

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138800.D
 Acq On : 05 Aug 2024 23:08
 Operator : RC/JU
 Sample : P3362-04RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978RE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 06 00:58:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	40552	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	142569	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	60671	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	100059	20.000	ng	0.00
76) Chrysene-d12	14.010	240	60181	20.000	ng	0.00
86) Perylene-d12	15.474	264	50676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	328802	125.162	ng	0.01
7) Phenol-d6	6.486	99	407685	115.588	ng	0.00
23) Nitrobenzene-d5	7.410	82	250501	85.905	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	64311	129.404	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	397661	98.479	ng	0.00
79) Terphenyl-d14	12.951	244	376618	104.777	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	8231	2.443	ng	98
70) Pentachlorophenol	11.186	266	1691	3.354	ng	# 86
71) Phenanthrene	11.392	178	81239	15.768	ng	99
72) Anthracene	11.439	178	24810	4.888	ng	98
75) Fluoranthene	12.580	202	260447	54.148	ng	98
78) Pyrene	12.810	202	226982	40.059	ng	98
81) Benzo(a)anthracene	13.998	228	77983	18.817	ng	96
83) Chrysene	14.033	228	63776	17.058	ng	96
84) Bis(2-ethylhexyl)phtha...	13.980	149	10900	4.102	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.951	276	21310	5.868	ng	# 85
88) Benzo(b)fluoranthene	15.051	252	72552m	23.095	ng	
89) Benzo(k)fluoranthene	15.062	252	29831m	10.968	ng	
90) Benzo(a)pyrene	15.415	252	39852	15.082	ng	97
92) Benzo(g,h,i)perylene	17.398	276	16933	5.474	ng	96

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

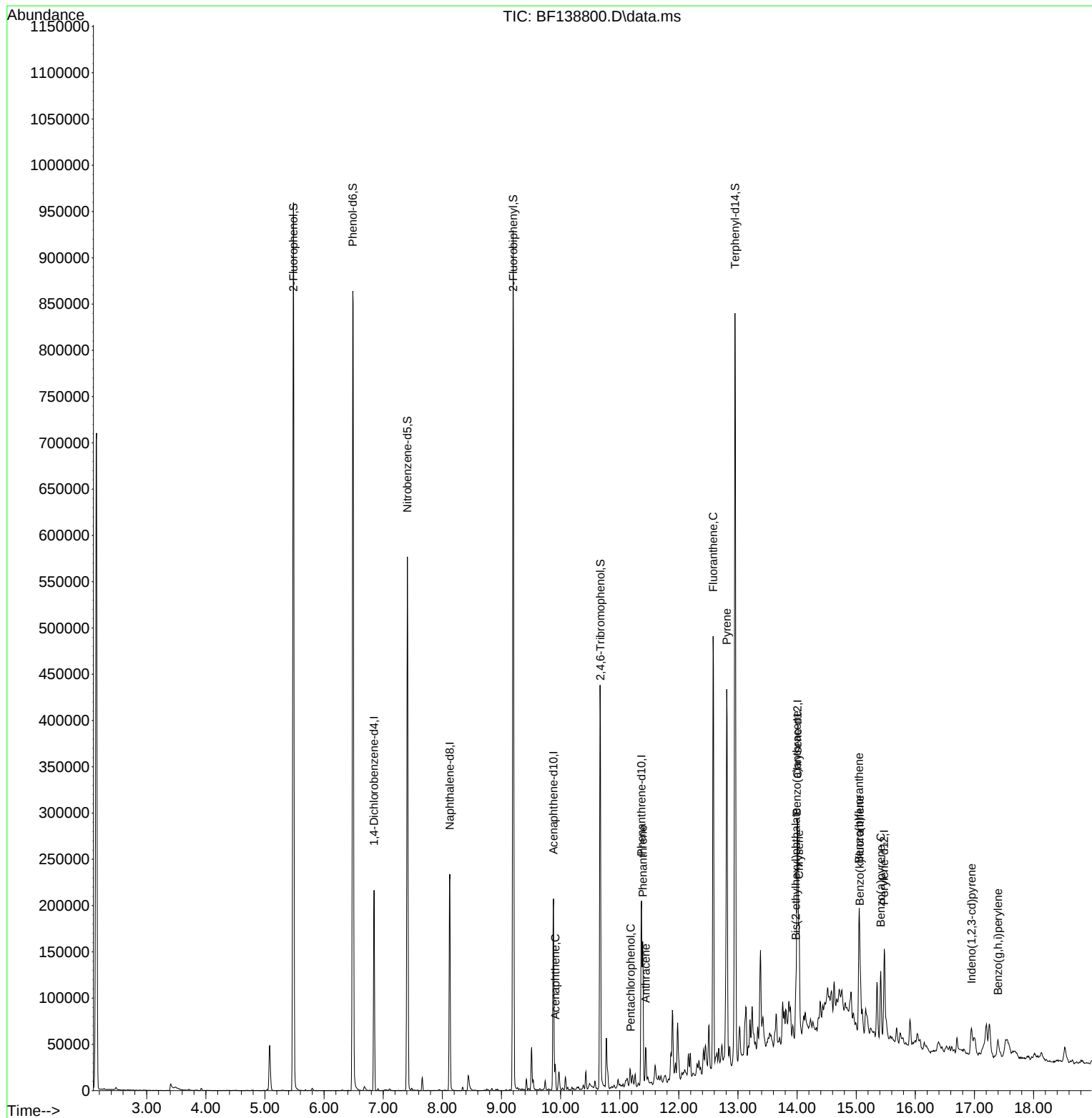
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
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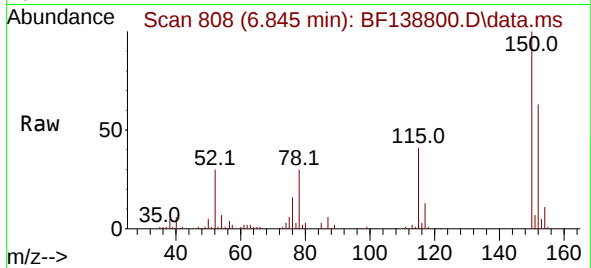
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

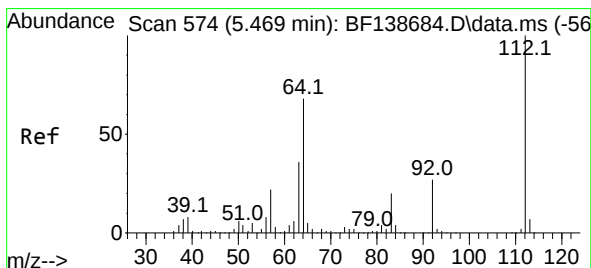
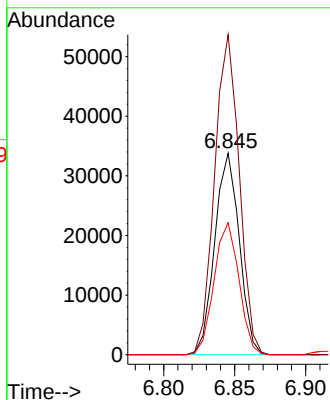
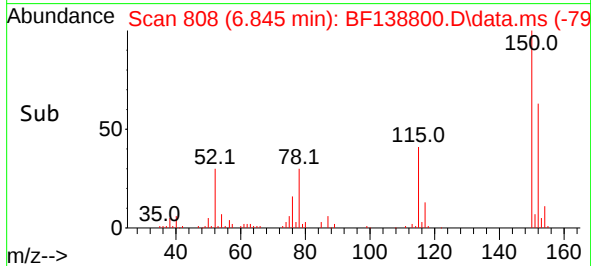
Instrument :
BNA_F
ClientSampleId :
72-11978RE



Tgt Ion:152 Resp: 40552
Ion Ratio Lower Upper
152 100
150 158.9 126.0 189.0
115 65.6 51.7 77.5

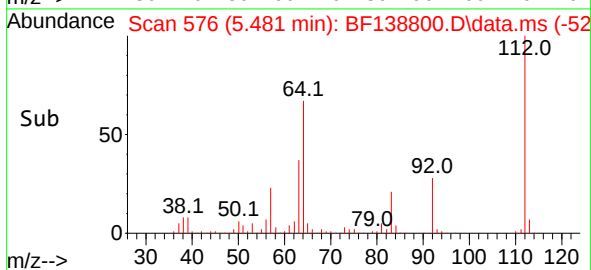
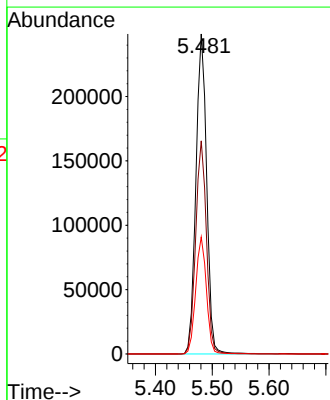
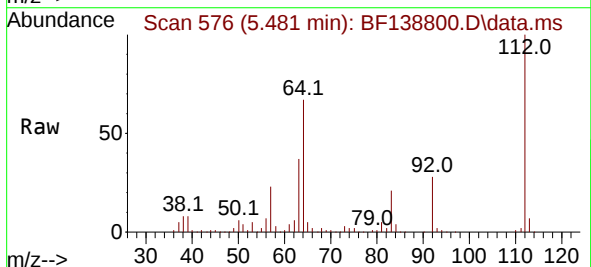
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#5
2-Fluorophenol
Concen: 125.162 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

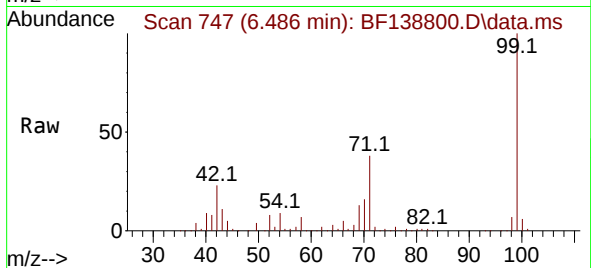
Tgt Ion:112 Resp: 328802
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 36.6 28.7 43.1





#7
Phenol-d6
Concen: 115.588 ng
RT: 6.486 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

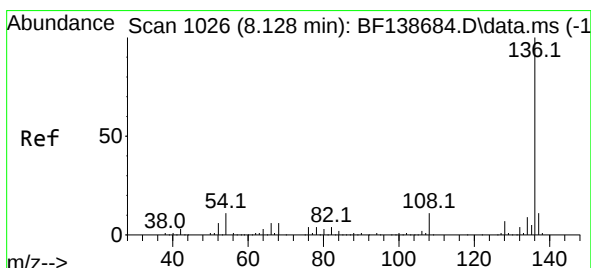
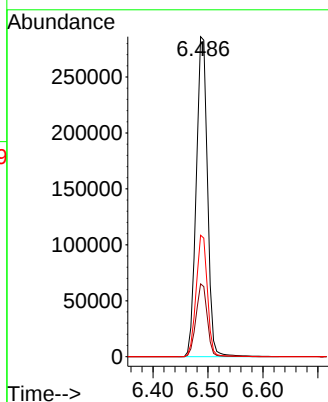
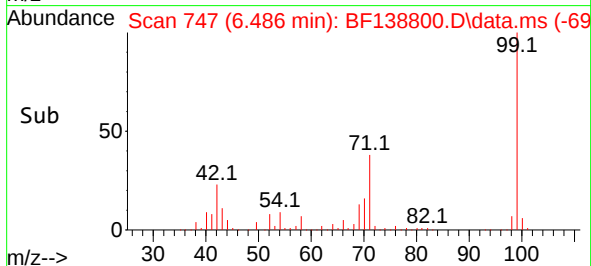
Instrument :
BNA_F
ClientSampleId :
72-11978RE



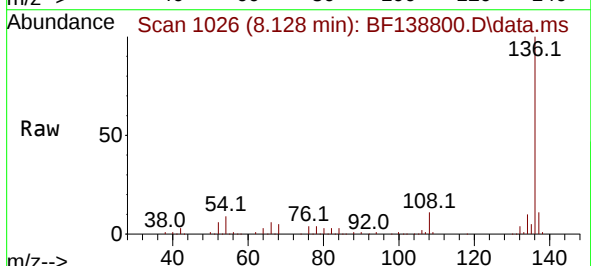
Tgt Ion: 99 Resp: 407689
Ion Ratio Lower Upper
99 100
42 22.7 17.4 26.0
71 38.0 28.1 42.1

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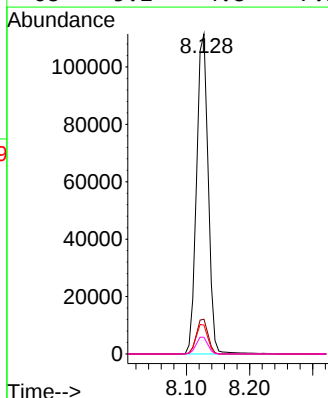
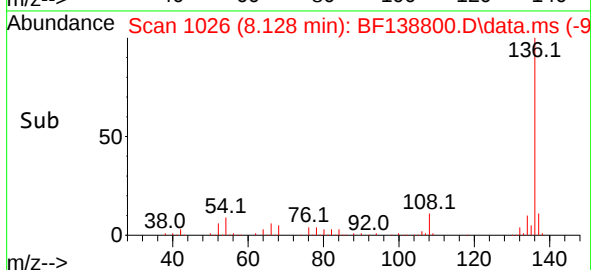
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08



Tgt Ion:136 Resp: 142569
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.0 8.6 12.8
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 85.905 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

Tgt Ion: 82 Resp: 25050

Ion Ratio Lower Upper

82 100

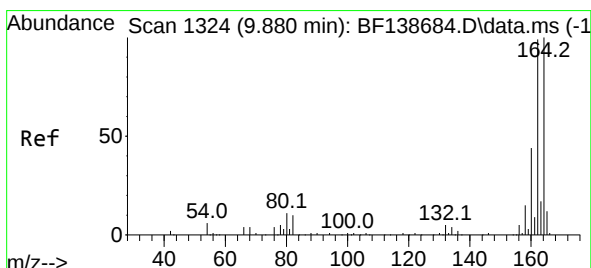
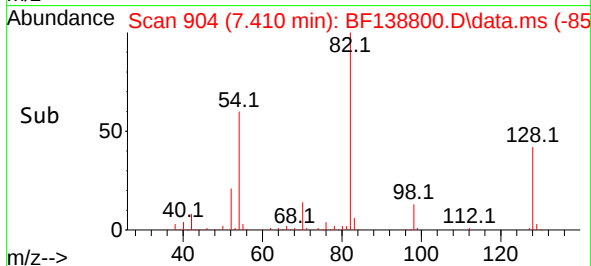
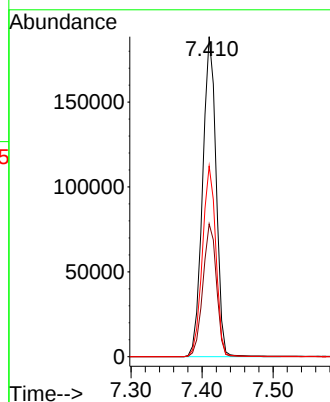
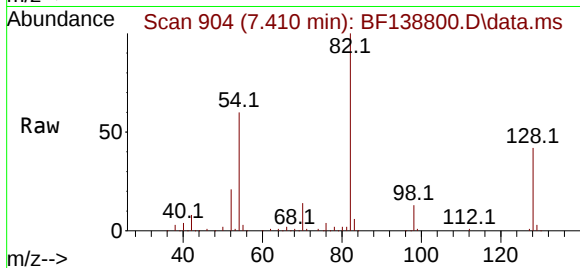
128 41.5 32.8 49.2

54 59.6 48.3 72.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

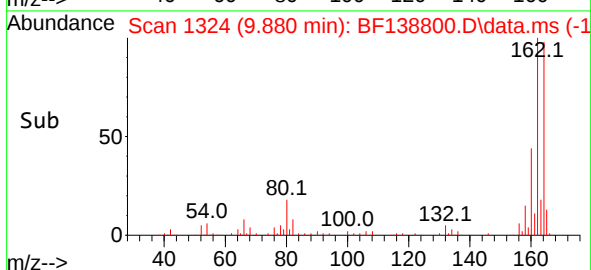
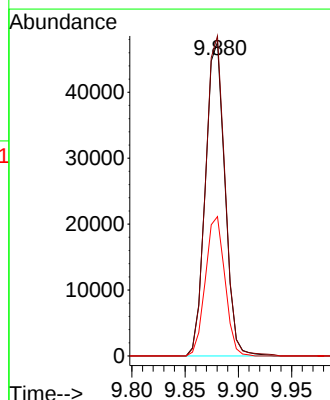
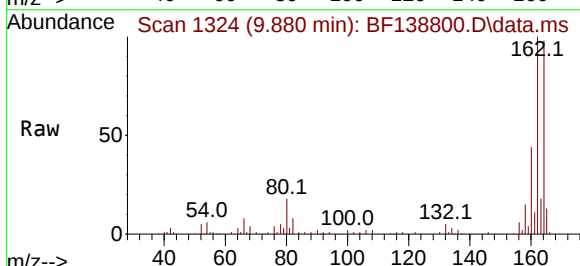
Tgt Ion:164 Resp: 60671

Ion Ratio Lower Upper

164 100

162 101.9 79.4 119.0

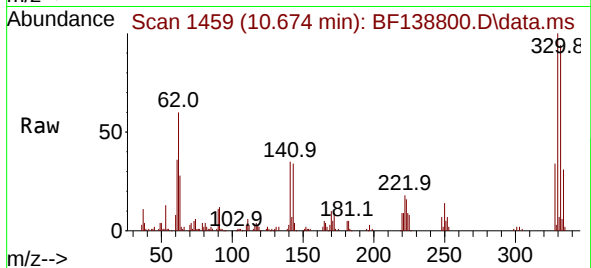
160 44.4 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 129.404 ng
RT: 10.674 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

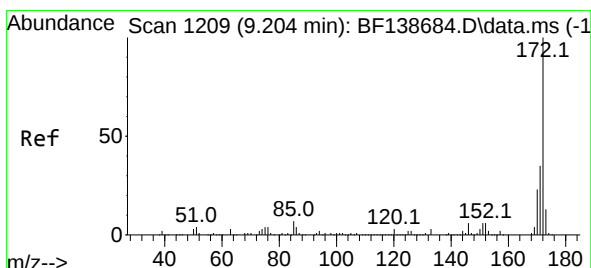
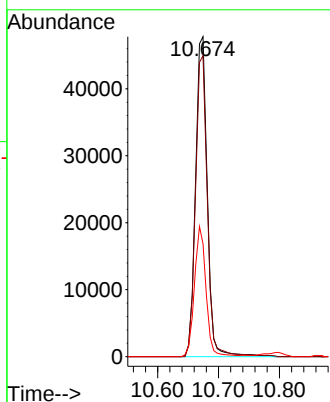
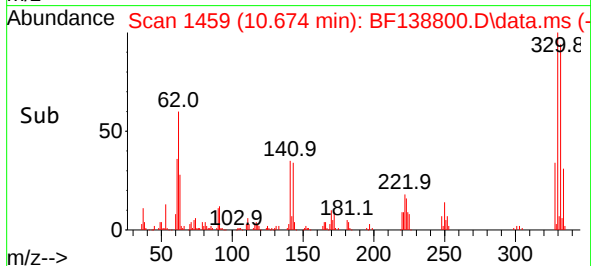
Instrument :
BNA_F
ClientSampleId :
72-11978RE



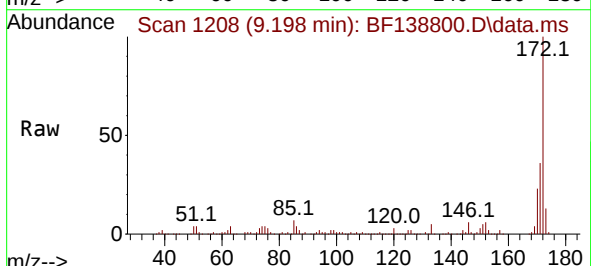
Tgt Ion: 330 Resp: 6431
Ion Ratio Lower Upper
330 100
332 94.8 76.4 114.6
141 39.9 31.1 46.7

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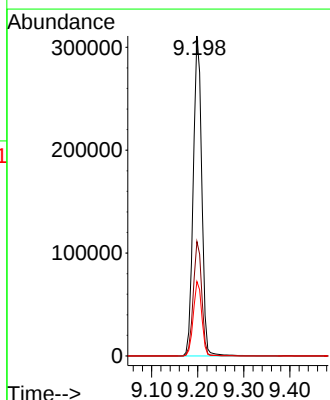
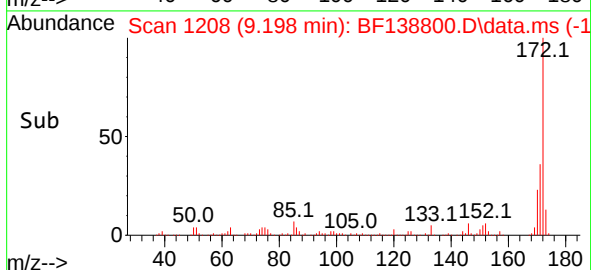
Reviewed By : Jagrut Upadhyay 08/06/2024
Supervised By : mohammad ahmed 08/07/2024

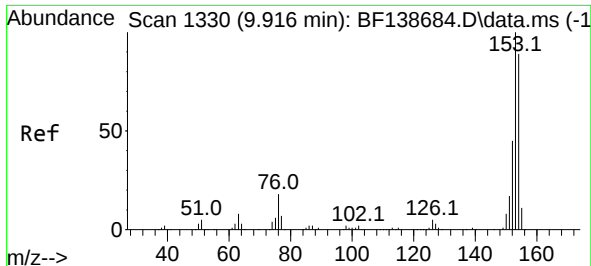


#45
2-Fluorobiphenyl
Concen: 98.479 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08



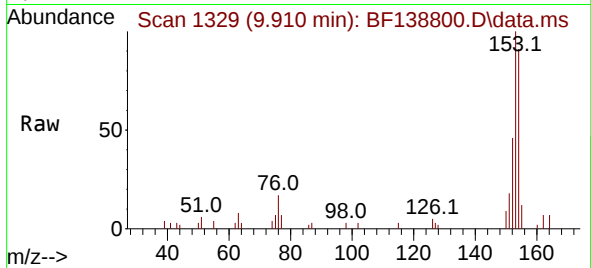
Tgt Ion: 172 Resp: 397661
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.2 18.8 28.2





#52
Acenaphthene
Concen: 2.443 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

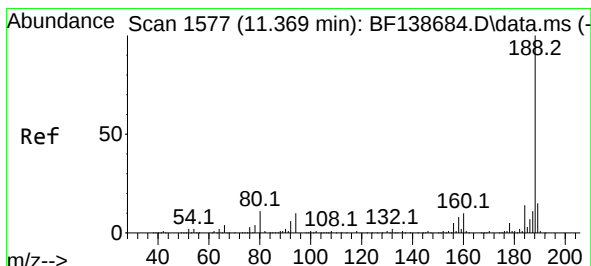
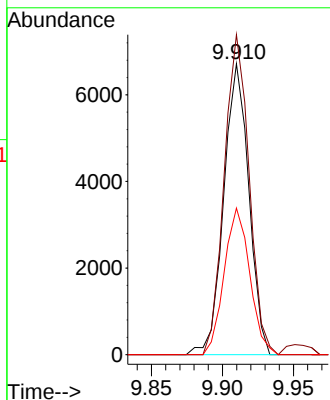
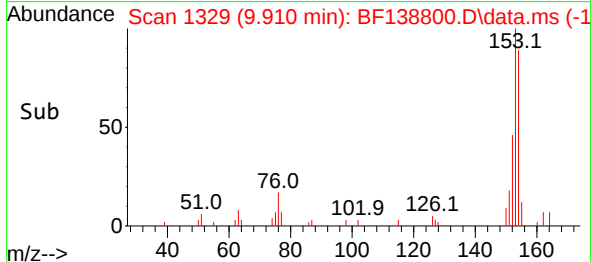
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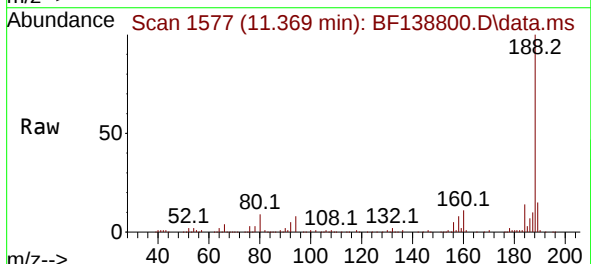
Tgt Ion:154 Resp: 823
Ion Ratio Lower Upper
154 100
153 110.0 89.9 134.9
152 50.4 40.6 60.8

Manual Integrations
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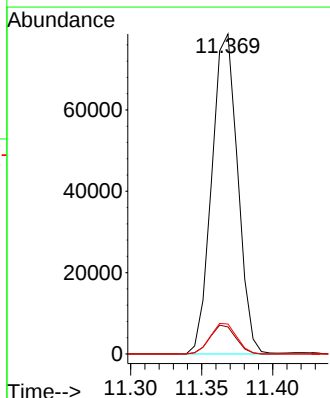
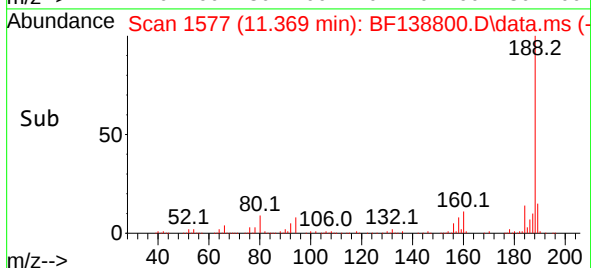
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

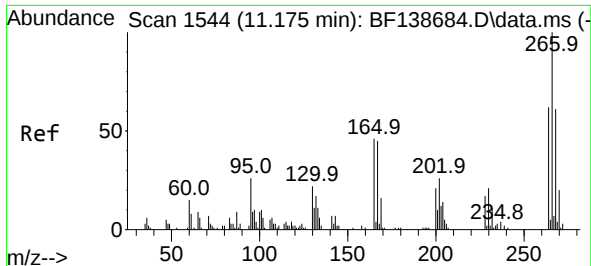


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08



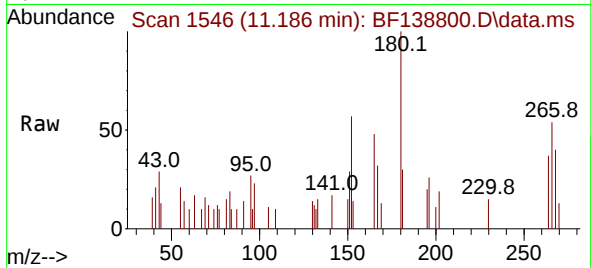
Tgt Ion:188 Resp: 100059
Ion Ratio Lower Upper
188 100
94 8.5 7.6 11.4
80 9.4 8.6 12.8





#70
Pentachlorophenol
Concen: 3.354 ng
RT: 11.186 min Scan# 1546
Delta R.T. 0.011 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

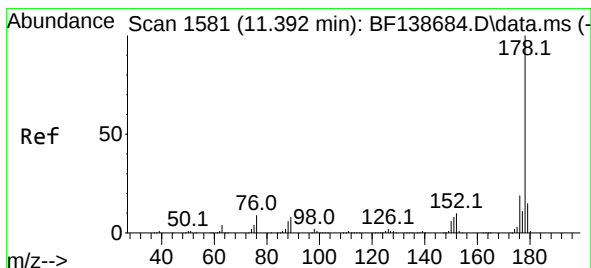
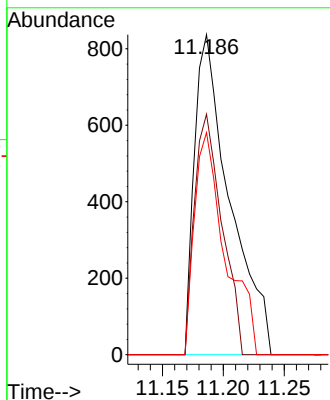
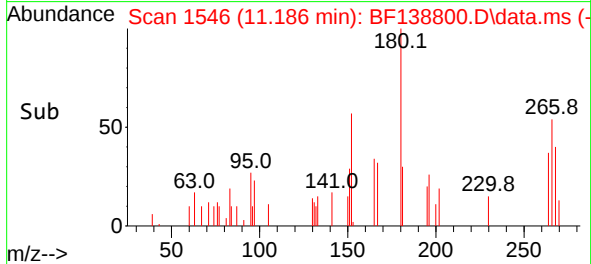
Instrument :
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Tgt Ion:266 Resp: 169
Ion Ratio Lower Upper
266 100
268 75.1 49.2 73.8
264 69.4 49.8 74.6

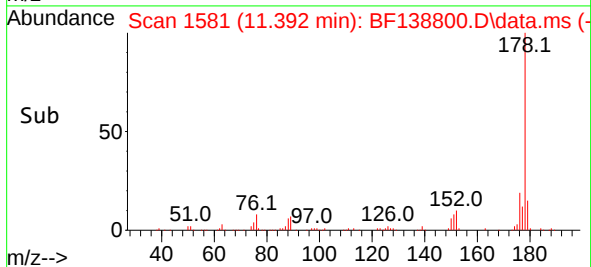
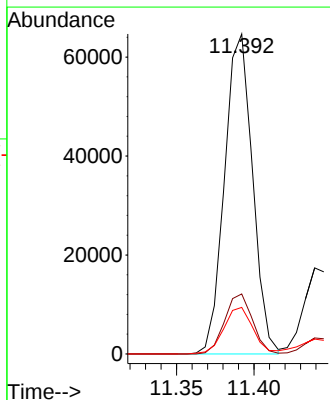
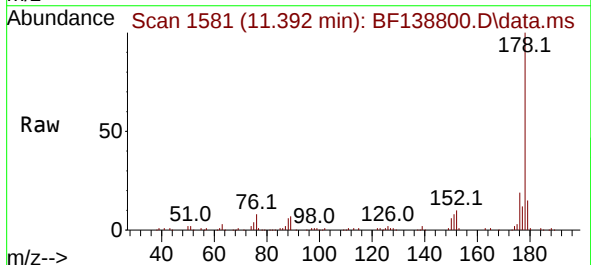
Manual Integrations
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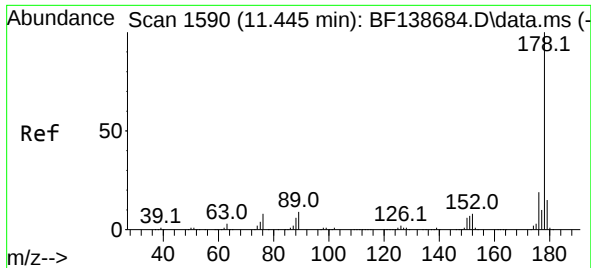
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#71
Phenanthrene
Concen: 15.768 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

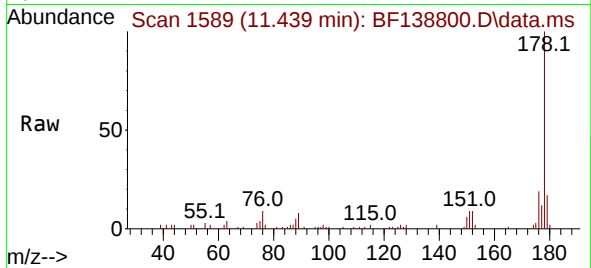
Tgt Ion:178 Resp: 81239
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.5 12.2 18.2





#72
 Anthracene
 Concen: 4.888 ng
 RT: 11.439 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

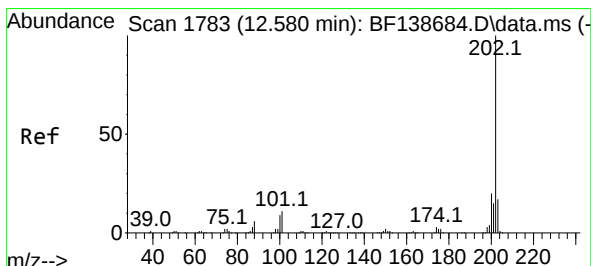
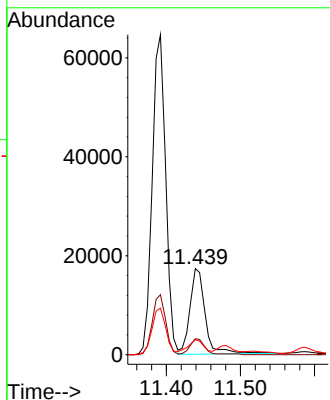
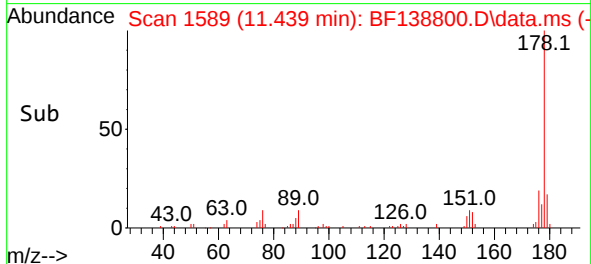
Instrument :
 BNA_F
 ClientSampleId :
 72-11978RE



Tgt Ion:178 Resp: 24810
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 17.2 12.4 18.6

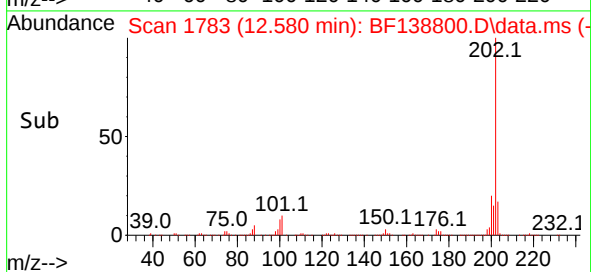
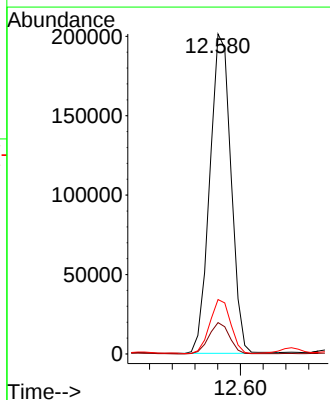
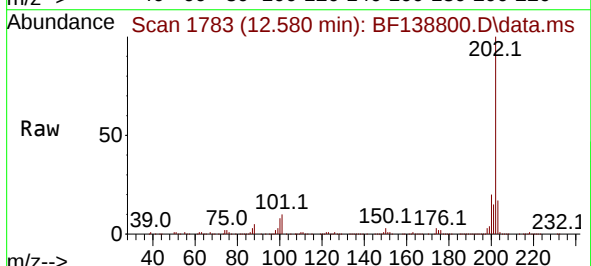
Manual Integrations
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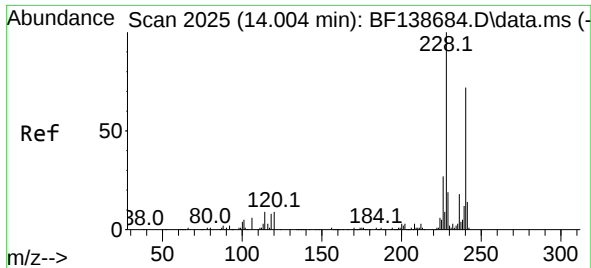
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024



#75
 Fluoranthene
 Concen: 54.148 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. -0.000 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

Tgt Ion:202 Resp: 260447
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.2
 203 17.0 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

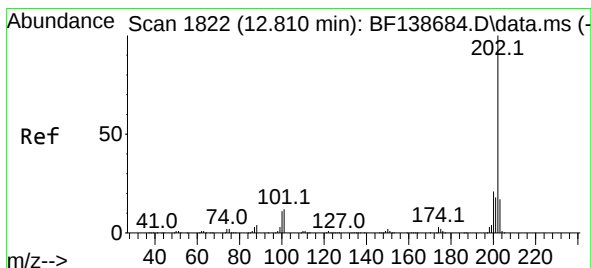
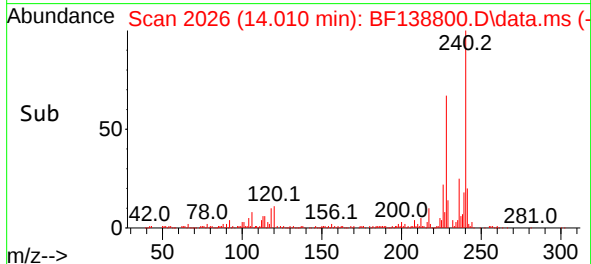
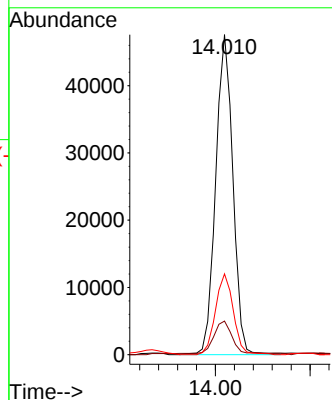
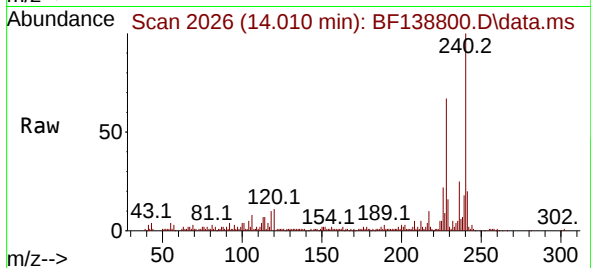
72-11978RE

Tgt Ion:240 Resp: 6018
Ion Ratio Lower Upper
240 100
120 10.5 10.2 15.4
236 25.3 19.8 29.8

Manual Integrations

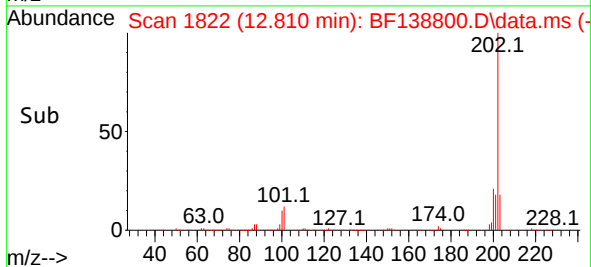
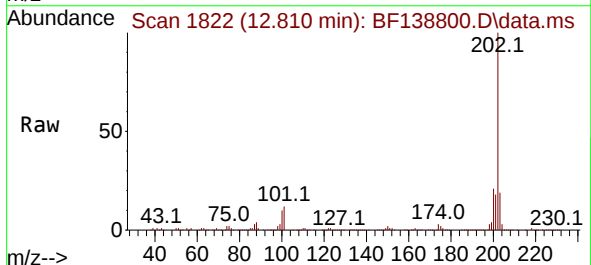
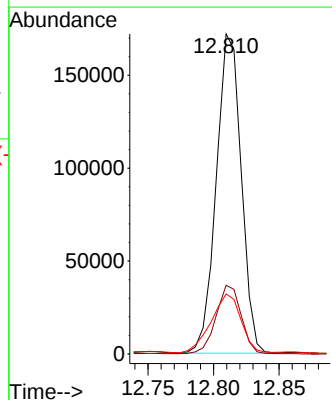
APPROVED

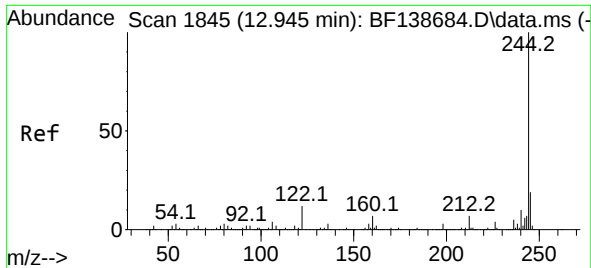
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#78
Pyrene
Concen: 40.059 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

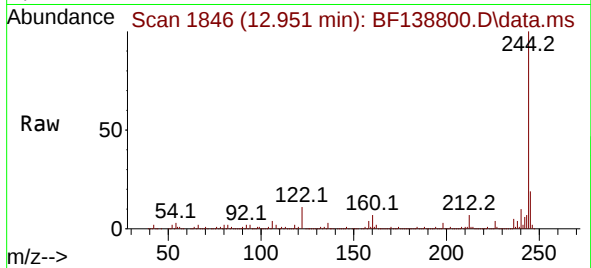
Tgt Ion:202 Resp: 226982
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 18.8 13.8 20.6





#79
 Terphenyl-d14
 Concen: 104.777 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

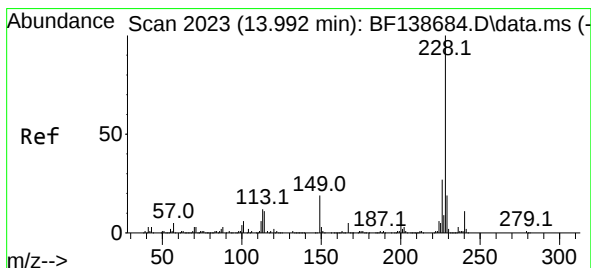
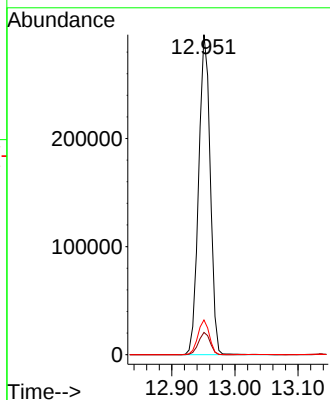
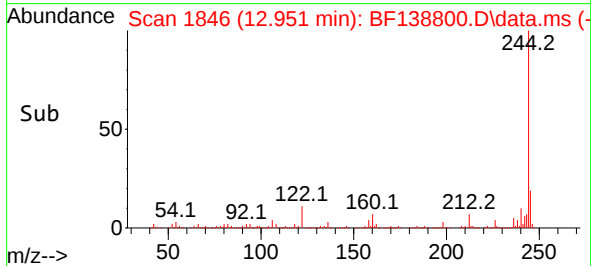
Instrument :
 BNA_F
 ClientSampleId :
 72-11978RE



Tgt Ion:244 Resp: 376618
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.8 9.6 14.4

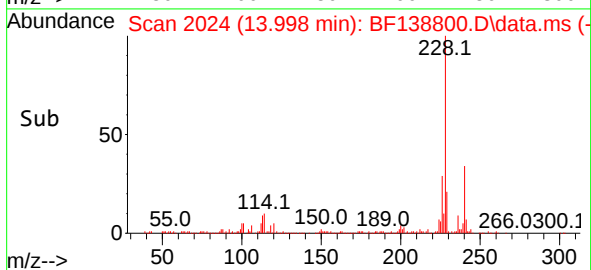
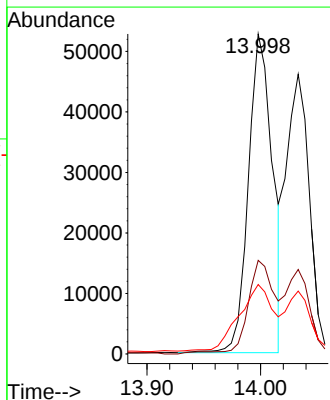
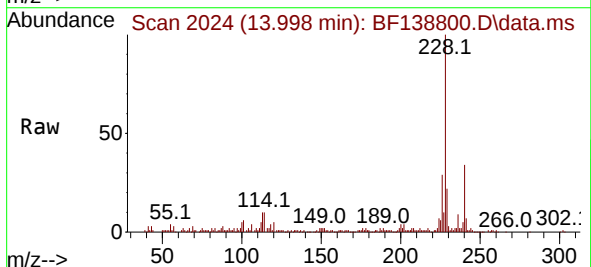
Manual Integrations
 APPROVED

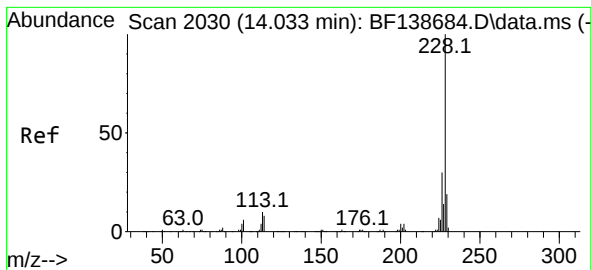
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024



#81
 Benzo(a)anthracene
 Concen: 18.817 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

Tgt Ion:228 Resp: 77983
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.1 33.1
 229 21.7 15.4 23.0





#83

Chrysene

Concen: 17.058 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

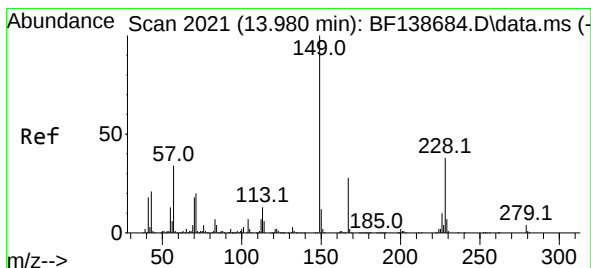
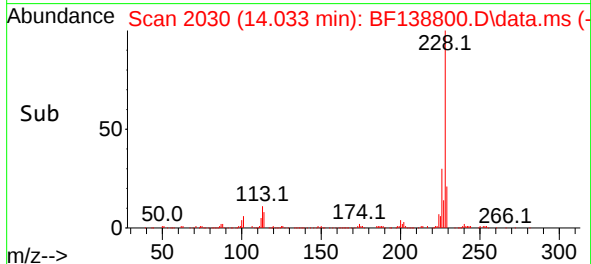
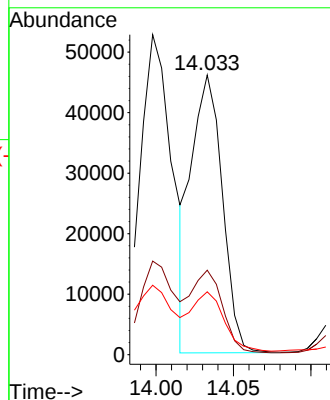
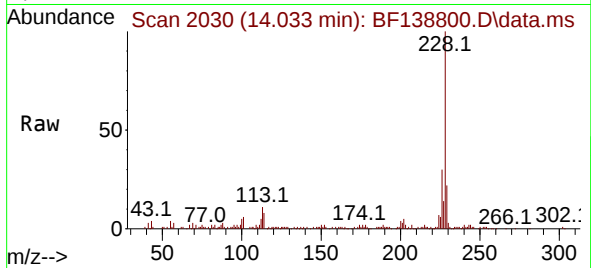
72-11978RE

Tgt Ion:	228	Resp:	63770
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.7	35.5
229	22.5	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.102 ng

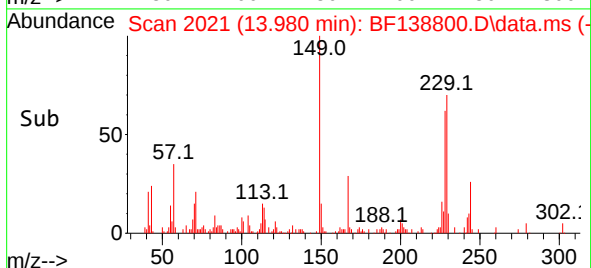
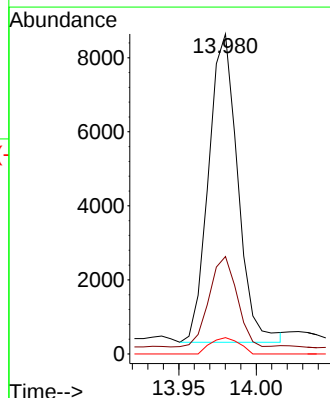
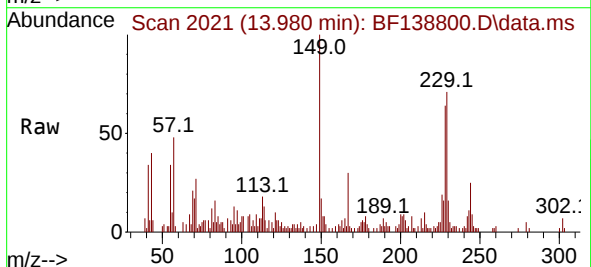
RT: 13.980 min Scan# 2021

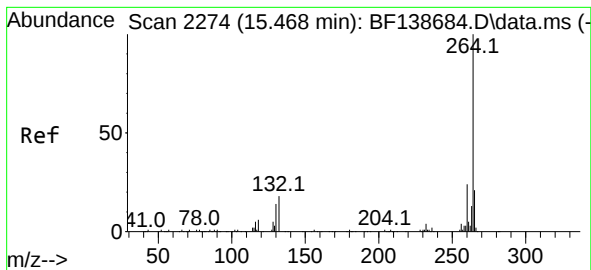
Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Tgt Ion:	149	Resp:	10900
Ion Ratio	Lower	Upper	
149	100		
167	30.5	22.2	33.4
279	5.1	3.4	5.0





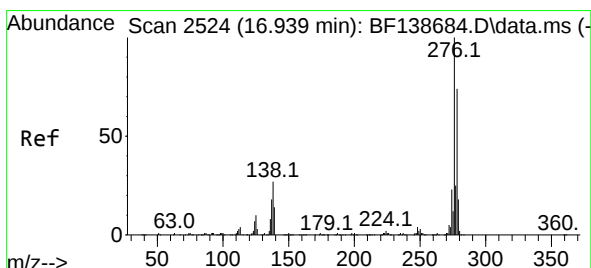
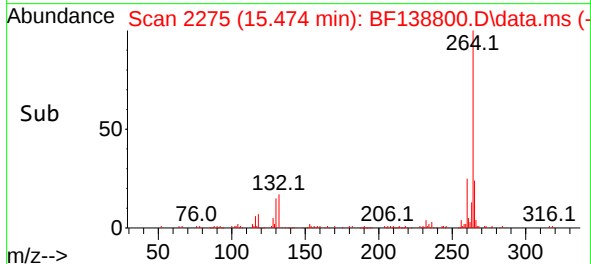
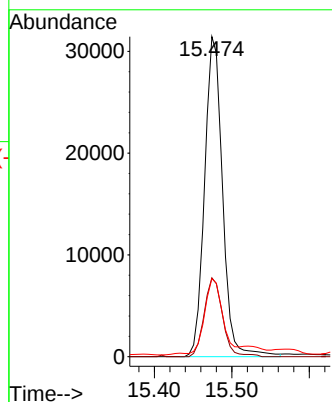
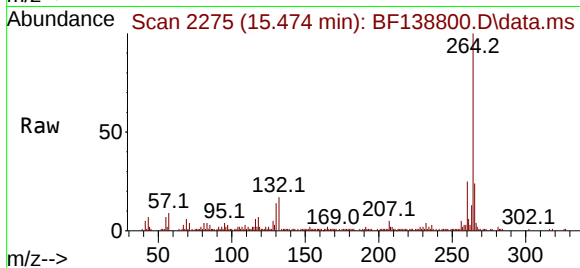
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Instrument :
BNA_F
ClientSampleId :
72-11978RE

Tgt Ion:264 Resp: 50670
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 24.4 17.0 25.6

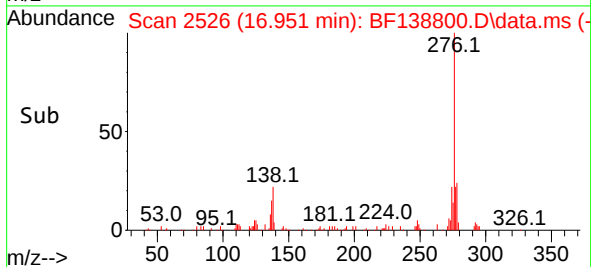
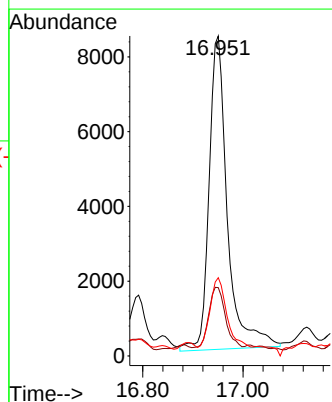
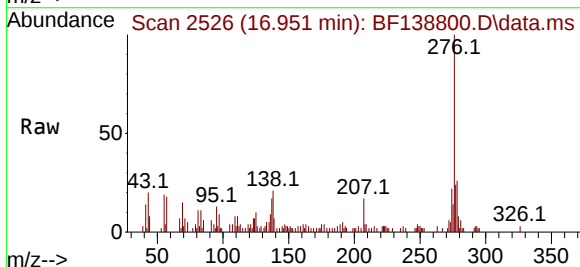
Manual Integrations
APPROVED

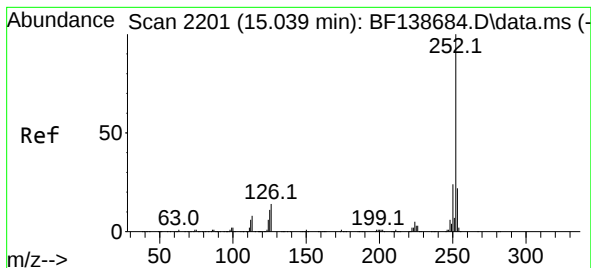
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.868 ng
RT: 16.951 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion:276 Resp: 21310
Ion Ratio Lower Upper
276 100
138 17.7 21.8 32.8#
277 20.4 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 23.095 ng m

RT: 15.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

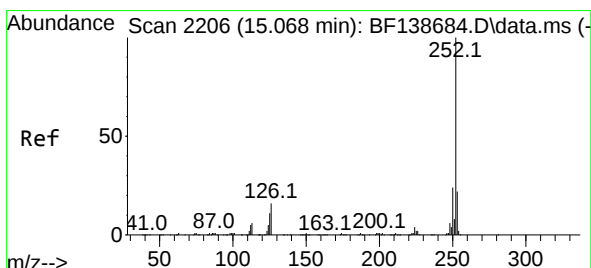
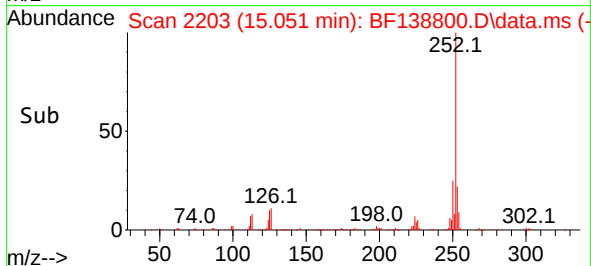
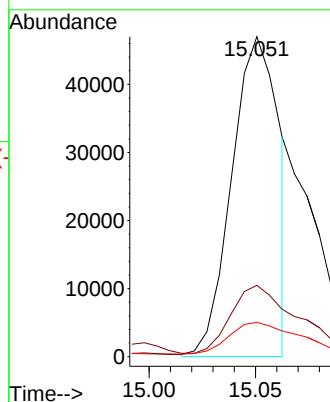
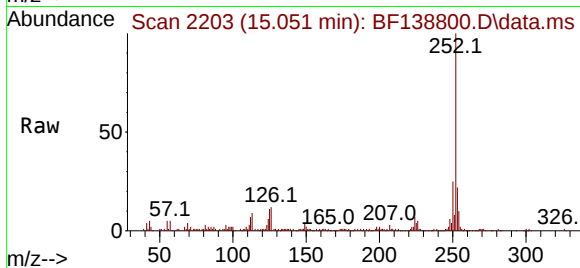
72-11978RE

Tgt Ion:	252	Resp:	7255
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	10.7	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#89

Benzo(k)fluoranthene

Concen: 10.968 ng m

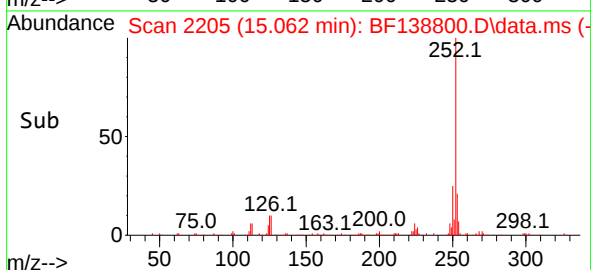
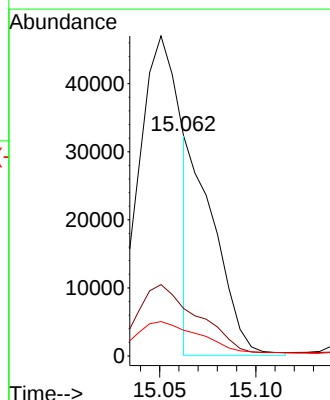
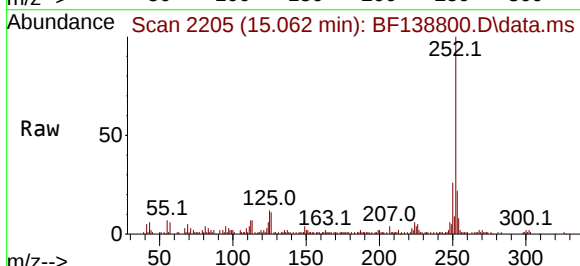
RT: 15.062 min Scan# 2205

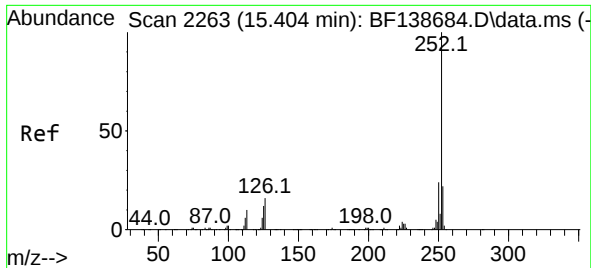
Delta R.T. -0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

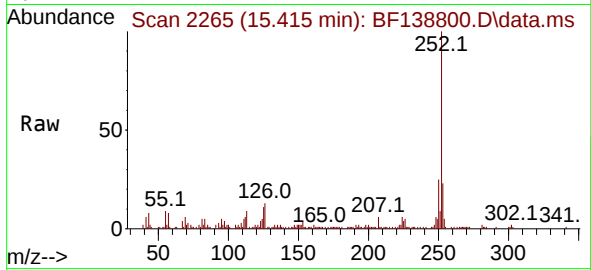
Tgt Ion:	252	Resp:	29831
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.0
125	11.7	8.6	13.0





#90
Benzo(a)pyrene
Concen: 15.082 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

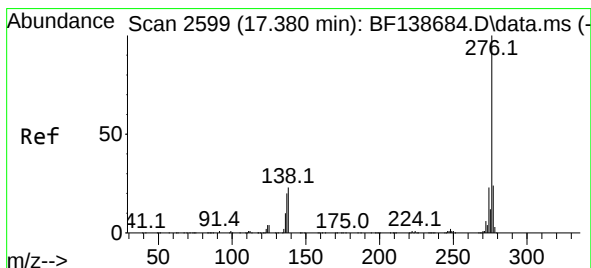
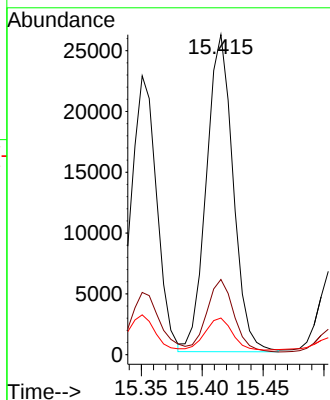
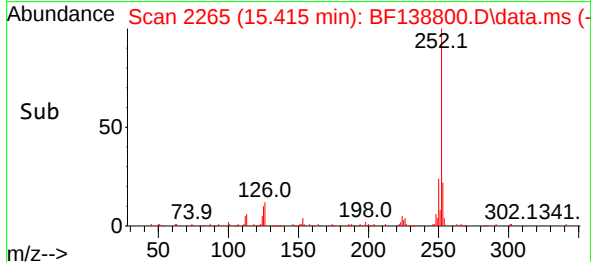
Instrument :
BNA_F
ClientSampleId :
72-11978RE



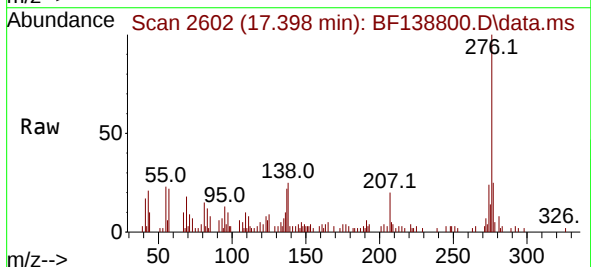
Tgt Ion: 252 Resp: 3985
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 11.5 9.5 14.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#92
Benzo(g,h,i)perylene
Concen: 5.474 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08



Tgt Ion: 276 Resp: 16933
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.4
138 25.1 18.5 27.7

