

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140513.D
 Acq On : 20 Nov 2024 21:21
 Operator : RC/JU
 Sample : P4889-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #72-11930DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 20 21:59:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	94716	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	318948	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	139993	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	239582	20.000	ng	0.00
76) Chrysene-d12	14.045	240	209277	20.000	ng	0.00
86) Perylene-d12	15.533	264	175813	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	93717	16.894	ng	0.01
7) Phenol-d6	6.510	99	117206	15.594	ng	0.00
23) Nitrobenzene-d5	7.434	82	70327	11.488	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	19998	14.365	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	134292	15.421	ng	-0.01
79) Terphenyl-d14	12.980	244	136050	11.284	ng	0.00
Target Compounds					Qvalue	
49) Acenaphthylene	9.769	152	45576	3.883	ng	99
70) Pentachlorophenol	11.210	266	27178	18.724	ng	99
71) Phenanthrene	11.422	178	62350	5.540	ng	98
72) Anthracene	11.475	178	25153	2.280	ng	97
75) Fluoranthene	12.610	202	169762	13.445	ng	99
78) Pyrene	12.845	202	218159	12.187	ng	99
81) Benzo(a)anthracene	14.033	228	111314m	8.093	ng	
83) Chrysene	14.069	228	155928	12.425	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	104920	9.661	ng	95
88) Benzo(b)fluoranthene	15.098	252	293110m	25.486	ng	
89) Benzo(k)fluoranthene	15.116	252	74582m	7.938	ng	
90) Benzo(a)pyrene	15.468	252	159272	17.833	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	23762	2.647	ng	# 83
92) Benzo(g,h,i)perylene	17.486	276	101583	11.069	ng	98

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

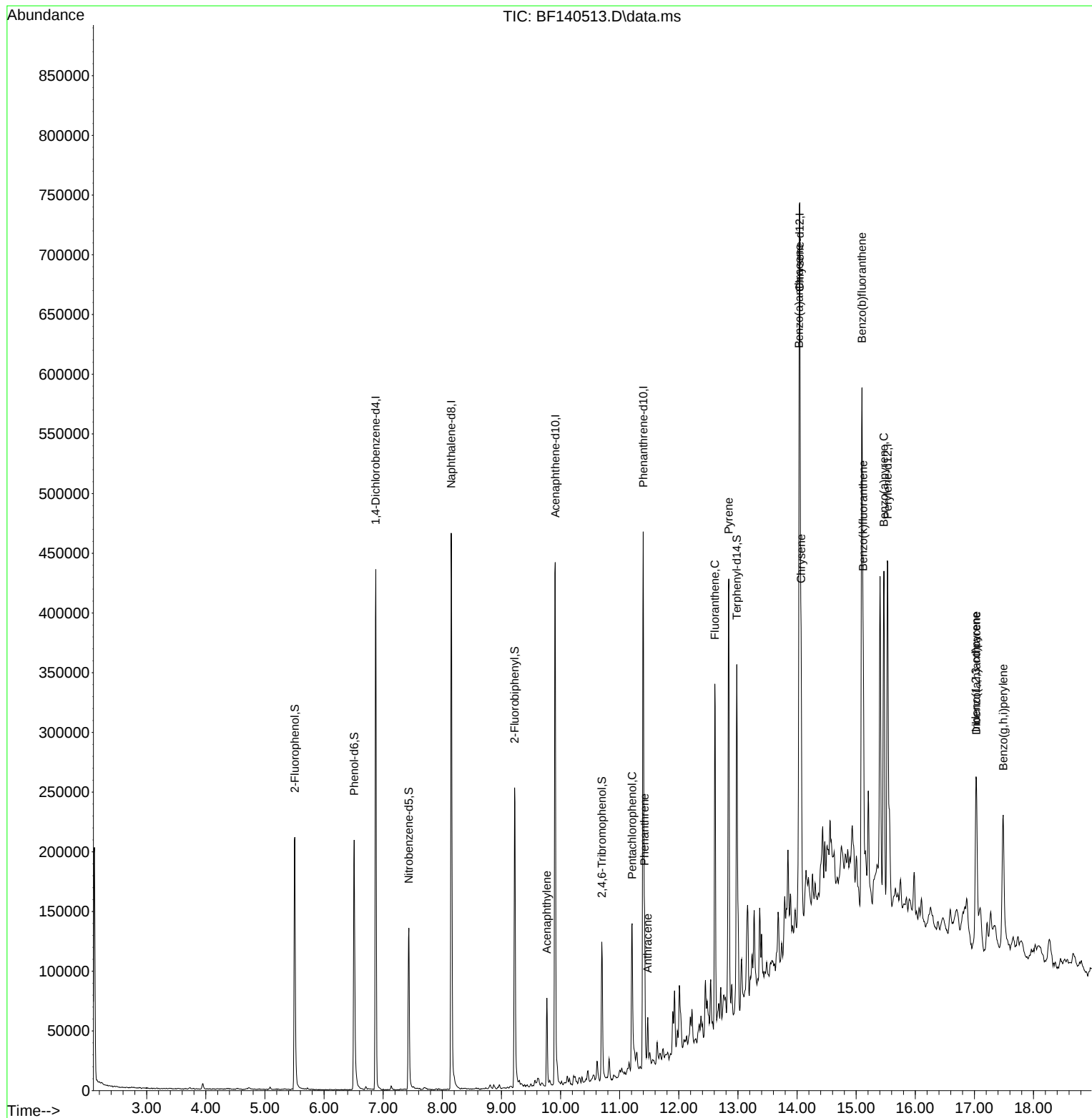
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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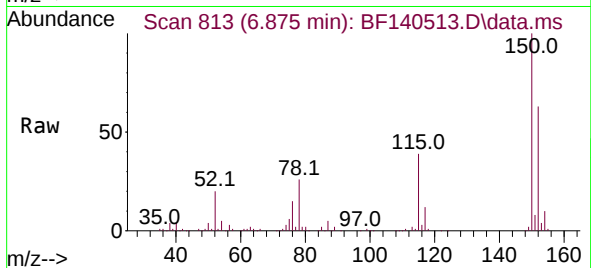
Quant Time: Nov 20 21:59:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

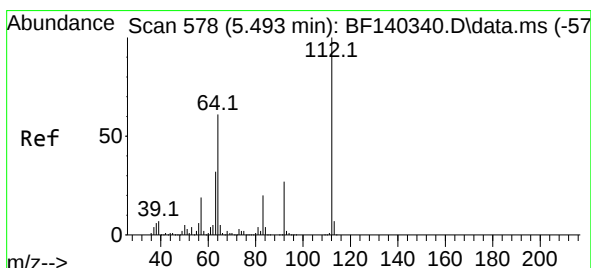
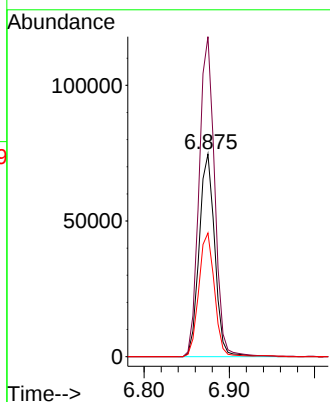
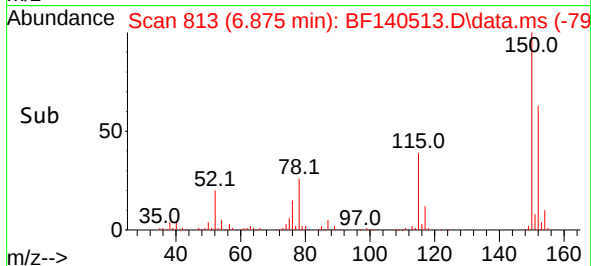
Instrument :
BNA_F
ClientSampleId :
#72-11930DL



Tgt Ion:152 Resp: 94710
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 61.1 47.4 71.2

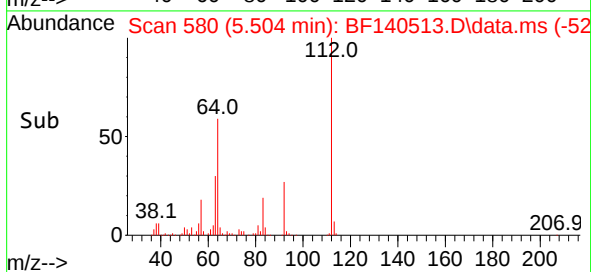
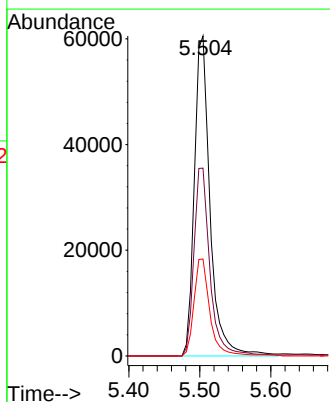
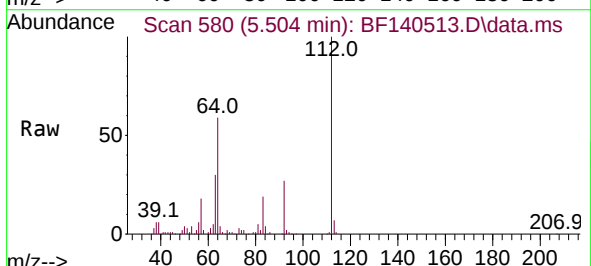
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#5
2-Fluorophenol
Concen: 16.894 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

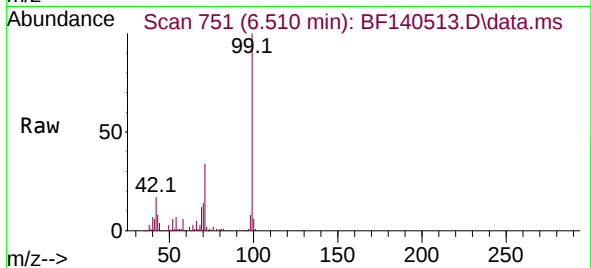
Tgt Ion:112 Resp: 93717
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 30.3 25.6 38.4





#7
Phenol-d6
Concen: 15.594 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

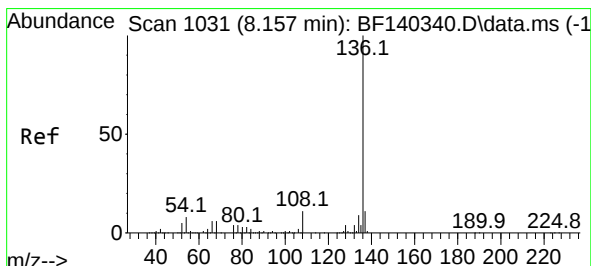
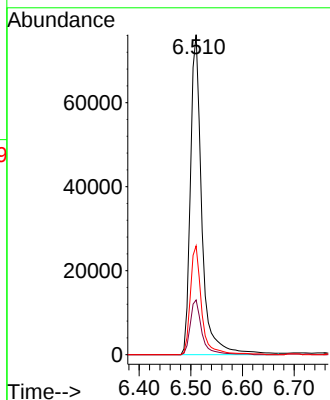
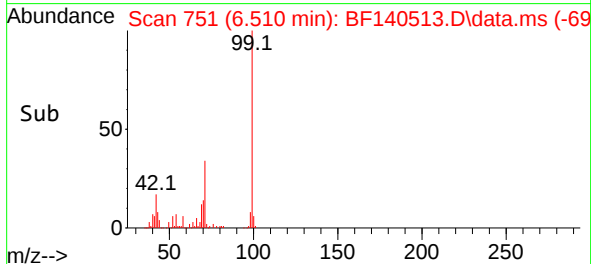
Instrument :
BNA_F
ClientSampleId :
#72-11930DL



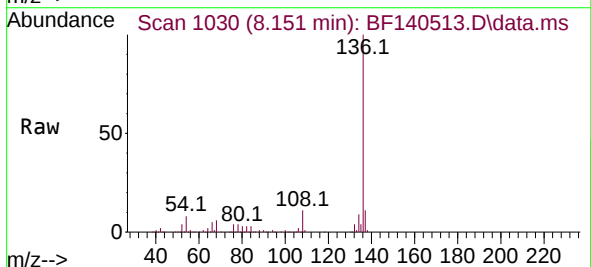
Tgt Ion: 99 Resp: 117200
Ion Ratio Lower Upper
99 100
42 17.1 15.1 22.7
71 34.0 27.9 41.9

Manual Integrations
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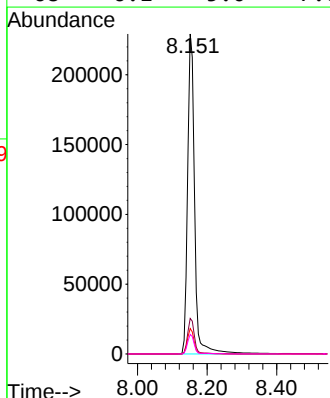
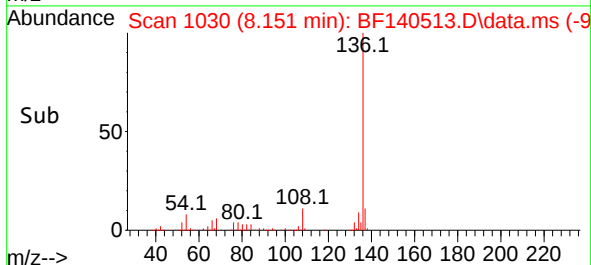
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

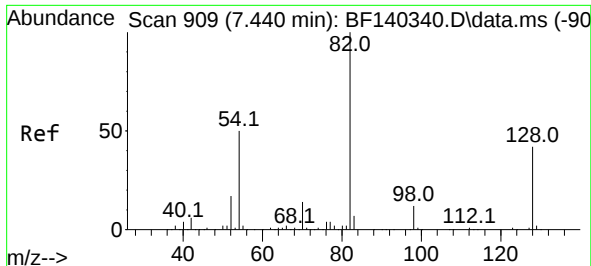


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21



Tgt Ion:136 Resp: 318948
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.9 6.5 9.7
68 6.1 5.0 7.6





#23
Nitrobenzene-d5
Concen: 11.488 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

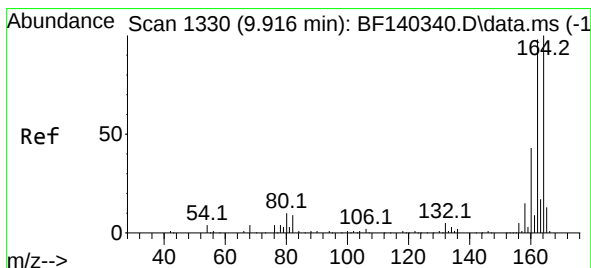
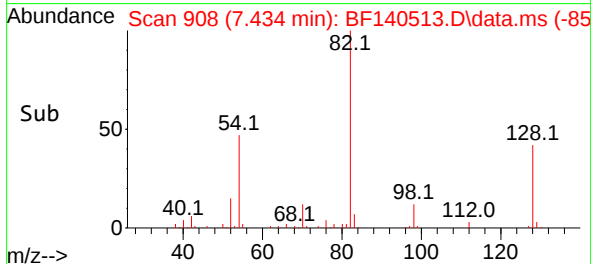
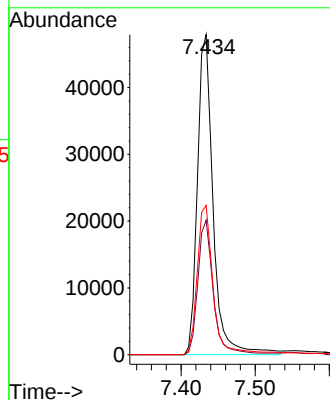
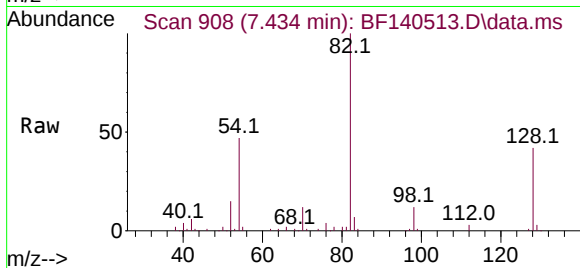
ClientSampleId :

#72-11930DL

Tgt Ion: 82 Resp: 7032
Ion Ratio Lower Upper
82 100
128 42.0 33.3 49.9
54 46.6 39.8 59.8

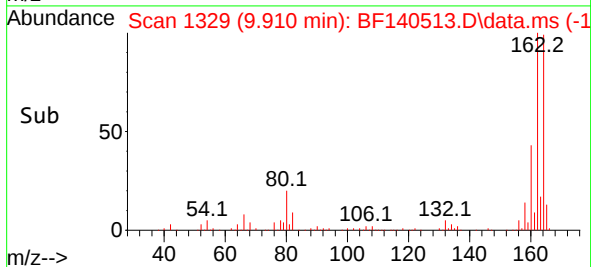
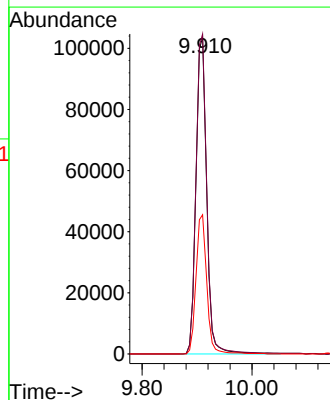
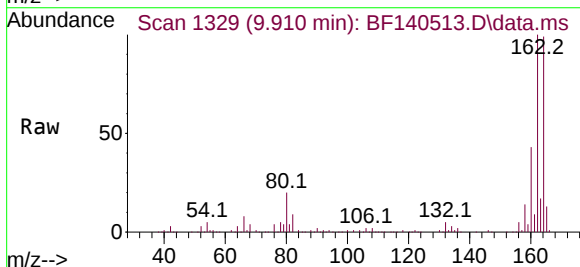
Manual Integrations
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:164 Resp: 139993
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 44.0 35.4 53.0





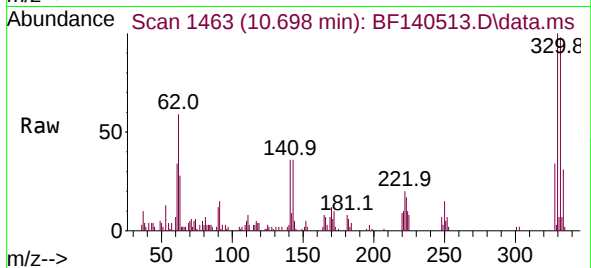
#42
2,4,6-Tribromophenol
Concen: 14.365 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL



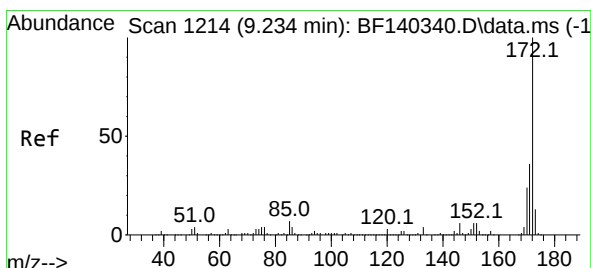
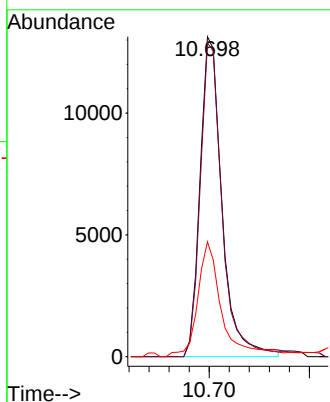
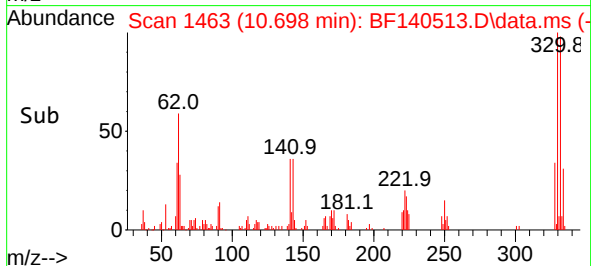
Tgt Ion:330 Resp: 1998
Ion Ratio Lower Upper
330 100
332 98.8 75.9 113.9
141 39.2 26.9 40.3

Manual Integrations

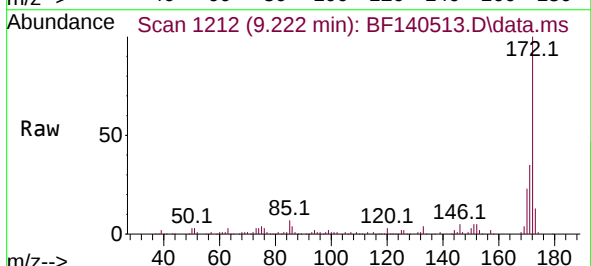
APPROVED

Reviewed By :Yogesh Patel 11/22/2024

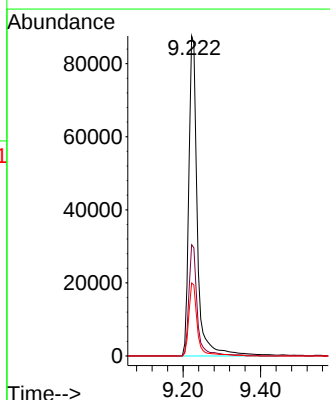
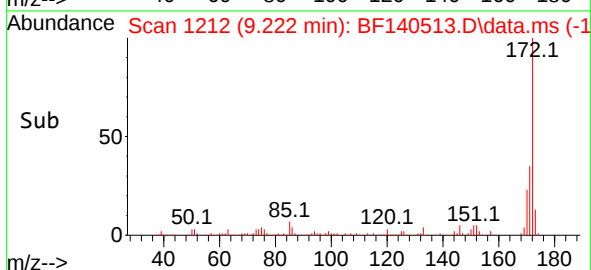
Supervised By :mohammad ahmed 11/22/2024

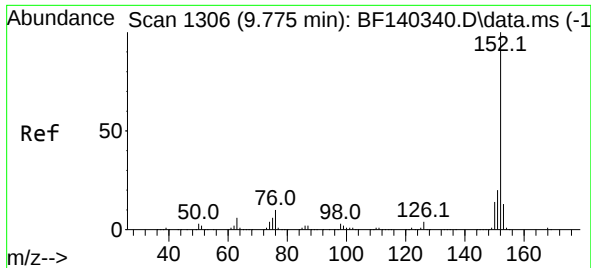


#45
2-Fluorobiphenyl
Concen: 15.421 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21



Tgt Ion:172 Resp: 134292
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.8 19.1 28.7





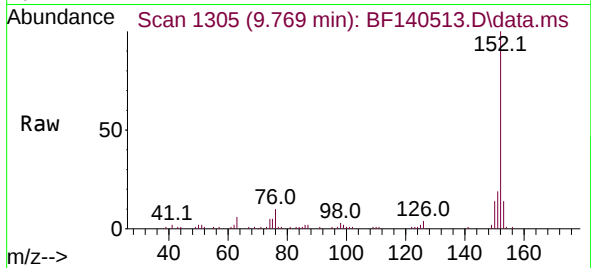
#49
Acenaphthylene
Concen: 3.883 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

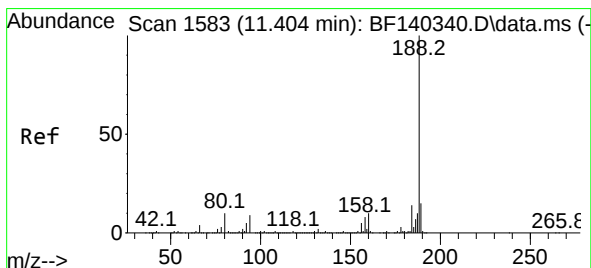
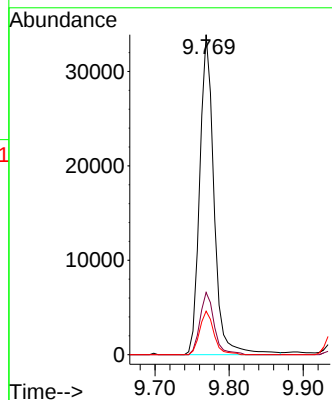
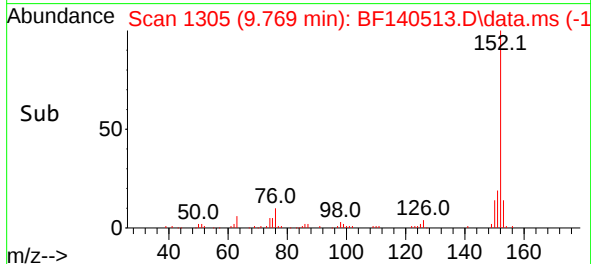


Tgt Ion:152 Resp: 45570
Ion Ratio Lower Upper
152 100
151 19.4 16.1 24.1
153 13.6 10.7 16.1

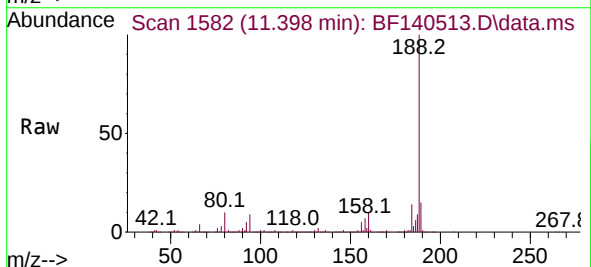
Manual Integrations

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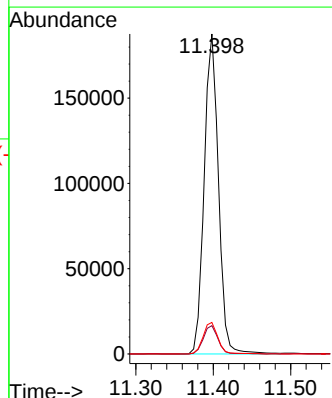
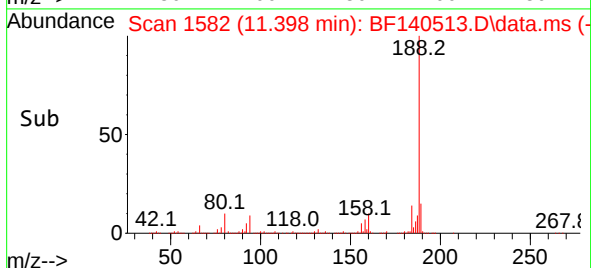
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

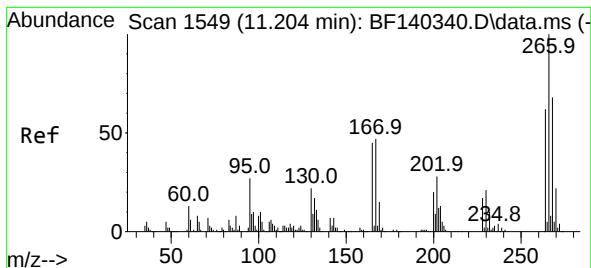


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21



Tgt Ion:188 Resp: 239582
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.8 8.0 12.0





#70

Pentachlorophenol

Concen: 18.724 ng

RT: 11.210 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

Tgt Ion:266 Resp: 27178

Ion Ratio Lower Upper

266 100

268 65.9 52.9 79.3

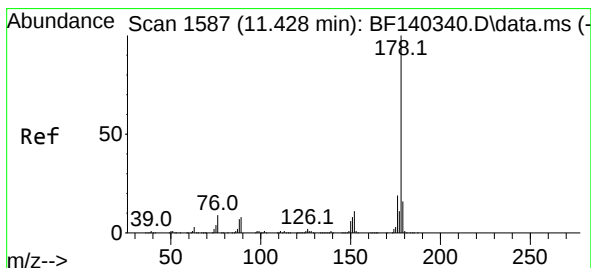
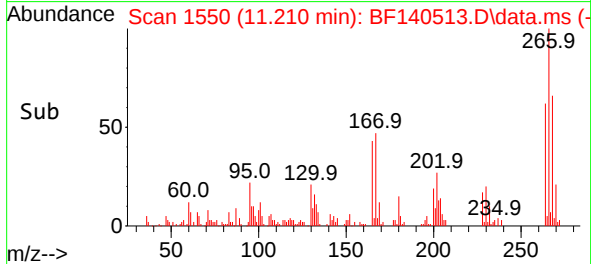
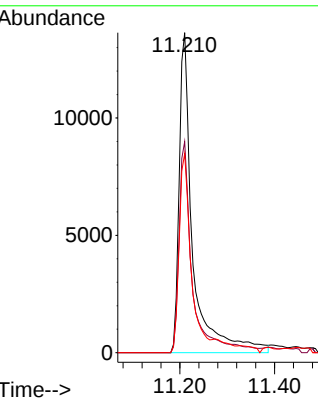
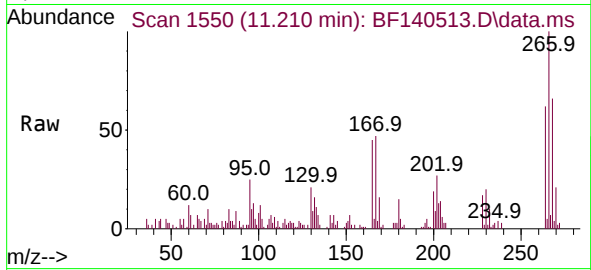
264 62.2 50.3 75.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#71

Phenanthrene

Concen: 5.540 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

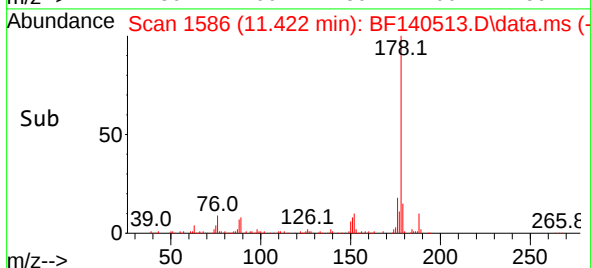
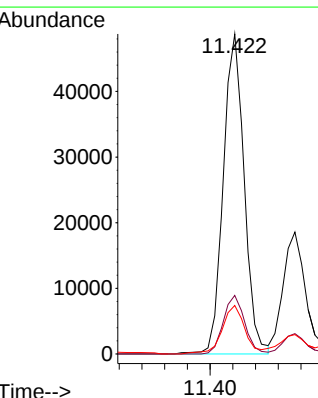
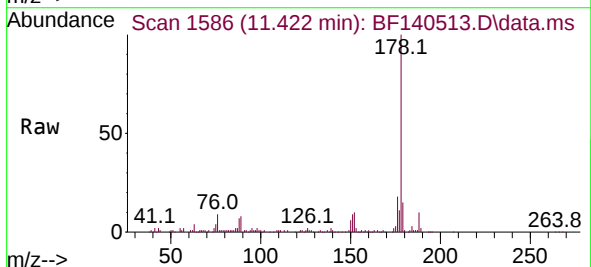
Tgt Ion:178 Resp: 62350

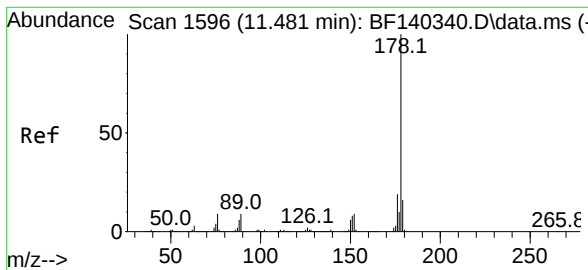
Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

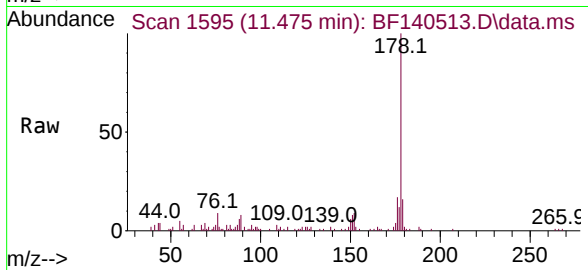
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 2.280 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

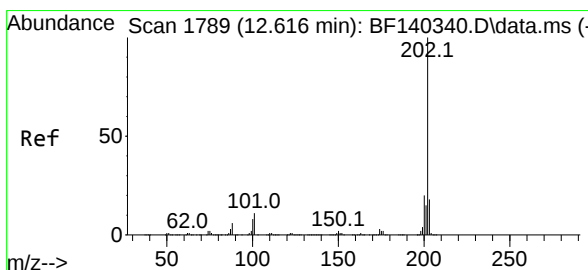
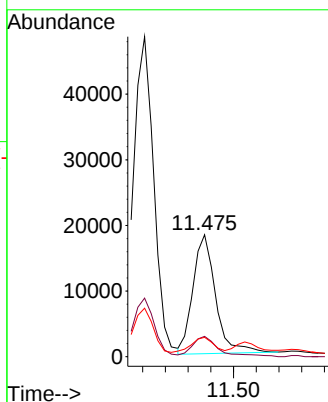
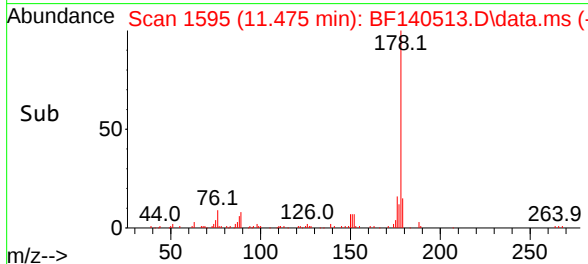
Instrument :
 BNA_F
 ClientSampleId :
 #72-11930DL



Tgt Ion:178 Resp: 2515
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.4 23.0
 179 15.9 12.6 18.8

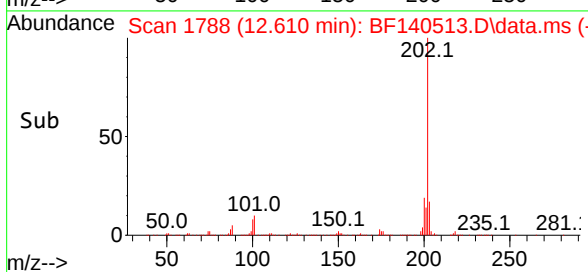
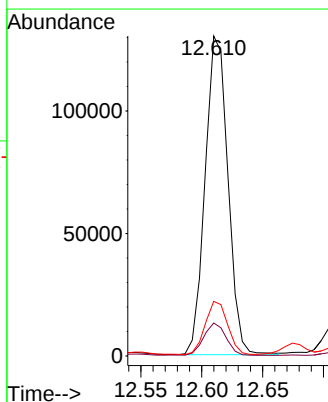
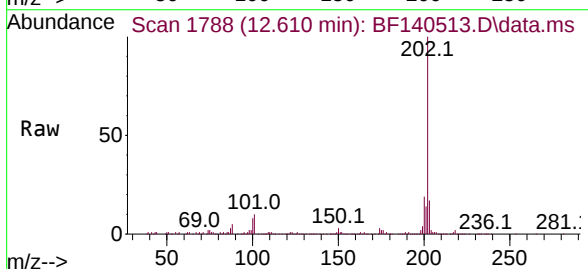
Manual Integrations
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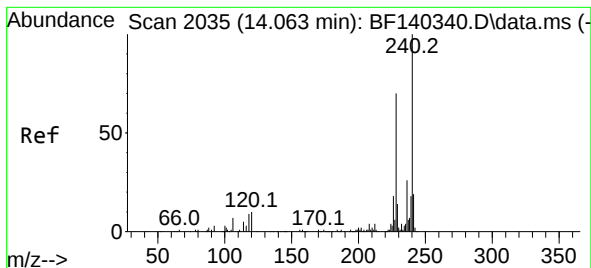
Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024



#75
 Fluoranthene
 Concen: 13.445 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF140513.D
 Acq: 20 Nov 2024 21:21

Tgt Ion:202 Resp: 169762
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.7
 203 17.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

Tgt Ion:240 Resp: 20927

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

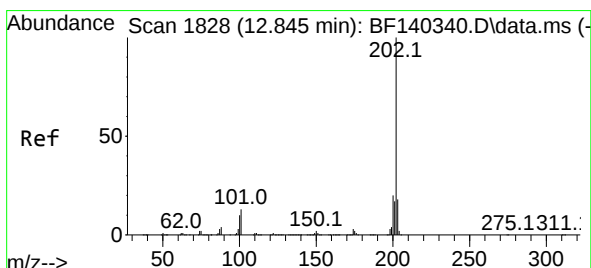
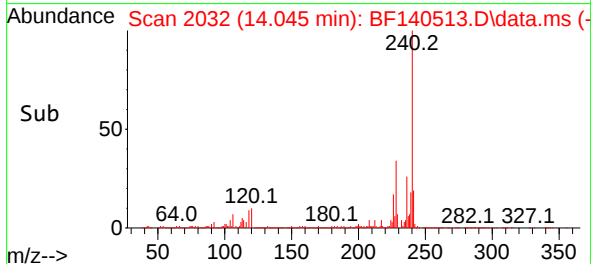
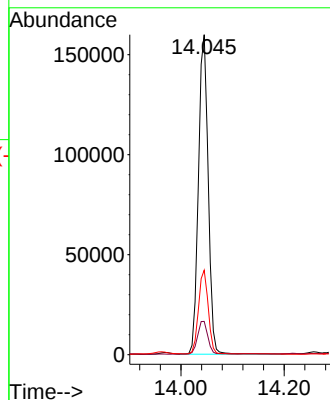
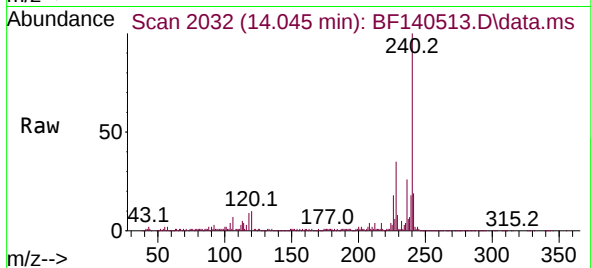
236 26.4 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#78

Pyrene

Concen: 12.187 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

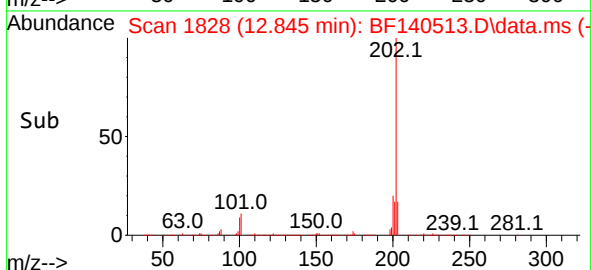
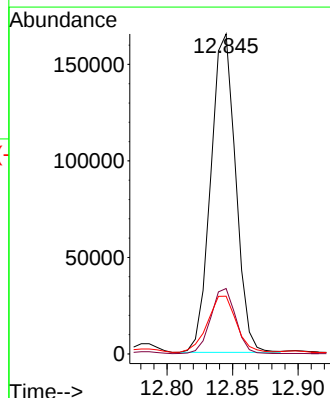
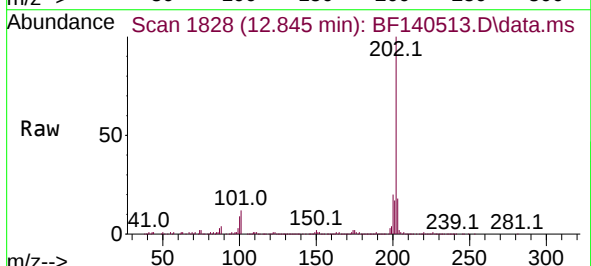
Tgt Ion:202 Resp: 218159

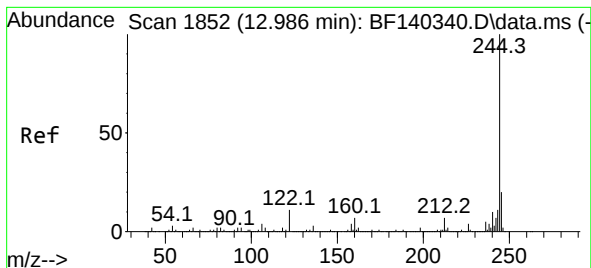
Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 18.1 14.2 21.4





#79

Terphenyl-d14

Concen: 11.284 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

Tgt Ion:244 Resp: 136050

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

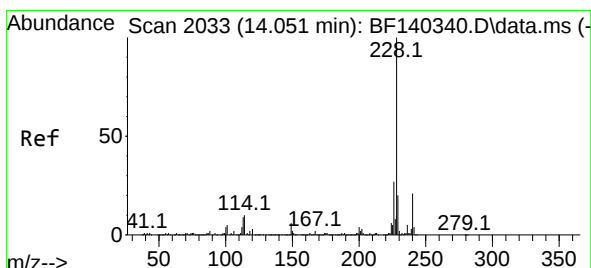
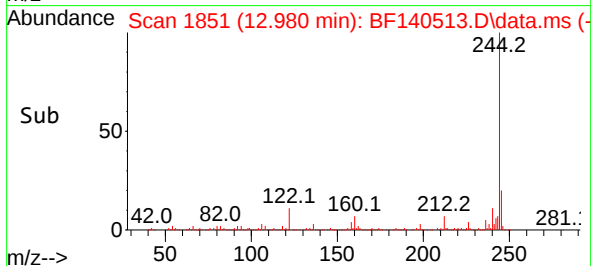
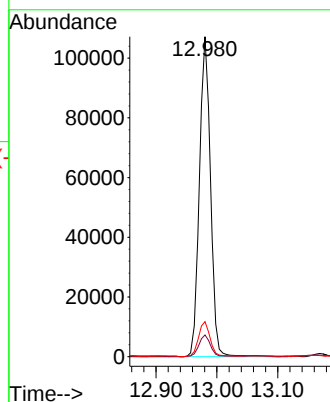
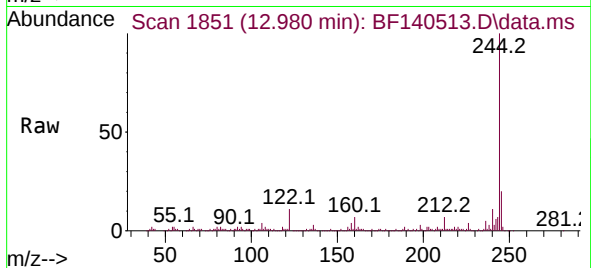
122 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#81

Benzo(a)anthracene

Concen: 8.093 ng m

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

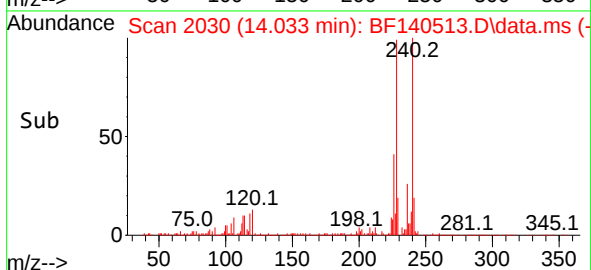
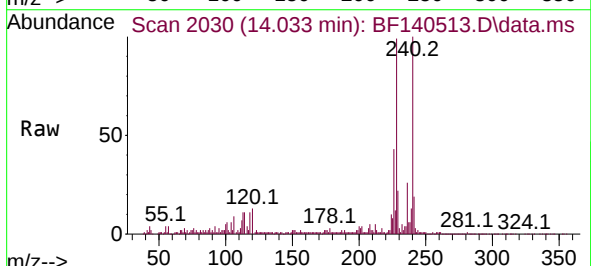
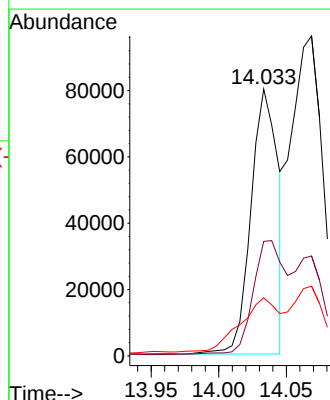
Tgt Ion:228 Resp: 111314

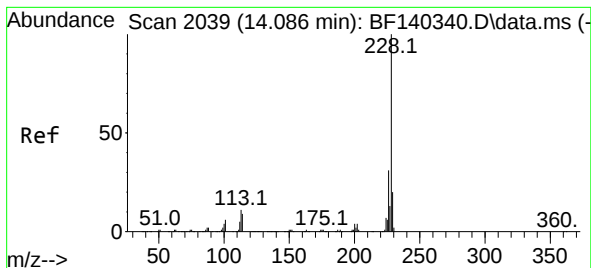
Ion Ratio Lower Upper

228 100

226 42.9 22.2 33.4#

229 21.8 15.8 23.6





#83

Chrysene

Concen: 12.425 ng

RT: 14.069 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

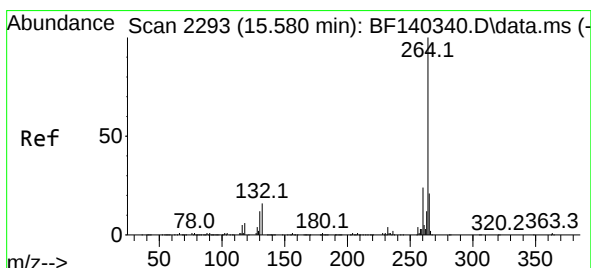
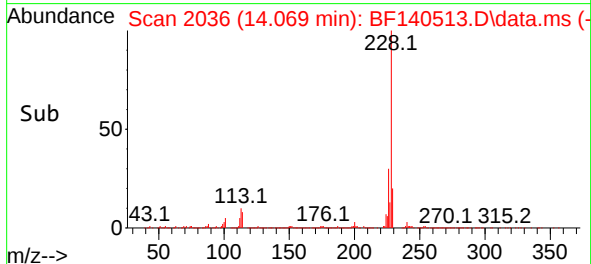
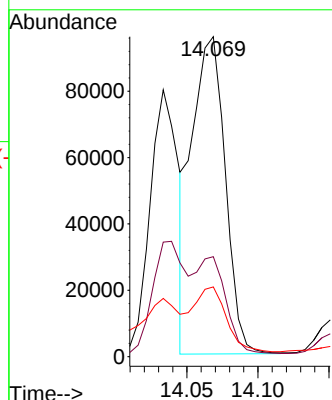
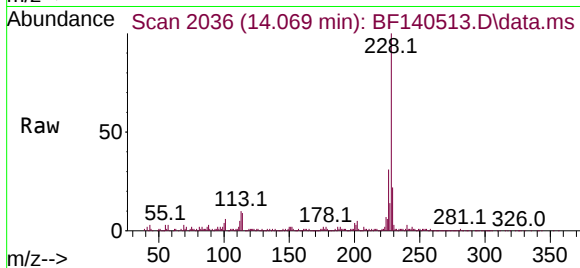
Tgt Ion:	228	Resp:	155928
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.5	36.7
229	21.8	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#86

Perylene-d12

Concen: 20.000 ng

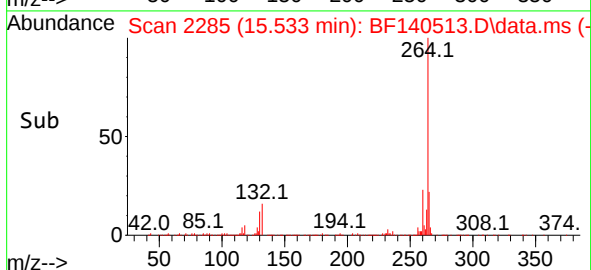
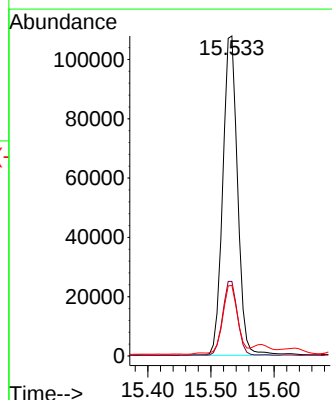
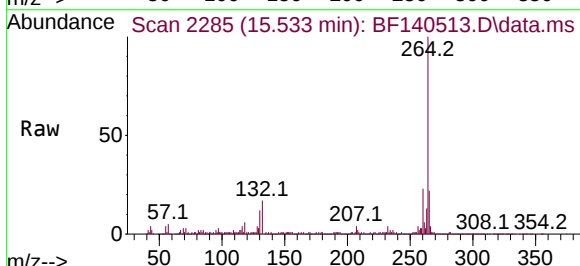
RT: 15.533 min Scan# 2285

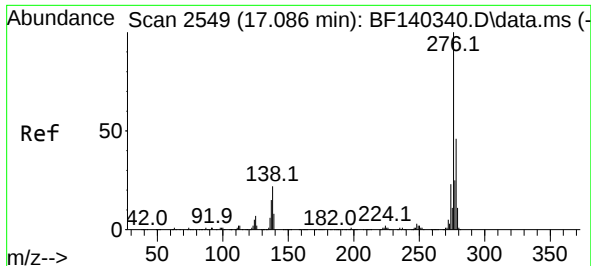
Delta R.T. -0.024 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Tgt Ion:	264	Resp:	175813
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	22.1	17.1	25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.661 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

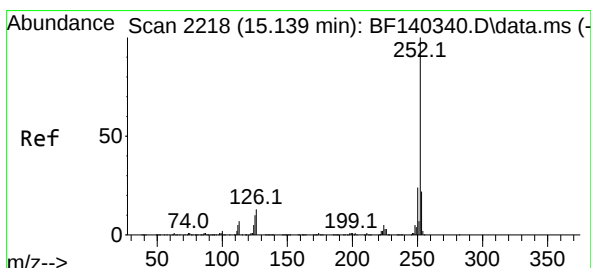
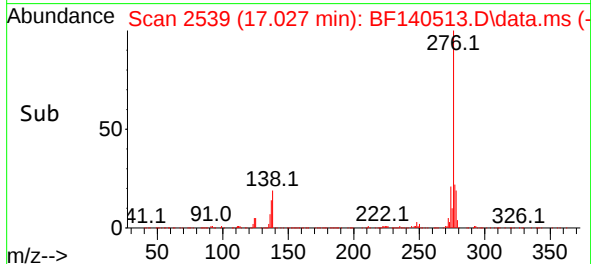
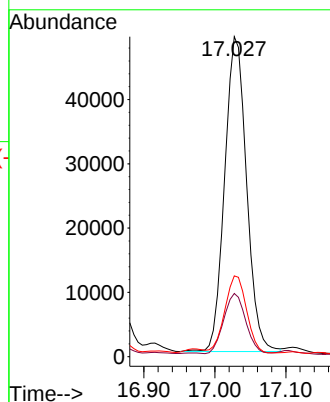
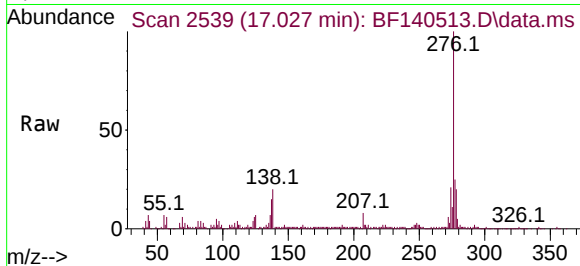
ClientSampleId :

#72-11930DL

Tgt Ion:276 Resp: 104920
Ion Ratio Lower Upper
276 100
138 19.0 18.8 28.2
277 24.3 20.2 30.2

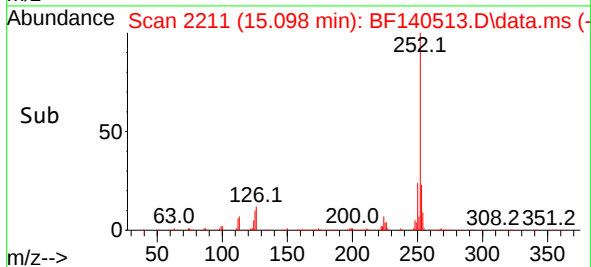
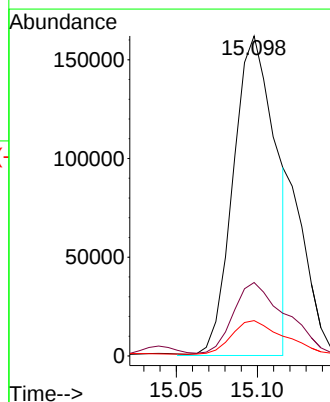
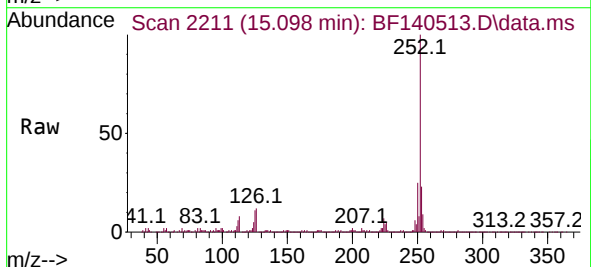
Manual Integrations
APPROVED

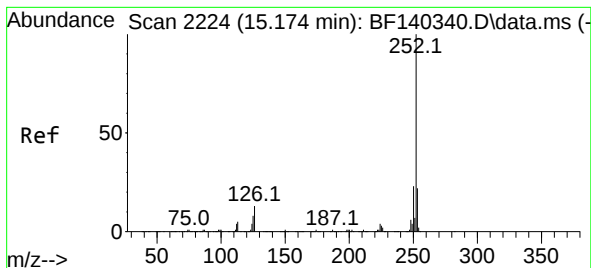
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#88
Benzo(b)fluoranthene
Concen: 25.486 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.018 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:252 Resp: 293110
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 11.1 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 7.938 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

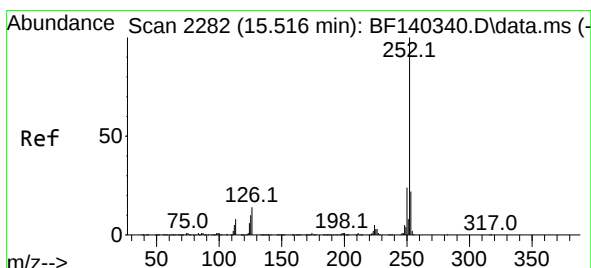
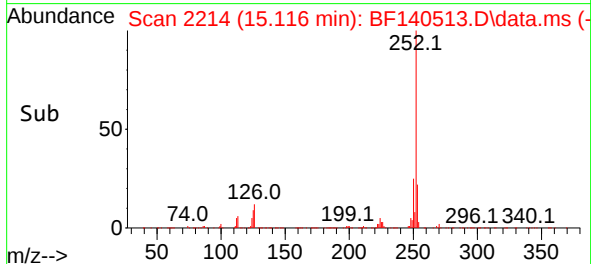
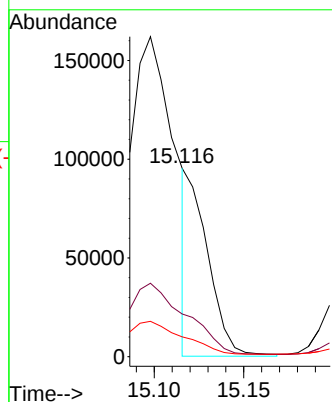
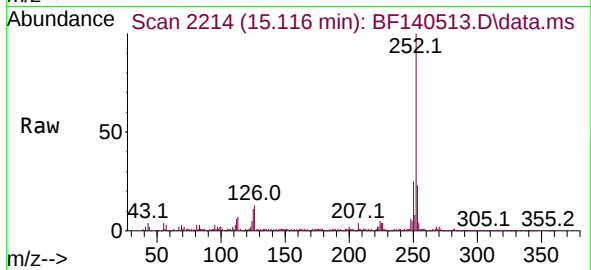
Tgt Ion:	252	Resp:	7458
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	10.5	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#90

Benzo(a)pyrene

Concen: 17.833 ng

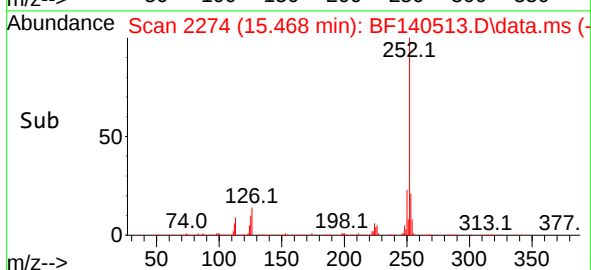
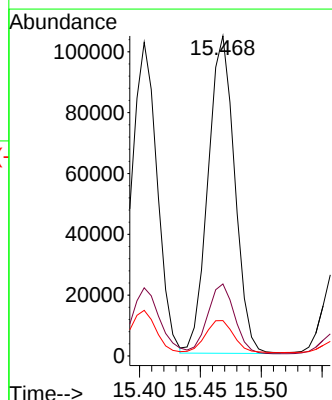
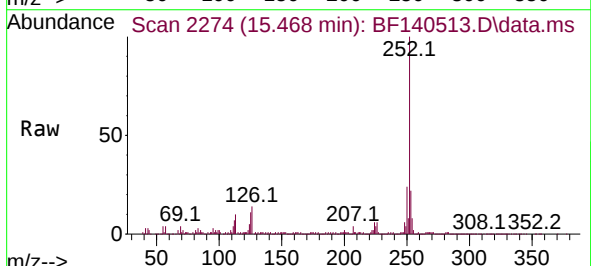
RT: 15.468 min Scan# 2274

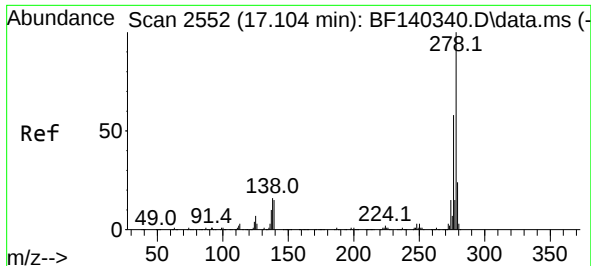
Delta R.T. -0.024 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Tgt Ion:	252	Resp:	159272
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.6
125	11.1	8.4	12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.647 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.041 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

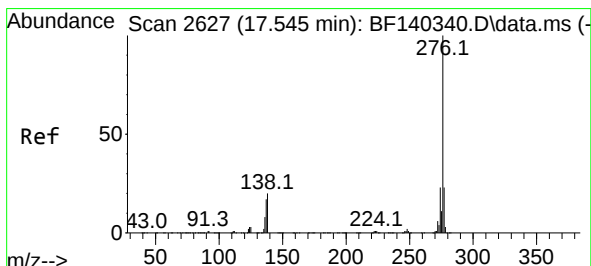
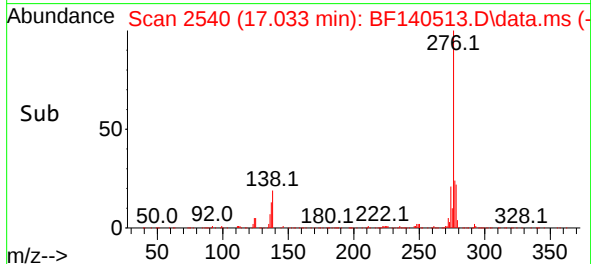
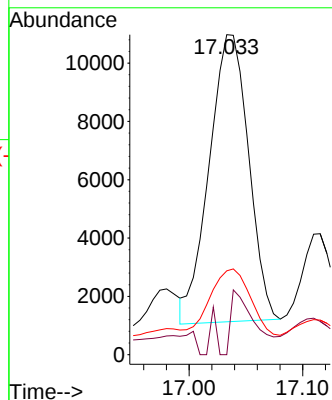
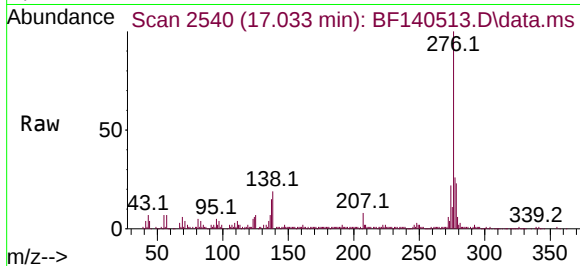
ClientSampleId :

#72-11930DL

Tgt Ion:278 Resp: 2376
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.8
279 26.2 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#92
Benzo(g,h,i)perylene
Concen: 11.069 ng
RT: 17.486 min Scan# 2617
Delta R.T. -0.029 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:276 Resp: 101583
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 20.7 16.0 24.0

