

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138876.D
 Acq On : 08 Aug 2024 20:34
 Operator : RC/JU
 Sample : P3483-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 09 01:03:00 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	6.840	152	38722	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	148846	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	69876	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	95458	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	73994	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	53894	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	233391	93.041	ng	0.00
7) Phenol-d6	6.481	99	305818	90.804	ng	0.00
23) Nitrobenzene-d5	7.404	82	196006	64.382	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	48508	84.748	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	309350	66.517	ng	-0.01
79) Terphenyl-d14	12.939	244	228303	51.658	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.586	163	16023	3.586	ng	# 94
71) Phenanthrene	11.380	178	18859	3.837	ng	98
75) Fluoranthene	12.569	202	59039	12.866	ng	98
78) Pyrene	12.798	202	55119	7.912	ng	98
81) Benzo(a)anthracene	13.986	228	33097	6.495	ng	97
83) Chrysene	14.021	228	25231m	5.489	ng	
87) Indeno(1,2,3-cd)pyrene	16.927	276	10765	2.787	ng	95
88) Benzo(b)fluoranthene	15.033	252	29542m	8.843	ng	
89) Benzo(k)fluoranthene	15.051	252	8889m	3.073	ng	
90) Benzo(a)pyrene	15.398	252	18654	6.638	ng	93
92) Benzo(g,h,i)perylene	17.374	276	10065	3.059	ng	97

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

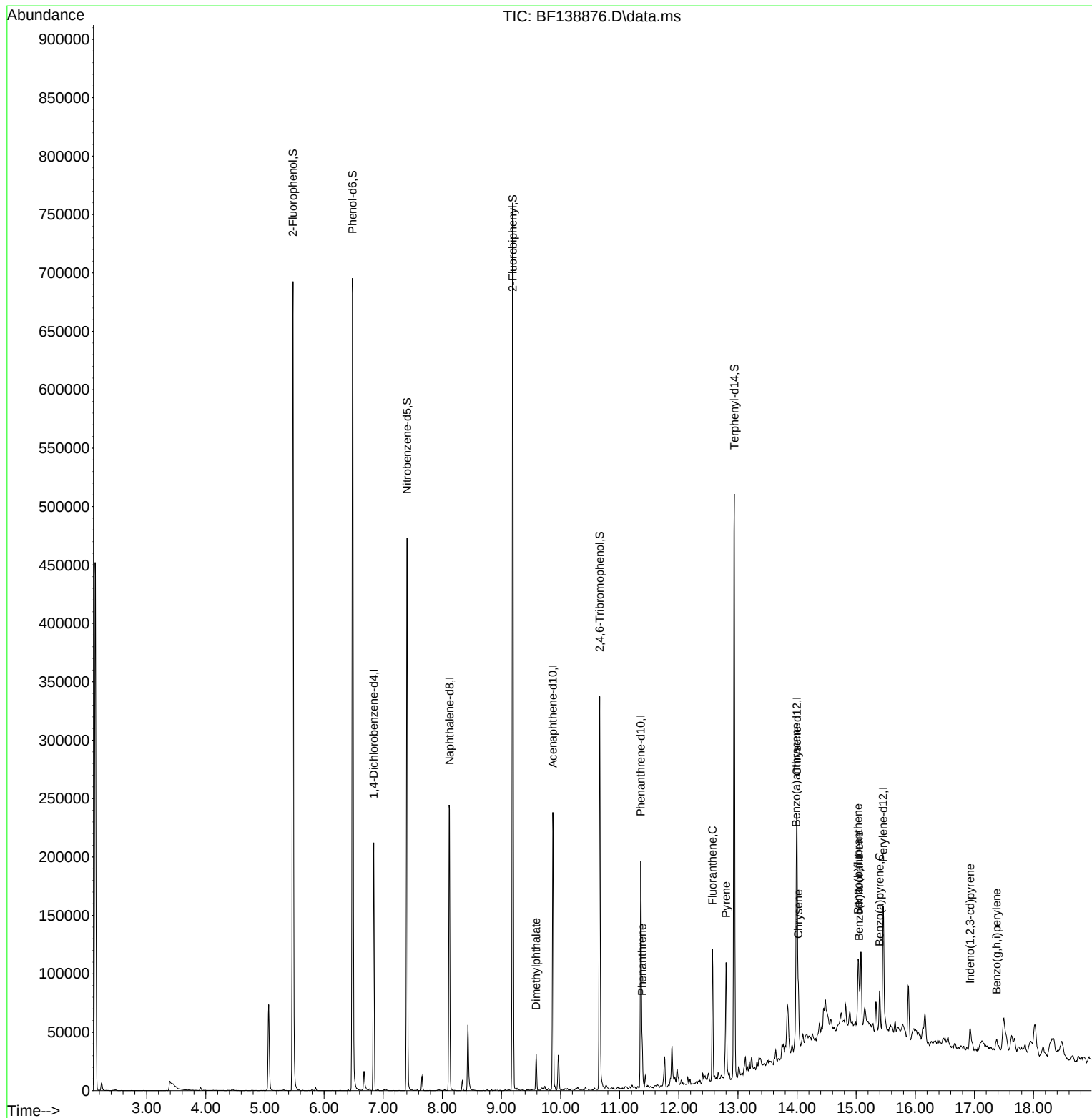
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

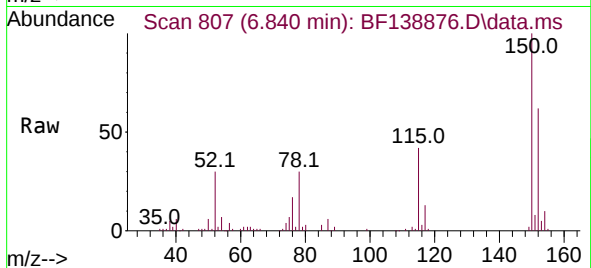
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

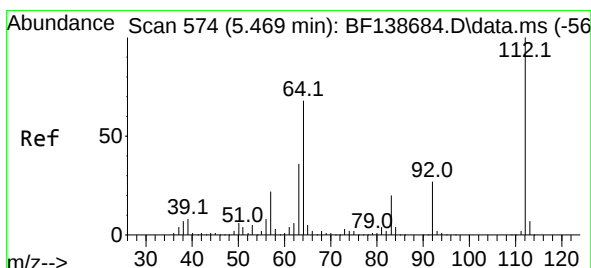
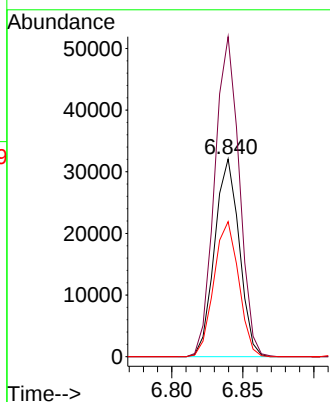
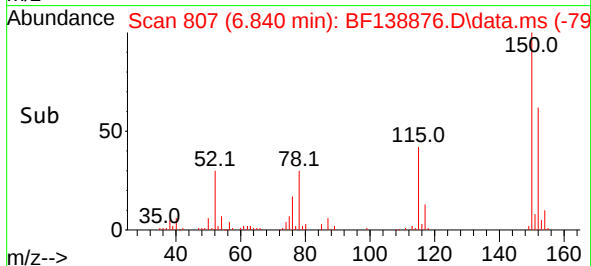
Instrument :
BNA_F
ClientSampleId :
A



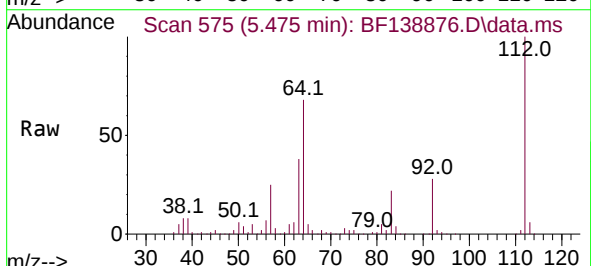
Tgt Ion:152 Resp: 3872
Ion Ratio Lower Upper
152 100
150 161.9 126.0 189.0
115 68.3 51.7 77.5

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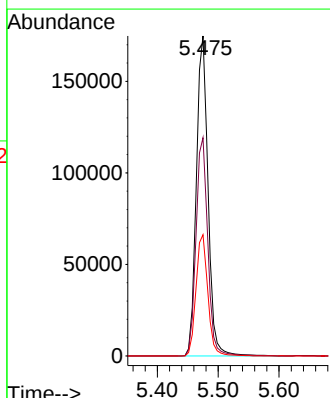
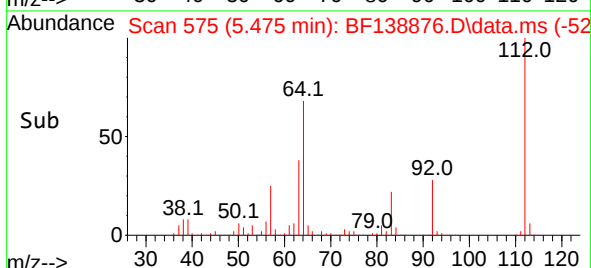
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#5
2-Fluorophenol
Concen: 93.041 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34



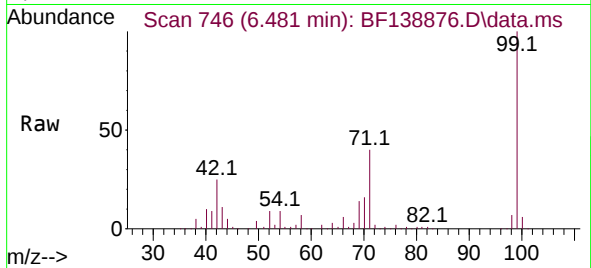
Tgt Ion:112 Resp: 233391
Ion Ratio Lower Upper
112 100
64 68.2 54.2 81.4
63 37.9 28.7 43.1





#7
Phenol-d6
Concen: 90.804 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

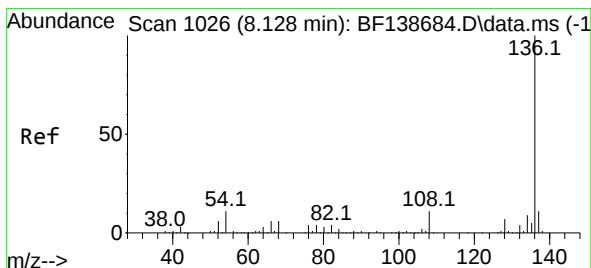
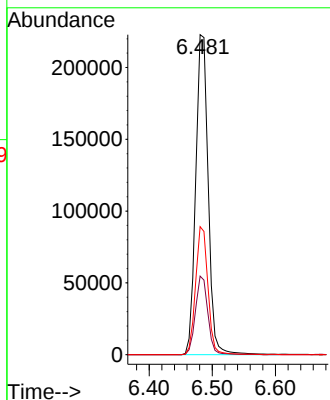
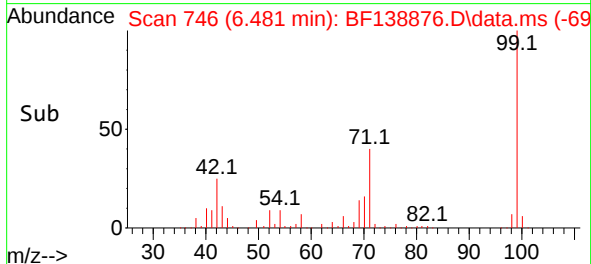
Instrument :
BNA_F
ClientSampleId :
A



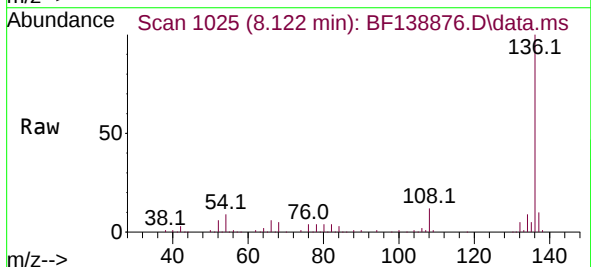
Tgt Ion: 99 Resp: 305818
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 40.0 28.1 42.1

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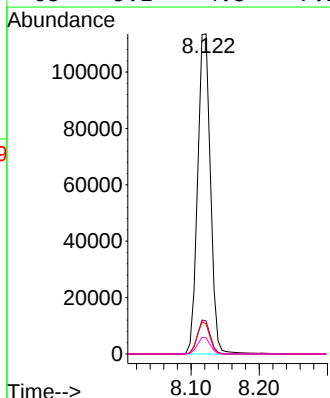
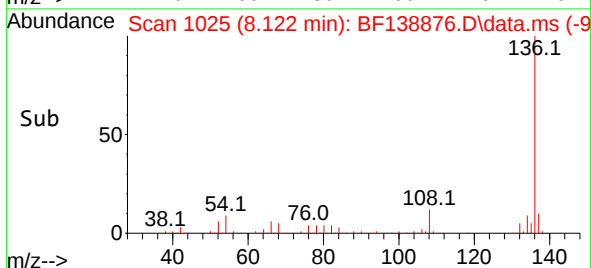
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34



Tgt Ion:136 Resp: 148846
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 9.4 8.6 12.8
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 64.382 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

Tgt Ion: 82 Resp: 196000

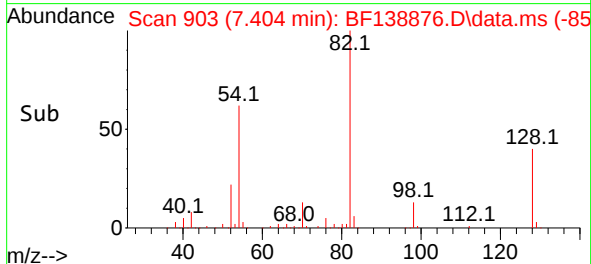
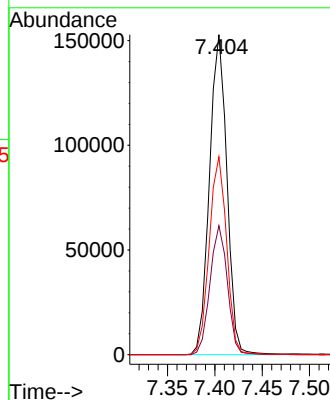
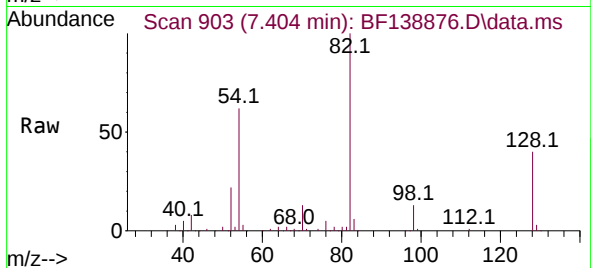
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	61.9	48.3	72.5

Manual Integrations

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Supervised By :mohammad ahmed 08/09/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1322

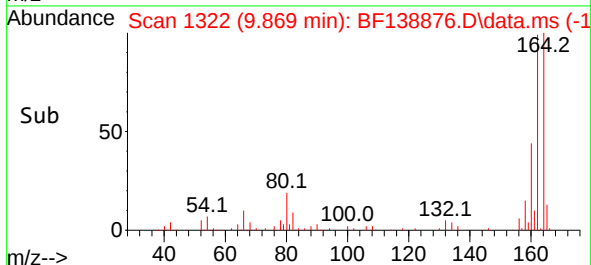
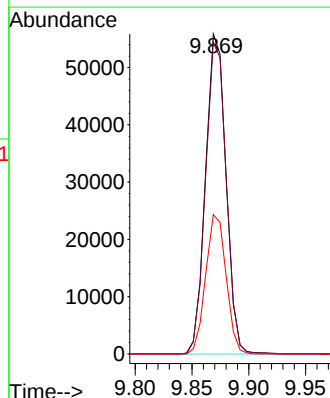
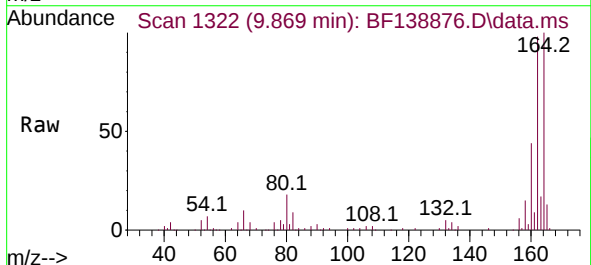
Delta R.T. -0.011 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Tgt Ion:164 Resp: 69876

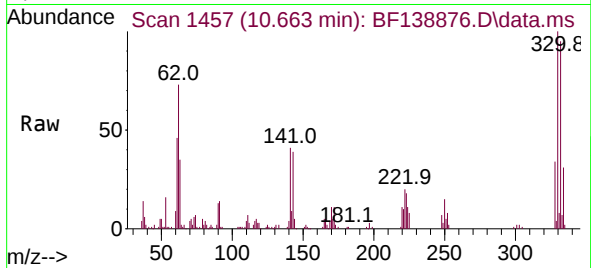
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.4	119.0
160	43.6	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 84.748 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

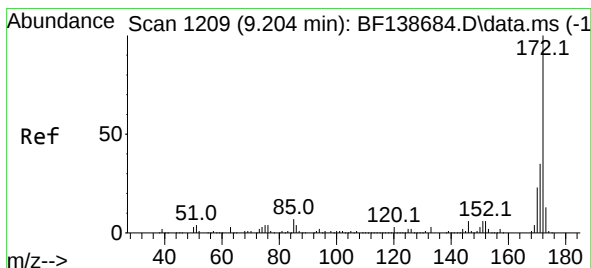
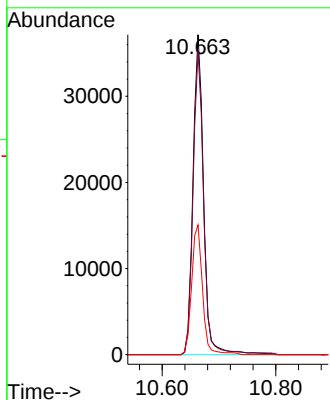
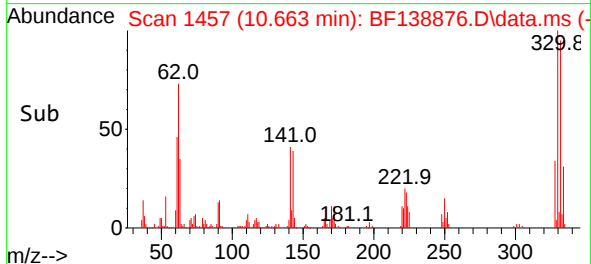
Instrument :
BNA_F
ClientSampleId :
A



Tgt Ion: 330 Resp: 48508
Ion Ratio Lower Upper
330 100
332 94.1 76.4 114.6
141 41.5 31.1 46.7

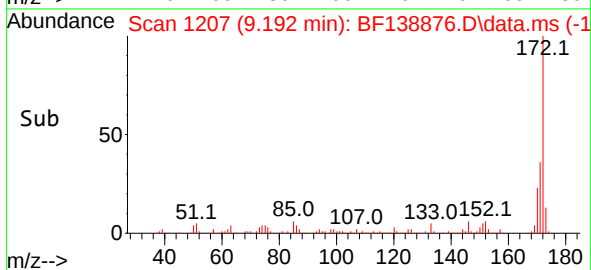
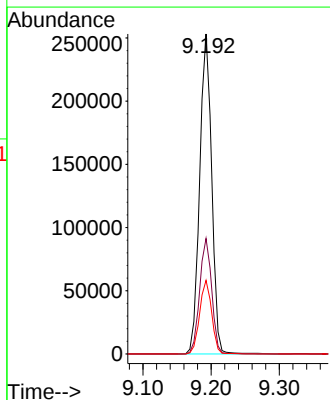
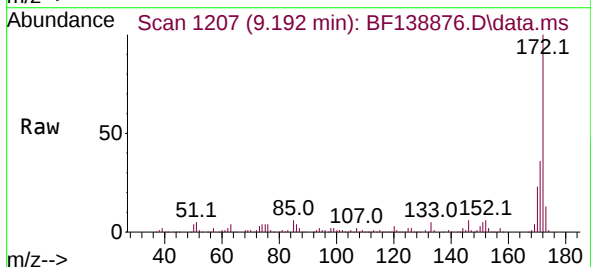
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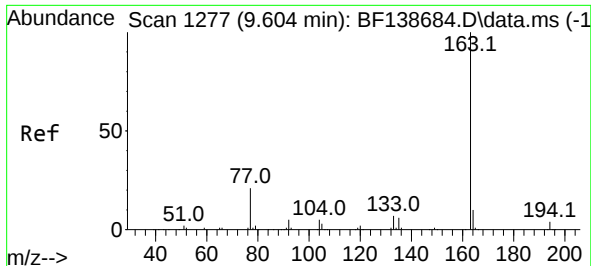
Reviewed By : Yogesh Patel 08/09/2024
Supervised By : mohammad ahmed 08/09/2024



#45
2-Fluorobiphenyl
Concen: 66.517 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

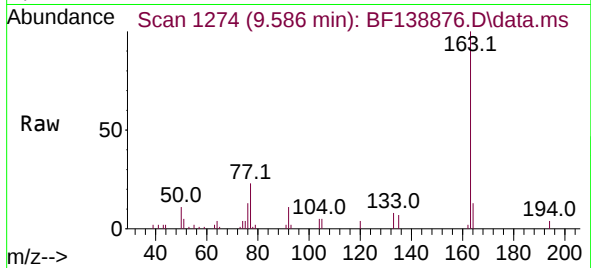
Tgt Ion: 172 Resp: 309350
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.0 18.8 28.2





#50
Dimethylphthalate
Concen: 3.586 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

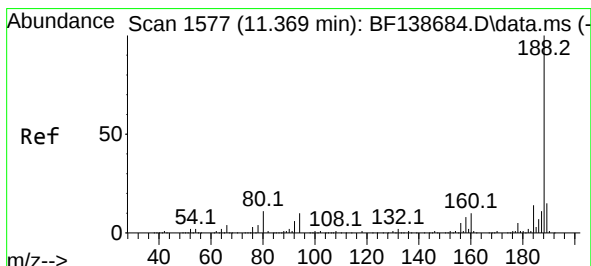
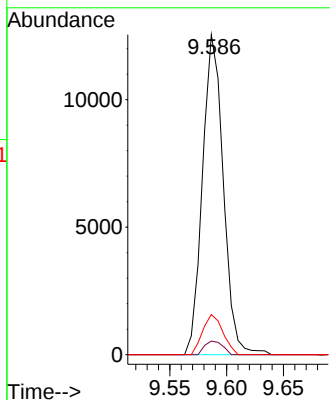
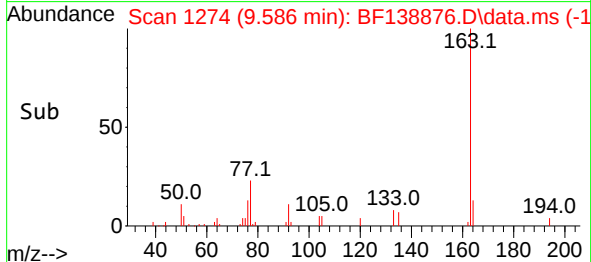
Instrument :
BNA_F
ClientSampleId :
A



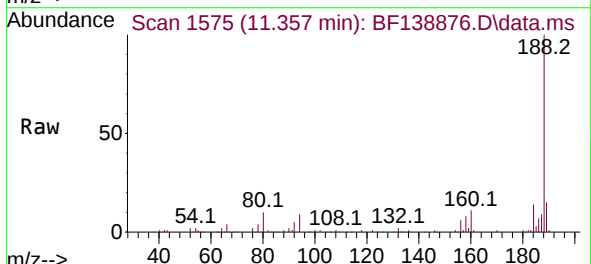
Tgt Ion:163 Resp: 1602
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 12.5 7.8 11.8

Manual Integrations
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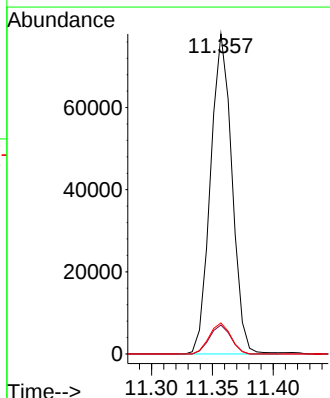
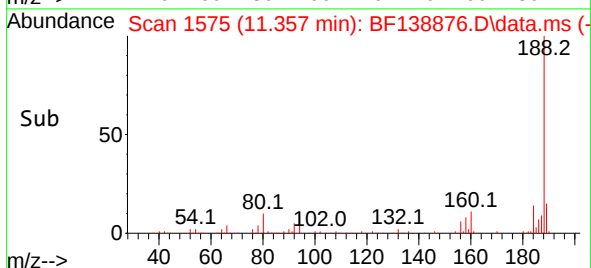
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

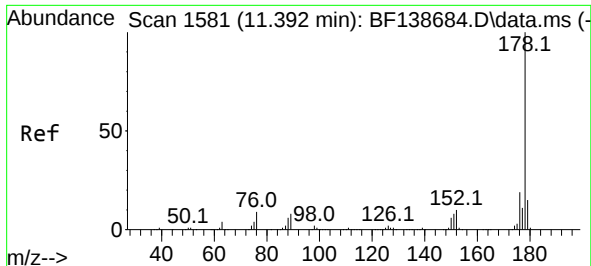


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34



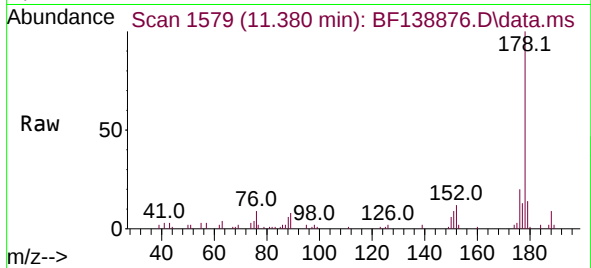
Tgt Ion:188 Resp: 95458
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.7 8.6 12.8





#71
Phenanthrene
Concen: 3.837 ng
RT: 11.380 min Scan# 11380
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

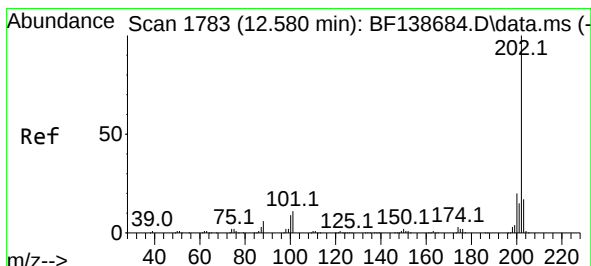
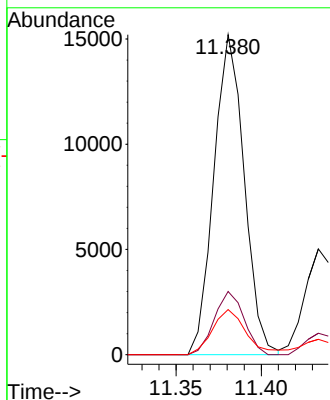
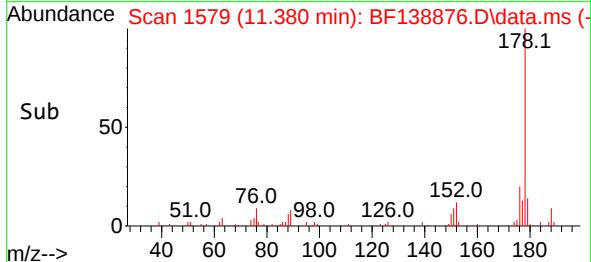
Instrument :
BNA_F
ClientSampleId :
A



Tgt Ion:178 Resp: 18859
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 14.1 12.2 18.2

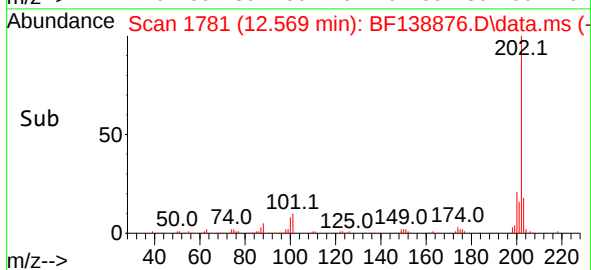
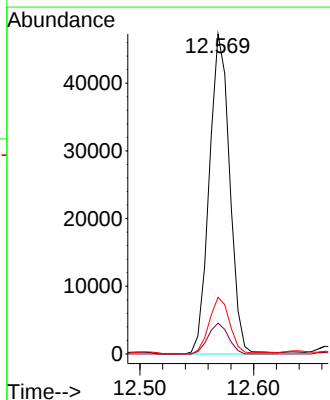
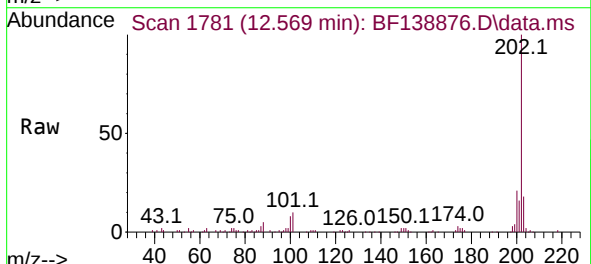
Manual Integrations
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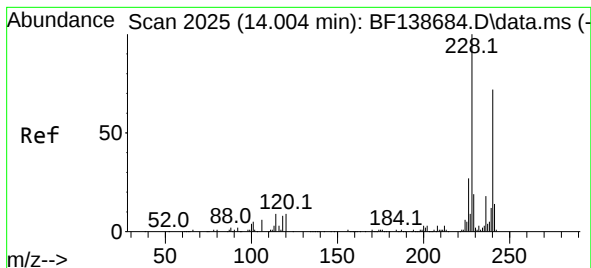
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#75
Fluoranthene
Concen: 12.866 ng
RT: 12.569 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:202 Resp: 59039
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

Tgt Ion:240 Resp: 73994

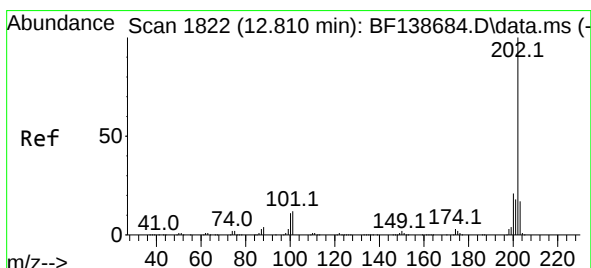
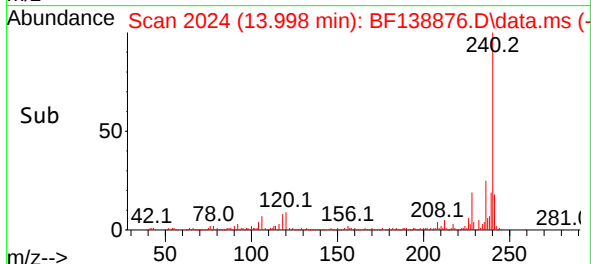
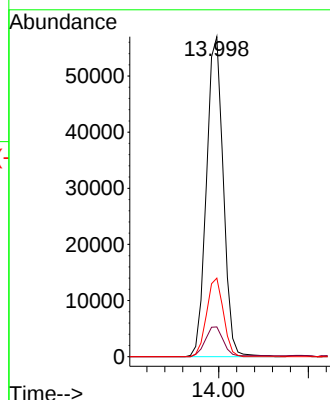
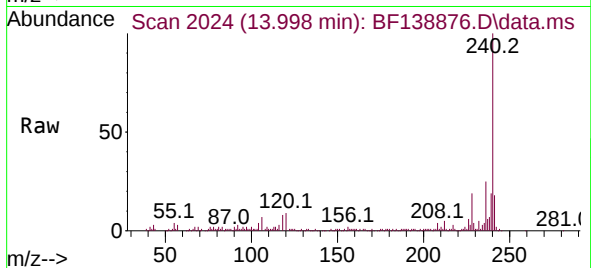
Ion	Ratio	Lower	Upper
240	100		
120	9.3	10.2	15.4
236	24.5	19.8	29.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#78

Pyrene

Concen: 7.912 ng

RT: 12.798 min Scan# 1820

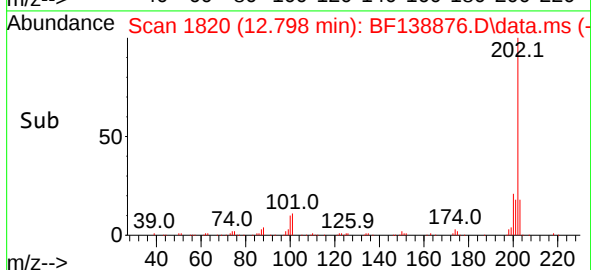
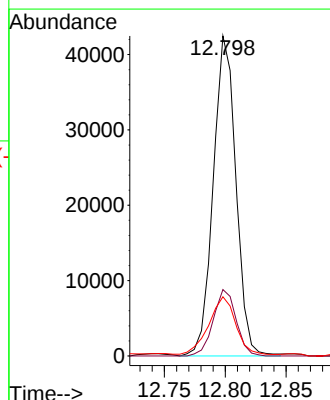
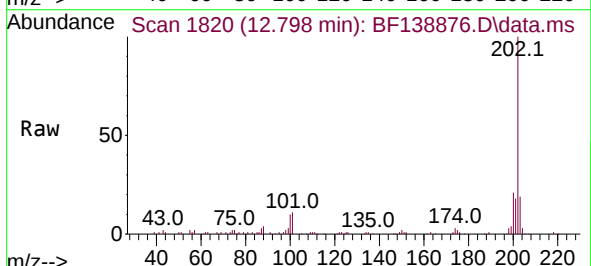
Delta R.T. -0.012 min

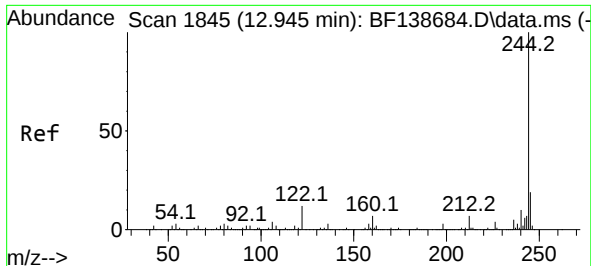
Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Tgt Ion:202 Resp: 55119

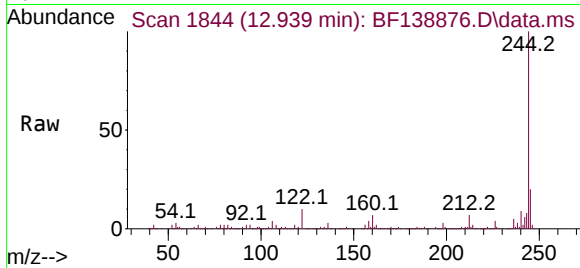
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	18.5	13.8	20.6





#79
 Terphenyl-d14
 Concen: 51.658 ng
 RT: 12.939 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF138876.D
 Acq: 08 Aug 2024 20:34

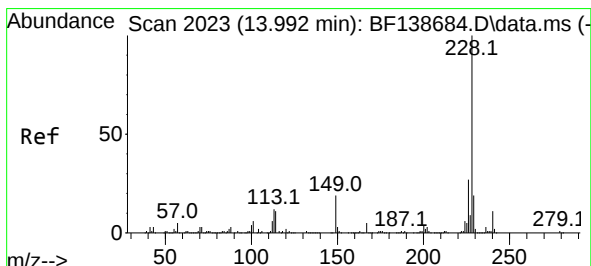
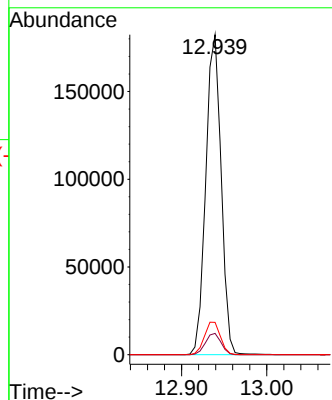
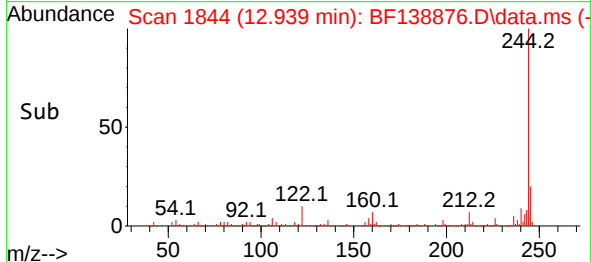
Instrument :
 BNA_F
 ClientSampleId :
 A



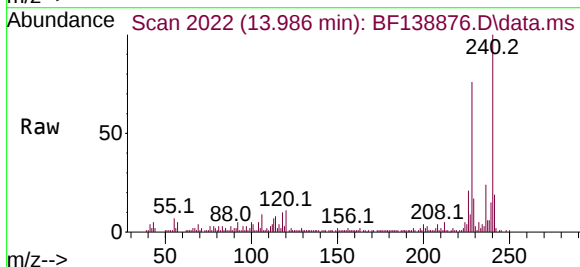
Tgt Ion:244 Resp: 22830
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.1 9.6 14.4

Manual Integrations
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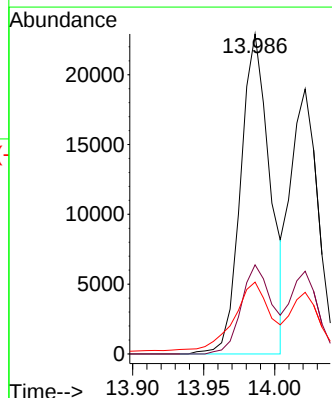
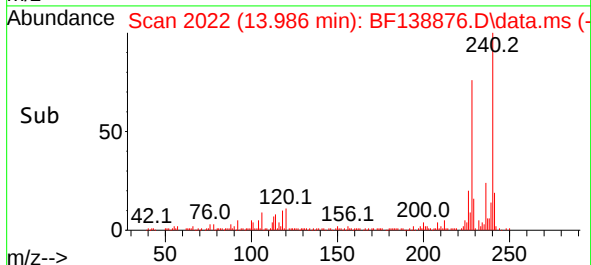
Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

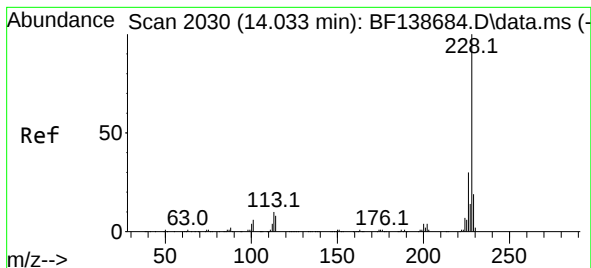


#81
 Benzo(a)anthracene
 Concen: 6.495 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF138876.D
 Acq: 08 Aug 2024 20:34



Tgt Ion:228 Resp: 33097
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 22.4 15.4 23.0





#83

Chrysene

Concen: 5.489 ng m

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

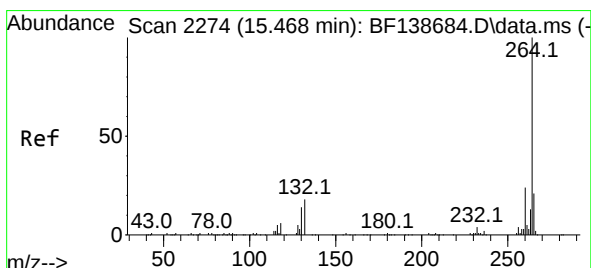
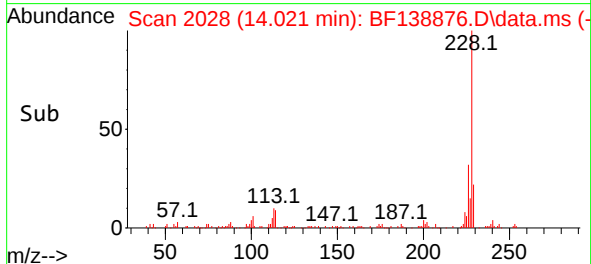
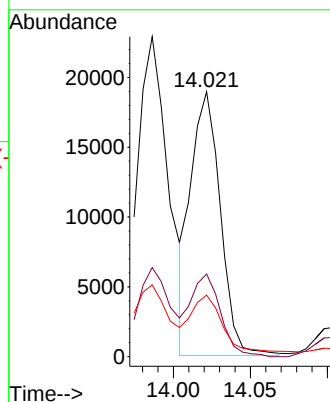
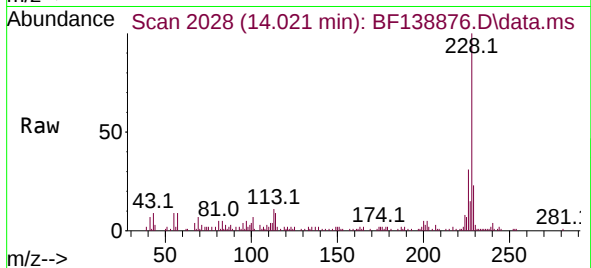
Tgt Ion:	228	Resp:	2523
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.7	35.5
229	23.2	15.0	22.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#86

Perylene-d12

Concen: 20.000 ng

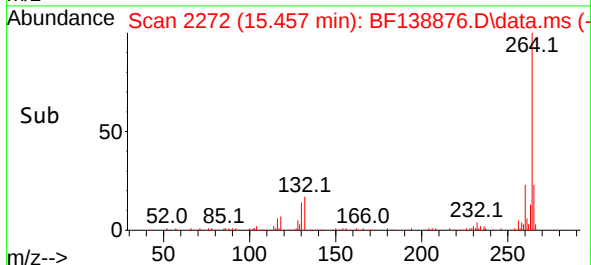
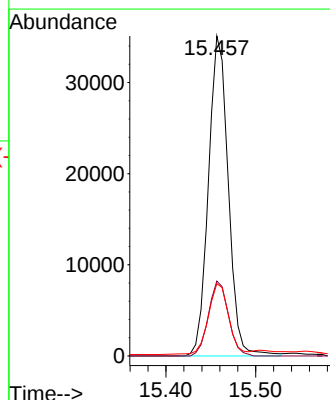
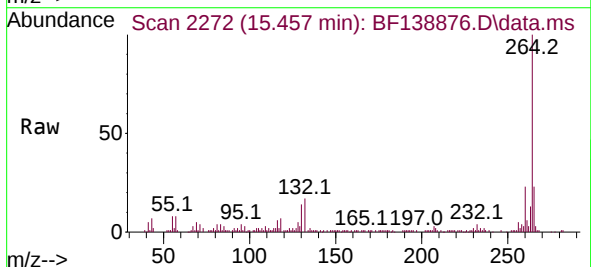
RT: 15.457 min Scan# 2272

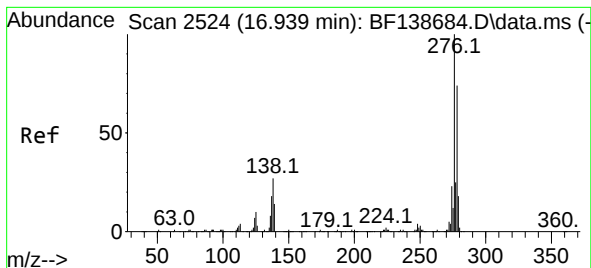
Delta R.T. -0.012 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Tgt Ion:	264	Resp:	53894
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.6
265	22.6	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.787 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

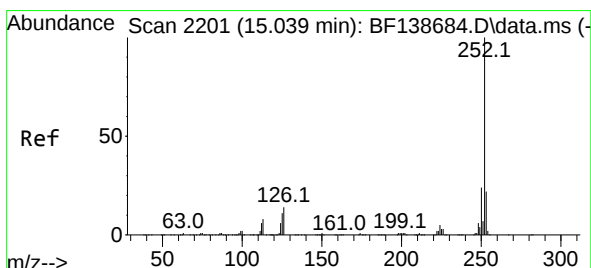
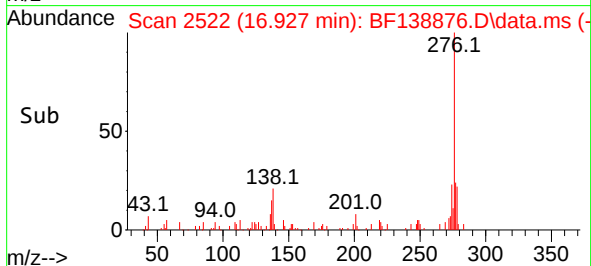
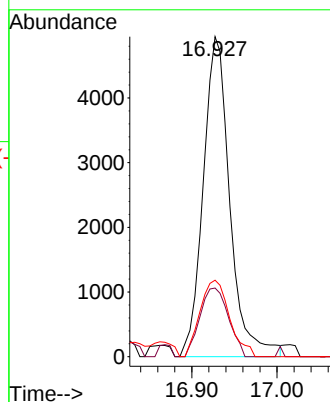
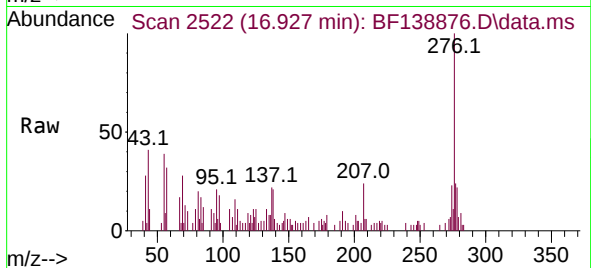
Tgt Ion:	276	Resp:	1076
Ion Ratio	Lower	Upper	
276	100		
138	22.9	21.8	32.8
277	26.4	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#88

Benzo(b)fluoranthene

Concen: 8.843 ng m

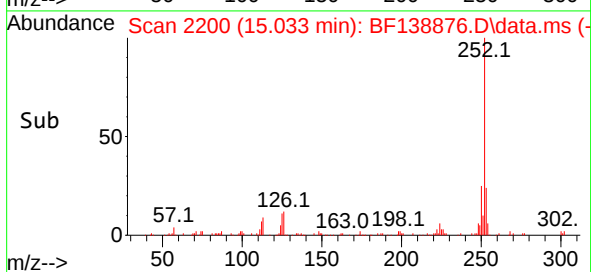
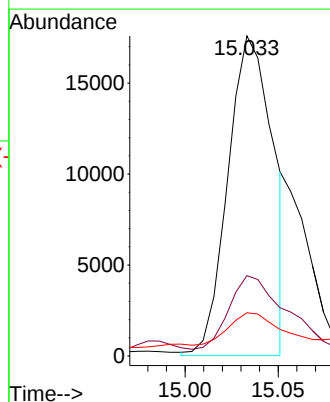
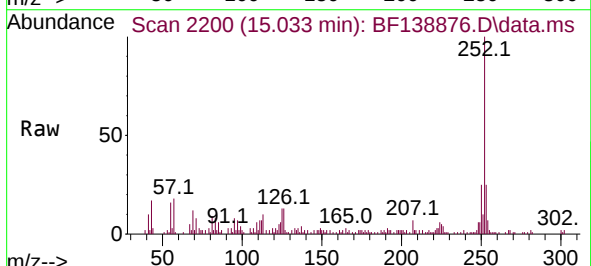
RT: 15.033 min Scan# 2200

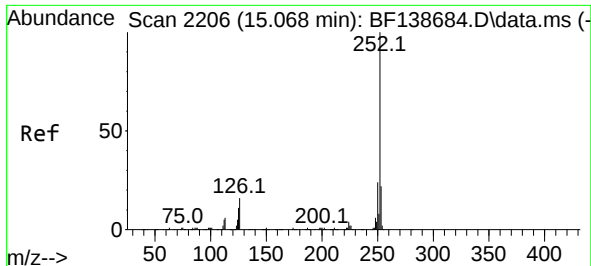
Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Tgt Ion:	252	Resp:	29542
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.5	26.3
125	13.5	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 3.073 ng m

RT: 15.051 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

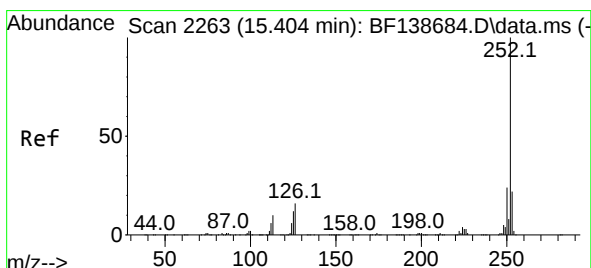
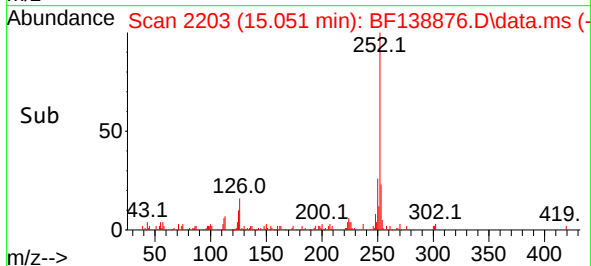
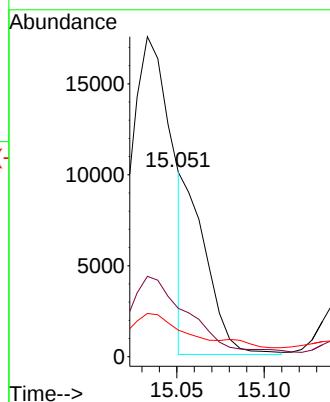
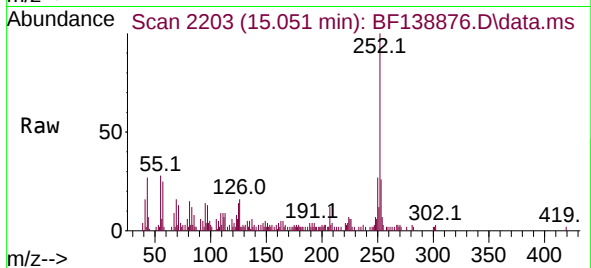
Tgt Ion:	252	Resp:	8889
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.4	26.0
125	14.4	8.6	13.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#90

Benzo(a)pyrene

Concen: 6.638 ng

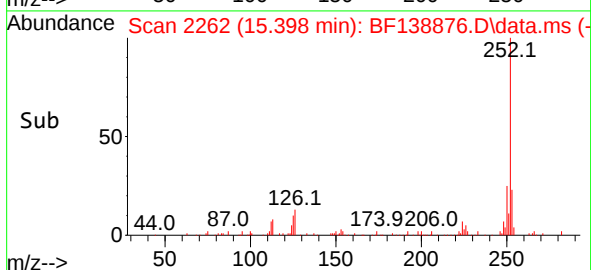
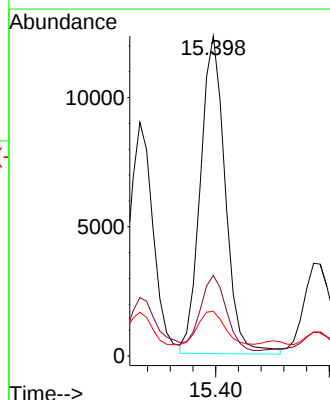
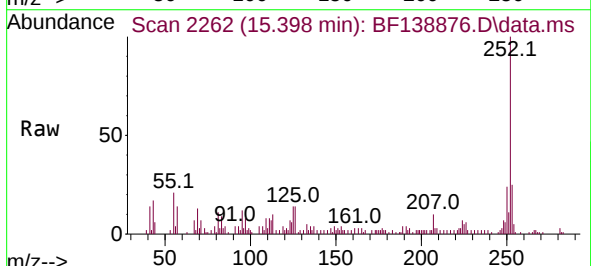
RT: 15.398 min Scan# 2262

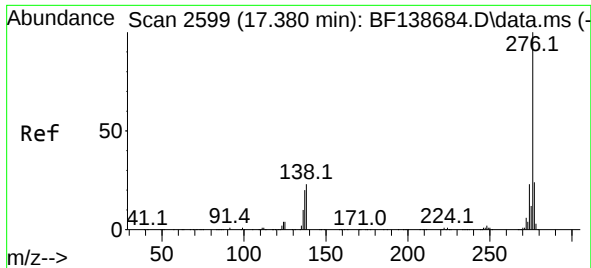
Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Tgt Ion:	252	Resp:	18654
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.3	25.9
125	13.9	9.5	14.3





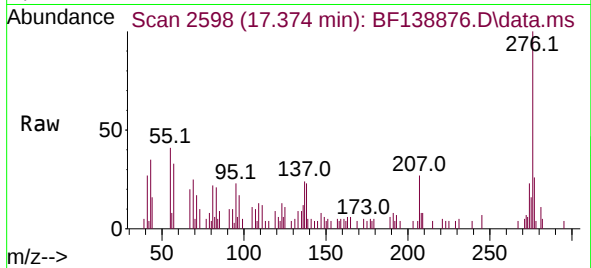
#92
 Benzo(g,h,i)perylene
 Concen: 3.059 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138876.D
 Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A



Tgt Ion:276 Resp: 1006
 Ion Ratio Lower Upper
 276 100
 277 26.2 19.0 28.4
 138 22.8 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024

