

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138556.D
 Acq On : 12 Jul 2024 20:08
 Operator : CG\JU
 Sample : P3207-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-2929

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/15/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 12 23:14:03 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	93218	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	246922	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	160428	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	193394	20.000	ng	# 0.02
76) Chrysene-d12	14.092	240	55049	20.000	ng	# 0.06
86) Perylene-d12	15.539	264	93824	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514241	87.369	ng	0.00
7) Phenol-d6	6.498	99	646555	82.574	ng	0.00
23) Nitrobenzene-d5	7.428	82	384951	76.543	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	95660	63.801	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	470752	45.861	ng	0.00
79) Terphenyl-d14	13.021	244	364817	107.964	ng	0.05
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	99823	10.217	ng	# 65
75) Fluoranthene	12.657	202	168223m	16.873	ng	
78) Pyrene	12.886	202	162046	28.998	ng	# 1
81) Benzo(a)anthracene	14.080	228	50131	13.572	ng	# 15
83) Chrysene	14.115	228	54945	15.724	ng	# 36
84) Bis(2-ethylhexyl)phtha...	14.068	149	38539	21.496	ng	# 76
87) Indeno(1,2,3-cd)pyrene	16.992	276	64055	10.164	ng	97
88) Benzo(b)fluoranthene	15.121	252	132215m	25.022	ng	
89) Benzo(k)fluoranthene	15.145	252	31079m	6.031	ng	
90) Benzo(a)pyrene	15.480	252	78638	16.942	ng	# 77
91) Dibenzo(a,h)anthracene	16.998	278	17560	3.406	ng	# 53
92) Benzo(g,h,i)perylene	17.445	276	70356	12.870	ng	94

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

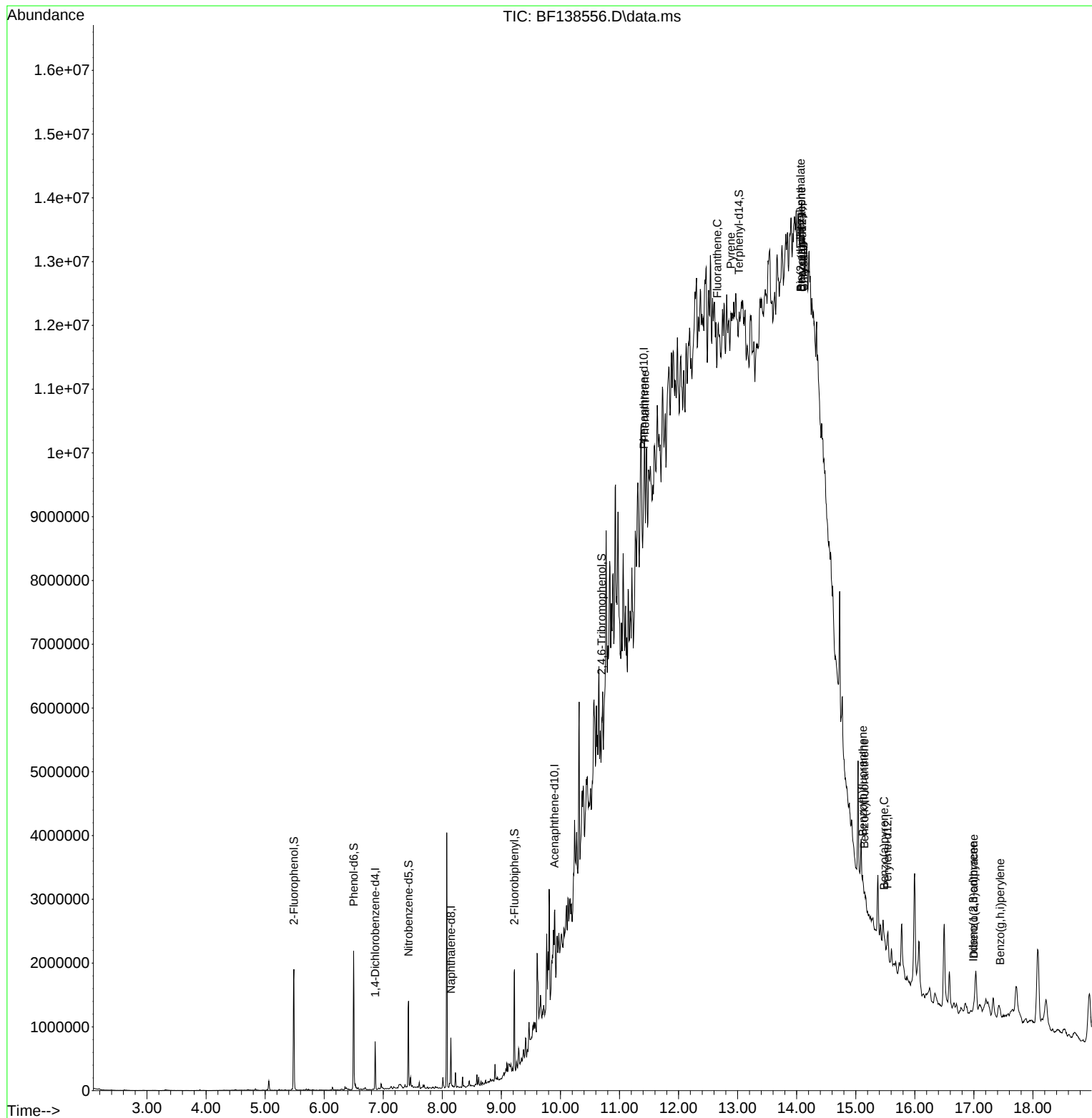
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
Data File : BF138556.D
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ALS Vial : 18 Sample Multiplier: 1

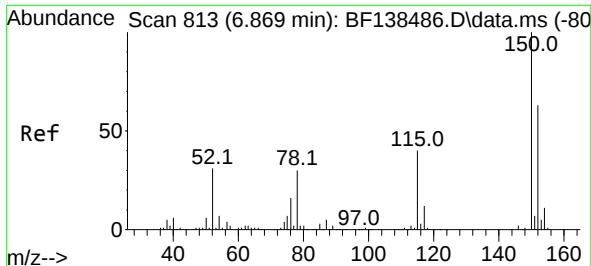
Instrument :
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Quant Time: Jul 12 23:14:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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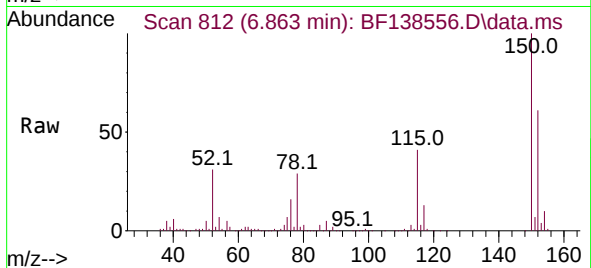
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

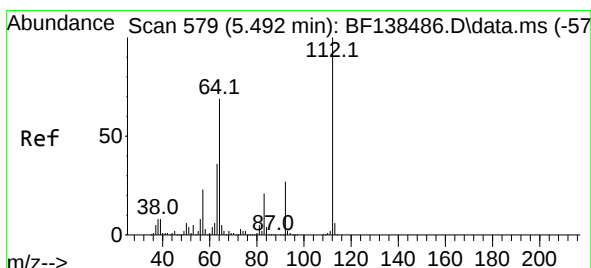
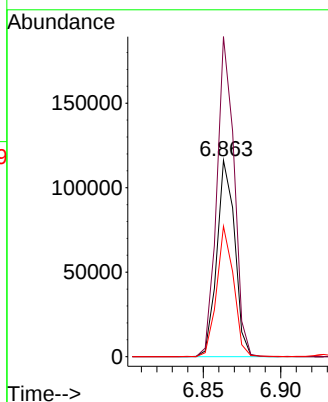
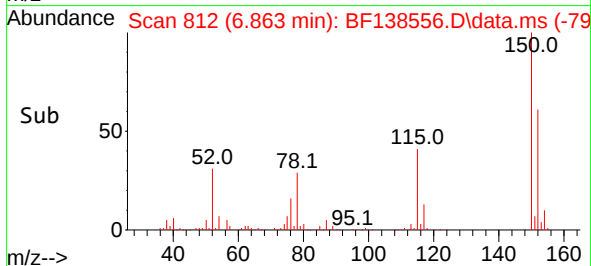
Instrument :
BNA_F
ClientSampleId :
RT-2929



Tgt Ion:152 Resp: 93218
Ion Ratio Lower Upper
152 100
150 163.1 126.2 189.4
115 66.4 50.3 75.5

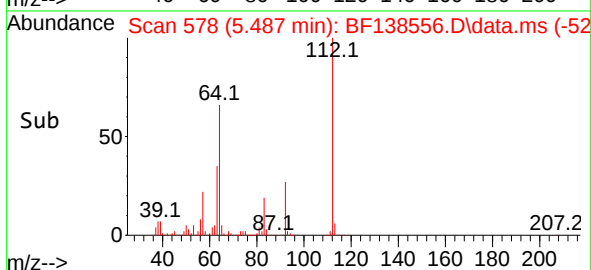
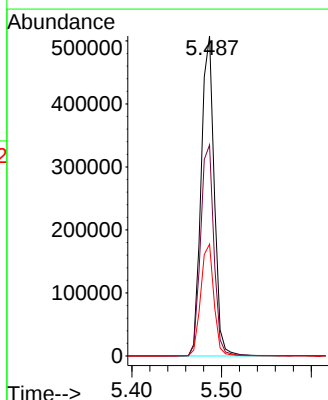
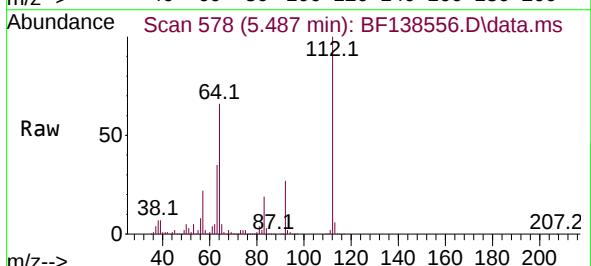
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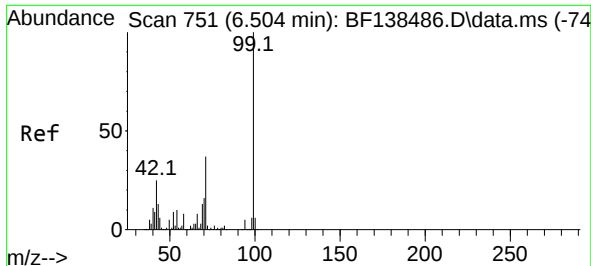
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#5
2-Fluorophenol
Concen: 87.369 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

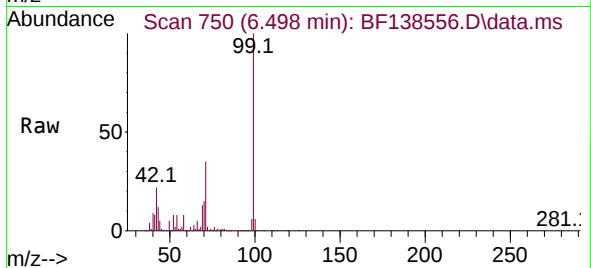
Tgt Ion:112 Resp: 514241
Ion Ratio Lower Upper
112 100
64 65.9 55.1 82.7
63 35.0 29.0 43.6





#7
Phenol-d6
Concen: 82.574 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

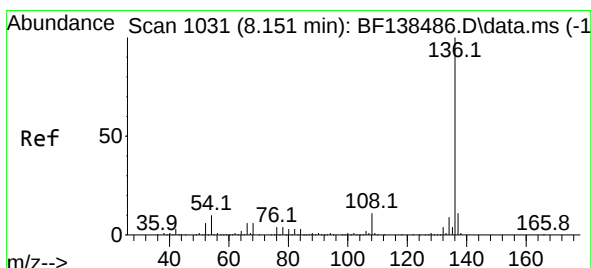
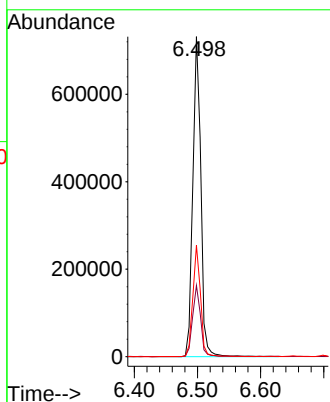
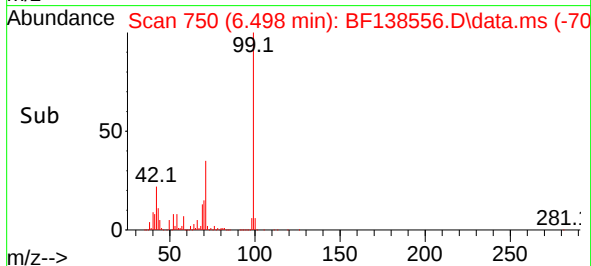
Instrument :
BNA_F
ClientSampleId :
RT-2929



Tgt Ion: 99 Resp: 64655
Ion Ratio Lower Upper
99 100
42 22.3 19.7 29.5
71 34.8 29.9 44.9

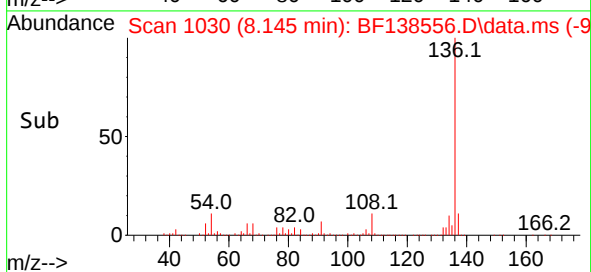
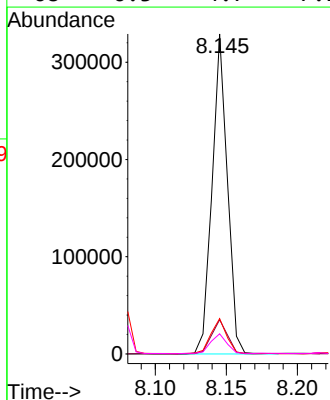
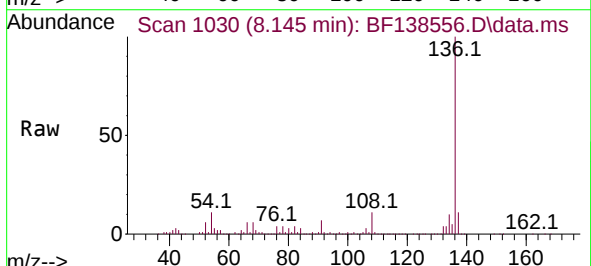
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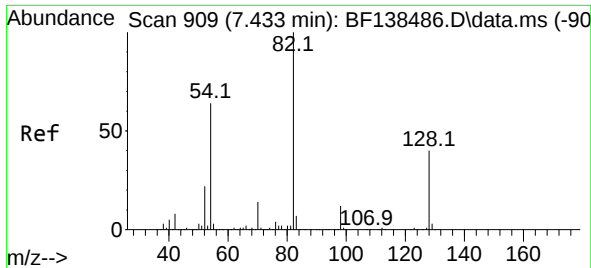
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:136 Resp: 246922
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 11.0 8.1 12.1
68 6.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 76.543 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

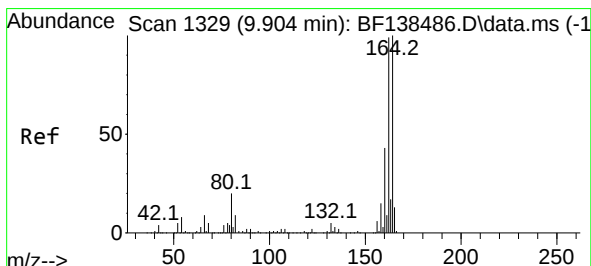
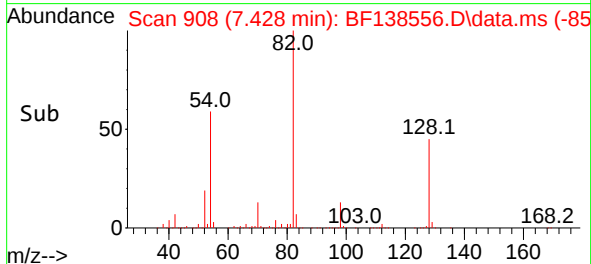
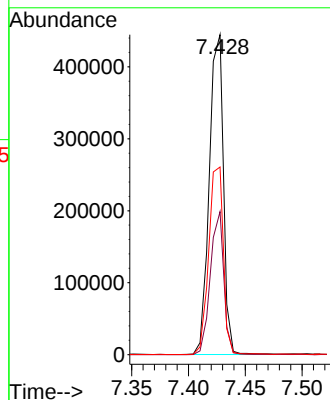
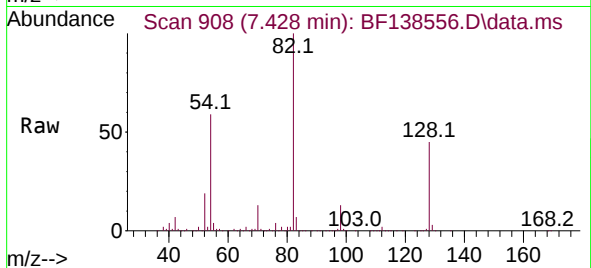
ClientSampleId :

RT-2929

Tgt Ion: 82 Resp: 38495
Ion Ratio Lower Upper
82 100
128 44.7 32.3 48.5
54 58.7 51.4 77.0

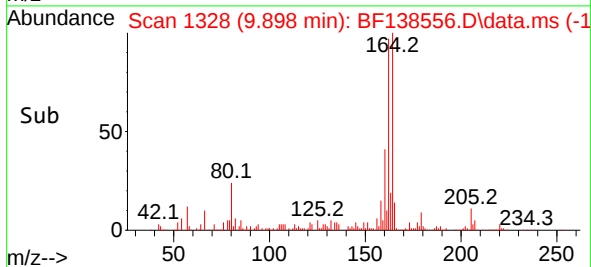
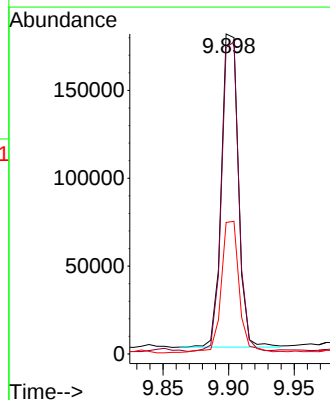
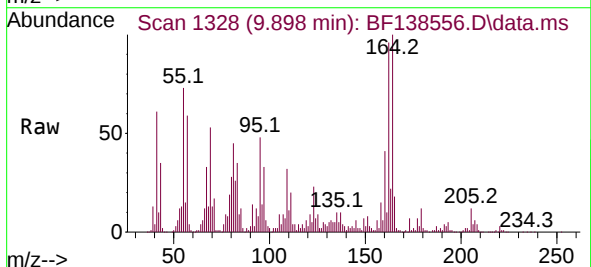
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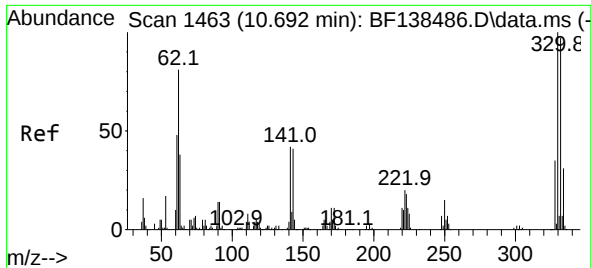
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

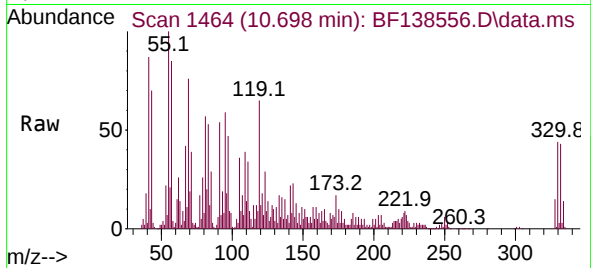
Tgt Ion:164 Resp: 160428
Ion Ratio Lower Upper
164 100
162 95.8 79.0 118.6
160 41.1 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 63.801 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

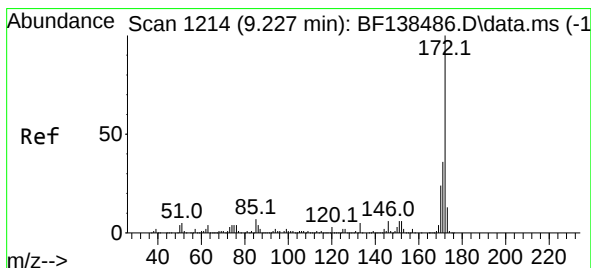
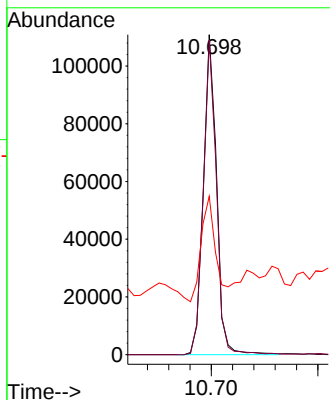
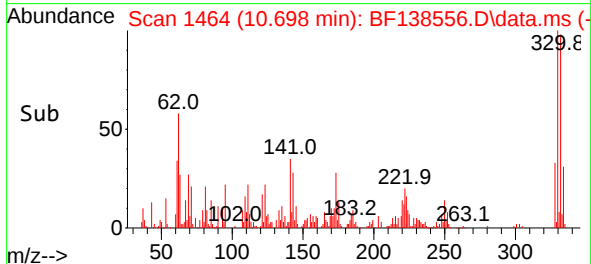
Instrument :
BNA_F
ClientSampleId :
RT-2929



Tgt Ion: 330 Resp: 95660
Ion Ratio Lower Upper
330 100
332 97.5 76.8 115.2
141 36.3 29.4 44.2

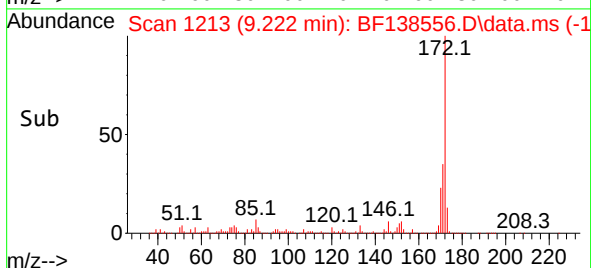
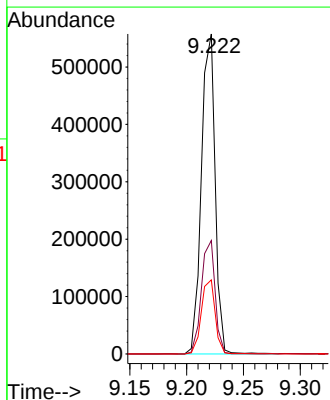
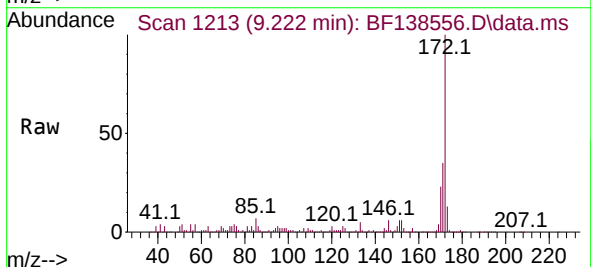
Manual Integrations
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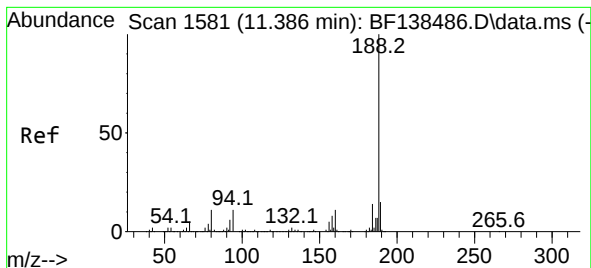
Reviewed By : Yogesh Patel 07/15/2024
Supervised By : mohammad ahmed 07/19/2024



#45
2-Fluorobiphenyl
Concen: 45.861 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion: 172 Resp: 470752
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.2 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.024 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

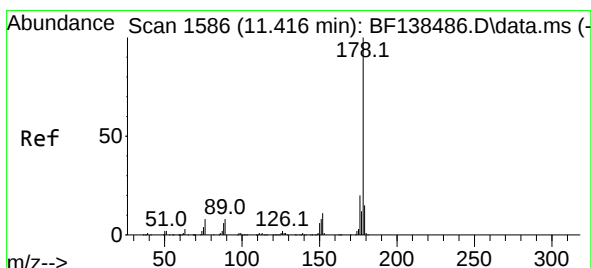
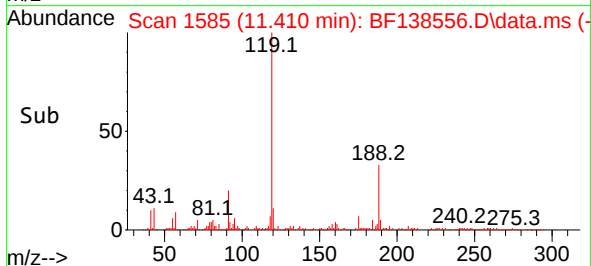
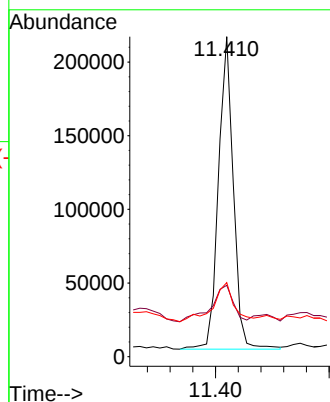
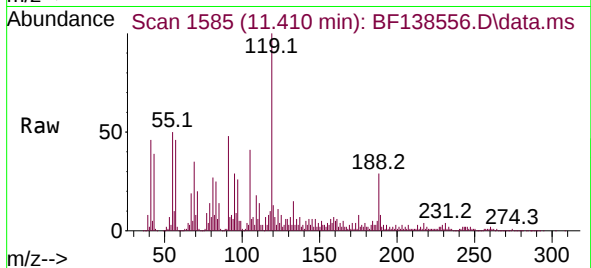
Tgt Ion:188	Resp: 193394
Ion Ratio	Lower Upper
188	100
94	22.3 8.7 13.1
80	23.1 9.0 13.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/15/2024

Supervised By :mohammad ahmed 07/19/2024



#71

Phenanthrene

Concen: 10.217 ng

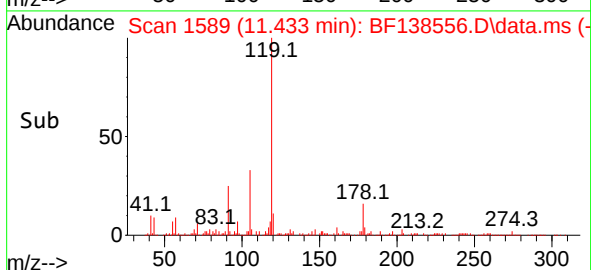
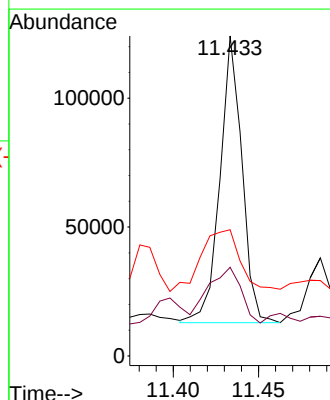
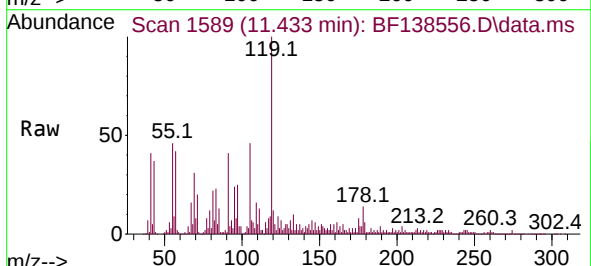
RT: 11.433 min Scan# 1589

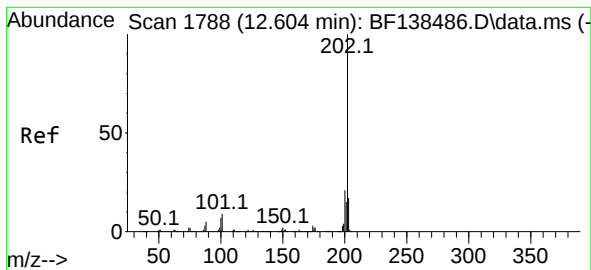
Delta R.T. 0.018 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

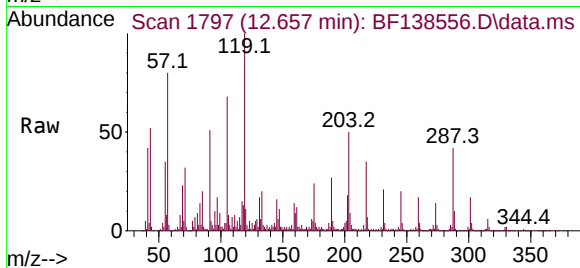
Tgt Ion:178	Resp: 99823
Ion Ratio	Lower Upper
178	100
176	27.7 15.7 23.5#
179	39.5 12.2 18.2#





#75
Fluoranthene
Concen: 16.873 ng m
RT: 12.657 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

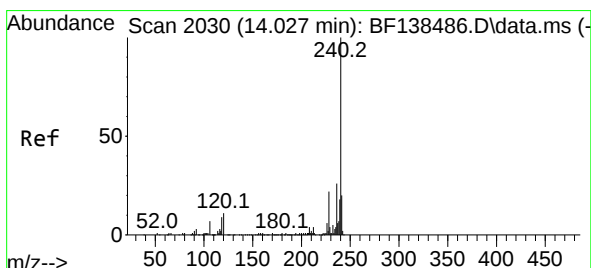
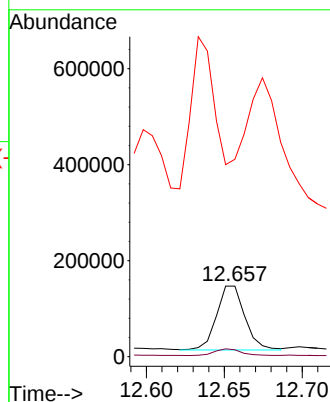
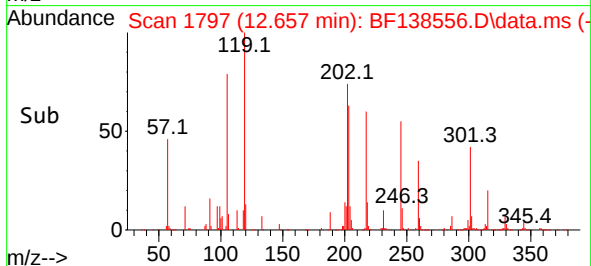
Instrument :
BNA_F
ClientSampleId :
RT-2929



Tgt Ion:202 Resp: 16822
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.2
203 280.0 0.0 37.3

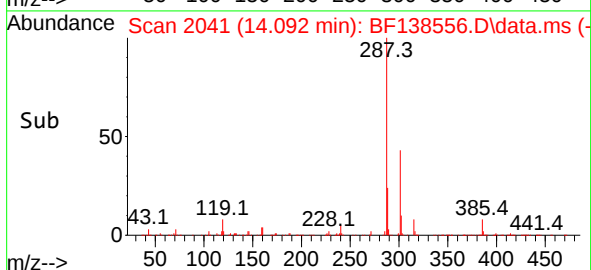
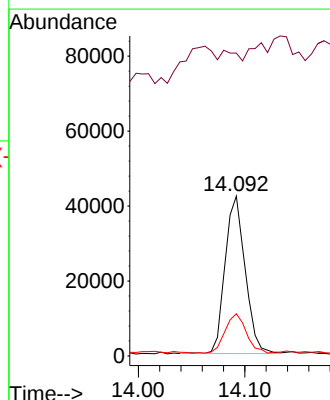
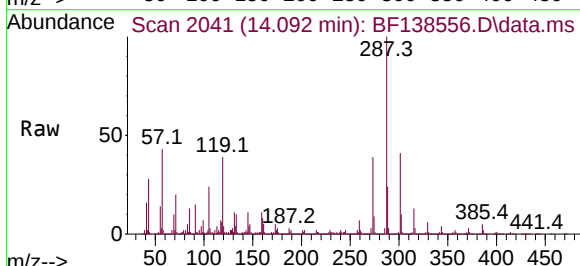
Manual Integrations
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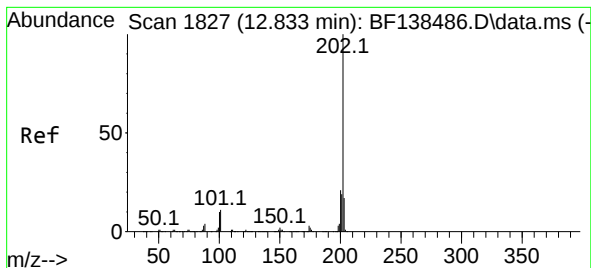
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.065 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:240 Resp: 55049
Ion Ratio Lower Upper
240 100
120 189.5 8.6 12.8#
236 26.4 21.0 31.6





#78

Pyrene

Concen: 28.998 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

Tgt Ion:202 Resp: 162040

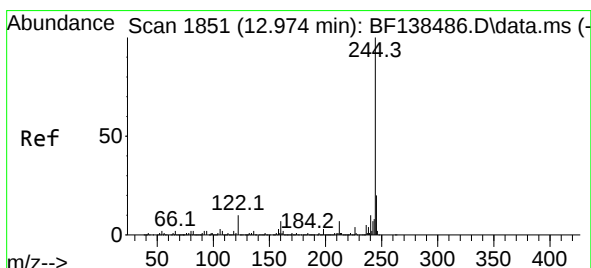
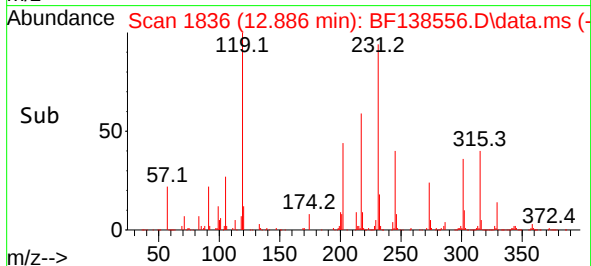
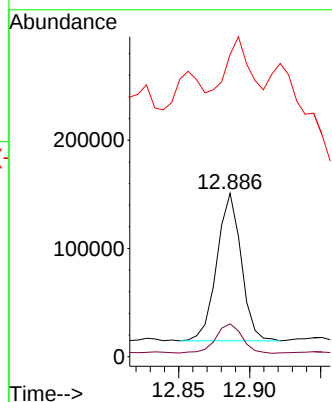
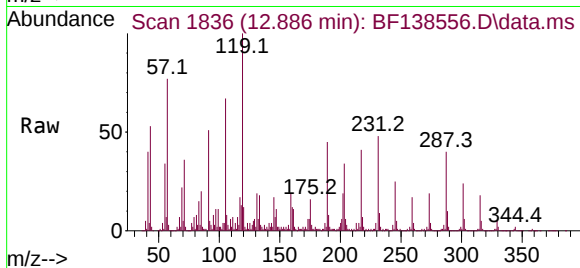
Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	185.1	13.7	20.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/15/2024

Supervised By :mohammad ahmed 07/19/2024



#79

Terphenyl-d14

Concen: 107.964 ng

RT: 13.021 min Scan# 1859

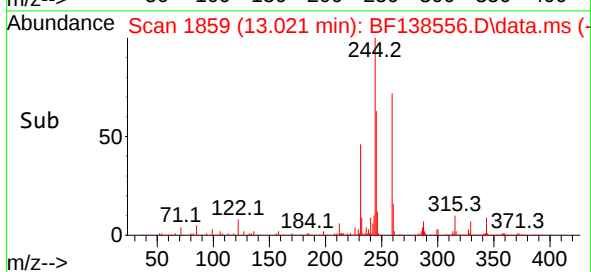
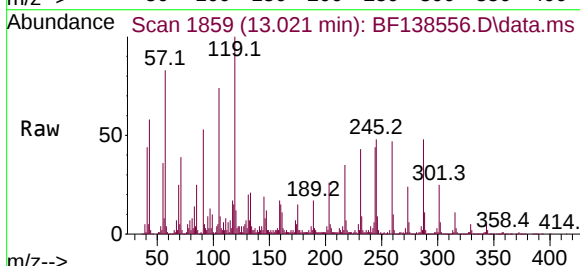
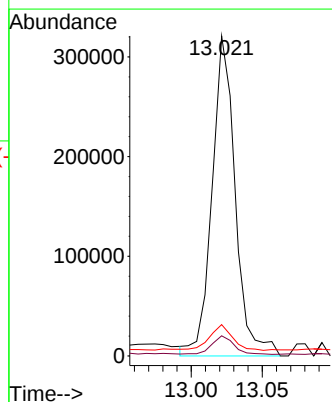
Delta R.T. 0.047 min

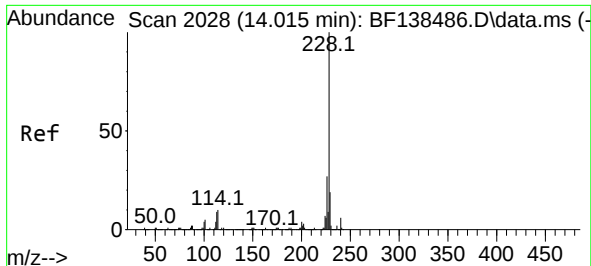
Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Tgt Ion:244 Resp: 364817

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	9.8	7.8	11.8





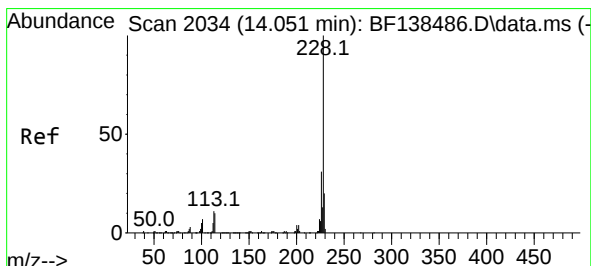
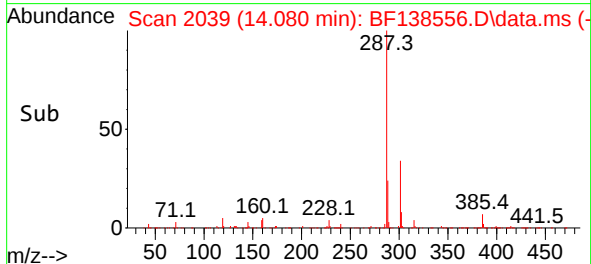
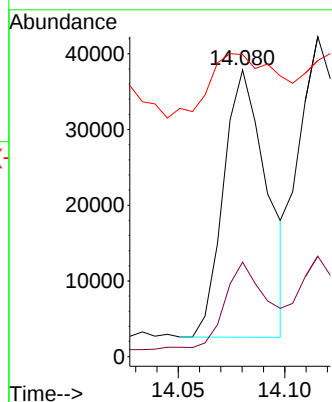
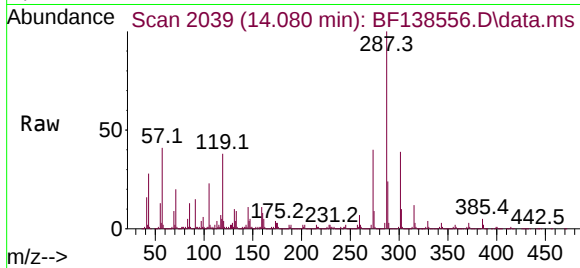
#81
Benzo(a)anthracene
Concen: 13.572 ng
RT: 14.080 min Scan# 2028
Delta R.T. 0.065 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Instrument :
BNA_F
ClientSampleId :
RT-2929

Tgt Ion:228 Resp: 5013
Ion Ratio Lower Upper
228 100
226 33.0 21.9 32.9
229 105.4 15.5 23.3

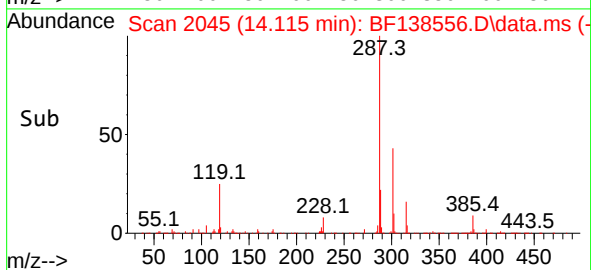
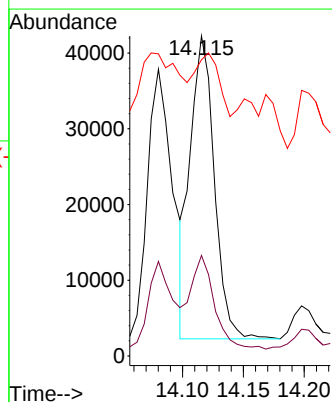
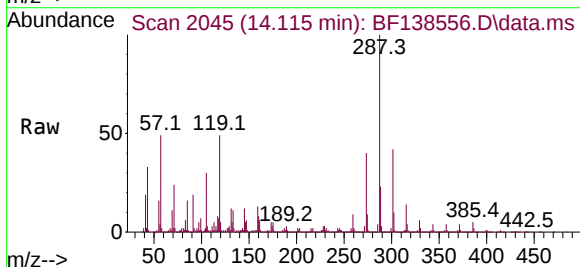
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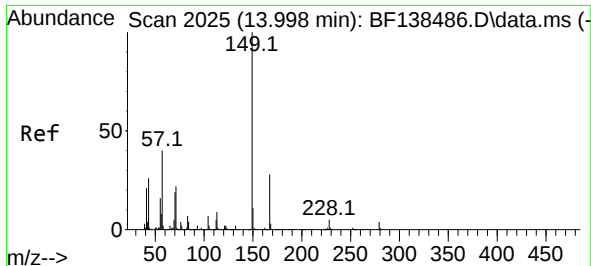
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#83
Chrysene
Concen: 15.724 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.065 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:228 Resp: 54945
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 92.6 16.0 24.0





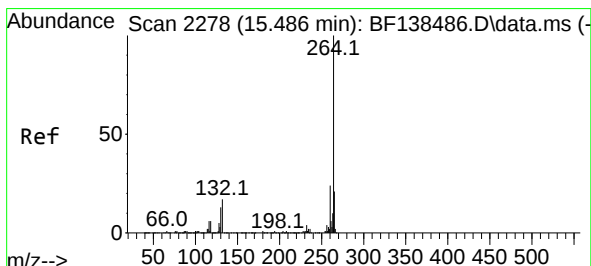
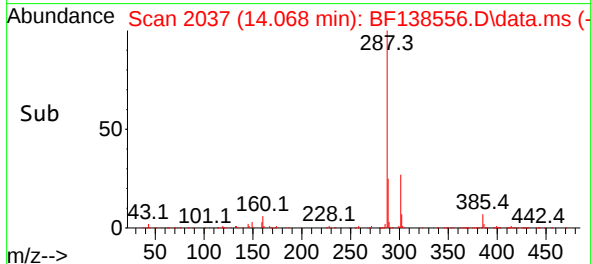
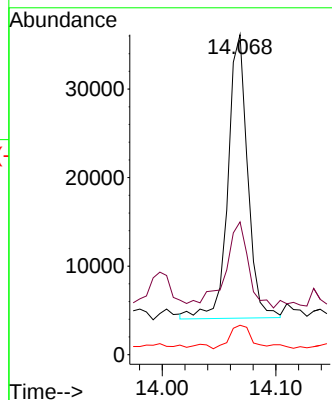
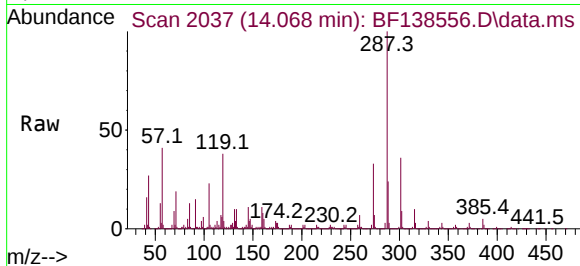
#84
Bis(2-ethylhexyl)phthalate
Concen: 21.496 ng
RT: 14.068 min Scan# 2025
Delta R.T. 0.071 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Instrument :
BNA_F
ClientSampleId :
RT-2929

Tgt Ion:149 Resp: 38539
Ion Ratio Lower Upper
149 100
167 41.5 22.5 33.7
279 9.2 3.0 4.6

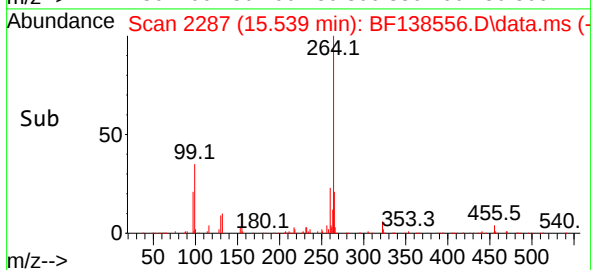
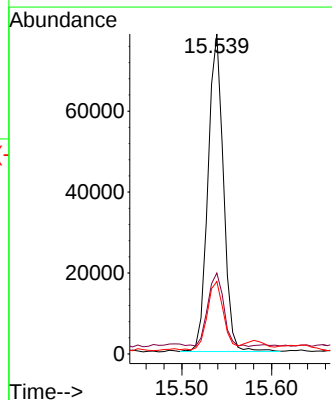
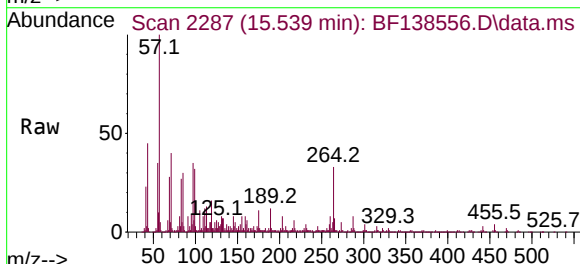
Manual Integrations
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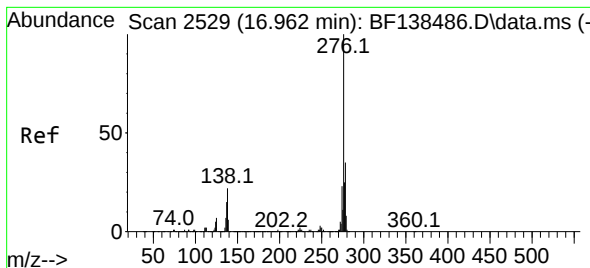
Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. 0.053 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:264 Resp: 93824
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.6
265 22.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.164 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNA_F

ClientSampleId :

RT-2929

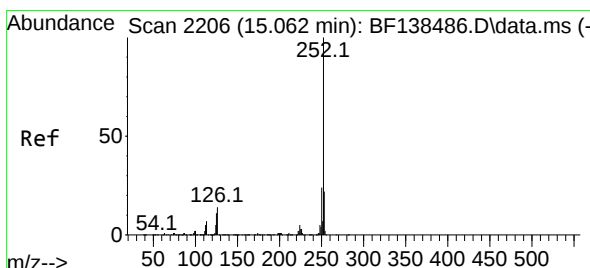
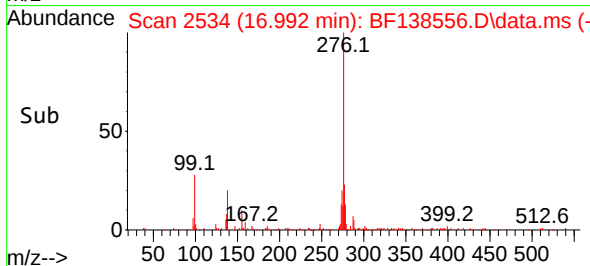
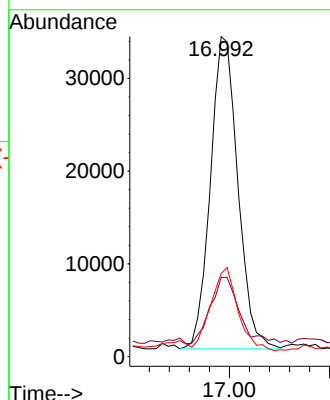
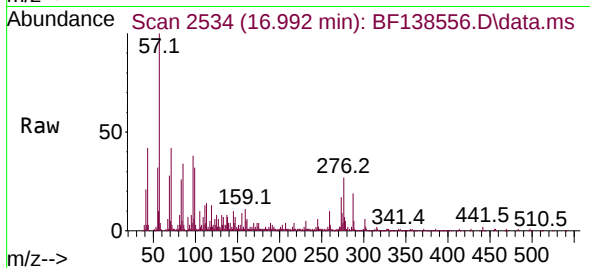
Tgt Ion:	276	Resp:	6405
Ion Ratio	Lower	Upper	
276	100		
138	22.4	19.6	29.4
277	26.3	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/15/2024

Supervised By :mohammad ahmed 07/19/2024



#88

Benzo(b)fluoranthene

Concen: 25.022 ng m

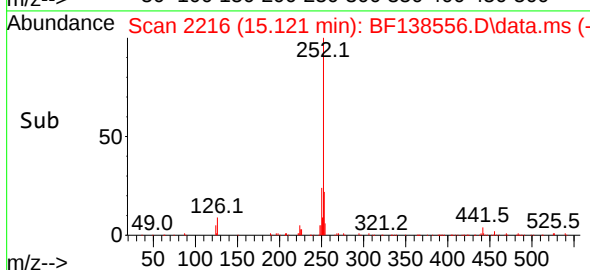
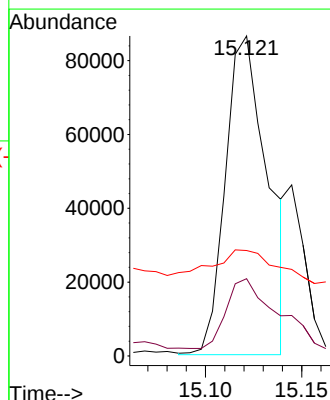
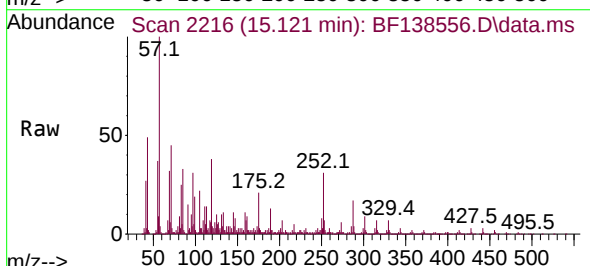
RT: 15.121 min Scan# 2216

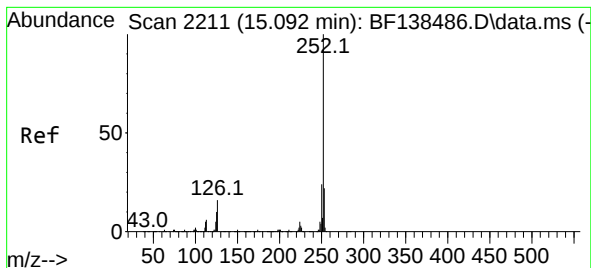
Delta R.T. 0.059 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Tgt Ion:	252	Resp:	132215
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.3	25.9
125	32.9	8.6	13.0





#89

Benzo(k)fluoranthene

Concen: 6.031 ng m

RT: 15.145 min Scan# 2107

Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Instrument :

BNF

ClientSampleId :

RT-2929

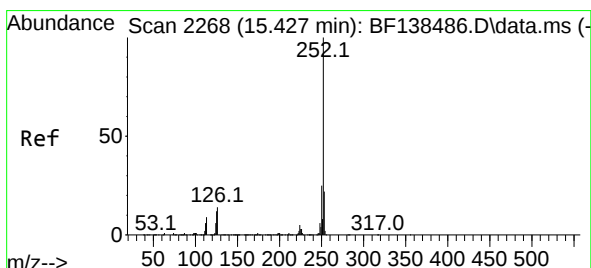
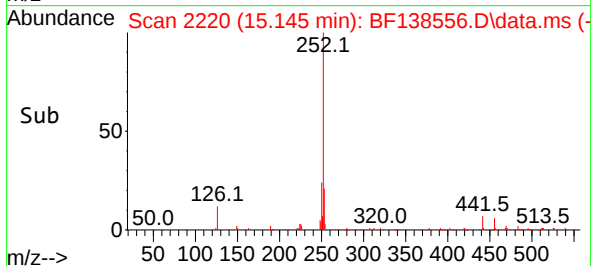
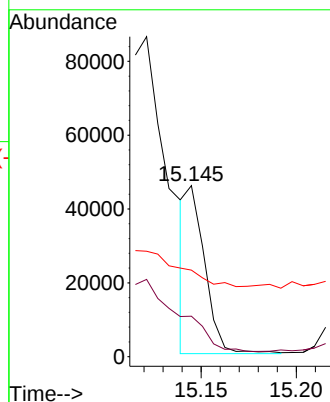
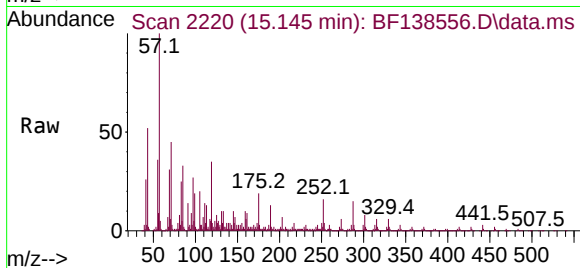
Tgt Ion:252	Resp:	31079
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.7 26.5
125	50.6	8.1 12.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/15/2024

Supervised By :mohammad ahmed 07/19/2024



#90

Benzo(a)pyrene

Concen: 16.942 ng

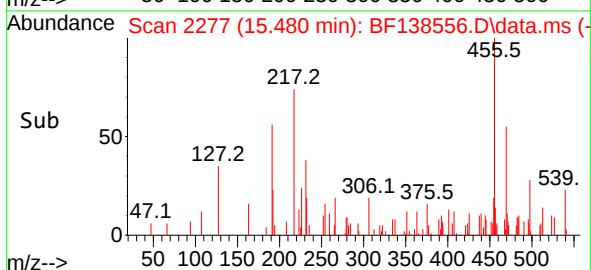
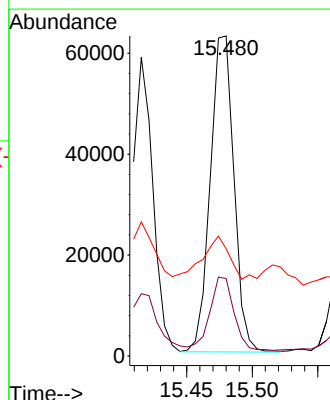
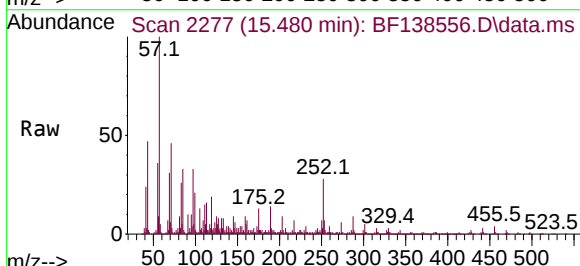
RT: 15.480 min Scan# 2277

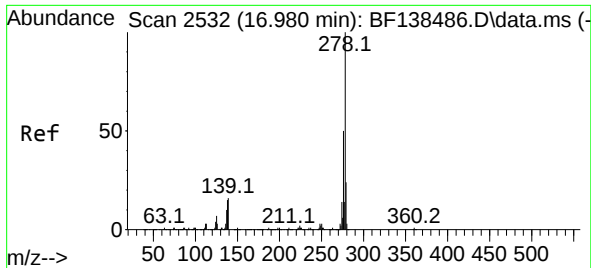
Delta R.T. 0.053 min

Lab File: BF138556.D

Acq: 12 Jul 2024 20:08

Tgt Ion:252	Resp:	78638
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.4 26.0
125	33.5	9.4 14.2





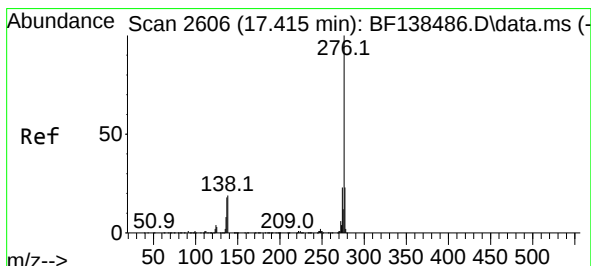
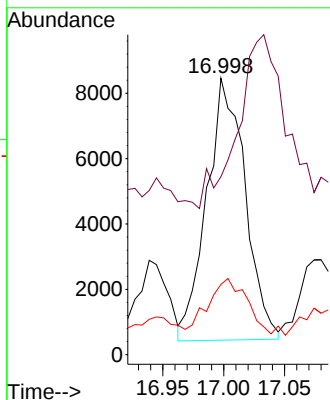
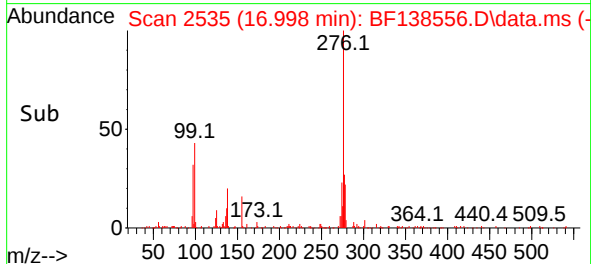
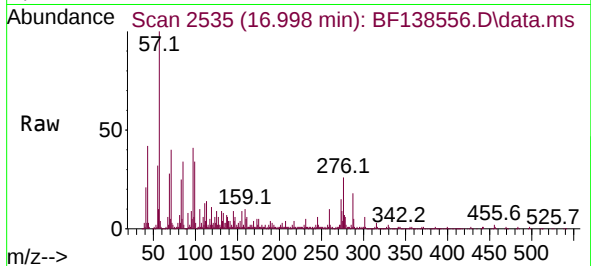
#91
Dibenzo(a,h)anthracene
Concen: 3.406 ng
RT: 16.998 min Scan# 2111
Delta R.T. 0.018 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Instrument :
BNA_F
ClientSampleId :
RT-2929

Tgt Ion:278 Resp: 17560
Ion Ratio Lower Upper
278 100
139 64.3 12.8 19.2
279 25.4 19.1 28.7

Manual Integrations
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Reviewed By :Yogesh Patel 07/15/2024
Supervised By :mohammad ahmed 07/19/2024



#92
Benzo(g,h,i)perylene
Concen: 12.870 ng
RT: 17.445 min Scan# 2611
Delta R.T. 0.029 min
Lab File: BF138556.D
Acq: 12 Jul 2024 20:08

Tgt Ion:276 Resp: 70356
Ion Ratio Lower Upper
276 100
277 24.7 18.0 27.0
138 23.1 15.5 23.3

