

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135266.D
 Acq On : 14 Sep 2023 21:42
 Operator : CG\JU
 Sample : 04399-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11985

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 01:37:33 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	121178	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	455602	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	215424	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	334166	20.000	ng	0.00
76) Chrysene-d12	13.945	240	219608	20.000	ng	0.00
86) Perylene-d12	15.415	264	239994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	726134	97.461	ng	0.02
7) Phenol-d6	6.410	99	903574	95.377	ng	0.00
23) Nitrobenzene-d5	7.328	82	566642	67.571	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	174827	81.665	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1012847	70.935	ng	0.00
79) Terphenyl-d14	12.886	244	800791	56.527	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.316	178	97906	6.195	ng	99
75) Fluoranthene	12.510	202	241945	14.692	ng	98
78) Pyrene	12.739	202	207788	9.938	ng	97
81) Benzo(a)anthracene	13.933	228	85374	6.020	ng	98
83) Chrysene	13.974	228	104814	7.434	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	51052	6.758	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	48298	3.069	ng	98
88) Benzo(b)fluoranthene	14.986	252	141005m	10.853	ng	
89) Benzo(k)fluoranthene	15.015	252	47452m	3.698	ng	
90) Benzo(a)pyrene	15.351	252	81733	6.597	ng	96
92) Benzo(g,h,i)perylene	17.333	276	47677	3.546	ng	97

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

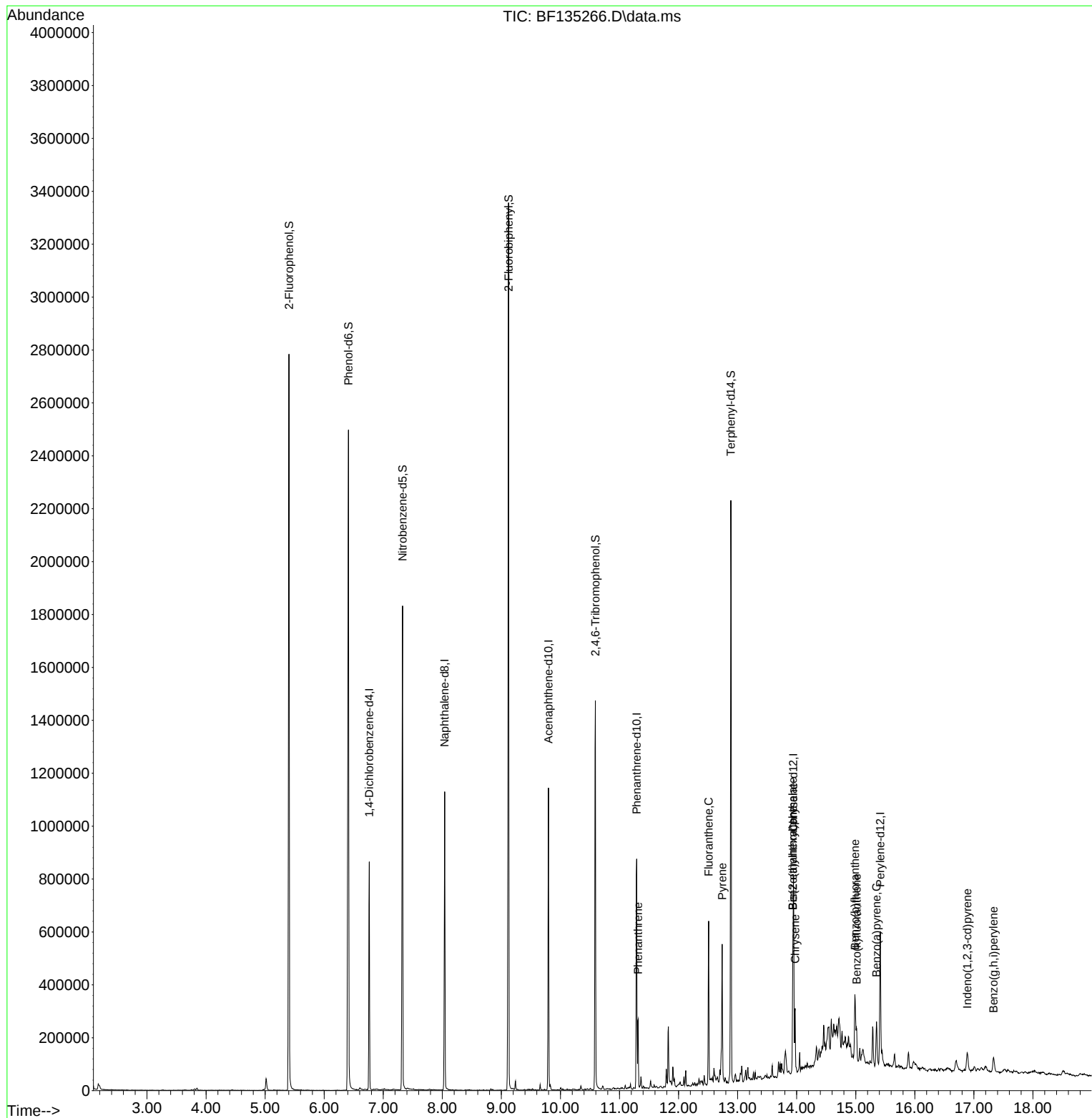
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
Data File : BF135266.D
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Sample : 04399-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

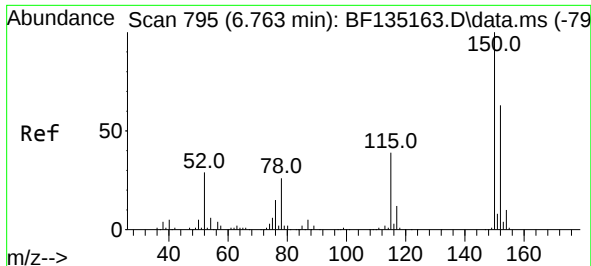
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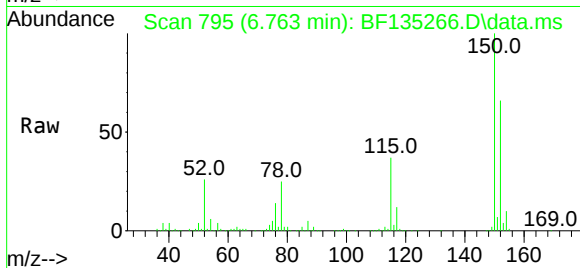
Quant Time: Sep 15 01:37:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

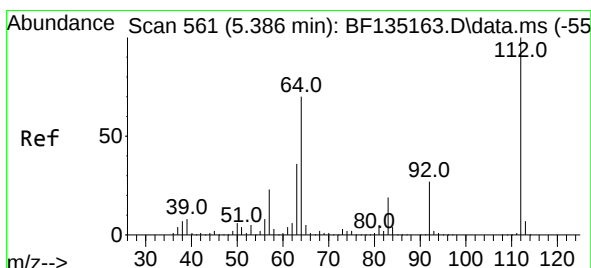
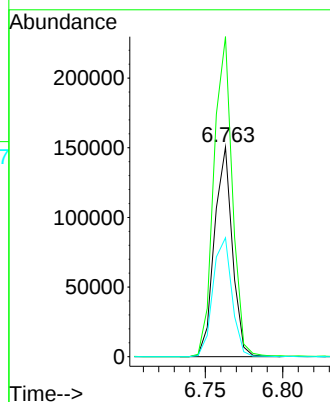
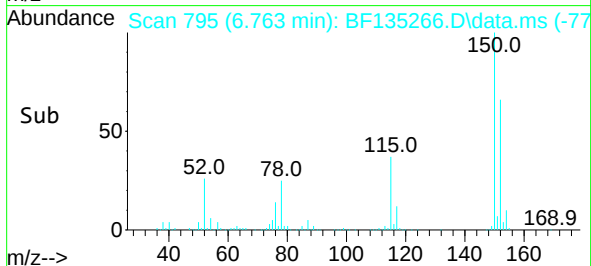
Instrument :
BNA_F
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72-11985



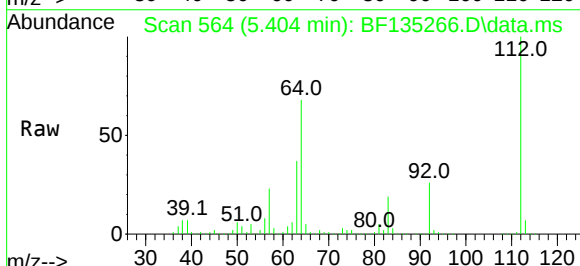
Tgt Ion:152 Resp: 121178
Ion Ratio Lower Upper
152 100
150 152.6 127.8 191.6
115 56.7 49.8 74.8

Manual Integrations
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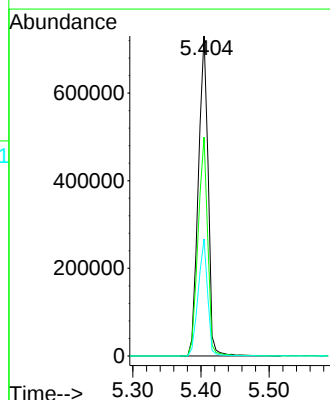
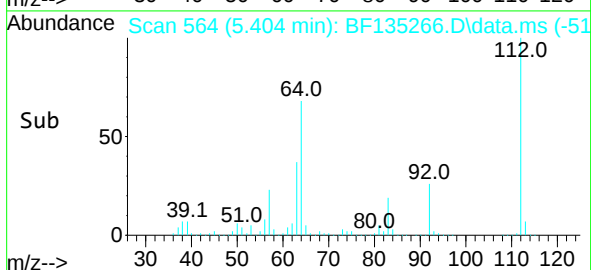
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#5
2-Fluorophenol
Concen: 97.461 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42



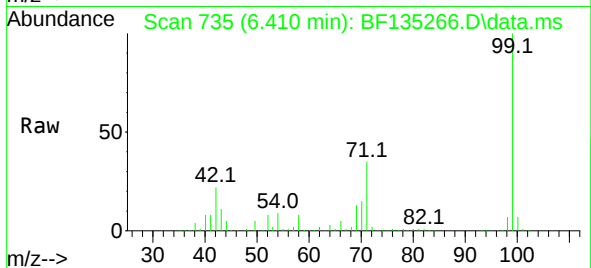
Tgt Ion:112 Resp: 726134
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 36.6 29.0 43.6





#7
Phenol-d6
Concen: 95.377 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

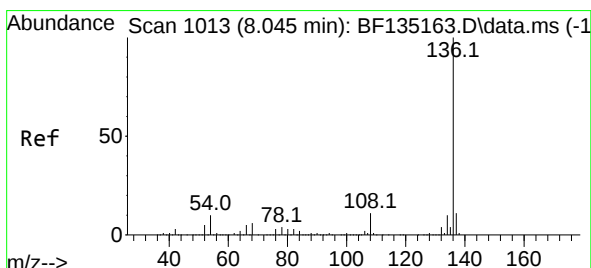
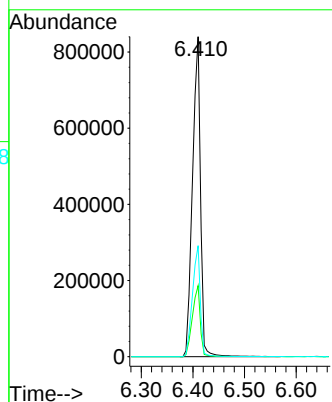
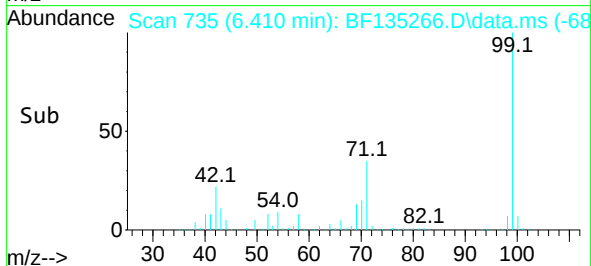
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion: 99 Resp: 903574
Ion Ratio Lower Upper
99 100
42 22.2 17.9 26.9
71 34.7 27.0 40.6

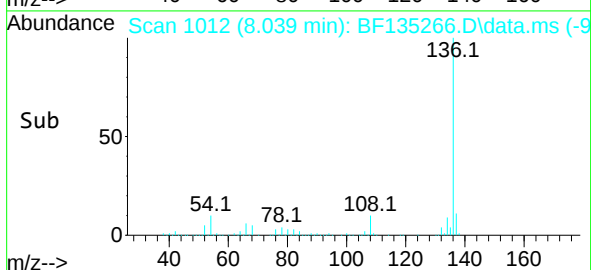
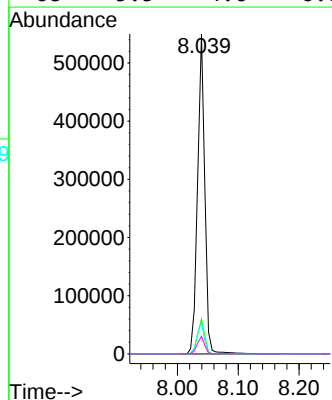
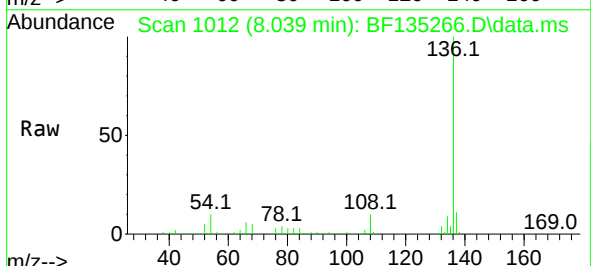
Manual Integrations
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Supervised By :mohammad ahmed 09/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Tgt Ion:136 Resp: 455602
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.7 7.7 11.5
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 67.571 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135266.D

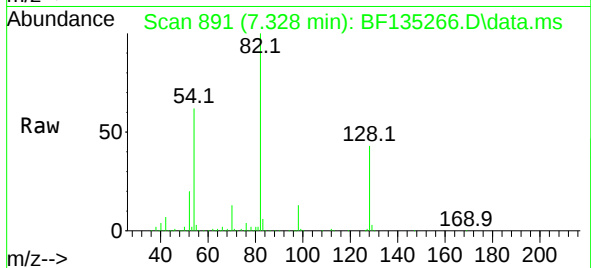
Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

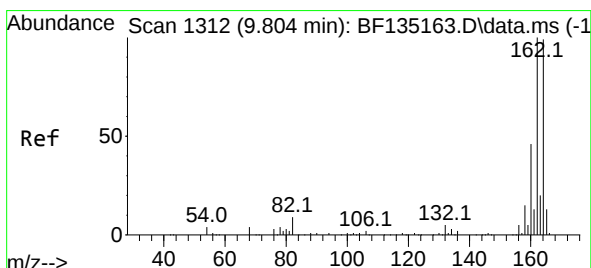
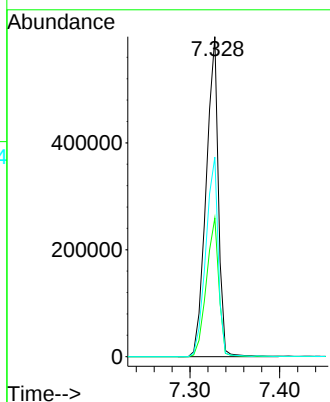
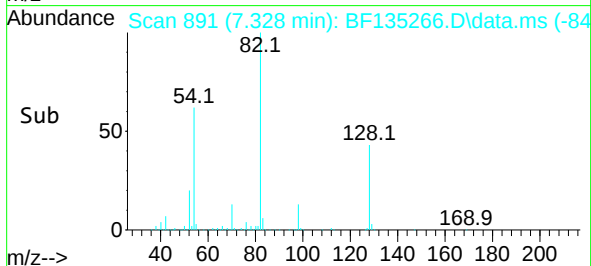
72-11985



Tgt Ion:	82	Resp:	56664
Ion Ratio	Lower	Upper	
82	100		
128	43.4	35.8	53.6
54	62.3	50.6	76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

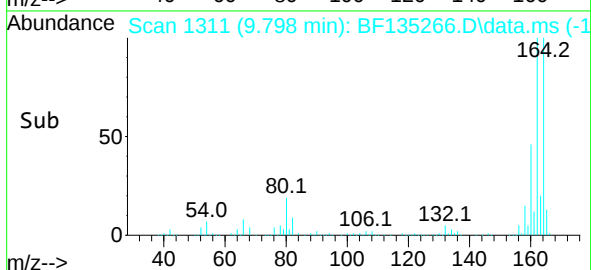
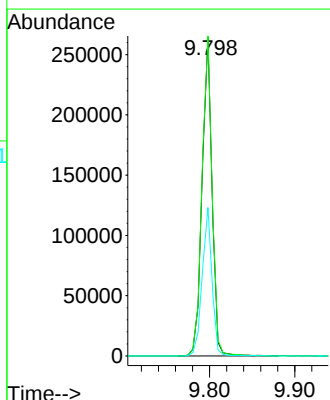
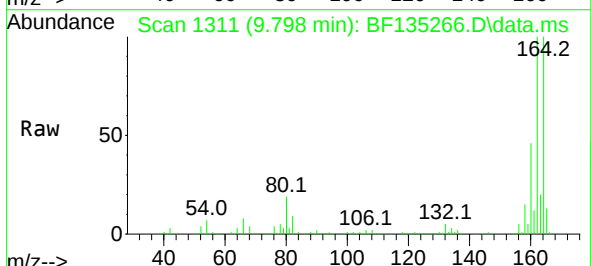
RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Tgt Ion:	164	Resp:	215424
Ion Ratio	Lower	Upper	
164	100		
162	100.3	81.0	121.4
160	46.5	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 81.665 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

Instrument :

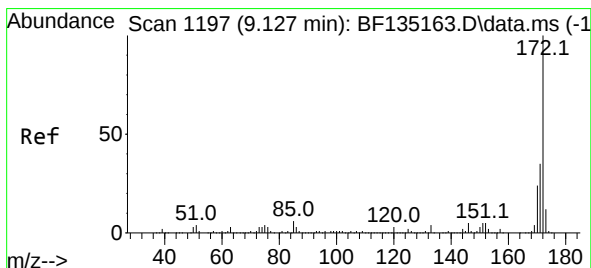
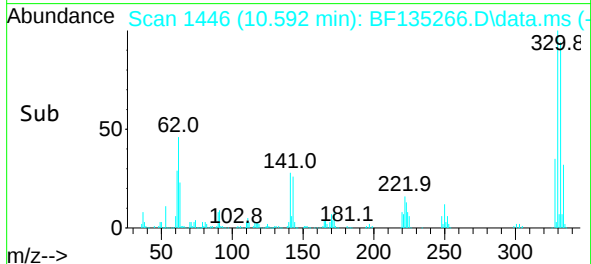
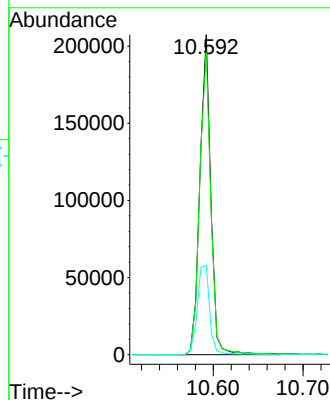
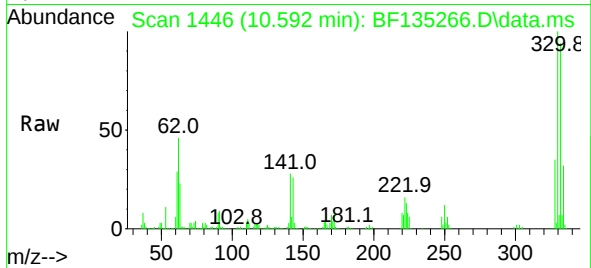
BNA_F

ClientSampleId :
72-11985

Tgt Ion:330 Resp: 17482
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 31.9 25.8 38.8

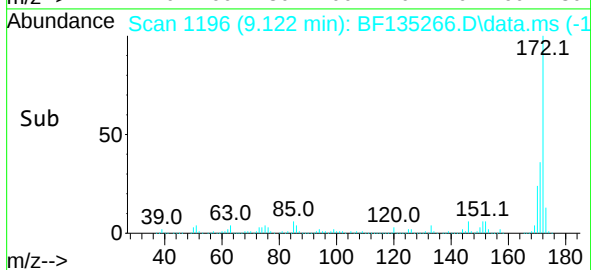
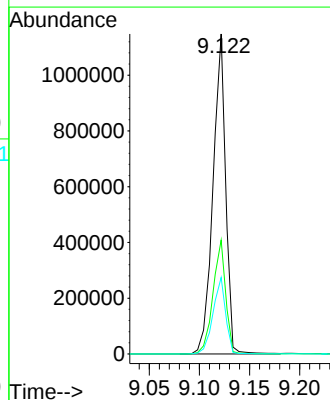
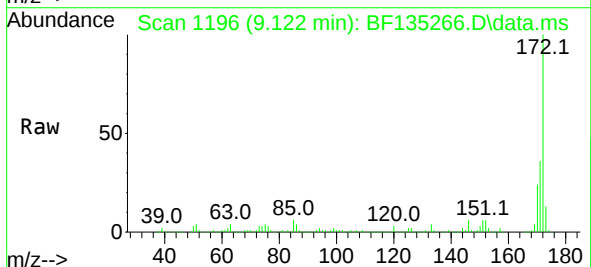
Manual Integrations
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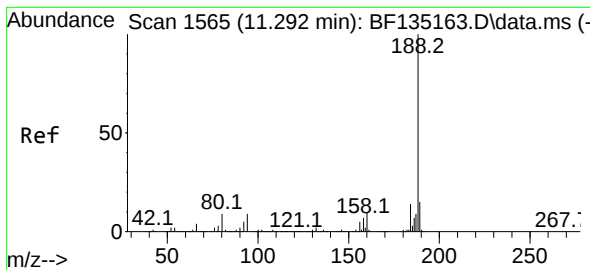
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#45
2-Fluorobiphenyl
Concen: 70.935 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

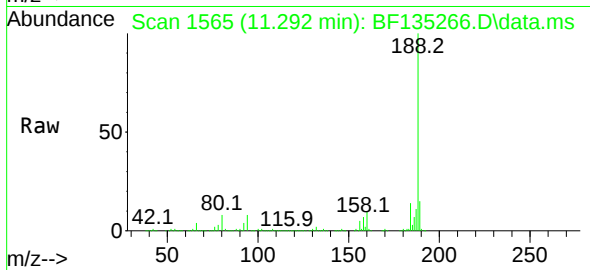
Tgt Ion:172 Resp: 1012847
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.9 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

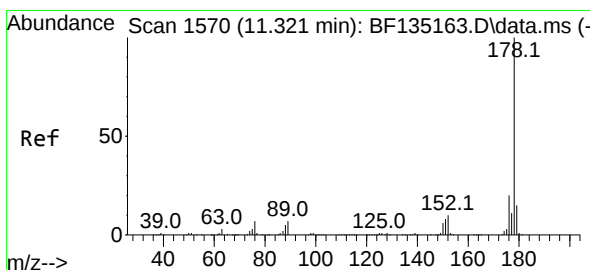
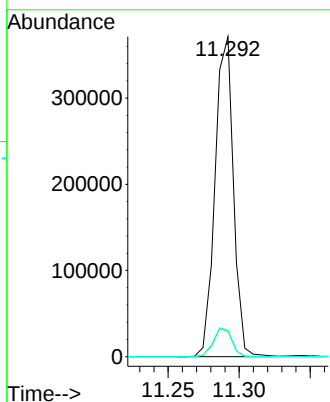
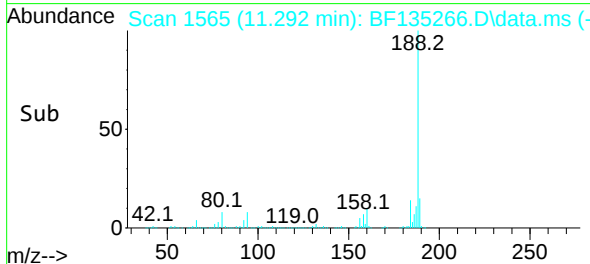
Instrument :
BNA_F
ClientSampleId :
72-11985



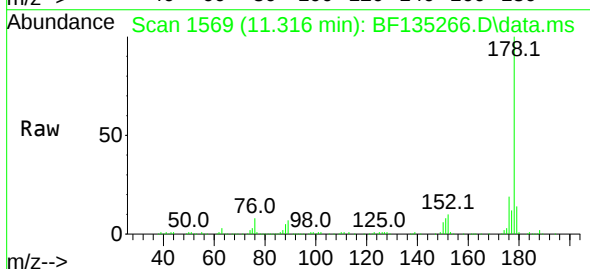
Tgt Ion:188 Resp: 334160
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 8.2 7.5 11.3

Manual Integrations
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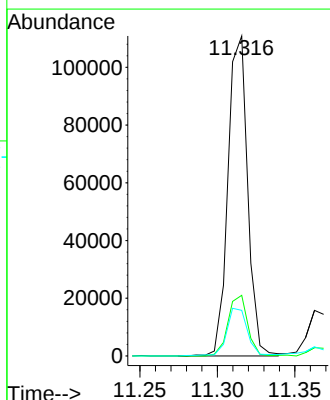
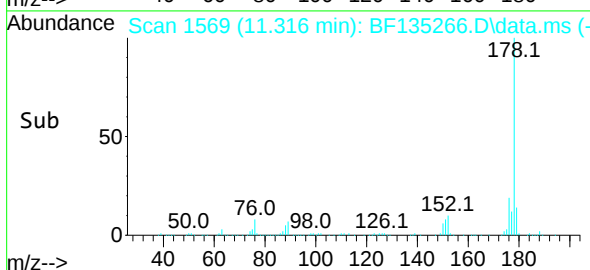
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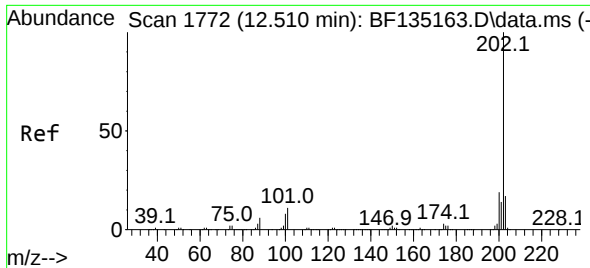


#71
Phenanthrene
Concen: 6.195 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42



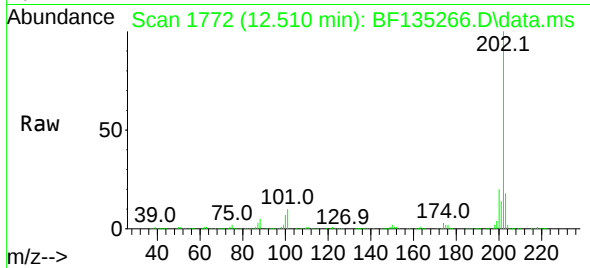
Tgt Ion:178 Resp: 97906
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 14.3 12.0 18.0





#75
Fluoranthene
Concen: 14.692 ng
RT: 12.510 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

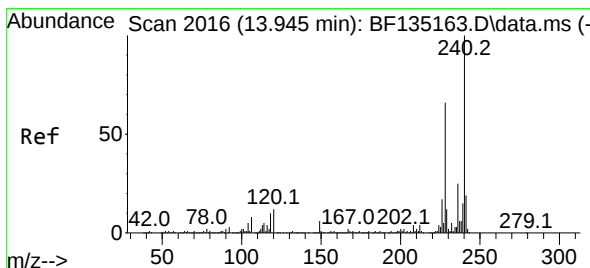
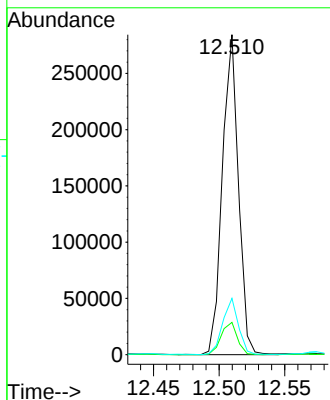
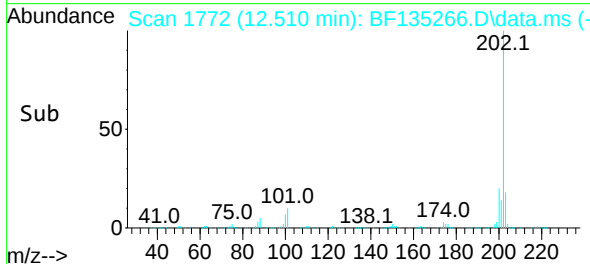
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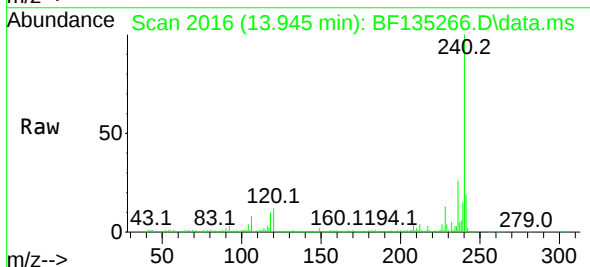
Tgt Ion:202 Resp: 24194
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 17.6 0.0 37.4

Manual Integrations
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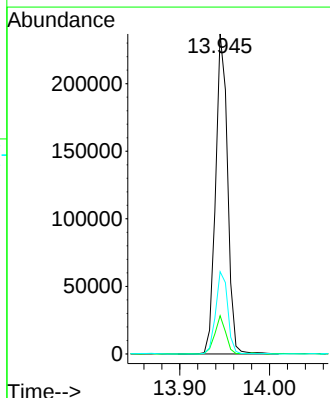
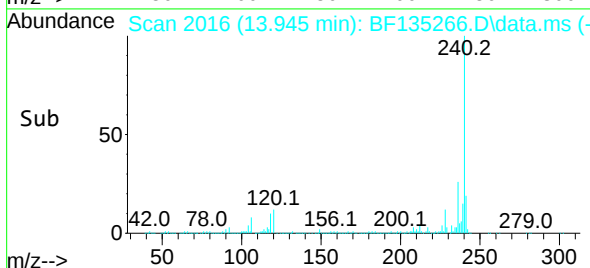
Reviewed By :Yogesh Patel 09/15/2023
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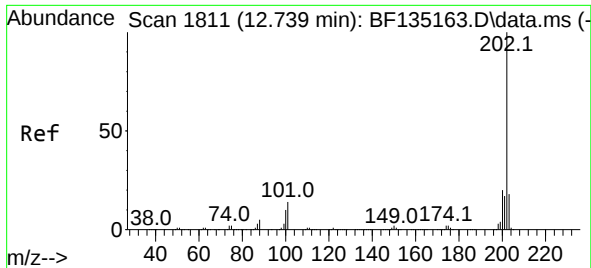


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42



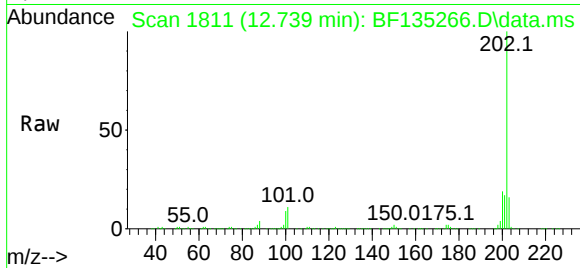
Tgt Ion:240 Resp: 219608
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.7 19.8 29.8





#78
Pyrene
Concen: 9.938 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

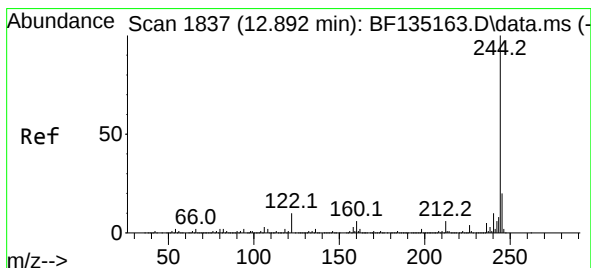
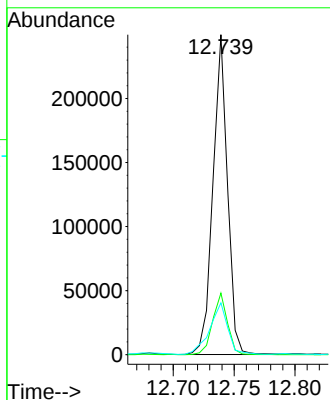
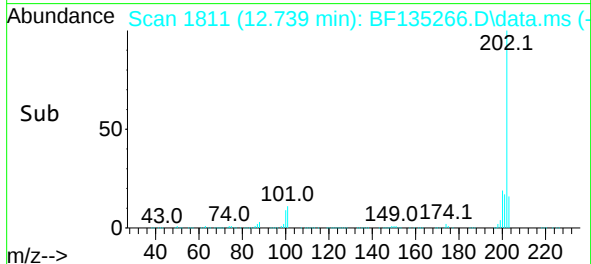
Instrument :
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72-11985



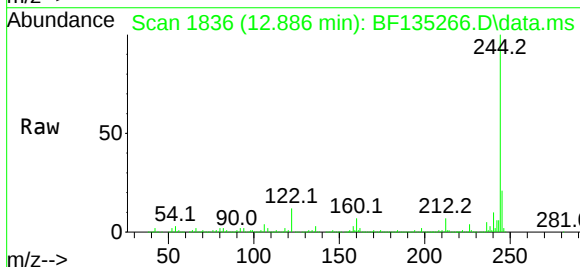
Tgt Ion:202 Resp: 207788
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 16.2 14.2 21.4

Manual Integrations
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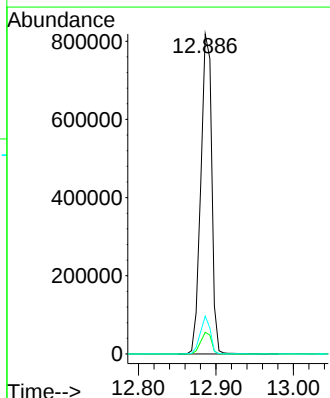
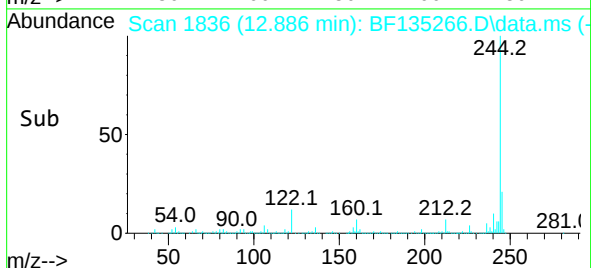
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

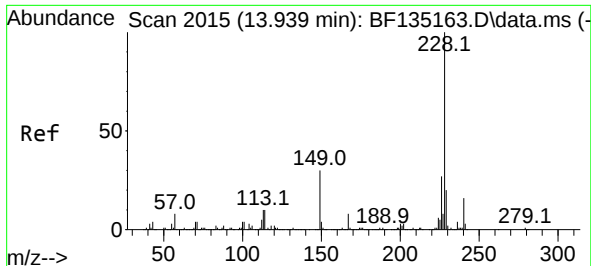


#79
Terphenyl-d14
Concen: 56.527 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42



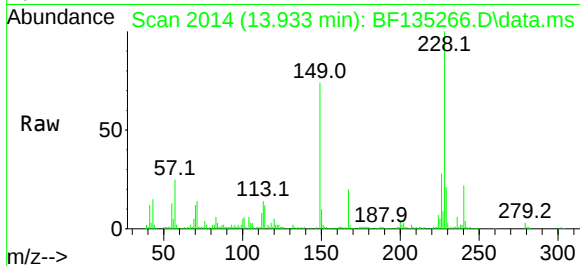
Tgt Ion:244 Resp: 800791
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 11.8 7.9 11.9





#81
Benzo(a)anthracene
Concen: 6.020 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

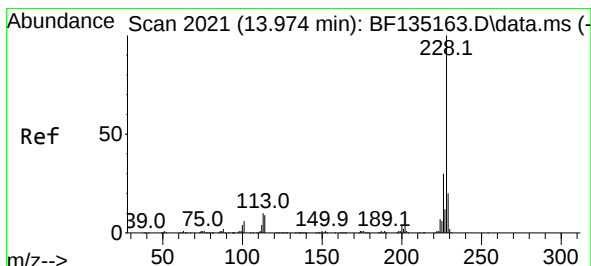
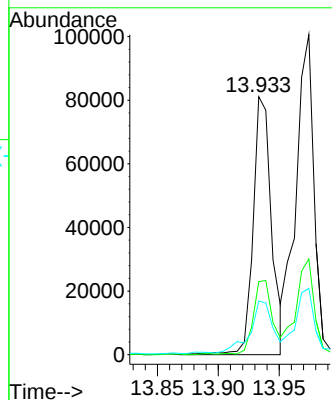
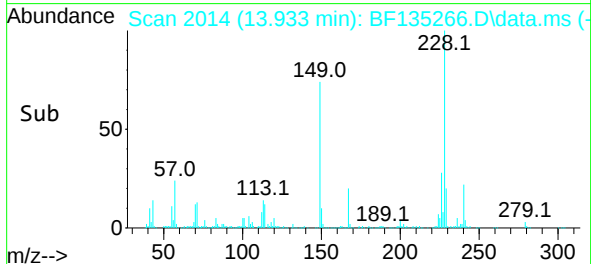
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion:228 Resp: 85374
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 20.8 15.8 23.8

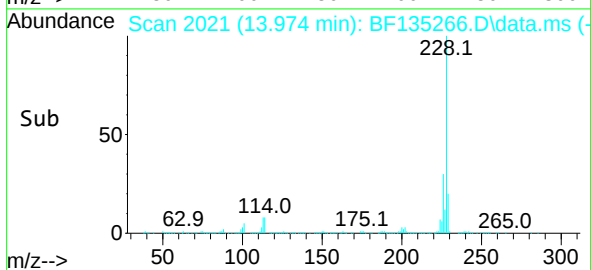
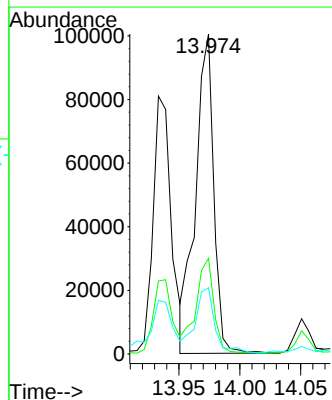
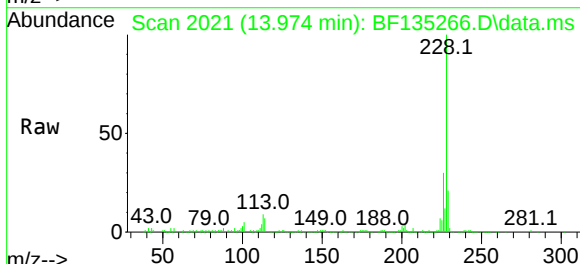
Manual Integrations
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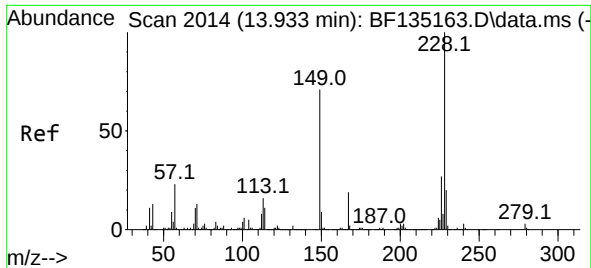
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#83
Chrysene
Concen: 7.434 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

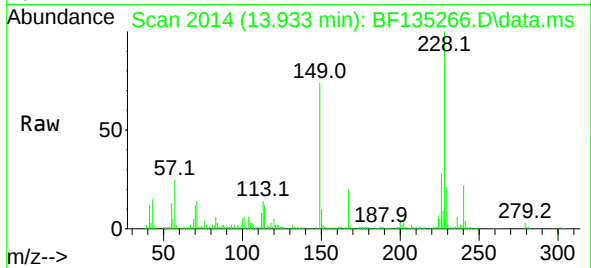
Tgt Ion:228 Resp: 104814
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 20.7 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.758 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

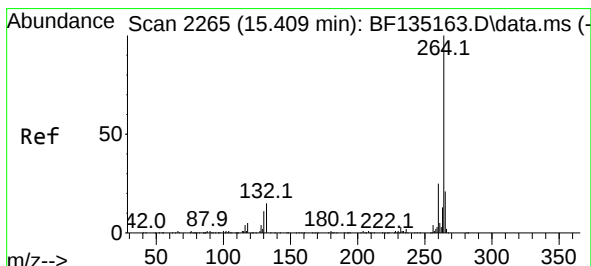
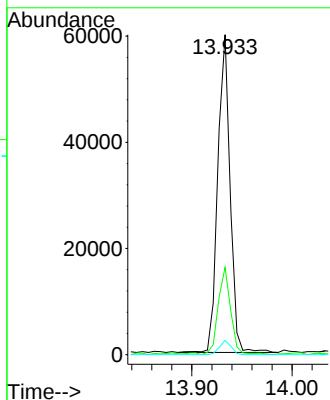
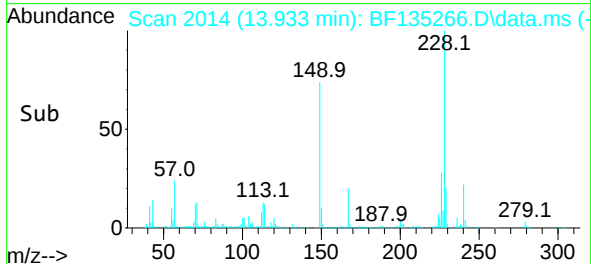
Instrument :
BNA_F
ClientSampleId :
72-11985



Tgt Ion:149 Resp: 51052
Ion Ratio Lower Upper
149 100
167 27.3 21.9 32.9
279 4.5 3.3 4.9

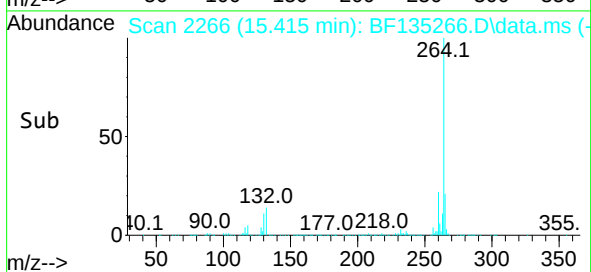
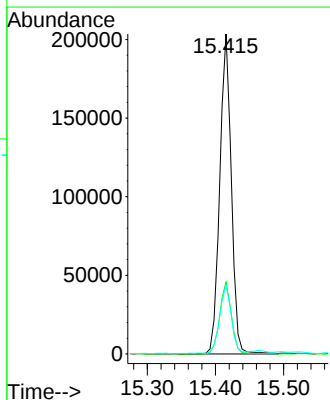
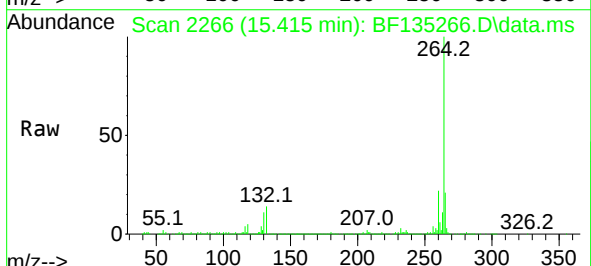
Manual Integrations
APPROVED

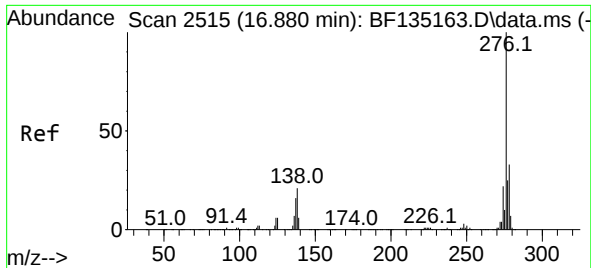
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF135266.D
Acq: 14 Sep 2023 21:42

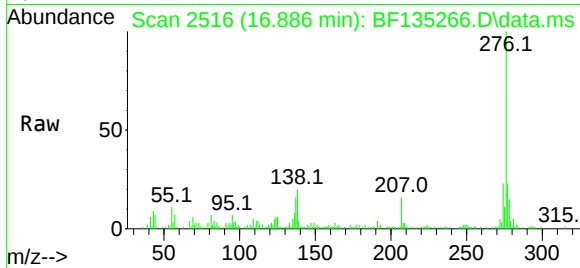
Tgt Ion:264 Resp: 239994
Ion Ratio Lower Upper
264 100
260 22.5 19.8 29.6
265 21.5 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.069 ng
 RT: 16.886 min Scan# 2515
 Delta R.T. 0.006 min
 Lab File: BF135266.D
 Acq: 14 Sep 2023 21:42

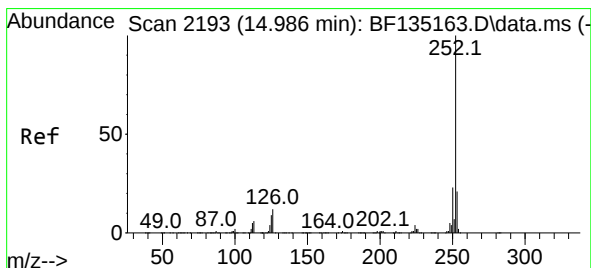
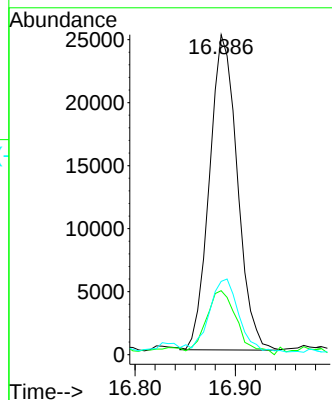
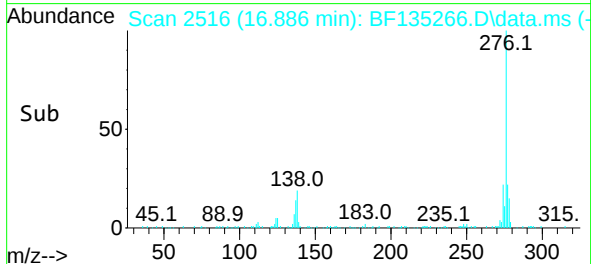
Instrument :
 BNA_F
 ClientSampleId :
 72-11985



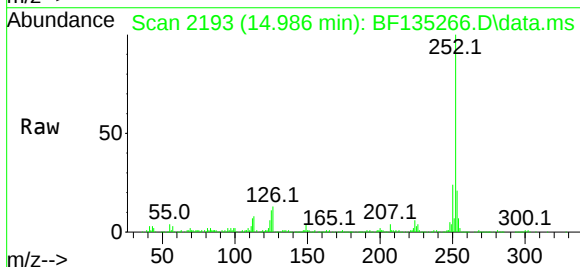
Tgt Ion:276 Resp: 48298
 Ion Ratio Lower Upper
 276 100
 138 22.6 19.2 28.8
 277 24.8 19.7 29.5

Manual Integrations
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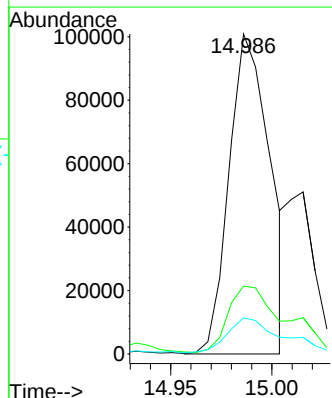
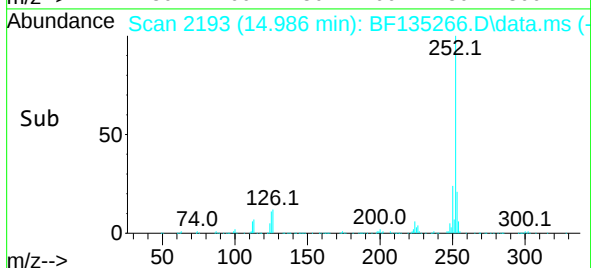
Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

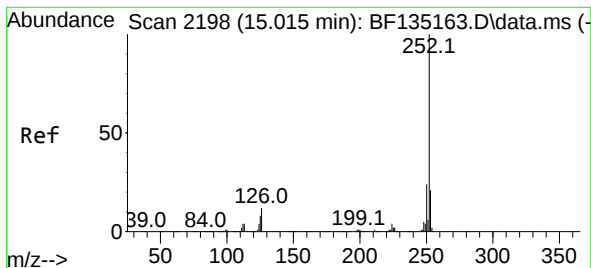


#88
 Benzo(b)fluoranthene
 Concen: 10.853 ng m
 RT: 14.986 min Scan# 2193
 Delta R.T. 0.000 min
 Lab File: BF135266.D
 Acq: 14 Sep 2023 21:42



Tgt Ion:252 Resp: 141005
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.2 25.8
 125 11.3 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.698 ng m

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

Instrument :

BNA_F

ClientSampleId :

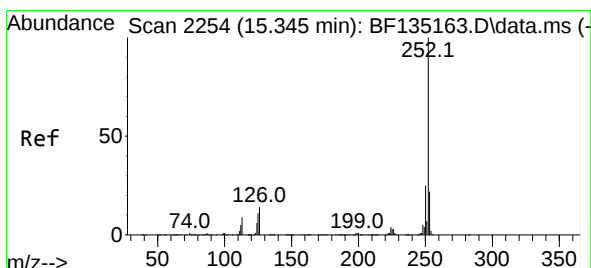
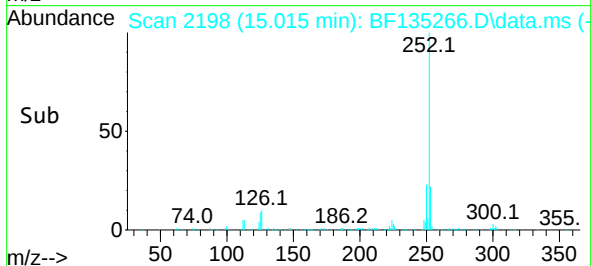
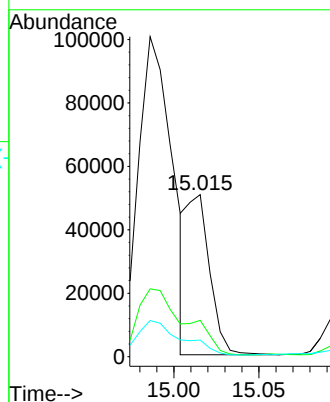
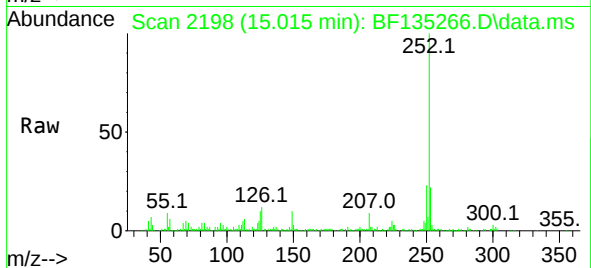
72-11985

Tgt Ion:252 Resp: 47452
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 10.3 7.2 10.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023



#90

Benzo(a)pyrene

Concen: 6.597 ng

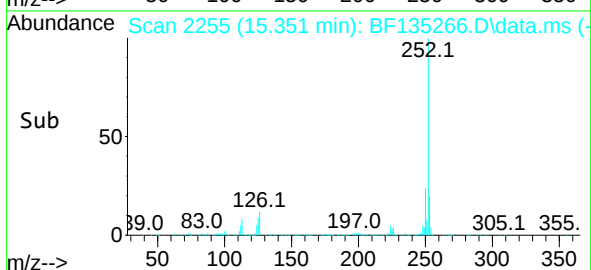
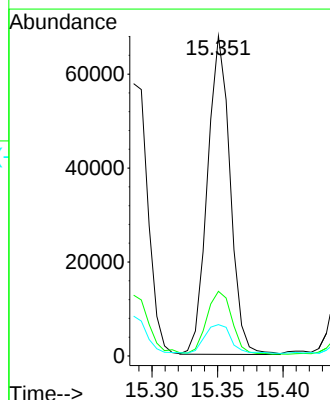
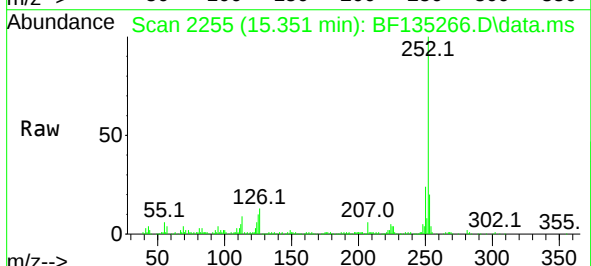
RT: 15.351 min Scan# 2255

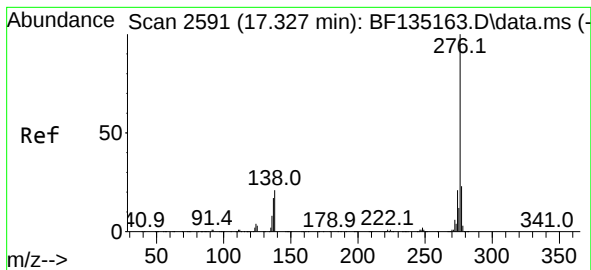
Delta R.T. 0.006 min

Lab File: BF135266.D

Acq: 14 Sep 2023 21:42

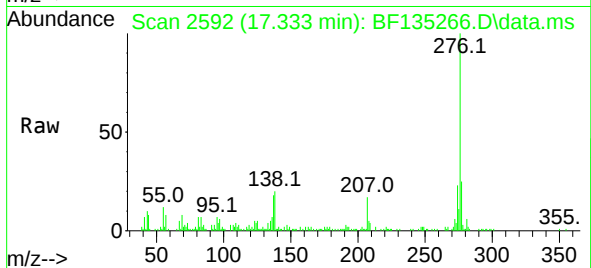
Tgt Ion:252 Resp: 81733
 Ion Ratio Lower Upper
 252 100
 253 20.2 17.5 26.3
 125 9.8 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.546 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135266.D
 Acq: 14 Sep 2023 21:42

Instrument :
 BNA_F
 ClientSampleId :
 72-11985



Tgt Ion: 276 Resp: 4767

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	19.7	16.9	25.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

