

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135885.D
 Acq On : 19 Oct 2023 14:33
 Operator : CG\JU
 Sample : 04890-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 362

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 14:56:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	68897	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	260593	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	132057	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	257756	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	172965	20.000	ng	-0.01
86) Perylene-d12	15.415	264	178660	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	430684	100.503	ng	0.00
7) Phenol-d6	6.393	99	510825	95.537	ng	0.00
23) Nitrobenzene-d5	7.304	82	314189	66.311	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	128995	101.796	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	541173	64.073	ng	-0.01
79) Terphenyl-d14	12.869	244	557235	59.662	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.804	154	37720	5.216	ng	97
55) Dibenzofuran	9.981	168	48942	4.485	ng	97
58) Fluorene	10.328	166	54295	6.356	ng	97
71) Phenanthrene	11.292	178	209227	16.945	ng	98
72) Anthracene	11.351	178	56539	4.419	ng	99
73) Carbazole	11.516	167	35544	2.979	ng	98
75) Fluoranthene	12.492	202	139616	10.188	ng	97
78) Pyrene	12.727	202	93861	6.829	ng	98
81) Benzo(a)anthracene	13.927	228	27353	2.408	ng	98
88) Benzo(b)fluoranthene	14.986	252	24440m	2.444	ng	

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

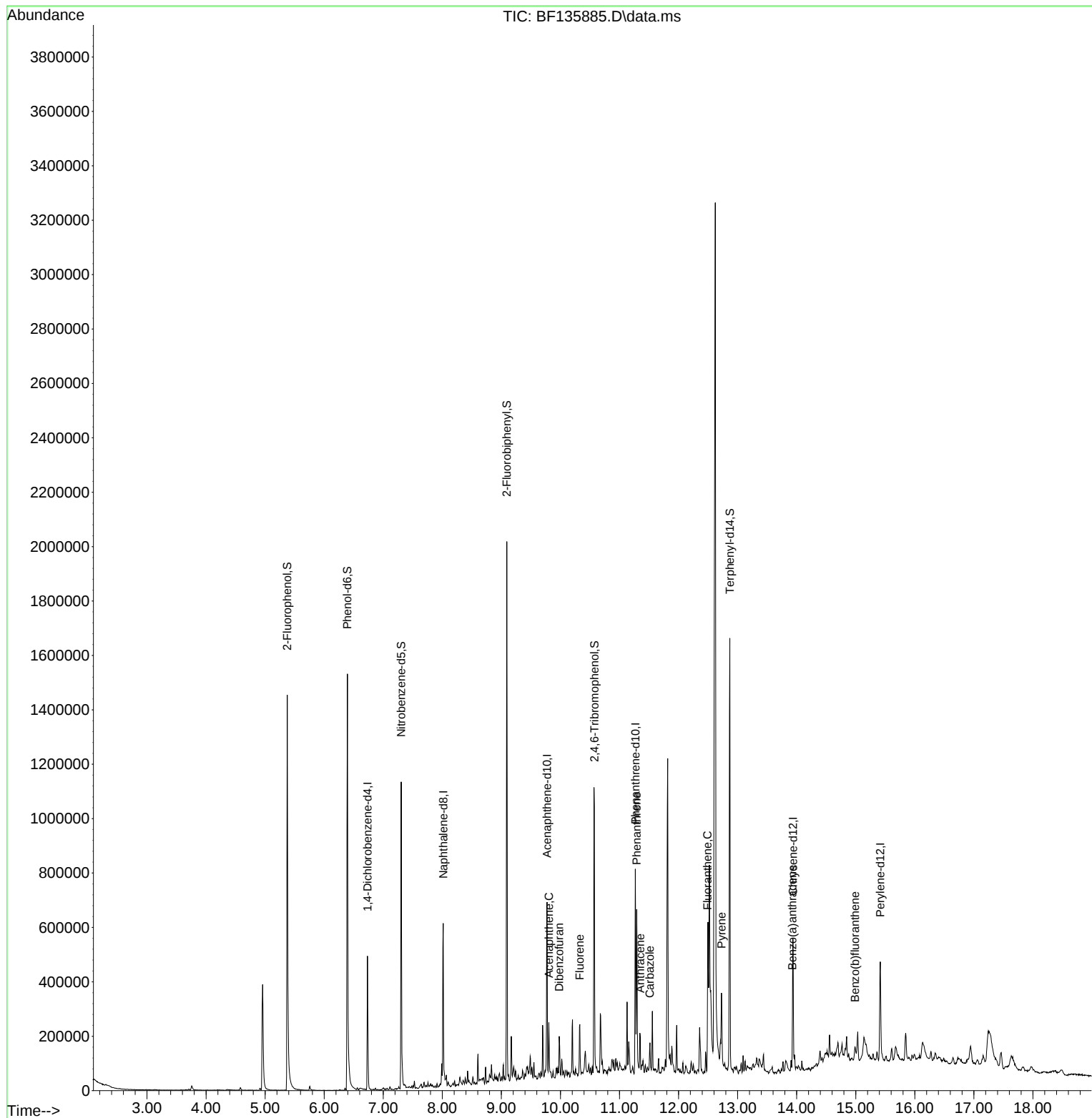
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135885.D
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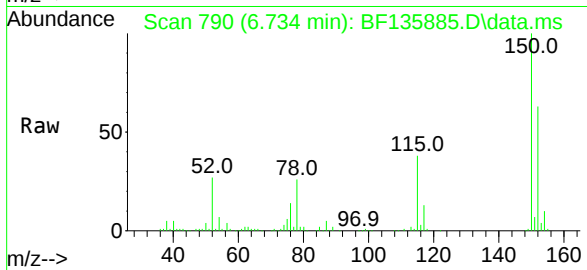
Quant Time: Oct 19 14:56:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

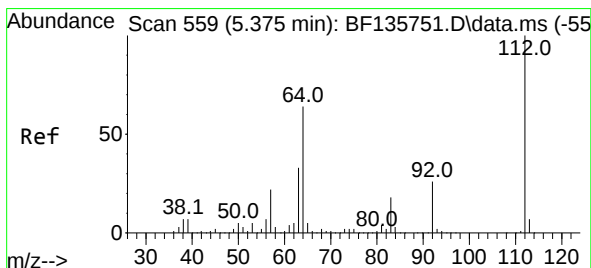
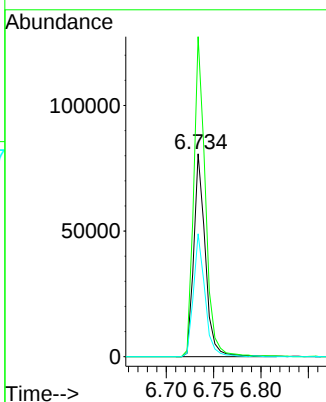
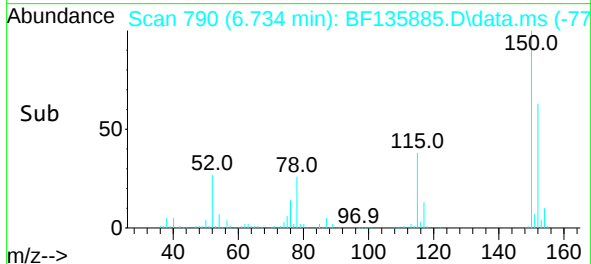
Instrument :
BNA_F
ClientSampleId :
362



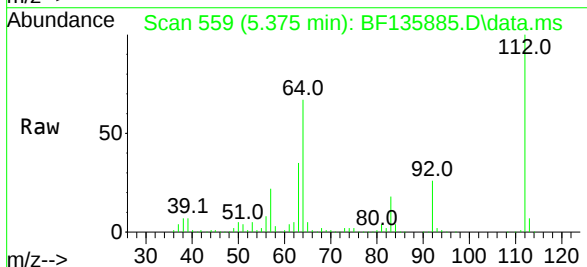
Tgt Ion:152 Resp: 6889
Ion Ratio Lower Upper
152 100
150 157.8 124.5 186.7
115 60.6 49.0 73.4

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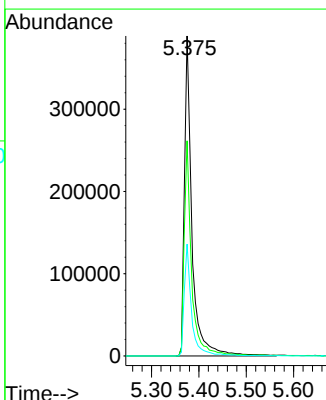
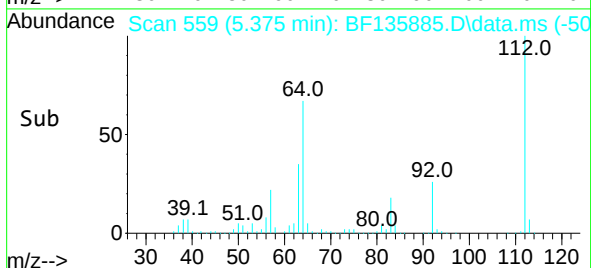
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

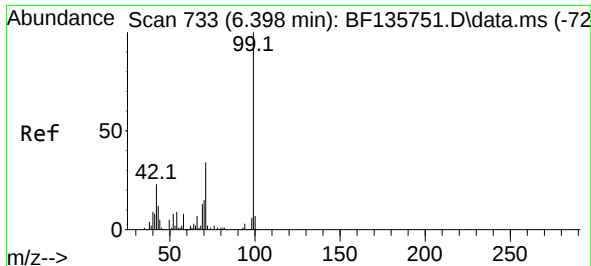


#5
2-Fluorophenol
Concen: 100.503 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33



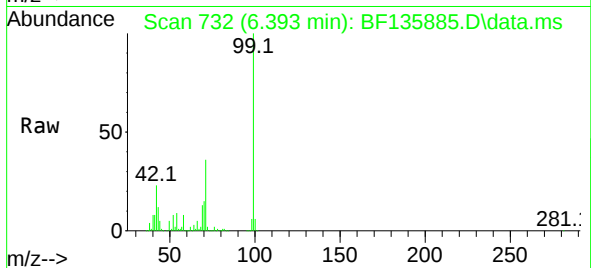
Tgt Ion:112 Resp: 430684
Ion Ratio Lower Upper
112 100
64 67.3 51.2 76.8
63 35.0 26.1 39.1





#7
Phenol-d6
Concen: 95.537 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

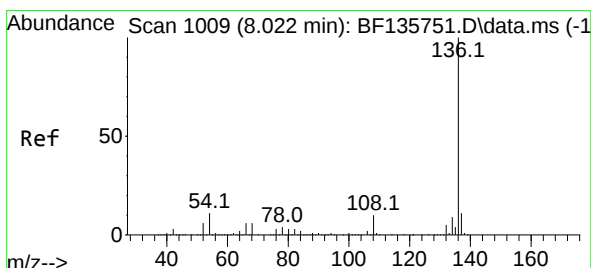
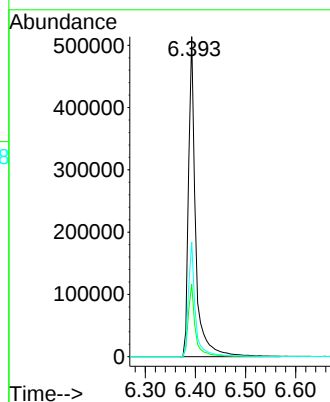
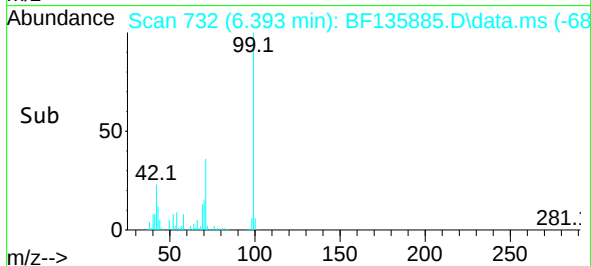
Instrument :
BNA_F
ClientSampleId :
362



Tgt Ion: 99 Resp: 51082
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 35.8 27.2 40.8

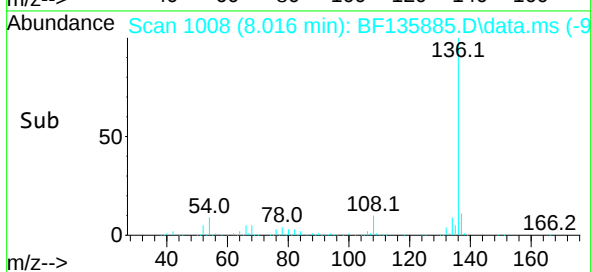
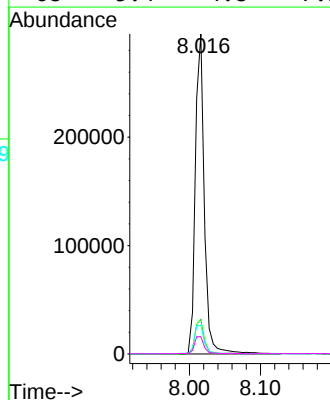
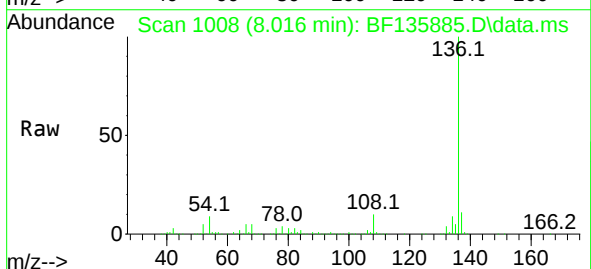
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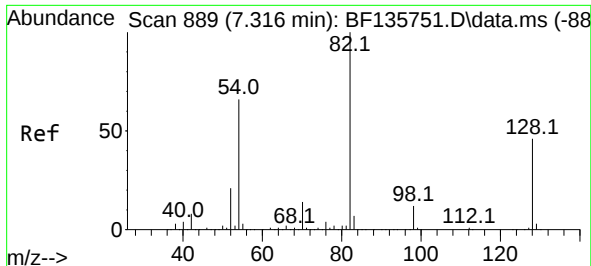
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion:136 Resp: 260593
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.0 8.5 12.7
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 66.311 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

Tgt Ion: 82 Resp: 314189

Ion Ratio Lower Upper

82 100

128 42.9 37.0 55.6

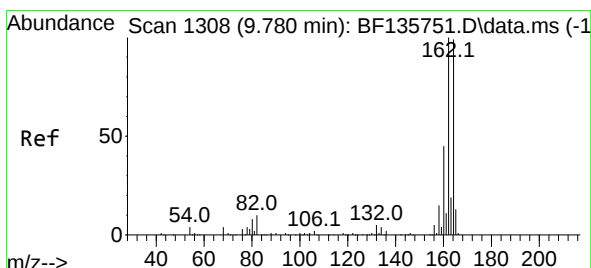
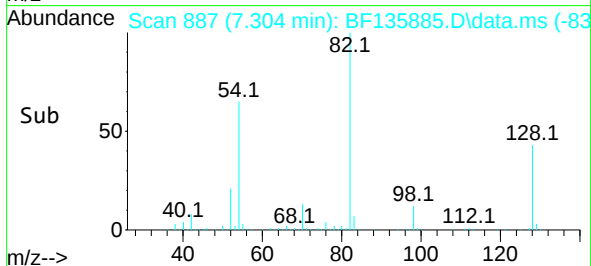
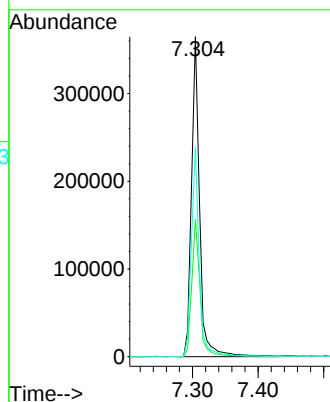
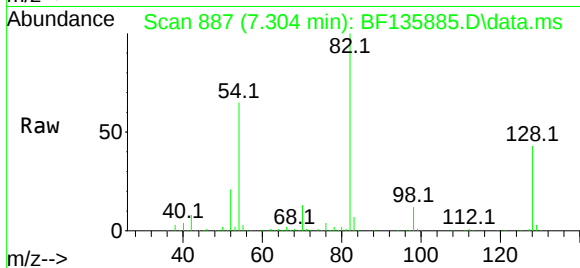
54 65.3 52.8 79.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

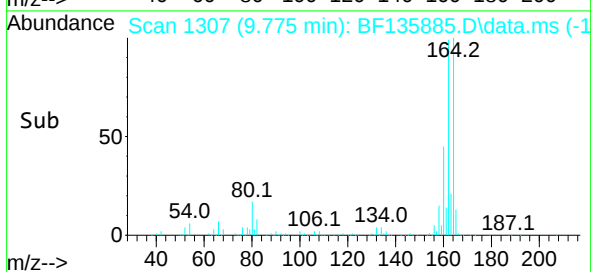
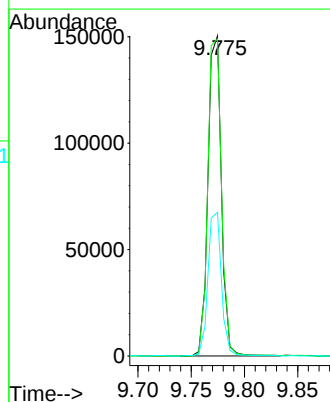
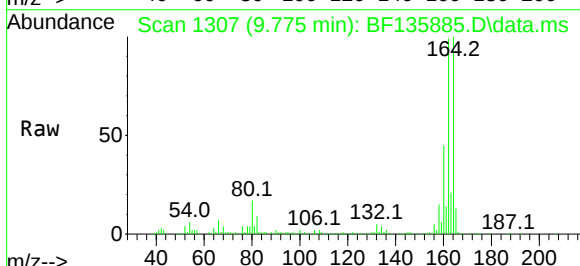
Tgt Ion:164 Resp: 132057

Ion Ratio Lower Upper

164 100

162 99.1 80.8 121.2

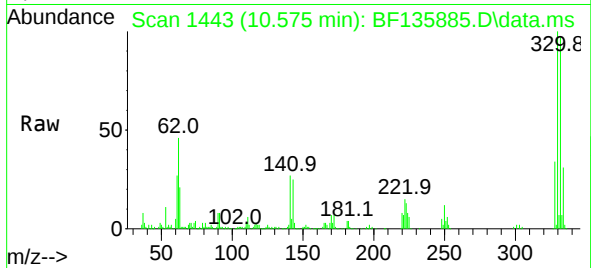
160 44.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 101.796 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

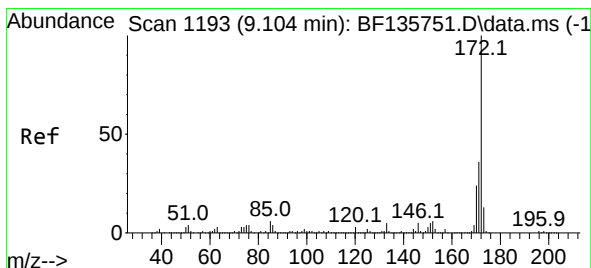
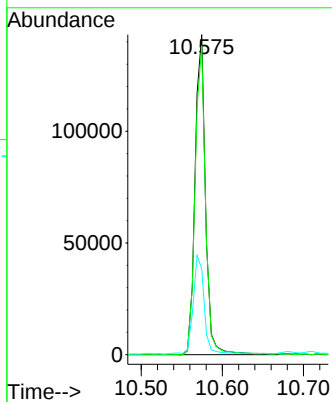
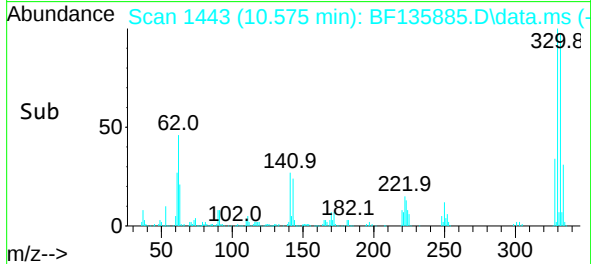
Instrument :
BNA_F
ClientSampleId :
362



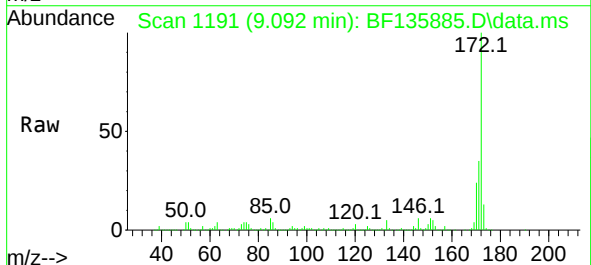
Tgt Ion:330 Resp: 128995
Ion Ratio Lower Upper
330 100
332 96.9 75.0 112.4
141 32.7 25.8 38.6

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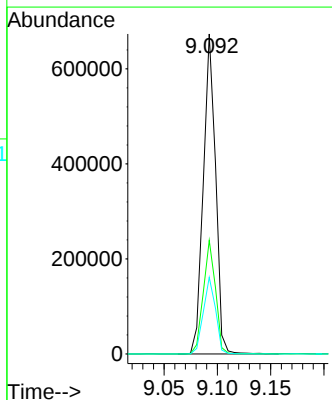
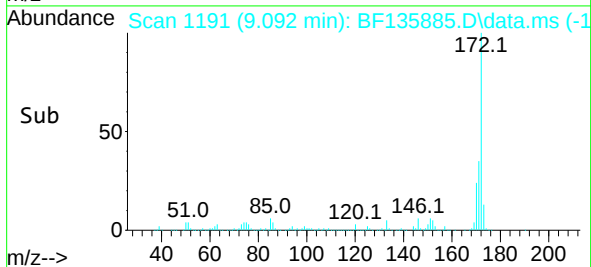
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

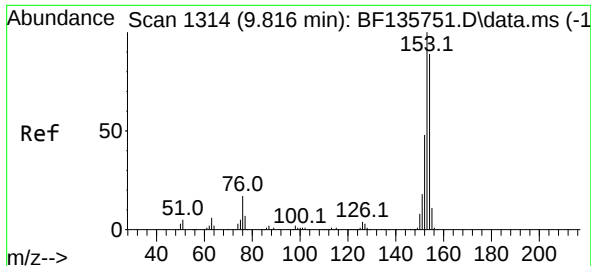


#45
2-Fluorobiphenyl
Concen: 64.073 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33



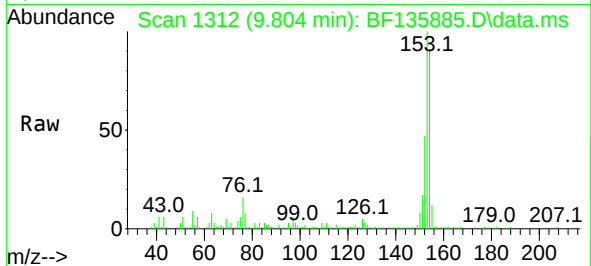
Tgt Ion:172 Resp: 541173
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.9 18.8 28.2





#52
Acenaphthene
Concen: 5.216 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

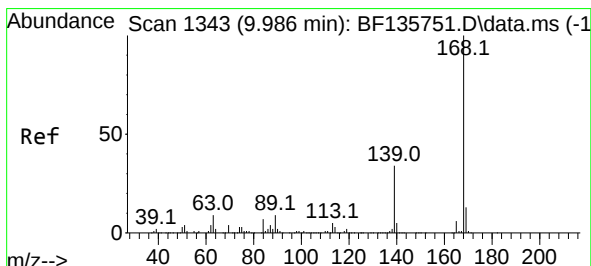
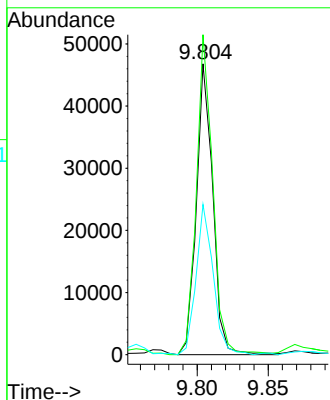
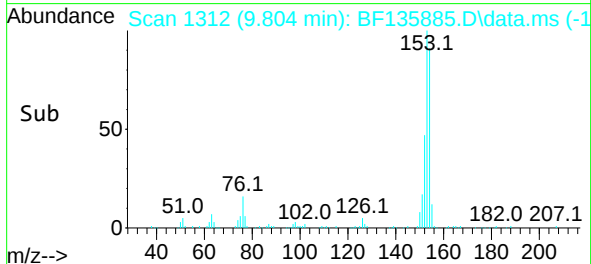
Instrument :
BNA_F
ClientSampleId :
362



Tgt Ion:154 Resp: 37720
Ion Ratio Lower Upper
154 100
153 110.0 90.1 135.1
152 51.7 43.1 64.7

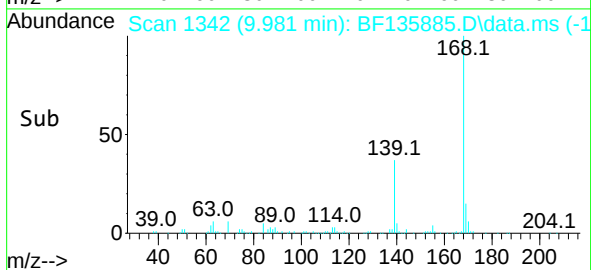
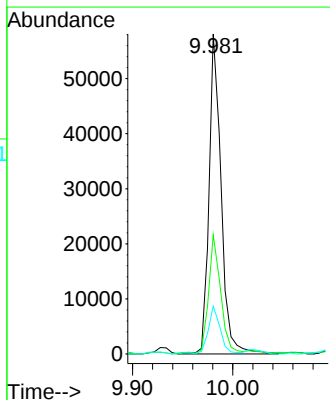
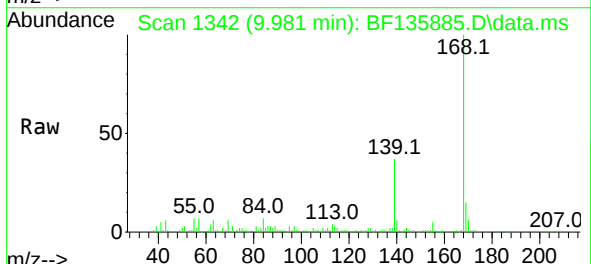
Manual Integrations
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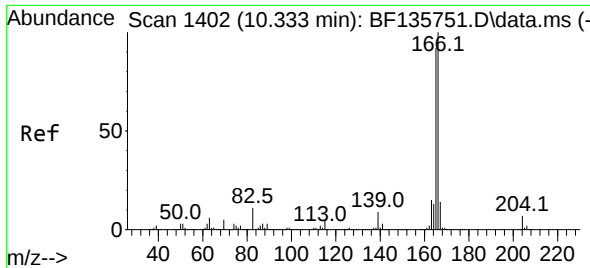
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#55
Dibenzofuran
Concen: 4.485 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

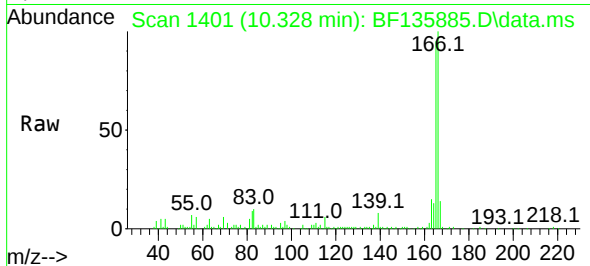
Tgt Ion:168 Resp: 48942
Ion Ratio Lower Upper
168 100
139 37.3 31.0 46.4
169 14.9 10.7 16.1





#58
Fluorene
Concen: 6.356 ng
RT: 10.328 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

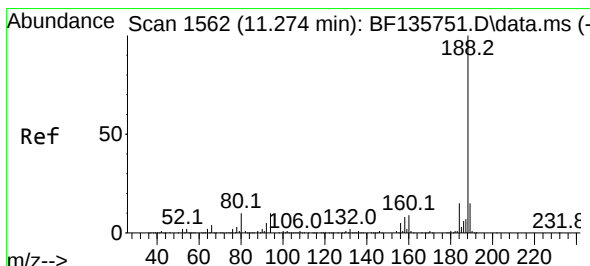
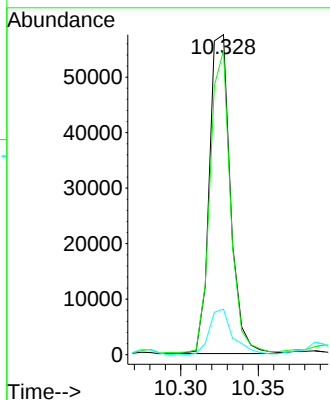
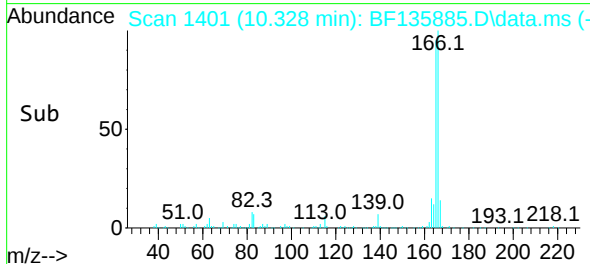
Instrument :
BNA_F
ClientSampleId :
362



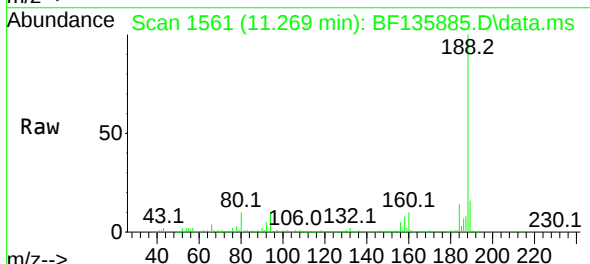
Tgt Ion:166 Resp: 5429
Ion Ratio Lower Upper
166 100
165 95.0 73.4 110.0
167 14.3 11.0 16.6

Manual Integrations
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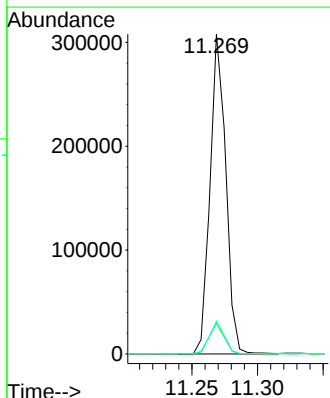
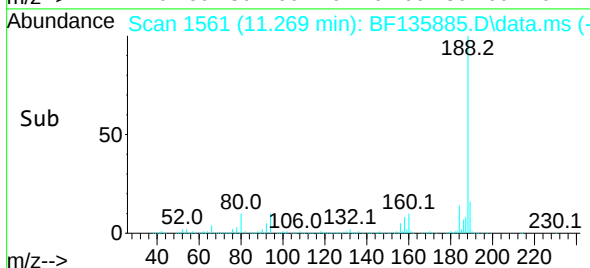
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

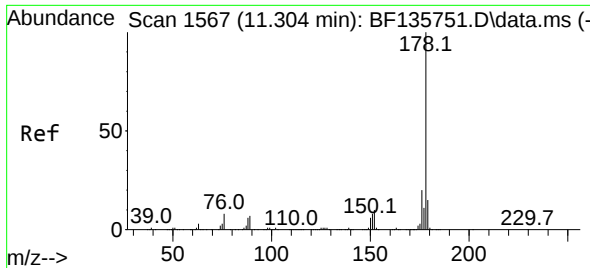


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33



Tgt Ion:188 Resp: 257756
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.3 8.3 12.5





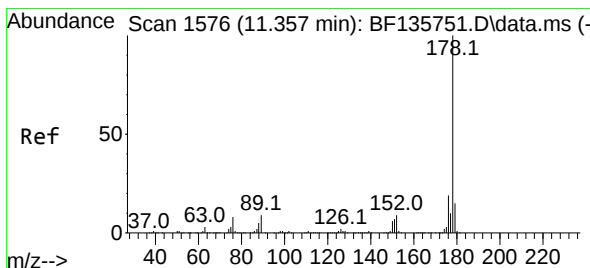
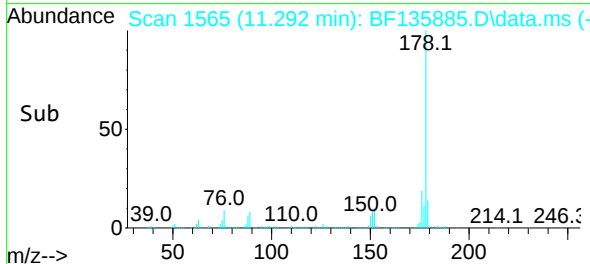
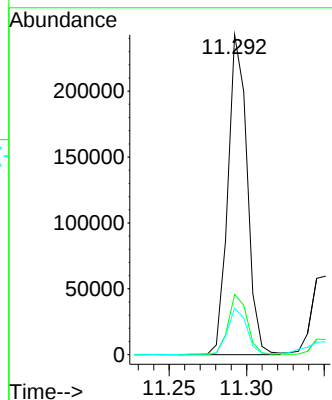
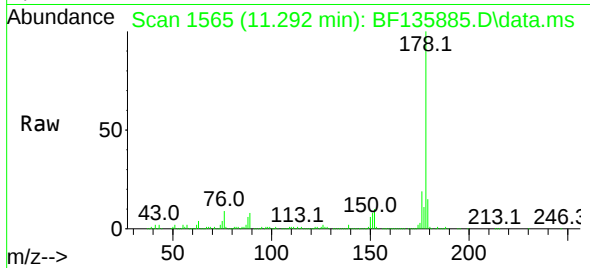
#71
Phenanthrene
Concen: 16.945 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Instrument :
BNA_F
ClientSampleId :
362

Tgt Ion:178 Resp: 20922
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 14.5 12.2 18.4

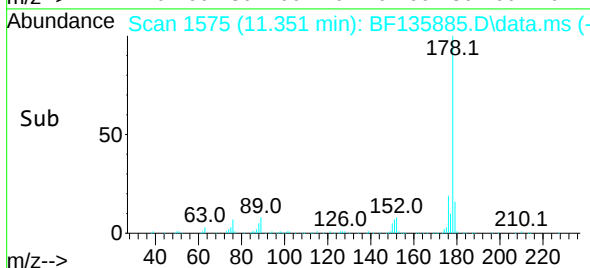
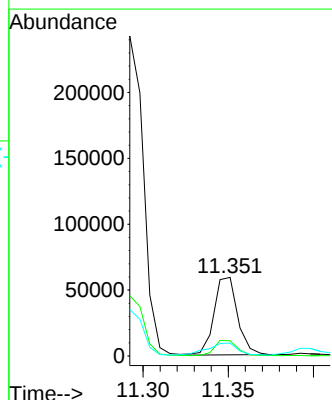
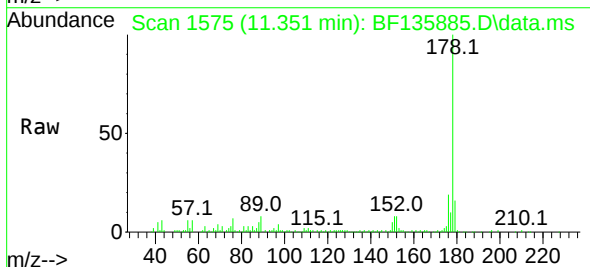
Manual Integrations
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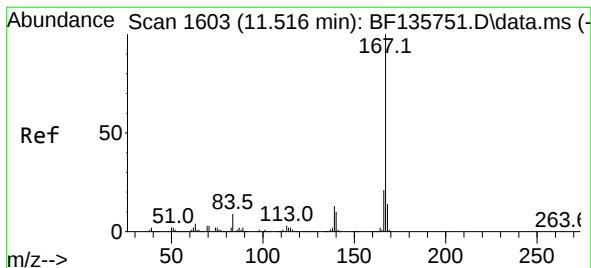
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



#72
Anthracene
Concen: 4.419 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion:178 Resp: 56539
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 16.3 12.3 18.5





#73

Carbazole

Concen: 2.979 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

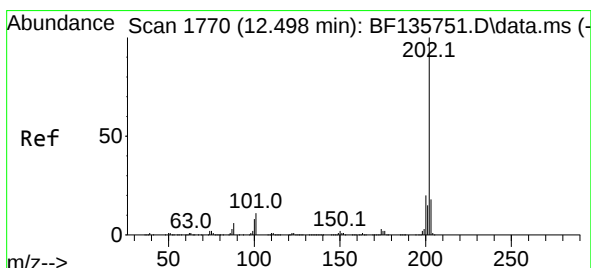
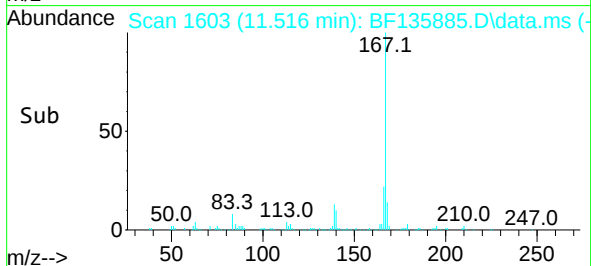
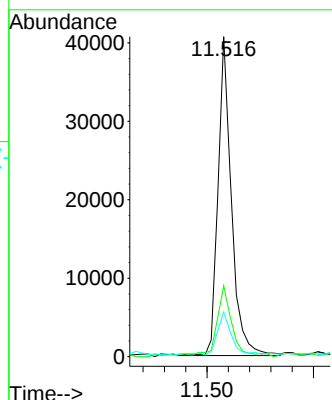
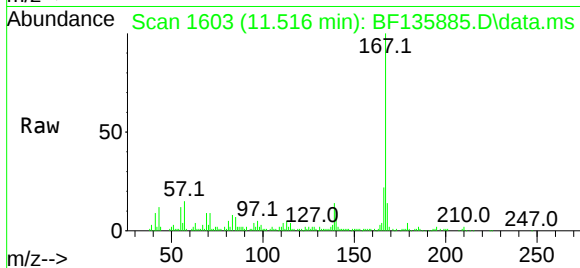
Tgt Ion:	167	Resp:	3554
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.1	25.7
139	13.9	10.2	15.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



#75

Fluoranthene

Concen: 10.188 ng

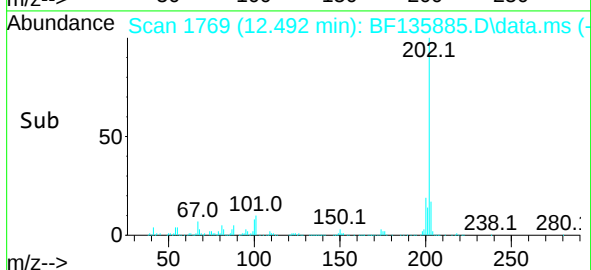
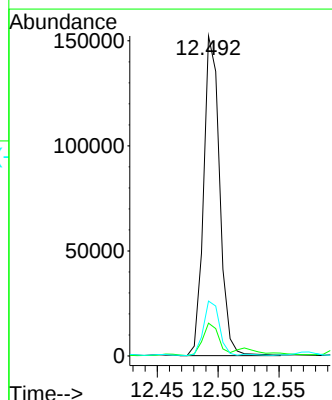
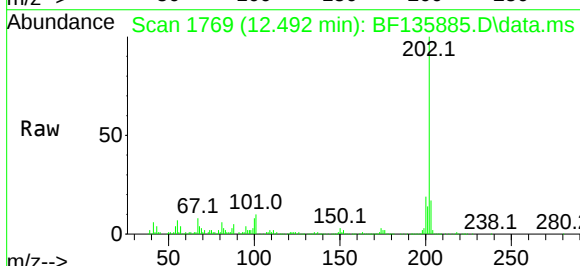
RT: 12.492 min Scan# 1769

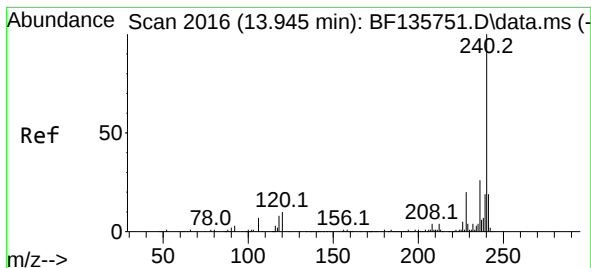
Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

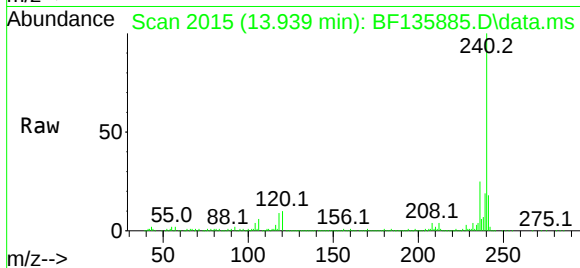
Tgt Ion:	202	Resp:	139616
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.5
203	17.2	0.0	38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

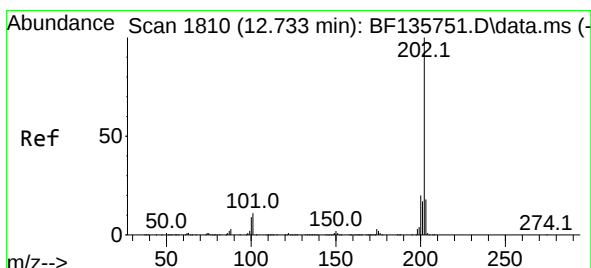
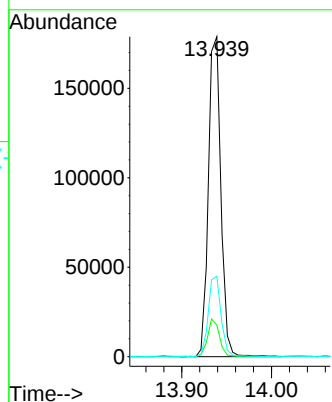
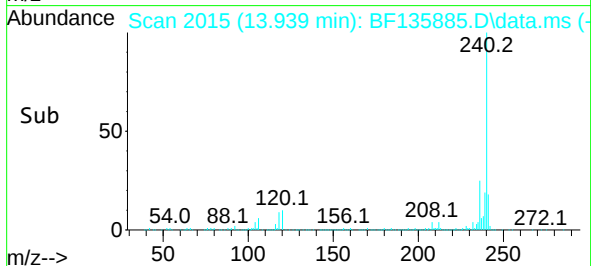
Instrument :
BNA_F
ClientSampleId :
362



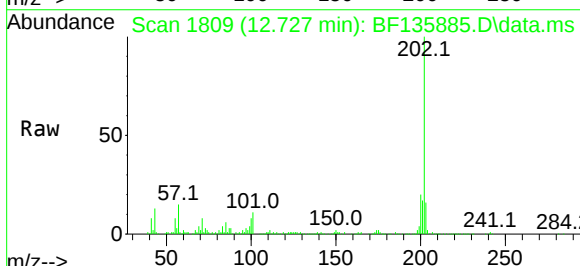
Tgt Ion:240 Resp: 17296
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 25.2 21.2 31.8

Manual Integrations
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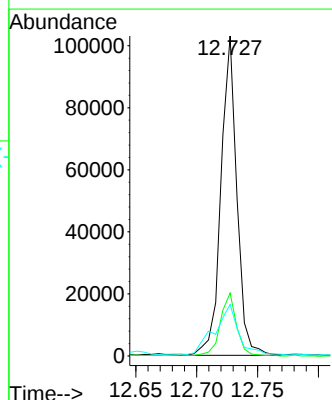
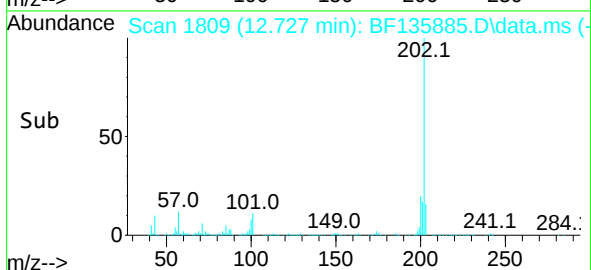
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

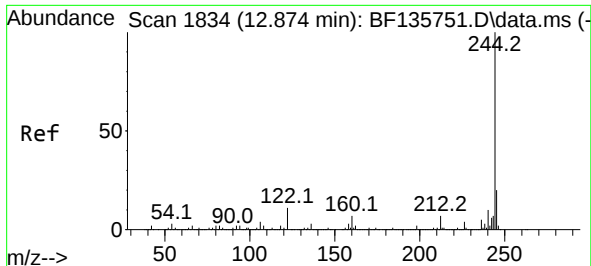


#78
Pyrene
Concen: 6.829 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33



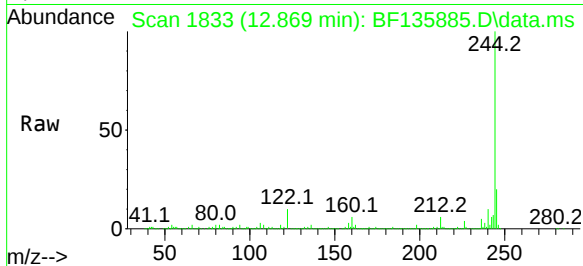
Tgt Ion:202 Resp: 93861
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 16.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 59.662 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135885.D
 Acq: 19 Oct 2023 14:33

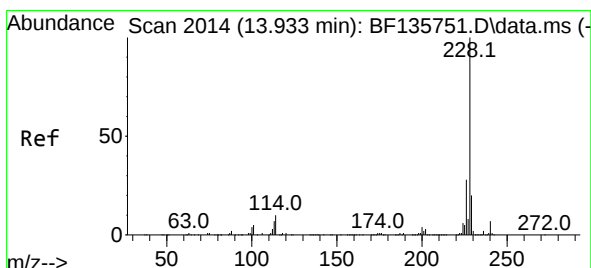
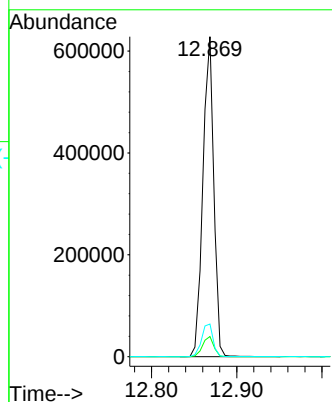
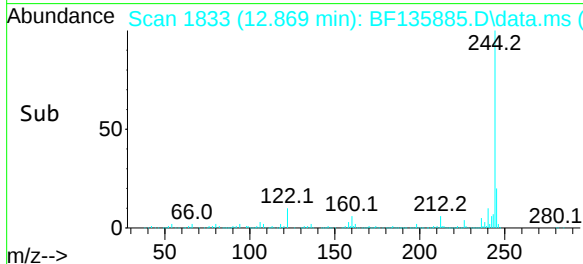
Instrument :
 BNA_F
 ClientSampleId :
 362



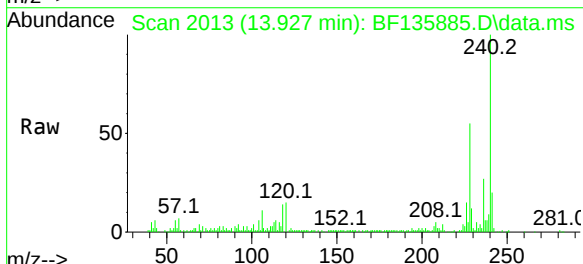
Tgt Ion:244 Resp: 557235
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.2 9.0 13.6

Manual Integrations
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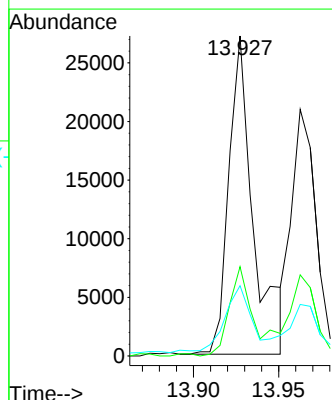
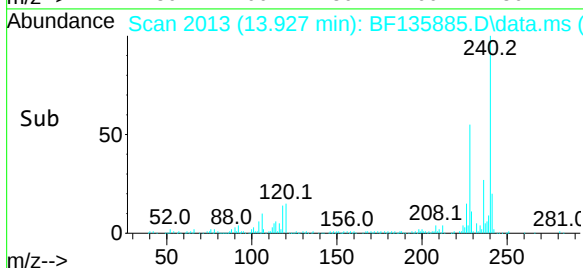
Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

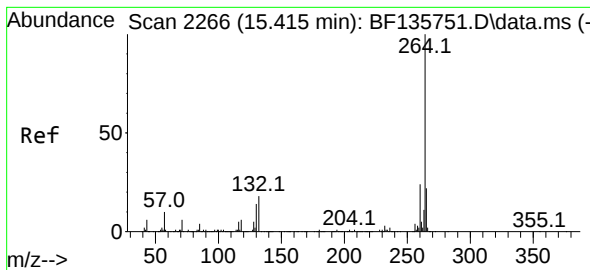


#81
 Benzo(a)anthracene
 Concen: 2.408 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135885.D
 Acq: 19 Oct 2023 14:33



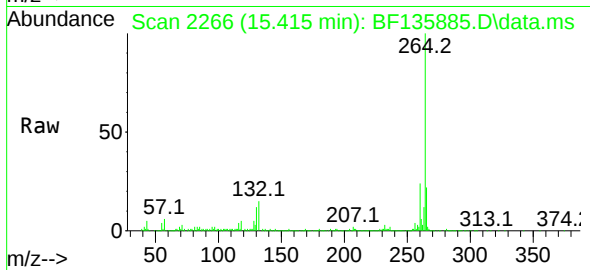
Tgt Ion:228 Resp: 27353
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.2 33.2
 229 21.9 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF135885.D
 Acq: 19 Oct 2023 14:33

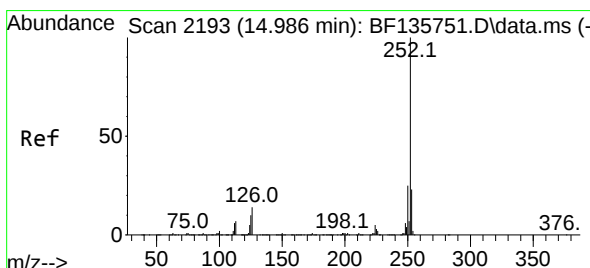
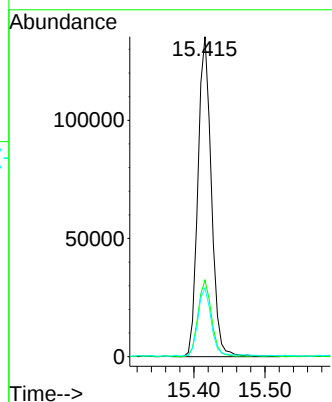
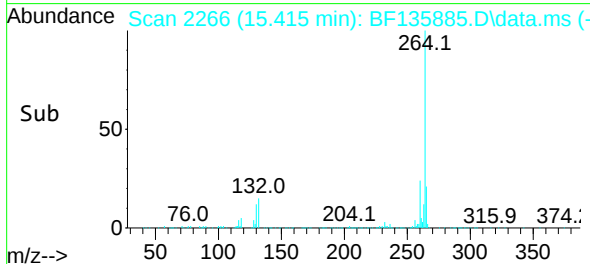
Instrument :
 BNA_F
 ClientSampleId :
 362



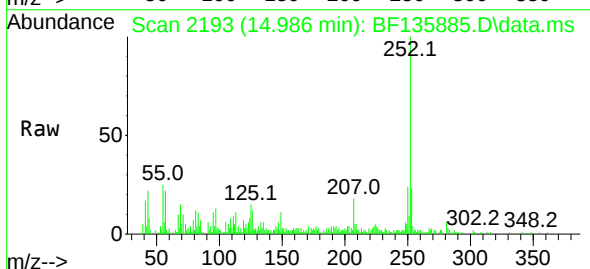
Tgt Ion:264 Resp: 178660
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.5 17.4 26.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023



#88
 Benzo(b)fluoranthene
 Concen: 2.444 ng m
 RT: 14.986 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF135885.D
 Acq: 19 Oct 2023 14:33



Tgt Ion:252 Resp: 24440
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.2 27.2
 125 14.6 8.2 12.2#

