

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138797.D
 Acq On : 05 Aug 2024 21:30
 Operator : RC/JU
 Sample : P3413-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 00:57:13 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	6.846	152	35574	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	131281	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	58222	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	96827	20.000	ng	0.00
76) Chrysene-d12	14.010	240	58984	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	51276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	20094	8.719	ng	0.00
7) Phenol-d6	6.487	99	25642	8.287	ng	0.00
23) Nitrobenzene-d5	7.404	82	16172	6.023	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	4110	8.618	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	26327	6.794	ng	0.00
79) Terphenyl-d14	12.945	244	25278	7.175	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	7297	2.257	ng	94
58) Fluorene	10.428	166	16766	4.613	ng	# 97
71) Phenanthrene	11.392	178	116814	23.429	ng	100
72) Anthracene	11.439	178	24020m	4.890	ng	
73) Carbazole	11.598	167	10363	2.446	ng	# 91
75) Fluoranthene	12.580	202	94450	20.292	ng	98
78) Pyrene	12.810	202	98935	17.815	ng	99
81) Benzo(a)anthracene	13.998	228	34087	8.392	ng	93
83) Chrysene	14.033	228	26874	7.334	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.951	276	9729	2.648	ng	# 87
88) Benzo(b)fluoranthene	15.051	252	24062m	7.570	ng	
89) Benzo(k)fluoranthene	15.063	252	8396m	3.051	ng	
90) Benzo(a)pyrene	15.416	252	20987	7.850	ng	95
92) Benzo(g,h,i)perylene	17.398	276	10781	3.444	ng	# 94

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

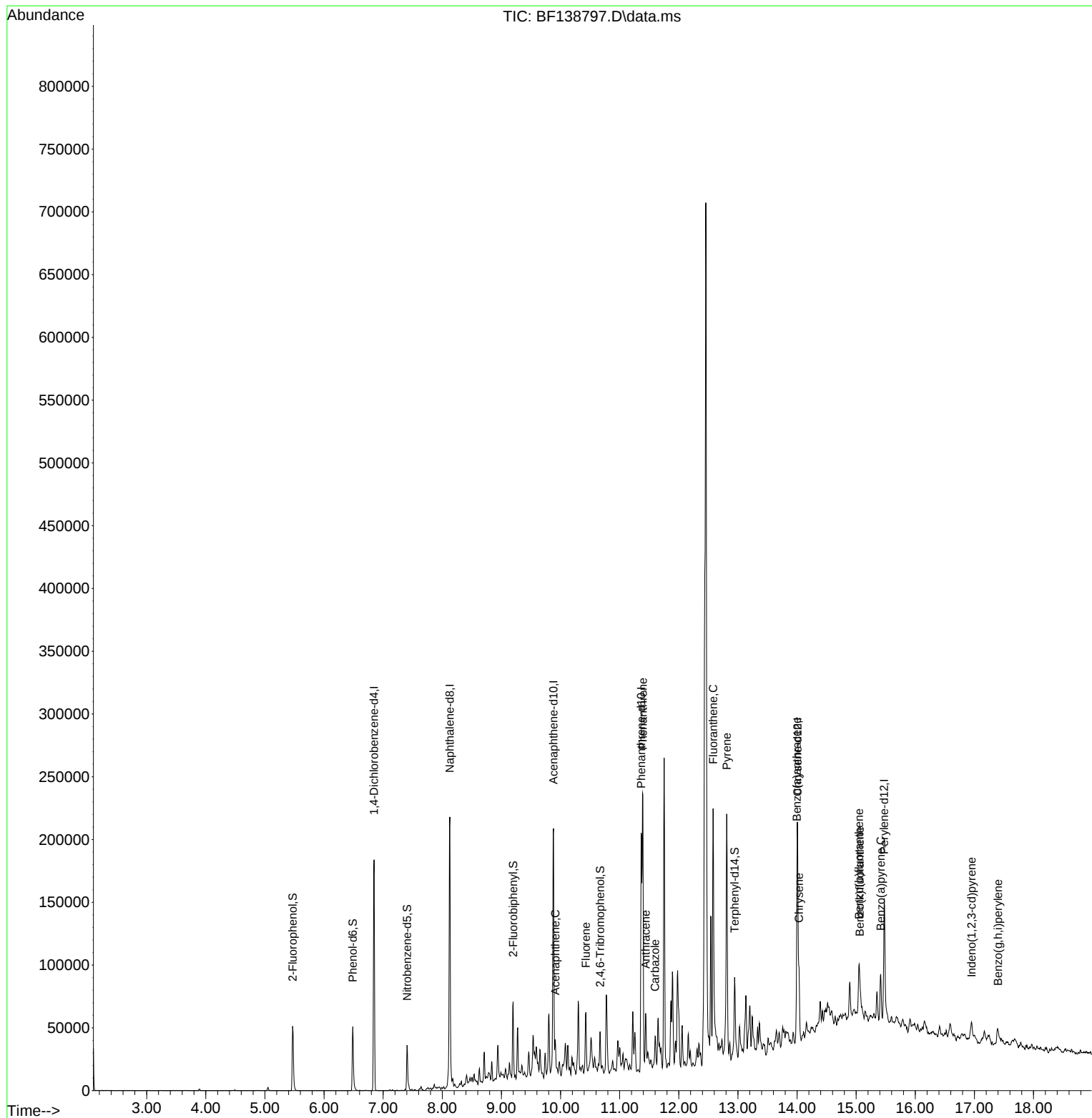
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138797.D
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Instrument :
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Quant Time: Aug 06 00:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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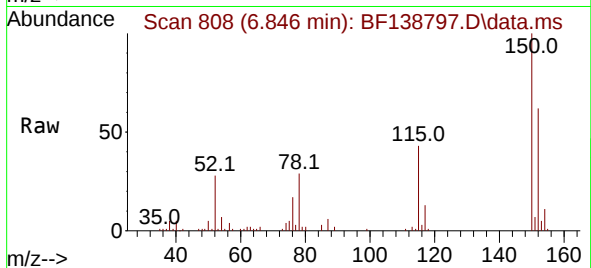
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

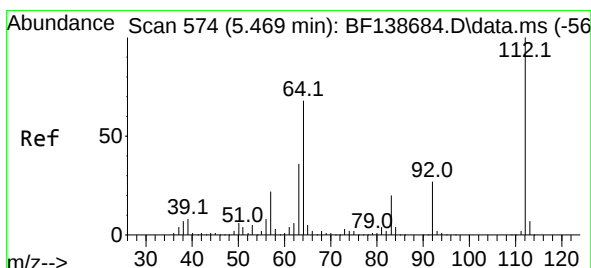
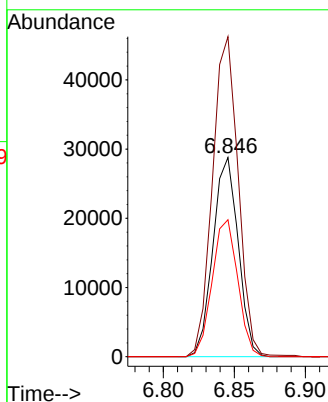
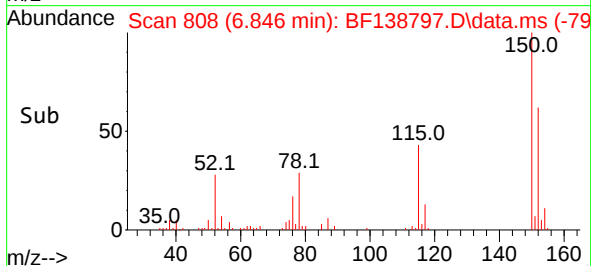
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



Tgt Ion:152 Resp: 35574
Ion Ratio Lower Upper
152 100
150 160.7 126.0 189.0
115 68.8 51.7 77.5

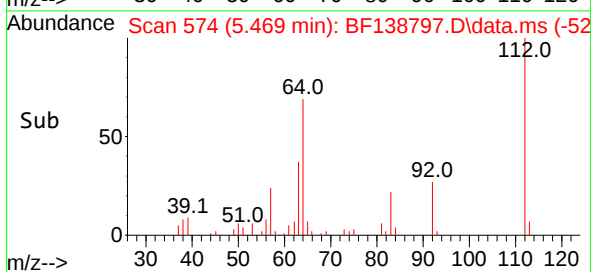
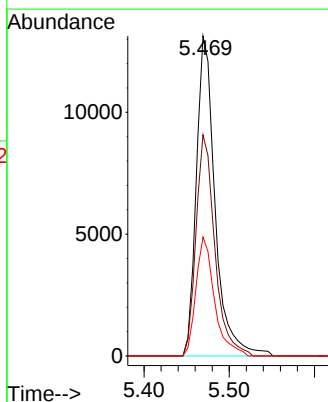
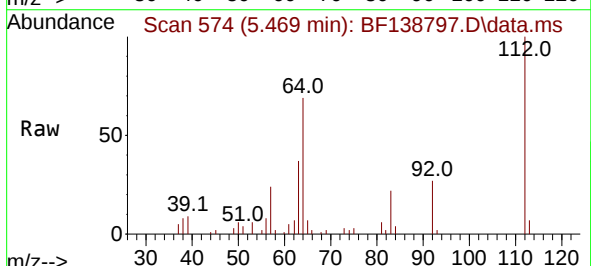
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Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 8.719 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

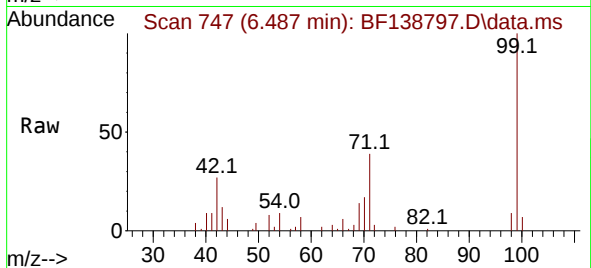
Tgt Ion:112 Resp: 20094
Ion Ratio Lower Upper
112 100
64 69.1 54.2 81.4
63 37.2 28.7 43.1





#7
Phenol-d6
Concen: 8.287 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

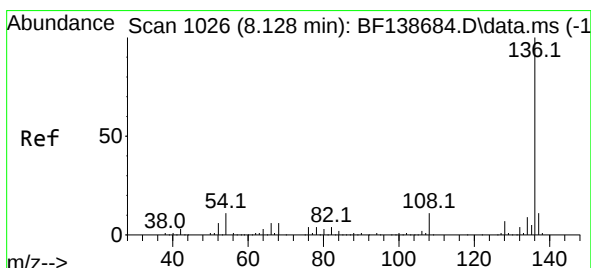
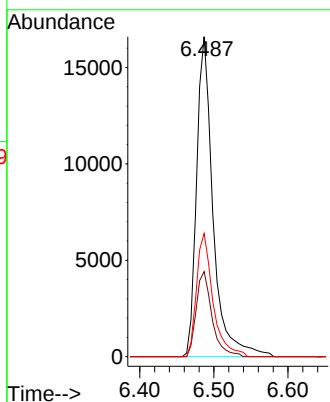
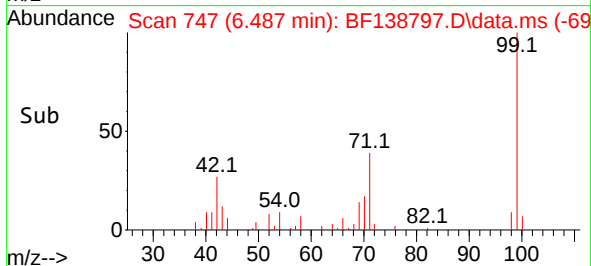
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



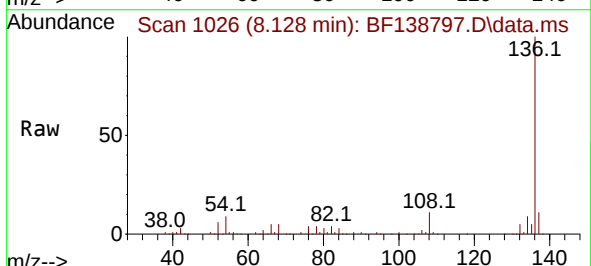
Tgt Ion: 99 Resp: 25642
Ion Ratio Lower Upper
99 100
42 26.6 17.4 26.0
71 38.5 28.1 42.1

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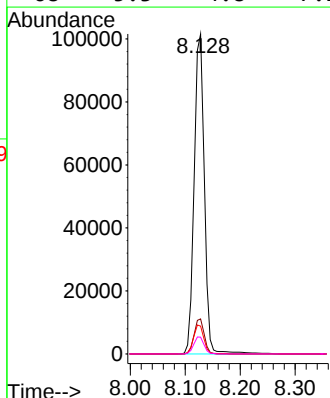
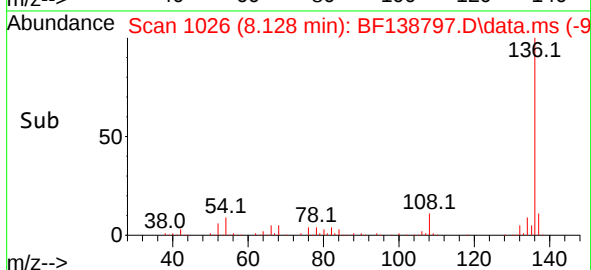
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30



Tgt Ion:136 Resp: 131281
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.7 8.6 12.8
68 5.3 4.8 7.2





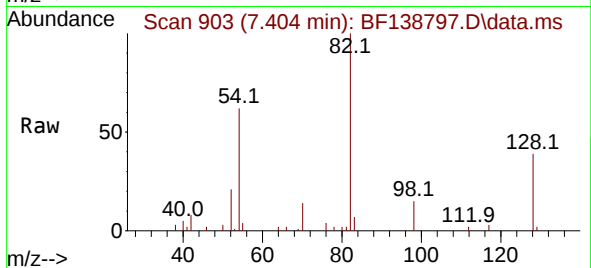
#23
Nitrobenzene-d5
Concen: 6.023 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

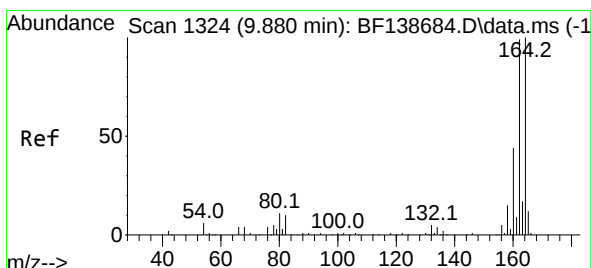
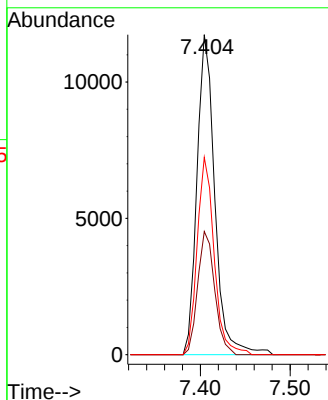
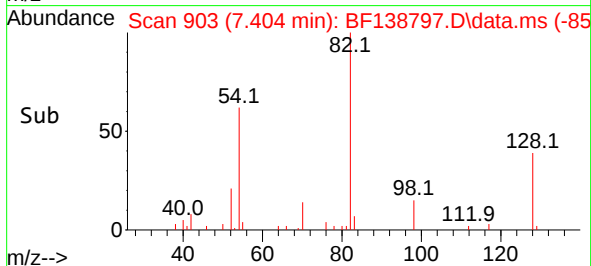


Tgt Ion: 82 Resp: 16172
Ion Ratio Lower Upper
82 100
128 38.5 32.8 49.2
54 61.7 48.3 72.5

Manual Integrations

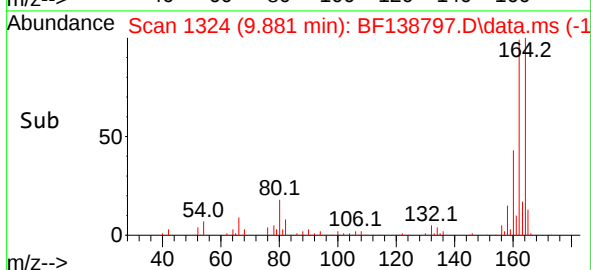
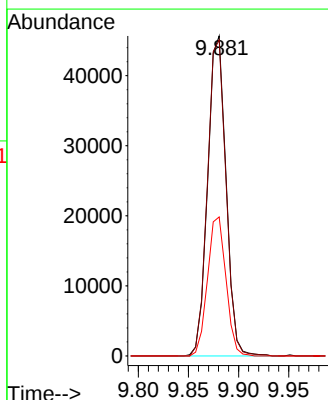
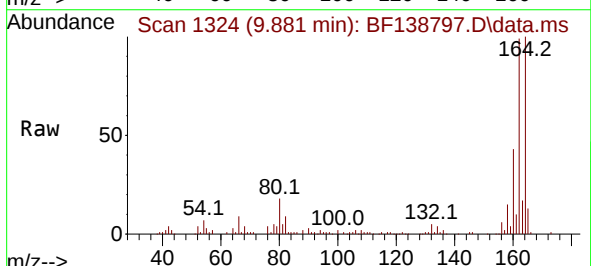
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Supervised By :mohammad ahmed 08/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

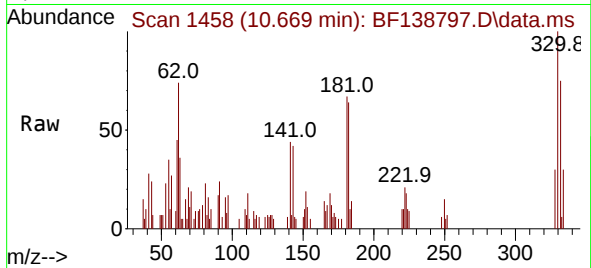
Tgt Ion:164 Resp: 58222
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.0
160 43.4 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 8.618 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

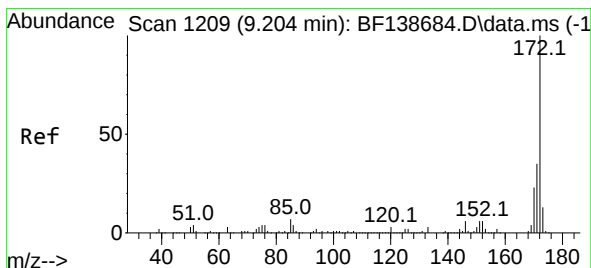
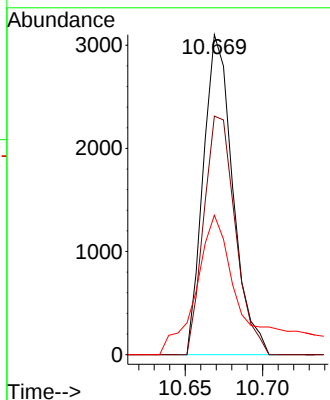
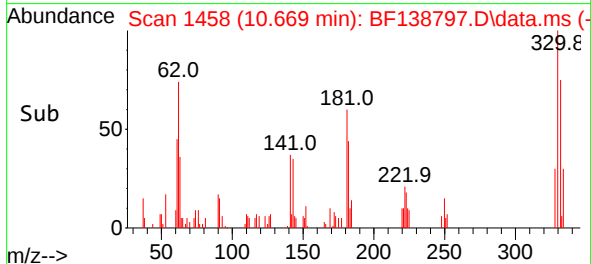
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



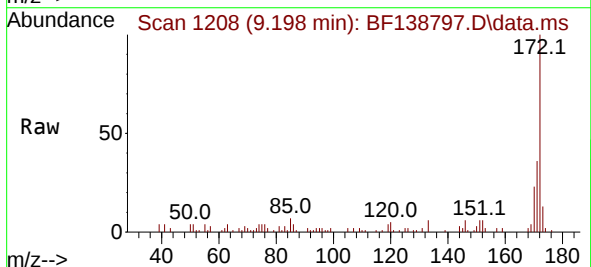
Tgt Ion: 330 Resp: 4110
Ion Ratio Lower Upper
330 100
332 79.7 76.4 114.6
141 69.1 31.1 46.7

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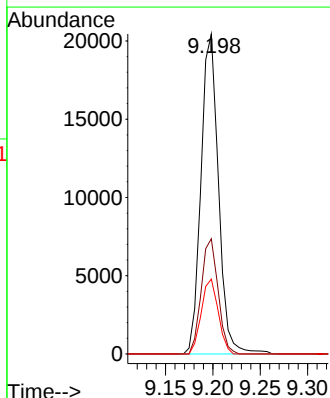
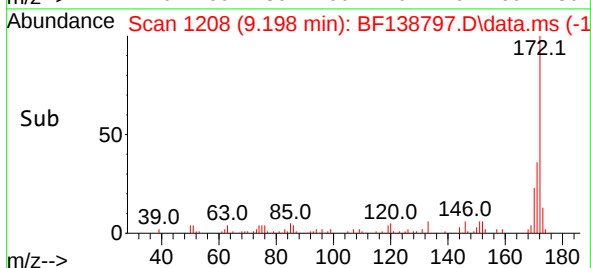
Reviewed By : Jagrut Upadhyay 08/06/2024
Supervised By : mohammad ahmed 08/07/2024

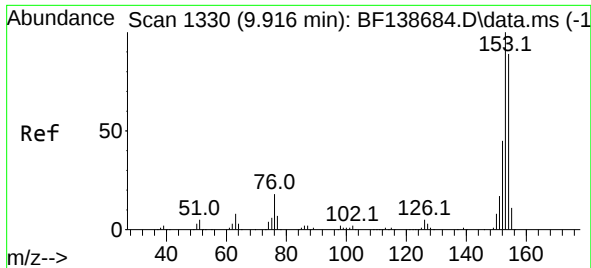


#45
2-Fluorobiphenyl
Concen: 6.794 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30



Tgt Ion: 172 Resp: 26327
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.4 18.8 28.2





#52
Acenaphthene
Concen: 2.257 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

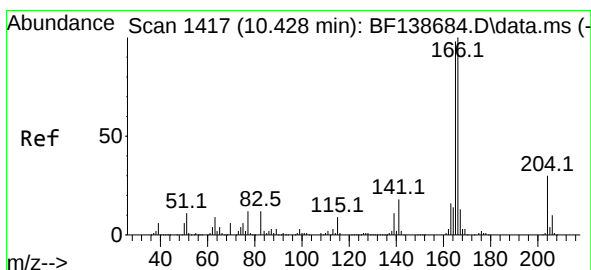
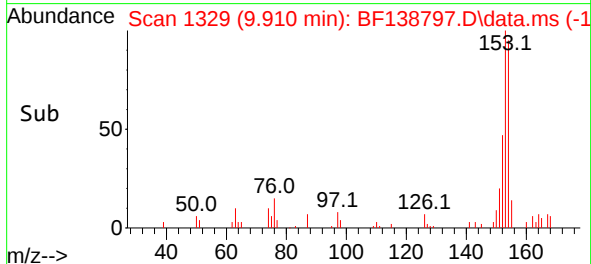
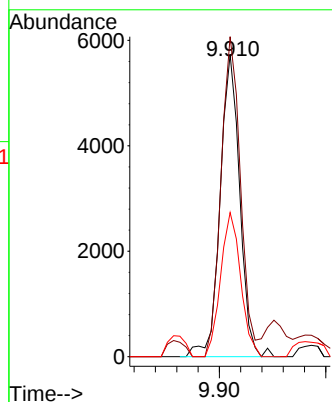
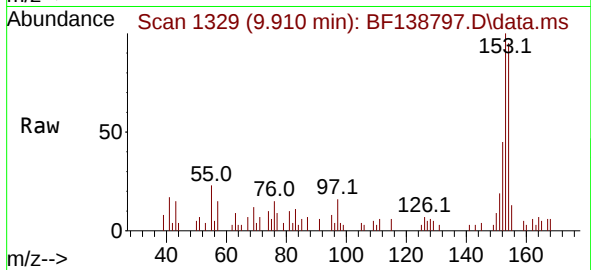
EO-02-073124DL

Tgt Ion:154 Resp: 729
Ion Ratio Lower Upper
154 100
153 105.8 89.9 134.9
152 47.7 40.6 60.8

Manual Integrations

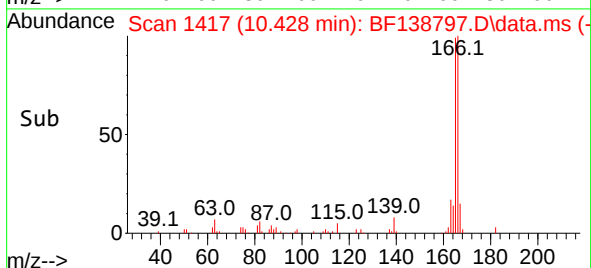
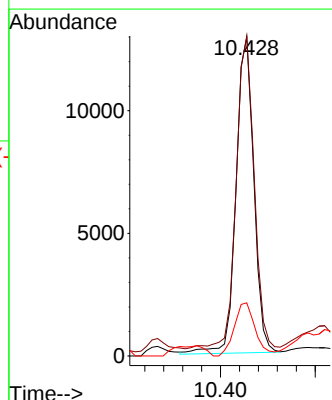
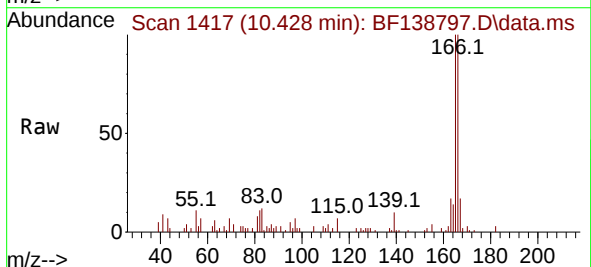
APPROVED

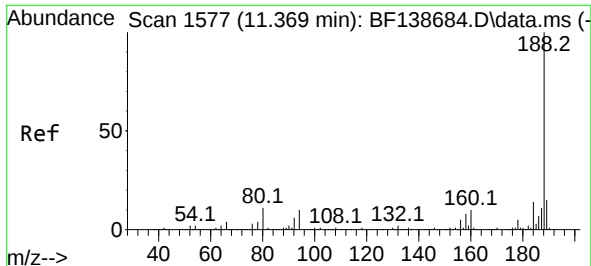
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#58
Fluorene
Concen: 4.613 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

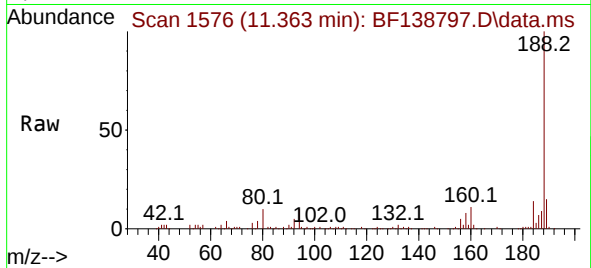
Tgt Ion:166 Resp: 16766
Ion Ratio Lower Upper
166 100
165 100.3 78.4 117.6
167 16.7 10.6 16.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

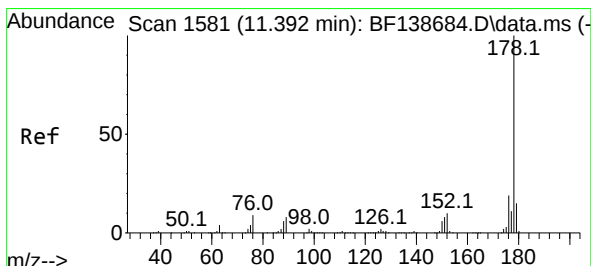
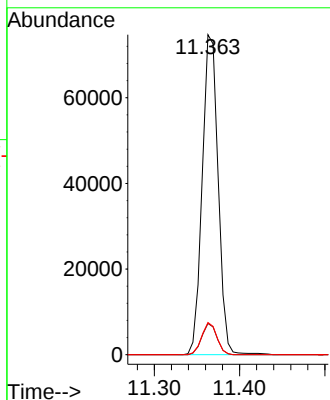
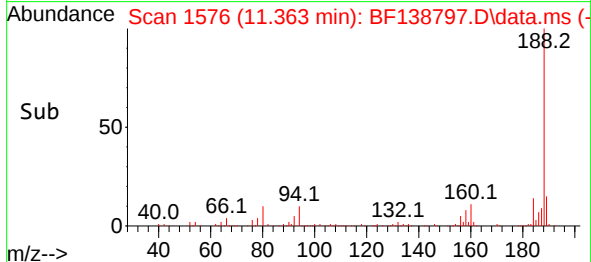
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



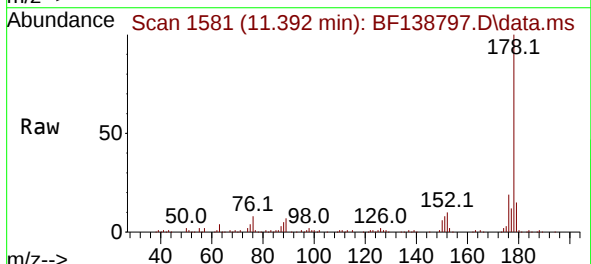
Tgt Ion:188 Resp: 9682
Ion Ratio Lower Upper
188 100
94 9.7 7.6 11.4
80 10.0 8.6 12.8

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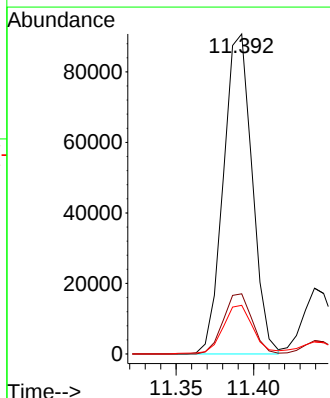
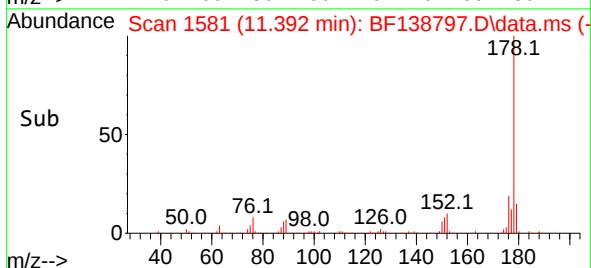
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

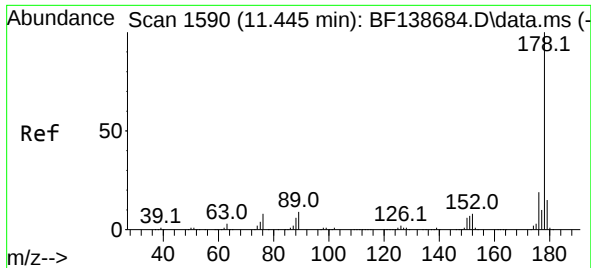


#71
Phenanthrene
Concen: 23.429 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30



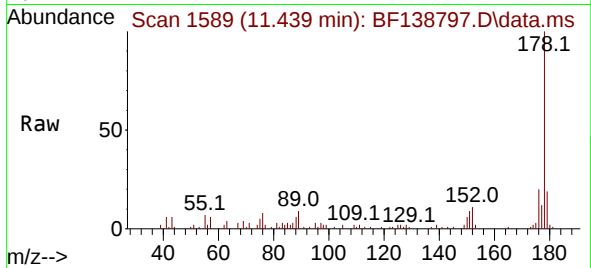
Tgt Ion:178 Resp: 116814
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.2 12.2 18.2





#72
 Anthracene
 Concen: 4.890 ng m
 RT: 11.439 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF138797.D
 Acq: 05 Aug 2024 21:30

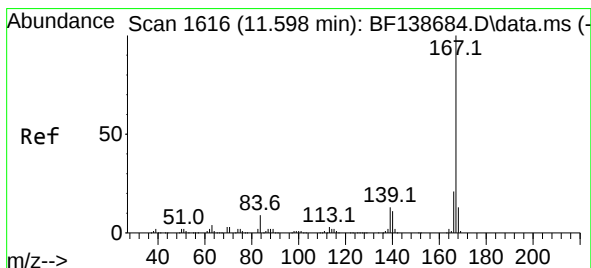
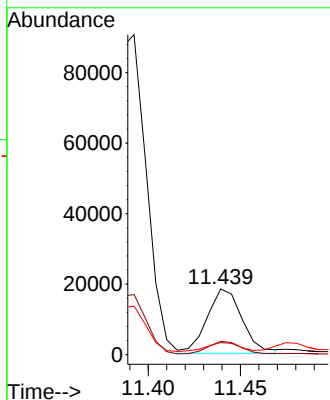
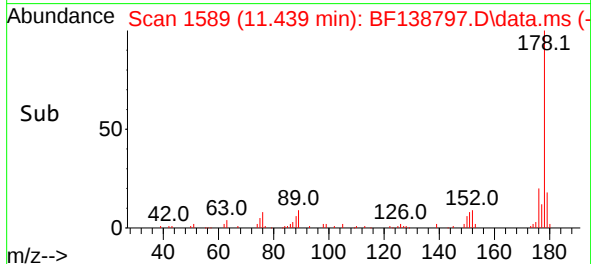
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124DL



Tgt Ion:178 Resp: 24020
 Ion Ratio Lower Upper
 178 100
 176 20.3 14.9 22.3
 179 18.6 12.4 18.6

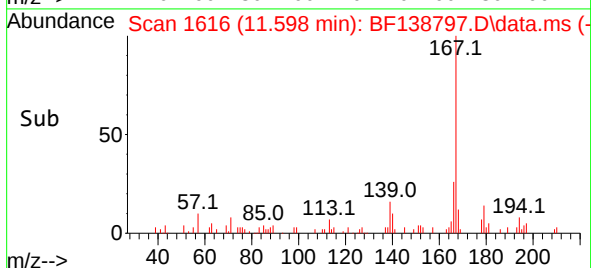
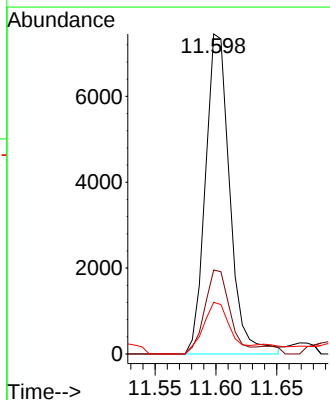
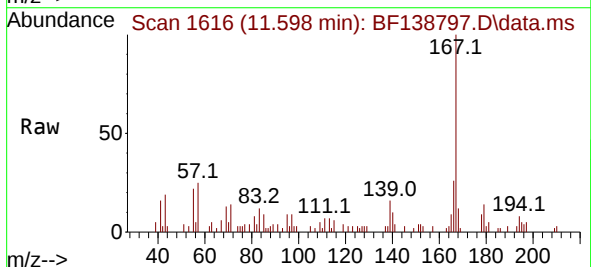
Manual Integrations
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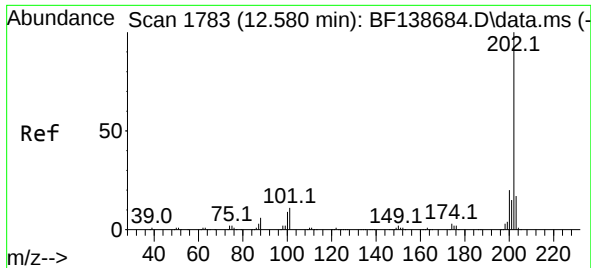
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024



#73
 Carbazole
 Concen: 2.446 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF138797.D
 Acq: 05 Aug 2024 21:30

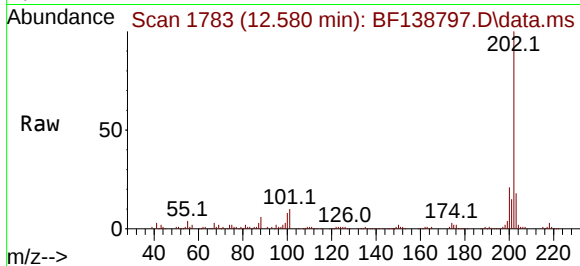
Tgt Ion:167 Resp: 10363
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.2 25.8#
 139 16.2 10.6 16.0#





#75
Fluoranthene
Concen: 20.292 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

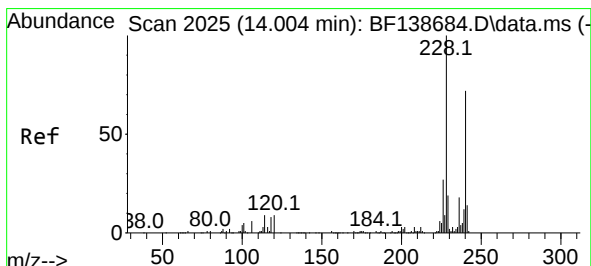
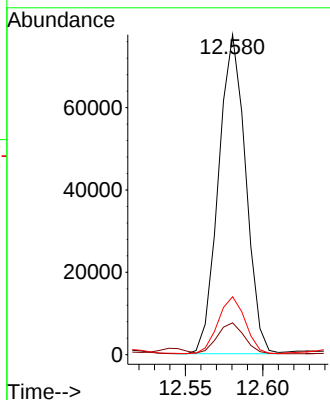
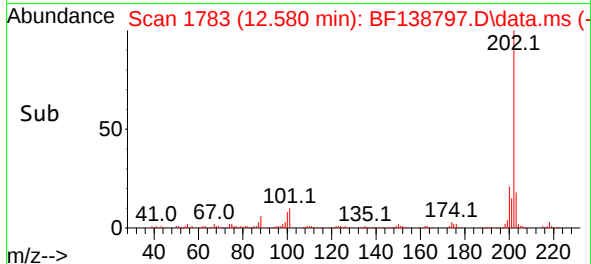
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



Tgt Ion:202 Resp: 94450
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.2
203 18.1 0.0 37.3

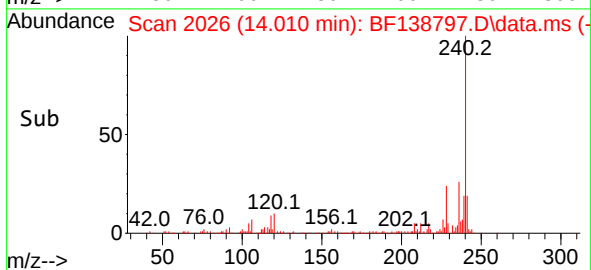
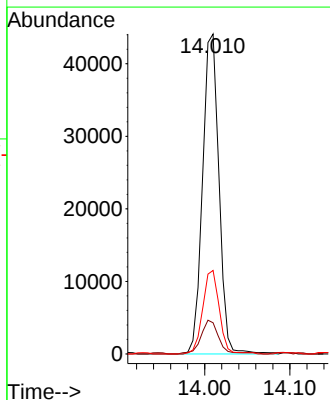
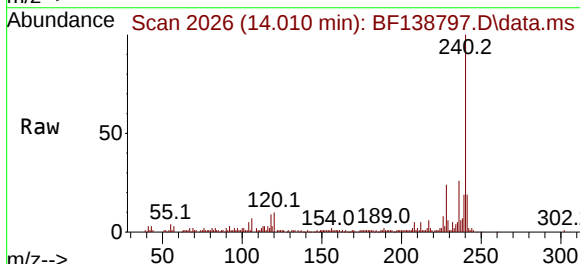
Manual Integrations
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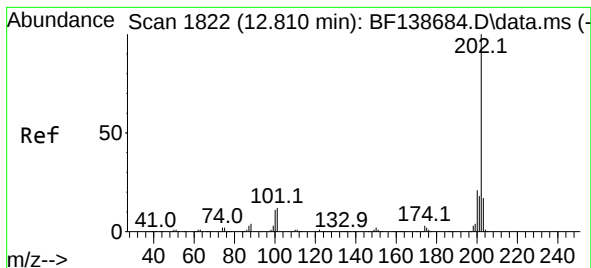
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Tgt Ion:240 Resp: 58984
Ion Ratio Lower Upper
240 100
120 9.8 10.2 15.4#
236 26.1 19.8 29.8





#78

Pyrene

Concen: 17.815 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

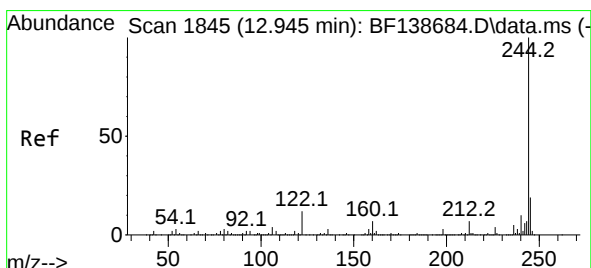
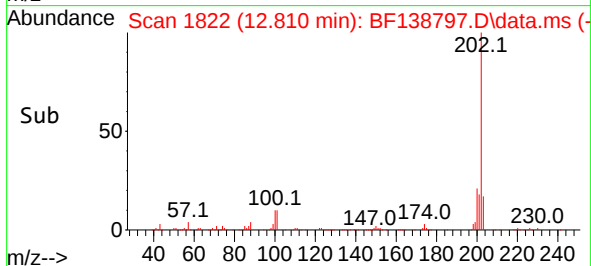
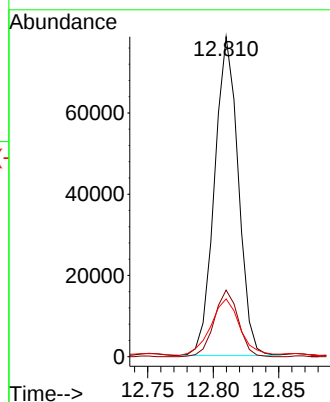
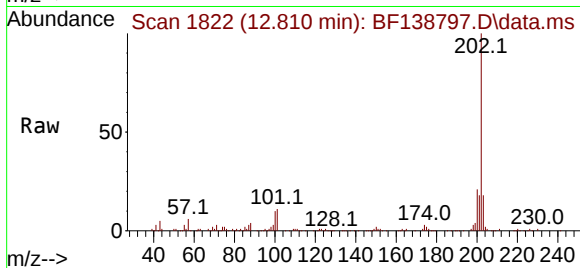
EO-02-073124DL

Tgt Ion:	202	Resp:	9893
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	18.1	13.8	20.6

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 7.175 ng

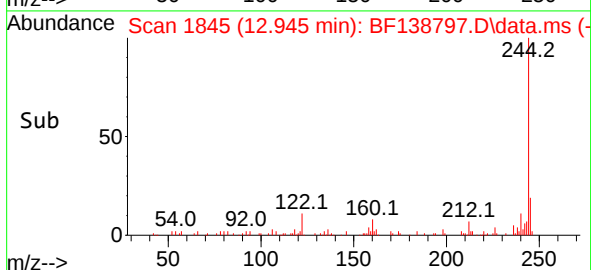
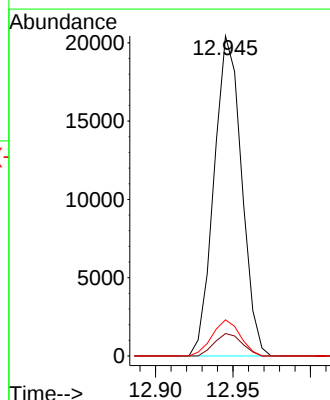
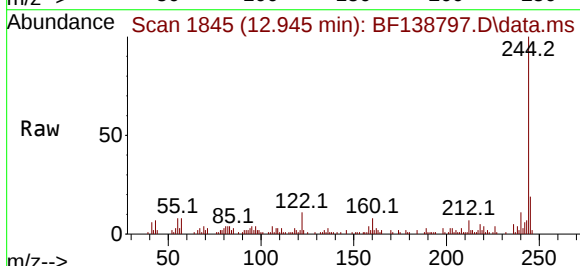
RT: 12.945 min Scan# 1845

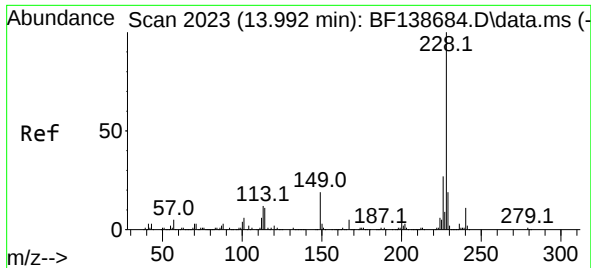
Delta R.T. 0.000 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

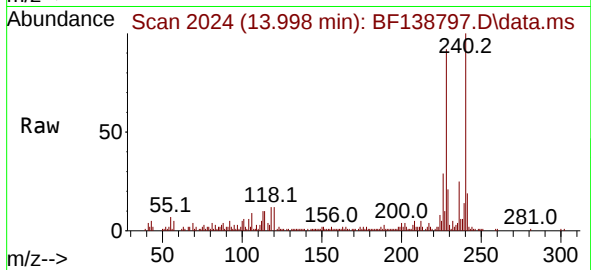
Tgt Ion:	244	Resp:	25278
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	11.3	9.6	14.4





#81
Benzo(a)anthracene
Concen: 8.392 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

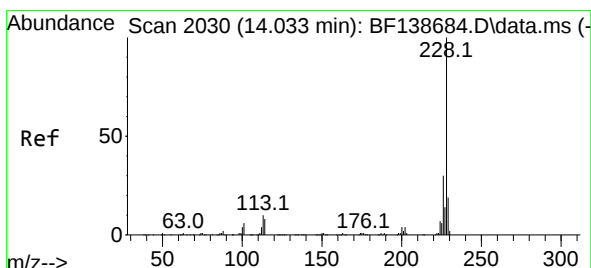
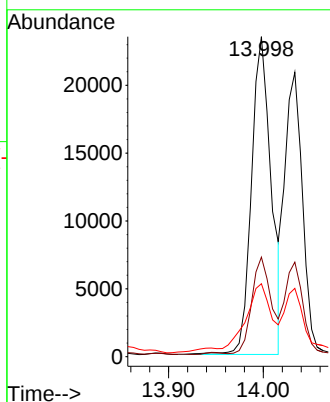
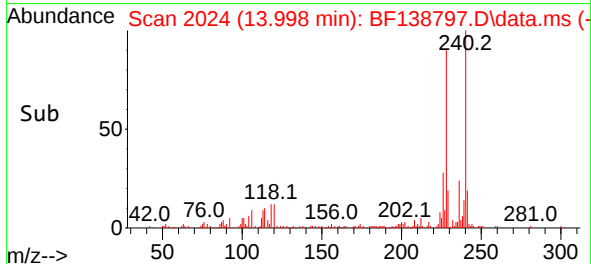
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



Tgt Ion:228 Resp: 3408
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 22.8 15.4 23.0

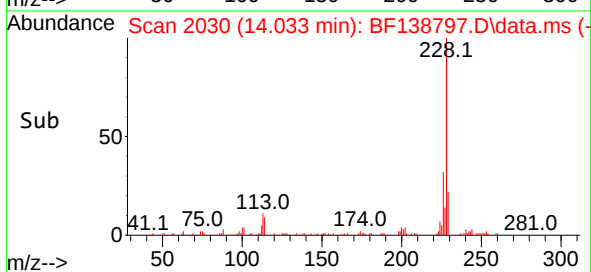
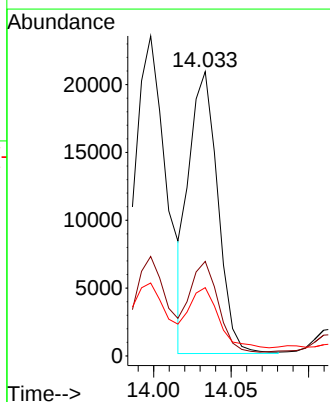
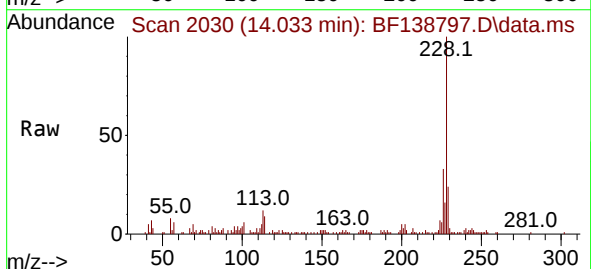
Manual Integrations
APPROVED

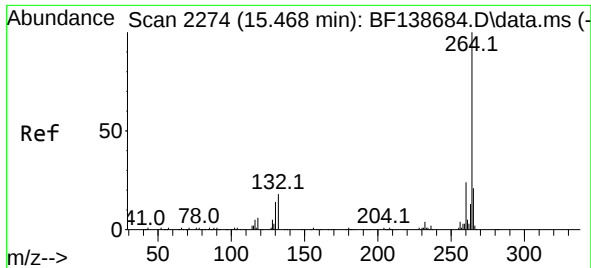
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#83
Chrysene
Concen: 7.334 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

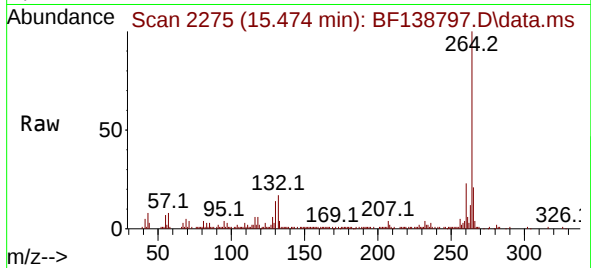
Tgt Ion:228 Resp: 26874
Ion Ratio Lower Upper
228 100
226 33.2 23.7 35.5
229 24.0 15.0 22.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

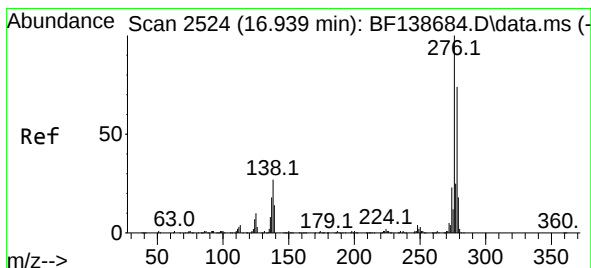
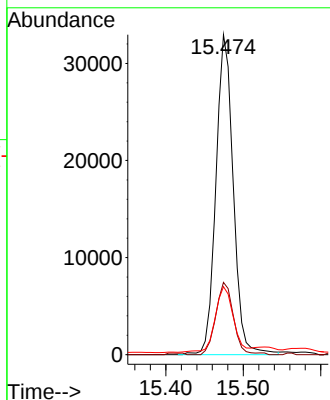
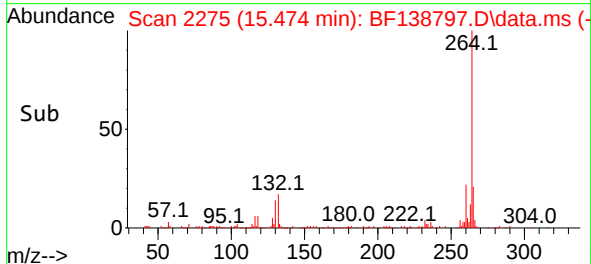
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL



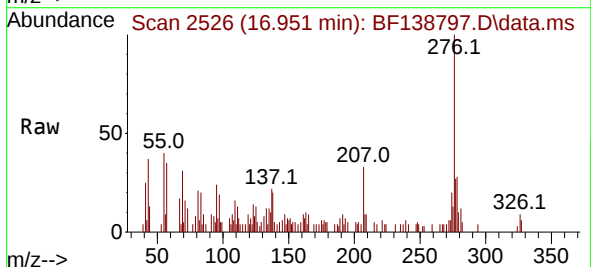
Tgt Ion:264 Resp: 51270
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 21.2 17.0 25.6

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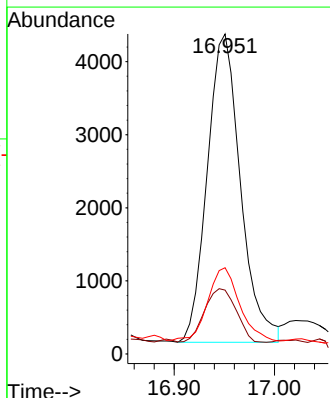
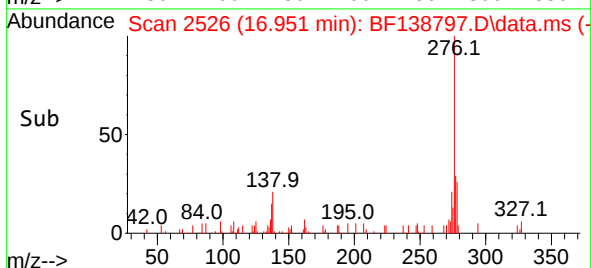
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

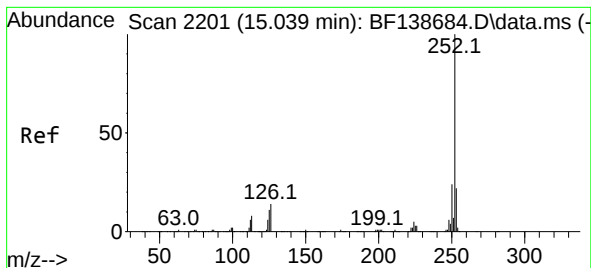


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.648 ng
RT: 16.951 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30



Tgt Ion:276 Resp: 9729
Ion Ratio Lower Upper
276 100
138 17.6 21.8 32.8#
277 22.6 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 7.570 ng m

RT: 15.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

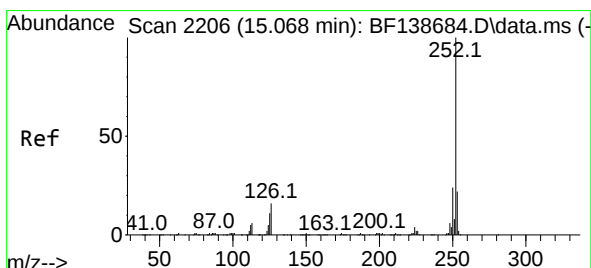
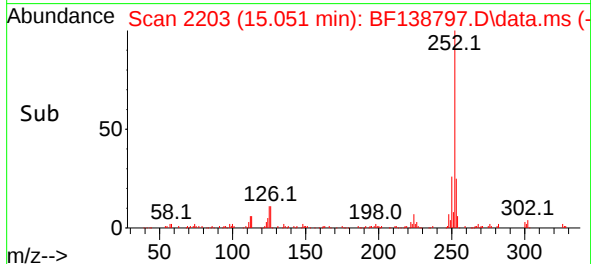
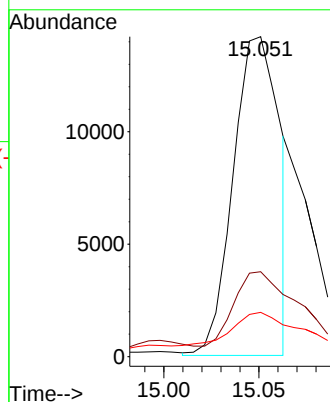
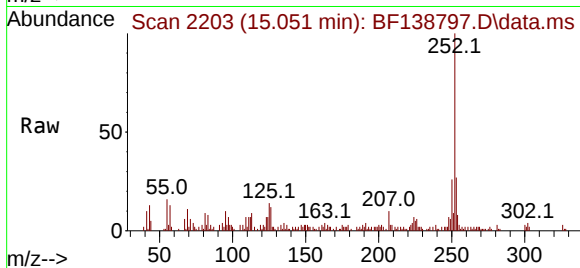
EO-02-073124DL

Tgt Ion:	252	Resp:	2406
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.5	26.3
125	13.9	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: 3.051 ng m

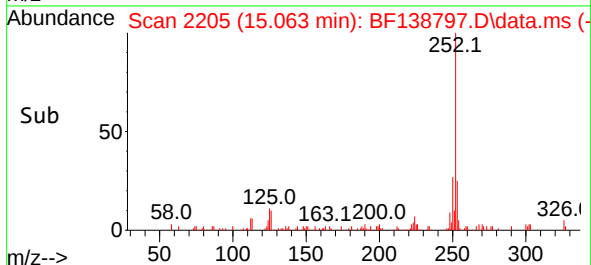
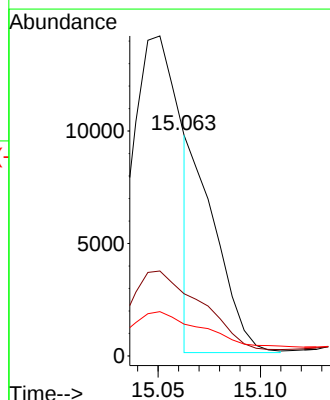
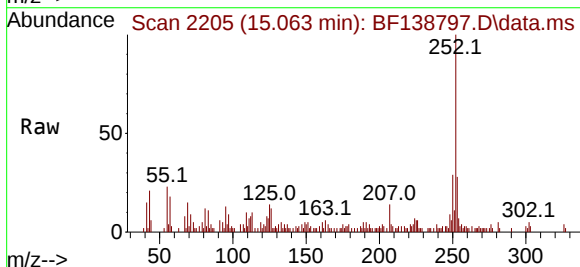
RT: 15.063 min Scan# 2205

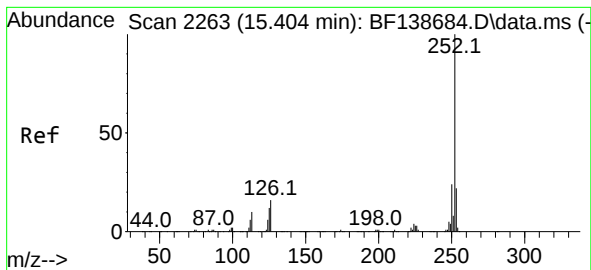
Delta R.T. -0.006 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Tgt Ion:	252	Resp:	8396
Ion Ratio	Lower	Upper	
252	100		
253	28.2	17.4	26.0
125	14.4	8.6	13.0





#90

Benzo(a)pyrene

Concen: 7.850 ng

RT: 15.416 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

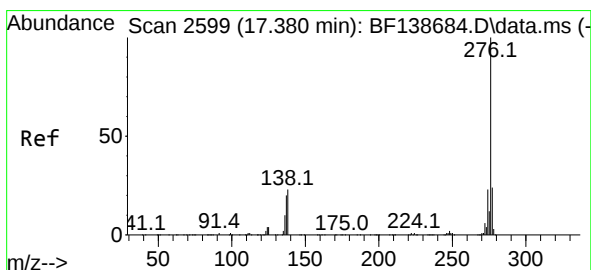
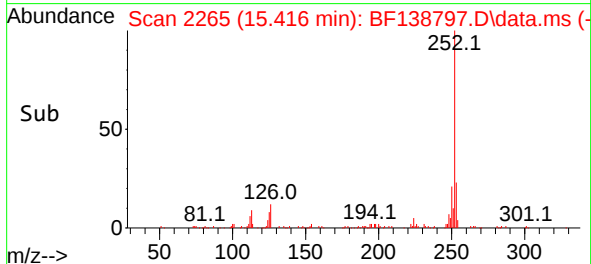
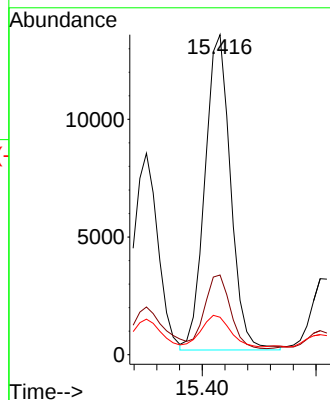
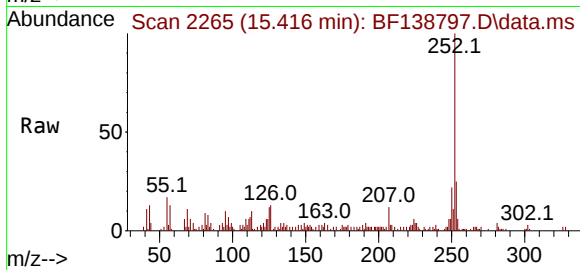
EO-02-073124DL

Tgt Ion:	252	Resp:	2098
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.3	25.9
125	11.7	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: 3.444 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Tgt Ion:	276	Resp:	10781
Ion Ratio	Lower	Upper	
276	100		
277	28.5	19.0	28.4#
138	24.4	18.5	27.7

