

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138317.D
 Acq On : 24 Jun 2024 18:42
 Operator : CG\JU
 Sample : P2977-21
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 25 01:16:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	228039	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	800824	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	360246	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	546478	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	478740	20.000	ng	-0.01
86) Perylene-d12	15.515	264	366837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	974586	71.493	ng	0.00
7) Phenol-d6	6.510	99	1173583	67.893	ng	-0.01
23) Nitrobenzene-d5	7.445	82	696878	50.660	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	240505	67.062	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1292655	57.059	ng	-0.01
79) Terphenyl-d14	12.992	244	1325500	43.852	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	79303	2.934	ng	96
75) Fluoranthene	12.616	202	260880	9.467	ng	98
78) Pyrene	12.845	202	243526	5.897	ng	96
81) Benzo(a)anthracene	14.033	228	142653	4.645	ng	99
83) Chrysene	14.068	228	140357	4.794	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	84656	6.480	ng	100
87) Indeno(1,2,3-cd)pyrene	16.986	276	53405	2.233	ng	97
88) Benzo(b)fluoranthene	15.080	252	157398m	7.276	ng	
90) Benzo(a)pyrene	15.451	252	91125	4.903	ng	# 98
92) Benzo(g,h,i)perylene	17.433	276	54657	2.692	ng	99

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

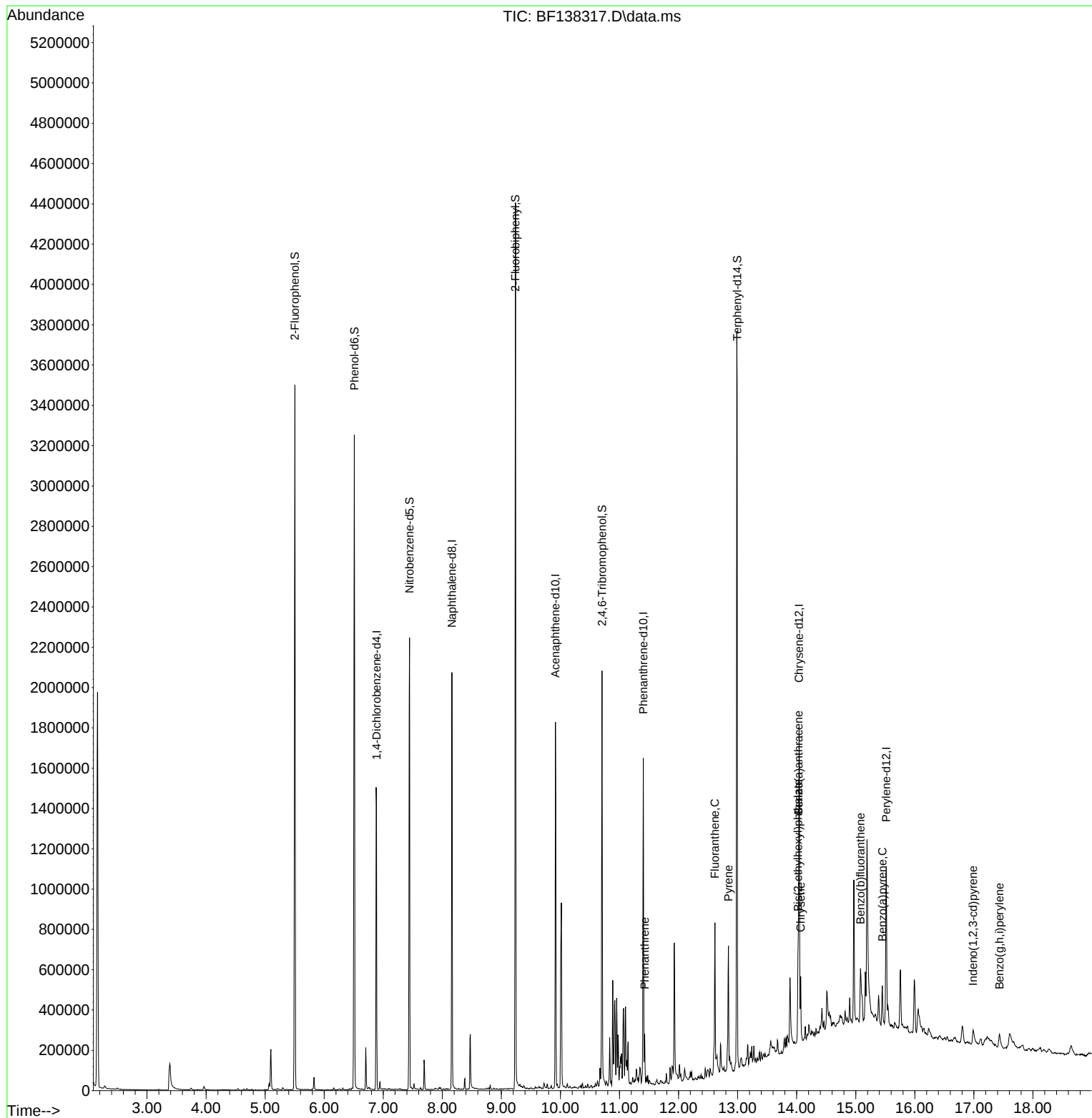
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138317.D
Acq On : 24 Jun 2024 18:42
Operator : CG\JU
Sample : P2977-21
Misc :
ALS Vial : 18 Sample Multiplier: 1

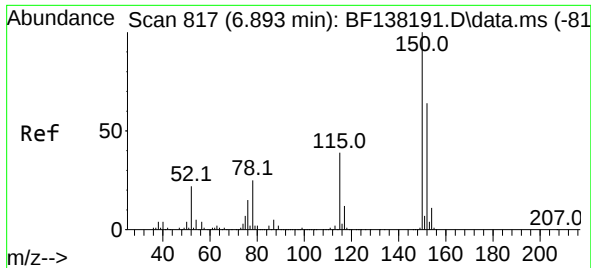
Instrument :
BNA_F
ClientSampleId :
OSTL-D3

Quant Time: Jun 25 01:16:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

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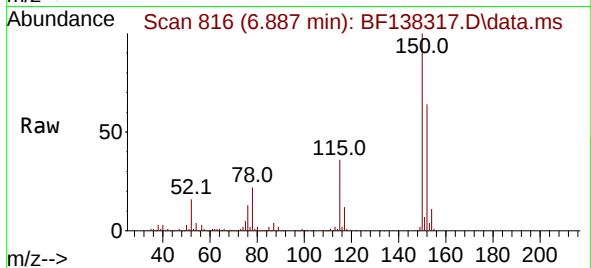
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

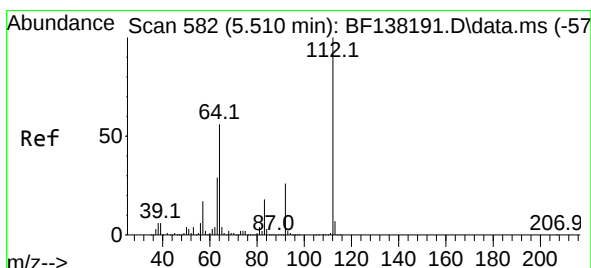
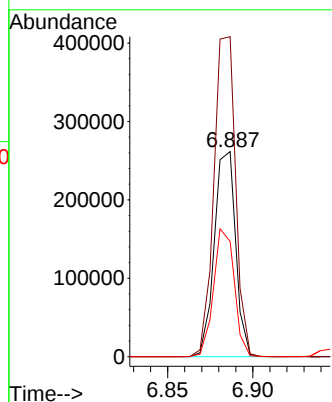
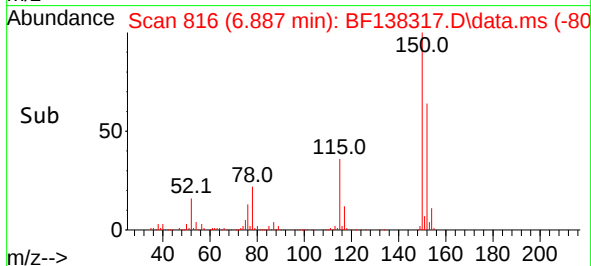


Tgt Ion:152 Resp: 228039
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 56.1 48.4 72.6

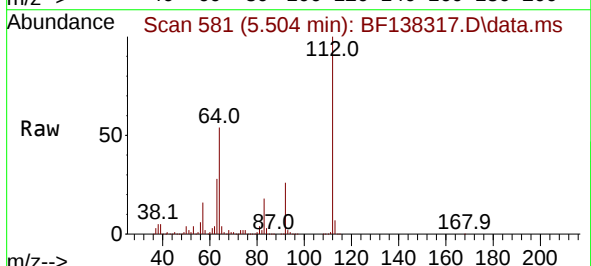
Manual Integrations

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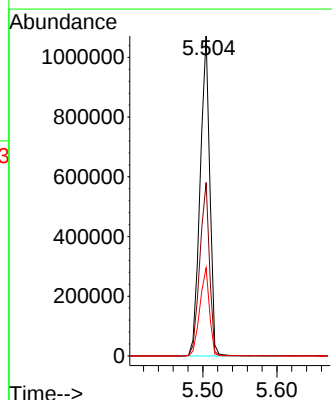
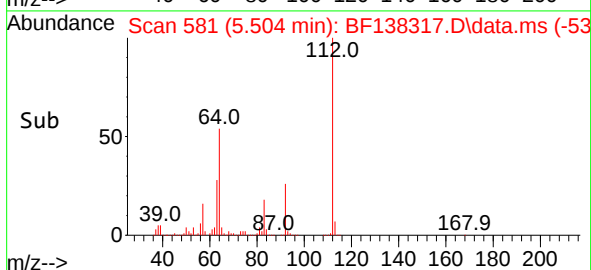
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#5
2-Fluorophenol
Concen: 71.493 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42



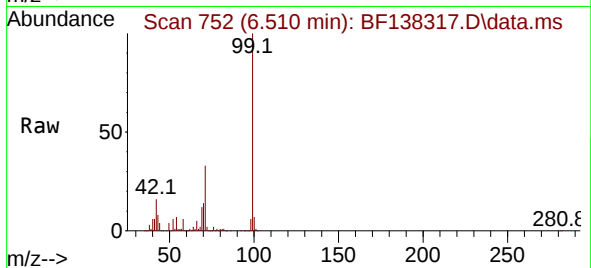
Tgt Ion:112 Resp: 974586
Ion Ratio Lower Upper
112 100
64 54.2 45.2 67.8
63 27.5 22.9 34.3





#7
Phenol-d6
Concen: 67.893 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

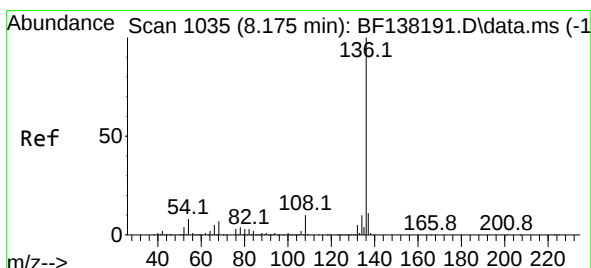
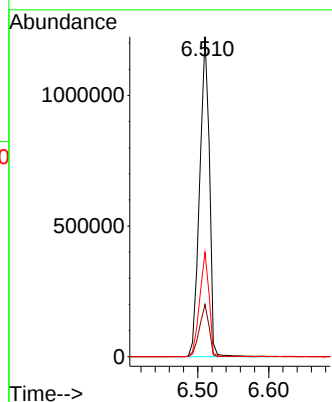
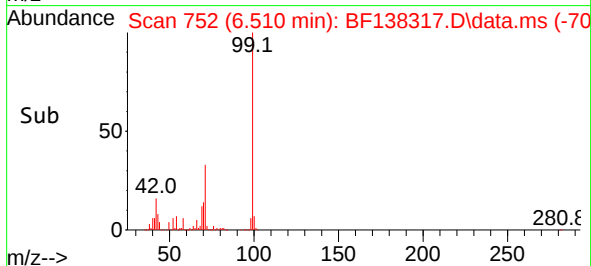
Instrument :
BNA_F
ClientSampleId :
OSTL-D3



Tgt Ion: 99 Resp: 117358
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 32.6 25.0 37.6

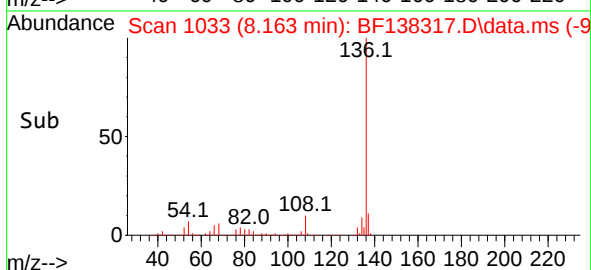
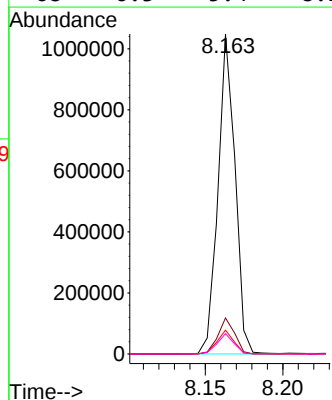
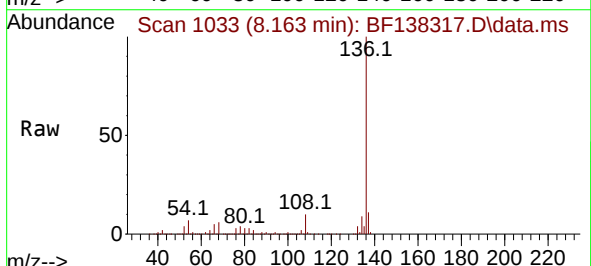
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:136 Resp: 800824
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.5 6.6 10.0
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.660 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

Tgt Ion: 82 Resp: 696878

Ion Ratio Lower Upper

82 100

128 50.1 37.2 55.8

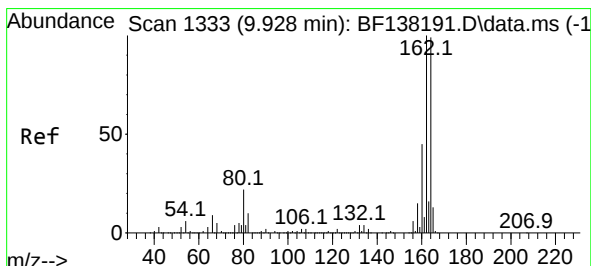
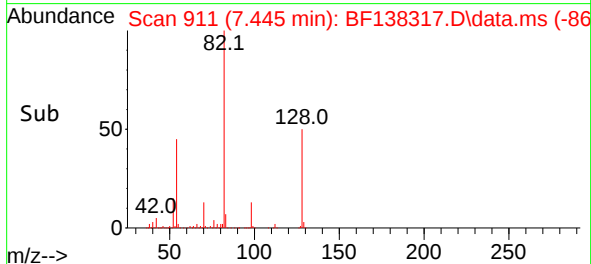
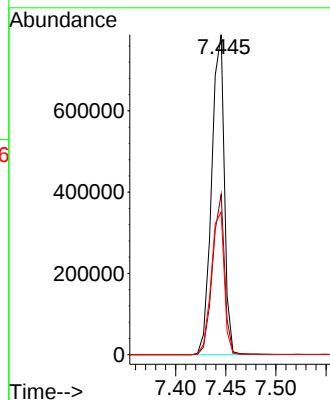
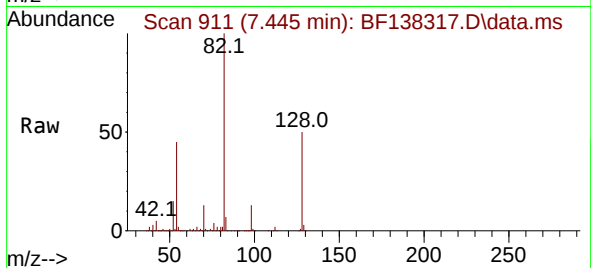
54 44.6 39.8 59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

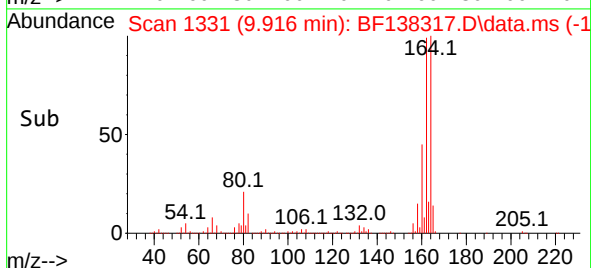
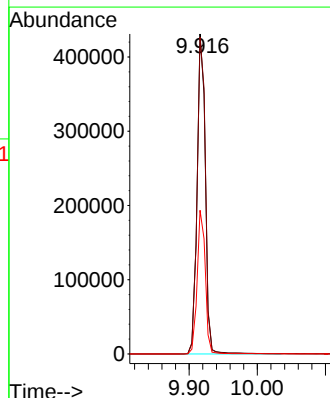
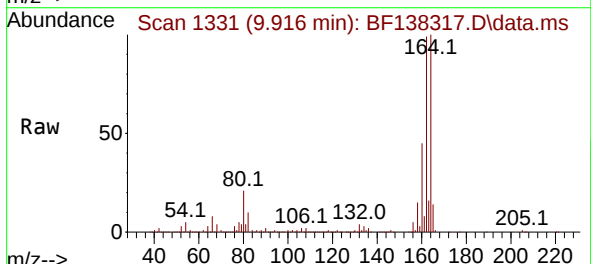
Tgt Ion:164 Resp: 360246

Ion Ratio Lower Upper

164 100

162 99.0 80.6 121.0

160 44.9 36.3 54.5





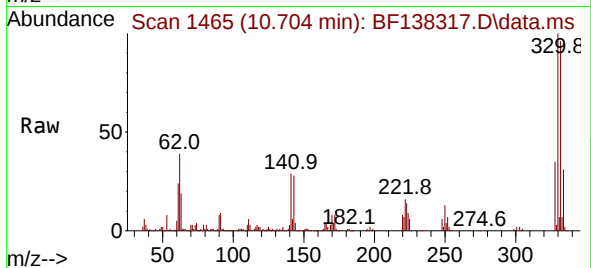
#42
2,4,6-Tribromophenol
Concen: 67.062 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3



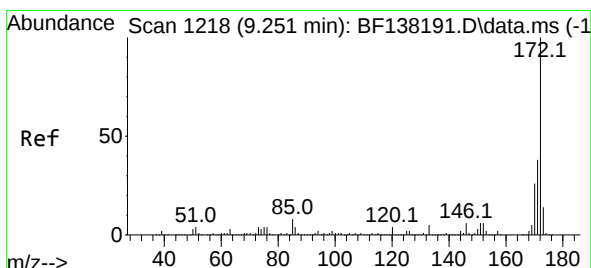
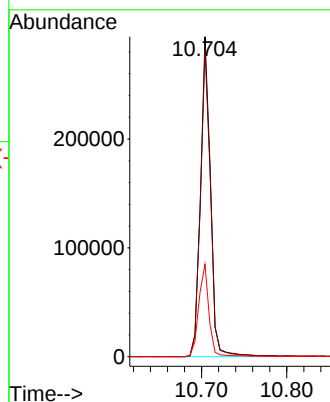
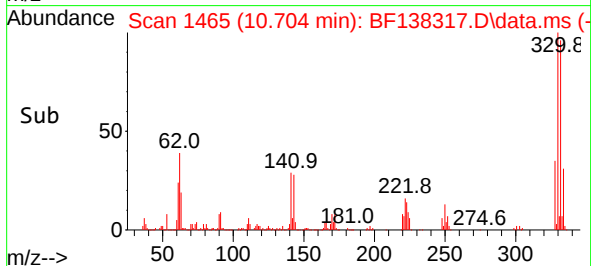
Tgt Ion:330 Resp: 240509
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 29.7 23.9 35.9

Manual Integrations

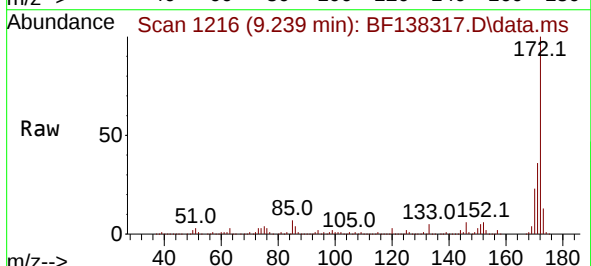
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Reviewed By :Yogesh Patel 06/25/2024

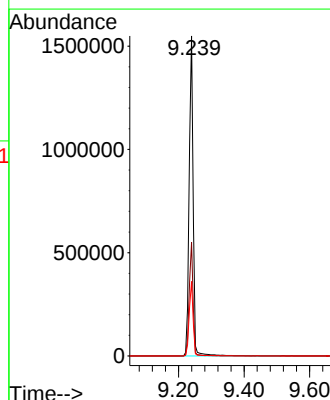
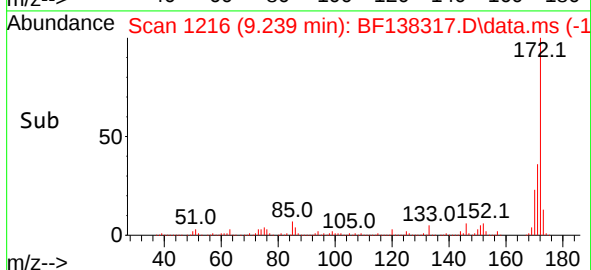
Supervised By :mohammad ahmed 06/26/2024



#45
2-Fluorobiphenyl
Concen: 57.059 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42



Tgt Ion:172 Resp: 1292655
Ion Ratio Lower Upper
172 100
171 35.5 30.3 45.5
170 23.3 20.6 30.8





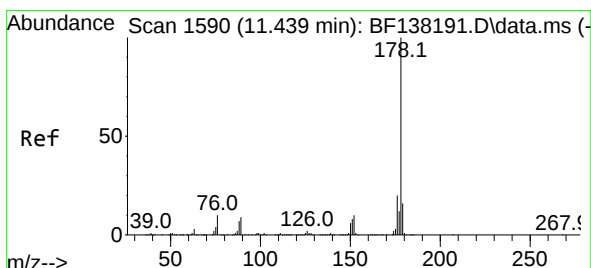
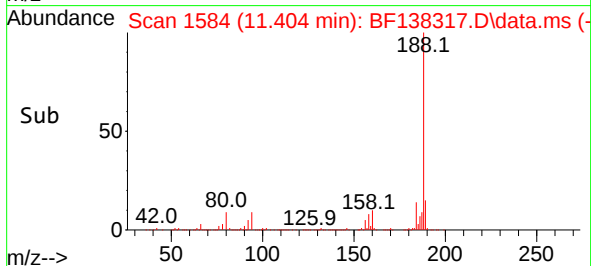
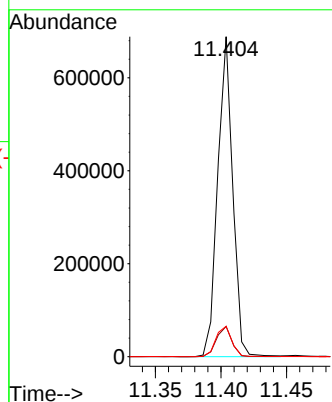
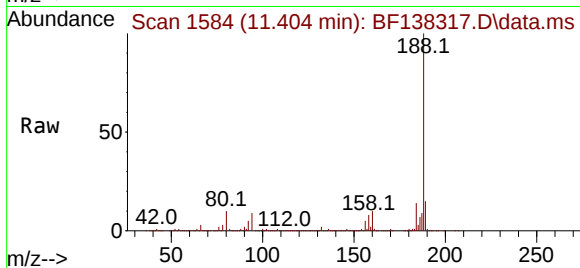
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Instrument :
BNA_F
ClientSampleId :
OSTL-D3

Tgt Ion:188 Resp: 546478
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 9.5 8.1 12.1

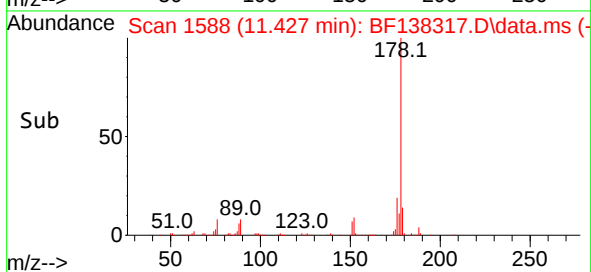
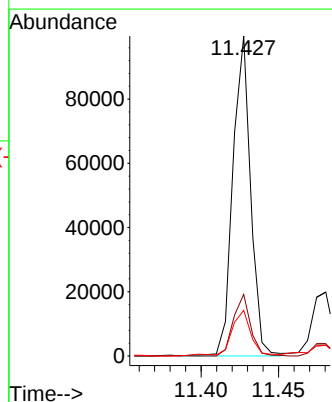
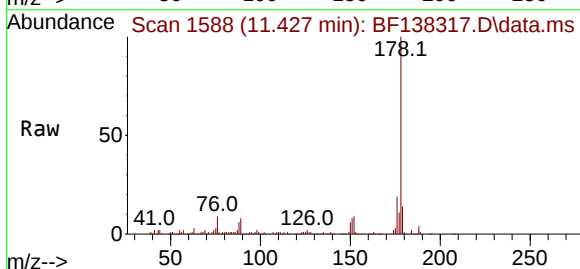
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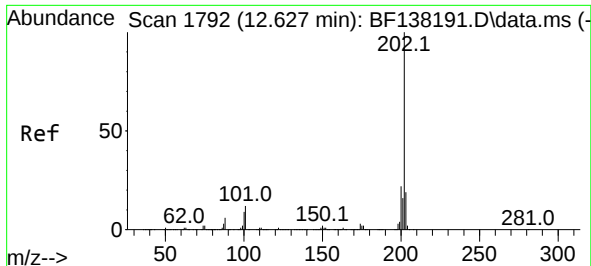
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#71
Phenanthrene
Concen: 2.934 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

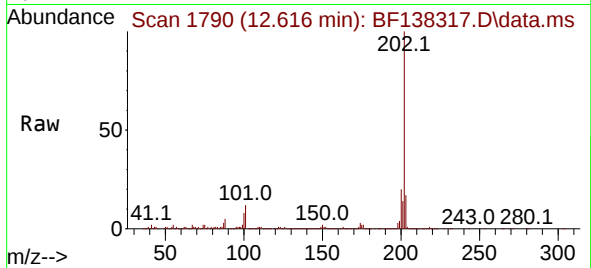
Tgt Ion:178 Resp: 79303
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 14.2 13.1 19.7





#75
Fluoranthene
Concen: 9.467 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

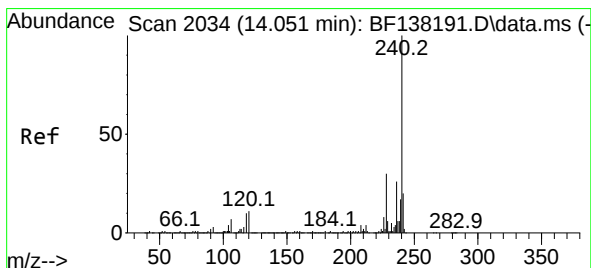
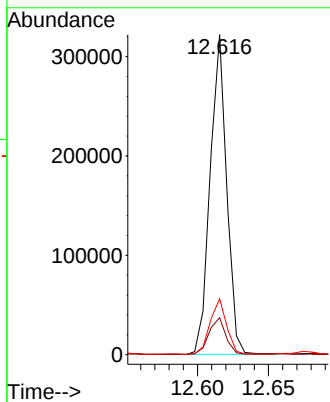
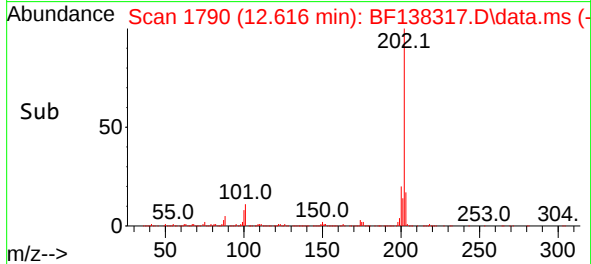
Instrument :
BNA_F
ClientSampleId :
OSTL-D3



Tgt Ion:202 Resp: 260880
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 17.5 0.0 38.6

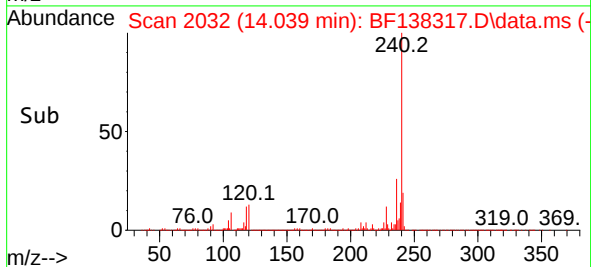
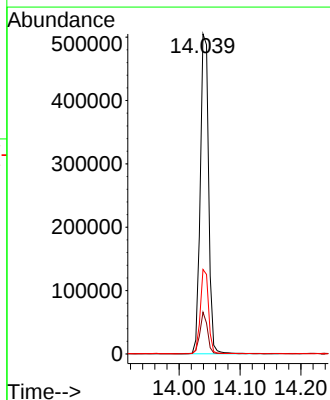
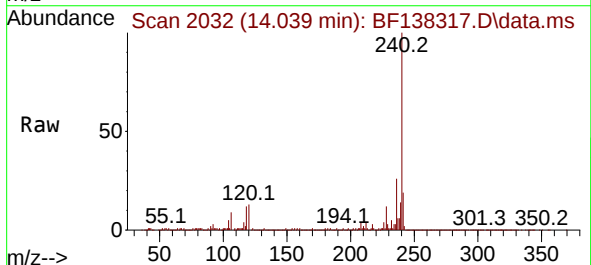
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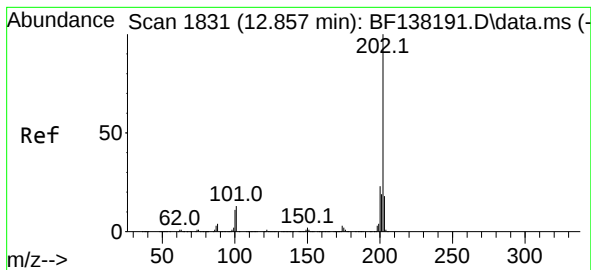
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:240 Resp: 478740
Ion Ratio Lower Upper
240 100
120 13.1 9.2 13.8
236 26.4 21.0 31.6





#78

Pyrene

Concen: 5.897 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

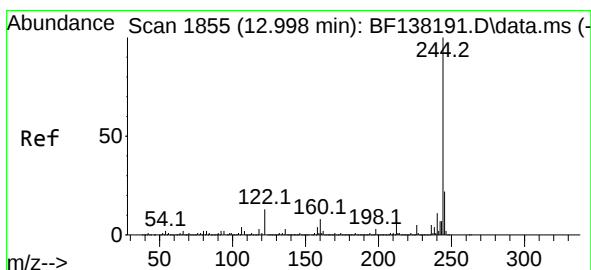
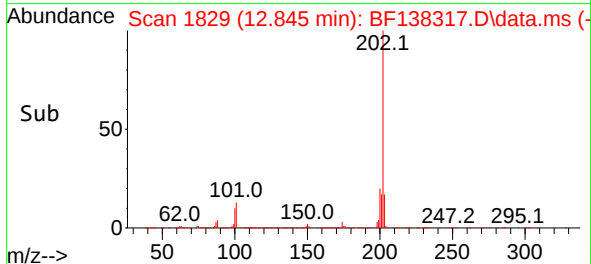
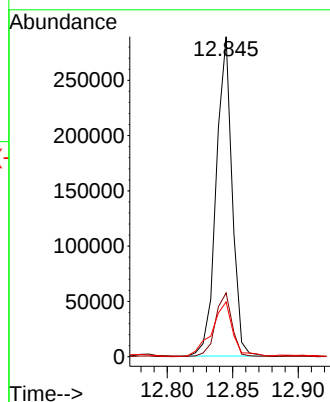
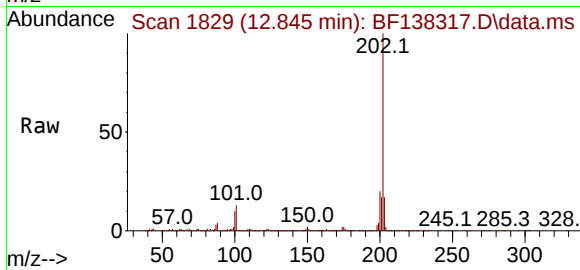
Tgt Ion:202 Resp: 243520
 Ion Ratio Lower Upper
 202 100
 200 19.9 18.0 27.0
 203 17.1 14.7 22.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 43.852 ng

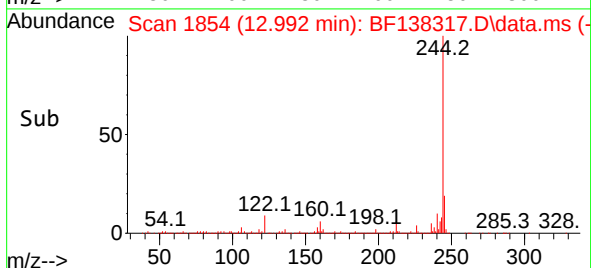
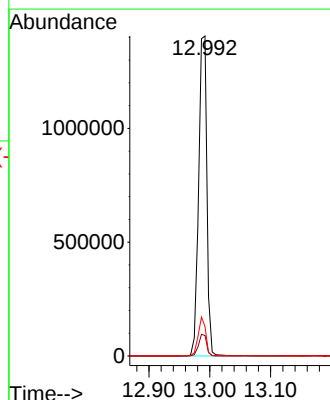
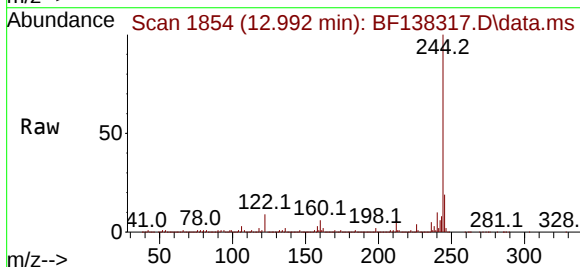
RT: 12.992 min Scan# 1854

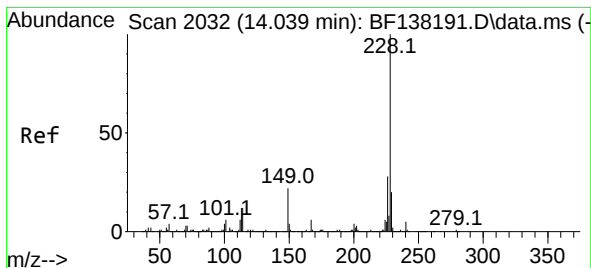
Delta R.T. -0.006 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Tgt Ion:244 Resp: 1325500
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 9.2 10.6 15.8





#81

Benzo(a)anthracene

Concen: 4.645 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

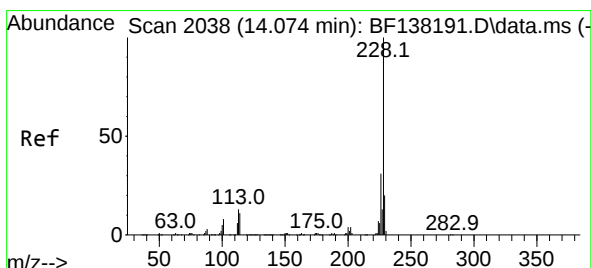
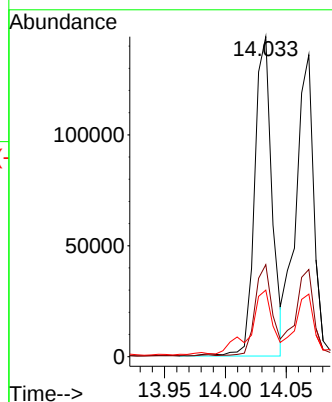
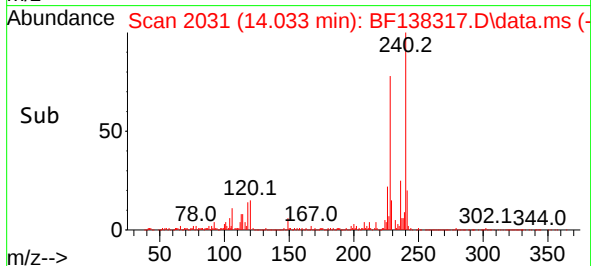
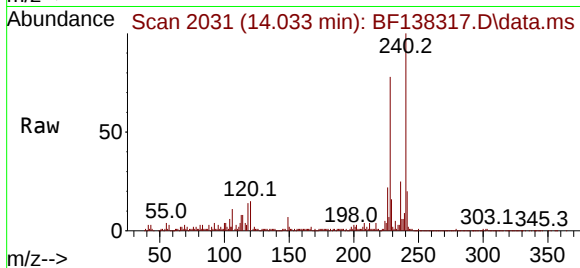
ClientSampleId :

OSTL-D3

Tgt Ion:228 Resp: 14265
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.5 33.7
 229 20.8 16.3 24.5

Manual Integrations
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Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024



#83

Chrysene

Concen: 4.794 ng

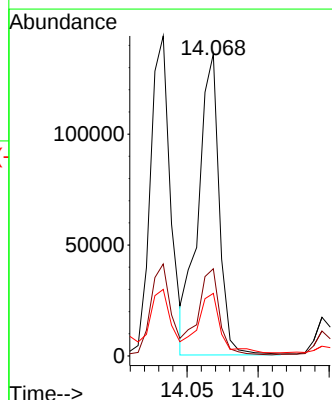
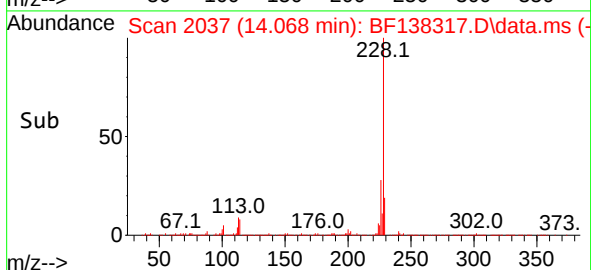
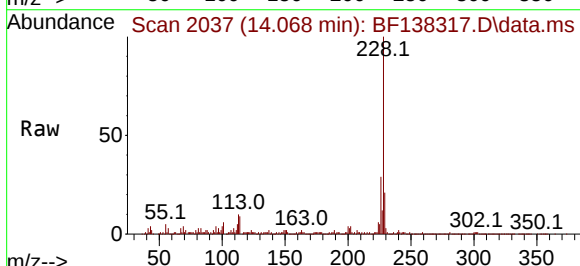
RT: 14.068 min Scan# 2037

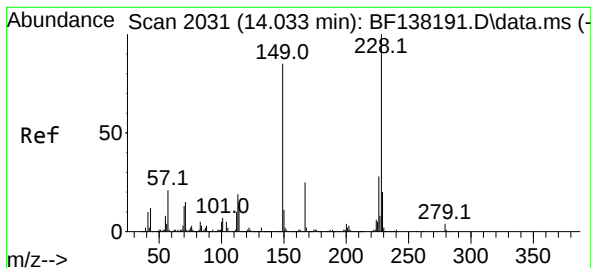
Delta R.T. -0.006 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Tgt Ion:228 Resp: 140357
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.5 36.7
 229 20.7 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.480 ng

RT: 14.021 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

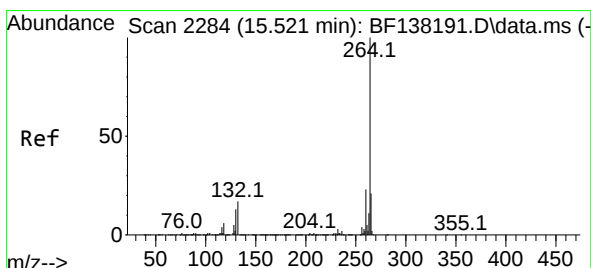
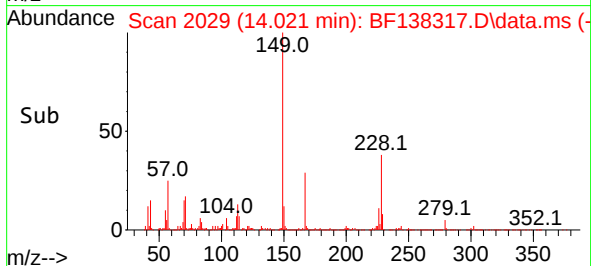
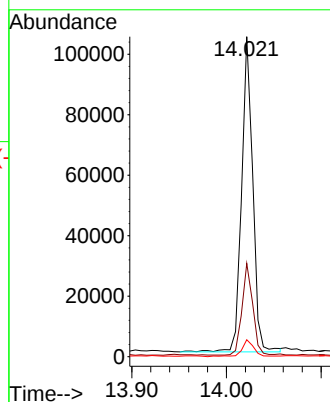
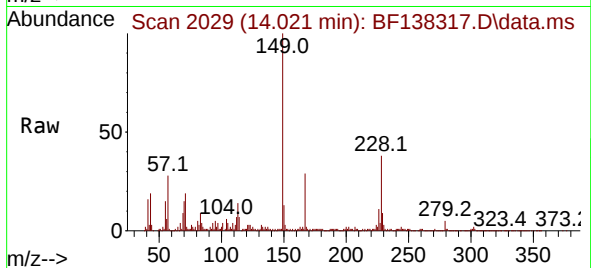
Tgt Ion:	149	Resp:	84650
Ion Ratio	Lower	Upper	
149	100		
167	29.2	23.5	35.3
279	5.3	4.2	6.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#86

Perylene-d12

Concen: 20.000 ng

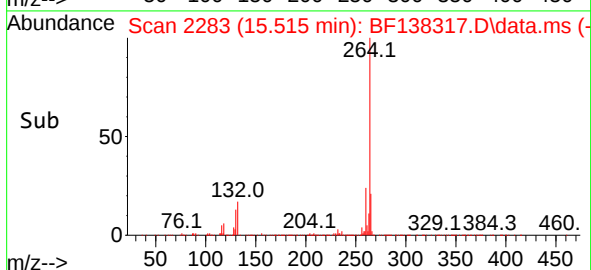
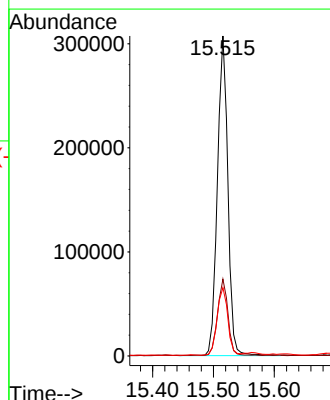
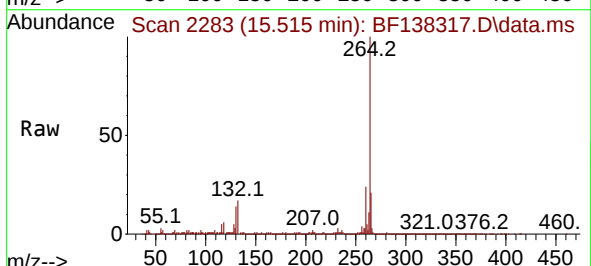
RT: 15.515 min Scan# 2283

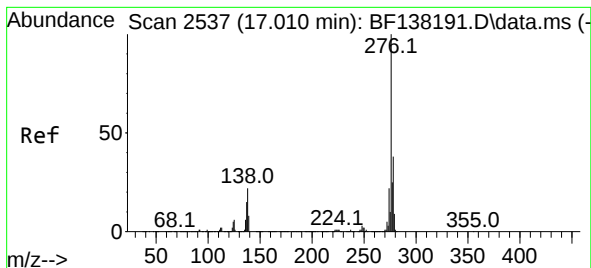
Delta R.T. -0.006 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Tgt Ion:	264	Resp:	366837
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.7	28.1
265	21.4	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.233 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

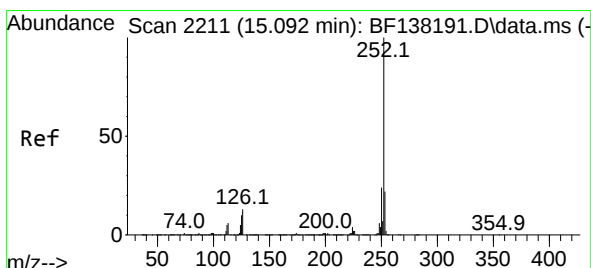
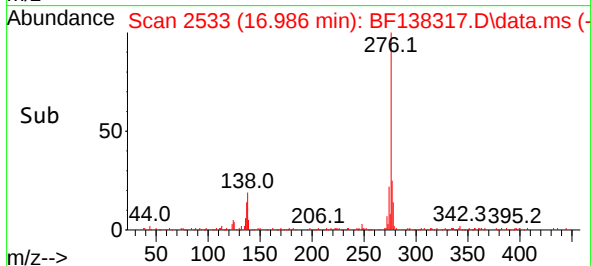
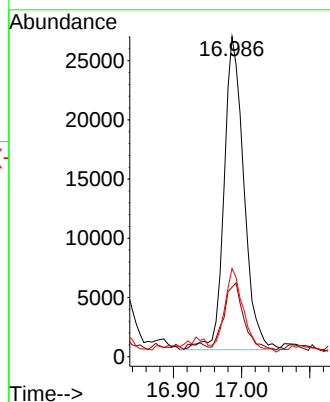
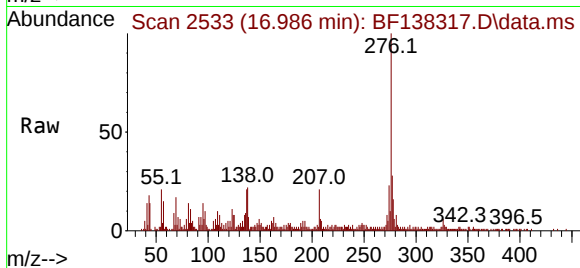
Tgt Ion:	276	Resp:	5340
Ion Ratio	Lower	Upper	
276	100		
138	21.4	19.3	28.9
277	25.9	20.2	30.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#88

Benzo(b)fluoranthene

Concen: 7.276 ng m

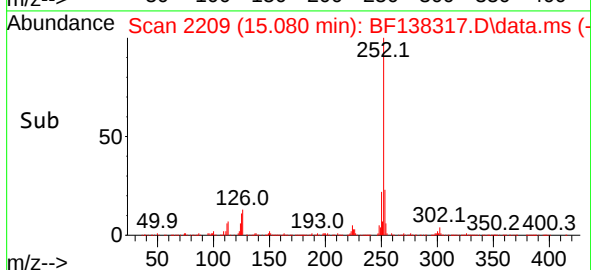
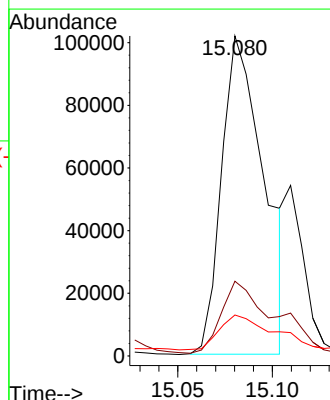
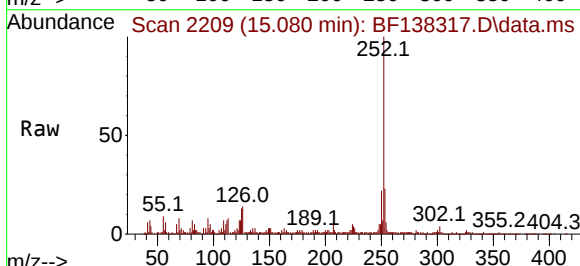
RT: 15.080 min Scan# 2209

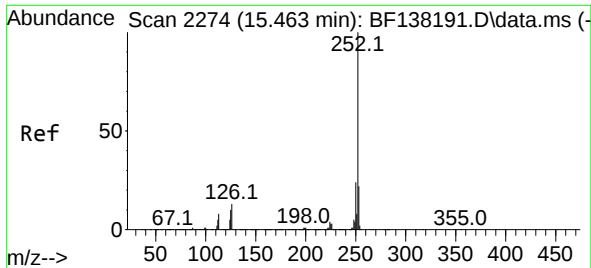
Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

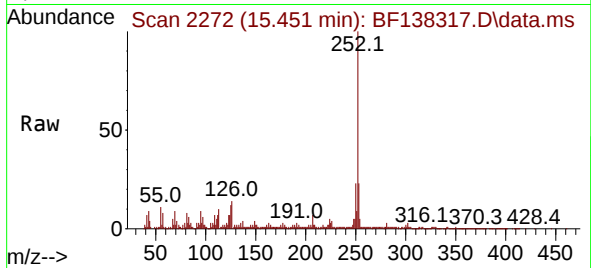
Tgt Ion:	252	Resp:	157398
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.7	26.5
125	12.8	7.8	11.8





#90
Benzo(a)pyrene
Concen: 4.903 ng
RT: 15.451 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

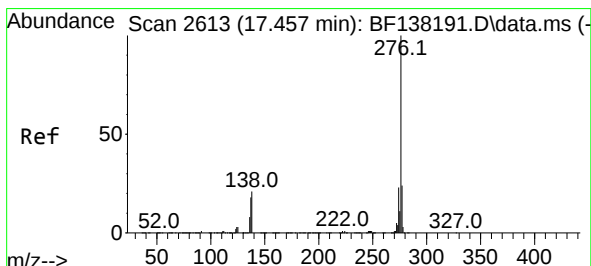
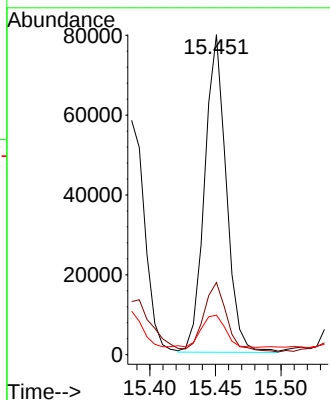
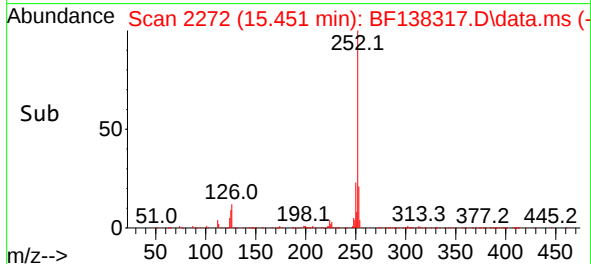
Instrument :
BNA_F
ClientSampleId :
OSTL-D3



Tgt Ion:252 Resp: 91125
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 12.4 8.2 12.2

Manual Integrations
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Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#92
Benzo(g,h,i)perylene
Concen: 2.692 ng
RT: 17.433 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:276 Resp: 54657
Ion Ratio Lower Upper
276 100
277 24.8 19.5 29.3
138 21.7 16.6 24.8

