

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135217.D
 Acq On : 13 Sep 2023 10:50
 Operator : CG\JU
 Sample : 04110-20DL 20X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-28(1.5-2.5)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 12:19:00 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	6.763	152	104417	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	382493	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	162068	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	249381	20.000	ng	0.00
76) Chrysene-d12	13.945	240	200076	20.000	ng	0.00
86) Perylene-d12	15.409	264	183099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	24520	3.819	ng	0.00
7) Phenol-d6	6.398	99	33247	4.073	ng	0.00
23) Nitrobenzene-d5	7.322	82	21442	3.046	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	4970	3.086	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	44021	4.098	ng	-0.01
79) Terphenyl-d14	12.880	244	28767	2.229	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.510	202	165144	13.437	ng	98
78) Pyrene	12.739	202	231195	12.137	ng	99
81) Benzo(a)anthracene	13.933	228	139224	10.776	ng	94
83) Chrysene	13.968	228	130414	10.153	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	55242	4.602	ng	96
88) Benzo(b)fluoranthene	14.986	252	191493m	19.320	ng	
89) Benzo(k)fluoranthene	15.009	252	56806m	5.802	ng	
90) Benzo(a)pyrene	15.345	252	106043	11.219	ng	97
92) Benzo(g,h,i)perylene	17.327	276	44933	4.380	ng #	93

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

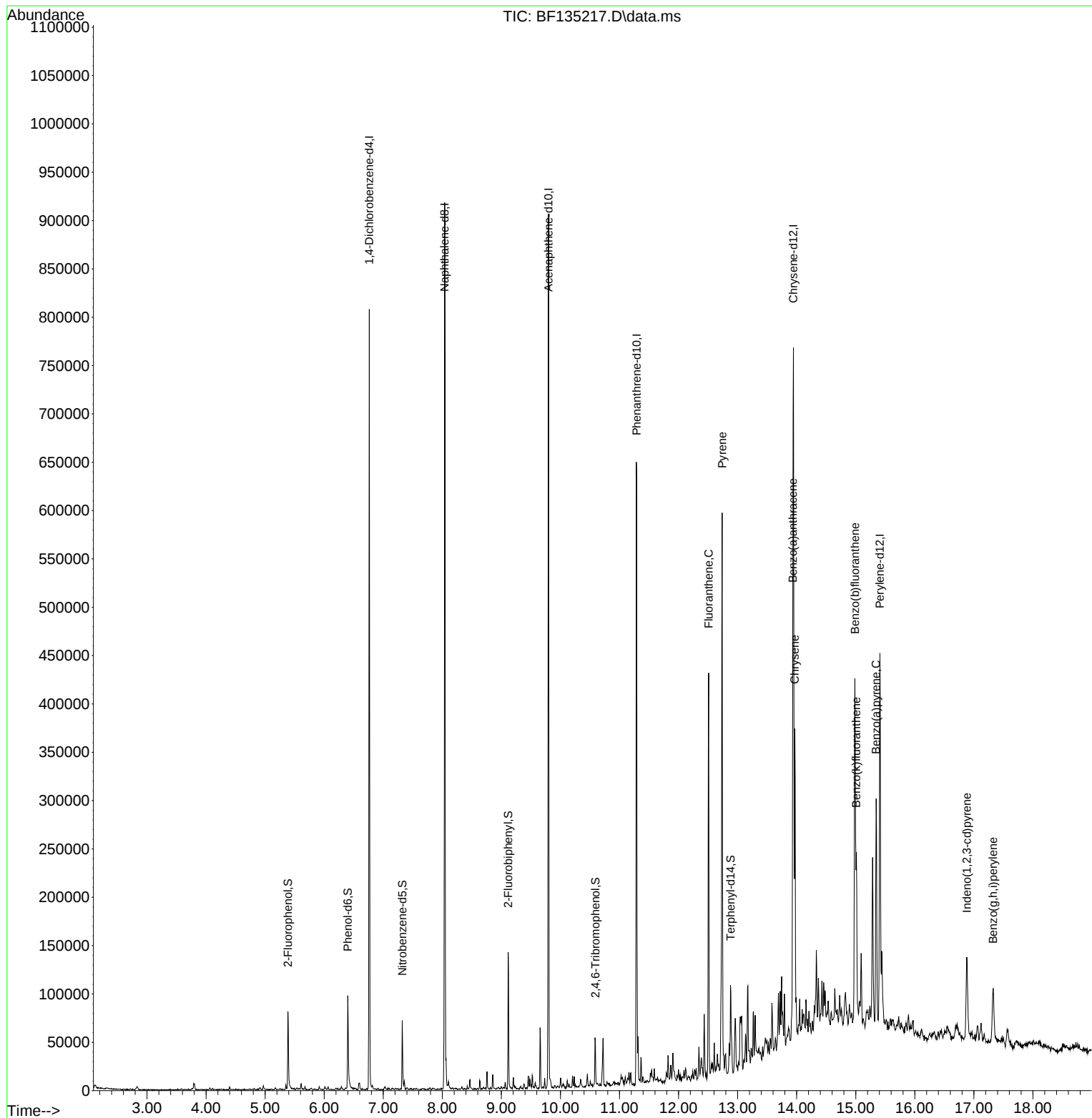
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135217.D
Acq On : 13 Sep 2023 10:50
Operator : CG\JU
Sample : 04110-20DL 20X
Misc :
ALS Vial : 32 Sample Multiplier: 1

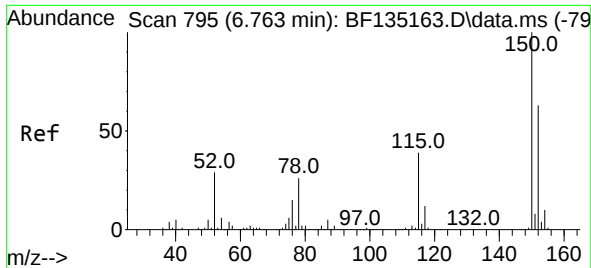
Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)DL

Quant Time: Sep 13 12:19:00 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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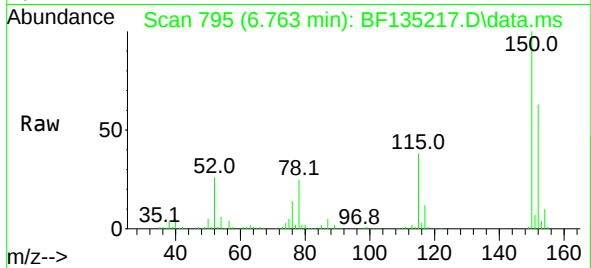
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

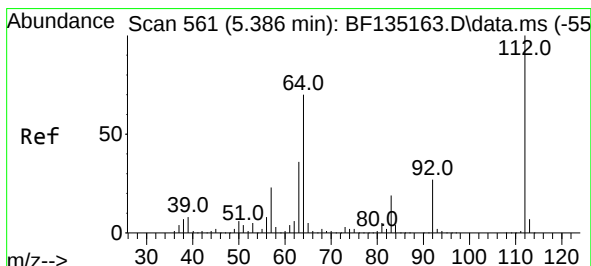
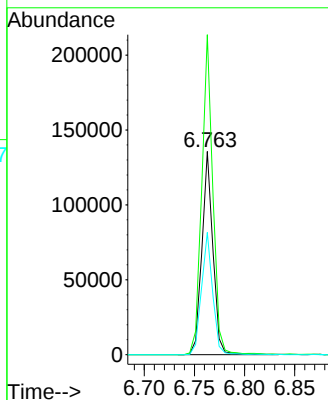
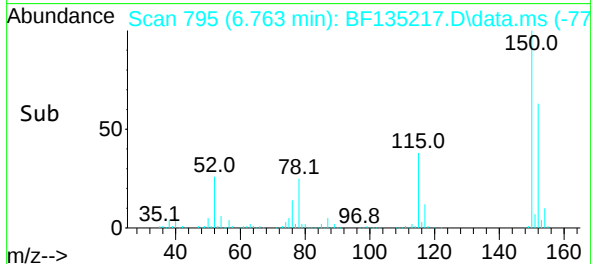
Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)DL



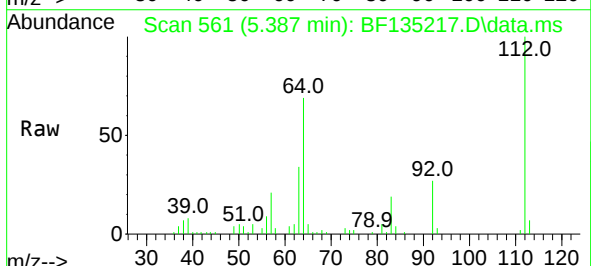
Tgt Ion:152 Resp: 10441
Ion Ratio Lower Upper
152 100
150 157.5 127.8 191.6
115 60.2 49.8 74.8

Manual Integrations
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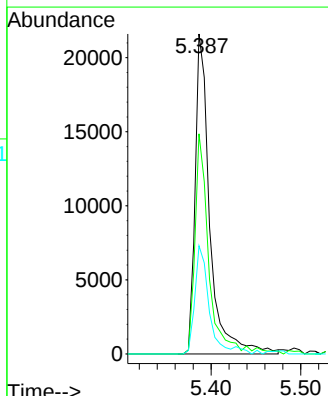
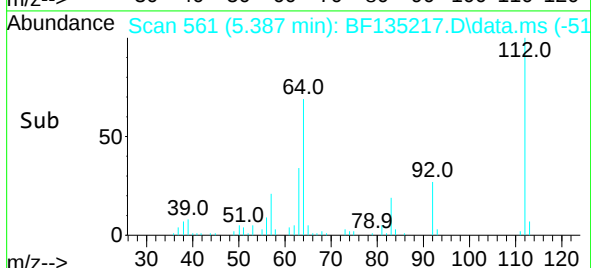
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

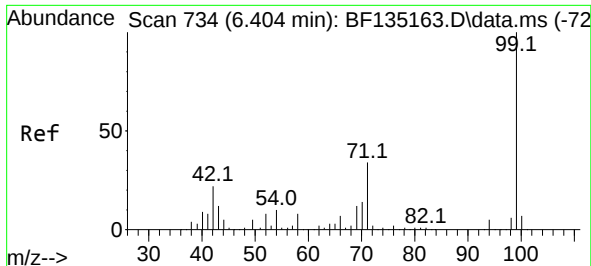


#5
2-Fluorophenol
Concen: 3.819 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50



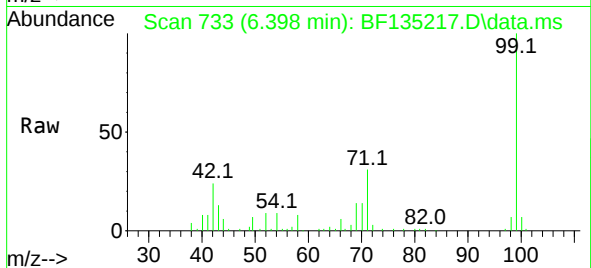
Tgt Ion:112 Resp: 24520
Ion Ratio Lower Upper
112 100
64 68.8 55.9 83.9
63 33.8 29.0 43.6





#7
Phenol-d6
Concen: 4.073 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

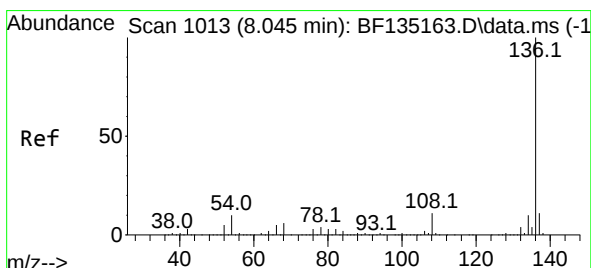
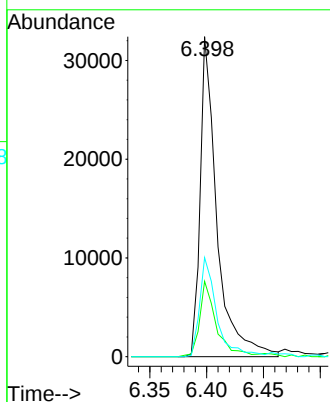
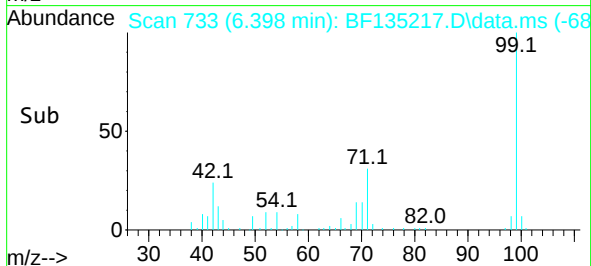
Instrument :
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ClientSampleId :
TP-28(1.5-2.5)DL



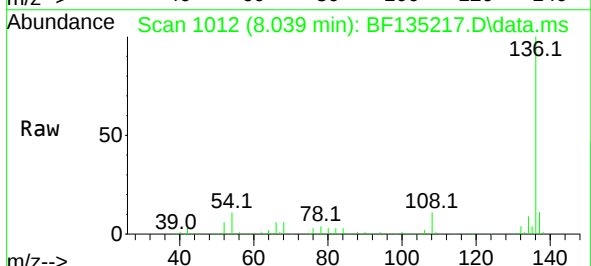
Tgt Ion: 99 Resp: 3324
Ion Ratio Lower Upper
99 100
42 23.6 17.9 26.9
71 31.0 27.0 40.6

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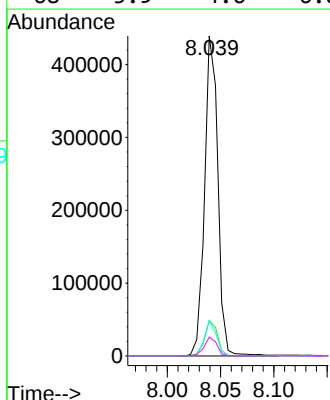
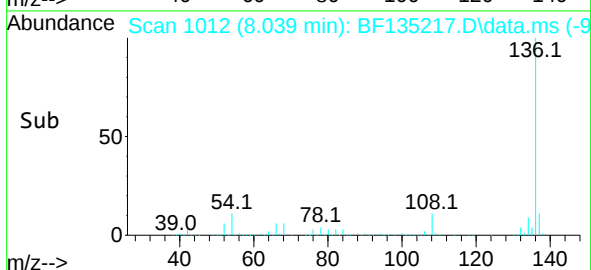
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

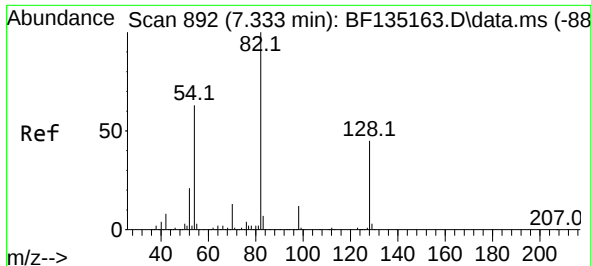


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50



Tgt Ion:136 Resp: 382493
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.0 7.7 11.5
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 3.046 ng

RT: 7.322 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA_F

ClientSampleId :

TP-28(1.5-2.5)DL

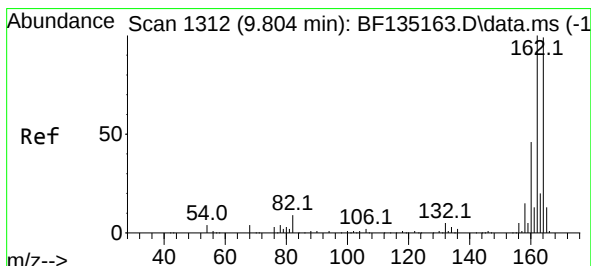
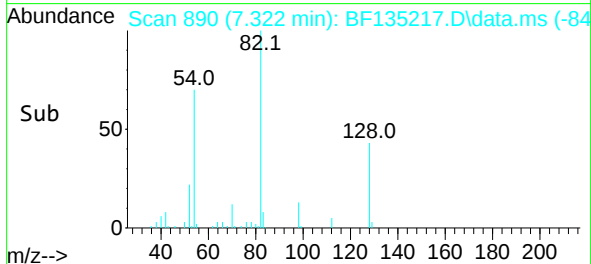
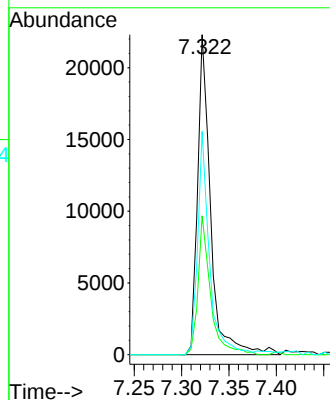
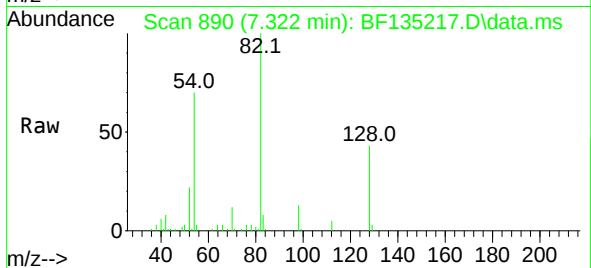
Tgt Ion:	82	Resp:	2144
Ion Ratio	Lower	Upper	
82	100		
128	43.4	35.8	53.6
54	69.8	50.6	76.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

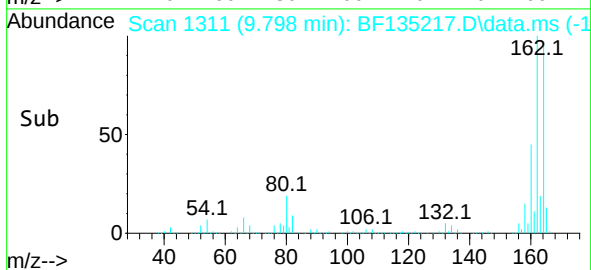
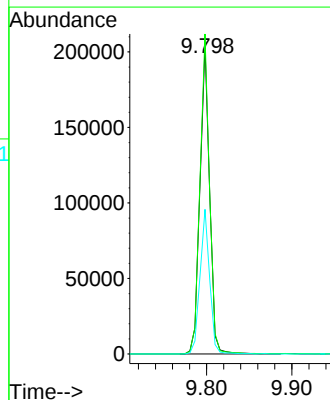
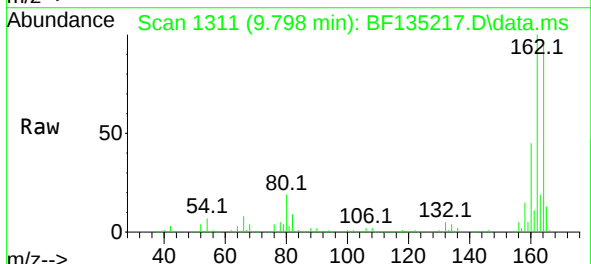
RT: 9.798 min Scan# 1311

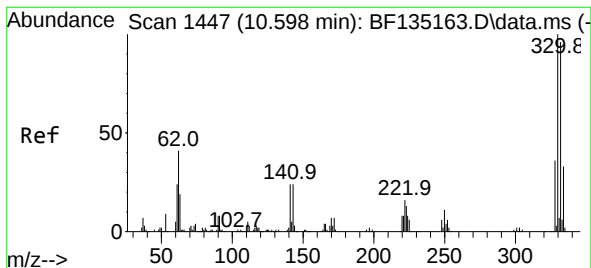
Delta R.T. -0.006 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

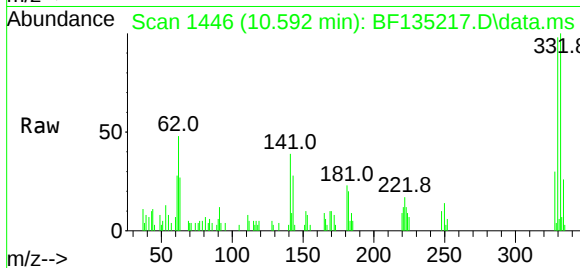
Tgt Ion:	164	Resp:	162068
Ion Ratio	Lower	Upper	
164	100		
162	103.7	81.0	121.4
160	46.9	37.0	55.4





#42
 2,4,6-Tribromophenol
 Concen: 3.086 ng
 RT: 10.592 min Scan# 1446
 Delta R.T. -0.006 min
 Lab File: BF135217.D
 Acq: 13 Sep 2023 10:50

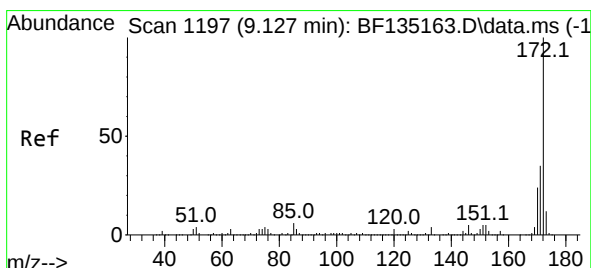
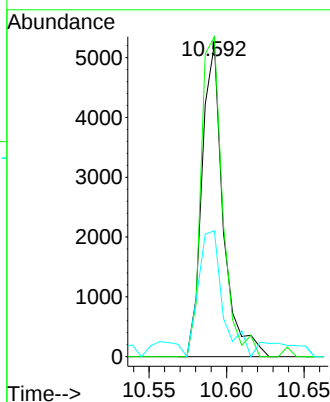
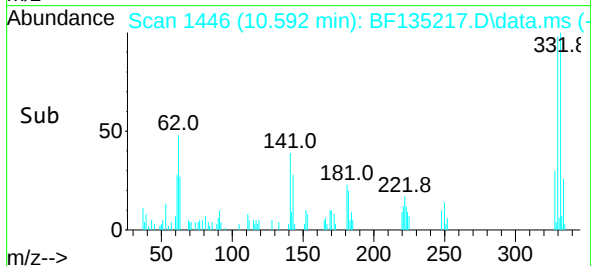
Instrument :
 BNA_F
 ClientSampleId :
 TP-28(1.5-2.5)DL



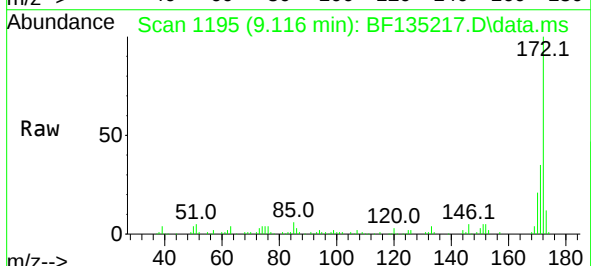
Tgt Ion: 330 Resp: 4970
 Ion Ratio Lower Upper
 330 100
 332 104.1 77.3 115.9
 141 45.7 25.8 38.8

Manual Integrations
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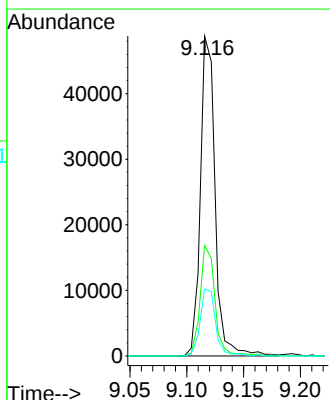
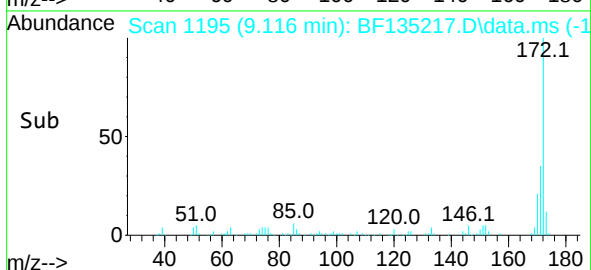
Reviewed By : Yogesh Patel 09/13/2023
 Supervised By : mohammad ahmed 09/14/2023



#45
 2-Fluorobiphenyl
 Concen: 4.098 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BF135217.D
 Acq: 13 Sep 2023 10:50



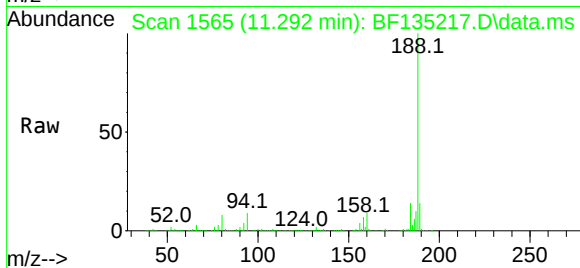
Tgt Ion: 172 Resp: 44021
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.4 42.6
 170 20.9 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

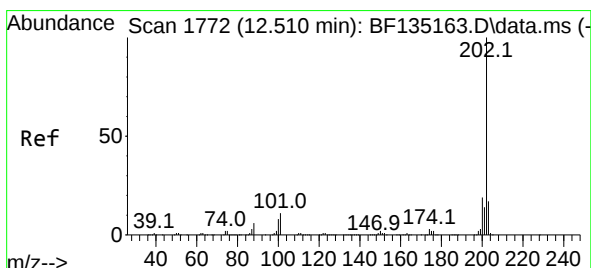
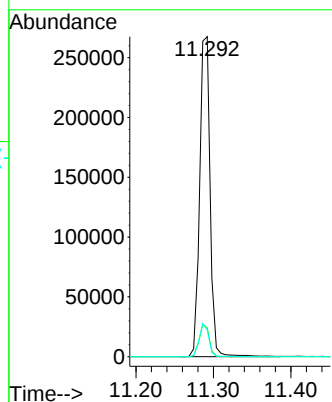
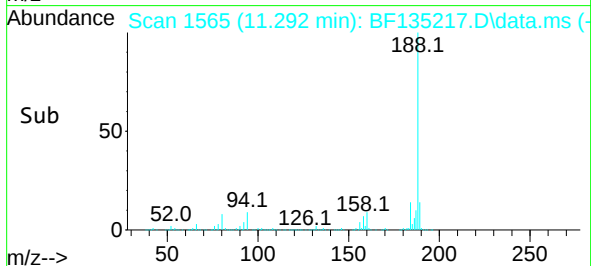
Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)DL



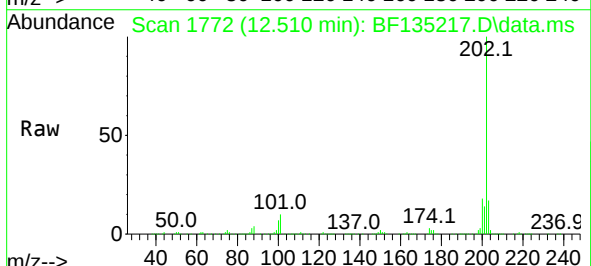
Tgt Ion:188 Resp: 24938
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 8.3 7.5 11.3

Manual Integrations
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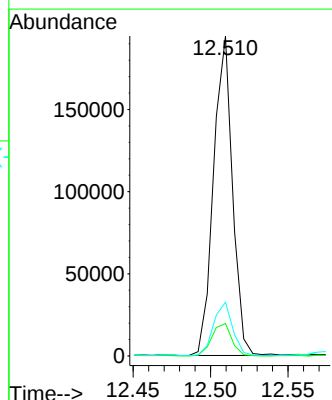
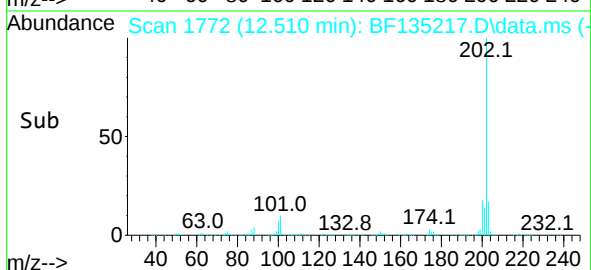
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

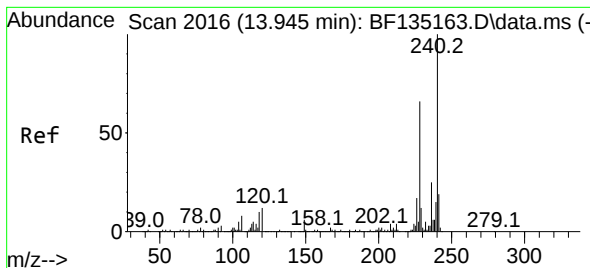


#75
Fluoranthene
Concen: 13.437 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50



Tgt Ion:202 Resp: 165144
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
203 16.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA_F

ClientSampleId :

TP-28(1.5-2.5)DL

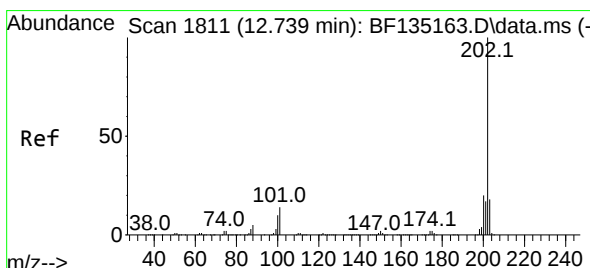
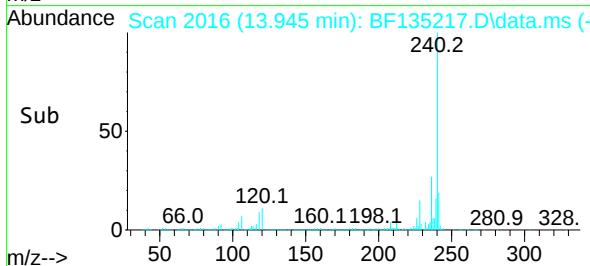
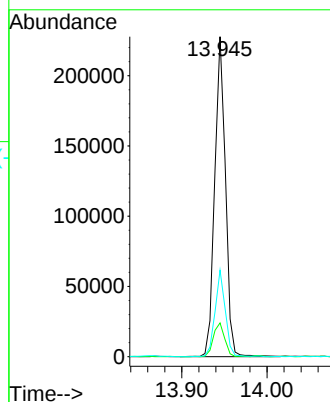
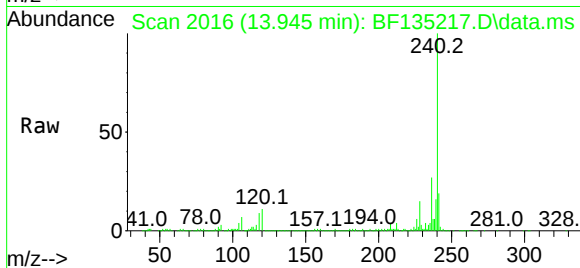
Tgt Ion:	240	Resp:	200070
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.4	14.2
236	27.0	19.8	29.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#78

Pyrene

Concen: 12.137 ng

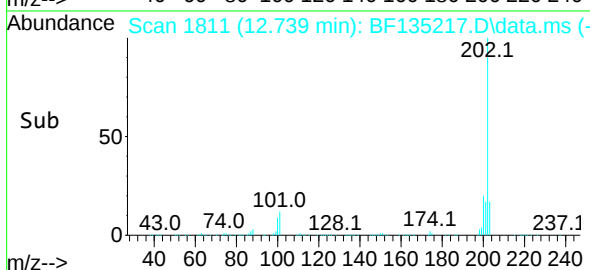
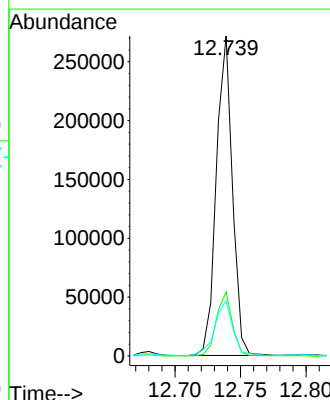
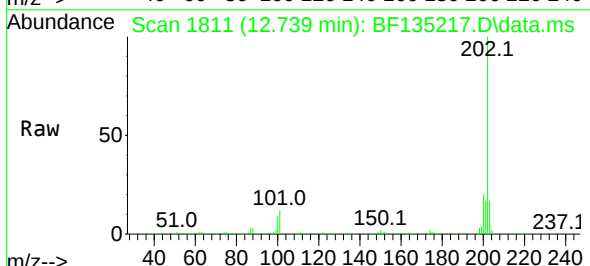
RT: 12.739 min Scan# 1811

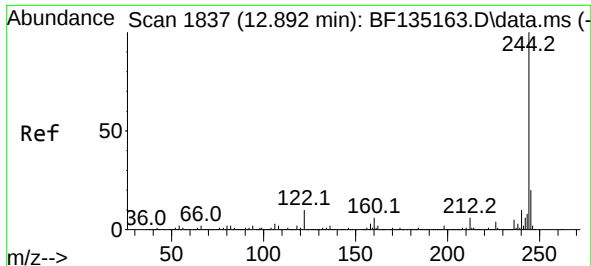
Delta R.T. 0.000 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

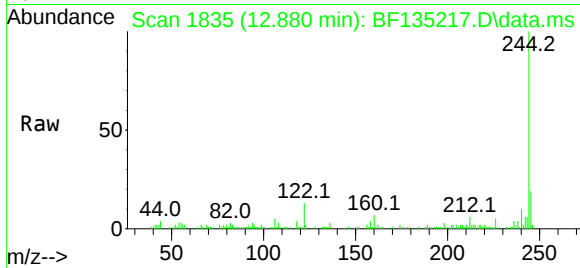
Tgt Ion:	202	Resp:	231195
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.2	24.2
203	17.2	14.2	21.4





#79
 Terphenyl-d14
 Concen: 2.229 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135217.D
 Acq: 13 Sep 2023 10:50

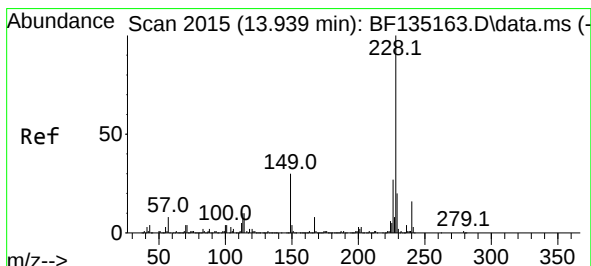
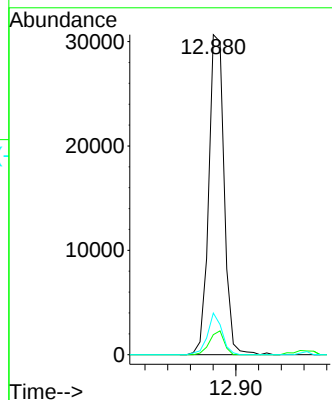
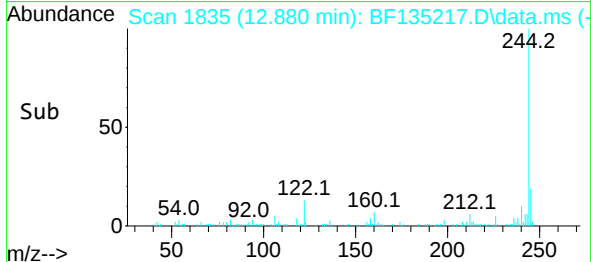
Instrument :
 BNA_F
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 TP-28(1.5-2.5)DL



Tgt Ion:244 Resp: 2876
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 13.0 7.9 11.9

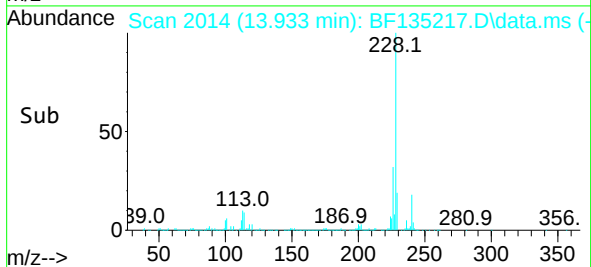
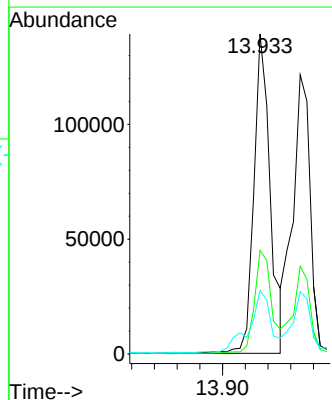
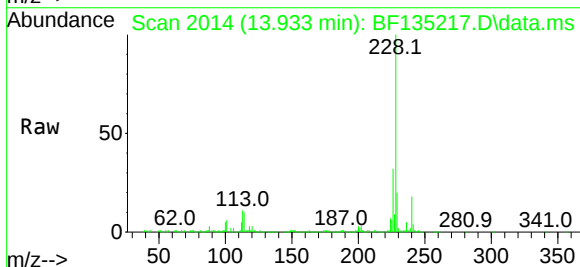
Manual Integrations
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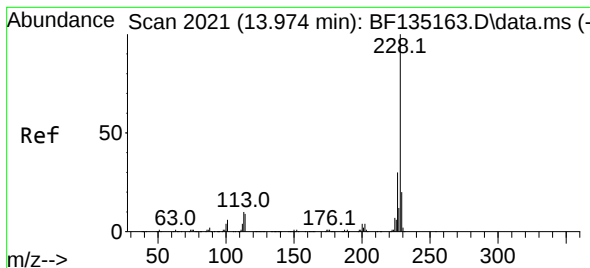
Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



#81
 Benzo(a)anthracene
 Concen: 10.776 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135217.D
 Acq: 13 Sep 2023 10:50

Tgt Ion:228 Resp: 139224
 Ion Ratio Lower Upper
 228 100
 226 32.4 21.7 32.5
 229 19.8 15.8 23.8





#83

Chrysene

Concen: 10.153 ng

RT: 13.968 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Instrument :

BNA_F

ClientSampleId :

TP-28(1.5-2.5)DL

Tgt Ion:228 Resp: 130414

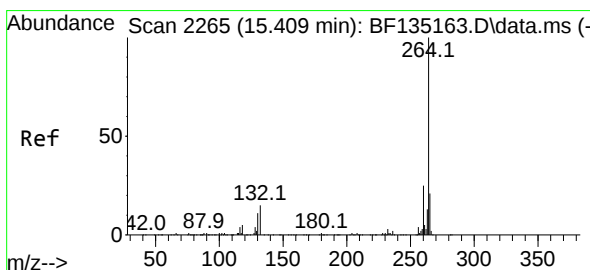
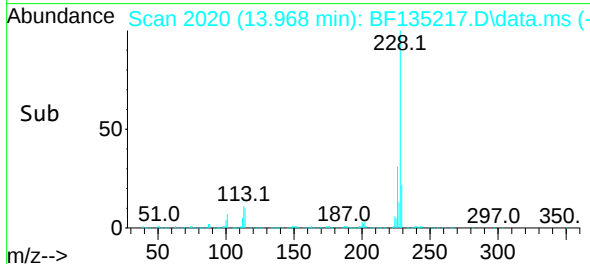
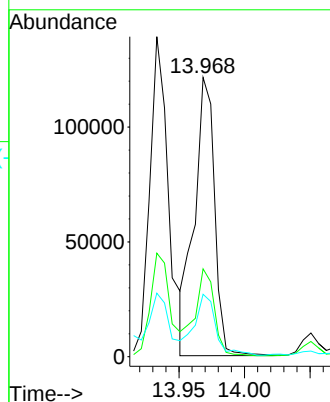
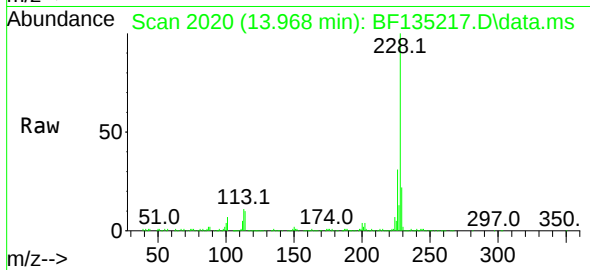
Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.3	36.5
229	22.4	16.0	24.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2265

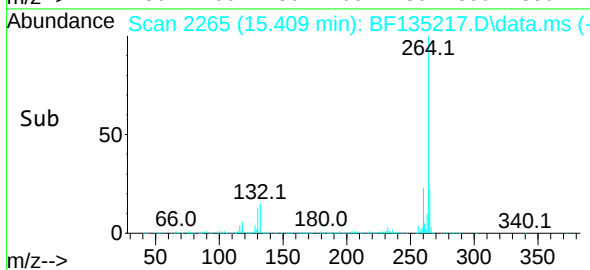
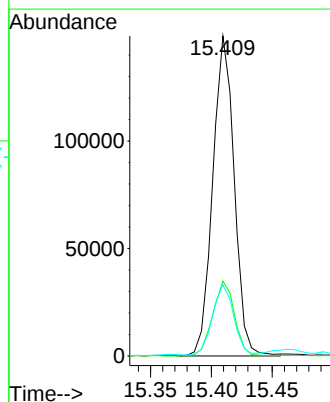
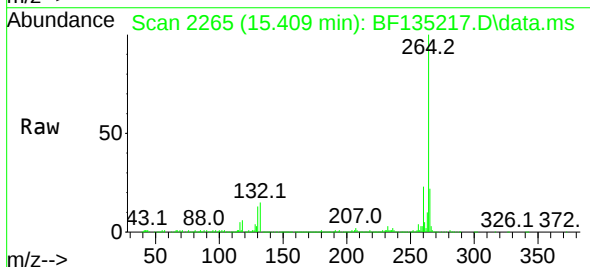
Delta R.T. 0.000 min

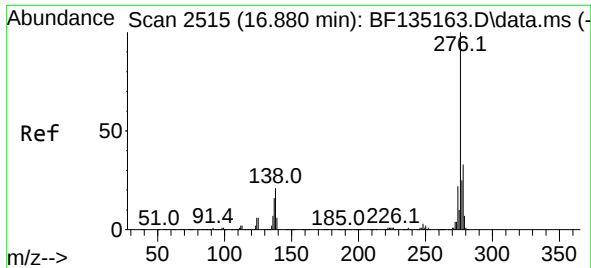
Lab File: BF135217.D

Acq: 13 Sep 2023 10:50

Tgt Ion:264 Resp: 183099

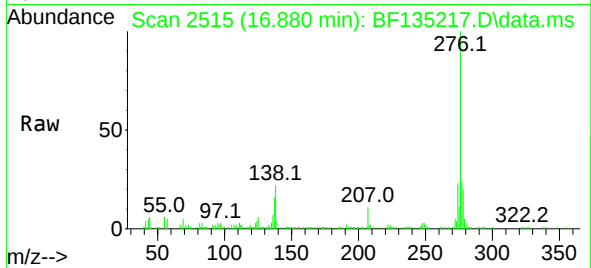
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.6
265	22.2	17.0	25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.602 ng
RT: 16.880 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

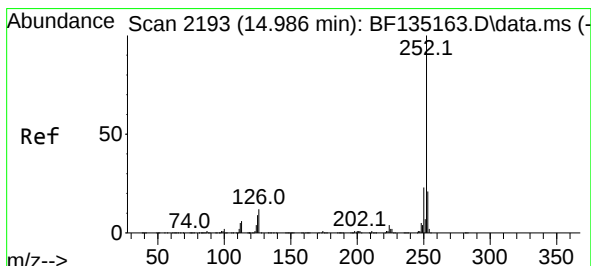
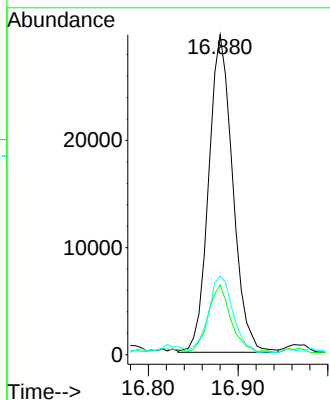
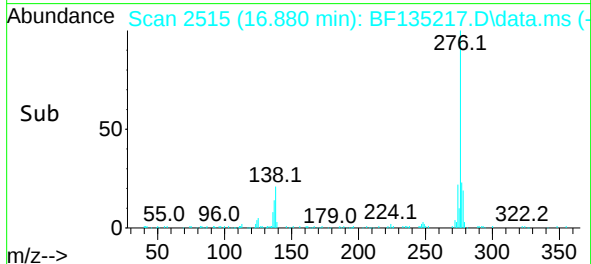
Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)DL



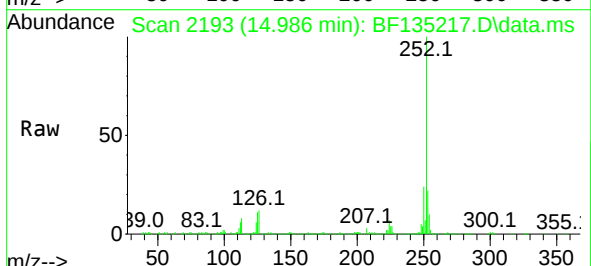
Tgt Ion:276 Resp: 5524
Ion Ratio Lower Upper
276 100
138 20.5 19.2 28.8
277 24.7 19.7 29.5

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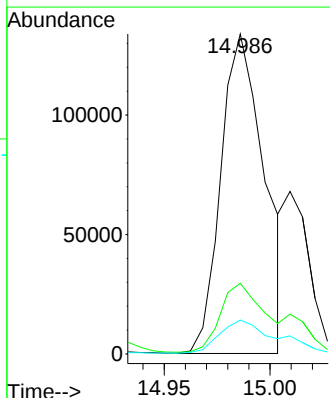
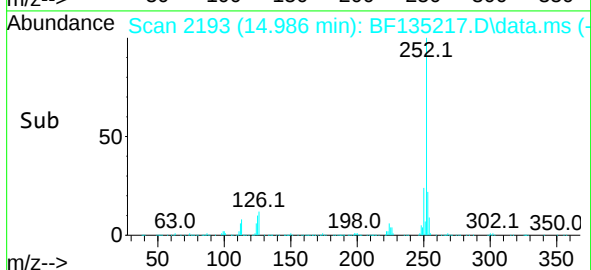
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

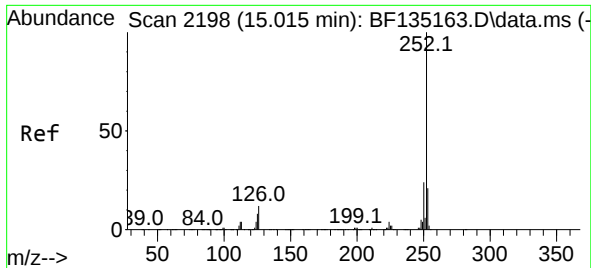


#88
Benzo(b)fluoranthene
Concen: 19.320 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50



Tgt Ion:252 Resp: 191493
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 10.6 7.1 10.7





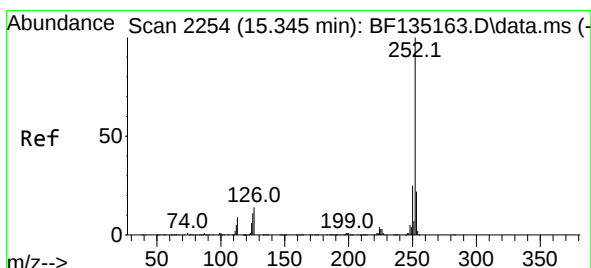
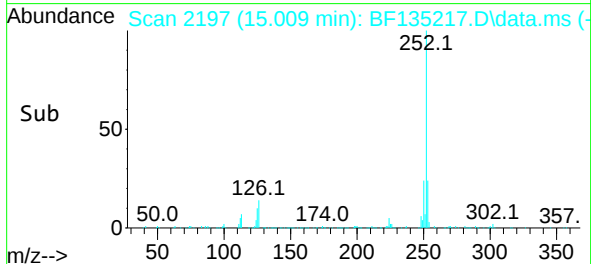
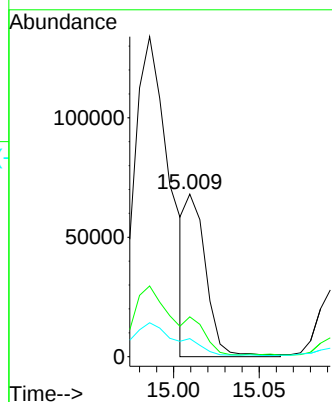
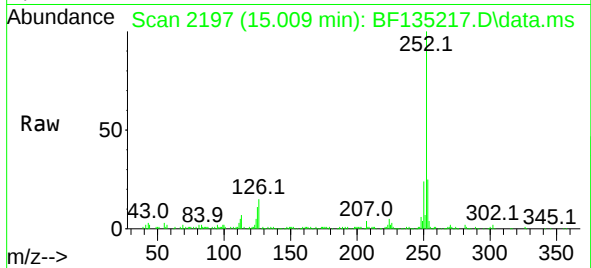
#89
Benzo(k)fluoranthene
Concen: 5.802 ng m
RT: 15.009 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)DL

Tgt Ion:252 Resp: 56800
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 11.2 7.2 10.8

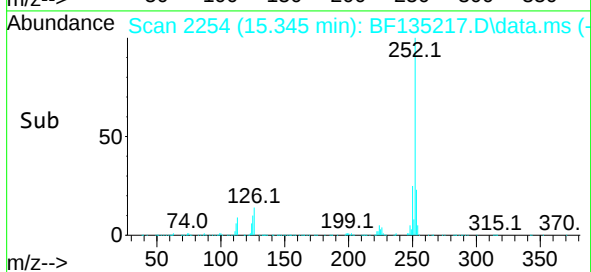
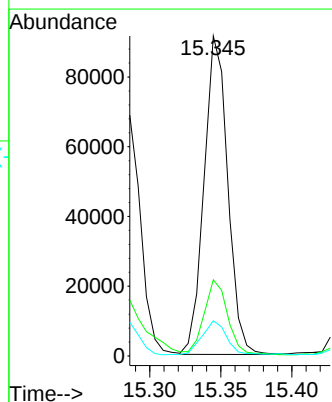
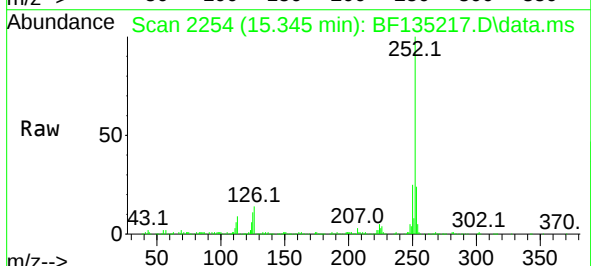
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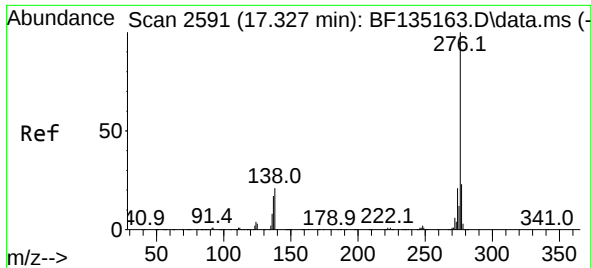
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#90
Benzo(a)pyrene
Concen: 11.219 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

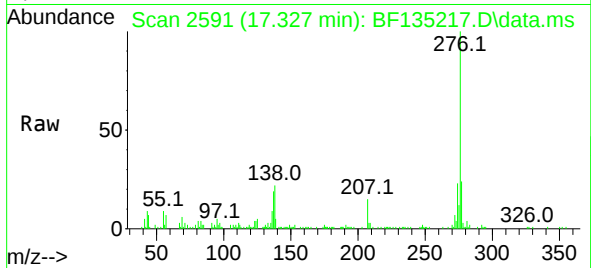
Tgt Ion:252 Resp: 106043
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.0 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 4.380 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF135217.D
Acq: 13 Sep 2023 10:50

Instrument :
BNA_F
ClientSampleId :
TP-28(1.5-2.5)DL



Tgt Ion:276 Resp: 4493
Ion Ratio Lower Upper
276 100
277 23.6 18.8 28.2
138 27.7 16.9 25.3

Manual Integrations
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Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

