

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132043.D
 Acq On : 12 Jan 2023 16:04
 Operator : CG\JU
 Sample : 01080-05DL3 200X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(15-17)DL3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

Quant Time: Jan 12 16:38:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 16:33:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	75692	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	280231	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	160428	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	305757	20.000	ng	0.00
76) Chrysene-d12	13.957	240	161779	20.000	ng	0.00
86) Perylene-d12	15.416	264	170228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1774	0.386	ng	0.02
7) Phenol-d6	6.434	99	2982	0.490	ng	0.01
23) Nitrobenzene-d5	7.340	82	2044	0.303	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	579	0.314	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	3478	0.293	ng	0.00
79) Terphenyl-d14	12.892	244	3043	0.270	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.087	128	823907	55.634	ng	100
37) 2-Methylnaphthalene	8.775	142	50830	4.779	ng	98
38) 1-Methylnaphthalene	8.875	142	34948	3.546	ng	97
55) Dibenzofuran	10.022	168	29906	2.119	ng	99
58) Fluorene	10.369	166	28300	2.511	ng	89
71) Phenanthrene	11.333	178	156876	9.842	ng	99
72) Anthracene	11.386	178	35950	2.191	ng	99
75) Fluoranthene	12.528	202	111972	6.246	ng	97
78) Pyrene	12.757	202	99994	6.777	ng	97
81) Benzo(a)anthracene	13.945	228	25271	2.147	ng	97
88) Benzo(b)fluoranthene	14.992	252	24136m	2.067	ng	
92) Benzo(g,h,i)perylene	17.304	276	13380	4.848	ng	99

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

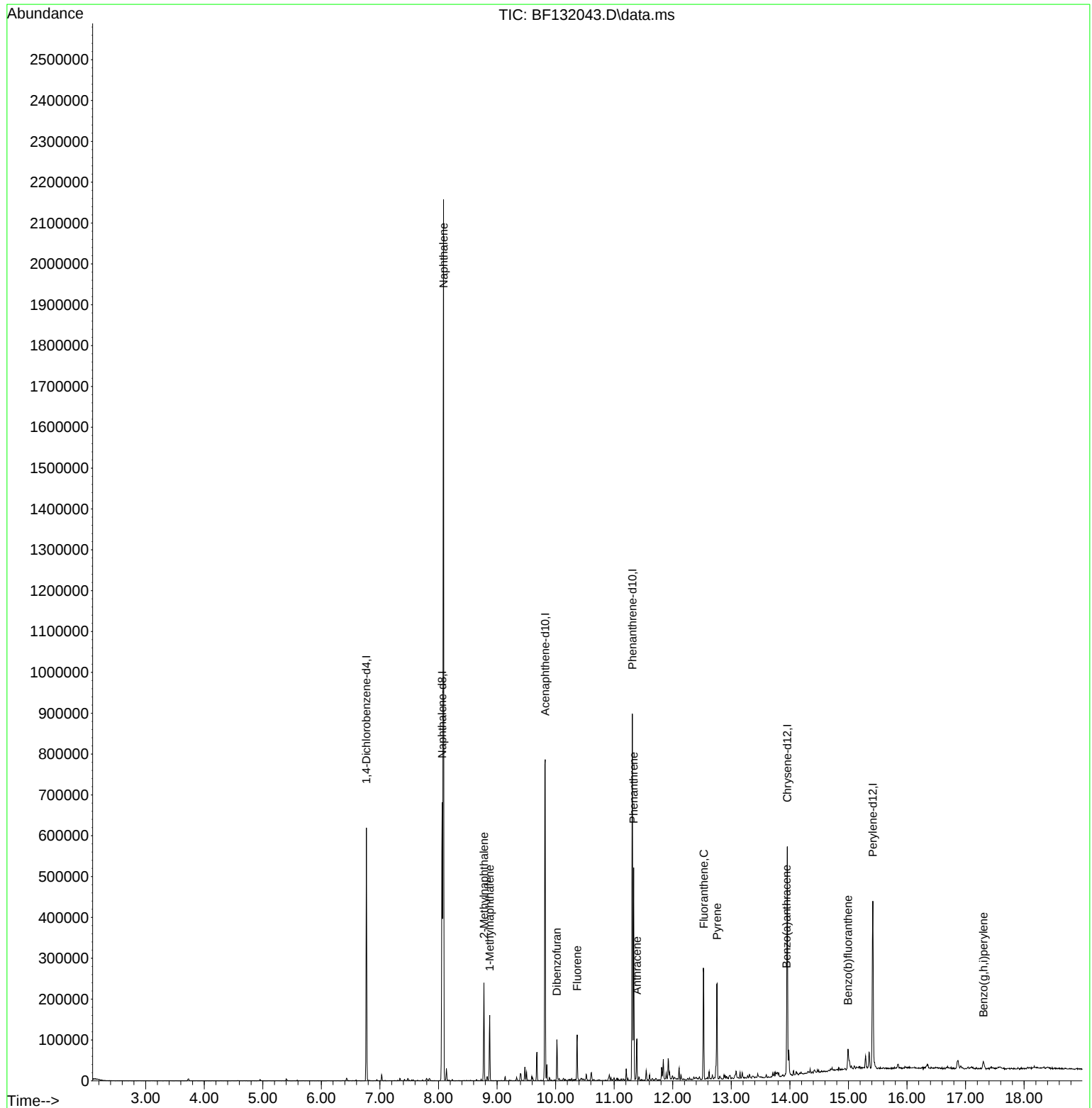
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132043.D
Acq On : 12 Jan 2023 16:04
Operator : CG\JU
Sample : 01080-05DL3 200X
Misc :
ALS Vial : 8 Sample Multiplier: 1

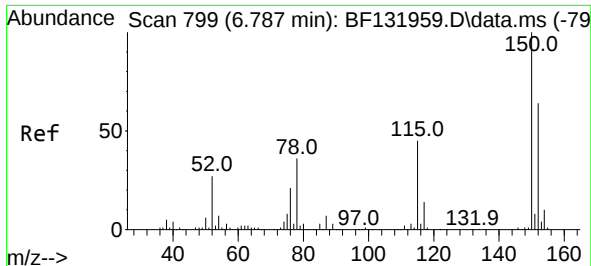
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3

Quant Time: Jan 12 16:38:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 12 16:33:43 2023
Response via : Initial Calibration

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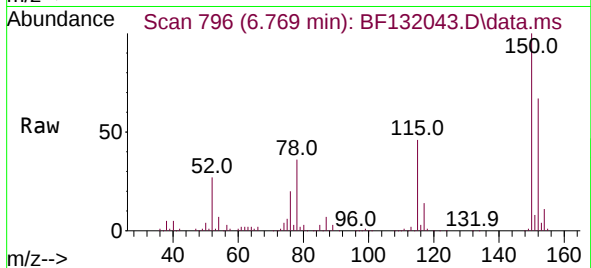
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

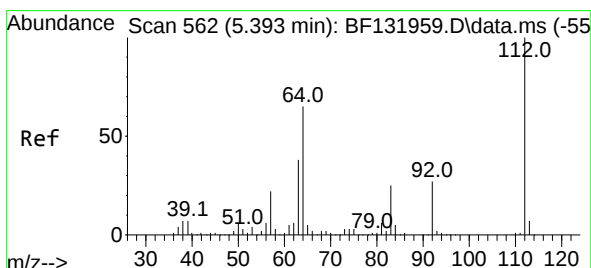
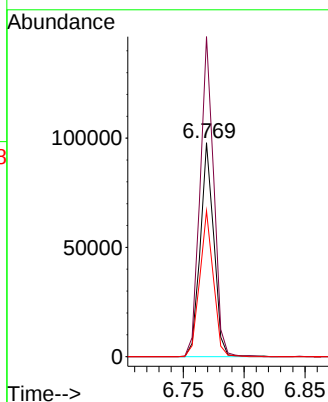
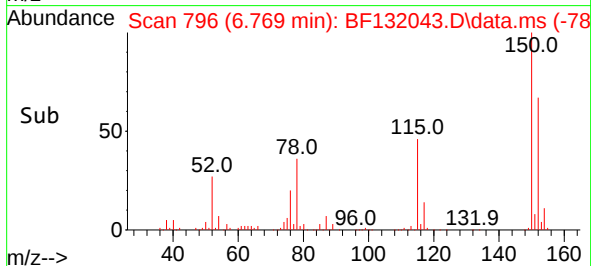
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



Tgt Ion:152 Resp: 75692
Ion Ratio Lower Upper
152 100
150 149.6 124.6 186.8
115 68.1 55.6 83.4

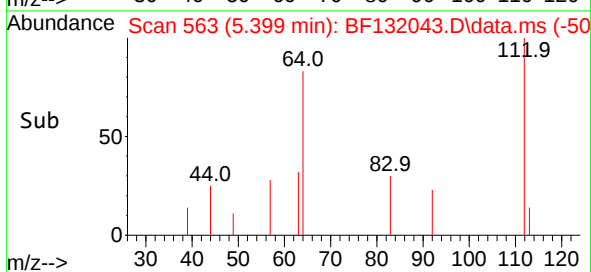
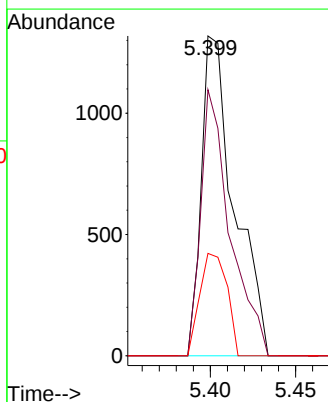
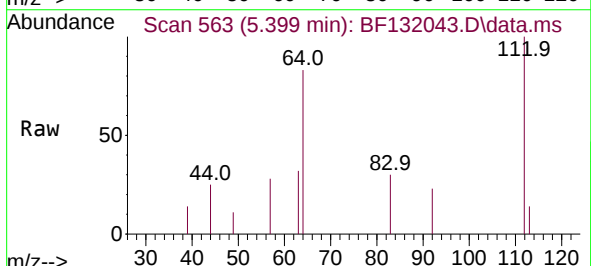
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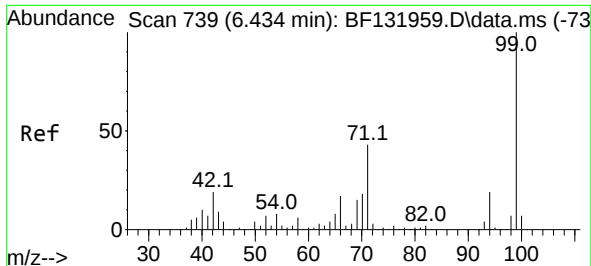
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#5
2-Fluorophenol
Concen: 0.386 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.018 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

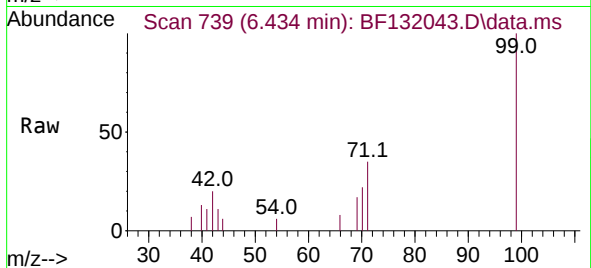
Tgt Ion:112 Resp: 1774
Ion Ratio Lower Upper
112 100
64 83.2 51.9 77.9#
63 32.0 30.2 45.2





#7
Phenol-d6
Concen: 0.490 ng
RT: 6.434 min Scan# 739
Delta R.T. 0.012 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

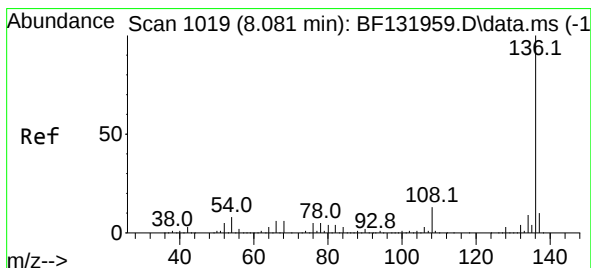
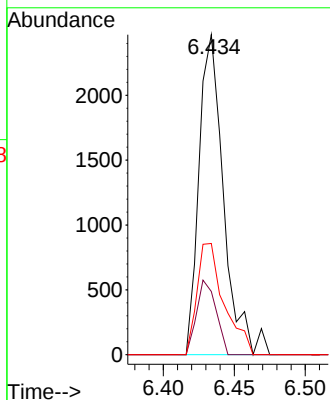
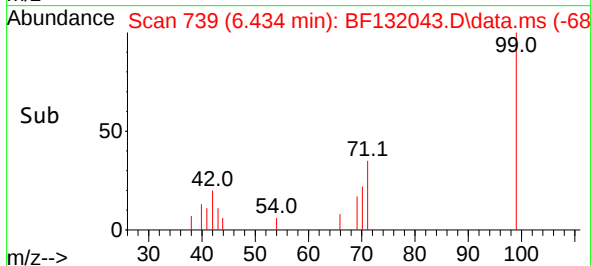
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



Tgt Ion: 99 Resp: 2982
Ion Ratio Lower Upper
99 100
42 19.7 15.4 23.2
71 34.8 34.6 51.8

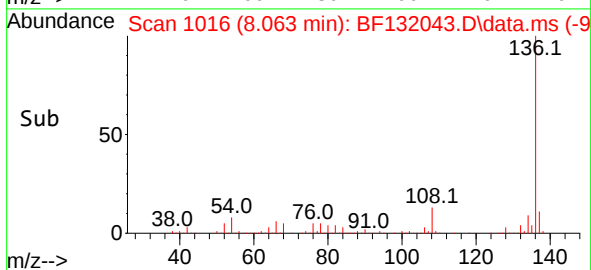
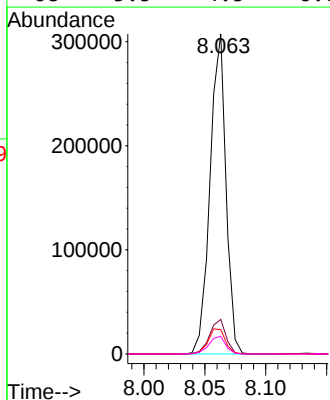
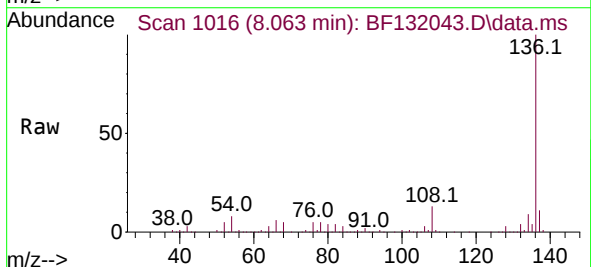
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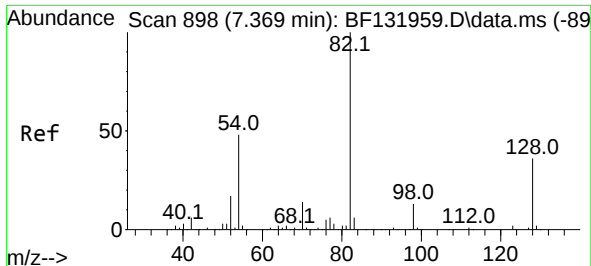
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

Tgt Ion:136 Resp: 280231
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.2
54 7.6 6.6 9.8
68 5.5 4.5 6.7





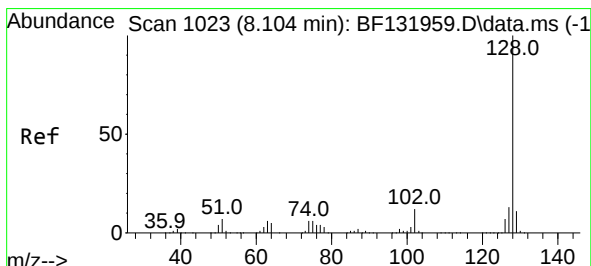
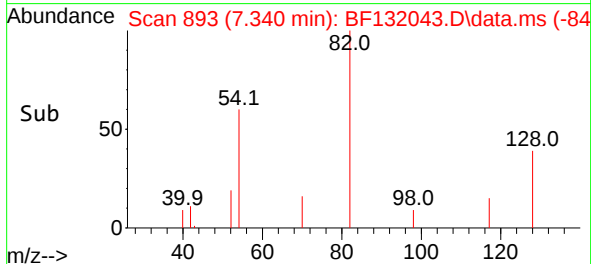
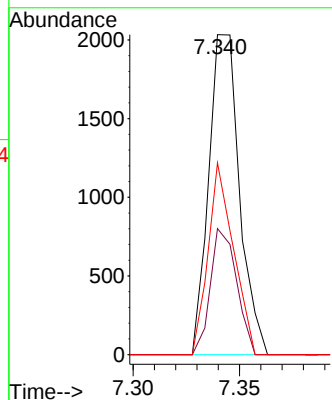
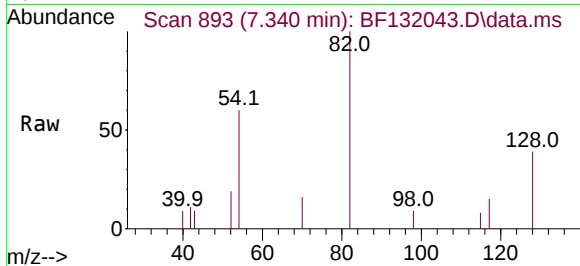
#23
Nitrobenzene-d5
Concen: 0.303 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

Instrument :
BNA_F
Client Sample Id :
B-3-(15-17)DL3

Tgt Ion: 82 Resp: 2044
Ion Ratio Lower Upper
82 100
128 39.4 28.7 43.1
54 59.9 38.1 57.1

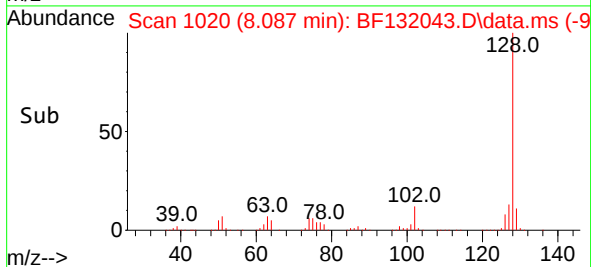
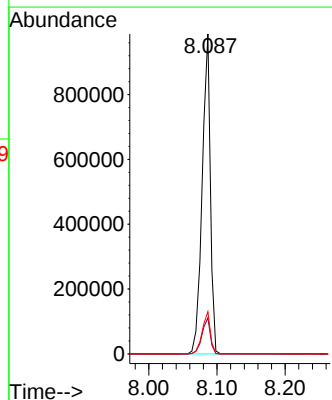
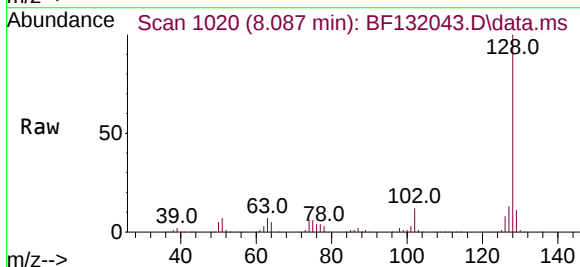
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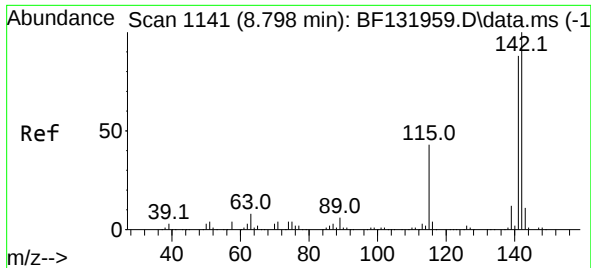
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#31
Naphthalene
Concen: 55.634 ng
RT: 8.087 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

Tgt Ion:128 Resp: 823907
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.2 10.5 15.7





#37

2-Methylnaphthalene

Concen: 4.779 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF132043.D

Acq: 12 Jan 2023 16:04

Instrument :

BNA_F

ClientSampleId :

B-3-(15-17)DL3

Tgt Ion:142 Resp: 50830

Ion Ratio Lower Upper

142 100

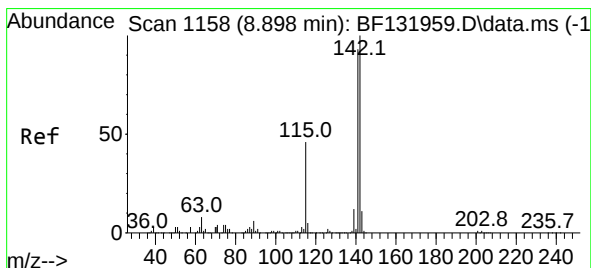
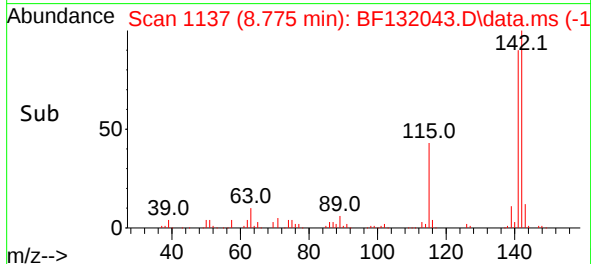
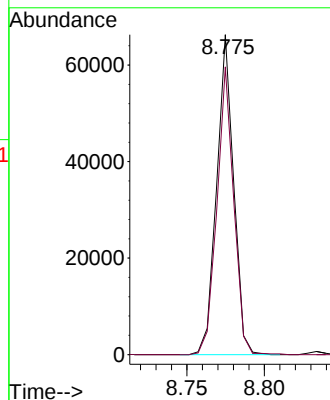
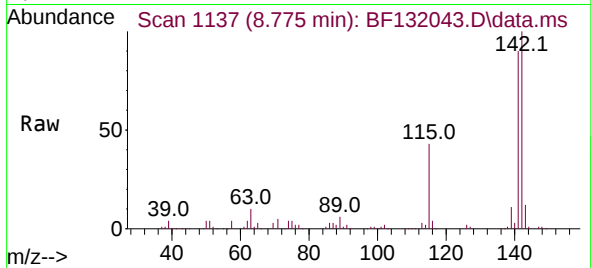
141 89.9 70.6 106.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/13/2023

Supervised By :mohammad ahmed 01/13/2023



#38

1-Methylnaphthalene

Concen: 3.546 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF132043.D

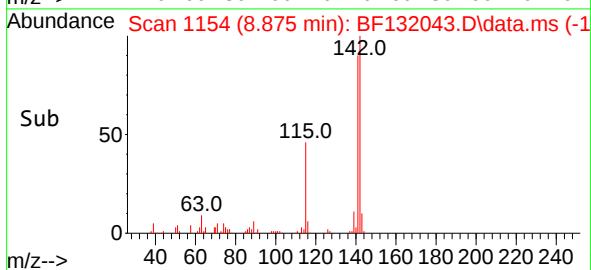
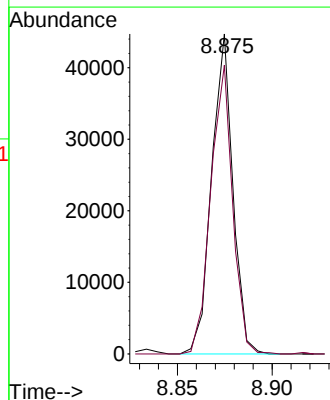
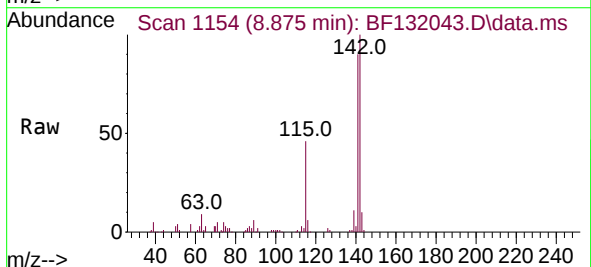
Acq: 12 Jan 2023 16:04

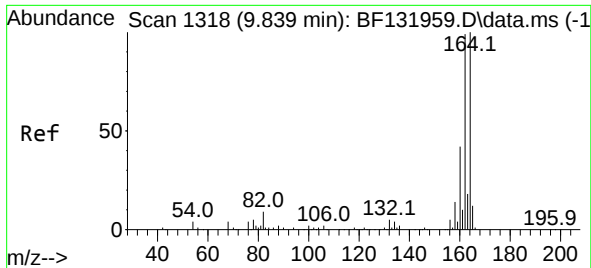
Tgt Ion:142 Resp: 34948

Ion Ratio Lower Upper

142 100

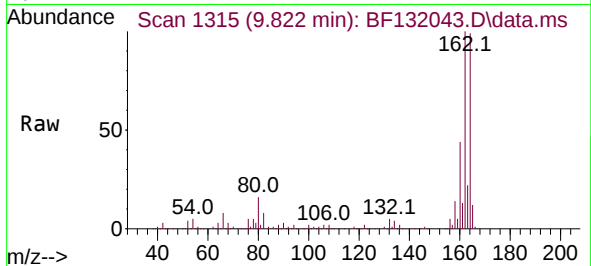
141 90.2 74.3 111.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

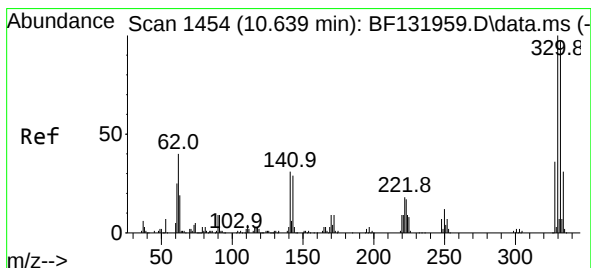
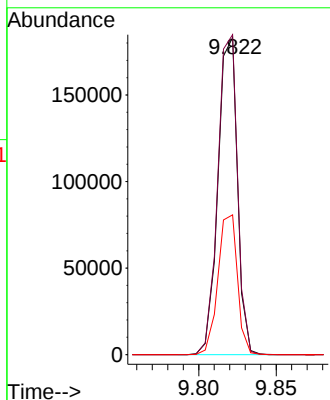
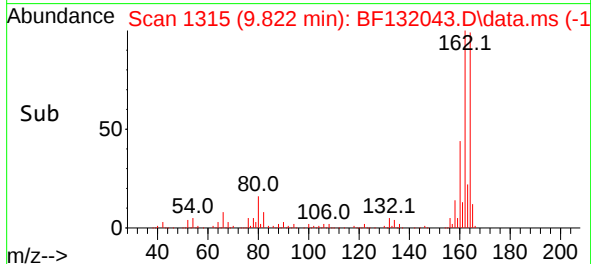
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



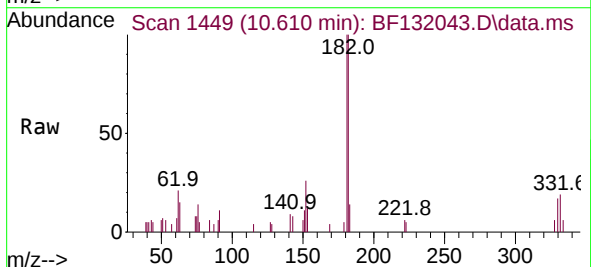
Tgt Ion:164 Resp: 160428
Ion Ratio Lower Upper
164 100
162 100.9 79.4 119.0
160 44.1 33.9 50.9

Manual Integrations
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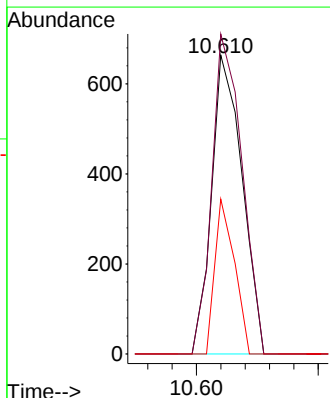
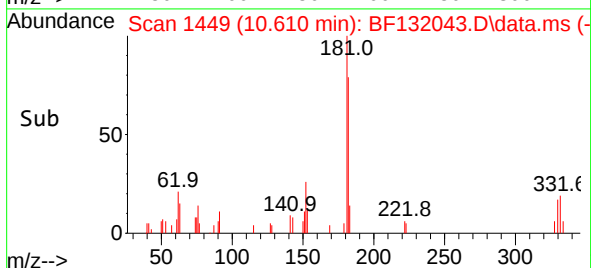
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

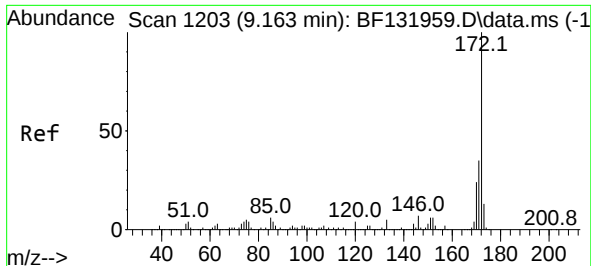


#42
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04



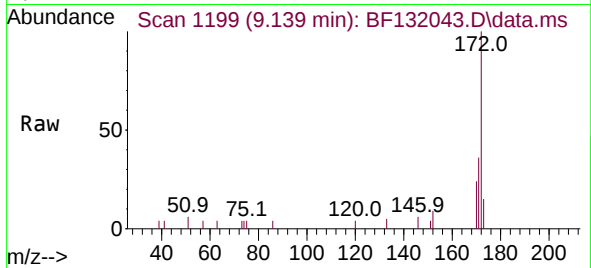
Tgt Ion:330 Resp: 579
Ion Ratio Lower Upper
330 100
332 105.9 76.9 115.3
141 33.2 31.3 46.9





#45
2-Fluorobiphenyl
Concen: 0.293 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

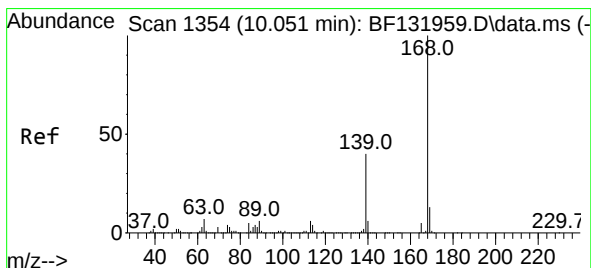
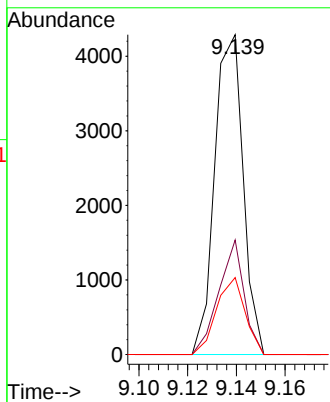
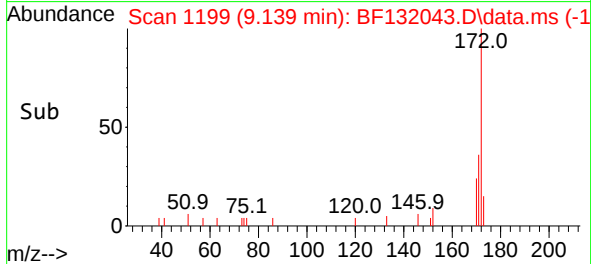
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



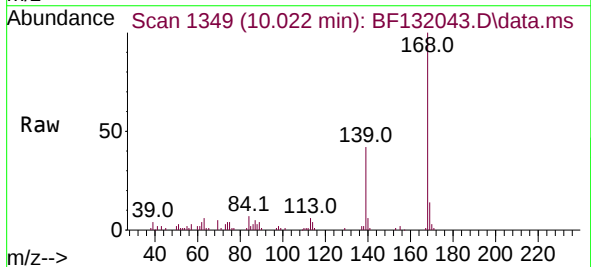
Tgt Ion:172 Resp: 3478
Ion Ratio Lower Upper
172 100
171 35.8 28.0 42.0
170 24.1 18.9 28.3

Manual Integrations
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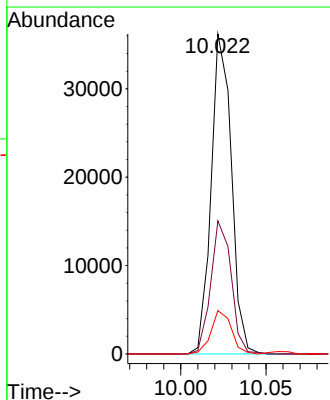
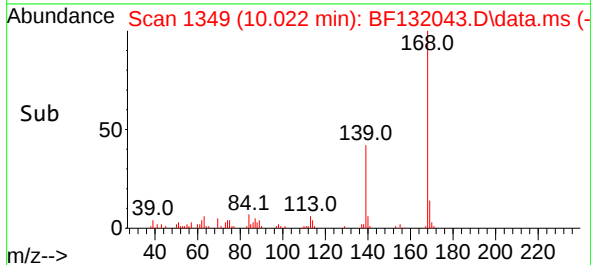
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

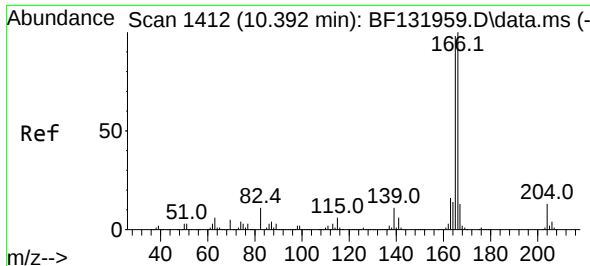


#55
Dibenzofuran
Concen: 2.119 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04



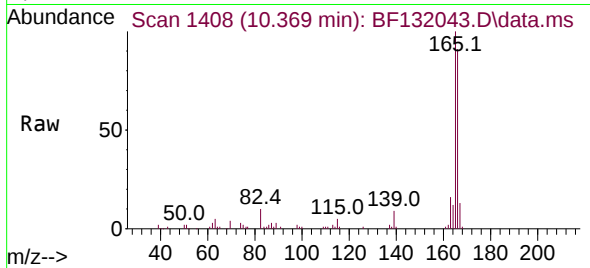
Tgt Ion:168 Resp: 29906
Ion Ratio Lower Upper
168 100
139 41.6 32.4 48.6
169 13.5 10.7 16.1





#58
Fluorene
Concen: 2.511 ng
RT: 10.369 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

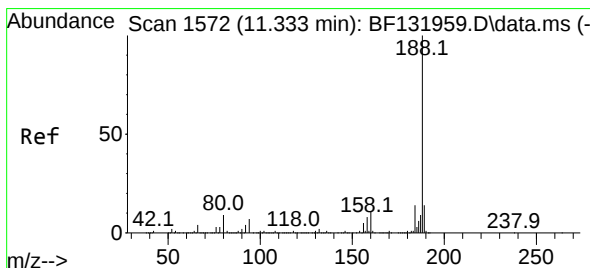
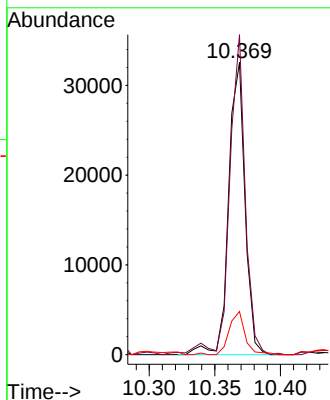
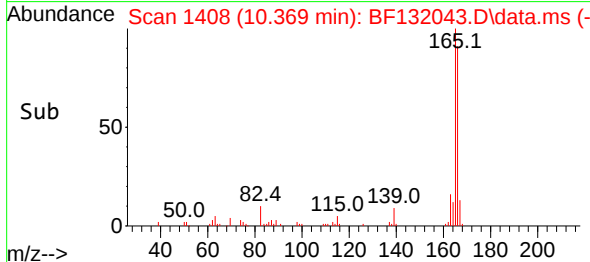
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



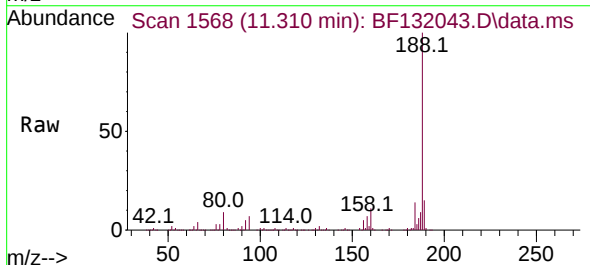
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Ion Ratio Lower Upper
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165 109.5 78.3 117.5
167 14.8 10.7 16.1

Manual Integrations
APPROVED

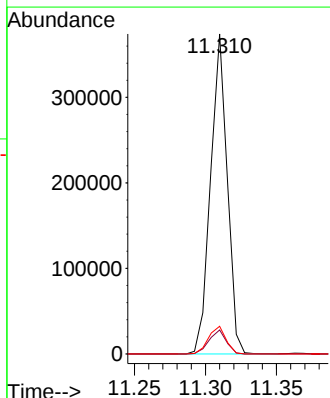
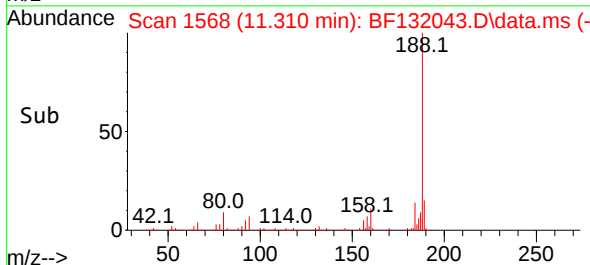
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

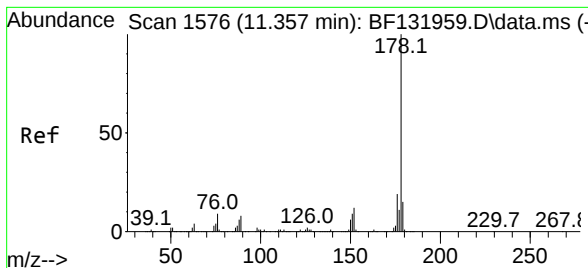


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04



Tgt Ion:188 Resp: 305757
Ion Ratio Lower Upper
188 100
94 7.5 5.8 8.6
80 8.6 7.4 11.0





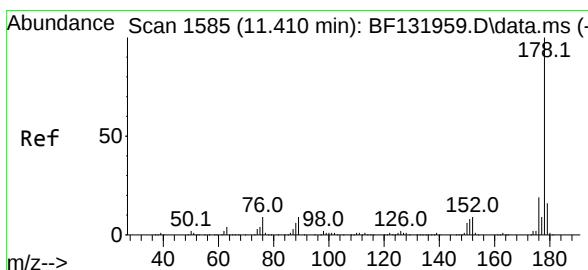
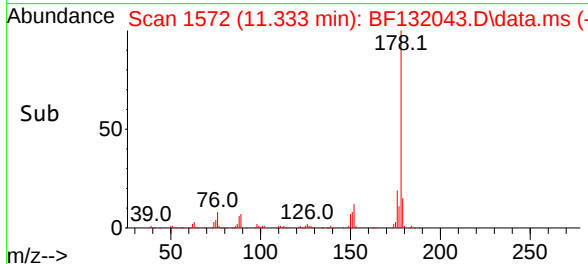
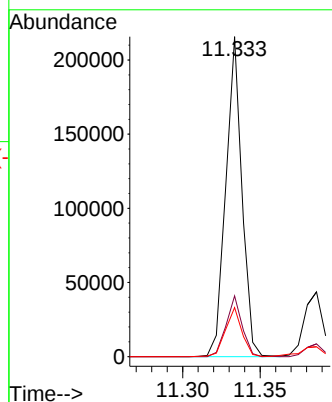
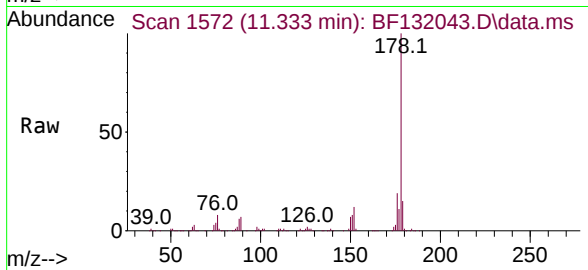
#71
Phenanthrene
Concen: 9.842 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3

Tgt Ion:178 Resp: 156876
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.4 18.6

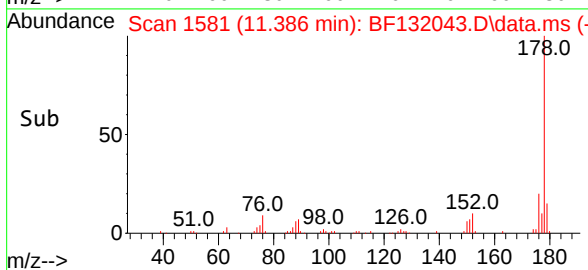
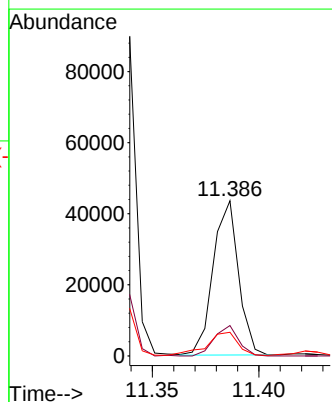
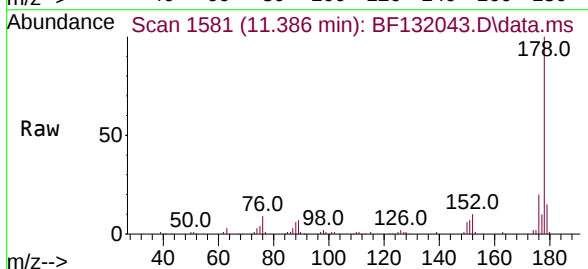
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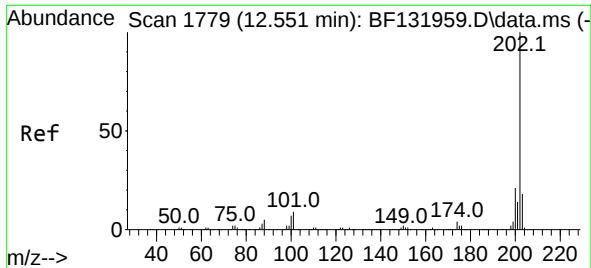
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#72
Anthracene
Concen: 2.191 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

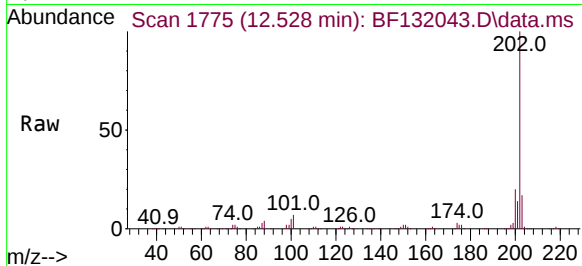
Tgt Ion:178 Resp: 35950
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 6.246 ng
RT: 12.528 min Scan# 111972
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

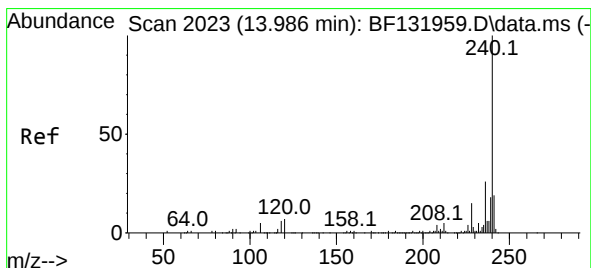
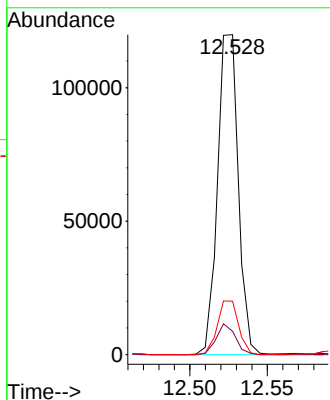
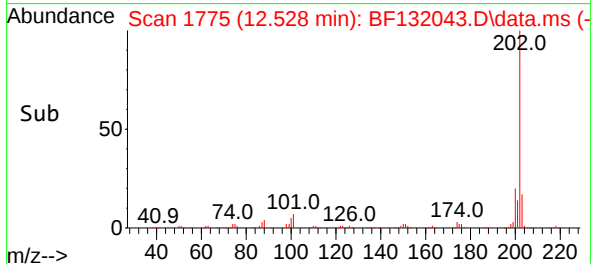
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



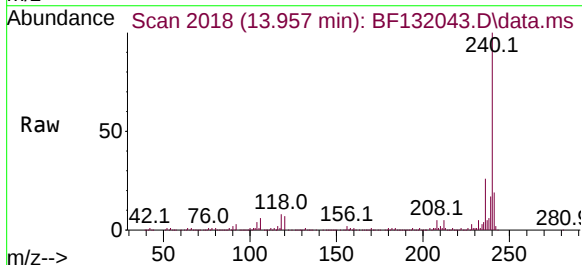
Tgt Ion:202 Resp: 111972
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.8
203 16.7 0.0 37.6

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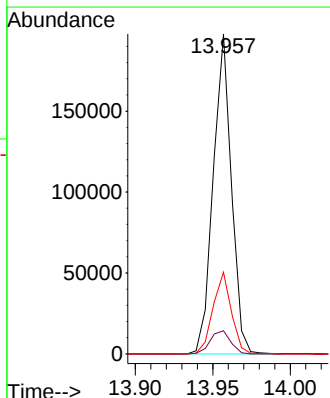
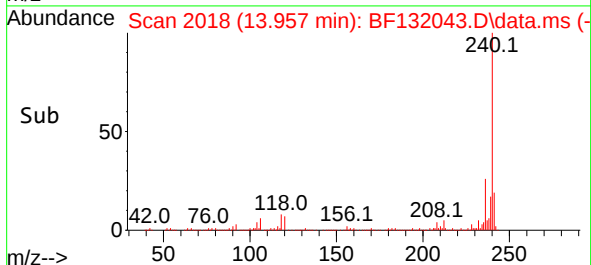
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

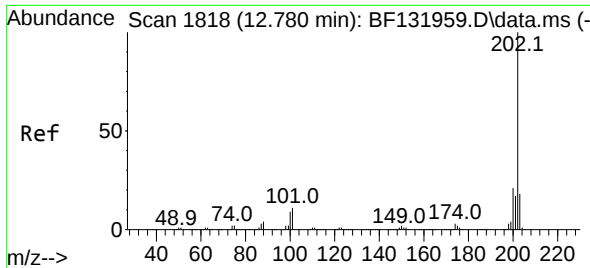


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04



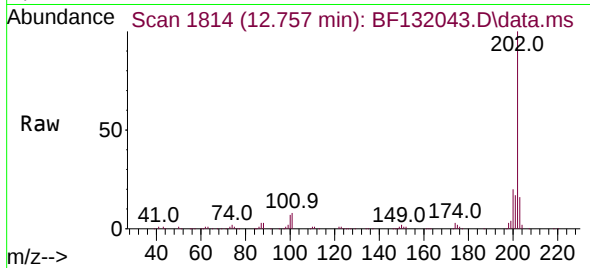
Tgt Ion:240 Resp: 161779
Ion Ratio Lower Upper
240 100
120 7.2 5.4 8.0
236 25.5 21.1 31.7





#78
Pyrene
Concen: 6.777 ng
RT: 12.757 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

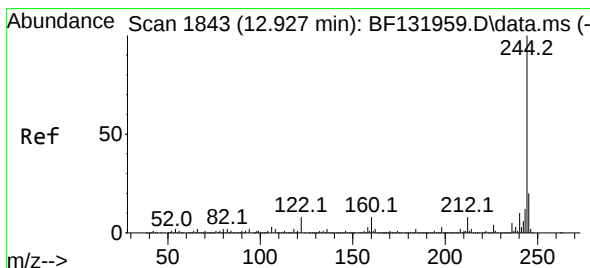
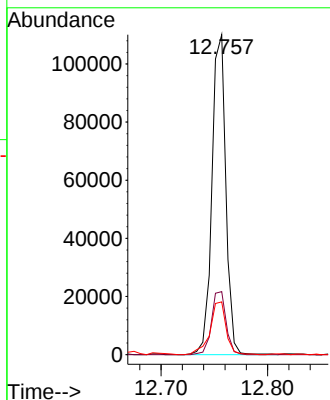
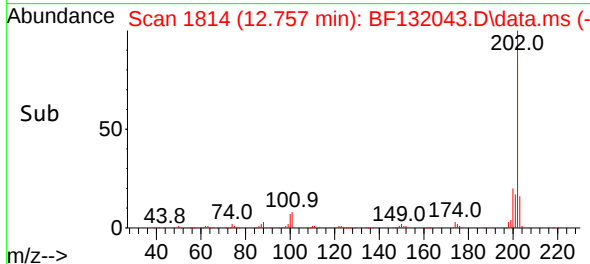
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



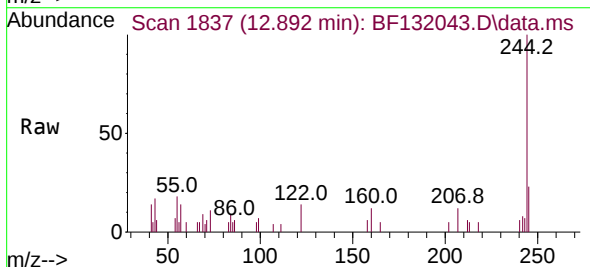
Tgt Ion:202 Resp: 99994
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.6
203 16.5 14.1 21.1

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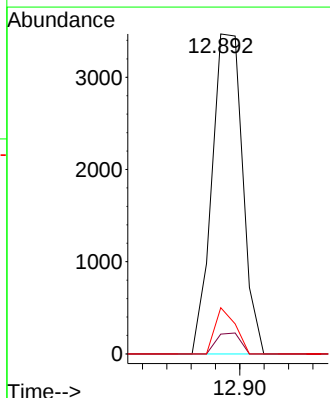
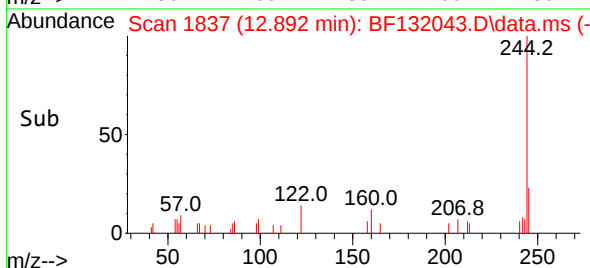
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

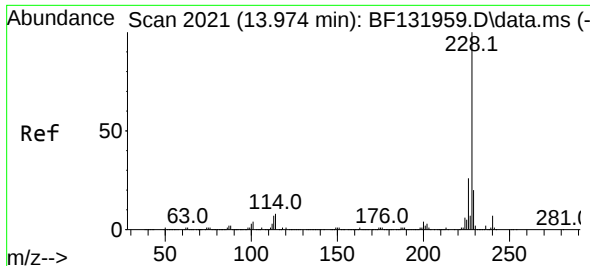


#79
Terphenyl-d14
Concen: 0.270 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04



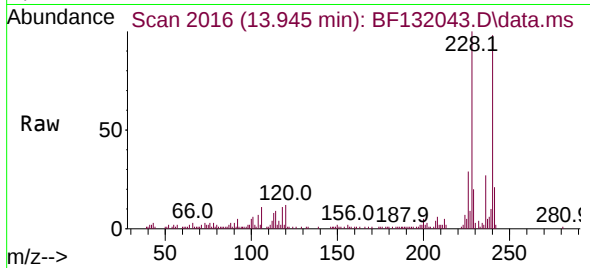
Tgt Ion:244 Resp: 3043
Ion Ratio Lower Upper
244 100
212 6.2 6.3 9.5#
122 14.4 6.8 10.2#





#81
Benzo(a)anthracene
Concen: 2.147 ng
RT: 13.945 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

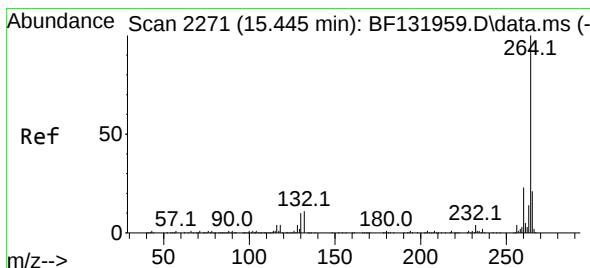
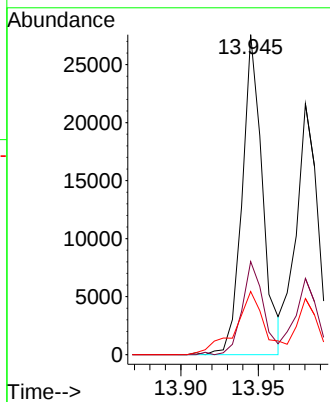
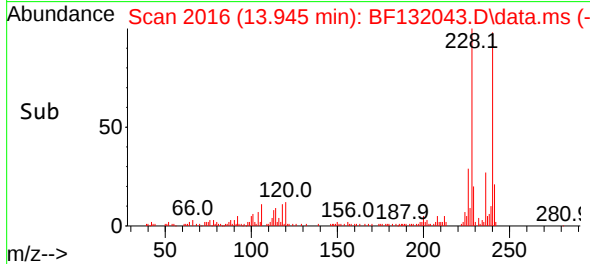
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



Tgt Ion:228 Resp: 2527
Ion Ratio Lower Upper
228 100
226 29.1 21.0 31.4
229 19.7 15.8 23.6

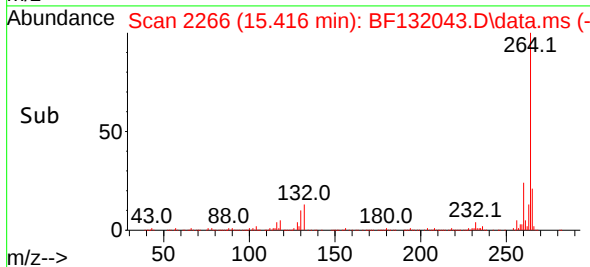
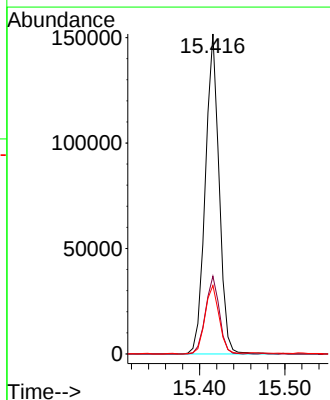
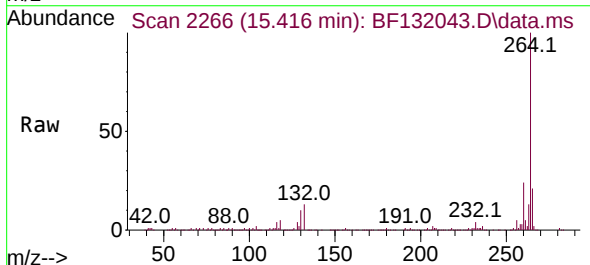
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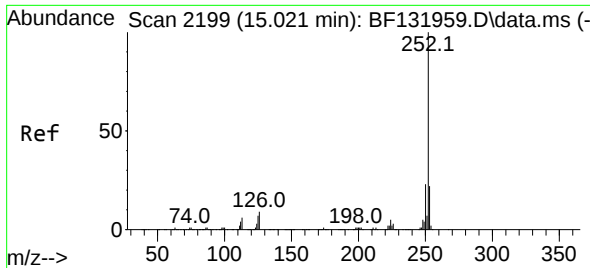
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

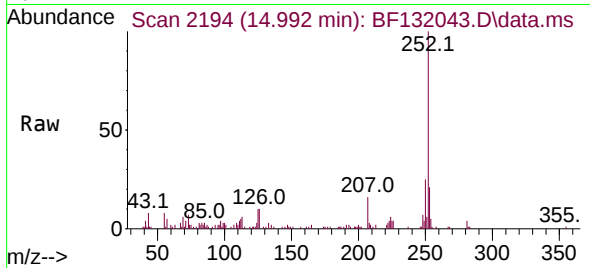
Tgt Ion:264 Resp: 170228
Ion Ratio Lower Upper
264 100
260 24.3 18.3 27.5
265 21.4 16.9 25.3





#88
Benzo(b)fluoranthene
Concen: 2.067 ng m
RT: 14.992 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

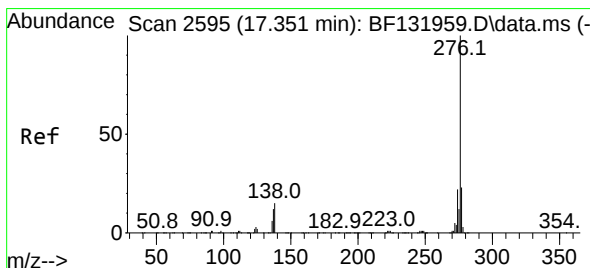
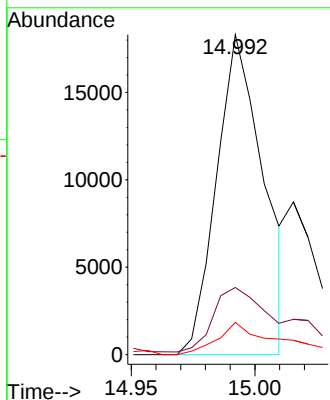
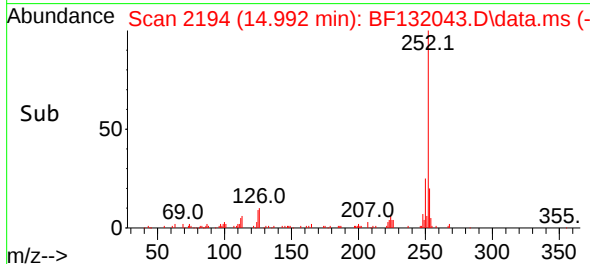
Instrument :
BNA_F
ClientSampleId :
B-3-(15-17)DL3



Tgt Ion: 252 Resp: 24136
Ion Ratio Lower Upper
252 100
253 21.0 18.0 27.0
125 10.1 5.8 8.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#92
Benzo(g,h,i)perylene
Concen: 4.848 ng
RT: 17.304 min Scan# 2587
Delta R.T. -0.012 min
Lab File: BF132043.D
Acq: 12 Jan 2023 16:04

Tgt Ion: 276 Resp: 13380
Ion Ratio Lower Upper
276 100
277 21.9 18.2 27.2
138 14.8 11.7 17.5

