

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
 Data File : BF138537.D
 Acq On : 11 Jul 2024 22:23
 Operator : CG\JU
 Sample : P3181-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-070924

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/13/2024

Quant Time: Jul 12 01:15:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	60888	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	223044	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	112070	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	136035	20.000	ng	# 0.04
76) Chrysene-d12	14.057	240	159108	20.000	ng	# 0.03
86) Perylene-d12	15.504	264	137030	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	52717	13.712	ng	-0.01
7) Phenol-d6	6.493	99	69433	13.576	ng	-0.01
23) Nitrobenzene-d5	7.422	82	40990	9.023	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	12452	11.888	ng	0.02
45) 2-Fluorobiphenyl	9.216	172	71779	10.010	ng	-0.01
79) Terphenyl-d14	13.022	244	72887	7.463	ng	0.05
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.857	142	27727	3.714	ng	100
38) 1-Methylnaphthalene	8.957	142	27860	3.824	ng	99
71) Phenanthrene	11.451	178	224685	32.693	ng	# 65
75) Fluoranthene	12.663	202	102879	14.670	ng	# 58
81) Benzo(a)anthracene	14.051	228	45687	4.279	ng	# 81
83) Chrysene	14.080	228	64766	6.413	ng	# 88
84) Bis(2-ethylhexyl)phtha...	14.016	149	65344	12.610	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.962	276	18463	2.006	ng	97
88) Benzo(b)fluoranthene	15.074	252	63455m	8.223	ng	
89) Benzo(k)fluoranthene	15.098	252	20278m	2.694	ng	
90) Benzo(a)pyrene	15.439	252	31083	4.585	ng	# 73
92) Benzo(g,h,i)perylene	17.398	276	19474	2.439	ng	94

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

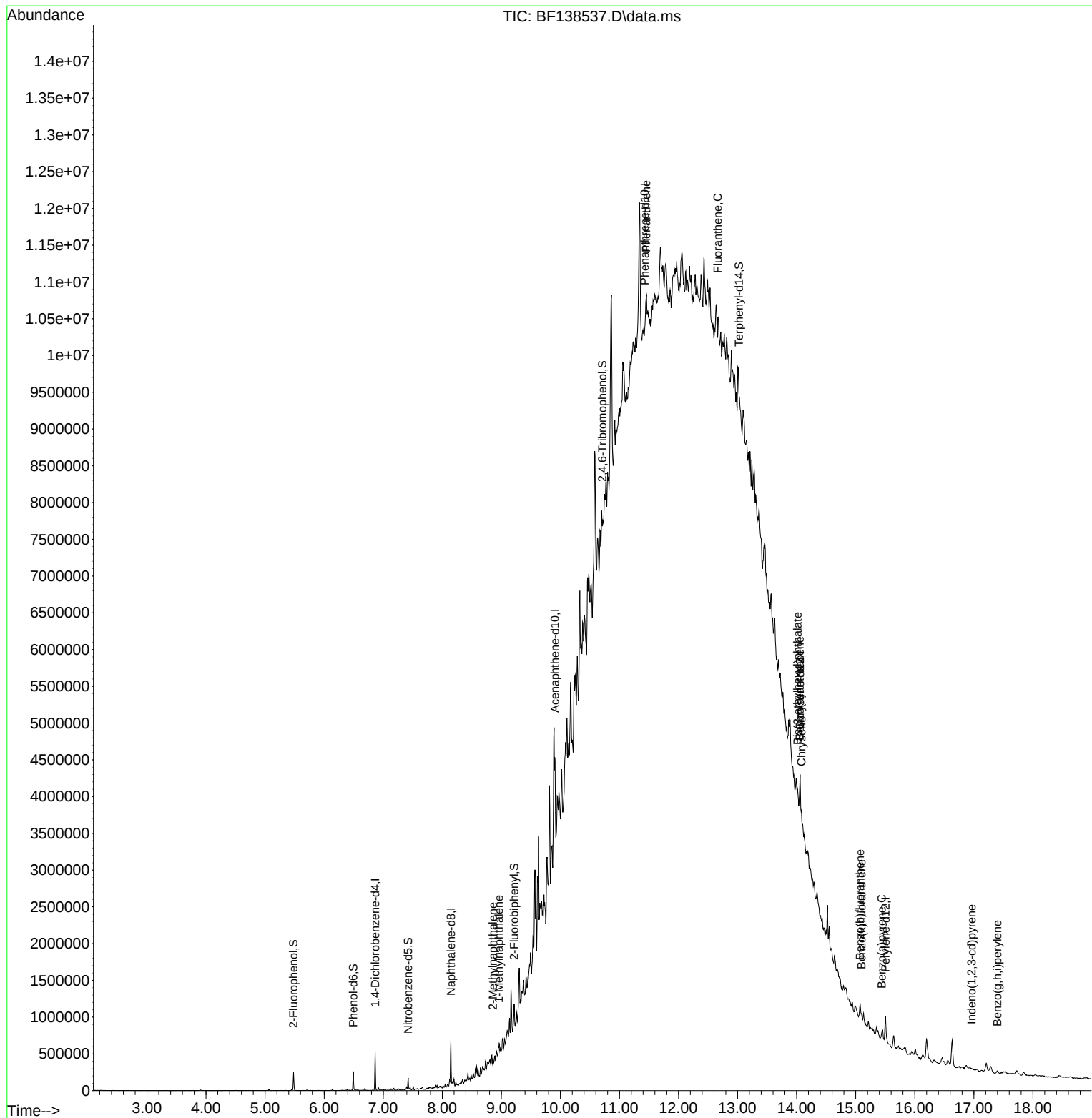
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071124\
Data File : BF138537.D
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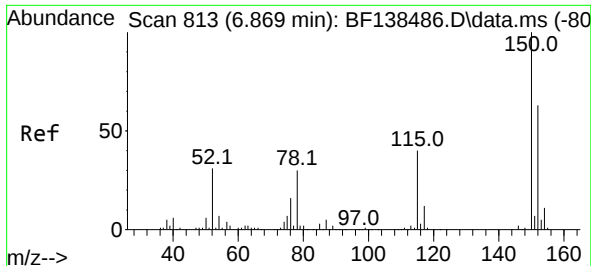
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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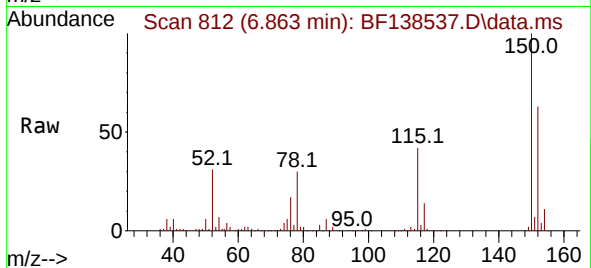
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

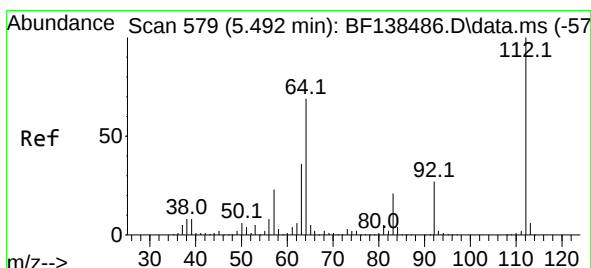
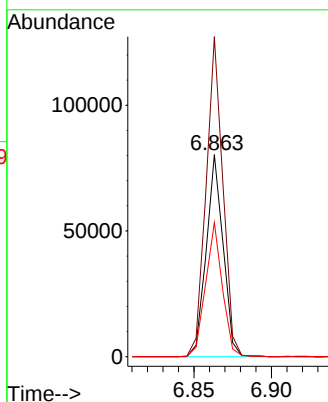
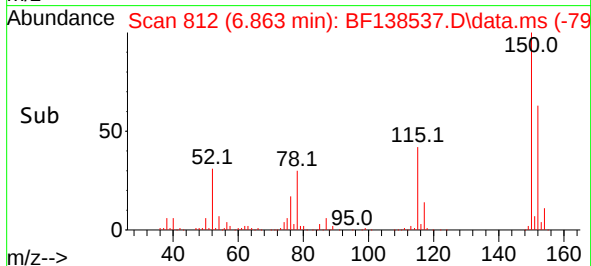
Instrument :
BNA_F
ClientSampleId :
OR-02-070924



Tgt Ion:152 Resp: 6088
Ion Ratio Lower Upper
152 100
150 158.4 126.2 189.4
115 66.4 50.3 75.5

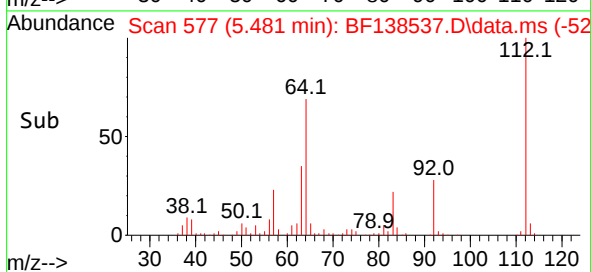
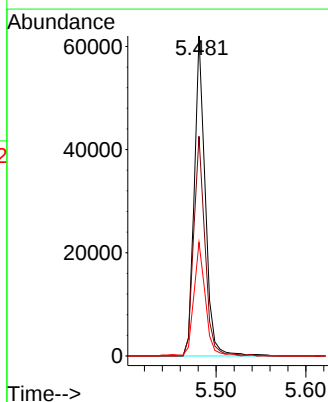
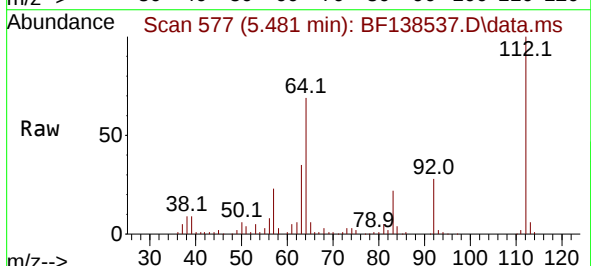
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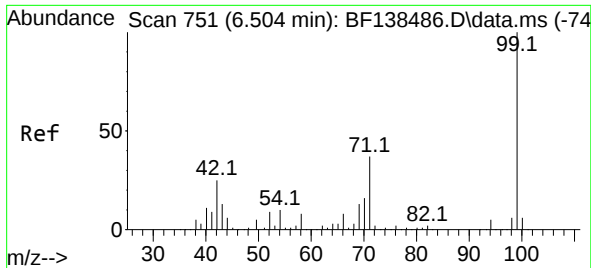
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#5
2-Fluorophenol
Concen: 13.712 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.012 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

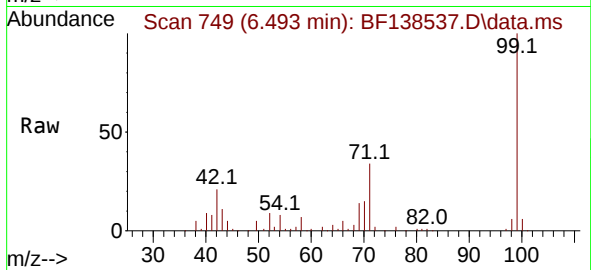
Tgt Ion:112 Resp: 52717
Ion Ratio Lower Upper
112 100
64 68.7 55.1 82.7
63 35.5 29.0 43.6





#7
Phenol-d6
Concen: 13.576 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

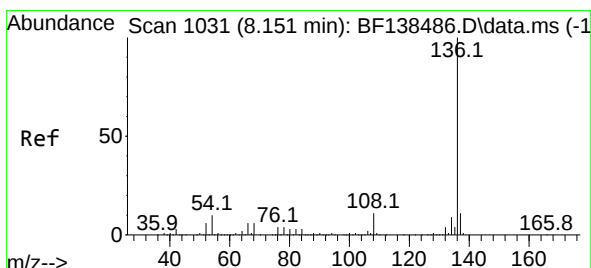
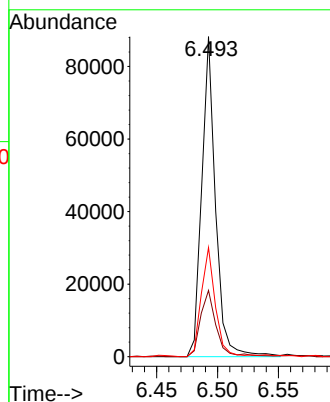
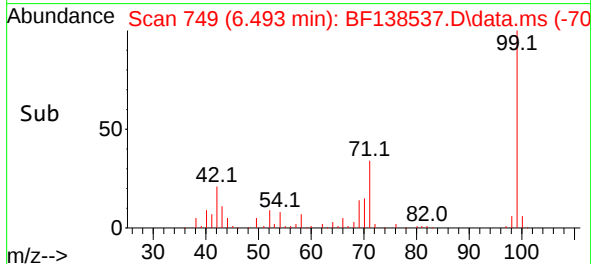
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 6943
Ion Ratio Lower Upper
99 100
42 20.7 19.7 29.5
71 34.1 29.9 44.9

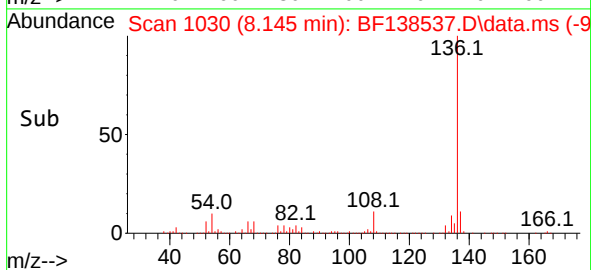
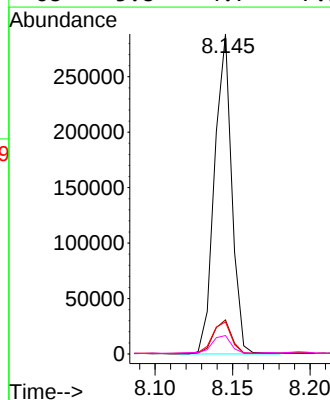
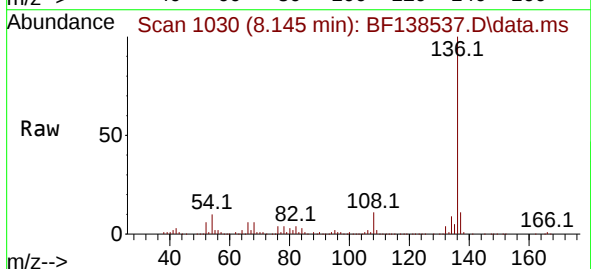
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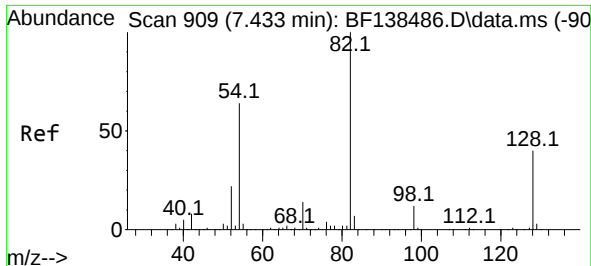
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Tgt Ion:136 Resp: 223044
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.0 8.1 12.1
68 5.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 9.023 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138537.D

Acq: 11 Jul 2024 22:23

Instrument :

BNA_F

ClientSampleId :

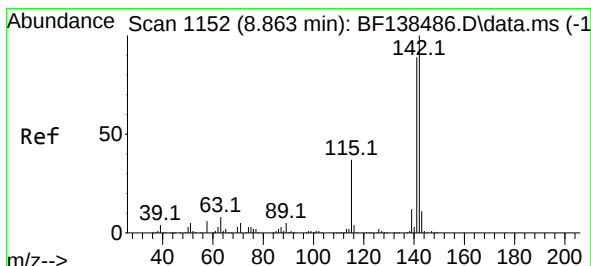
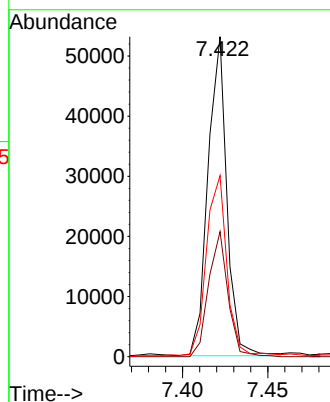
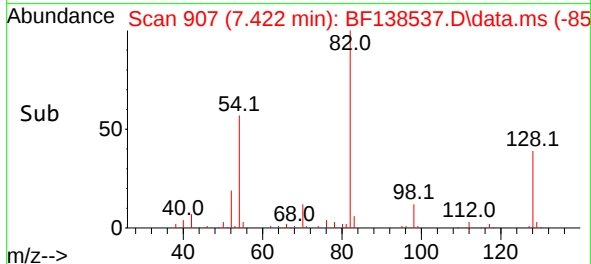
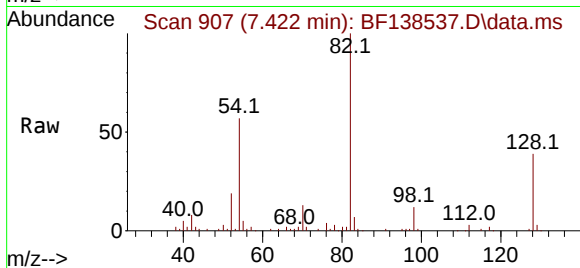
OR-02-070924

Tgt Ion:	82	Resp:	40990
Ion Ratio	Lower	Upper	
82	100		
128	39.1	32.3	48.5
54	56.6	51.4	77.0

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Supervised By :mohammad ahmed 07/13/2024



#37

2-Methylnaphthalene

Concen: 3.714 ng

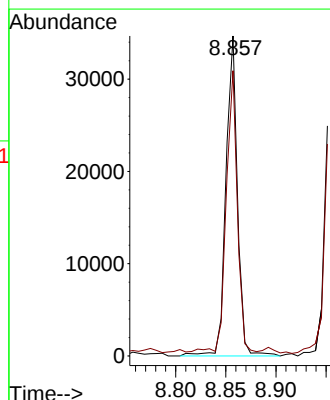
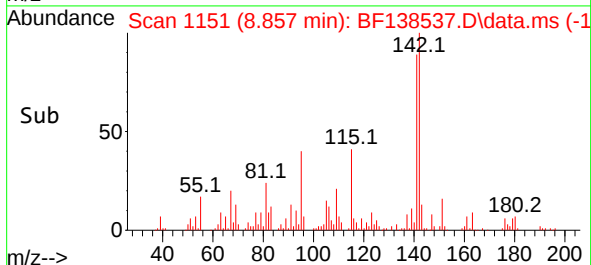
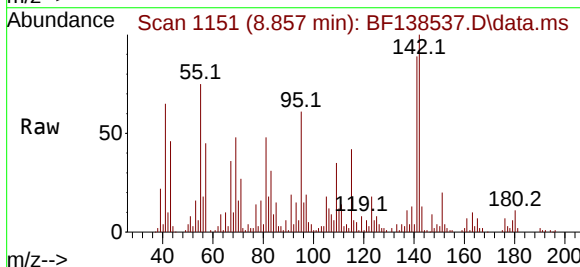
RT: 8.857 min Scan# 1151

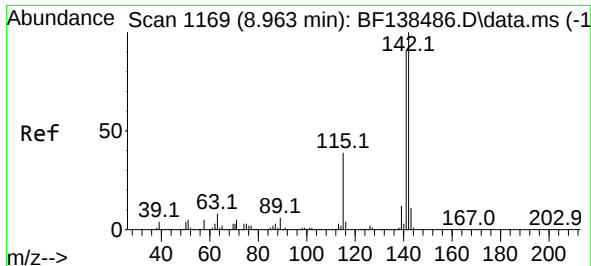
Delta R.T. -0.006 min

Lab File: BF138537.D

Acq: 11 Jul 2024 22:23

Tgt Ion:	142	Resp:	27727
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.4	107.0





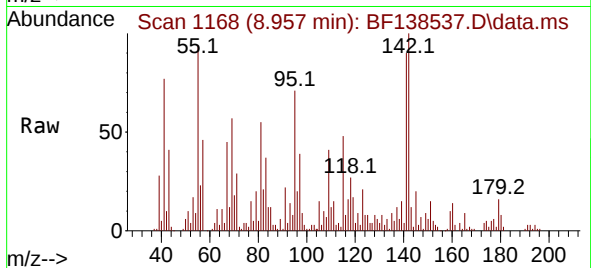
#38
1-Methylnaphthalene
Concen: 3.824 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Instrument :

BNA_F

ClientSampleId :

OR-02-070924

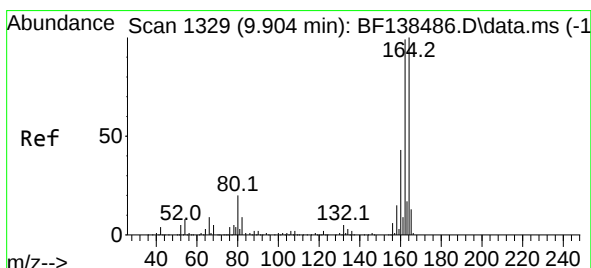
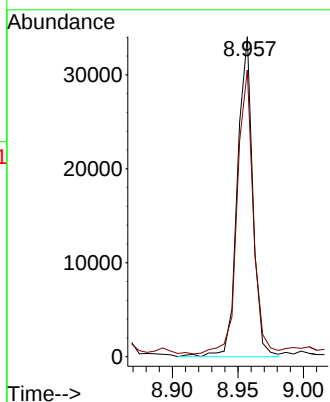
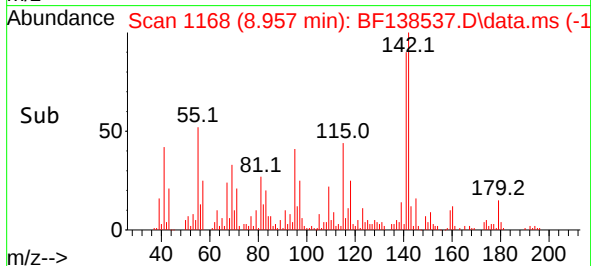


Tgt Ion:142 Resp: 27860
Ion Ratio Lower Upper
142 100
141 89.6 72.6 108.8

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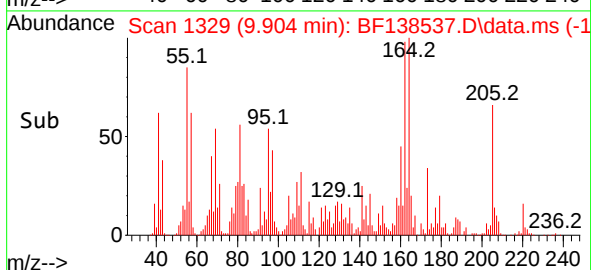
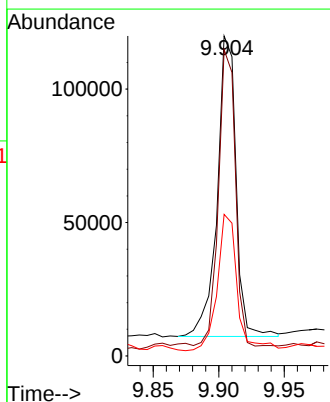
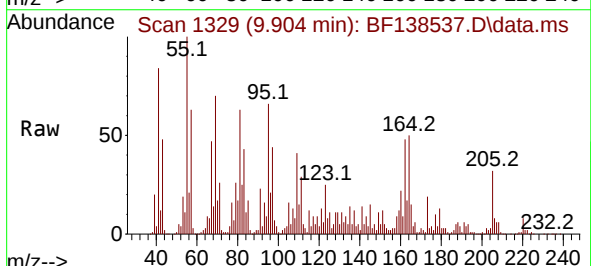
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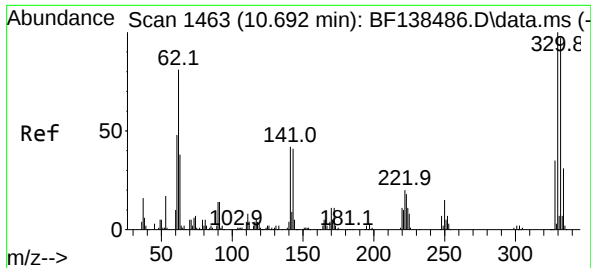
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

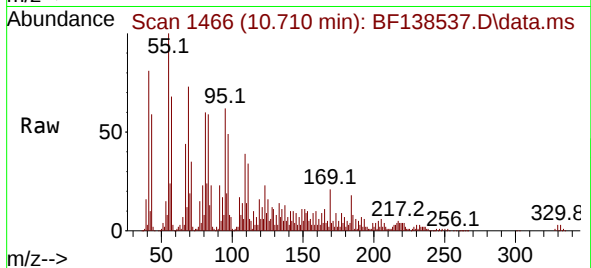
Tgt Ion:164 Resp: 112070
Ion Ratio Lower Upper
164 100
162 95.7 79.0 118.6
160 44.2 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 11.888 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.018 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

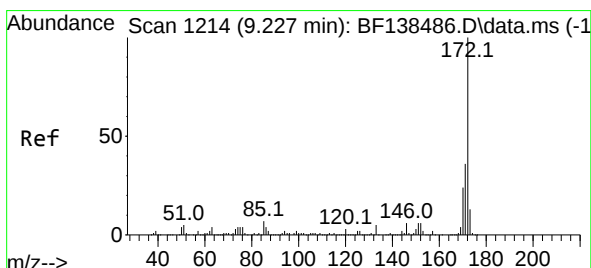
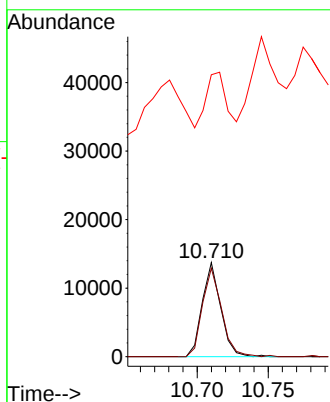
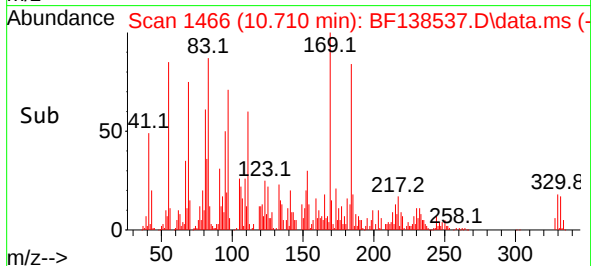
Instrument :
BNA_F
ClientSampleId :
OR-02-070924



Tgt Ion: 330 Resp: 1245
Ion Ratio Lower Upper
330 100
332 98.2 76.8 115.2
141 61.8 29.4 44.2

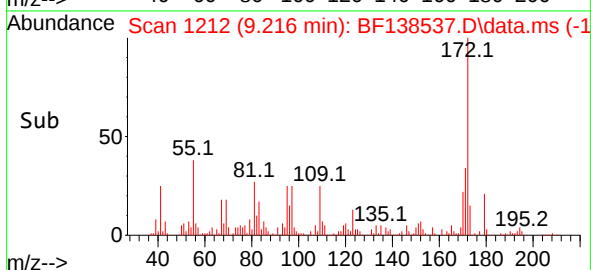
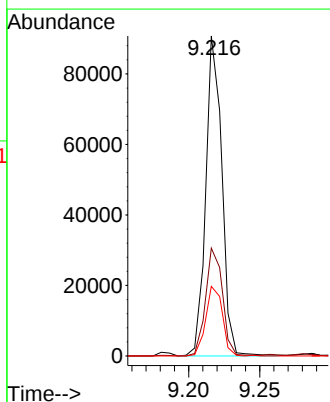
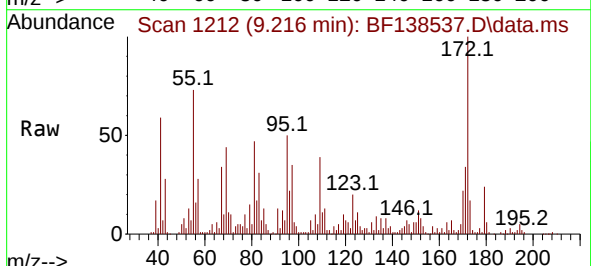
Manual Integrations
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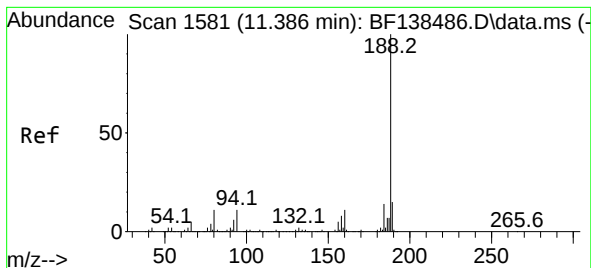
Reviewed By : Jagrut Upadhyay 07/12/2024
Supervised By : mohammad ahmed 07/13/2024



#45
2-Fluorobiphenyl
Concen: 10.010 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

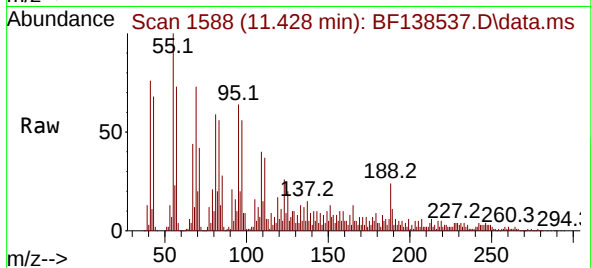
Tgt Ion: 172 Resp: 71779
Ion Ratio Lower Upper
172 100
171 33.7 28.9 43.3
170 21.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1588
Delta R.T. 0.041 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

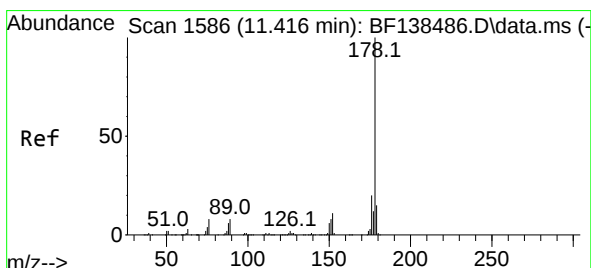
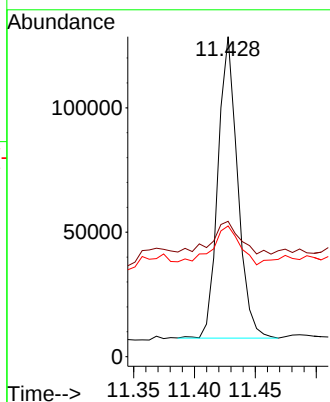
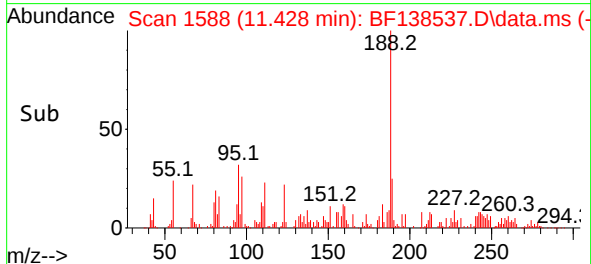
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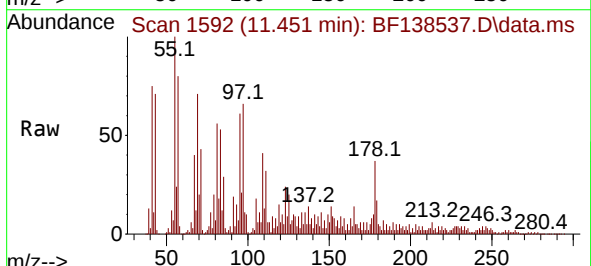
Tgt Ion:188 Resp: 136035
Ion Ratio Lower Upper
188 100
94 42.3 8.7 13.1
80 40.9 9.0 13.4

Manual Integrations
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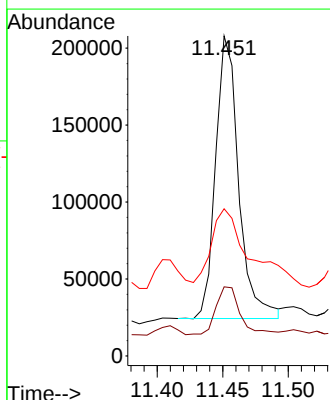
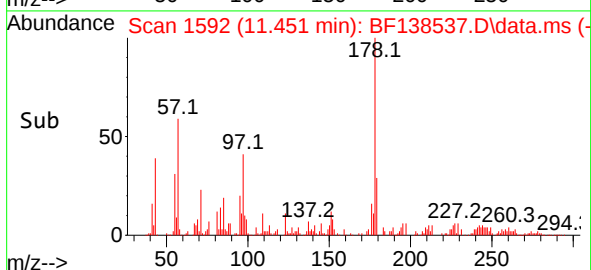
Reviewed By :Jagrut Upadhyay 07/12/2024
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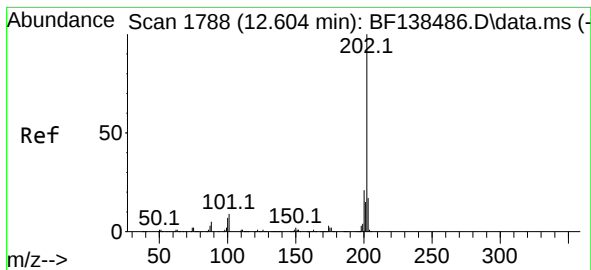


#71
Phenanthrene
Concen: 32.693 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.036 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23



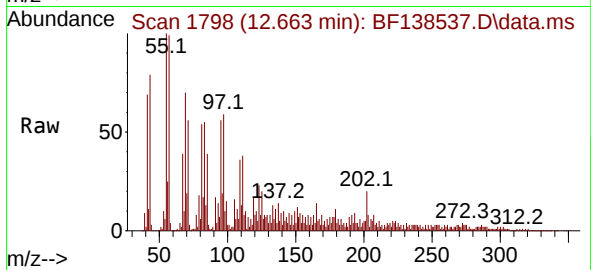
Tgt Ion:178 Resp: 224685
Ion Ratio Lower Upper
178 100
176 21.6 15.7 23.5
179 46.0 12.2 18.2





#75
Fluoranthene
Concen: 14.670 ng
RT: 12.663 min Scan# 1798
Delta R.T. 0.059 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

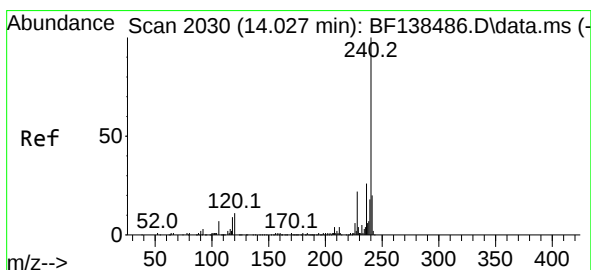
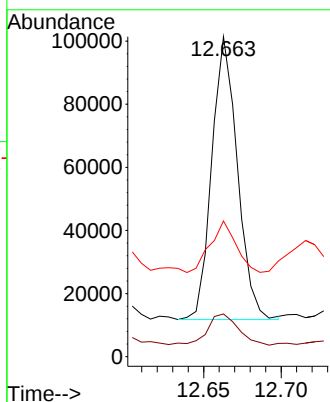
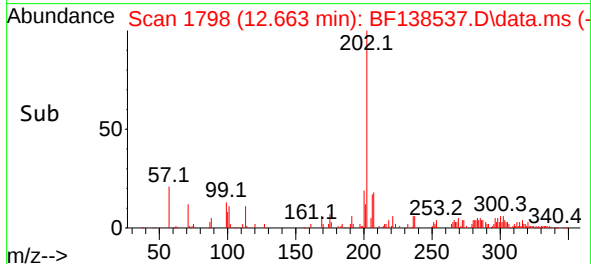
Instrument :
BNA_F
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Tgt Ion:202 Resp: 102879
Ion Ratio Lower Upper
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203 42.4 0.0 37.3

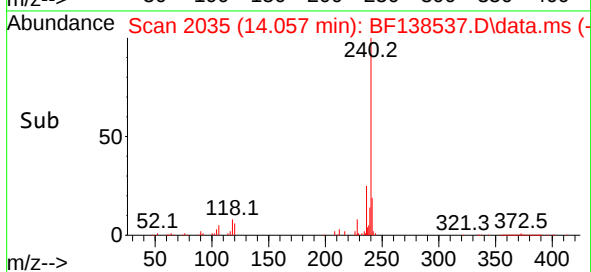
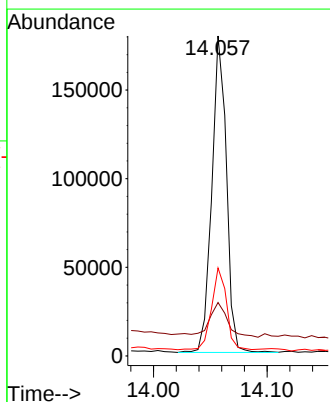
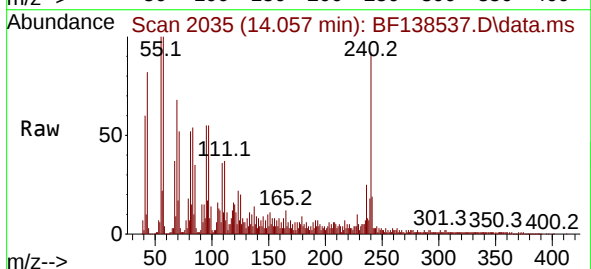
Manual Integrations
APPROVED

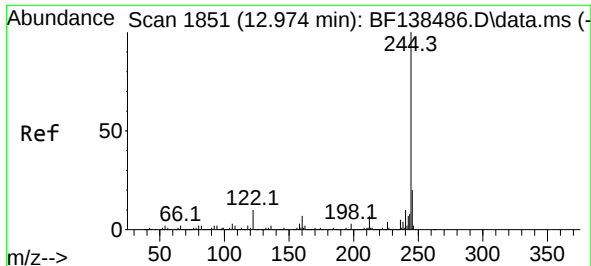
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.030 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Tgt Ion:240 Resp: 159108
Ion Ratio Lower Upper
240 100
120 16.7 8.6 12.8#
236 27.5 21.0 31.6





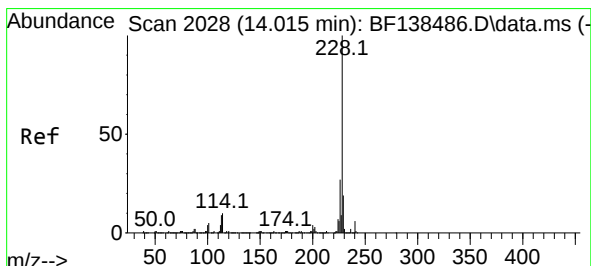
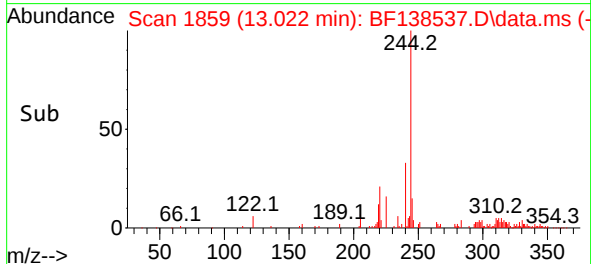
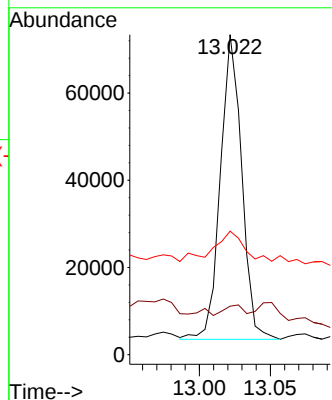
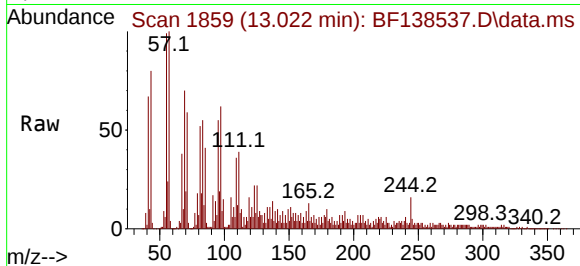
#79
Terphenyl-d14
Concen: 7.463 ng
RT: 13.022 min Scan# 1851
Delta R.T. 0.047 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Instrument :
BNA_F
ClientSampleId :
OR-02-070924

Tgt Ion:244 Resp: 7288
Ion Ratio Lower Upper
244 100
212 15.1 5.5 8.3
122 38.6 7.8 11.8

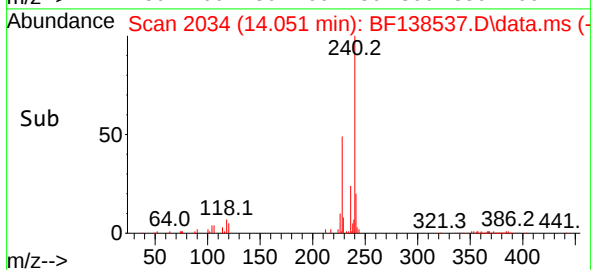
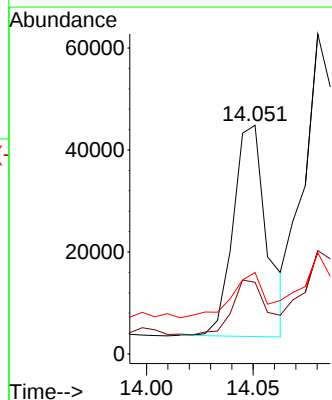
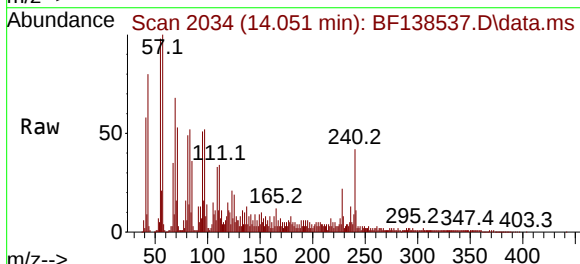
Manual Integrations
APPROVED

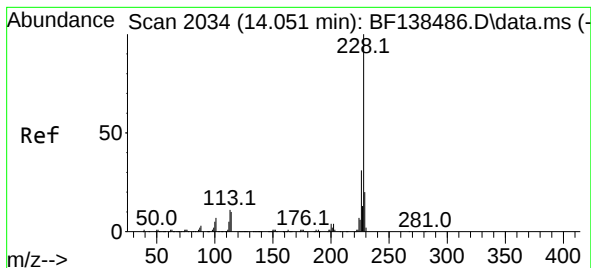
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#81
Benzo(a)anthracene
Concen: 4.279 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.036 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Tgt Ion:228 Resp: 45687
Ion Ratio Lower Upper
228 100
226 31.4 21.9 32.9
229 35.6 15.5 23.3





#83

Chrysene

Concen: 6.413 ng

RT: 14.080 min Scan# 2034

Delta R.T. 0.030 min

Lab File: BF138537.D

Acq: 11 Jul 2024 22:23

Instrument :

BNA_F

ClientSampleId :

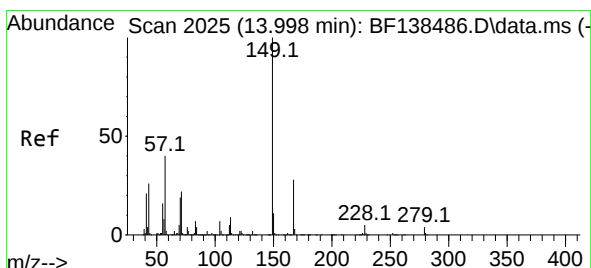
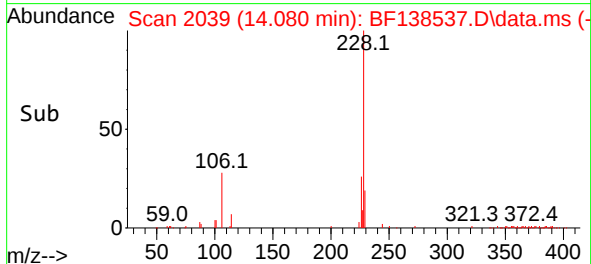
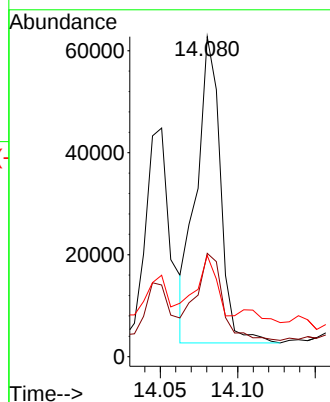
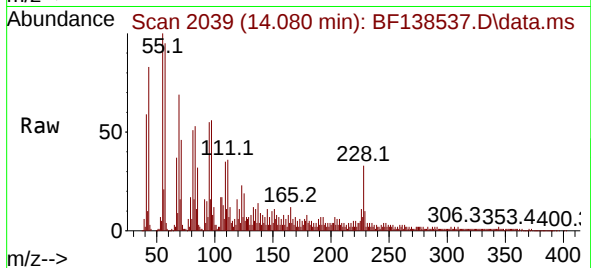
OR-02-070924

Tgt Ion:228 Resp: 64760
 Ion Ratio Lower Upper
 228 100
 226 32.3 24.4 36.6
 229 31.6 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/13/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.610 ng

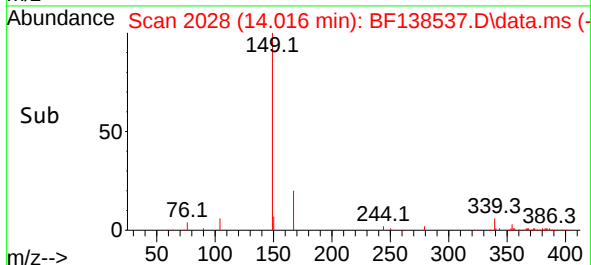
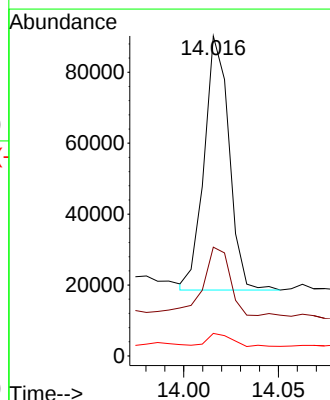
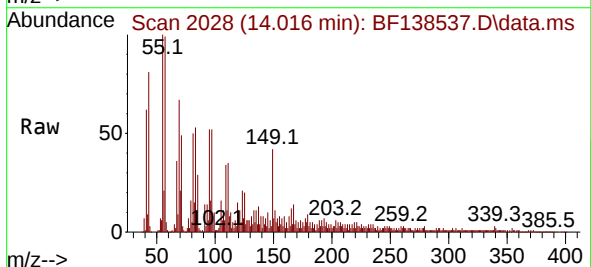
RT: 14.016 min Scan# 2028

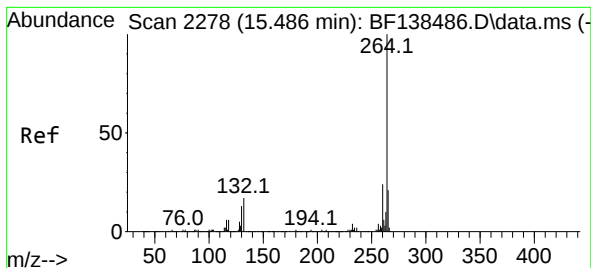
Delta R.T. 0.018 min

Lab File: BF138537.D

Acq: 11 Jul 2024 22:23

Tgt Ion:149 Resp: 65344
 Ion Ratio Lower Upper
 149 100
 167 34.0 22.5 33.7#
 279 7.0 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.018 min

Lab File: BF138537.D

Acq: 11 Jul 2024 22:23

Instrument :

BNA_F

ClientSampleId :

OR-02-070924

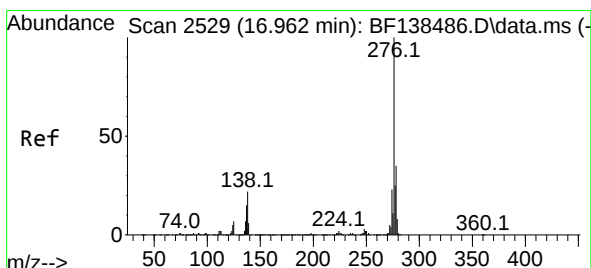
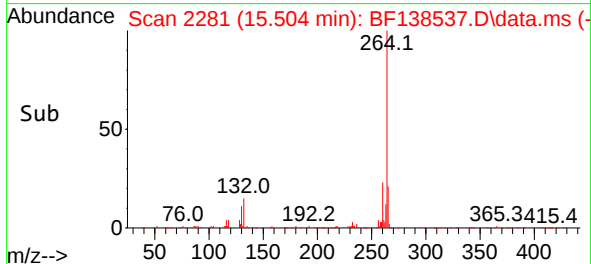
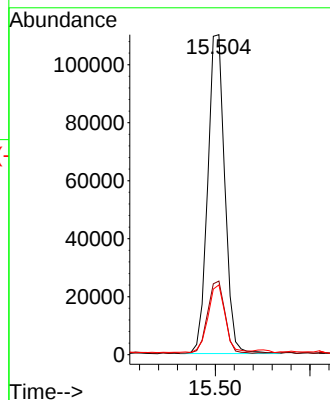
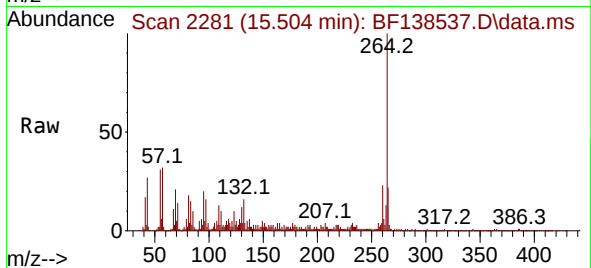
Tgt Ion:264 Resp: 137030

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.8	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.006 ng

RT: 16.962 min Scan# 2529

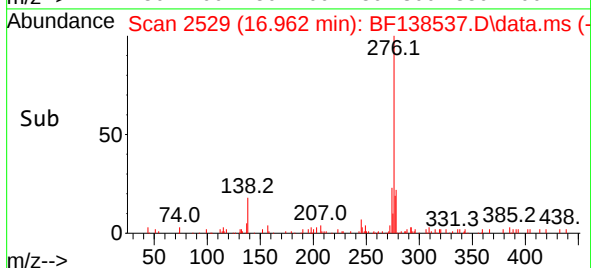
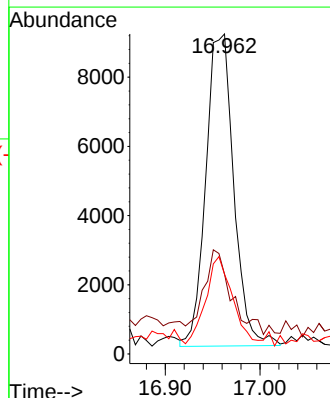
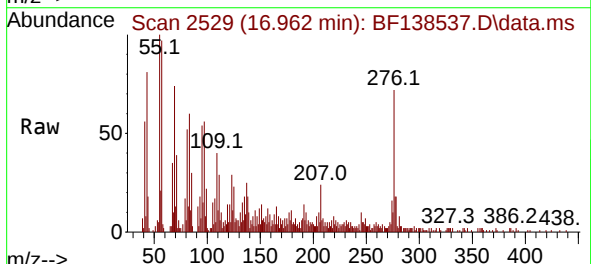
Delta R.T. 0.000 min

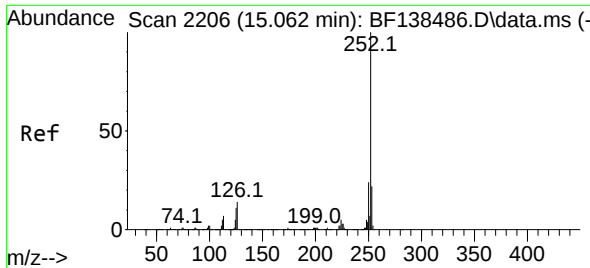
Lab File: BF138537.D

Acq: 11 Jul 2024 22:23

Tgt Ion:276 Resp: 18463

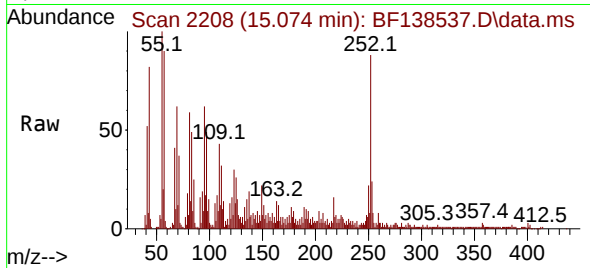
Ion	Ratio	Lower	Upper
276	100		
138	26.9	19.6	29.4
277	26.4	20.5	30.7





#88
Benzo(b)fluoranthene
Concen: 8.223 ng m
RT: 15.074 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

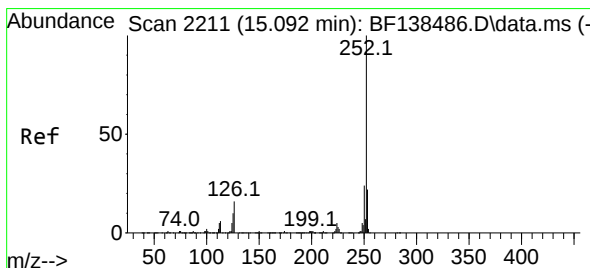
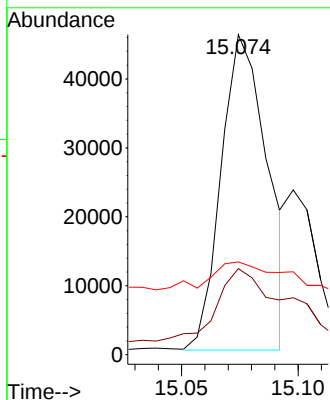
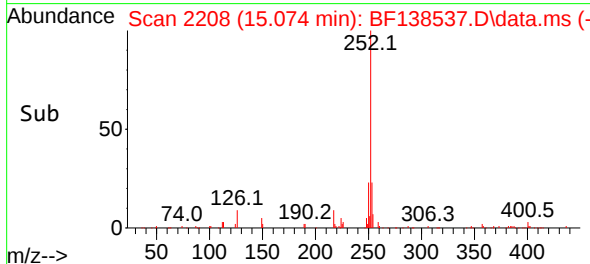
Instrument :
BNA_F
ClientSampleId :
OR-02-070924



Tgt Ion:252 Resp: 6345
Ion Ratio Lower Upper
252 100
253 26.9 17.3 25.9#
125 29.0 8.6 13.0#

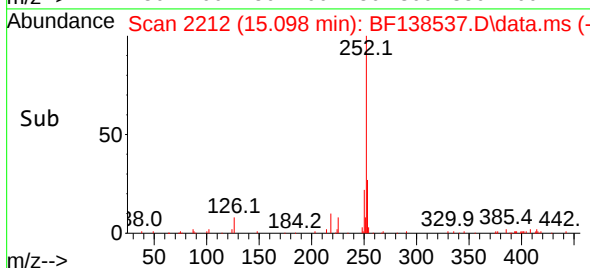
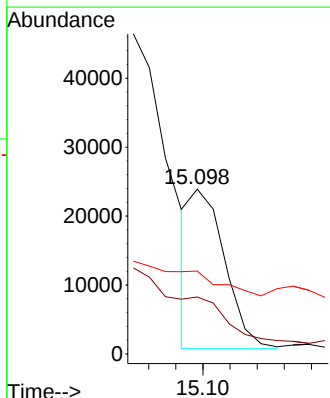
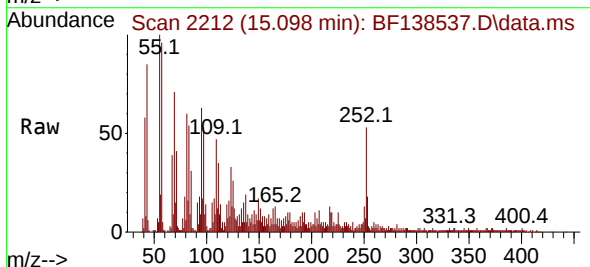
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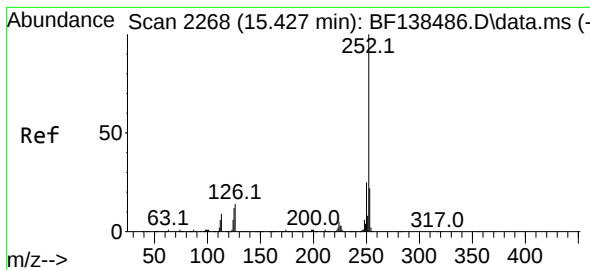
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#89
Benzo(k)fluoranthene
Concen: 2.694 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Tgt Ion:252 Resp: 20278
Ion Ratio Lower Upper
252 100
253 34.6 17.7 26.5#
125 50.3 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 4.585 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Instrument :

BNA_F

ClientSampleId :

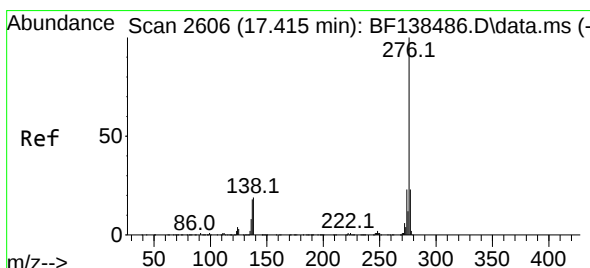
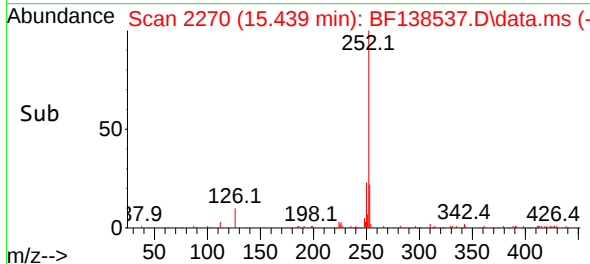
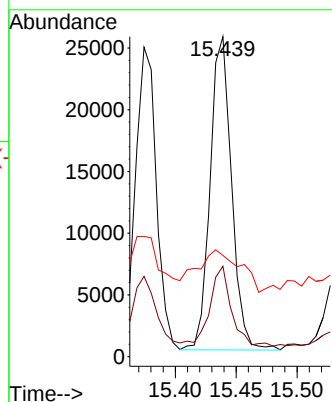
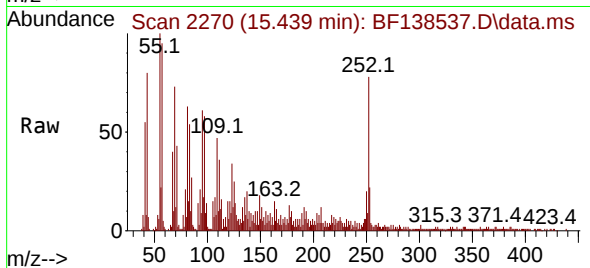
OR-02-070924

Tgt Ion:252 Resp: 3108
Ion Ratio Lower Upper
252 100
253 28.2 17.4 26.0
125 31.6 9.4 14.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/13/2024



#92
Benzo(g,h,i)perylene
Concen: 2.439 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.017 min
Lab File: BF138537.D
Acq: 11 Jul 2024 22:23

Tgt Ion:276 Resp: 19474
Ion Ratio Lower Upper
276 100
277 24.3 18.0 27.0
138 23.0 15.5 23.3

