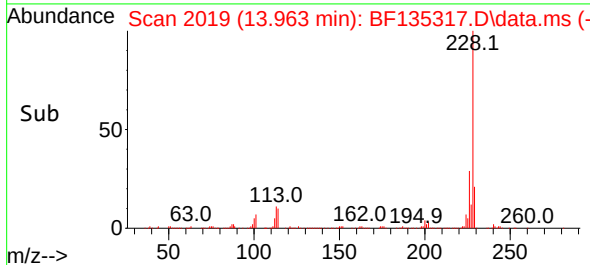
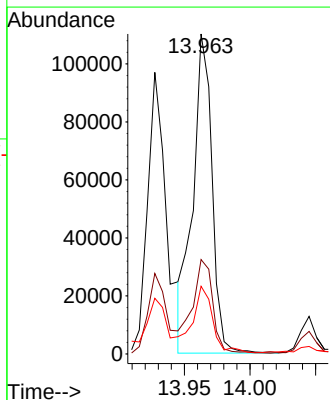
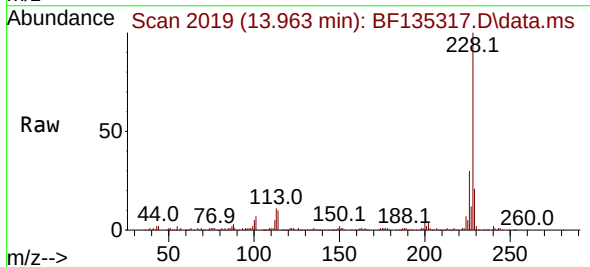
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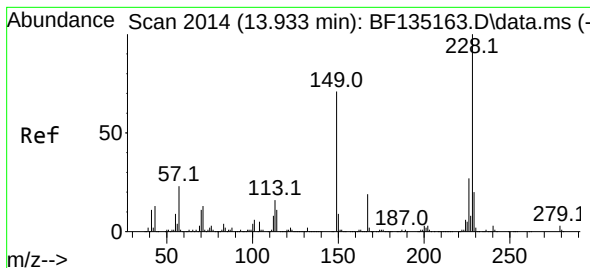
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#83
Chrysene
Concen: 7.242 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

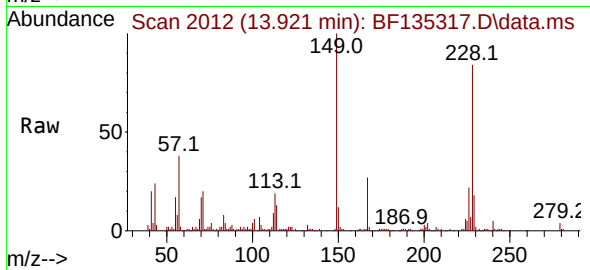
Tgt Ion:228 Resp: 112127
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 21.2 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.344 ng
RT: 13.921 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

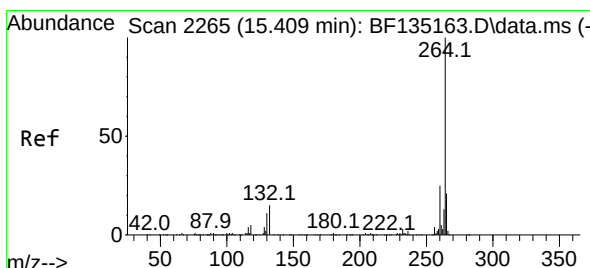
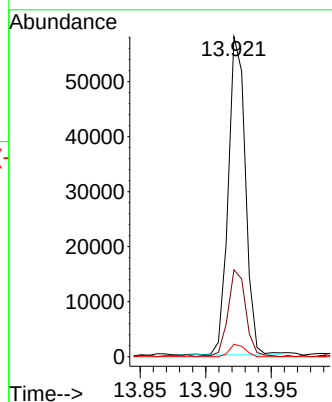
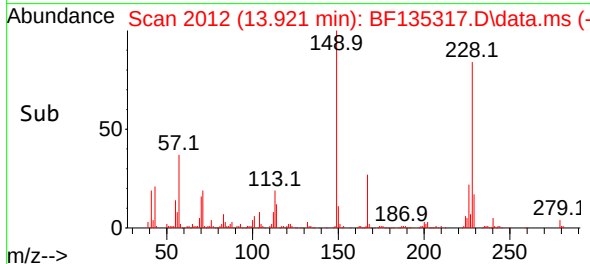
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion:149 Resp: 5263
Ion Ratio Lower Upper
149 100
167 27.2 21.9 32.9
279 3.9 3.3 4.9

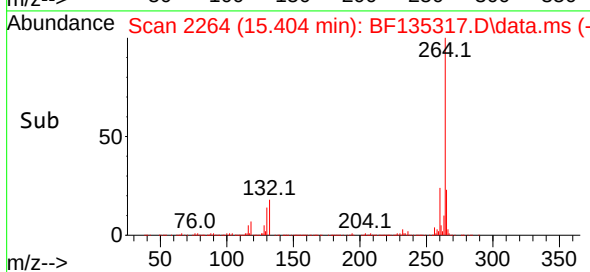
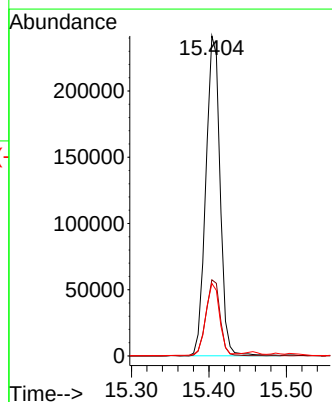
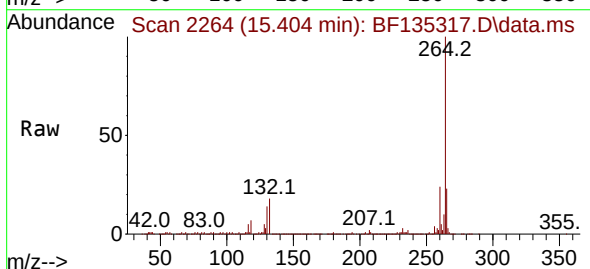
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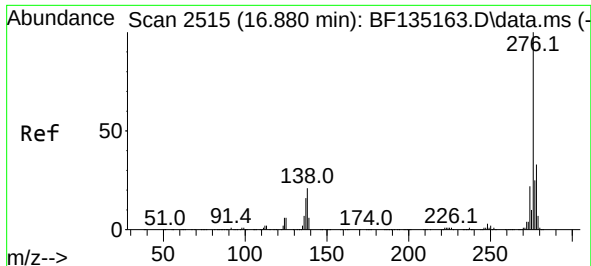
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

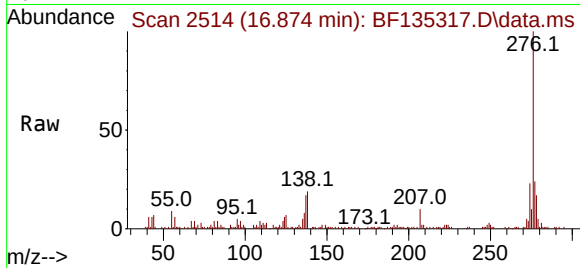
Tgt Ion:264 Resp: 307553
Ion Ratio Lower Upper
264 100
260 23.8 19.8 29.6
265 22.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.042 ng
RT: 16.874 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

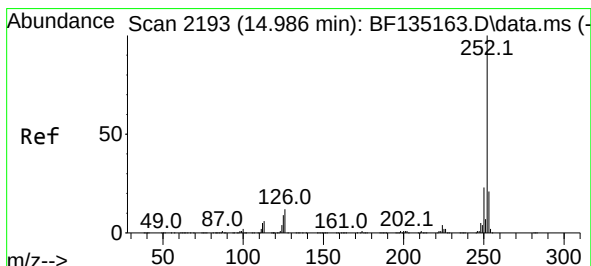
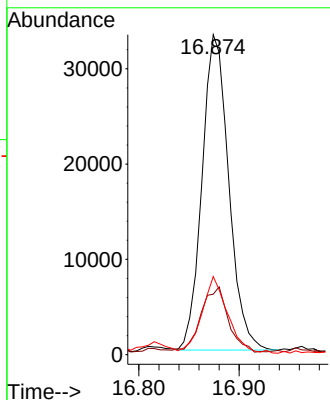
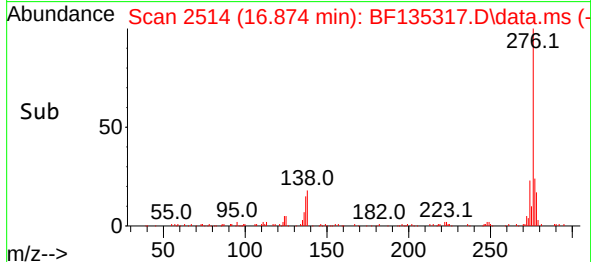
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion:276 Resp: 6133
Ion Ratio Lower Upper
276 100
138 21.6 19.2 28.8
277 23.5 19.7 29.5

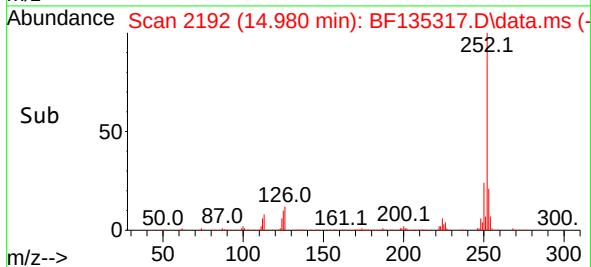
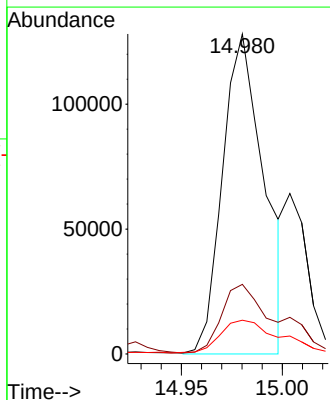
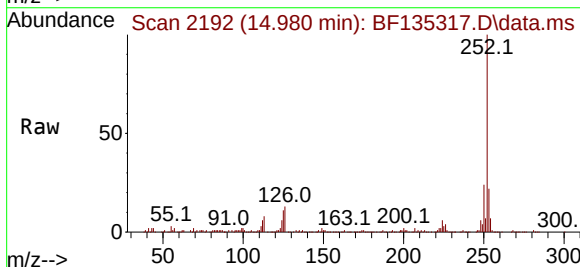
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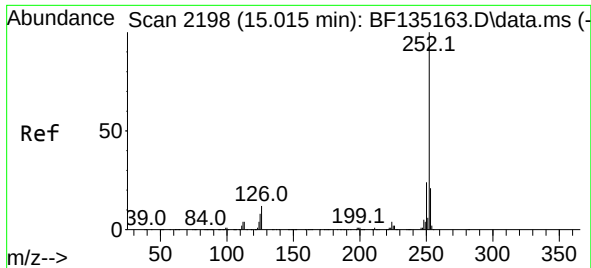
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#88
Benzo(b)fluoranthene
Concen: 11.003 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

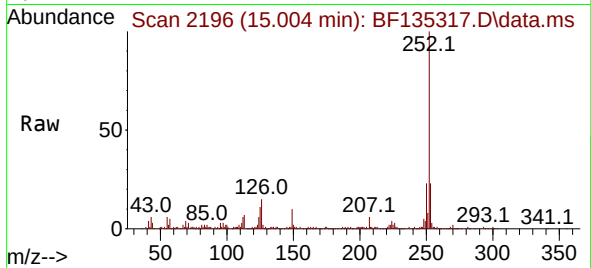
Tgt Ion:252 Resp: 183195
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 10.6 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 3.087 ng m
RT: 15.004 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

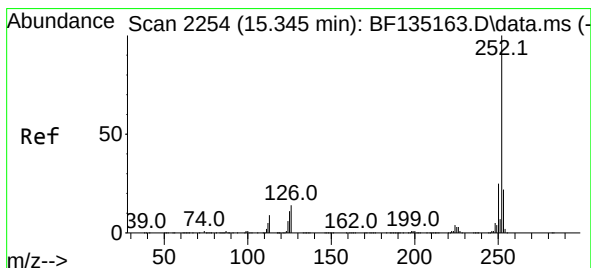
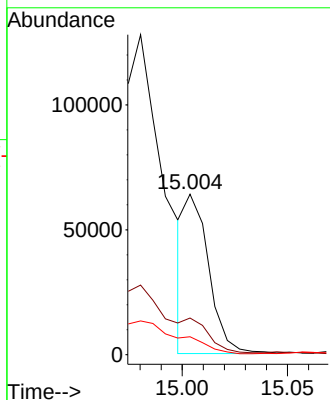
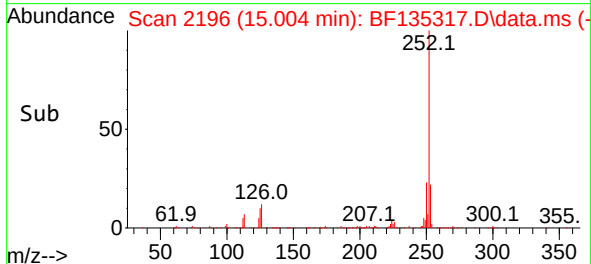
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion:252 Resp: 50762
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.2 7.2 10.8

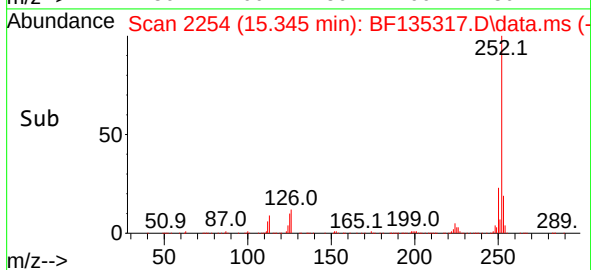
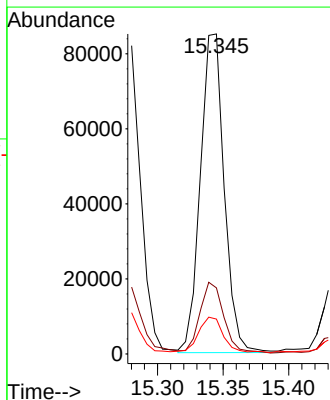
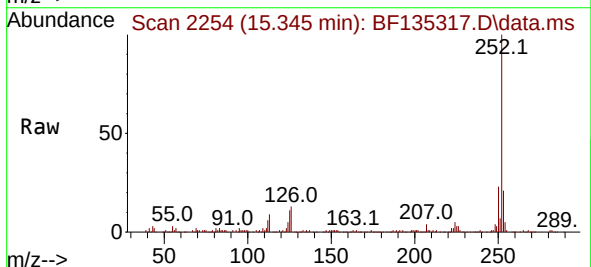
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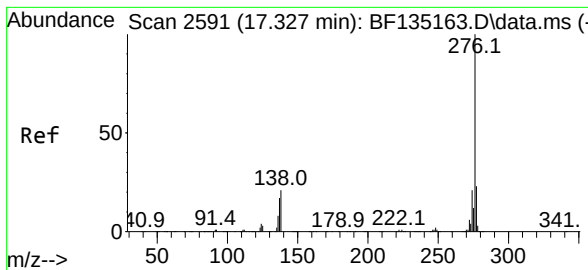
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#90
Benzo(a)pyrene
Concen: 6.796 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135317.D
Acq: 18 Sep 2023 20:48

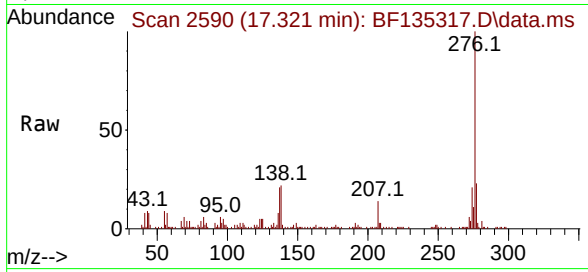
Tgt Ion:252 Resp: 107907
Ion Ratio Lower Upper
252 100
253 20.6 17.5 26.3
125 10.9 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.215 ng
 RT: 17.321 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135317.D
 Acq: 18 Sep 2023 20:48

Instrument : BNA_F
 ClientSampleId : 72-11985



Tgt Ion:	276	Resp:	5540
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.8	28.2
138	22.4	16.9	25.3

Manual Integrations
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Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

