

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131357.D
 Acq On : 23 Nov 2022 11:52
 Operator : CG\JU
 Sample : N5723-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-111822DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/25/2022
 Supervised By : Jagrut Upadhyay 11/25/2022

Quant Time: Nov 23 12:55:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 01:17:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	93008	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	342874	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	193103	20.000	ng	-0.01
64) Phenanthrene-d10	11.516	188	314591	20.000	ng	0.00
76) Chrysene-d12	14.168	240	184658	20.000	ng	#-0.01
86) Perylene-d12	15.715	264	198496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	319864	65.454	ng	0.00
7) Phenol-d6	6.569	99	404557	64.884	ng	-0.02
23) Nitrobenzene-d5	7.528	82	266842	39.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.810	330	106625	65.632	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	513335	38.674	ng	0.00
79) Terphenyl-d14	13.110	244	419552	37.154	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.275	128	125364	6.861	ng	100
37) 2-Methylnaphthalene	8.969	142	55521	4.485	ng	98
38) 1-Methylnaphthalene	9.069	142	48677	4.055	ng	99
52) Acenaphthene	10.051	154	64230	5.692	ng	97
55) Dibenzofuran	10.222	168	84222	5.188	ng	98
58) Fluorene	10.569	166	123803	9.772	ng	99
71) Phenanthrene	11.539	178	711787	41.866	ng	100
72) Anthracene	11.592	178	203310	12.168	ng	99
73) Carbazole	11.739	167	52782	3.703	ng	99
75) Fluoranthene	12.739	202	633846	35.380	ng	97
78) Pyrene	12.969	202	560655	34.413	ng	100
81) Benzo(a)anthracene	14.163	228	228316	18.038	ng	95
83) Chrysene	14.198	228	206460	16.626	ng	98
87) Indeno(1,2,3-cd)pyrene	17.286	276	102357	7.678	ng	97
88) Benzo(b)fluoranthene	15.257	252	249830m	18.946	ng	
89) Benzo(k)fluoranthene	15.280	252	76106m	5.616	ng	
90) Benzo(a)pyrene	15.645	252	200795	18.558	ng	# 97
91) Dibenzo(a,h)anthracene	17.298	278	27304	2.481	ng	# 88
92) Benzo(g,h,i)perylene	17.756	276	99402	9.048	ng	97

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

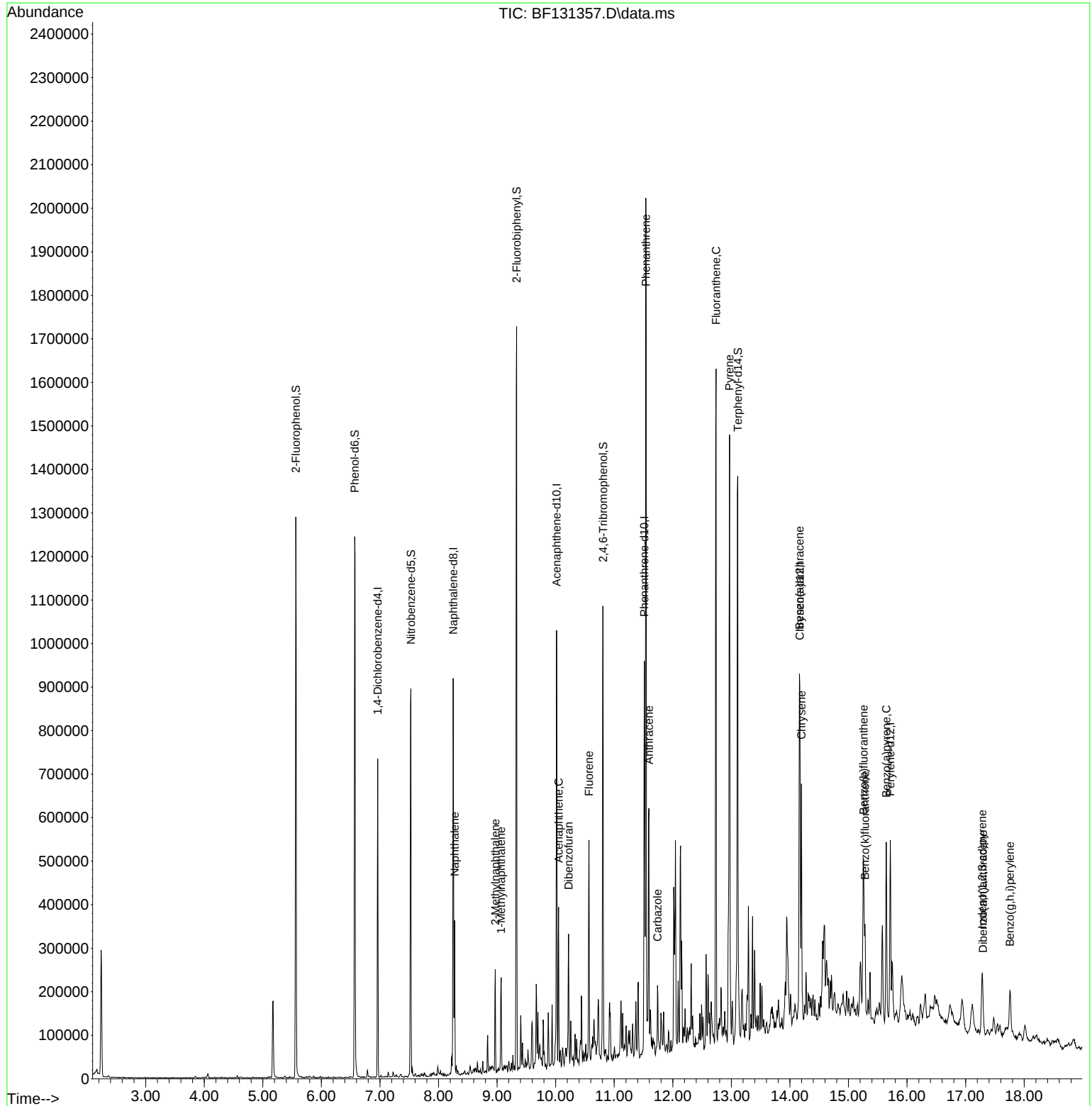
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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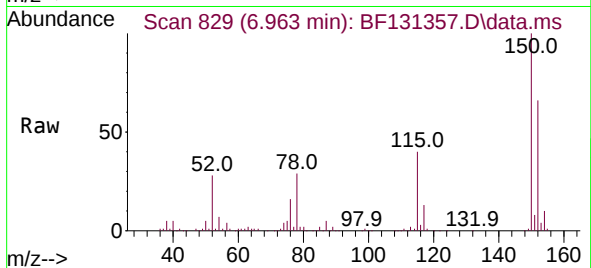
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

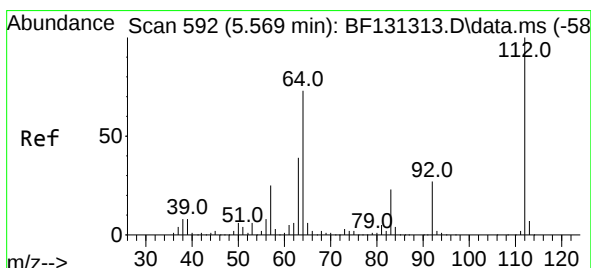
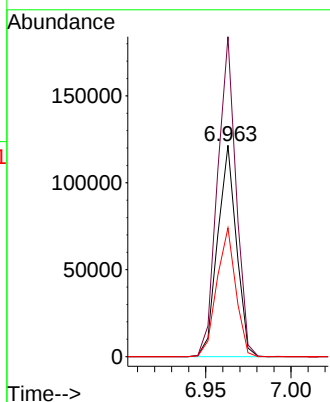
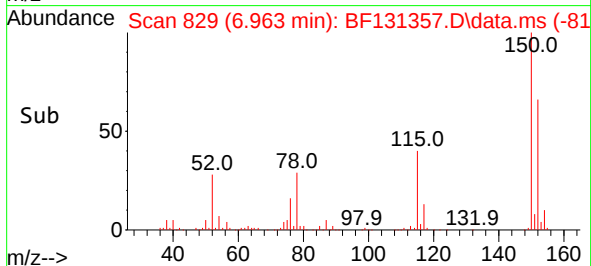
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



Tgt Ion:152 Resp: 93008
Ion Ratio Lower Upper
152 100
150 151.5 117.8 176.8
115 60.9 47.1 70.7

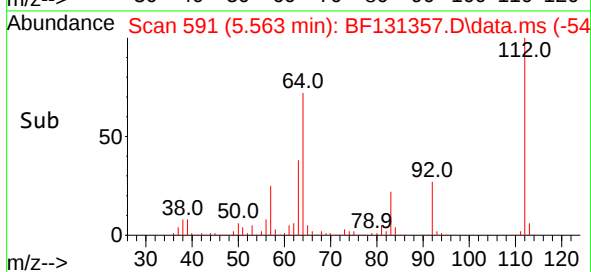
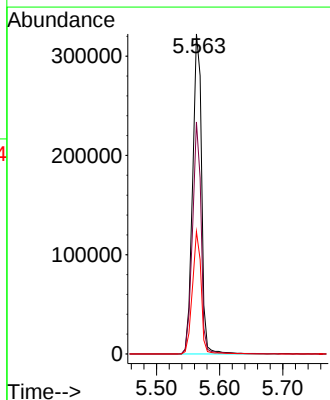
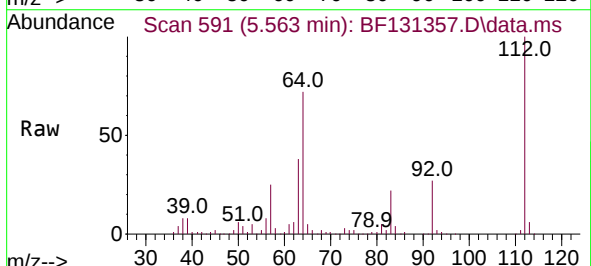
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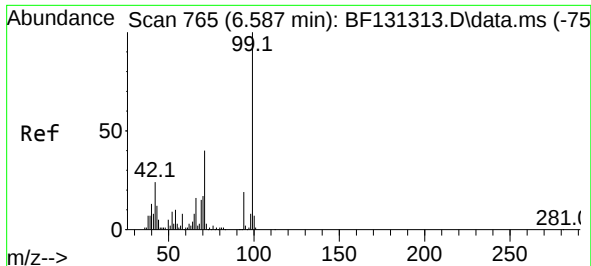
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#5
2-Fluorophenol
Concen: 65.454 ng
RT: 5.563 min Scan# 591
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

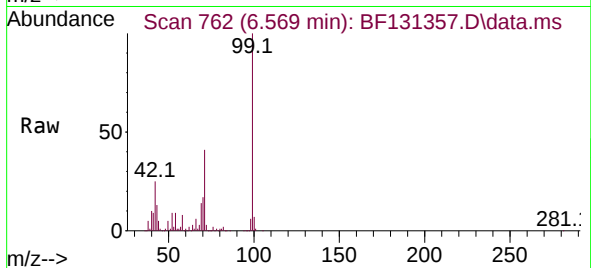
Tgt Ion:112 Resp: 319864
Ion Ratio Lower Upper
112 100
64 72.5 58.6 88.0
63 38.2 31.4 47.0





#7
Phenol-d6
Concen: 64.884 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.018 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

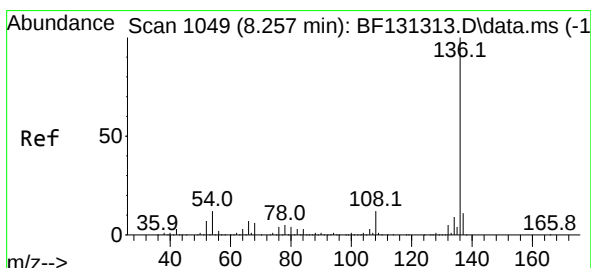
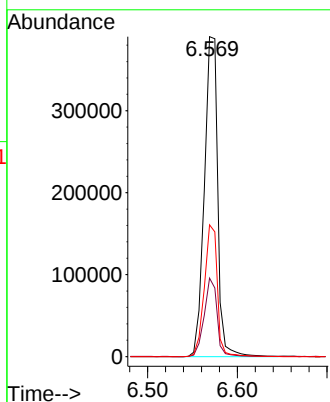
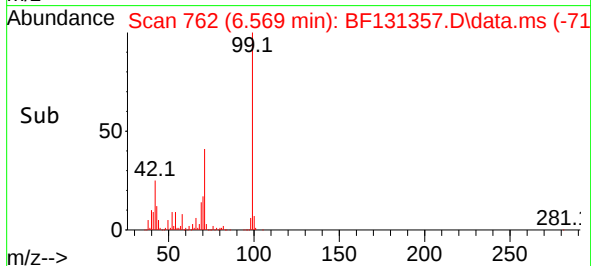
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 404552
Ion Ratio Lower Upper
99 100
42 24.5 19.4 29.2
71 41.2 32.3 48.5

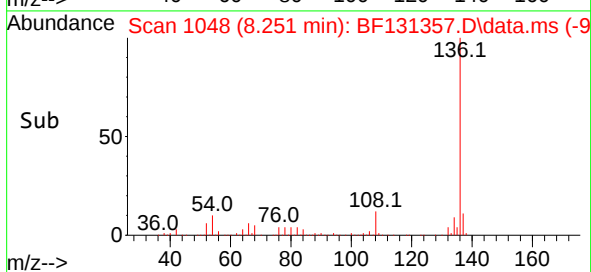
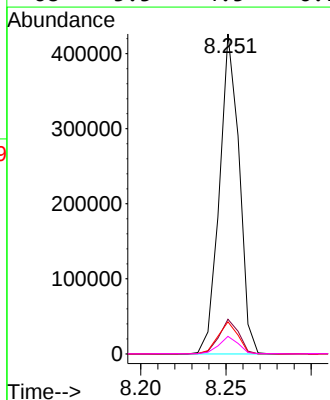
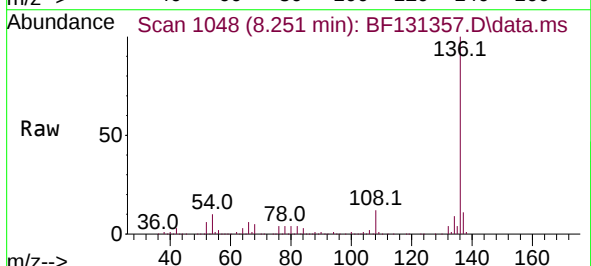
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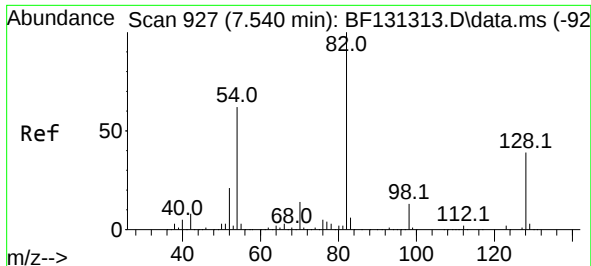
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

Tgt Ion:136 Resp: 342874
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.0 9.4 14.0
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 39.231 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

Instrument :

BNA_F

ClientSampleId :

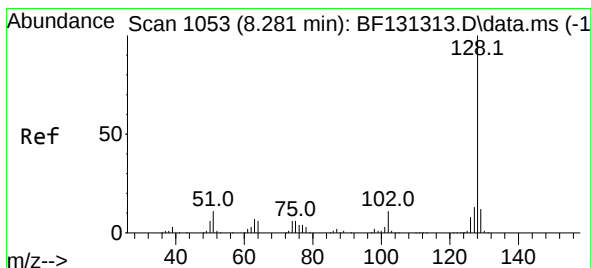
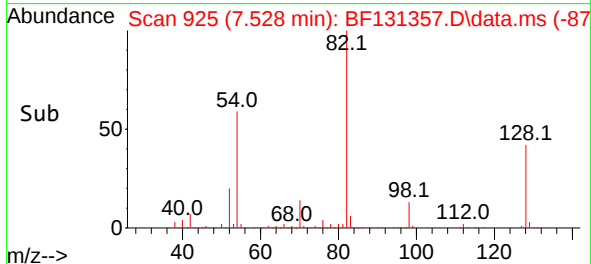
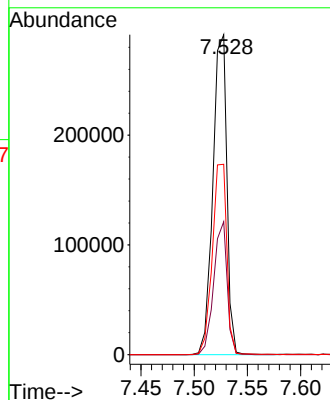
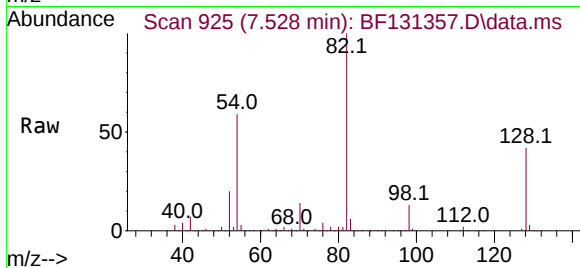
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Tgt Ion: 82 Resp: 266842
Ion Ratio Lower Upper
82 100
128 41.5 31.4 47.0
54 59.5 49.8 74.6

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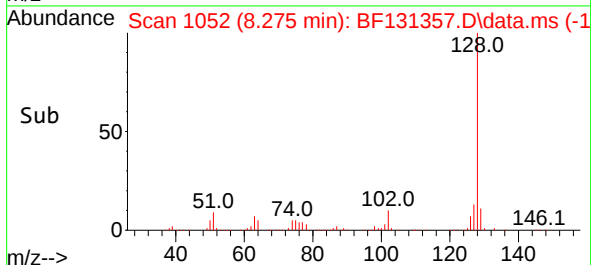
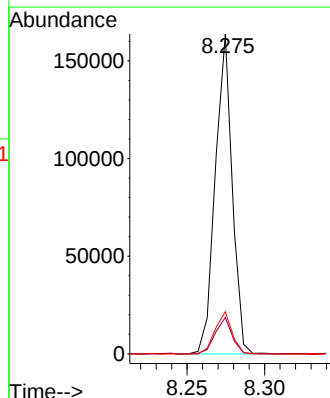
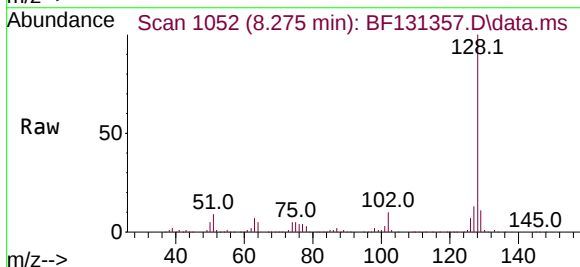
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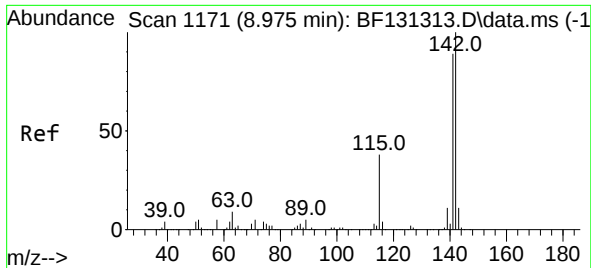
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#31
Naphthalene
Concen: 6.861 ng
RT: 8.275 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

Tgt Ion:128 Resp: 125364
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 4.485 ng

RT: 8.969 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF131357.D

Acq: 23 Nov 2022 11:52

Instrument :

BNA_F

ClientSampleId :

OR-3-111822DL

Tgt Ion:142 Resp: 5552

Ion Ratio Lower Upper

142 100

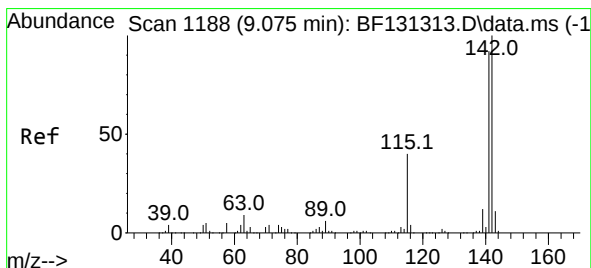
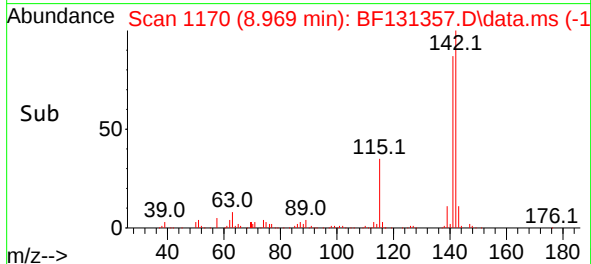
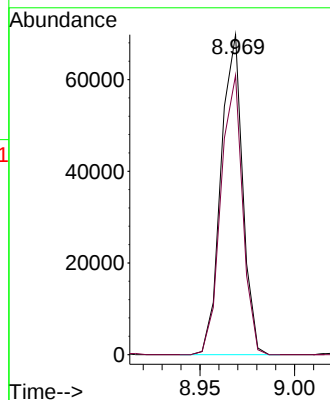
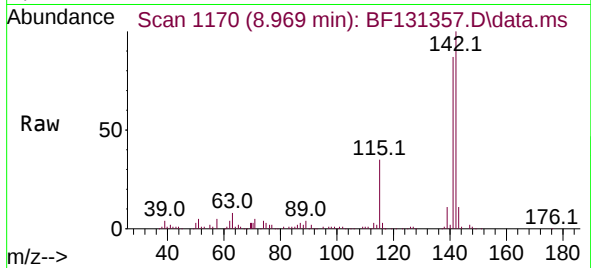
141 87.3 71.0 106.4

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 4.055 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BF131357.D

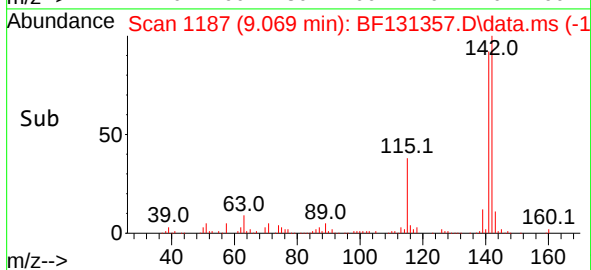
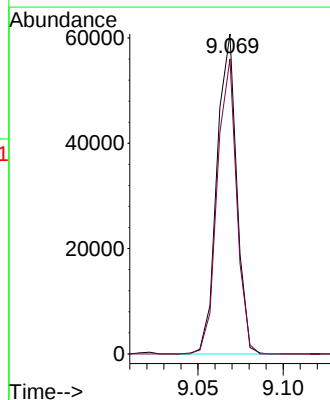
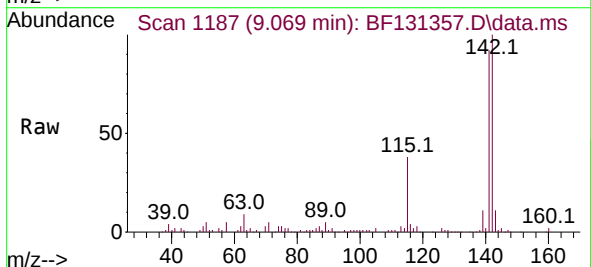
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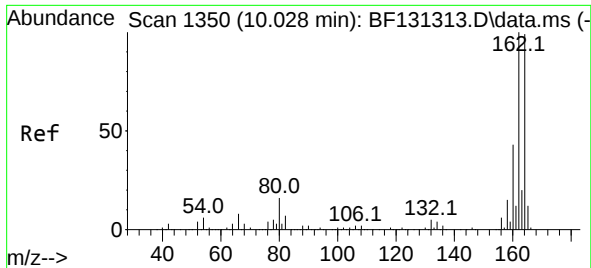
Tgt Ion:142 Resp: 48677

Ion Ratio Lower Upper

142 100

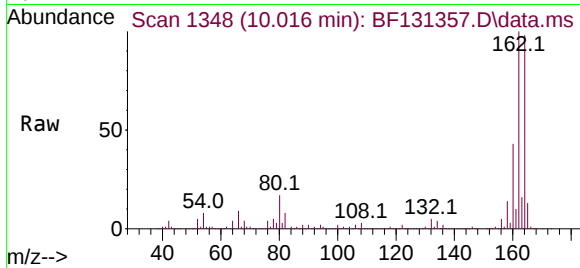
141 92.2 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

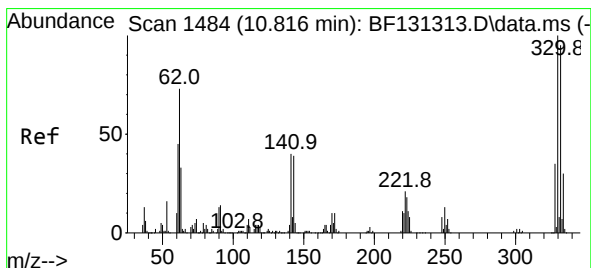
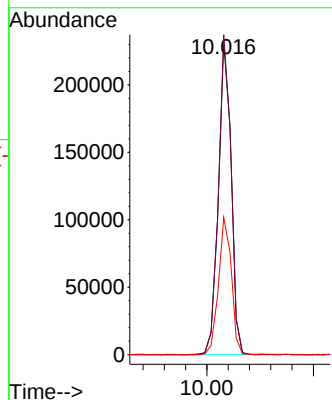
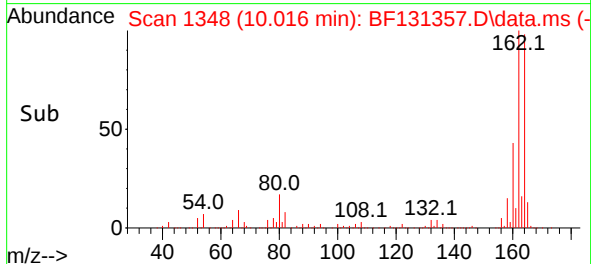
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



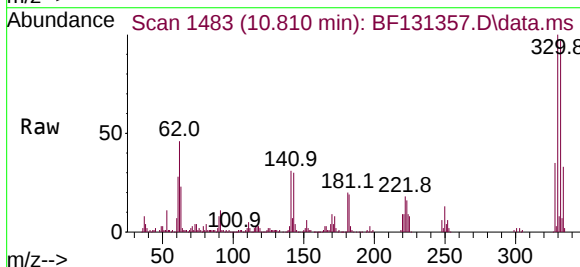
Tgt Ion:164 Resp: 193103
Ion Ratio Lower Upper
164 100
162 102.4 80.6 120.8
160 43.9 34.4 51.6

Manual Integrations
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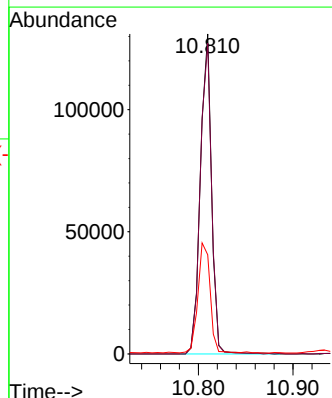
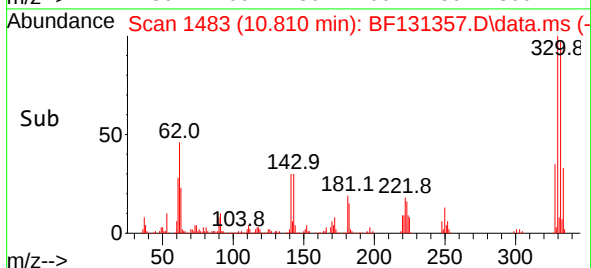
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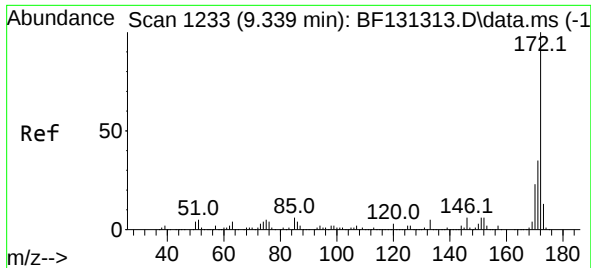


#42
2,4,6-Tribromophenol
Concen: 65.632 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52



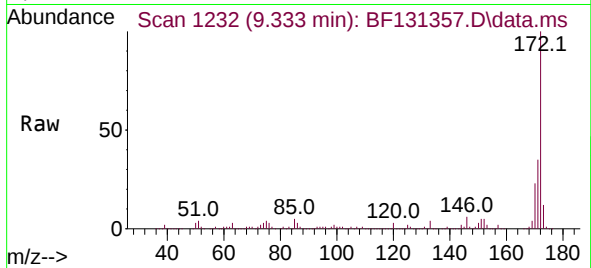
Tgt Ion:330 Resp: 106625
Ion Ratio Lower Upper
330 100
332 98.9 77.5 116.3
141 37.7 29.3 43.9





#45
2-Fluorobiphenyl
Concen: 38.674 ng
RT: 9.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

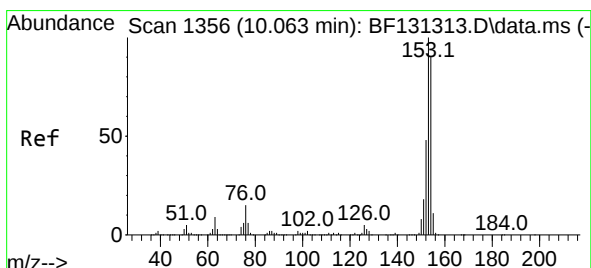
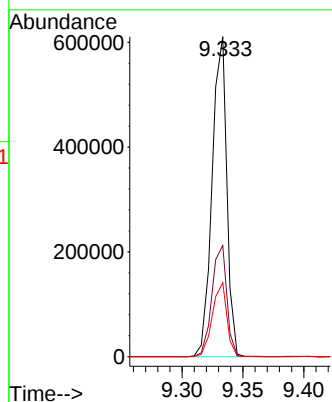
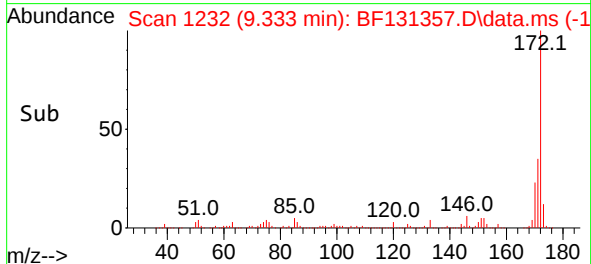
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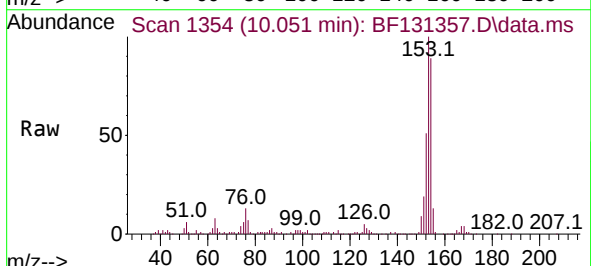
Tgt Ion:172 Resp: 513335
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.1 18.7 28.1

Manual Integrations
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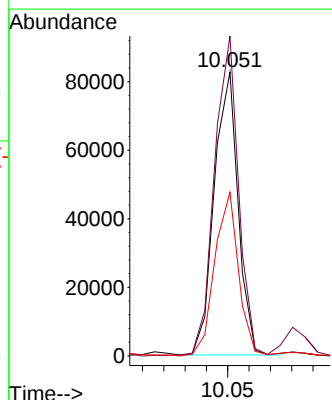
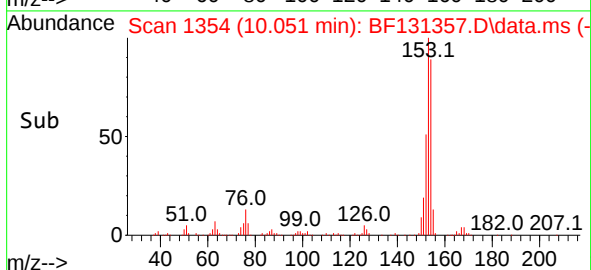
Reviewed By :Christian Giraldo 11/25/2022
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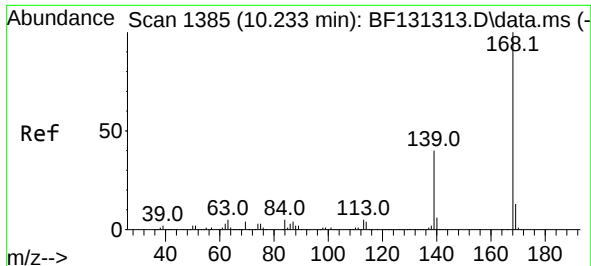


#52
Acenaphthene
Concen: 5.692 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52



Tgt Ion:154 Resp: 64230
Ion Ratio Lower Upper
154 100
153 112.8 88.4 132.6
152 57.7 42.8 64.2





#55

Dibenzenofuran

Concen: 5.188 ng

RT: 10.222 min Scan# 1383

Delta R.T. -0.012 min

Lab File: BF131357.D

Acq: 23 Nov 2022 11:52

Instrument :

BNA_F

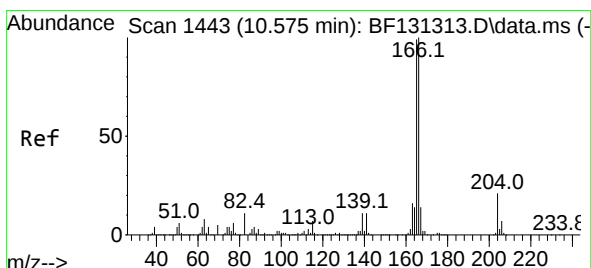
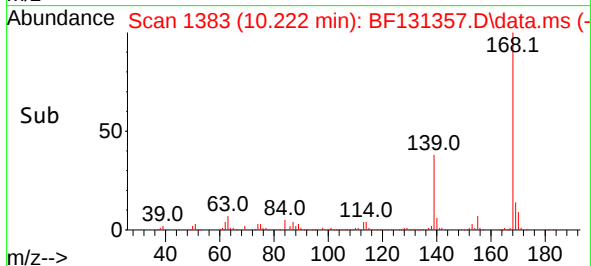
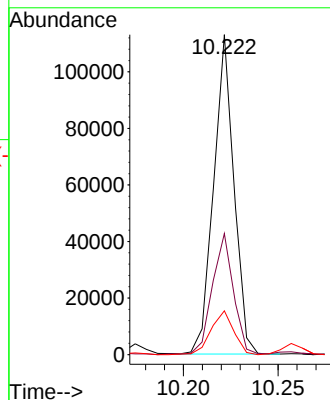
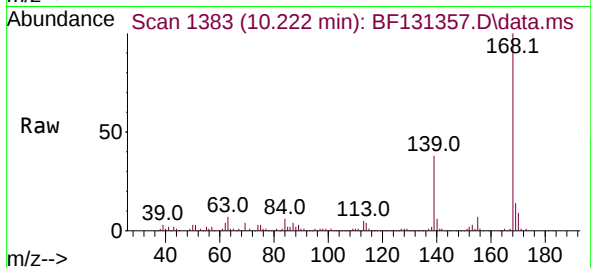
ClientSampleId :

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Tgt Ion:168 Resp: 84222
 Ion Ratio Lower Upper
 168 100
 139 37.8 31.7 47.5
 169 13.7 10.6 15.8

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#58

Fluorene

Concen: 9.772 ng

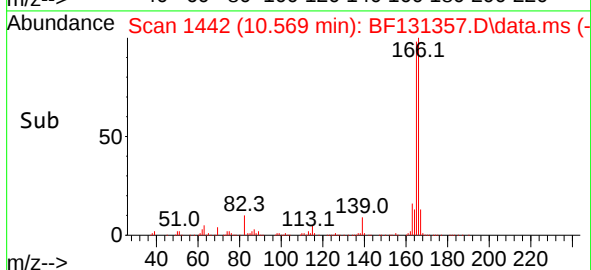
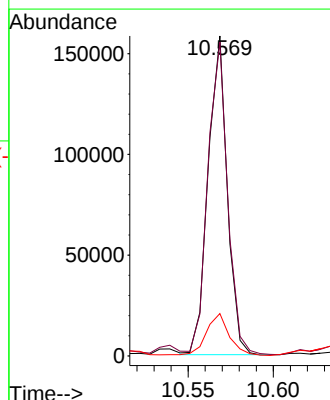
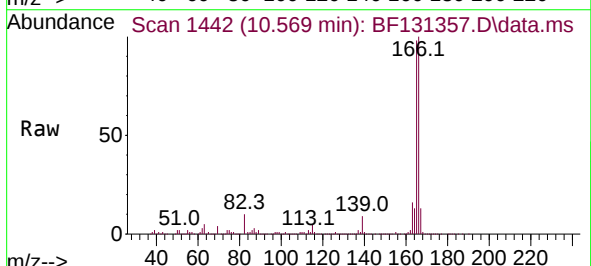
RT: 10.569 min Scan# 1442

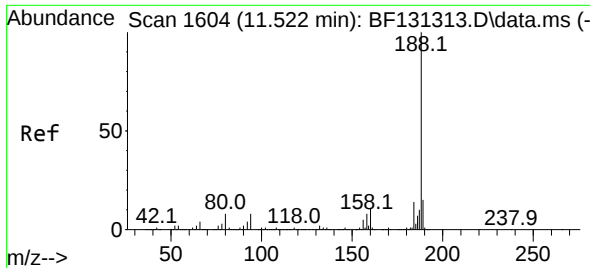
Delta R.T. -0.006 min

Lab File: BF131357.D

Acq: 23 Nov 2022 11:52

Tgt Ion:166 Resp: 123803
 Ion Ratio Lower Upper
 166 100
 165 98.1 79.0 118.4
 167 13.2 10.9 16.3





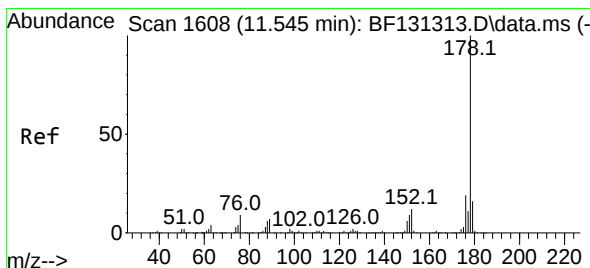
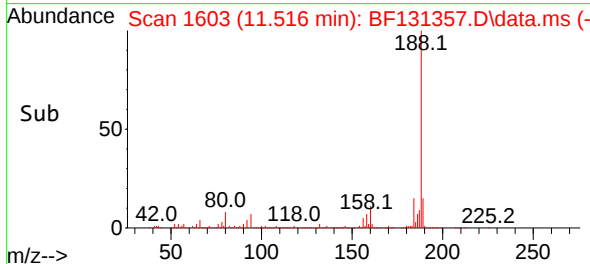
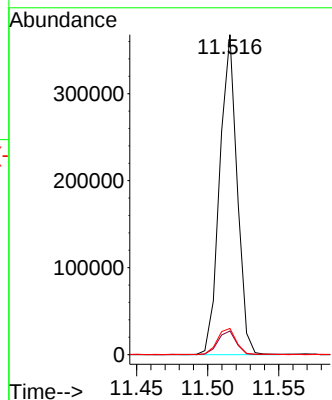
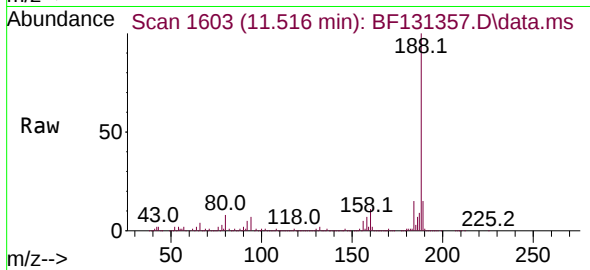
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL

Tgt Ion:188 Resp: 314591
Ion Ratio Lower Upper
188 100
94 7.4 6.3 9.5
80 8.2 6.8 10.2

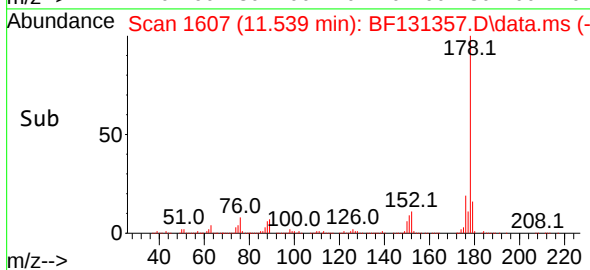
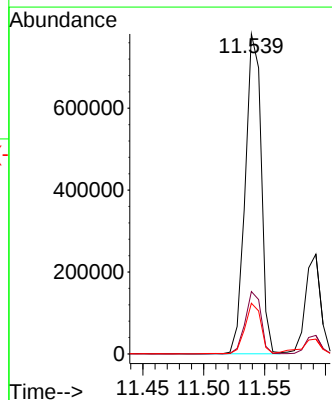
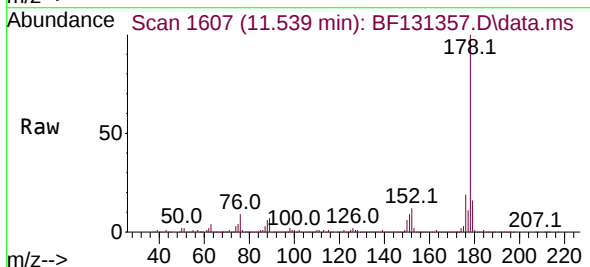
Manual Integrations
APPROVED

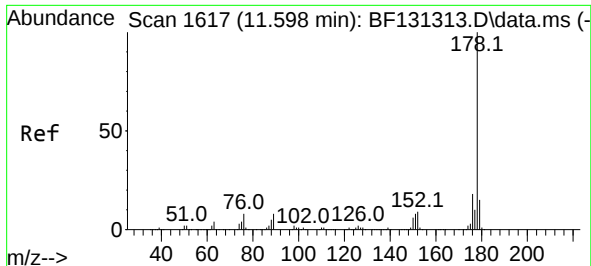
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#71
Phenanthrene
Concen: 41.866 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

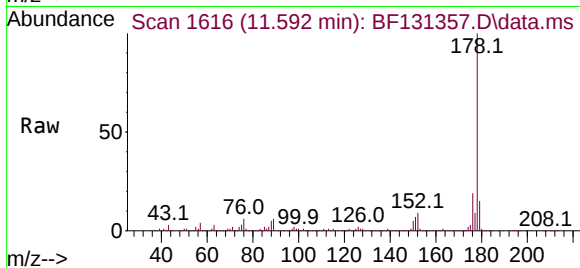
Tgt Ion:178 Resp: 711787
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.8 12.4 18.6





#72
 Anthracene
 Concen: 12.168 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF131357.D
 Acq: 23 Nov 2022 11:52

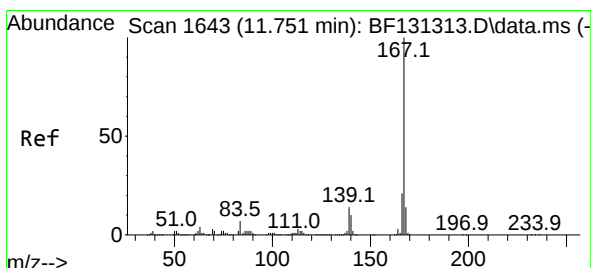
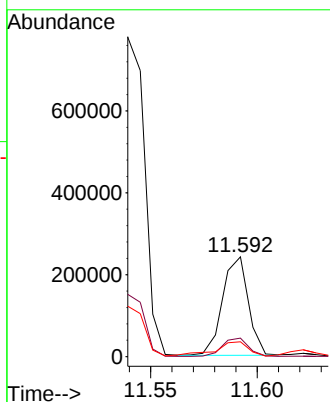
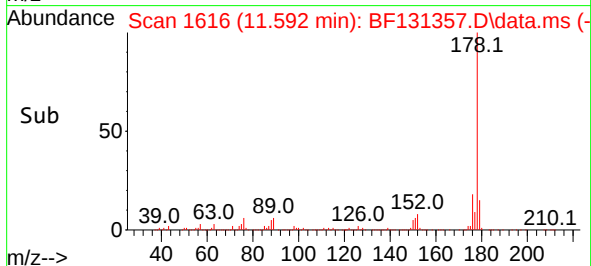
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-111822DL



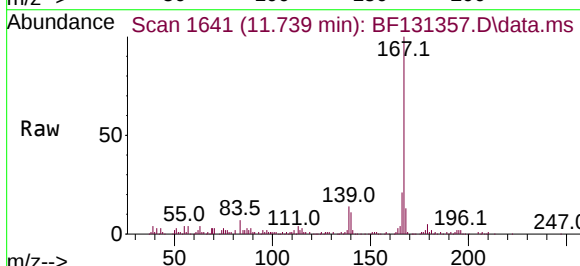
Tgt Ion:178 Resp: 203310
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.7 22.1
 179 14.9 12.2 18.4

Manual Integrations
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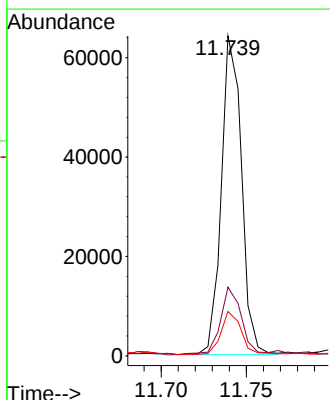
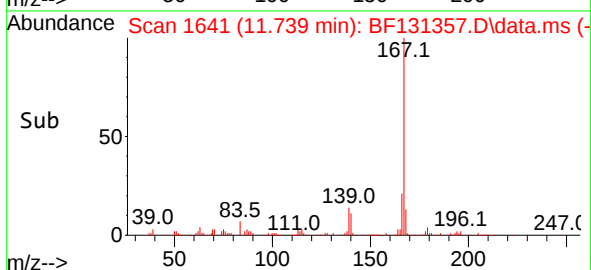
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

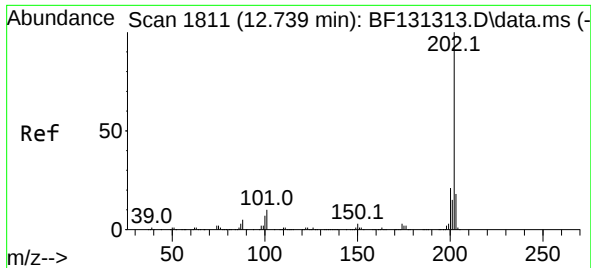


#73
 Carbazole
 Concen: 3.703 ng
 RT: 11.739 min Scan# 1641
 Delta R.T. -0.012 min
 Lab File: BF131357.D
 Acq: 23 Nov 2022 11:52



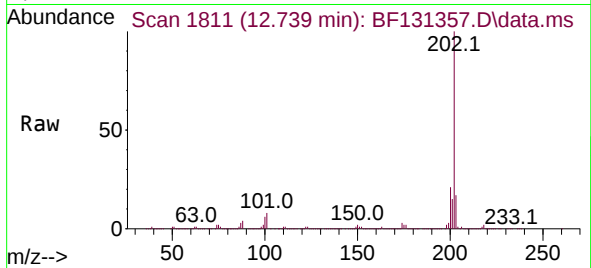
Tgt Ion:167 Resp: 52782
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.9 10.8 16.2





#75
Fluoranthene
Concen: 35.380 ng
RT: 12.739 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

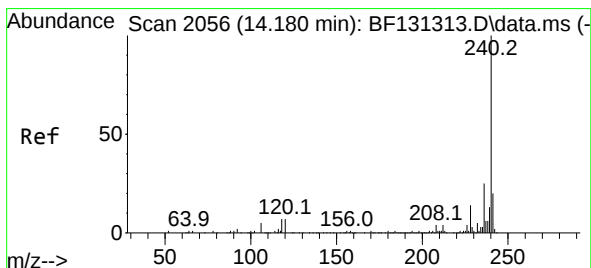
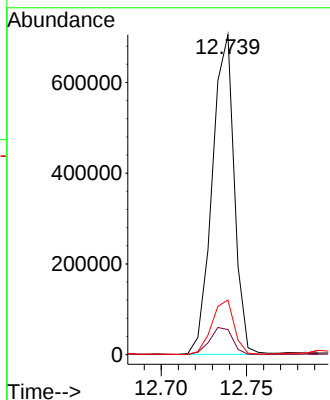
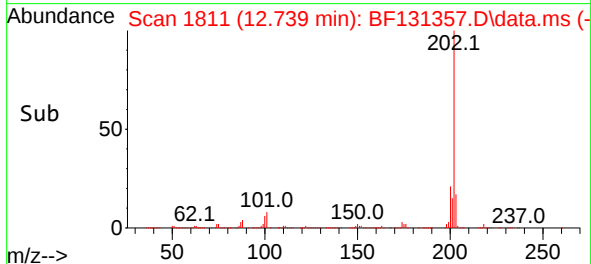
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



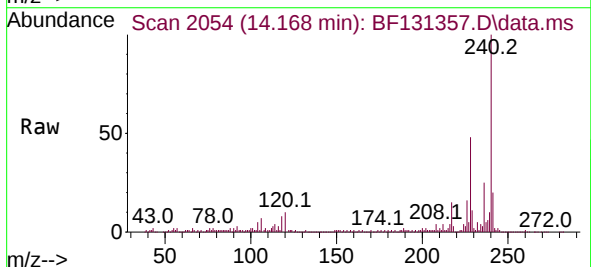
Tgt Ion:202 Resp: 633846
Ion Ratio Lower Upper
202 100
101 7.8 0.0 29.6
203 17.1 0.0 37.8

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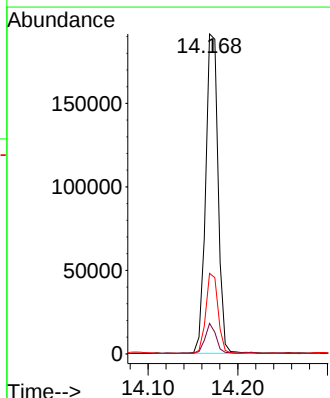
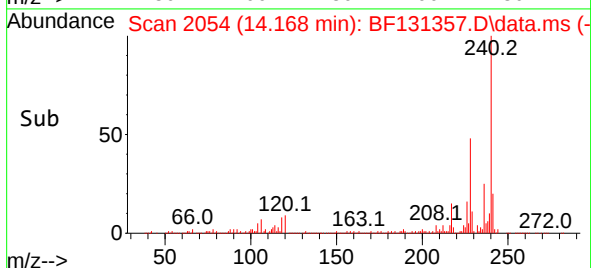
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

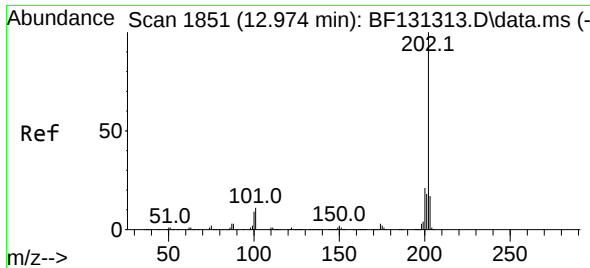


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52



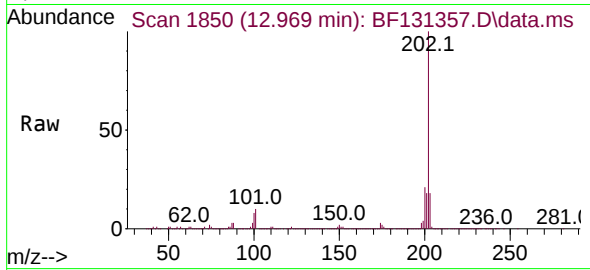
Tgt Ion:240 Resp: 184658
Ion Ratio Lower Upper
240 100
120 9.5 5.8 8.8#
236 25.2 20.3 30.5





#78
Pyrene
Concen: 34.413 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

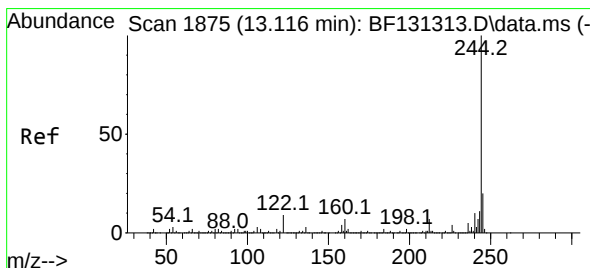
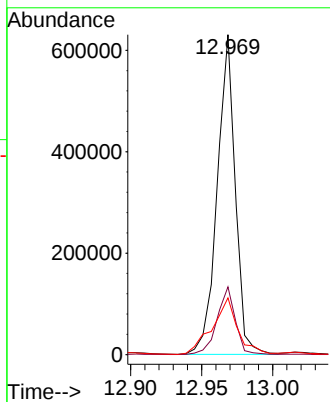
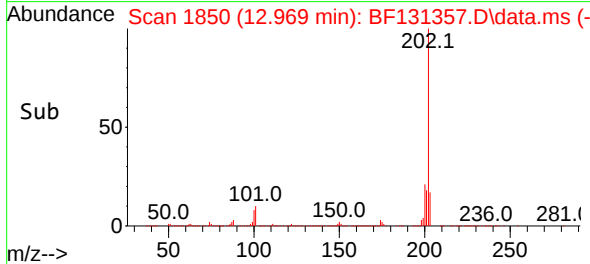
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



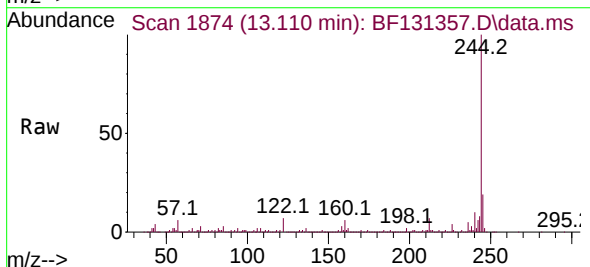
Tgt Ion:202 Resp: 560655
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.7 13.9 20.9

Manual Integrations
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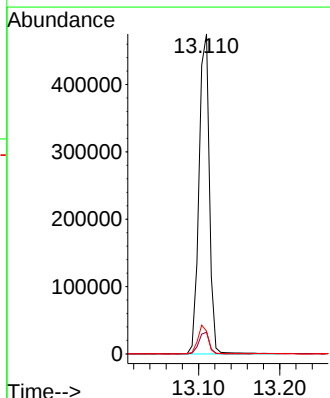
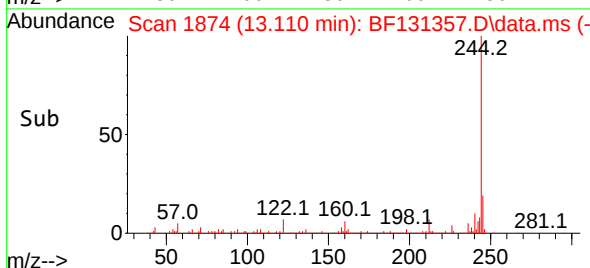
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

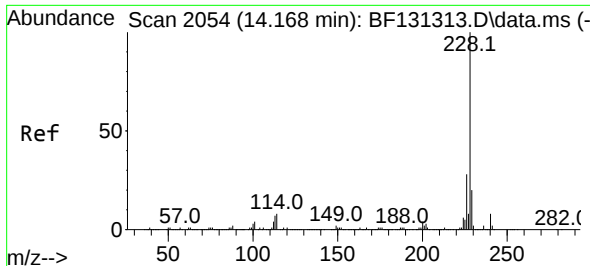


#79
Terphenyl-d14
Concen: 37.154 ng
RT: 13.110 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52



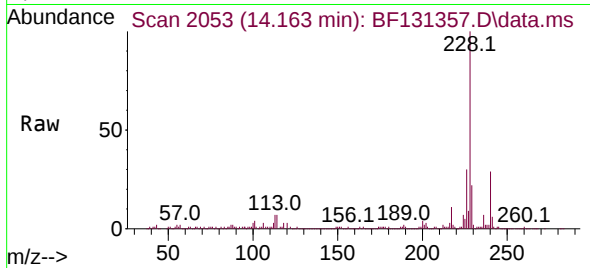
Tgt Ion:244 Resp: 419552
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 7.1 7.5 11.3#





#81
Benzo(a)anthracene
Concen: 18.038 ng
RT: 14.163 min Scan# 2054
Delta R.T. -0.005 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

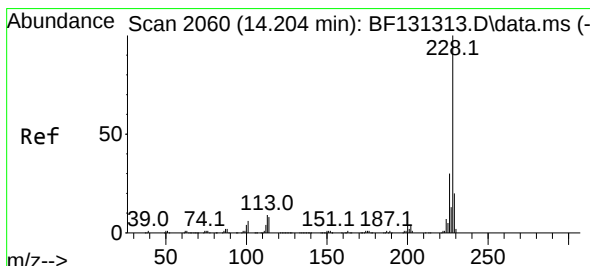
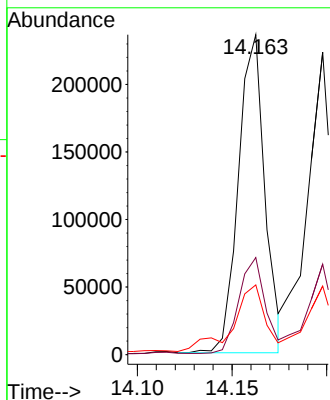
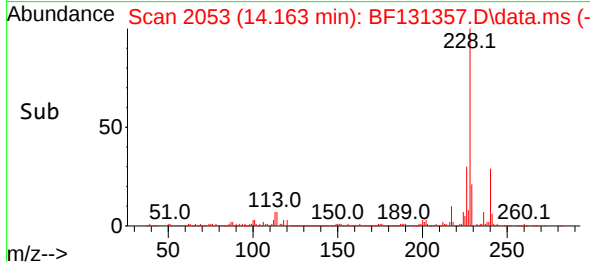
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



Tgt Ion:228 Resp: 228316
Ion Ratio Lower Upper
228 100
226 30.3 22.0 33.0
229 21.8 15.7 23.5

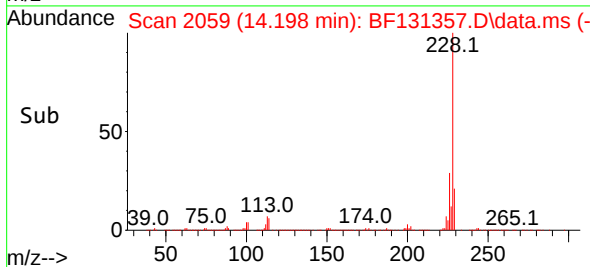
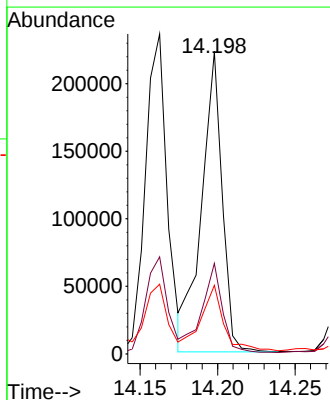
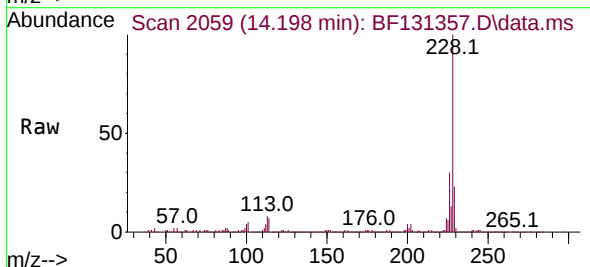
Manual Integrations
APPROVED

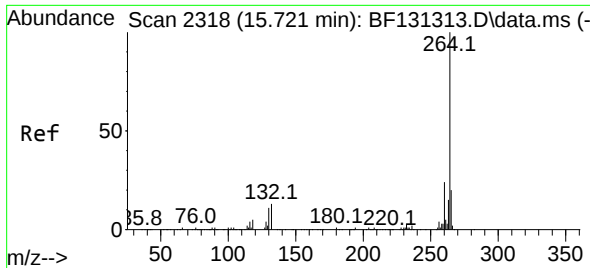
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#83
Chrysene
Concen: 16.626 ng
RT: 14.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

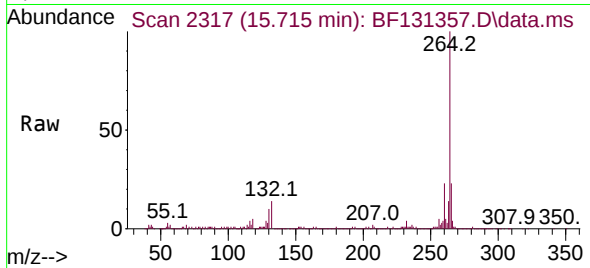
Tgt Ion:228 Resp: 206460
Ion Ratio Lower Upper
228 100
226 29.9 23.7 35.5
229 22.7 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2318
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

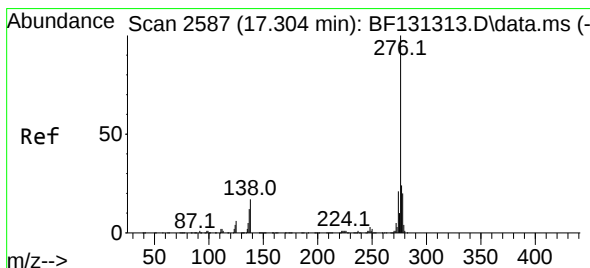
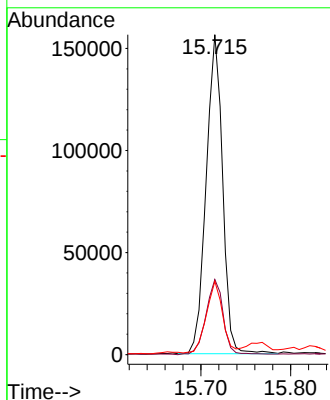
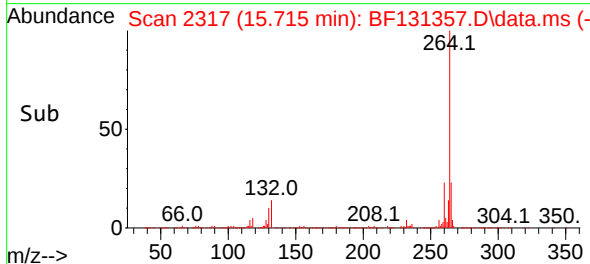
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



Tgt Ion:264 Resp: 198496
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 22.9 16.4 24.6

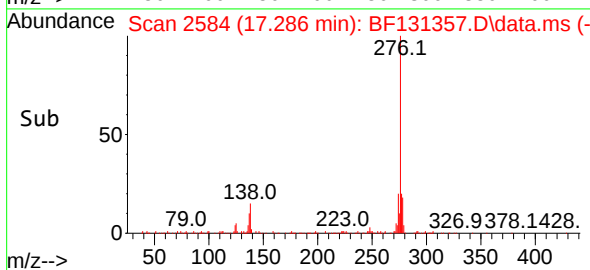
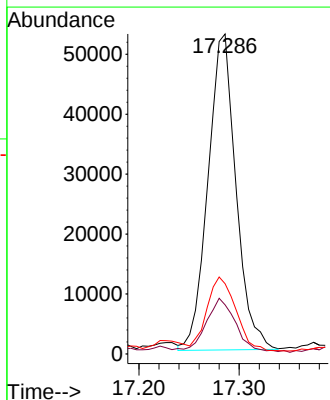
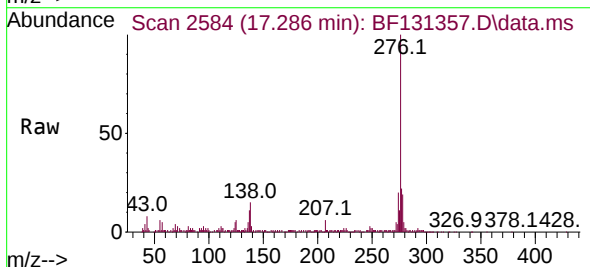
Manual Integrations
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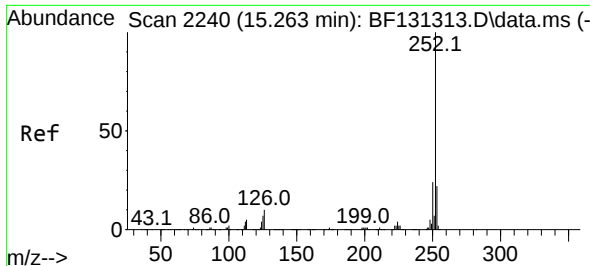
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.678 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.018 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

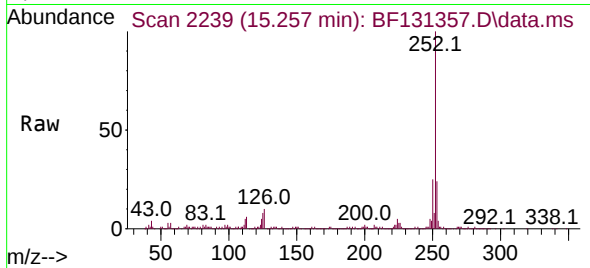
Tgt Ion:276 Resp: 102357
Ion Ratio Lower Upper
276 100
138 18.0 15.8 23.6
277 24.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 18.946 ng m
RT: 15.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

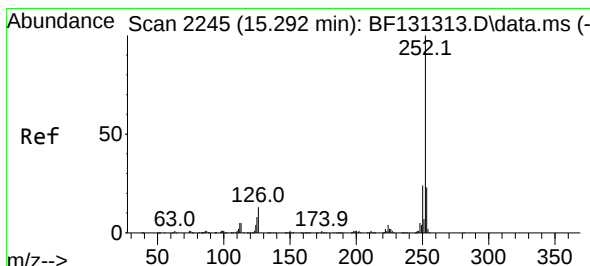
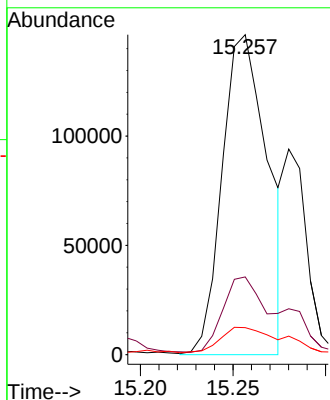
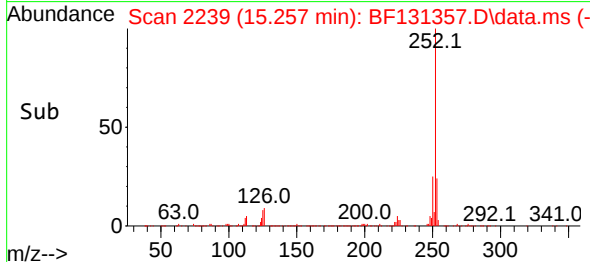
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



Tgt Ion:252 Resp: 249836
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 8.4 5.8 8.6

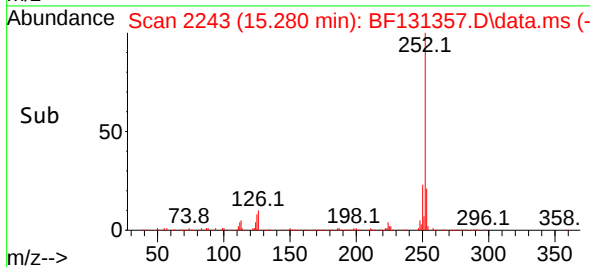
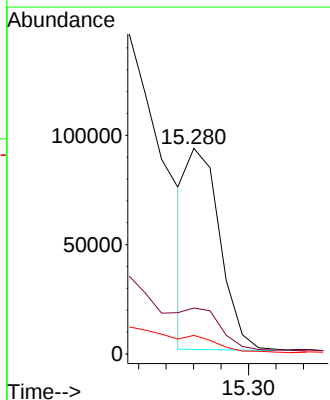
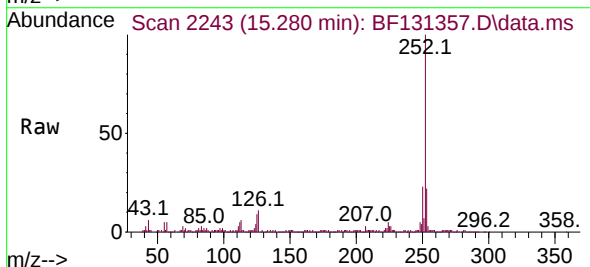
Manual Integrations
APPROVED

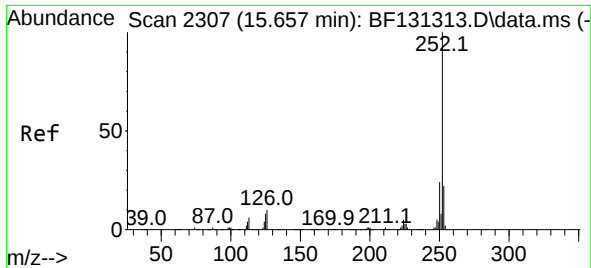
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#89
Benzo(k)fluoranthene
Concen: 5.616 ng m
RT: 15.280 min Scan# 2243
Delta R.T. -0.012 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

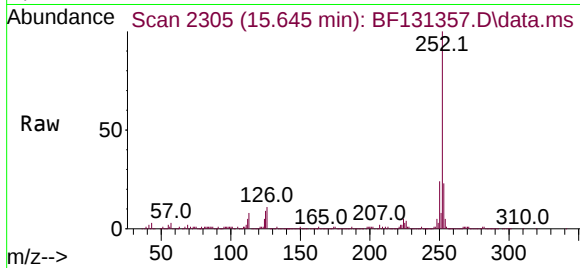
Tgt Ion:252 Resp: 76106
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 9.0 6.6 10.0





#90
Benzo(a)pyrene
Concen: 18.558 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.012 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52

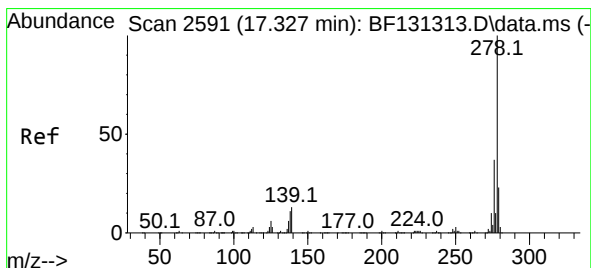
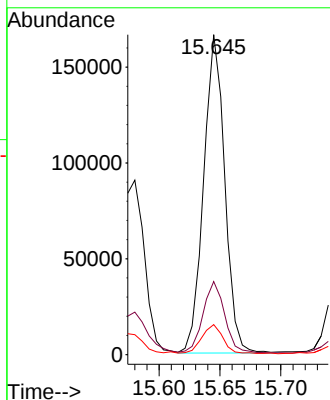
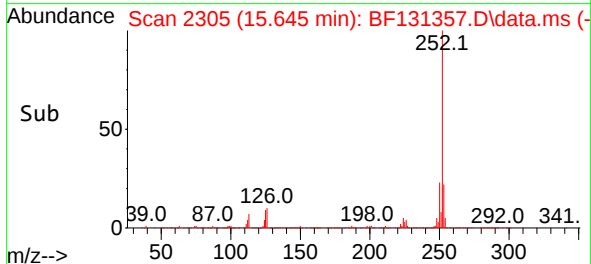
Instrument :
BNA_F
ClientSampleId :
OR-3-111822DL



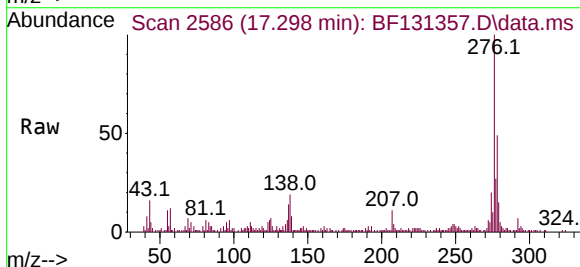
Tgt Ion:252 Resp: 200795
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.4 6.1 9.1

Manual Integrations
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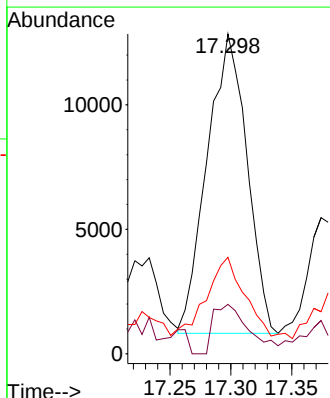
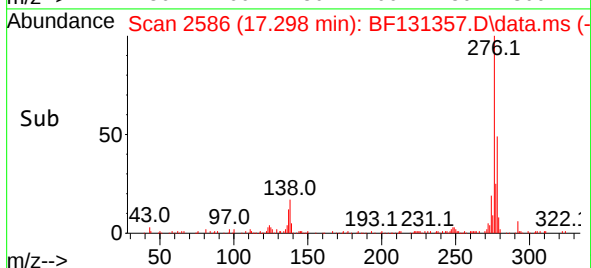
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

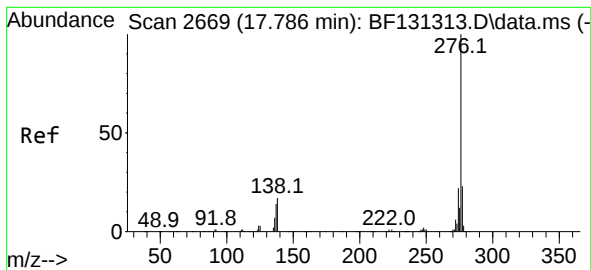


#91
Dibenzo(a,h)anthracene
Concen: 2.481 ng
RT: 17.298 min Scan# 2586
Delta R.T. -0.029 min
Lab File: BF131357.D
Acq: 23 Nov 2022 11:52



Tgt Ion:278 Resp: 27304
Ion Ratio Lower Upper
278 100
139 15.5 10.4 15.6
279 30.2 18.3 27.5





#92

Benzo(g,h,i)perylene

Concen: 9.048 ng

RT: 17.756 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF131357.D

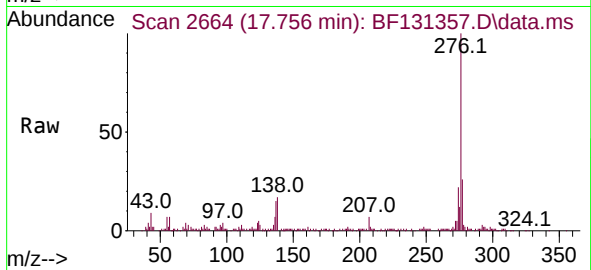
Acq: 23 Nov 2022 11:52

Instrument :

BNA_F

ClientSampleId :

OR-3-111822DL



Tgt Ion:276 Resp: 99402

Ion Ratio Lower Upper

276 100

277 25.8 18.3 27.5

138 17.2 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/25/2022

Supervised By :Jagrut Upadhyay 11/25/2022

