

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
 Data File : BF132621.D
 Acq On : 02 Mar 2023 22:26
 Operator : CG\JU
 Sample : 01760-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200058

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023

Quant Time: Mar 03 00:40:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	169662	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	546448	20.000	ng	0.00
39) Acenaphthene-d10	10.092	164	165686	20.000	ng	# 0.04
64) Phenanthrene-d10	11.663	188	162892	20.000	ng	# 0.11
76) Chrysene-d12	14.263	240	215144	20.000	ng	# 0.06
86) Perylene-d12	15.798	264	225961	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	467868	44.756	ng	-0.01
7) Phenol-d6	6.616	99	567397	41.588	ng	-0.02
23) Nitrobenzene-d5	7.557	82	311961	27.085	ng	-0.01
42) 2,4,6-Tribromophenol	10.922	330	76446	42.723	ng	0.07
45) 2-Fluorobiphenyl	9.381	172	423620	38.931	ng	0.00
79) Terphenyl-d14	13.222	244	272141	21.387	ng	0.08
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.004	142	64706	3.394	ng	96
38) 1-Methylnaphthalene	9.110	142	49958	2.804	ng	95
46) 1,1'-Biphenyl	9.492	154	106253	8.473	ng	85
66) n-Nitrosodiphenylamine	10.786	169	269069	52.984	ng	# 63
71) Phenanthrene	11.686	178	267307	31.677	ng	# 1
72) Anthracene	11.792	178	320029m	36.828	ng	
75) Fluoranthene	12.886	202	236261	25.611	ng	# 63
78) Pyrene	13.116	202	224440m	11.474	ng	
81) Benzo(a)anthracene	14.251	228	88280	5.484	ng	# 82
83) Chrysene	14.286	228	171594	11.399	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.198	149	381073	40.188	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.386	276	52454	3.543	ng	97
88) Benzo(b)fluoranthene	15.333	252	171494m	11.325	ng	
89) Benzo(k)fluoranthene	15.363	252	55072m	3.716	ng	
90) Benzo(a)pyrene	15.727	252	63696	4.494	ng	# 65
92) Benzo(g,h,i)perylene	17.874	276	50894	5.222	ng	# 91

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

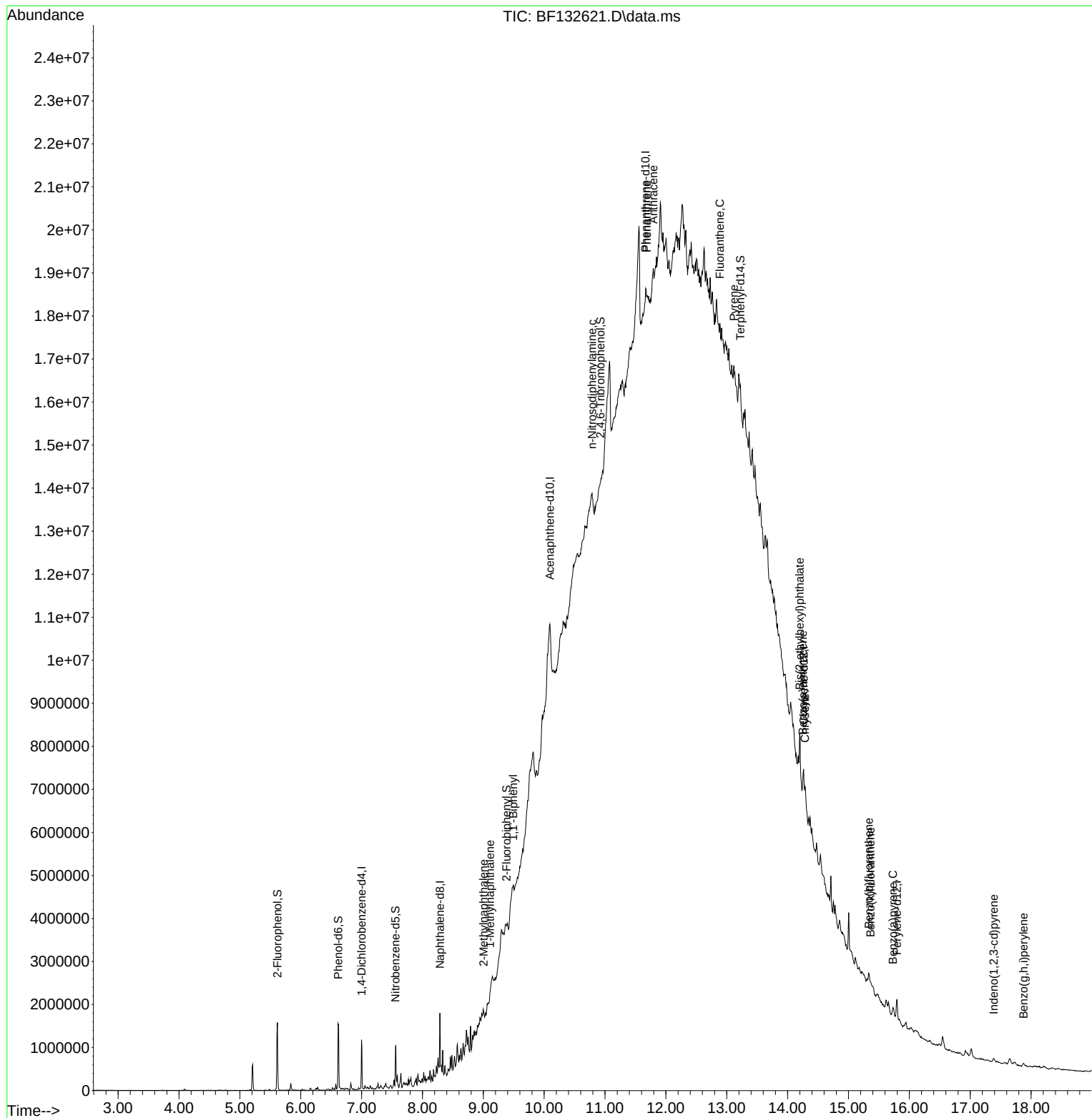
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Data File : BF132621.D
Acq On : 02 Mar 2023 22:26
Operator : CG\JU
Sample : 01760-01 2X
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ALS Vial : 18 Sample Multiplier: 1

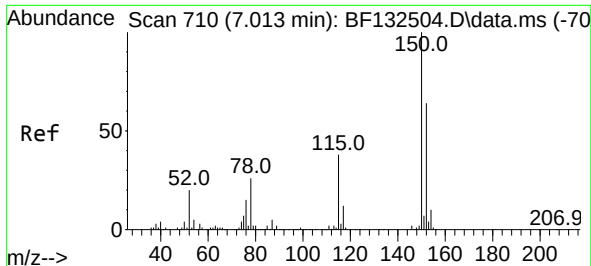
Instrument :
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Quant Time: Mar 03 00:40:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
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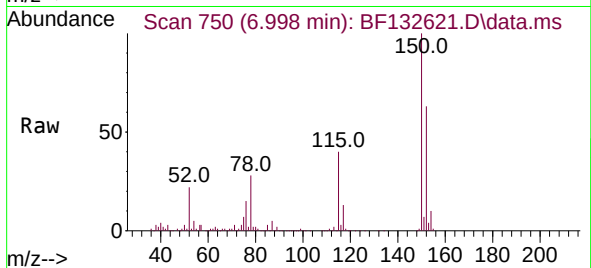
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

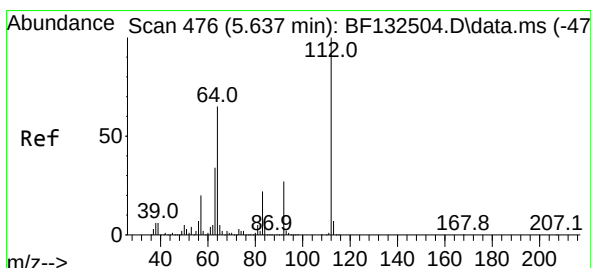
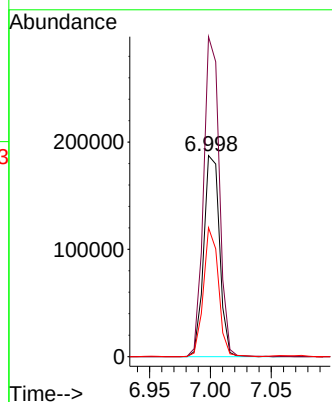
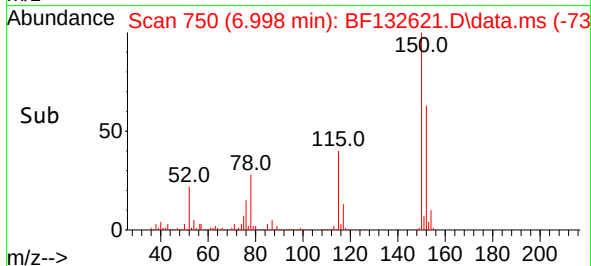
Instrument :
BNA_F
ClientSampleId :
RBR200058



Tgt Ion:152 Resp: 169662
Ion Ratio Lower Upper
152 100
150 159.2 125.4 188.2
115 64.1 47.8 71.6

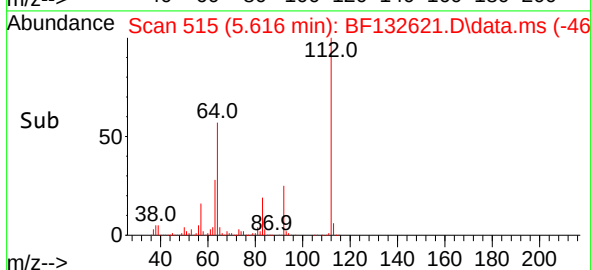
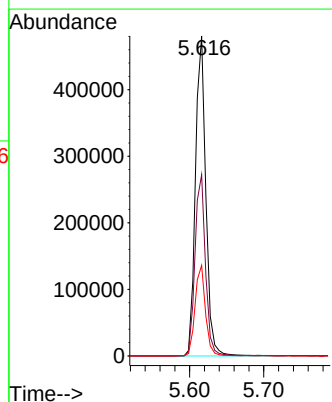
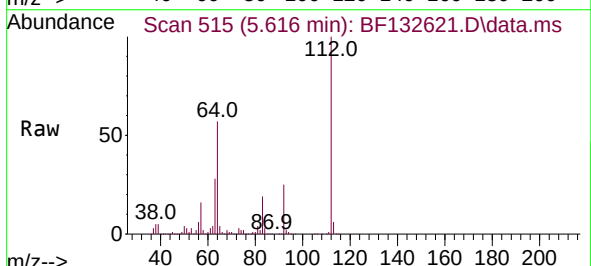
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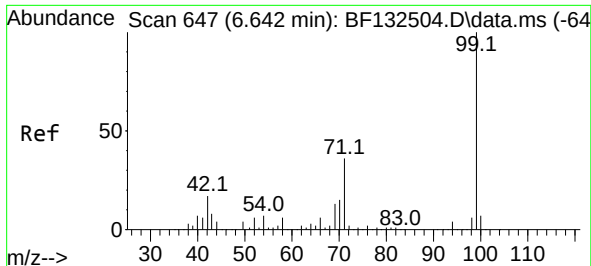
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#5
2-Fluorophenol
Concen: 44.756 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

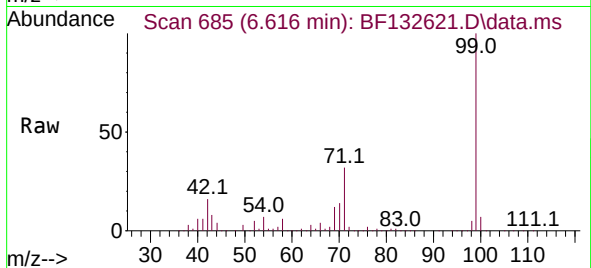
Tgt Ion:112 Resp: 467868
Ion Ratio Lower Upper
112 100
64 56.6 51.6 77.4
63 28.3 27.4 41.2





#7
Phenol-d6
Concen: 41.588 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.020 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

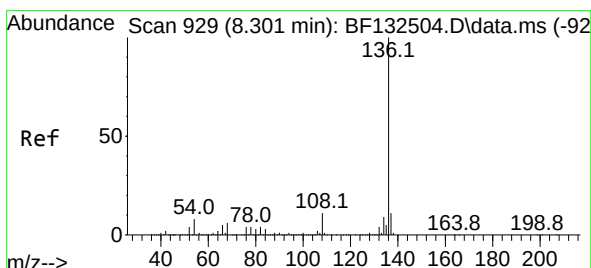
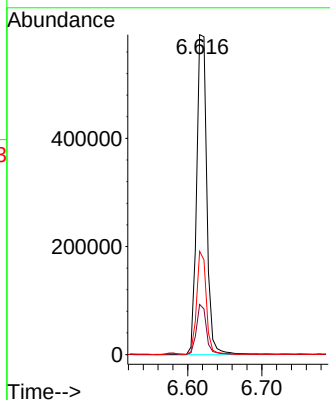
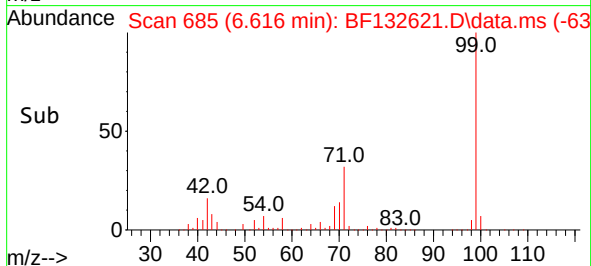
Instrument :
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ClientSampleId :
RBR200058



Tgt Ion: 99 Resp: 567392
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 32.3 28.5 42.7

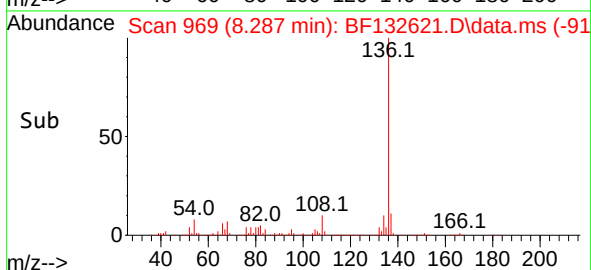
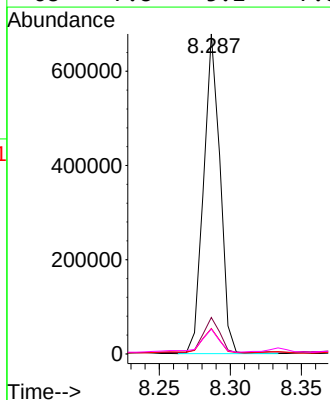
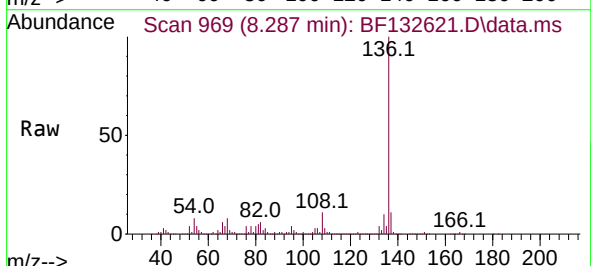
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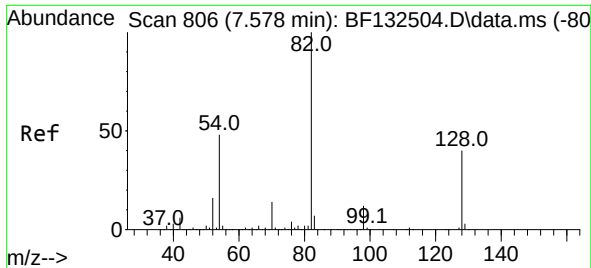
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Tgt Ion:136 Resp: 546448
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.9 6.2 9.4
68 7.8 5.2 7.8





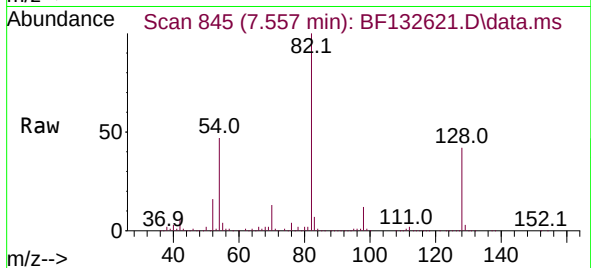
#23
Nitrobenzene-d5
Concen: 27.085 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.015 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058



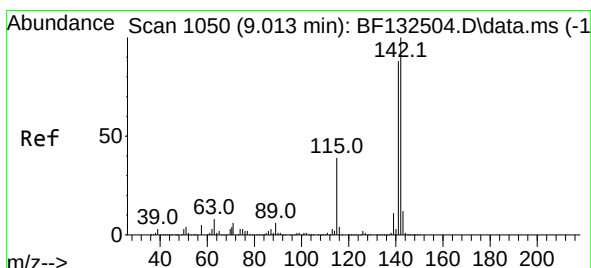
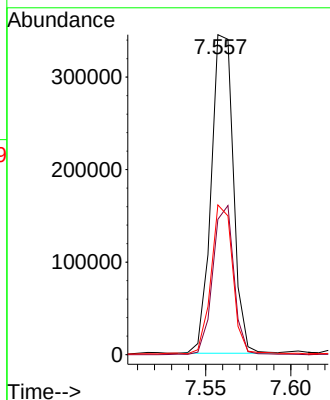
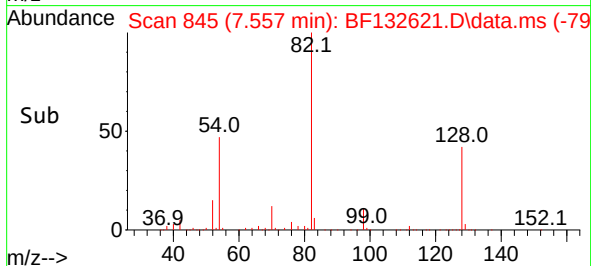
Tgt Ion: 82 Resp: 311963
Ion Ratio Lower Upper
82 100
128 42.3 32.2 48.2
54 46.8 38.4 57.6

Manual Integrations

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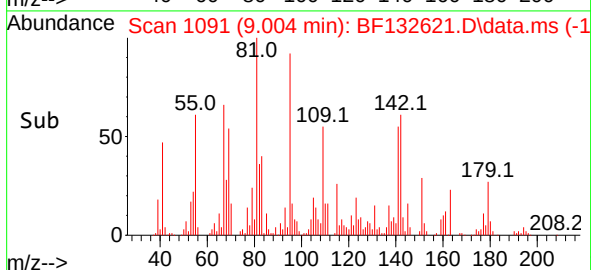
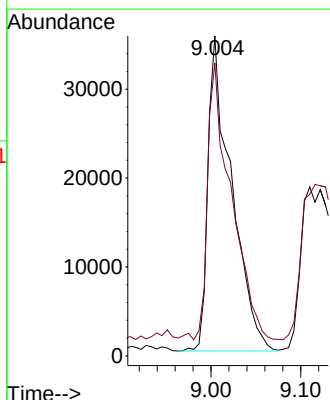
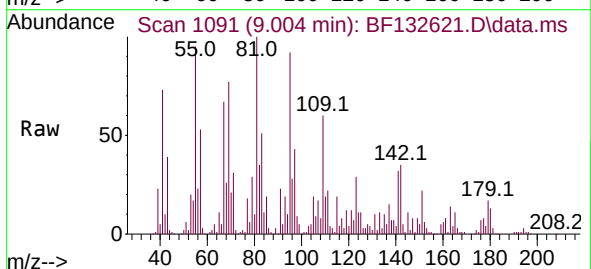
Reviewed By :Yogesh Patel 03/03/2023

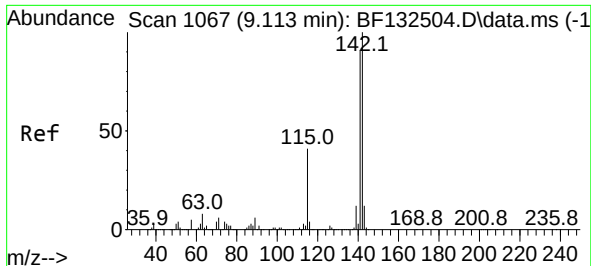
Supervised By :Jagrut Upadhyay 03/03/2023



#37
2-Methylnaphthalene
Concen: 3.394 ng
RT: 9.004 min Scan# 1091
Delta R.T. -0.003 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Tgt Ion:142 Resp: 64706
Ion Ratio Lower Upper
142 100
141 91.6 70.2 105.2





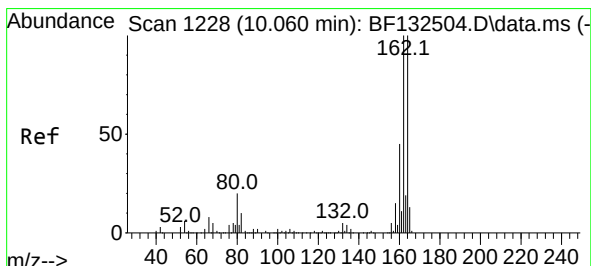
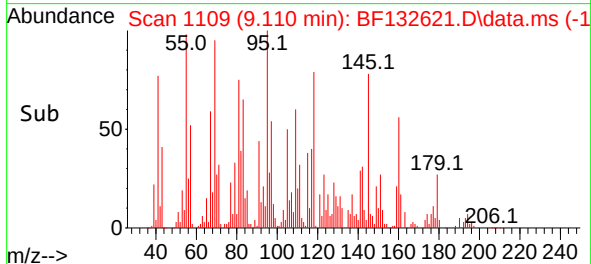
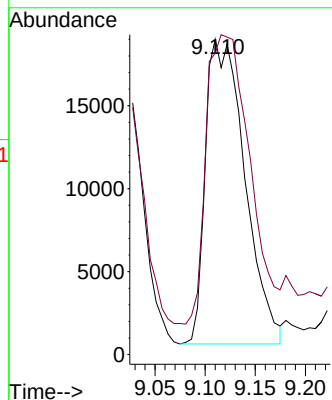
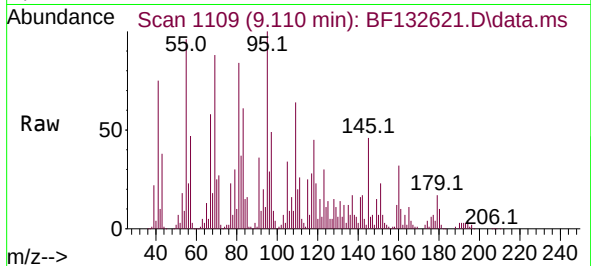
#38
1-Methylnaphthalene
Concen: 2.804 ng
RT: 9.110 min Scan# 1109
Delta R.T. 0.003 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Instrument :
BNA_F
ClientSampleId :
RBR200058

Tgt Ion:142 Resp: 49958
Ion Ratio Lower Upper
142 100
141 95.6 73.0 109.6

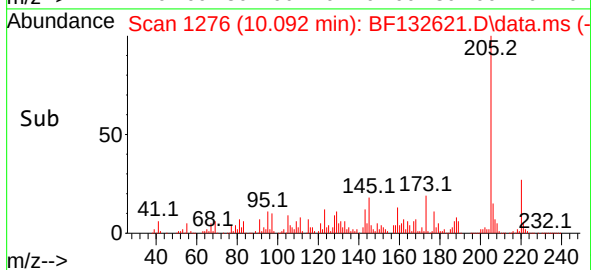
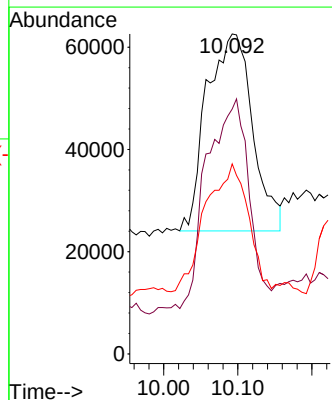
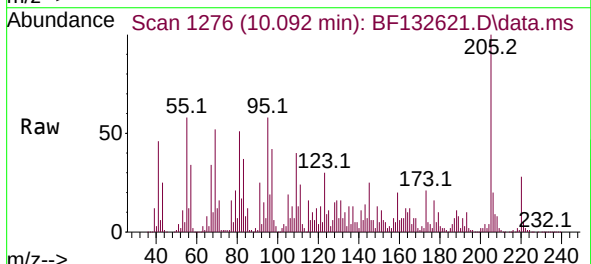
Manual Integrations
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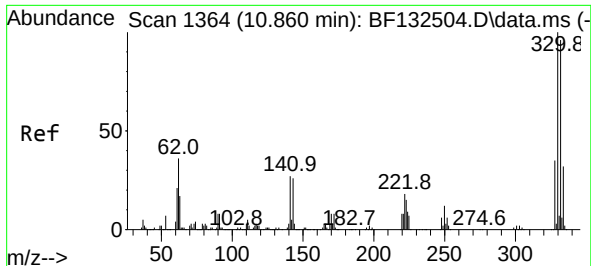
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.092 min Scan# 1276
Delta R.T. 0.038 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Tgt Ion:164 Resp: 165686
Ion Ratio Lower Upper
164 100
162 76.5 79.8 119.8#
160 59.4 35.8 53.6#





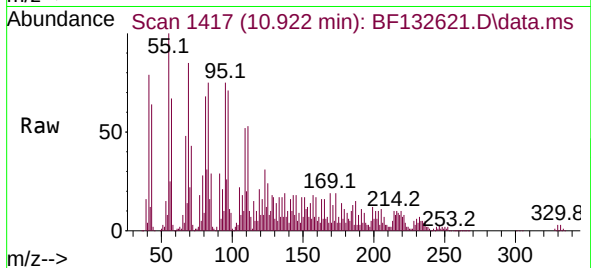
#42
2,4,6-Tribromophenol
Concen: 42.723 ng
RT: 10.922 min Scan# 1415
Delta R.T. 0.074 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058



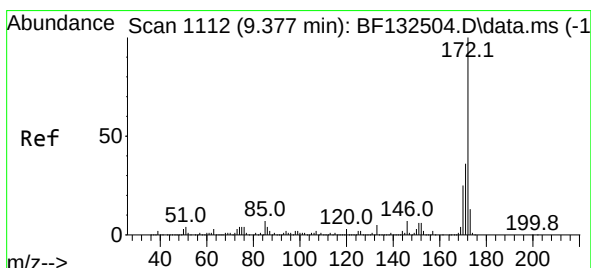
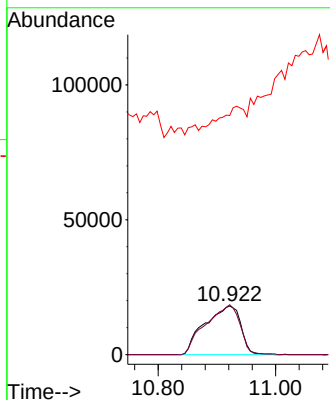
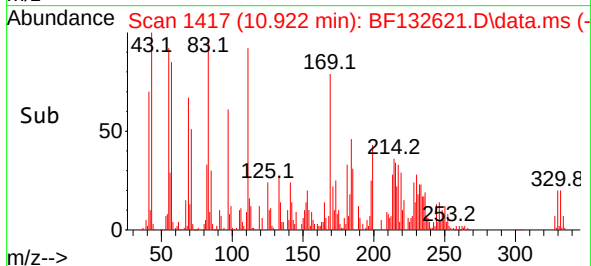
Tgt Ion:330 Resp: 76446
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 0.0 28.4 42.6

Manual Integrations

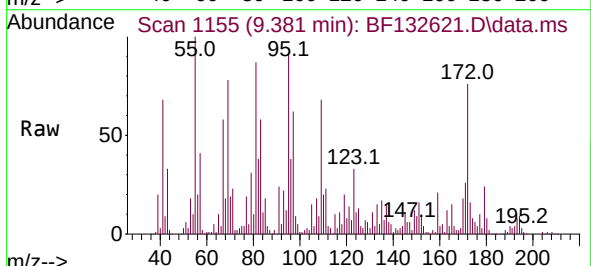
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Reviewed By :Yogesh Patel 03/03/2023

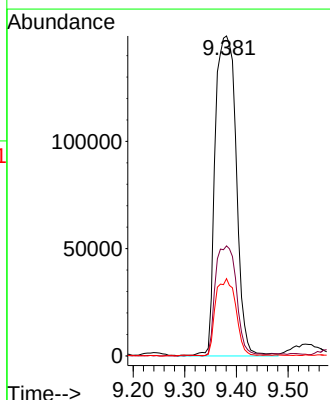
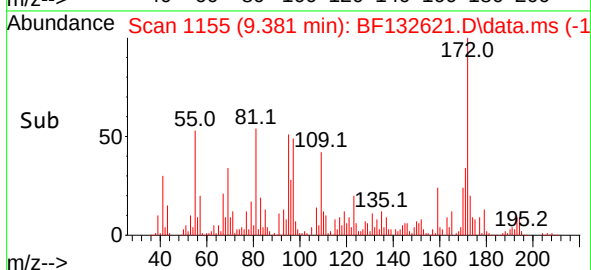
Supervised By :Jagrut Upadhyay 03/03/2023

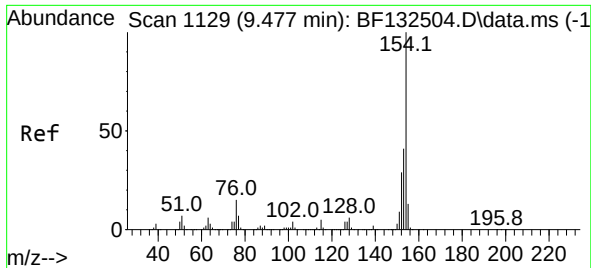


#45
2-Fluorobiphenyl
Concen: 38.931 ng
RT: 9.381 min Scan# 1155
Delta R.T. 0.009 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26



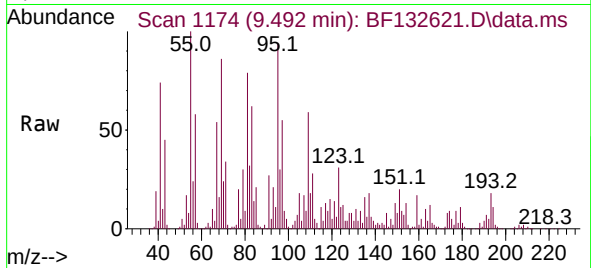
Tgt Ion:172 Resp: 423620
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 24.1 19.7 29.5





#46
1,1'-Biphenyl
Concen: 8.473 ng
RT: 9.492 min Scan# 1129
Delta R.T. 0.021 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

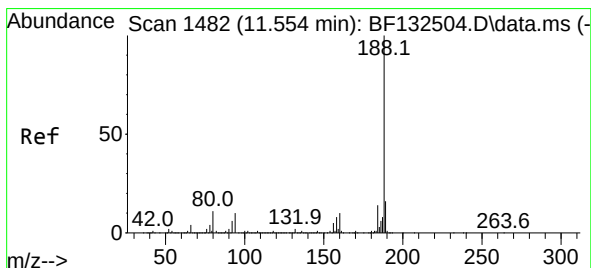
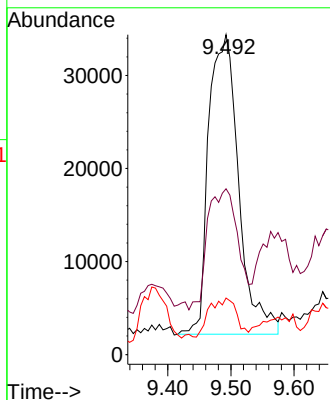
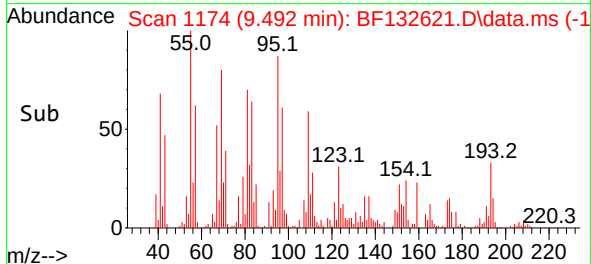
Instrument :
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Tgt Ion:154 Resp: 106253
Ion Ratio Lower Upper
154 100
153 51.8 20.9 60.9
76 17.7 0.0 34.7

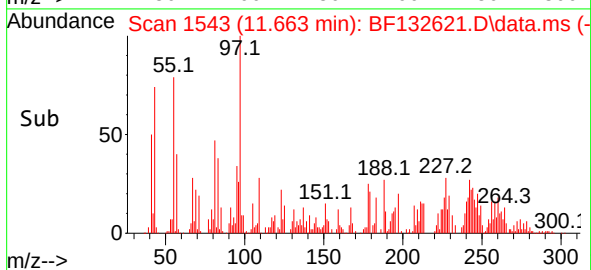
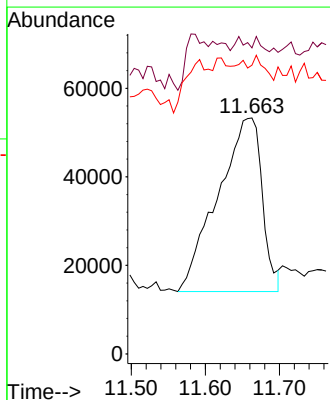
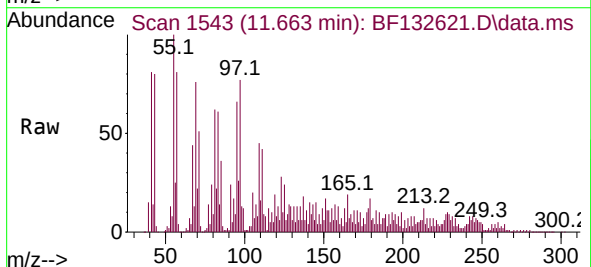
Manual Integrations
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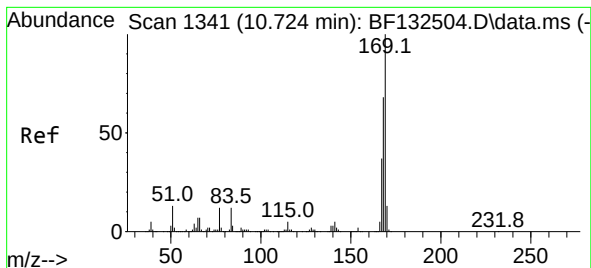
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.663 min Scan# 1543
Delta R.T. 0.115 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

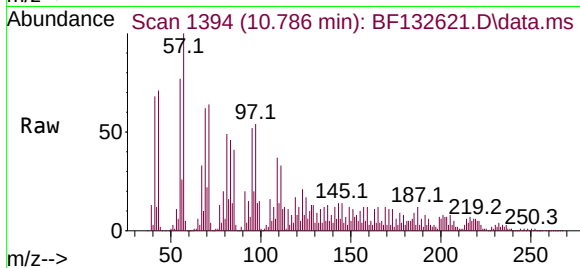
Tgt Ion:188 Resp: 162892
Ion Ratio Lower Upper
188 100
94 129.7 8.3 12.5#
80 122.4 8.7 13.1#





#66
n-Nitrosodiphenylamine
Concen: 52.984 ng
RT: 10.786 min Scan# 1341
Delta R.T. 0.074 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

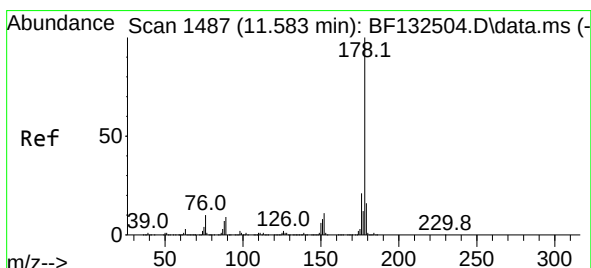
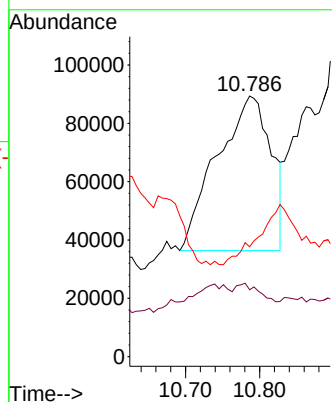
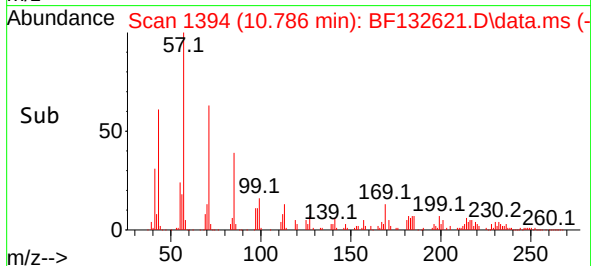
Instrument :
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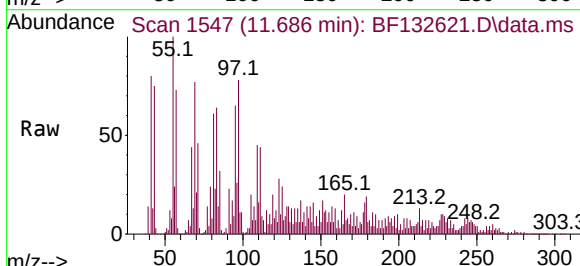
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Ion Ratio Lower Upper
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168 25.6 54.2 81.4#
167 42.2 29.6 44.4#

Manual Integrations
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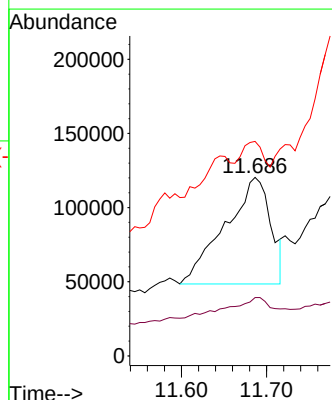
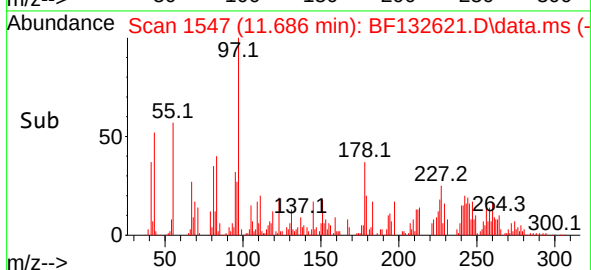
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

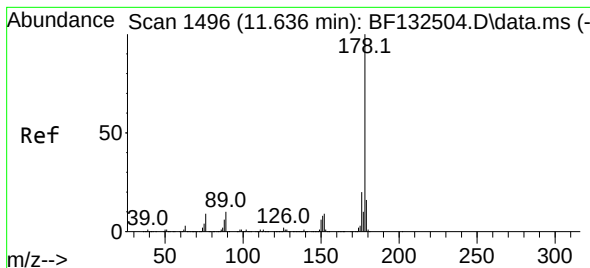


#71
Phenanthrene
Concen: 31.677 ng
RT: 11.686 min Scan# 1547
Delta R.T. 0.109 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26



Tgt Ion:178 Resp: 267307
Ion Ratio Lower Upper
178 100
176 32.7 16.5 24.7#
179 120.2 13.0 19.6#





#72

Anthracene

Concen: 36.828 ng m

RT: 11.792 min Scan# 11

Delta R.T. 0.162 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058

Tgt Ion:178 Resp: 320029

Ion Ratio Lower Upper

178 100

176 33.3 15.6 23.4

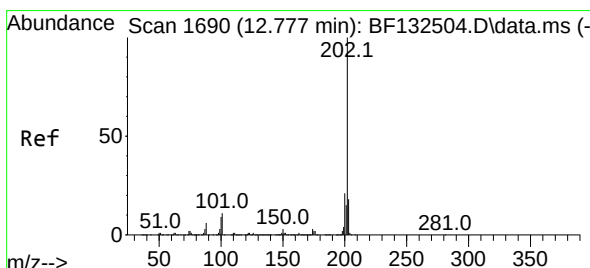
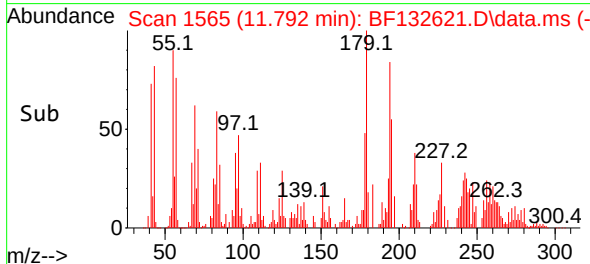
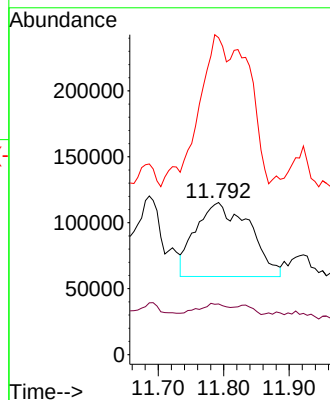
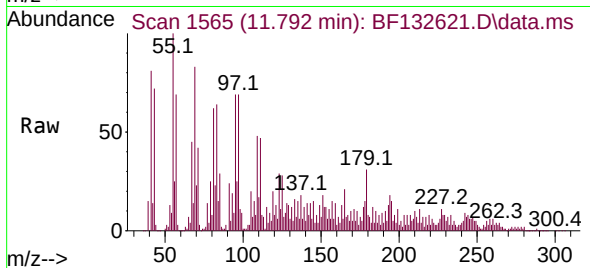
179 208.4 12.5 18.7

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#75

Fluoranthene

Concen: 25.611 ng

RT: 12.886 min Scan# 1751

Delta R.T. 0.115 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

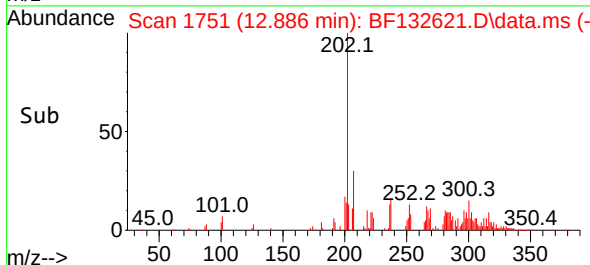
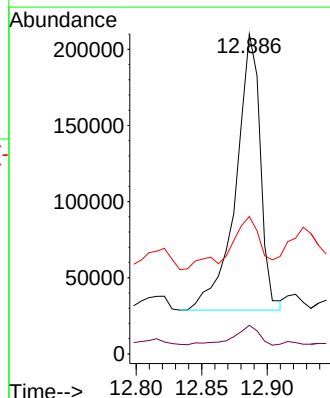
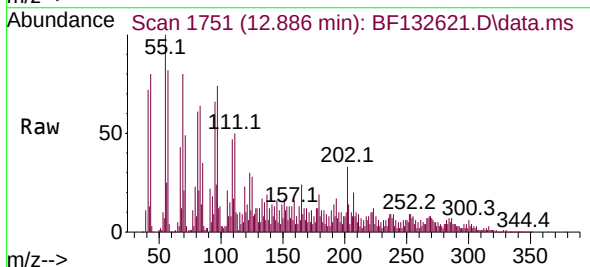
Tgt Ion:202 Resp: 236261

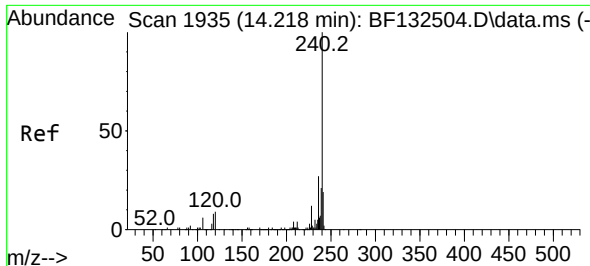
Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.4

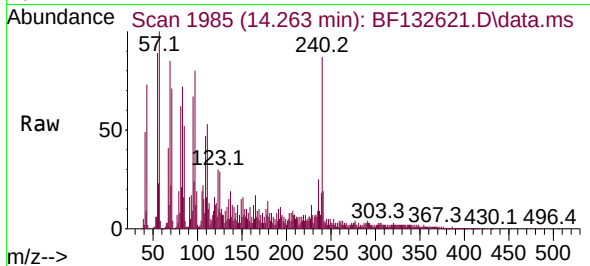
203 42.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.263 min Scan# 1935
Delta R.T. 0.056 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

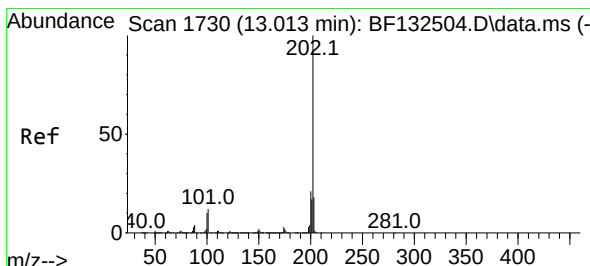
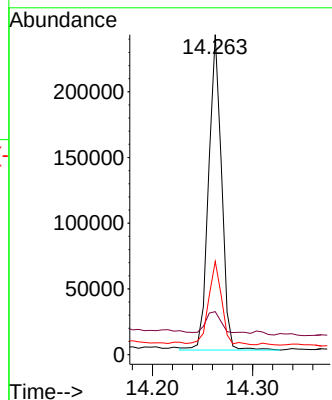
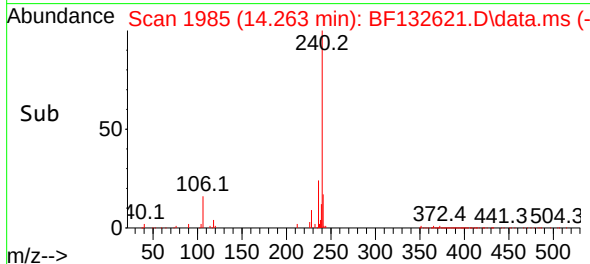
Instrument :
BNA_F
ClientSampleId :
RBR200058



Tgt Ion:240 Resp: 215144
Ion Ratio Lower Upper
240 100
120 13.4 7.2 10.8
236 29.1 21.8 32.6

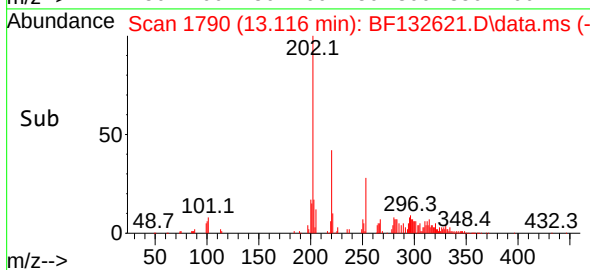
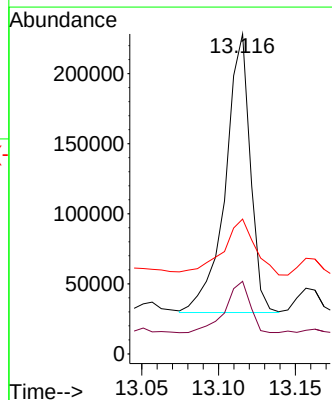
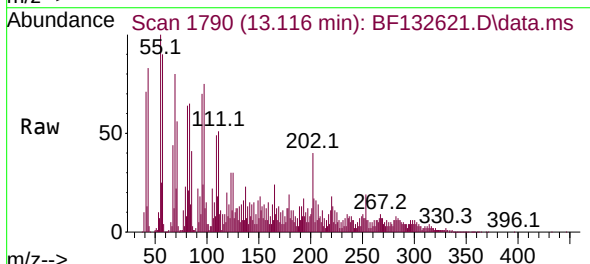
Manual Integrations
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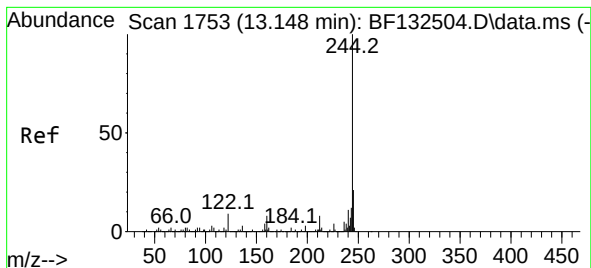
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#78
Pyrene
Concen: 11.474 ng m
RT: 13.116 min Scan# 1790
Delta R.T. 0.115 min
Lab File: BF132621.D
Acq: 02 Mar 2023 22:26

Tgt Ion:202 Resp: 224440
Ion Ratio Lower Upper
202 100
200 22.7 17.1 25.7
203 42.1 14.6 21.8





#79

Terphenyl-d14

Concen: 21.387 ng

RT: 13.222 min Scan# 1808

Delta R.T. 0.080 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058

Tgt Ion:244 Resp: 27214

Ion Ratio Lower Upper

244 100

212 10.5 6.5 9.7

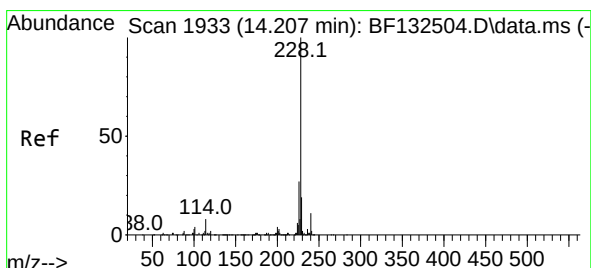
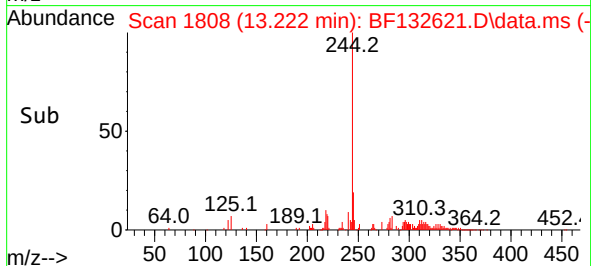
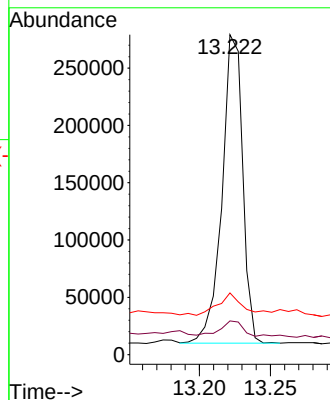
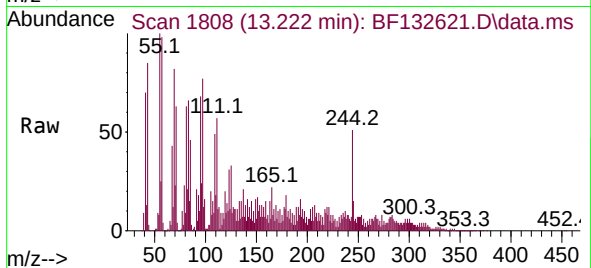
122 19.3 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#81

Benzo(a)anthracene

Concen: 5.484 ng

RT: 14.251 min Scan# 1983

Delta R.T. 0.056 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

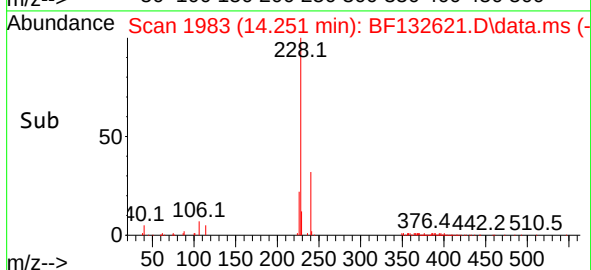
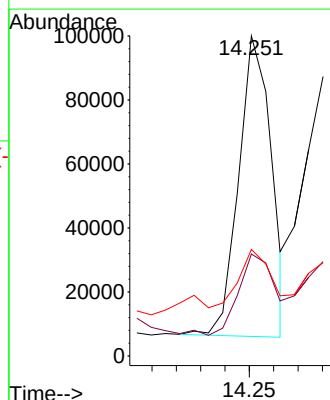
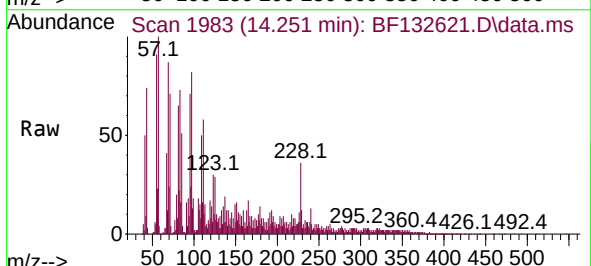
Tgt Ion:228 Resp: 88280

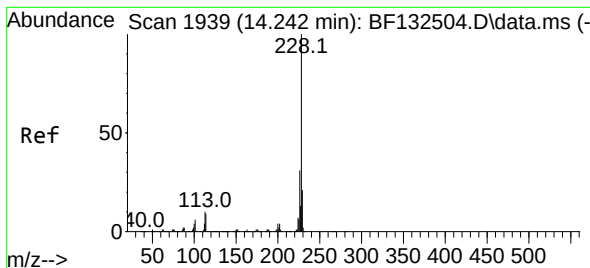
Ion Ratio Lower Upper

228 100

226 31.8 21.7 32.5

229 33.3 15.4 23.2





#83

Chrysene

Concen: 11.399 ng

RT: 14.286 min Scan# 1939

Delta R.T. 0.050 min

Lab File: BF132621.D

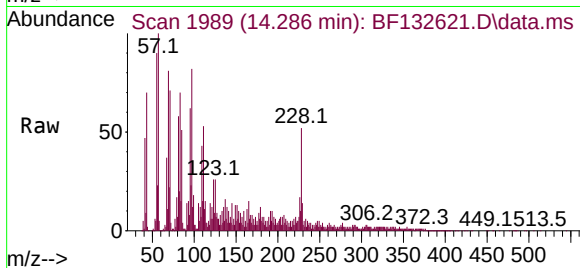
Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058



Tgt Ion:228 Resp: 171594

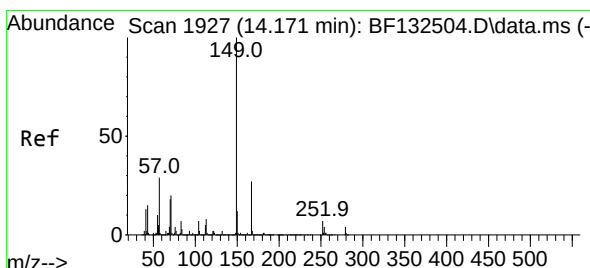
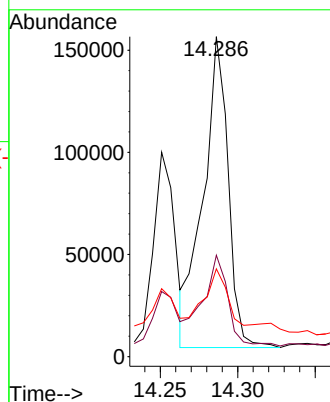
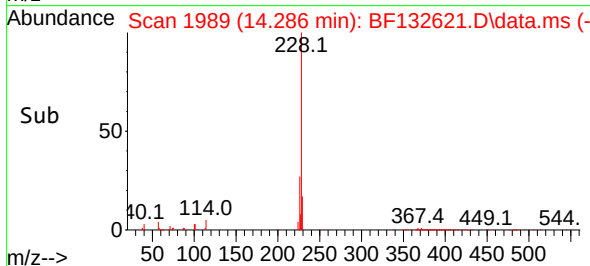
Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	27.4	16.4	24.6

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.188 ng

RT: 14.198 min Scan# 1974

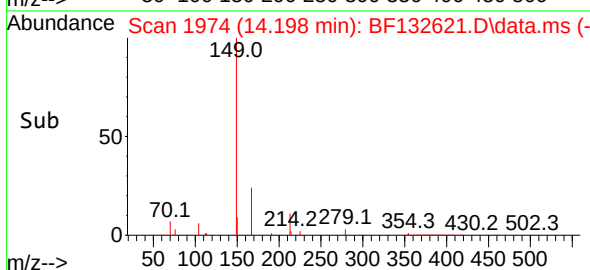
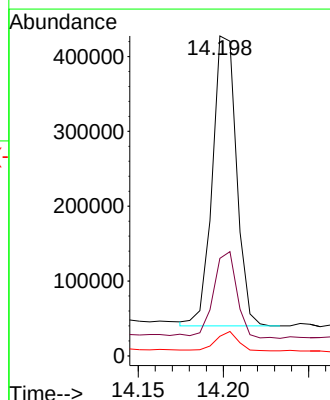
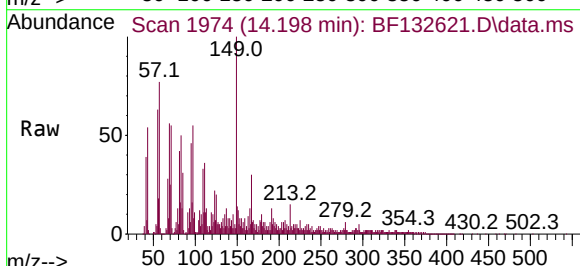
Delta R.T. 0.032 min

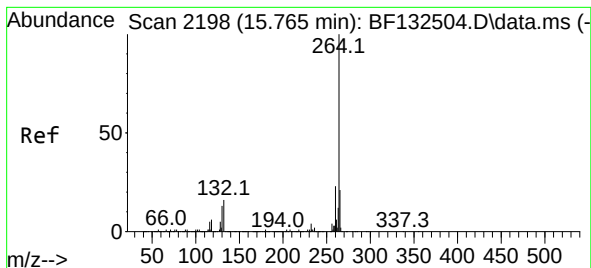
Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Tgt Ion:149 Resp: 381073

Ion	Ratio	Lower	Upper
149	100		
167	30.5	21.8	32.6
279	6.1	3.0	4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2198

Delta R.T. 0.044 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058

Tgt Ion: 264 Resp: 22596

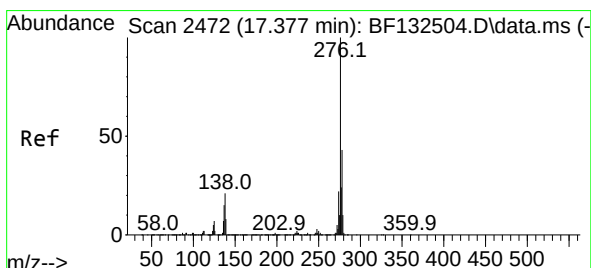
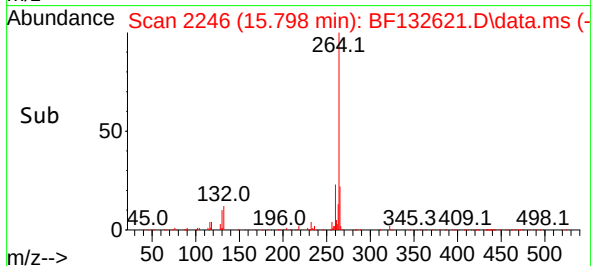
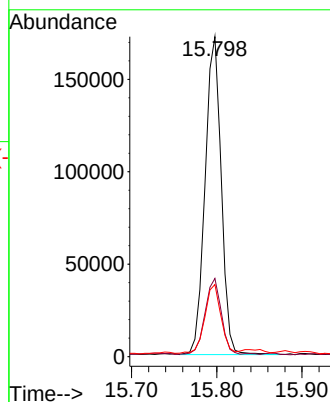
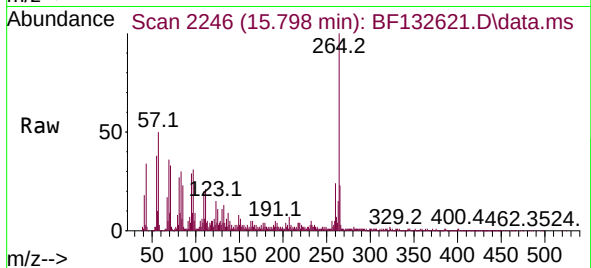
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.5	17.1	25.7

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 03/03/2023

Supervised By : Jagrut Upadhyay 03/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.543 ng

RT: 17.386 min Scan# 2516

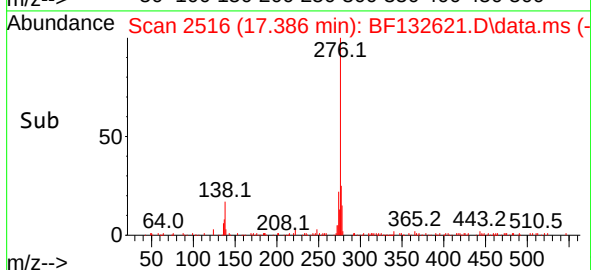
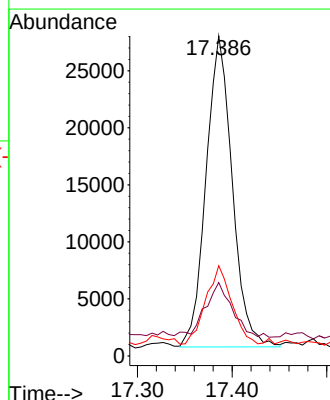
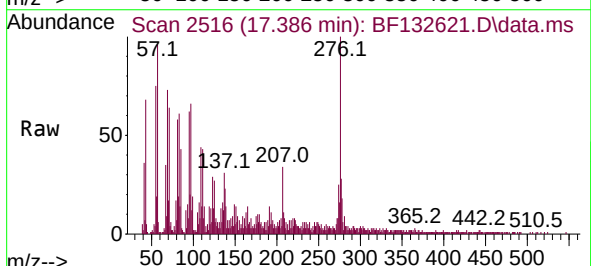
Delta R.T. 0.027 min

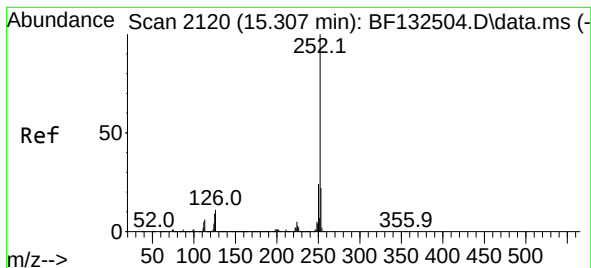
Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Tgt Ion: 276 Resp: 52454

Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.0	28.4
277	25.1	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 11.325 ng m

RT: 15.333 min Scan# 2117

Delta R.T. 0.038 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Instrument :

BNF

ClientSampleId :

RBR200058

Tgt Ion:252 Resp: 171494

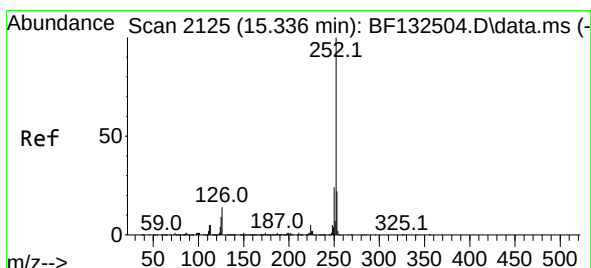
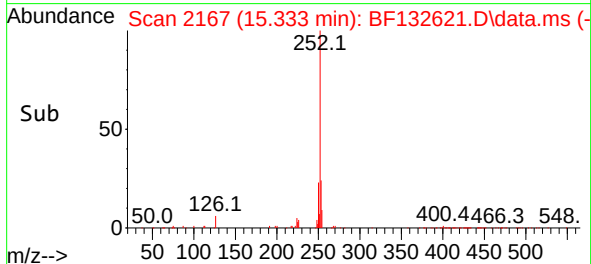
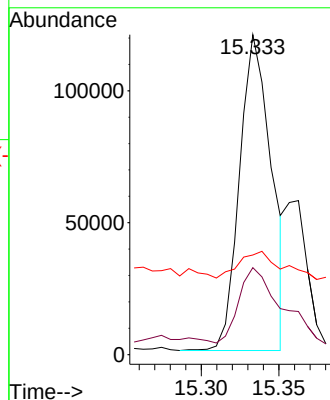
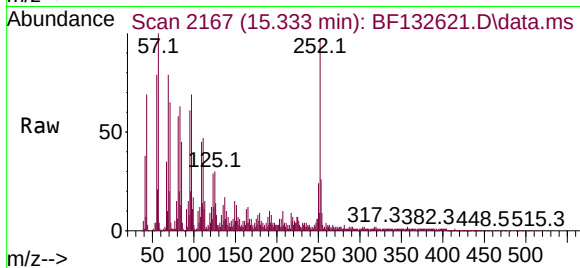
Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.4	26.0
125	31.1	7.0	10.6

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#89

Benzo(k)fluoranthene

Concen: 3.716 ng m

RT: 15.363 min Scan# 2172

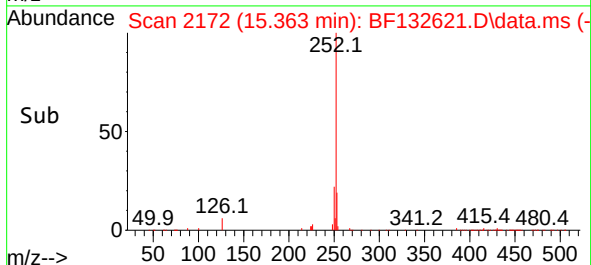
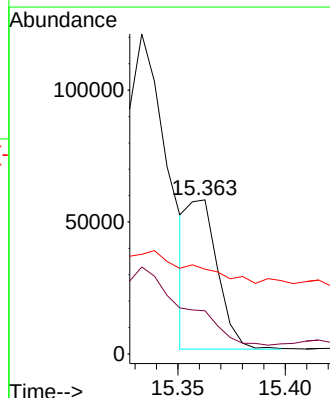
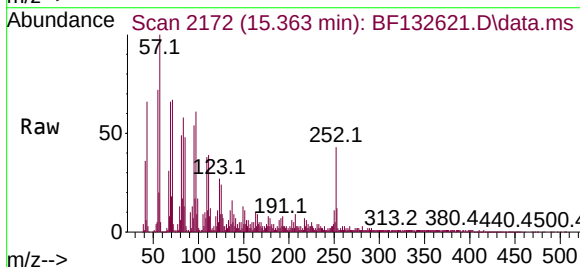
Delta R.T. 0.038 min

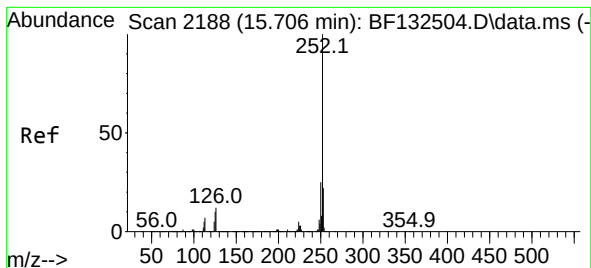
Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Tgt Ion:252 Resp: 55072

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.5	26.3
125	55.0	7.2	10.8





#90

Benzo(a)pyrene

Concen: 4.494 ng

RT: 15.727 min Scan# 2188

Delta R.T. 0.038 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Instrument :

BNA_F

ClientSampleId :

RBR200058

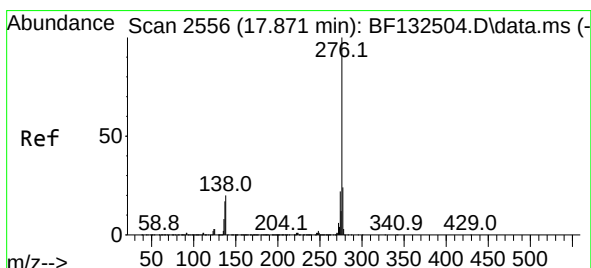
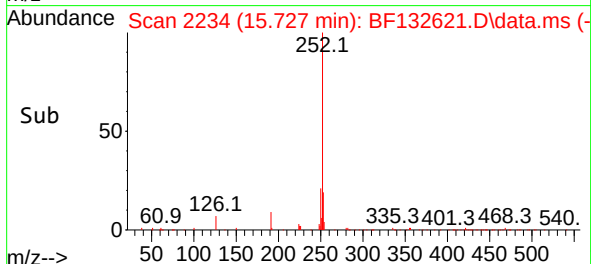
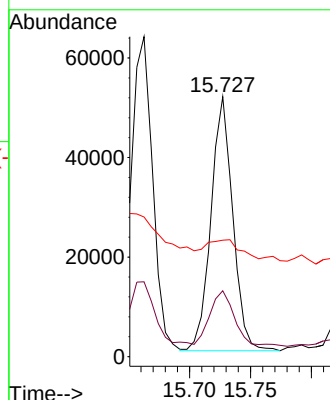
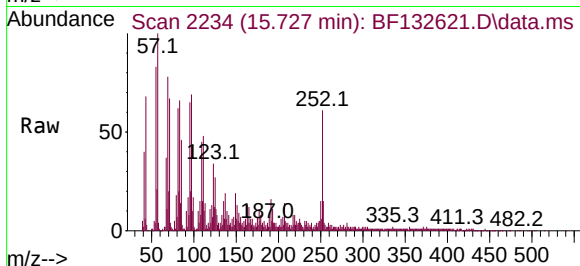
Tgt Ion:	252	Resp:	63696
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.2	25.8
125	44.8	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#92

Benzo(g,h,i)perylene

Concen: 5.222 ng

RT: 17.874 min Scan# 2599

Delta R.T. 0.021 min

Lab File: BF132621.D

Acq: 02 Mar 2023 22:26

Tgt Ion:	276	Resp:	50894
Ion Ratio	Lower	Upper	
276	100		
277	29.2	18.9	28.3
138	23.3	16.2	24.4

