

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138793.D
 Acq On : 05 Aug 2024 19:17
 Operator : RC/JU
 Sample : P3448-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 00:55:56 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	39308	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	137958	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	59656	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	92035	20.000	ng	0.00
76) Chrysene-d12	14.010	240	56185	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	49319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	42892	16.844	ng	0.00
7) Phenol-d6	6.481	99	53773	15.728	ng	0.00
23) Nitrobenzene-d5	7.404	82	33343	11.817	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	6899	14.118	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	52460	13.213	ng	0.00
79) Terphenyl-d14	12.945	244	48315	14.397	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	34848	7.353	ng	98
75) Fluoranthene	12.580	202	98688	22.306	ng	98
78) Pyrene	12.810	202	89607	16.939	ng	99
81) Benzo(a)anthracene	13.998	228	41195	10.647	ng	97
83) Chrysene	14.033	228	32973	9.446	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	17310	4.898	ng	# 90
88) Benzo(b)fluoranthene	15.051	252	39649m	12.969	ng	
89) Benzo(k)fluoranthene	15.063	252	13842m	5.229	ng	
90) Benzo(a)pyrene	15.410	252	29625	11.520	ng	96
92) Benzo(g,h,i)perylene	17.392	276	17317	5.752	ng	97

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

Manual Integrations APPROVED

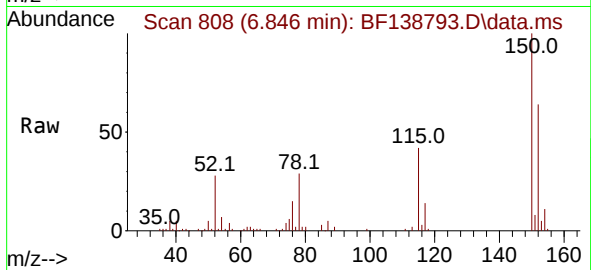
Quant Time: Aug 06 00:55:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

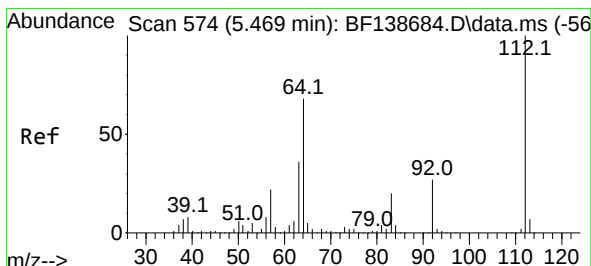
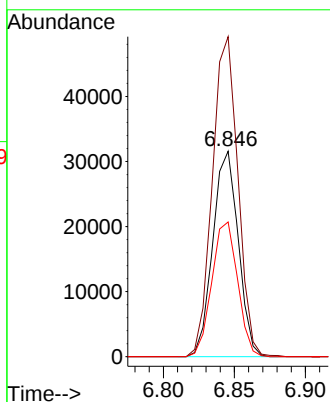
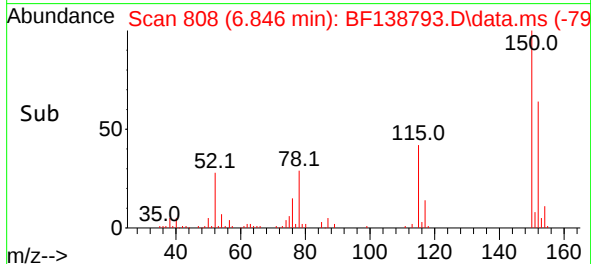
Instrument :
BNA_F
ClientSampleId :
TP1



Tgt Ion:152 Resp: 39308
Ion Ratio Lower Upper
152 100
150 155.7 126.0 189.0
115 65.5 51.7 77.5

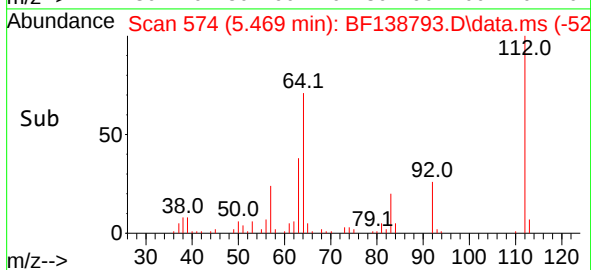
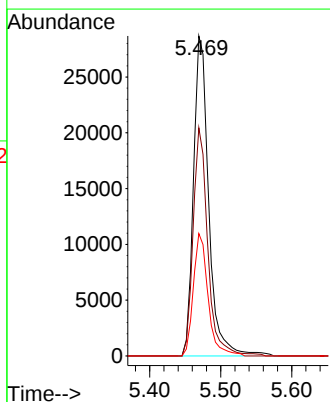
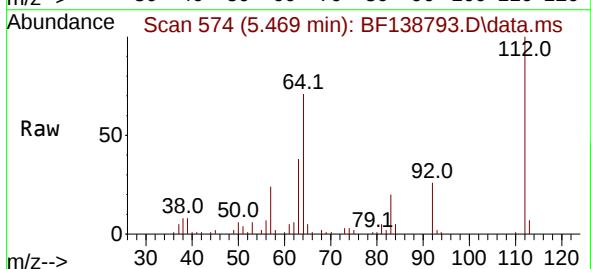
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Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 16.844 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:112 Resp: 42892
Ion Ratio Lower Upper
112 100
64 71.3 54.2 81.4
63 38.2 28.7 43.1





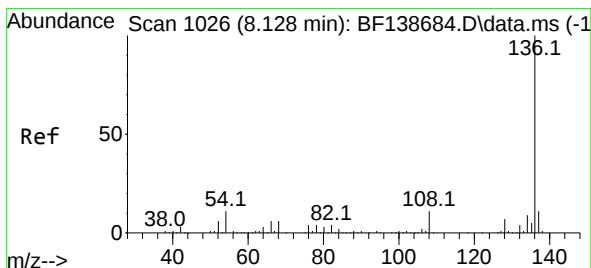
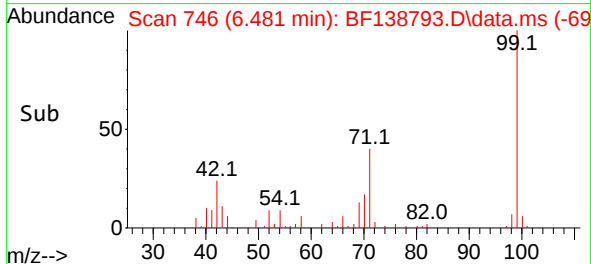
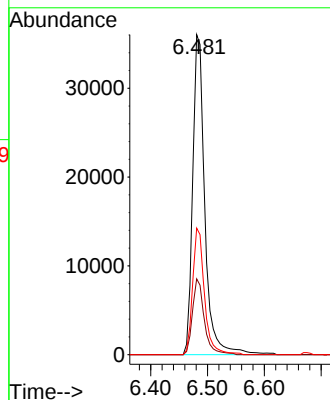
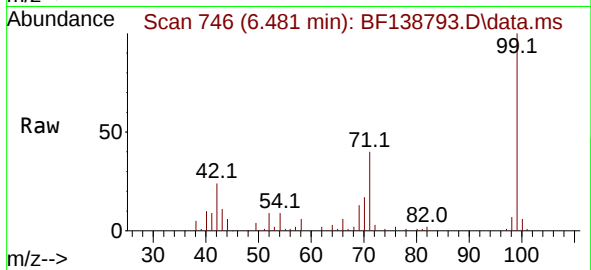
#7
Phenol-d6
Concen: 15.728 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Instrument :
BNA_F
ClientSampleId :
TP1

Tgt Ion: 99 Resp: 5377
Ion Ratio Lower Upper
99 100
42 23.7 17.4 26.0
71 39.5 28.1 42.1

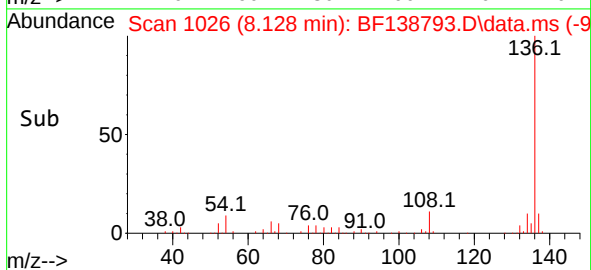
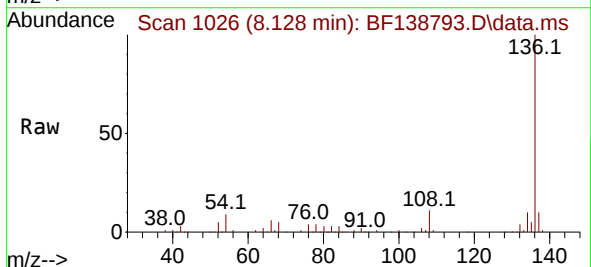
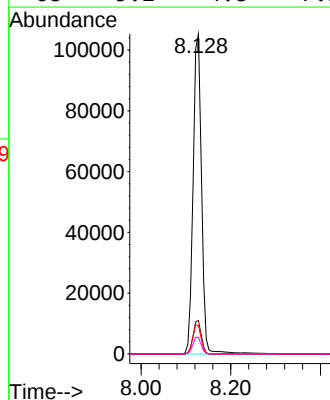
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:136 Resp: 137958
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 8.9 8.6 12.8
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 11.817 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

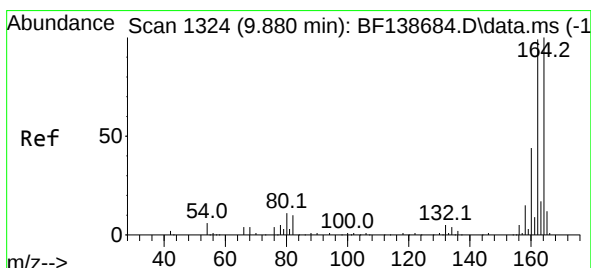
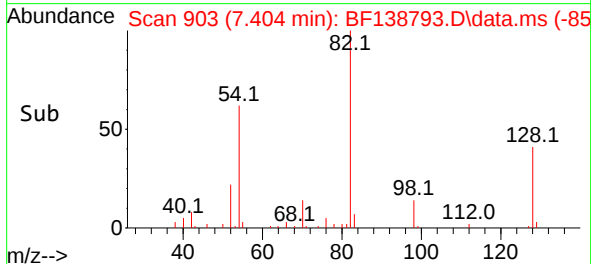
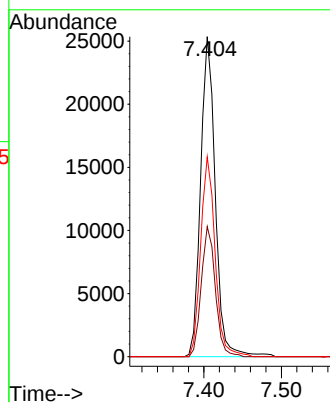
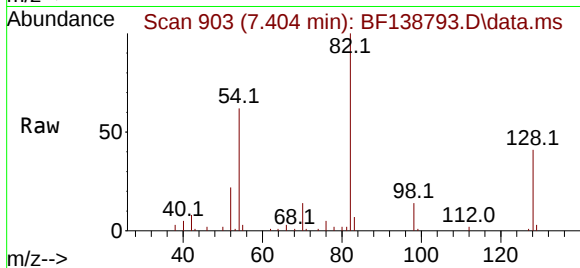
TP1

Tgt Ion: 82	Resp: 3334
Ion Ratio	Lower Upper
82	100
128	40.6 32.8 49.2
54	62.4 48.3 72.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

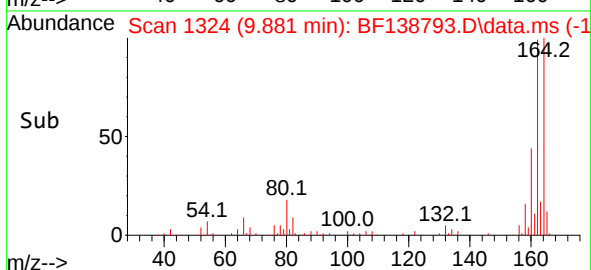
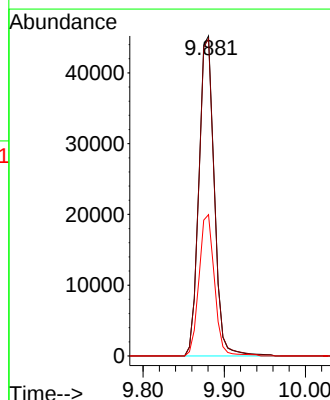
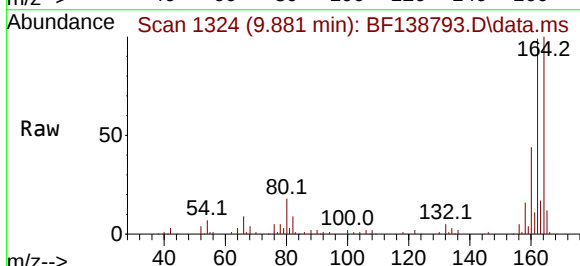
RT: 9.881 min Scan# 1324

Delta R.T. 0.001 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

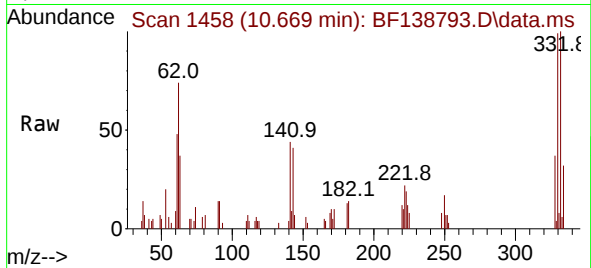
Tgt Ion:164	Resp: 59656
Ion Ratio	Lower Upper
164	100
162	99.2 79.4 119.0
160	44.2 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 14.118 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

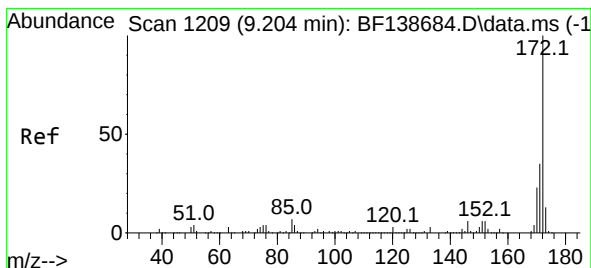
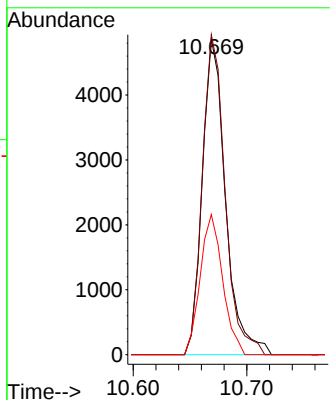
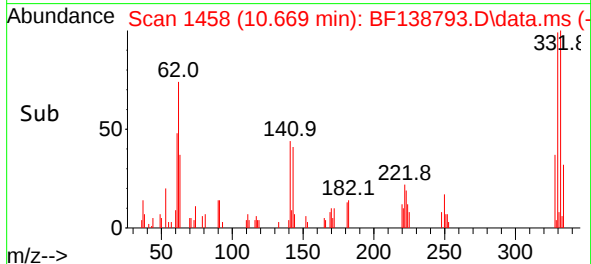
Instrument :
BNA_F
ClientSampleId :
TP1



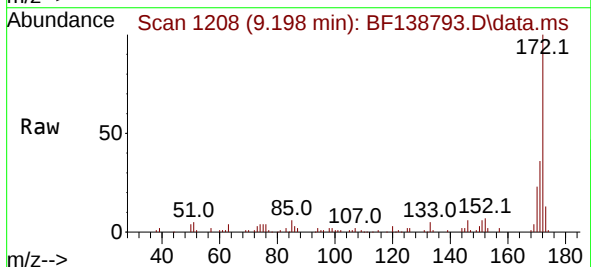
Tgt Ion: 330 Resp: 689
Ion Ratio Lower Upper
330 100
332 99.6 76.4 114.6
141 43.0 31.1 46.7

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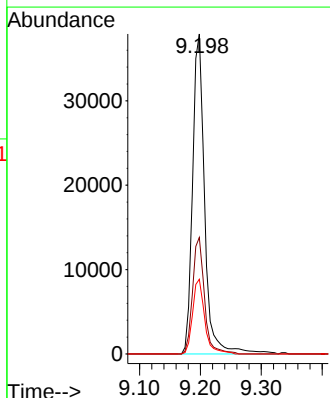
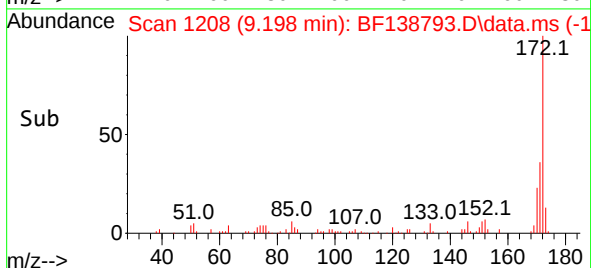
Reviewed By : Jagrut Upadhyay 08/06/2024
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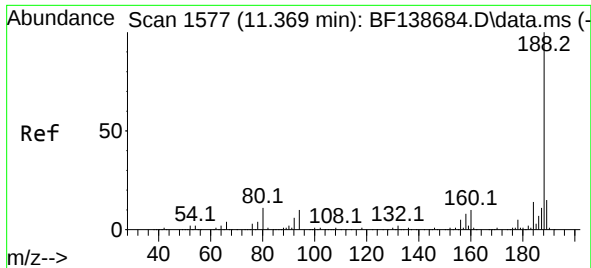


#45
2-Fluorobiphenyl
Concen: 13.213 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



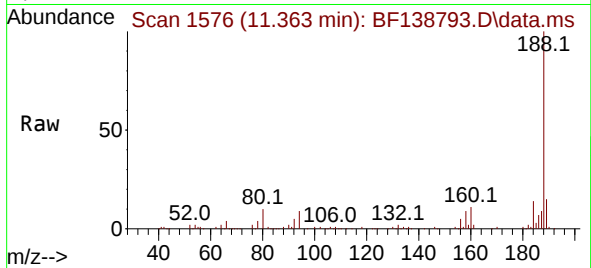
Tgt Ion: 172 Resp: 52460
Ion Ratio Lower Upper
172 100
171 36.4 28.3 42.5
170 23.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

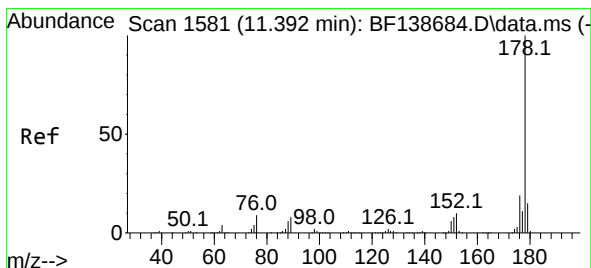
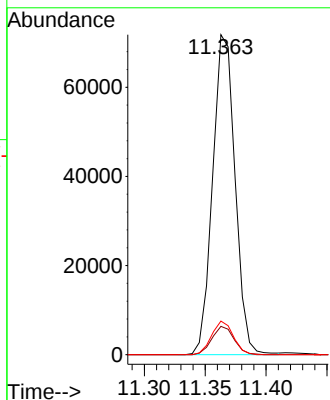
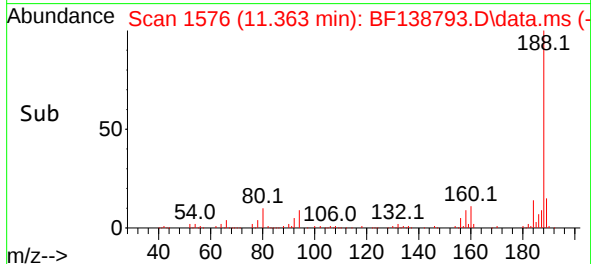
Instrument :
BNA_F
ClientSampleId :
TP1



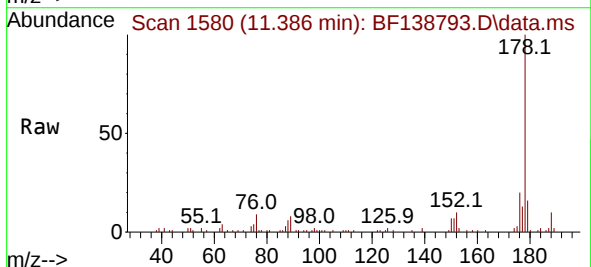
Tgt Ion:188 Resp: 92035
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 10.5 8.6 12.8

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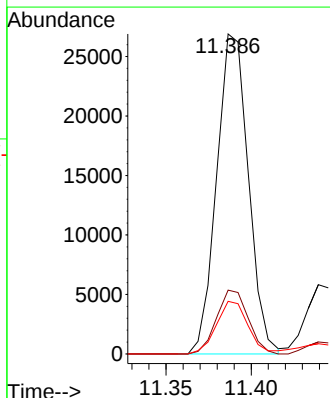
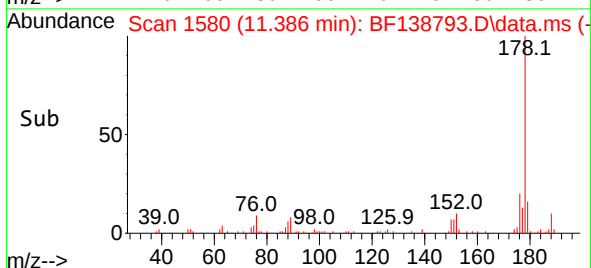
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

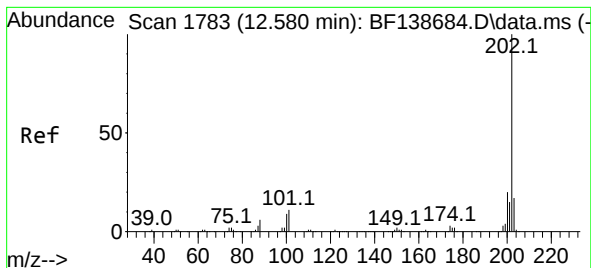


#71
Phenanthrene
Concen: 7.353 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



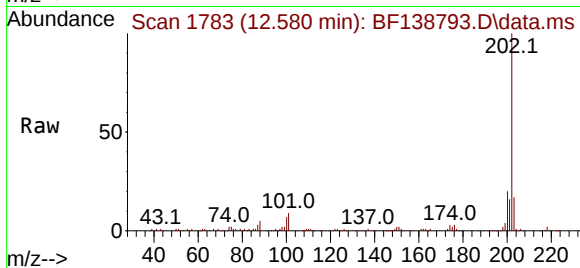
Tgt Ion:178 Resp: 34848
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 16.5 12.2 18.2





#75
Fluoranthene
Concen: 22.306 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

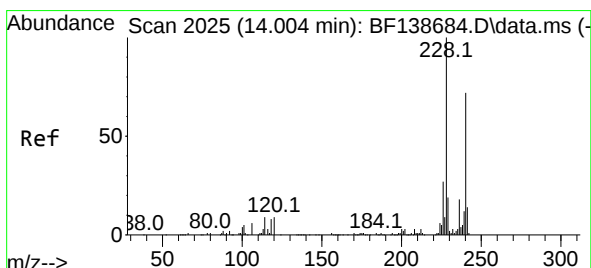
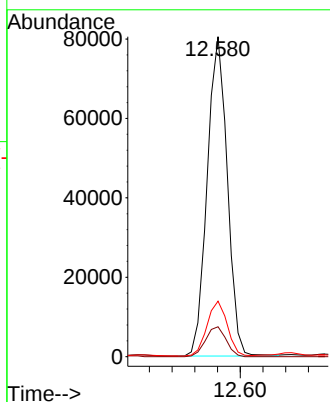
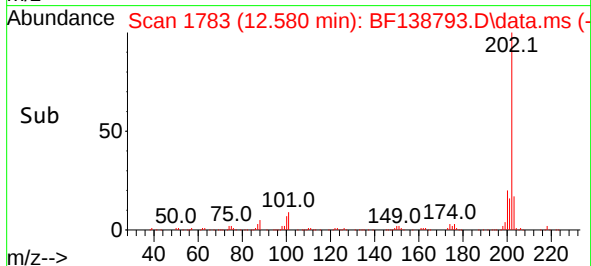
Instrument :
BNA_F
ClientSampleId :
TP1



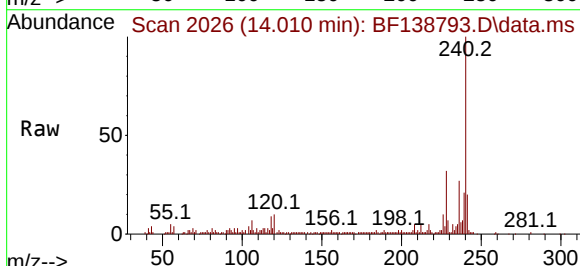
Tgt Ion:202 Resp: 9868
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.2
203 17.3 0.0 37.3

Manual Integrations
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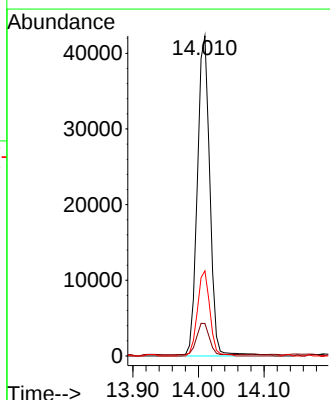
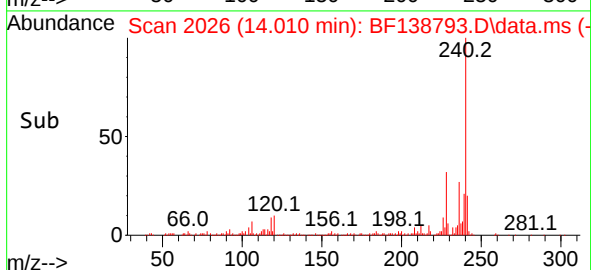
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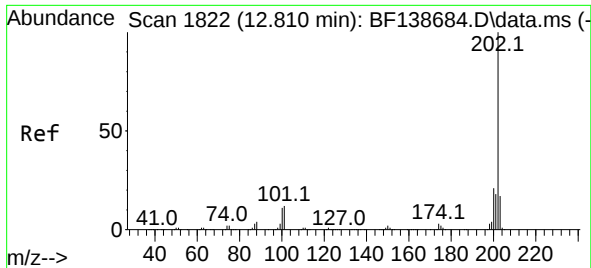


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



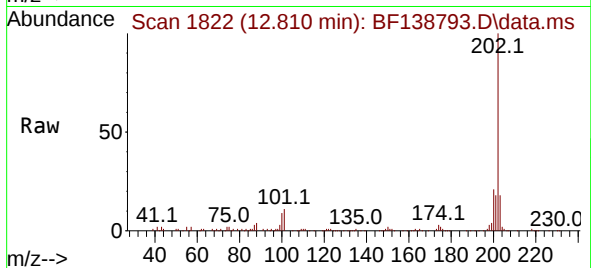
Tgt Ion:240 Resp: 56185
Ion Ratio Lower Upper
240 100
120 10.1 10.2 15.4#
236 26.6 19.8 29.8





#78
Pyrene
Concen: 16.939 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

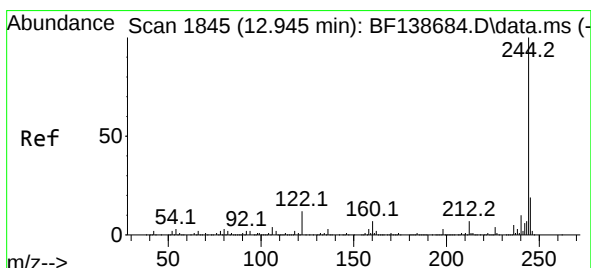
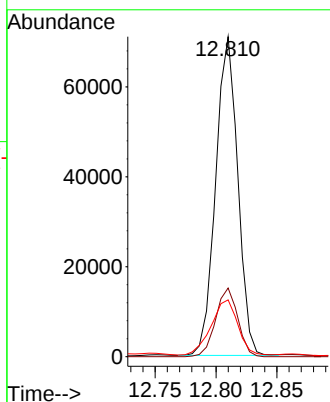
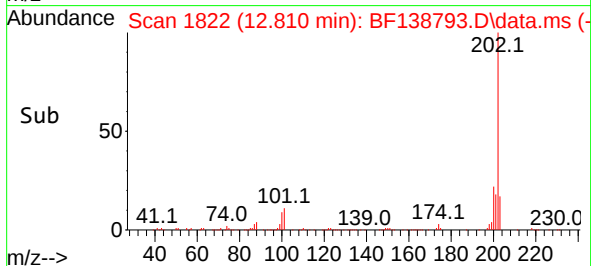
Instrument :
BNA_F
ClientSampleId :
TP1



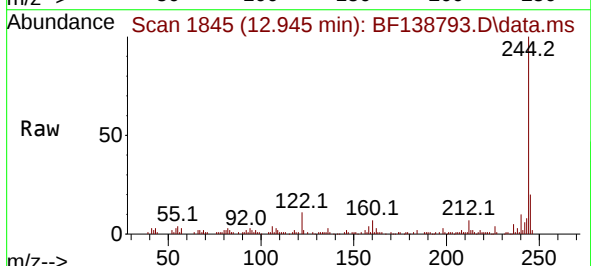
Tgt Ion:202 Resp: 8960
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.7 13.8 20.6

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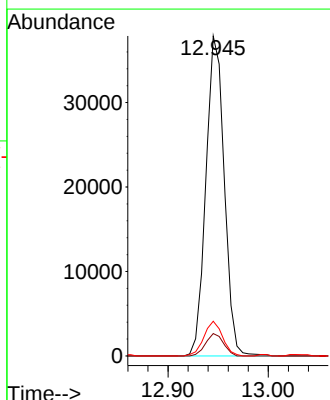
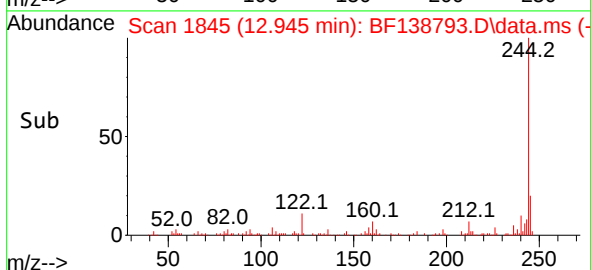
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

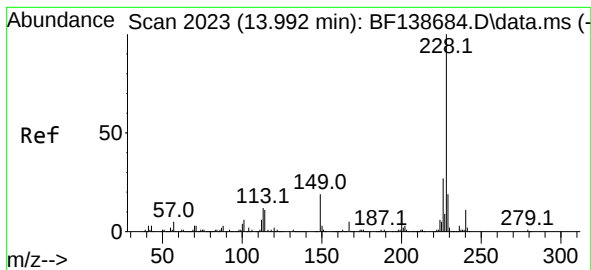


#79
Terphenyl-d14
Concen: 14.397 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



Tgt Ion:244 Resp: 48315
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.9 9.6 14.4





#81

Benzo(a)anthracene

Concen: 10.647 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

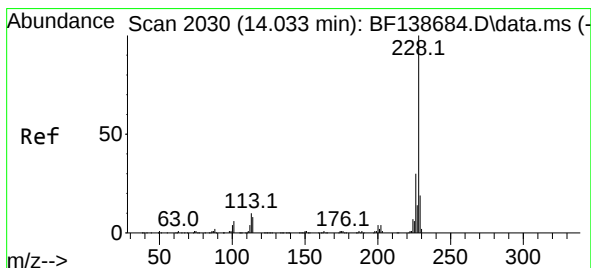
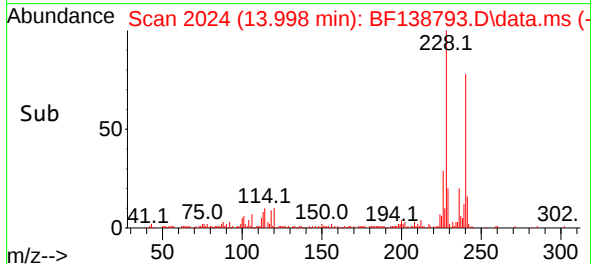
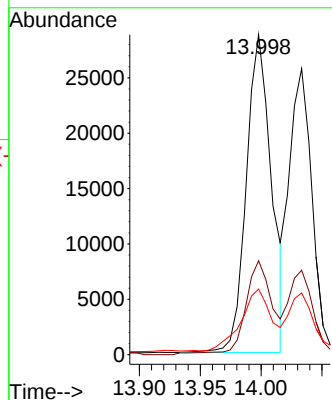
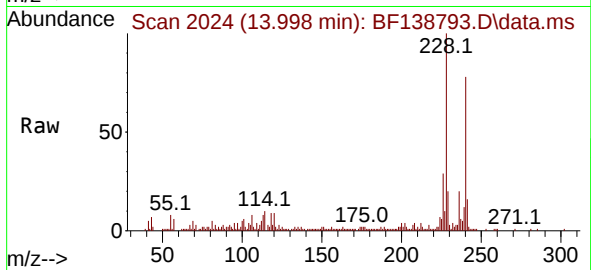
TP1

Tgt Ion:228 Resp: 4119
Ion Ratio Lower Upper
228 100
226 29.3 22.1 33.1
229 20.5 15.4 23.0

Manual Integrations

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



#83

Chrysene

Concen: 9.446 ng

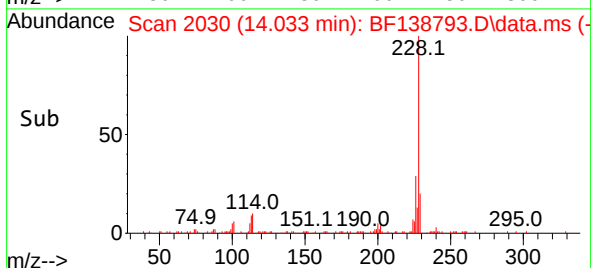
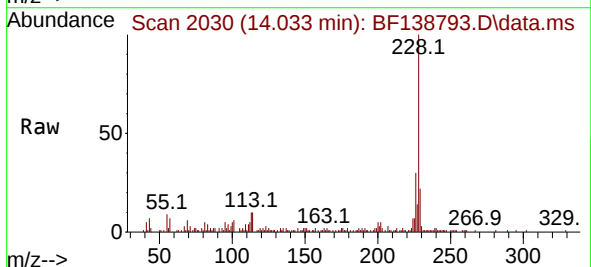
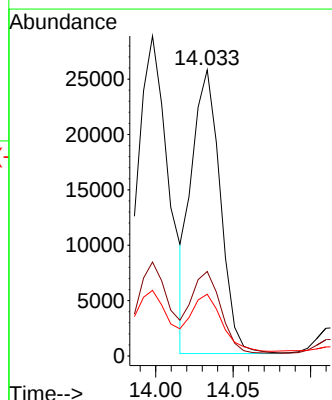
RT: 14.033 min Scan# 2030

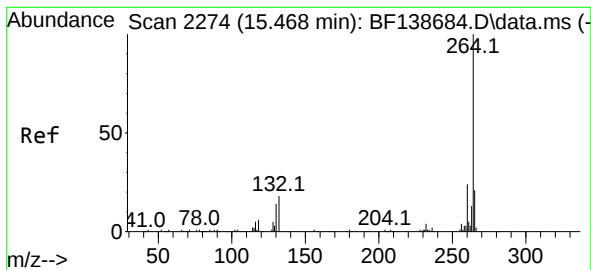
Delta R.T. 0.000 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

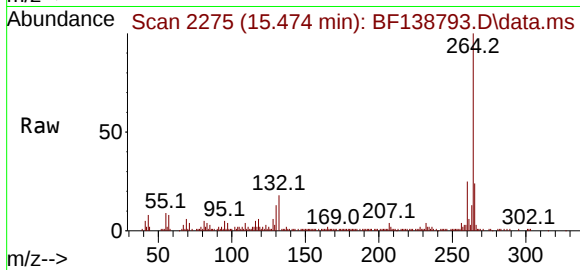
Tgt Ion:228 Resp: 32973
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 21.6 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

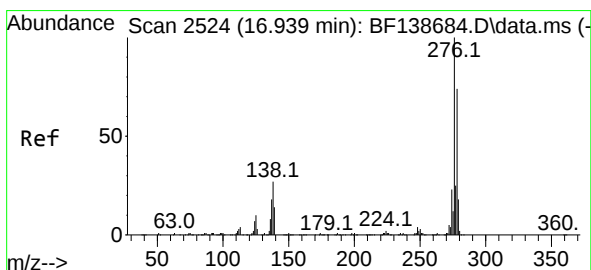
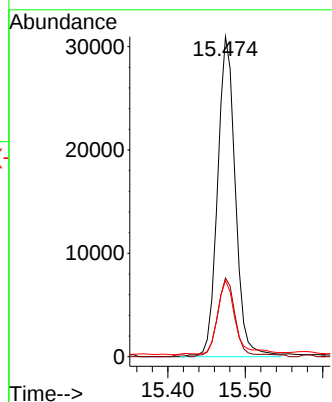
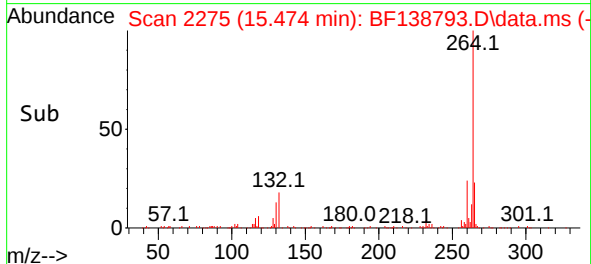
Instrument :
BNA_F
ClientSampleId :
TP1



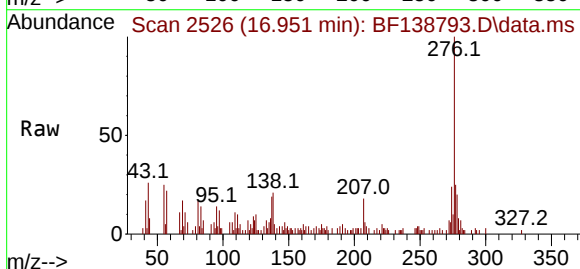
Tgt Ion:264 Resp: 49319
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 23.8 17.0 25.6

Manual Integrations
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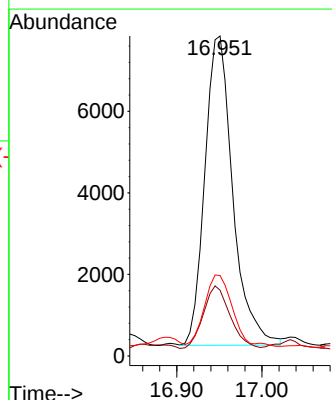
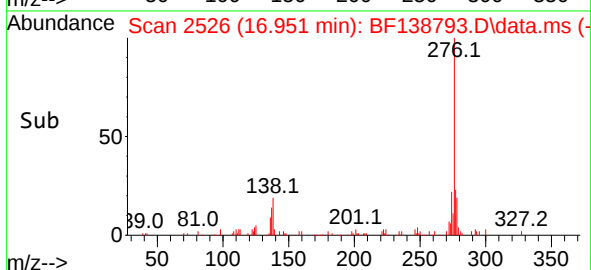
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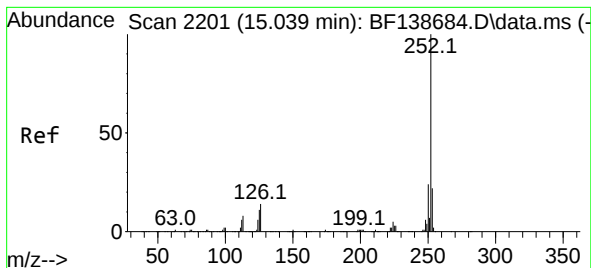


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.898 ng
RT: 16.951 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



Tgt Ion:276 Resp: 17310
Ion Ratio Lower Upper
276 100
138 19.8 21.8 32.8#
277 23.3 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 12.969 ng m

RT: 15.051 min Scan# 2201

Delta R.T. 0.012 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

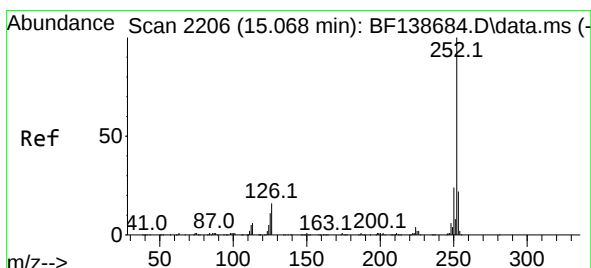
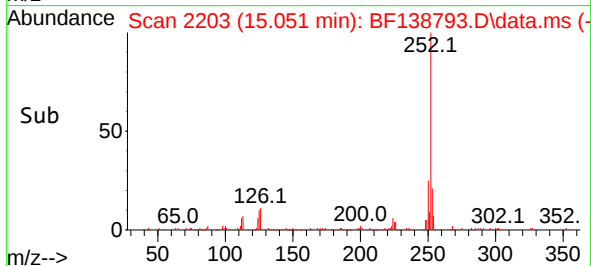
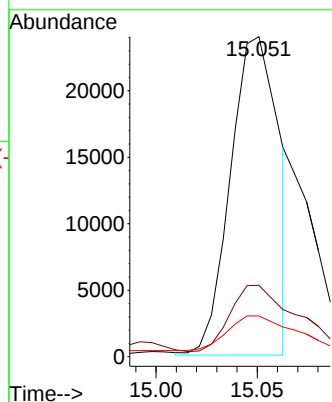
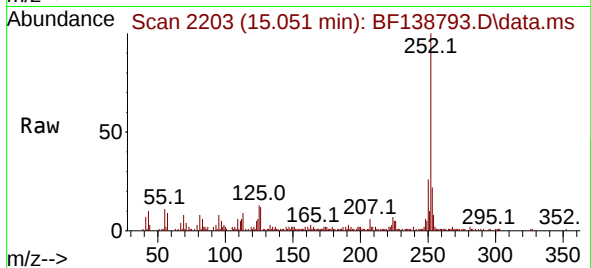
TP1

Tgt Ion:252	Resp:	39649
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.5 26.3
125	12.7	8.9 13.3

Manual Integrations

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#89

Benzo(k)fluoranthene

Concen: 5.229 ng m

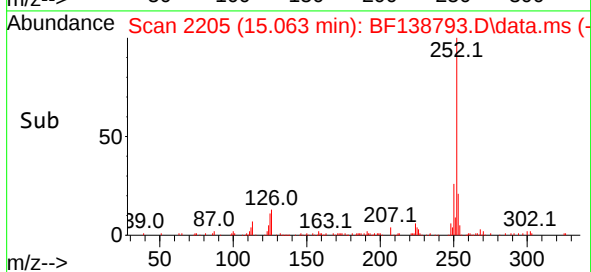
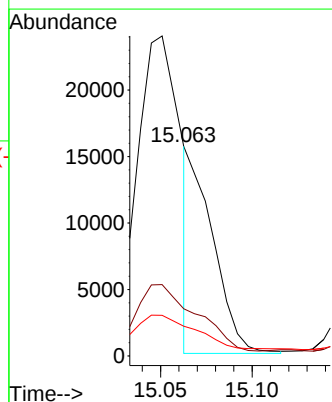
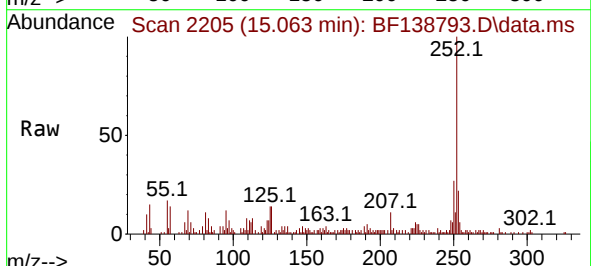
RT: 15.063 min Scan# 2205

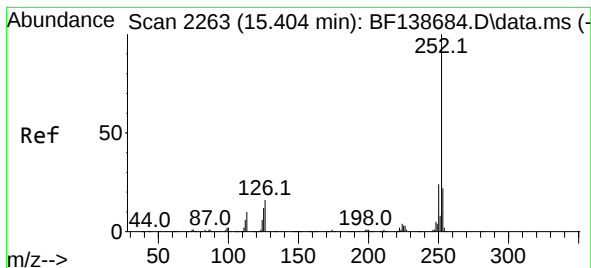
Delta R.T. -0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Tgt Ion:252	Resp:	13842
Ion Ratio	Lower	Upper
252	100	
253	22.5	17.4 26.0
125	14.2	8.6 13.0#





#90

Benzo(a)pyrene

Concen: 11.520 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

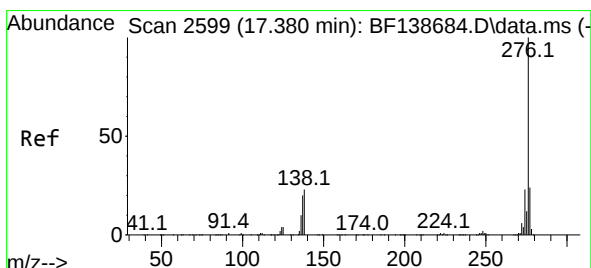
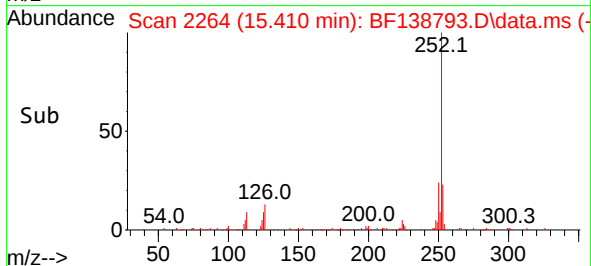
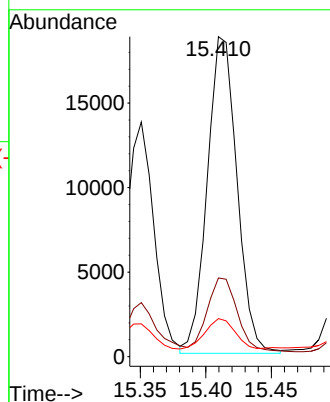
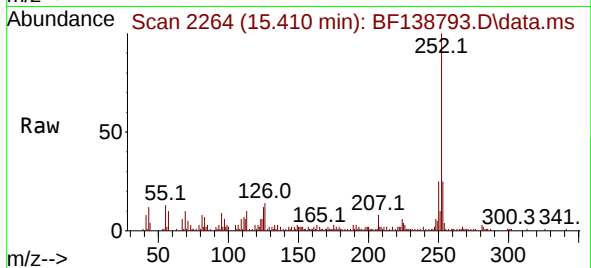
TP1

Tgt Ion:	252	Resp:	2962
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.3	25.9
125	11.9	9.5	14.3

Manual Integrations

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#92

Benzo(g,h,i)perylene

Concen: 5.752 ng

RT: 17.392 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Tgt Ion:	276	Resp:	17317
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.0	28.4
138	21.4	18.5	27.7

