

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135461.D
 Acq On : 26 Sep 2023 19:29
 Operator : CG\JU
 Sample : 04566-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-08-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 27 02:16:24 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 26 01:36:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	152236	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	510299	20.000	ng	# 0.00
39) Acenaphthene-d10	9.786	164	210547	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	405404	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	292778	20.000	ng	0.00
86) Perylene-d12	15.415	264	230645	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	809677	86.504	ng	0.00
7) Phenol-d6	6.404	99	978333	82.200	ng	0.00
23) Nitrobenzene-d5	7.316	82	561784	59.811	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	164402	78.574	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	808752	57.953	ng	0.00
79) Terphenyl-d14	12.880	244	851954	45.109	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	50333	2.625	ng	96
75) Fluoranthene	12.504	202	139007	6.958	ng	97
78) Pyrene	12.733	202	137597	4.936	ng	98
81) Benzo(a)anthracene	13.933	228	68498	3.623	ng	98
83) Chrysene	13.968	228	76314	4.060	ng	98
84) Bis(2-ethylhexyl)phtha...	13.921	149	29924	2.971	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	39479	2.611	ng	99
88) Benzo(b)fluoranthene	14.986	252	82495m	6.607	ng	
89) Benzo(k)fluoranthene	15.009	252	26788m	2.172	ng	
90) Benzo(a)pyrene	15.351	252	55430	4.655	ng	# 83
92) Benzo(g,h,i)perylene	17.345	276	45064	3.487	ng	# 90

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

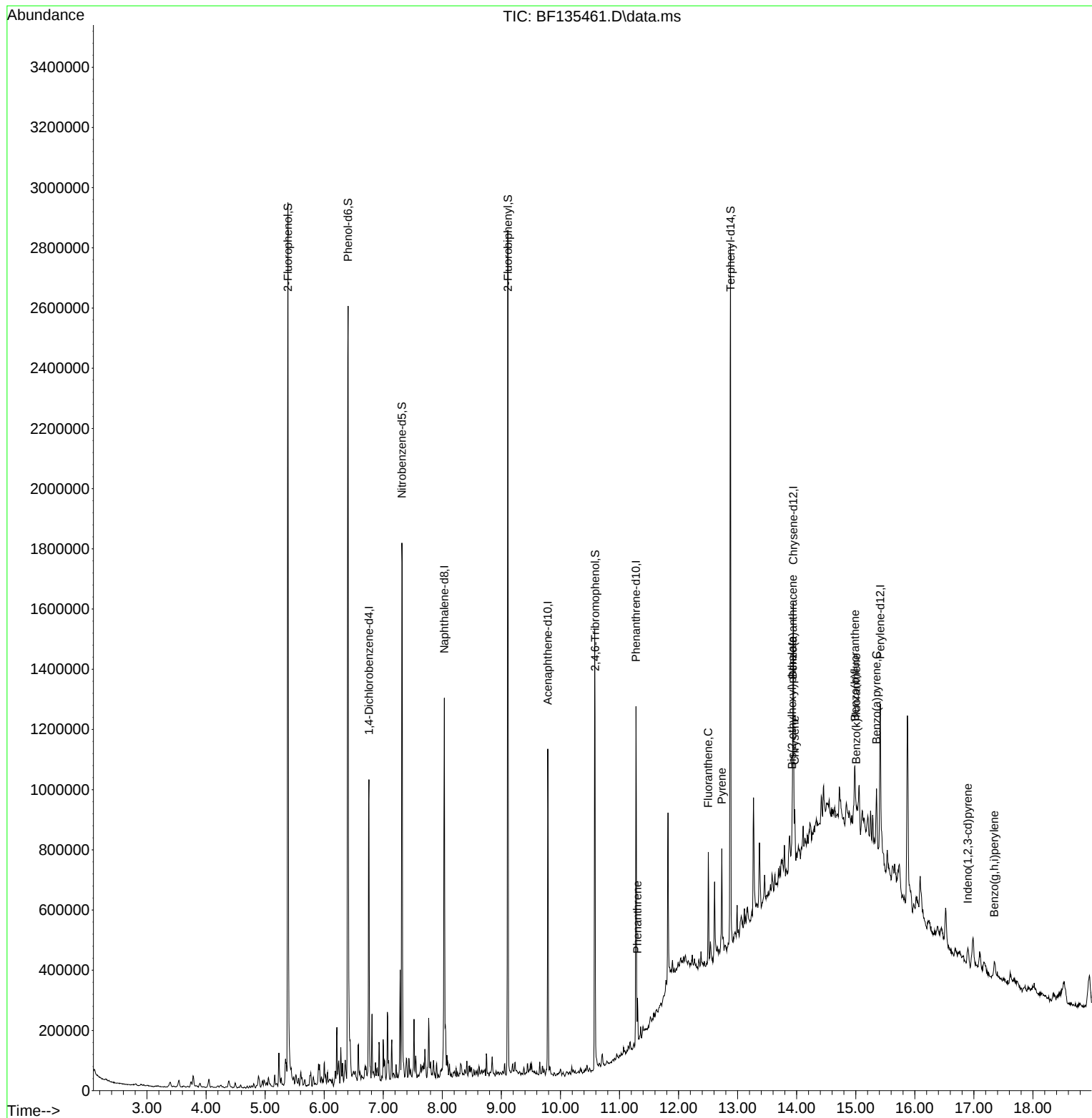
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
Data File : BF135461.D
Acq On : 26 Sep 2023 19:29
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ALS Vial : 20 Sample Multiplier: 1

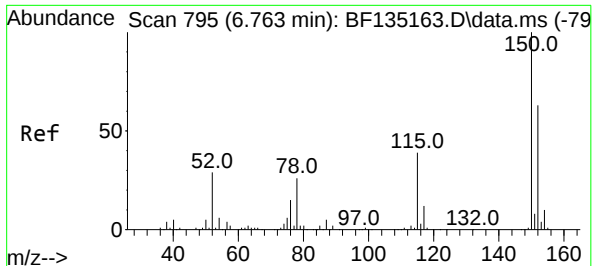
Instrument :
BNA_F
ClientSampleId :
B102-08-2

Quant Time: Sep 27 02:16:24 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 26 01:36:36 2023
Response via : Initial Calibration

Manual Integrations
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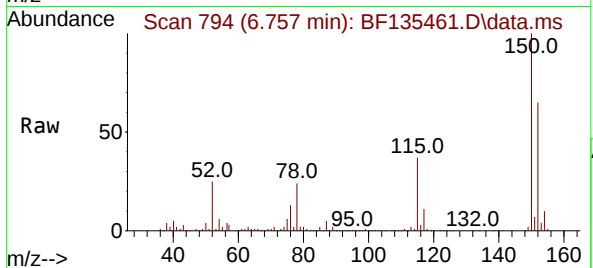
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

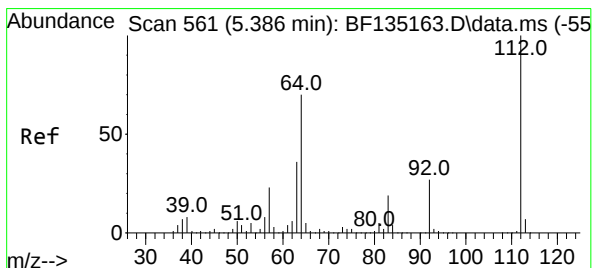
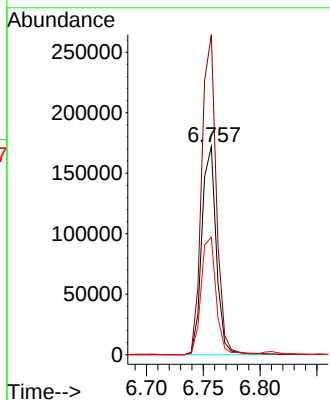
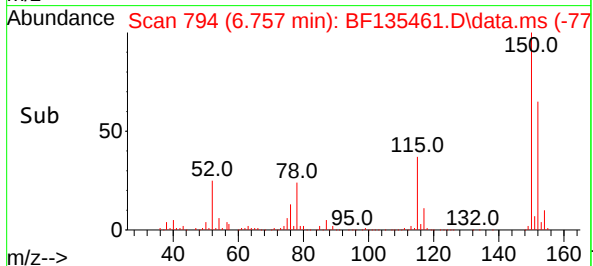
Instrument :
BNA_F
ClientSampleId :
B102-08-2



Tgt Ion:152 Resp: 152230
Ion Ratio Lower Upper
152 100
150 153.9 127.8 191.6
115 56.4 49.8 74.8

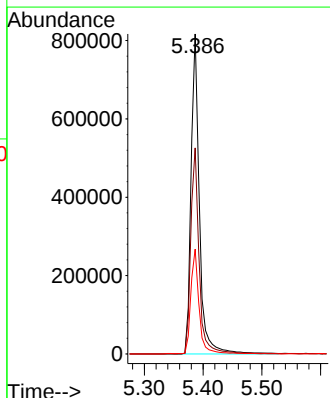
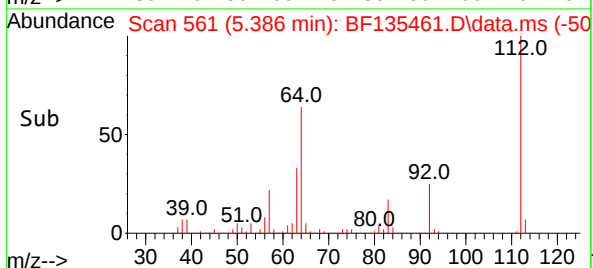
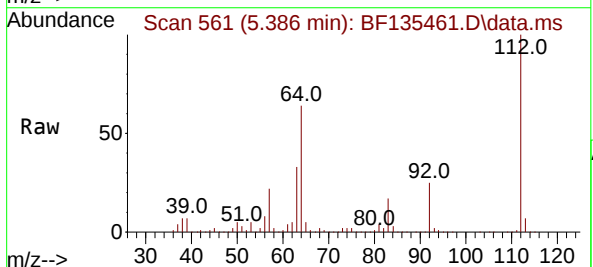
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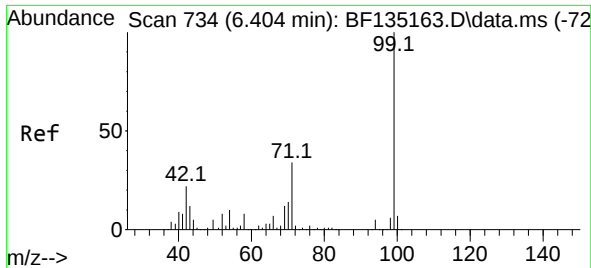
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#5
2-Fluorophenol
Concen: 86.504 ng
RT: 5.386 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

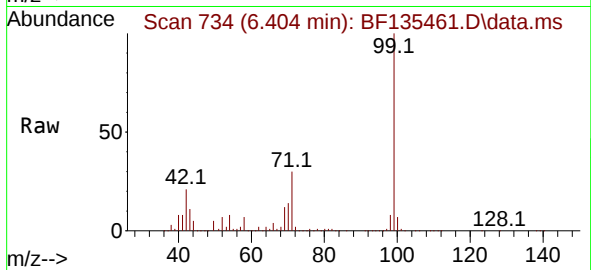
Tgt Ion:112 Resp: 809677
Ion Ratio Lower Upper
112 100
64 64.4 55.9 83.9
63 32.8 29.0 43.6





#7
Phenol-d6
Concen: 82.200 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

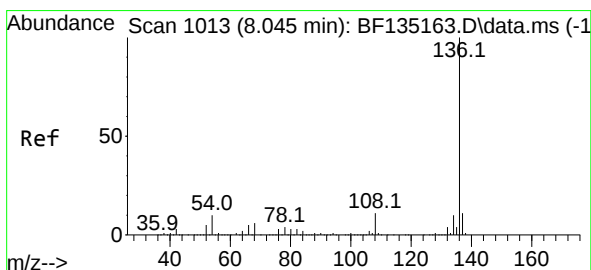
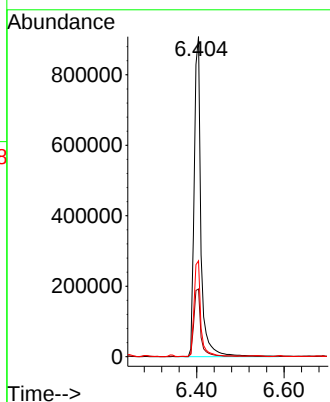
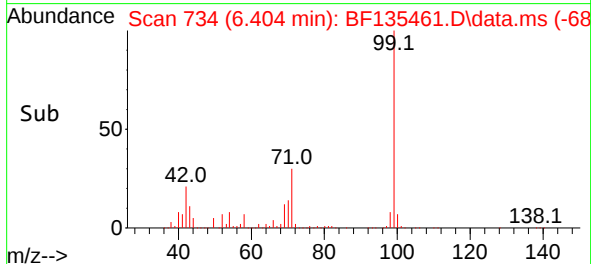
Instrument :
BNA_F
ClientSampleId :
B102-08-2



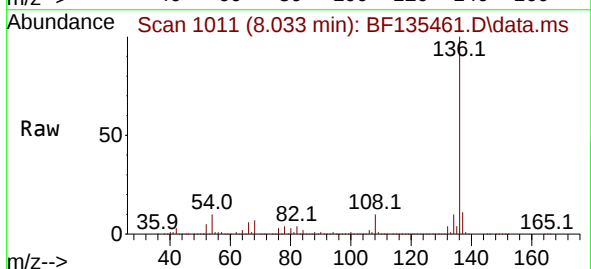
Tgt Ion: 99 Resp: 97833
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 29.9 27.0 40.6

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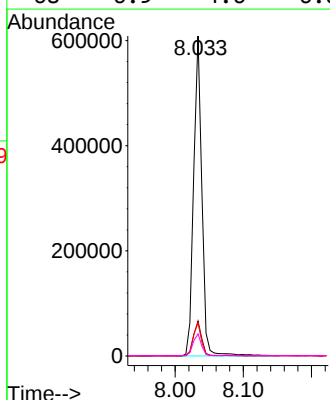
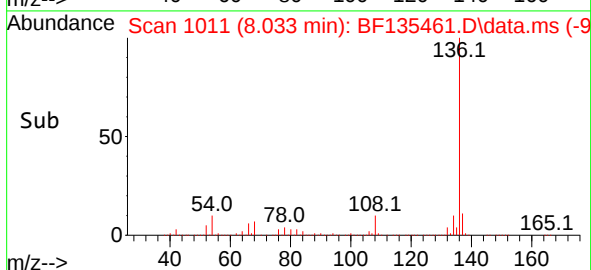
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

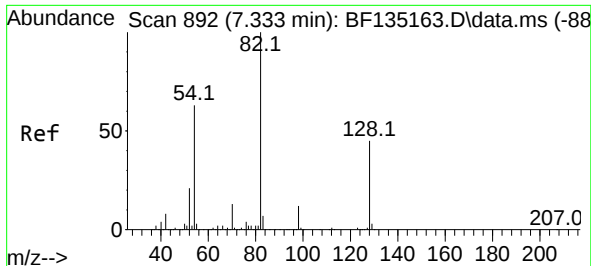


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29



Tgt Ion:136 Resp: 510299
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.3 7.7 11.5
68 6.9 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 59.811 ng

RT: 7.316 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

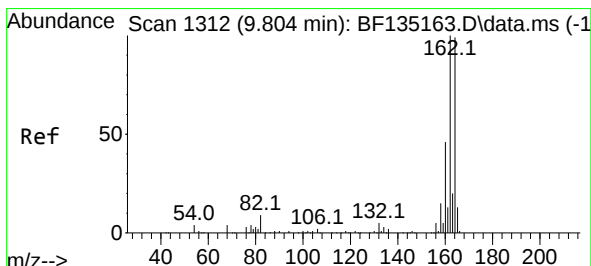
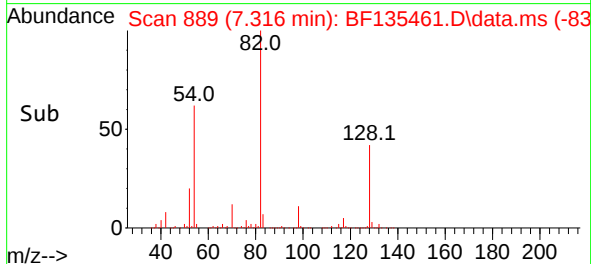
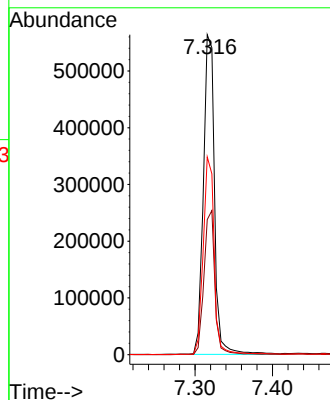
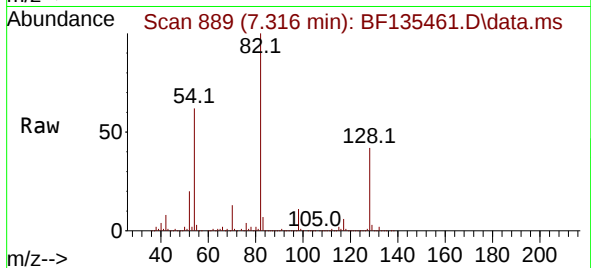
ClientSampleId :

B102-08-2

Tgt Ion: 82 Resp: 561784
 Ion Ratio Lower Upper
 82 100
 128 42.2 35.8 53.6
 54 61.8 50.6 76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

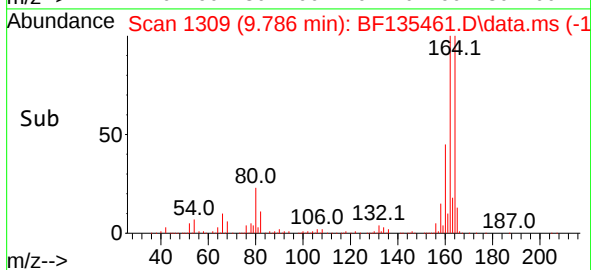
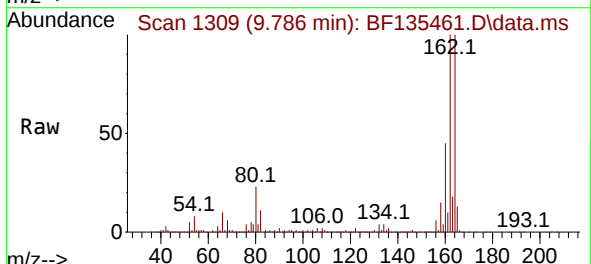
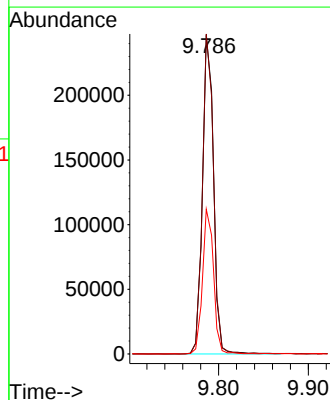
RT: 9.786 min Scan# 1309

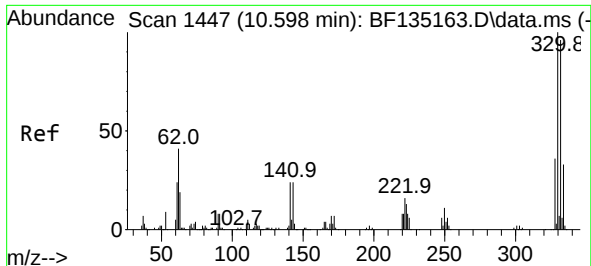
Delta R.T. -0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

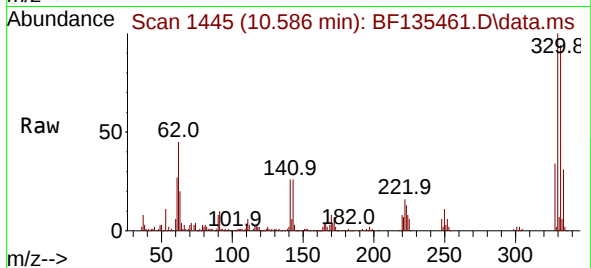
Tgt Ion:164 Resp: 210547
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.0 121.4
 160 45.4 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 78.574 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

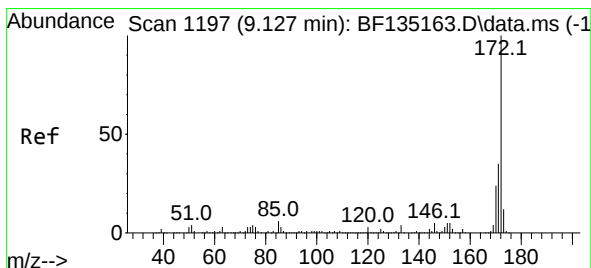
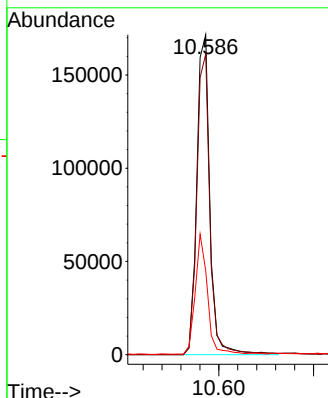
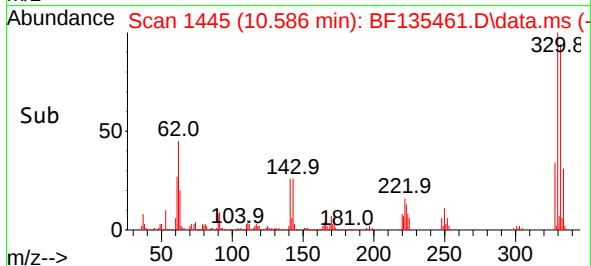
Instrument :
BNA_F
ClientSampleId :
B102-08-2



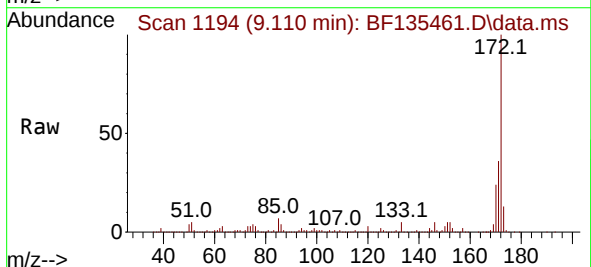
Tgt Ion: 330 Resp: 16440
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 35.1 25.8 38.8

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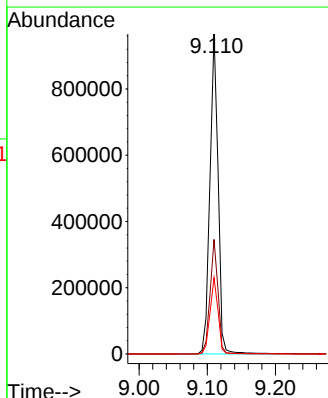
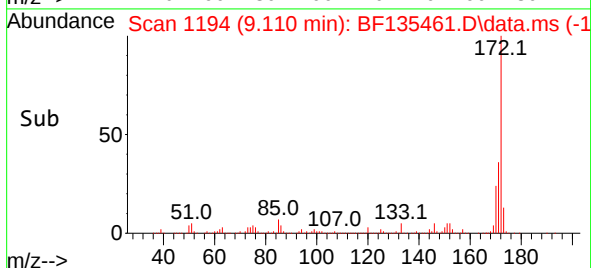
Reviewed By : Yogesh Patel 09/27/2023
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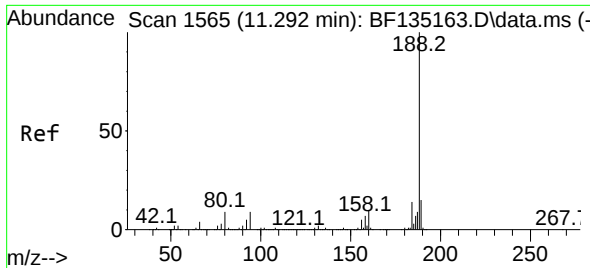


#45
2-Fluorobiphenyl
Concen: 57.953 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29



Tgt Ion: 172 Resp: 808752
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 19.0 28.4





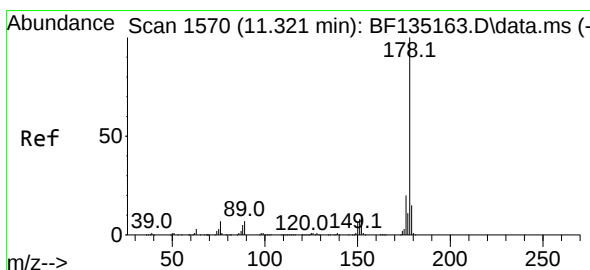
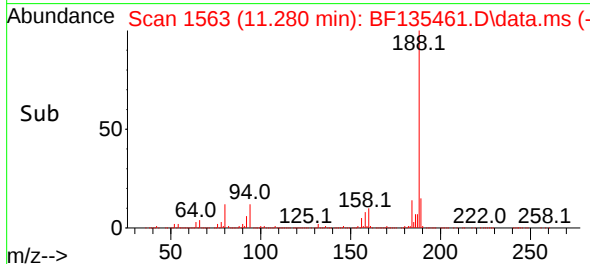
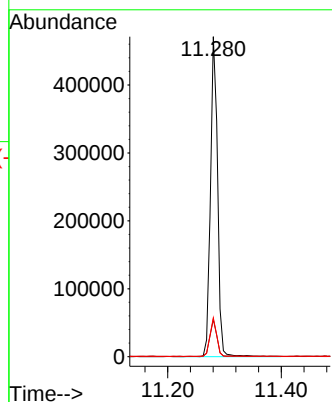
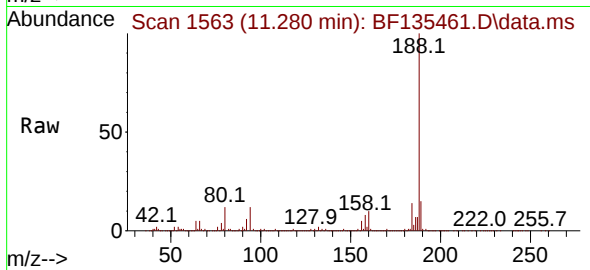
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Instrument :
BNA_F
ClientSampleId :
B102-08-2

Tgt Ion:188 Resp: 405404
Ion Ratio Lower Upper
188 100
94 11.7 7.0 10.6
80 12.2 7.5 11.3

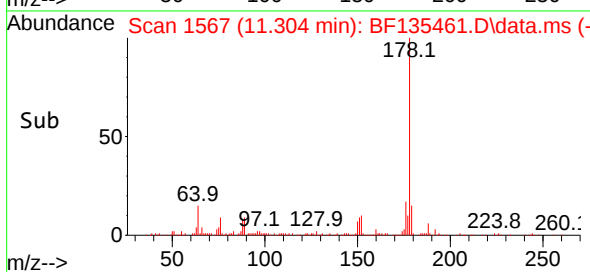
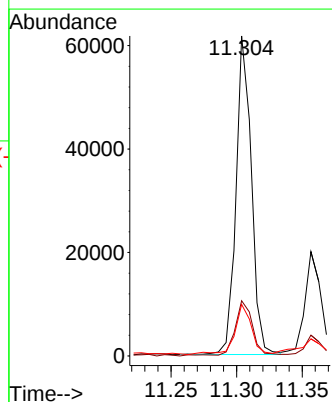
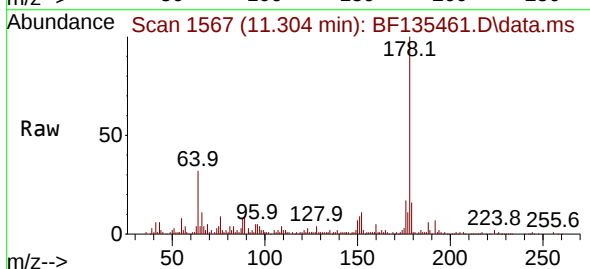
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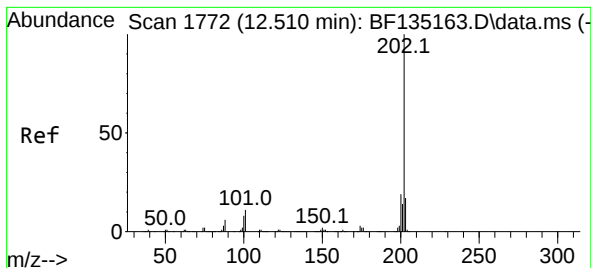
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#71
Phenanthrene
Concen: 2.625 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:178 Resp: 50333
Ion Ratio Lower Upper
178 100
176 17.3 15.6 23.4
179 16.1 12.0 18.0





#75

Fluoranthene

Concen: 6.958 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.000 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

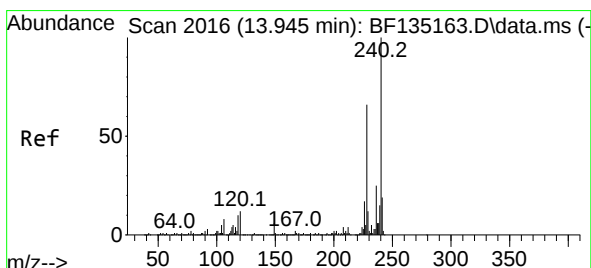
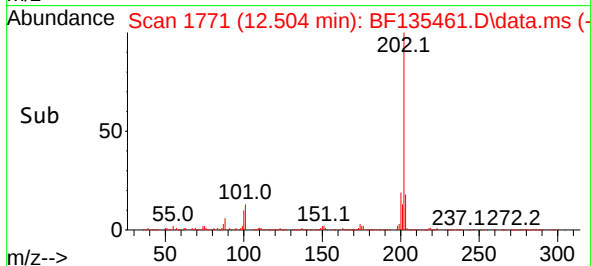
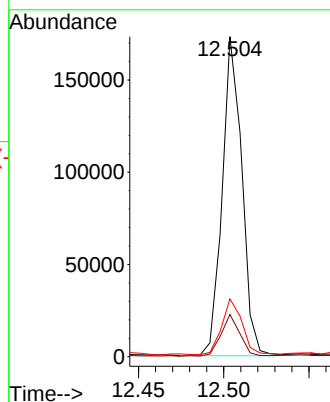
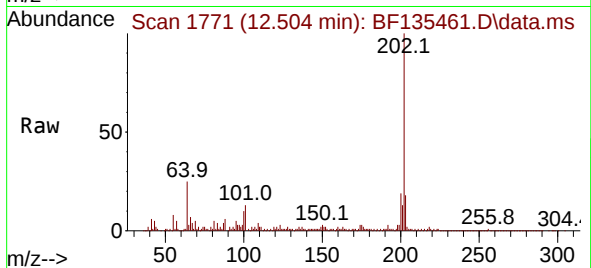
Tgt Ion:	202	Resp:	13900
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	31.3
203	18.1	0.0	37.4

Manual Integrations

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Supervised By :mohammad ahmed 09/29/2023



#76

Chrysene-d12

Concen: 20.000 ng

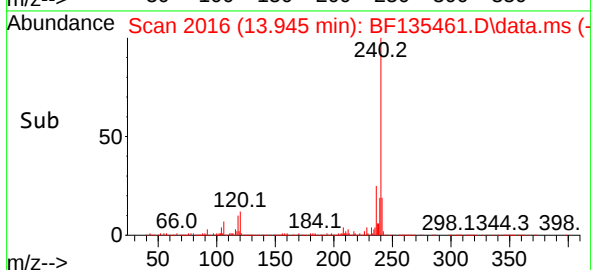
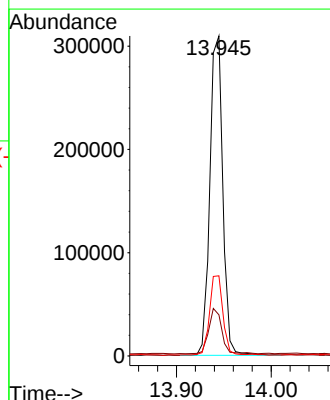
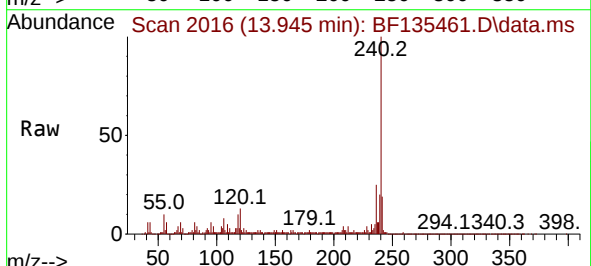
RT: 13.945 min Scan# 2016

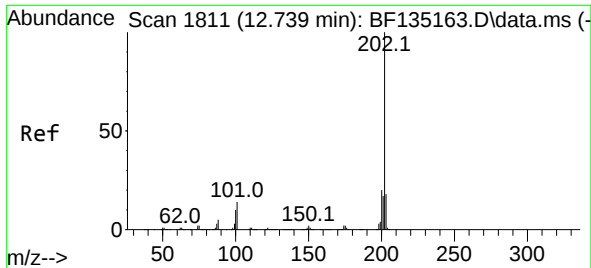
Delta R.T. -0.000 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

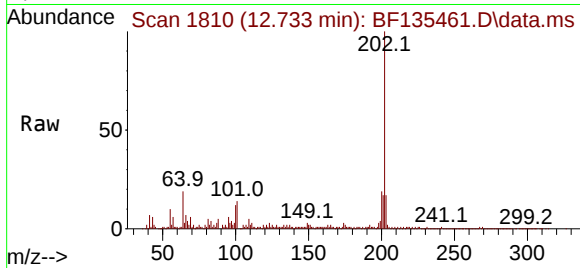
Tgt Ion:	240	Resp:	292778
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.4	14.2
236	25.1	19.8	29.8





#78
Pyrene
Concen: 4.936 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

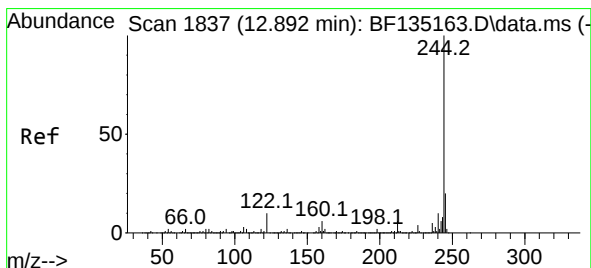
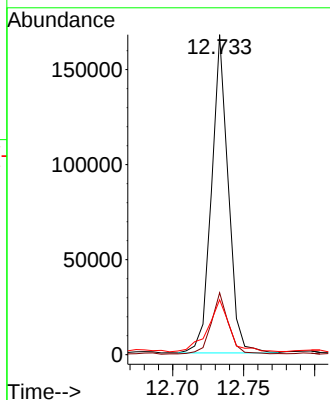
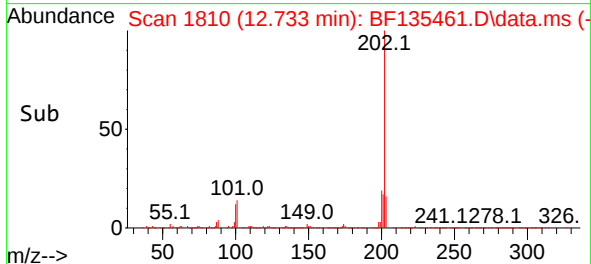
Instrument :
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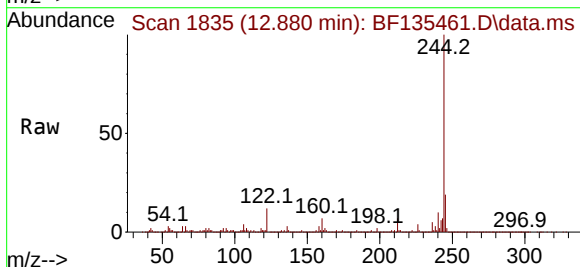
Tgt Ion:202 Resp: 13759
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.1 14.2 21.4

Manual Integrations
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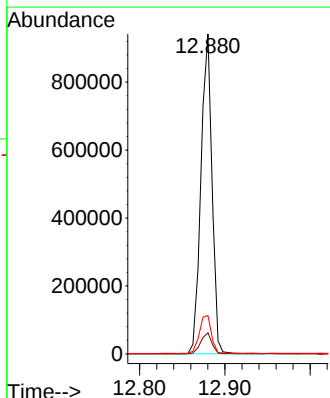
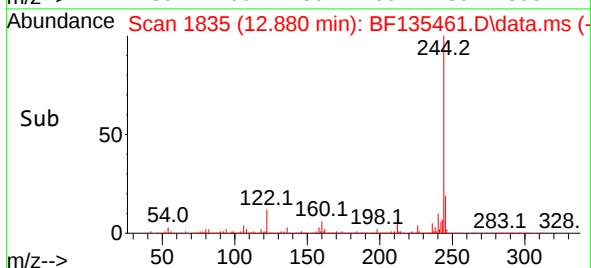
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

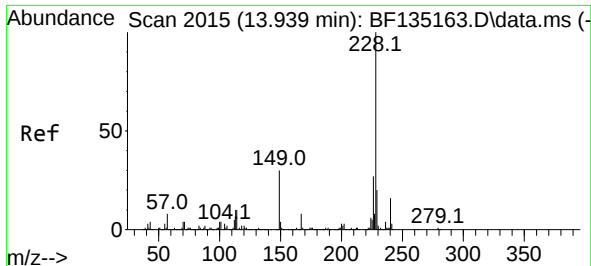


#79
Terphenyl-d14
Concen: 45.109 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29



Tgt Ion:244 Resp: 851954
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 12.0 7.9 11.9





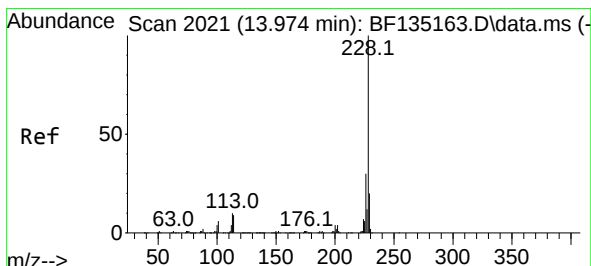
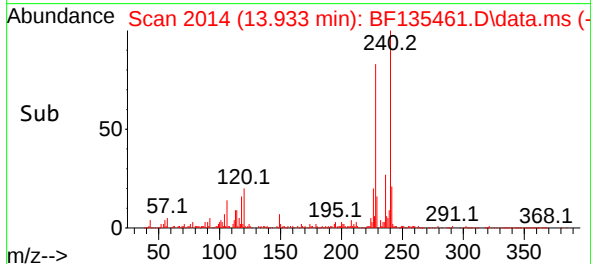
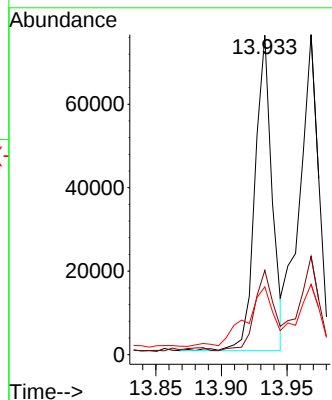
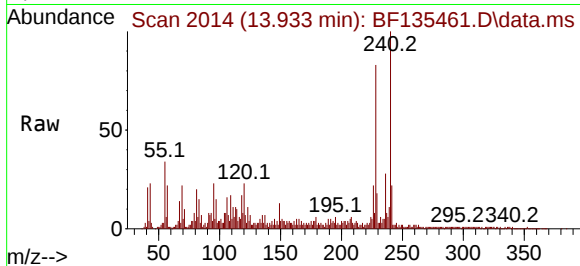
#81
Benzo(a)anthracene
Concen: 3.623 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Instrument :
BNA_F
ClientSampleId :
B102-08-2

Tgt Ion:228 Resp: 68498
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 21.2 15.8 23.8

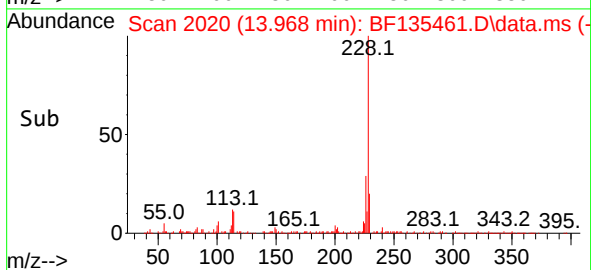
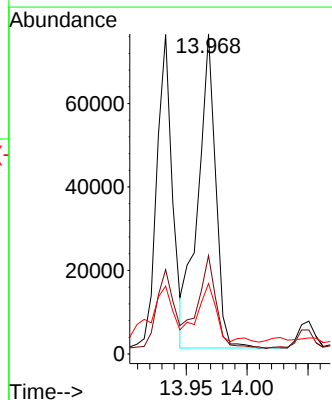
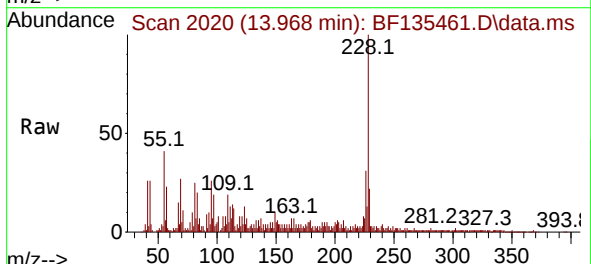
Manual Integrations
APPROVED

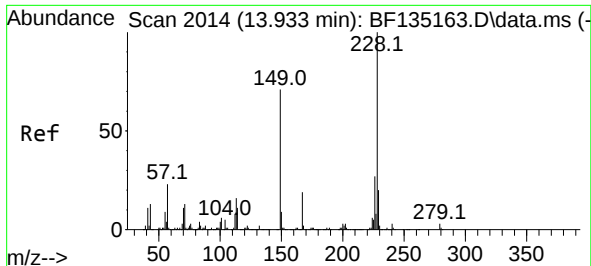
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#83
Chrysene
Concen: 4.060 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:228 Resp: 76314
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.0 16.0 24.0





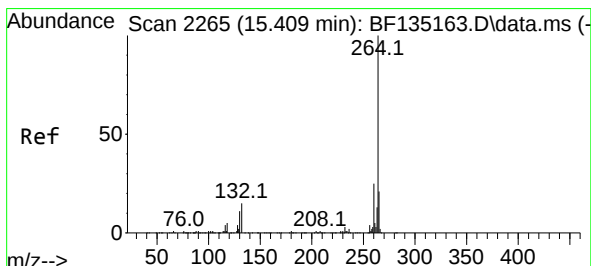
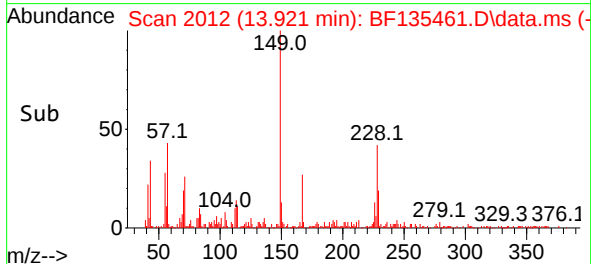
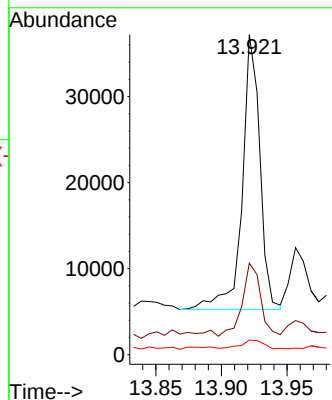
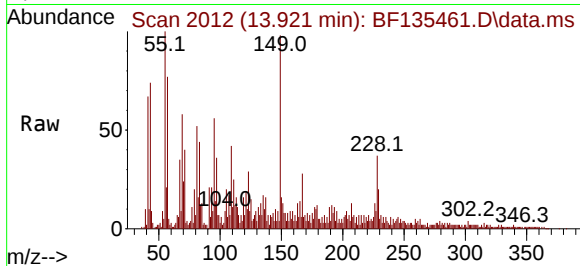
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.971 ng
RT: 13.921 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Instrument :
BNA_F
ClientSampleId :
B102-08-2

Tgt Ion:149 Resp: 29924
Ion Ratio Lower Upper
149 100
167 28.6 21.9 32.9
279 4.6 3.3 4.9

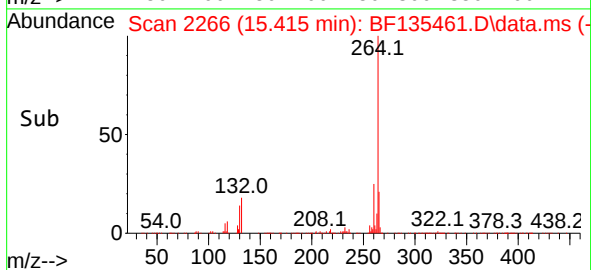
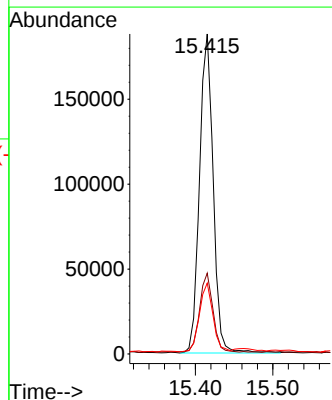
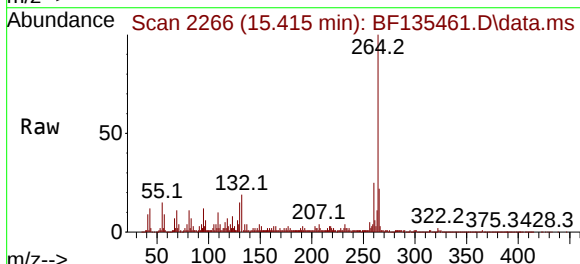
Manual Integrations
APPROVED

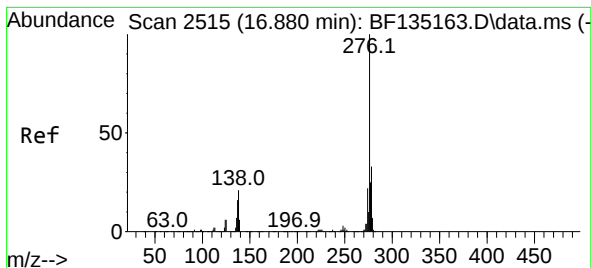
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.012 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:264 Resp: 230645
Ion Ratio Lower Upper
264 100
260 25.3 19.8 29.6
265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.611 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.012 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

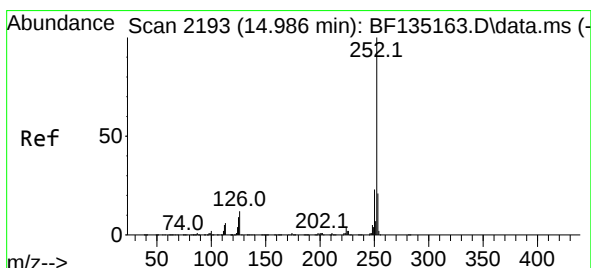
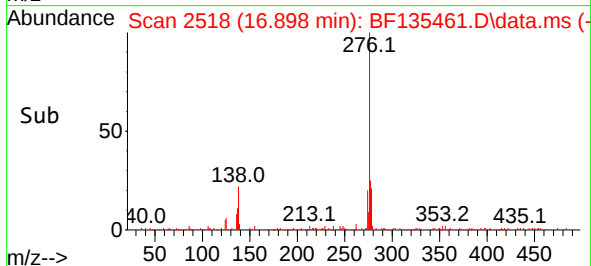
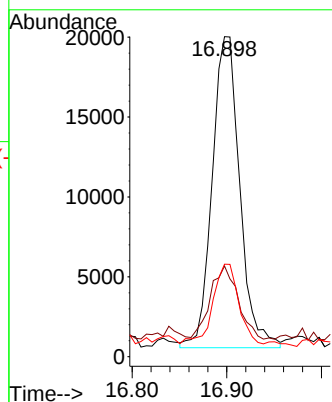
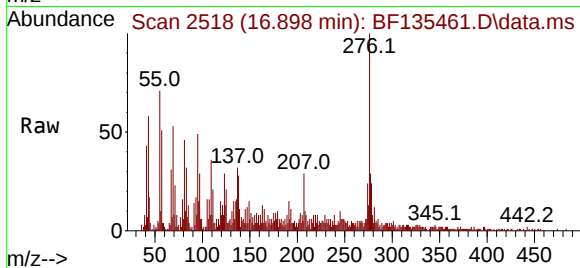
Tgt Ion:	276	Resp:	39479
Ion Ratio	Lower	Upper	
276	100		
138	23.7	19.2	28.8
277	24.1	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/27/2023

Supervised By :mohammad ahmed 09/29/2023



#88

Benzo(b)fluoranthene

Concen: 6.607 ng m

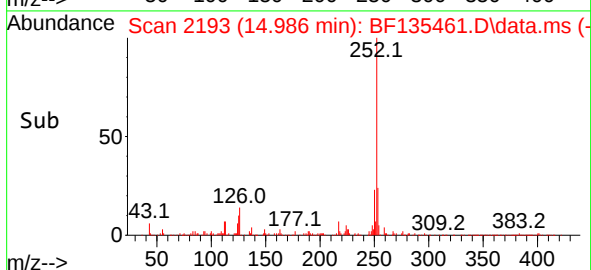
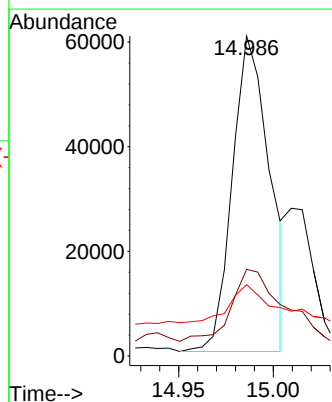
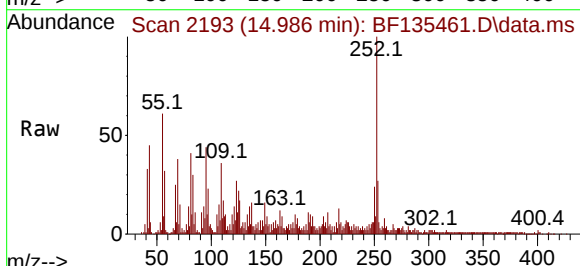
RT: 14.986 min Scan# 2193

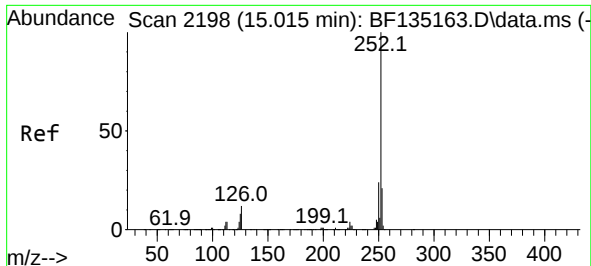
Delta R.T. 0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Tgt Ion:	252	Resp:	82495
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.2	25.8#
125	22.2	7.1	10.7#





#89

Benzo(k)fluoranthene

Concen: 2.172 ng m

RT: 15.009 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

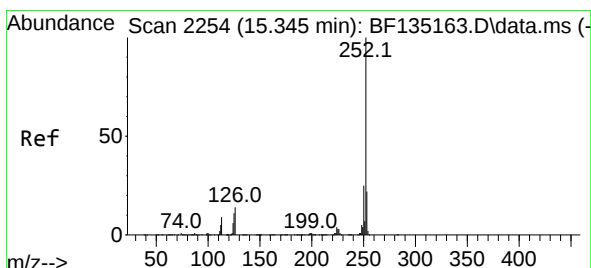
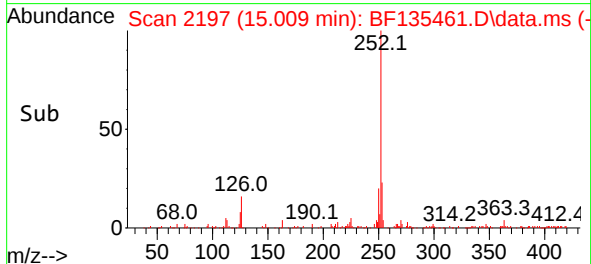
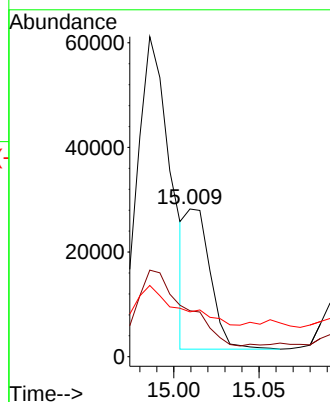
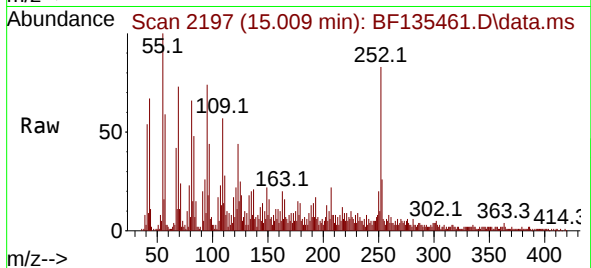
Tgt Ion:252	Resp:	26788
Ion Ratio	Lower	Upper
252	100	
253	31.1	17.4 26.0#
125	30.3	7.2 10.8#

Manual Integrations

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Reviewed By :Yogesh Patel 09/27/2023

Supervised By :mohammad ahmed 09/29/2023



#90

Benzo(a)pyrene

Concen: 4.655 ng

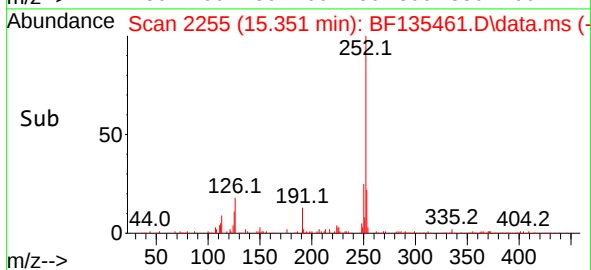
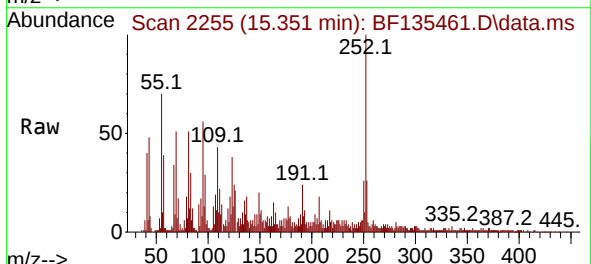
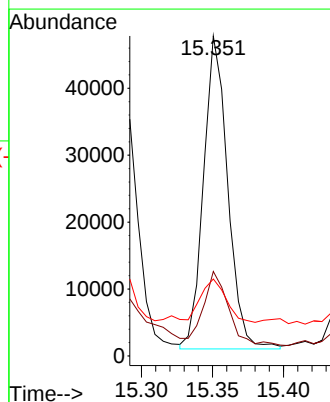
RT: 15.351 min Scan# 2255

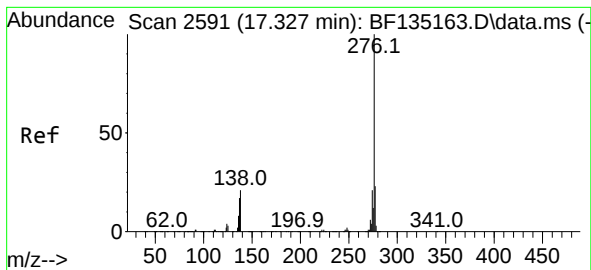
Delta R.T. 0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Tgt Ion:252	Resp:	55430
Ion Ratio	Lower	Upper
252	100	
253	26.4	17.5 26.3#
125	24.1	9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 3.487 ng

RT: 17.345 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

Tgt Ion:	276	Resp:	45064
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.8	28.2
138	29.2	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/27/2023

Supervised By :mohammad ahmed 09/29/2023

