

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
 Data File : BF133676.D
 Acq On : 09 Jun 2023 15:15
 Operator : CG\JU
 Sample : 03051-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251580

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 16:24:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 09 15:37:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	85208	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	326617	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	158316	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	287314	20.000	ng	0.00
76) Chrysene-d12	14.010	240	151446	20.000	ng	0.00
86) Perylene-d12	15.474	264	152970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	562015	114.826	ng	0.00
7) Phenol-d6	6.463	99	694481	109.007	ng	0.00
23) Nitrobenzene-d5	7.398	82	472565	78.805	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	206234	102.911	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	839308	75.361	ng	0.00
79) Terphenyl-d14	12.957	244	769460	78.617	ng	0.00
Target Compounds						Qvalue
63) Azobenzene	10.586	77	28548	2.507	ng	# 1
70) Pentachlorophenol	11.163	266	9170	4.541	ng	97
71) Phenanthrene	11.386	178	171484	11.764	ng	99
75) Fluoranthene	12.580	202	340297	21.984	ng	100
78) Pyrene	12.810	202	298030	21.125	ng	99
81) Benzo(a)anthracene	13.998	228	124662m	11.900	ng	
83) Chrysene	14.033	228	132573	13.380	ng	98
84) Bis(2-ethylhexyl)phtha...	13.986	149	27064	3.691	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	93749	8.908	ng	96
88) Benzo(b)fluoranthene	15.045	252	205953m	22.164	ng	
89) Benzo(k)fluoranthene	15.074	252	72970m	8.061	ng	
90) Benzo(a)pyrene	15.410	252	131047	15.196	ng	99
92) Benzo(g,h,i)perylene	17.374	276	83222	9.634	ng	98

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

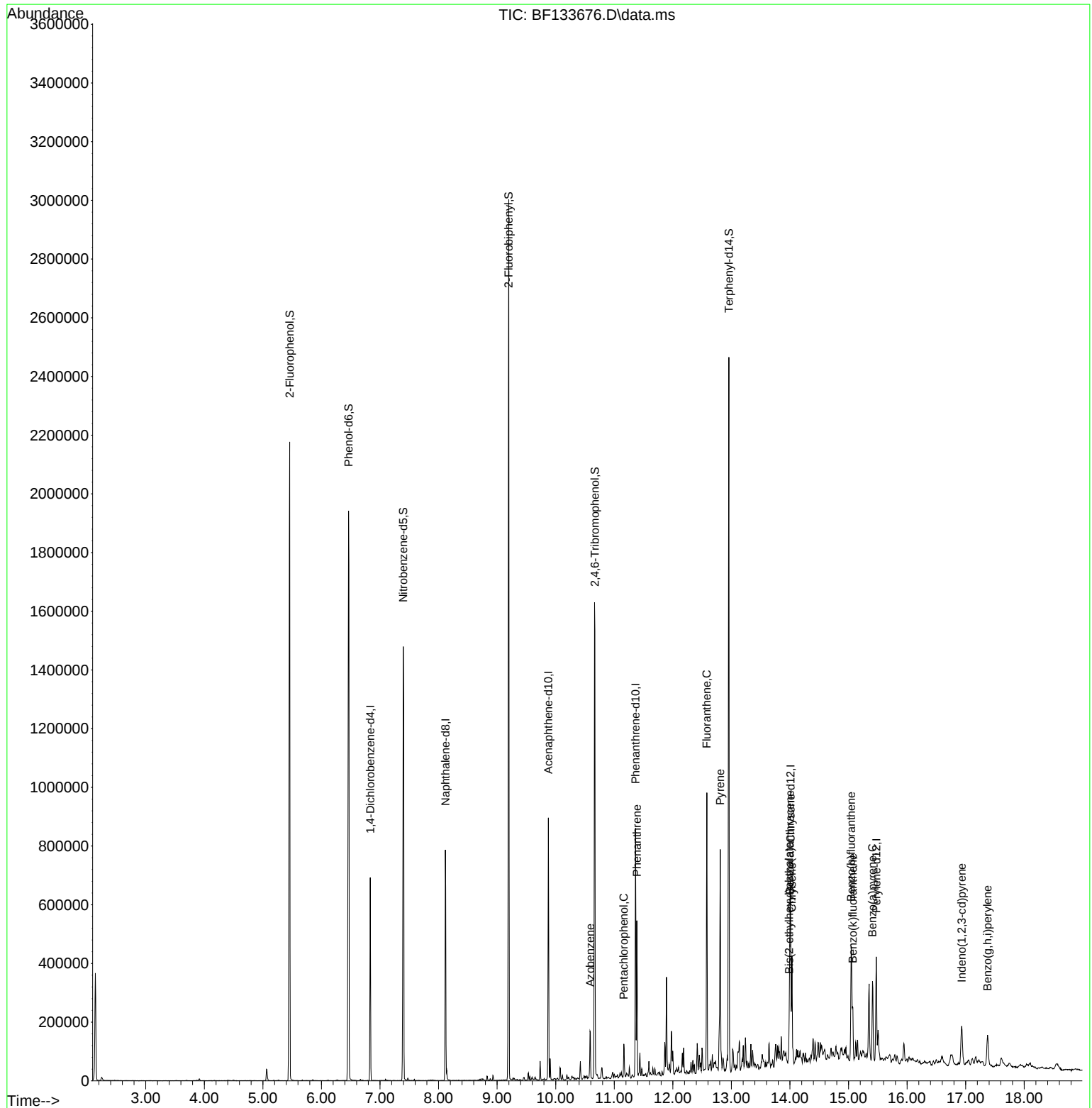
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060923\
Data File : BF133676.D
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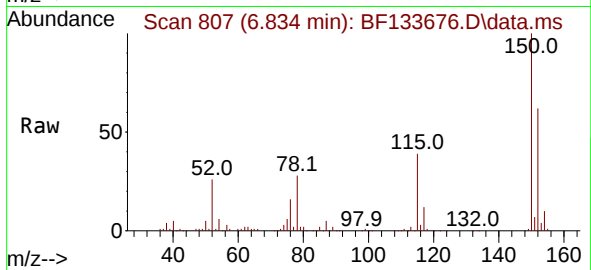
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580

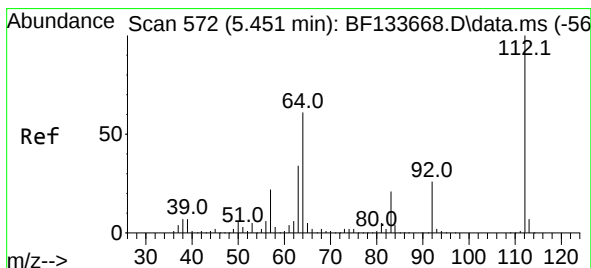
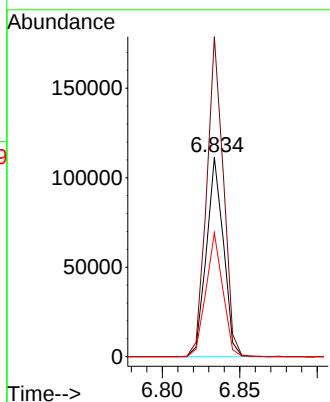
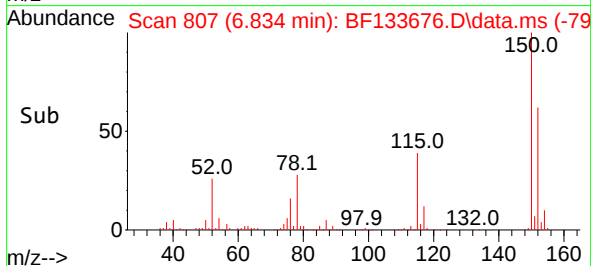


Tgt Ion:152 Resp: 85208
Ion Ratio Lower Upper
152 100
150 160.5 124.3 186.5
115 62.2 48.5 72.7

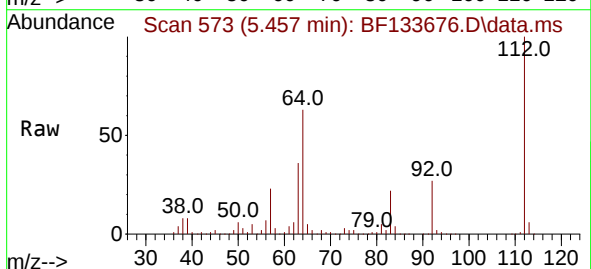
Manual Integrations

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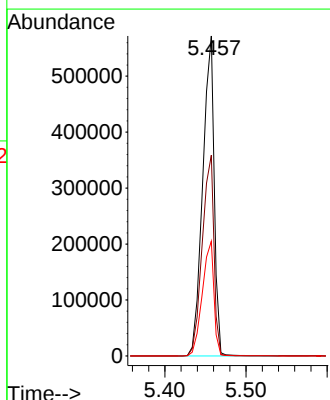
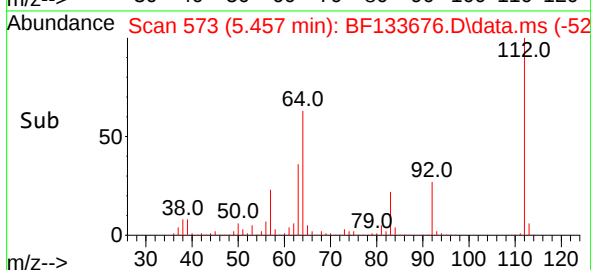
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 114.826 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15



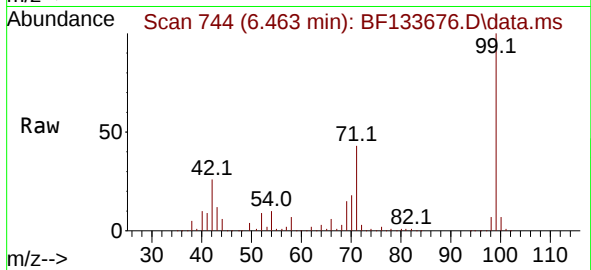
Tgt Ion:112 Resp: 562015
Ion Ratio Lower Upper
112 100
64 62.7 49.0 73.4
63 35.9 26.8 40.2





#7
Phenol-d6
Concen: 109.007 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

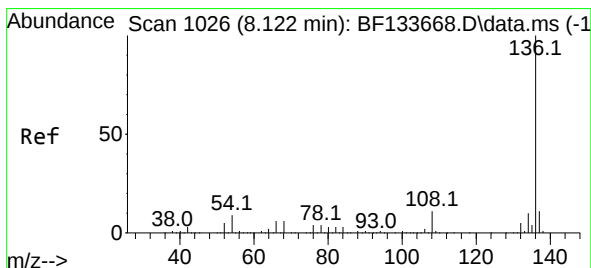
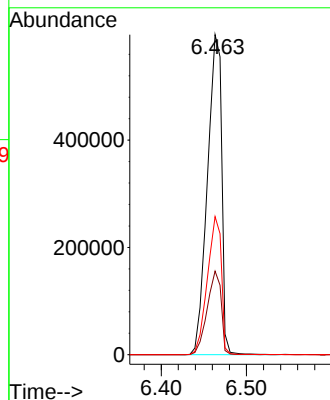
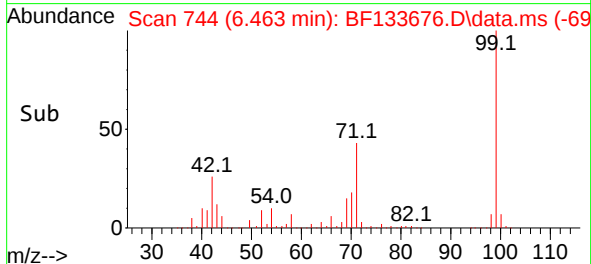
Instrument :
BNA_F
ClientSampleId :
RBR-251580



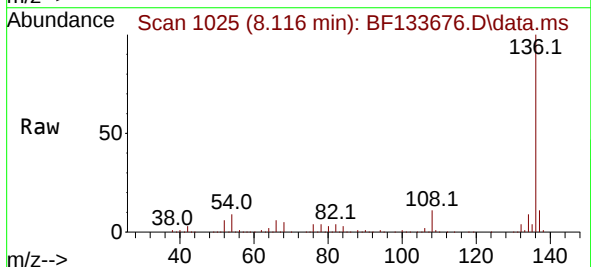
Tgt Ion: 99 Resp: 69448
Ion Ratio Lower Upper
99 100
42 26.1 19.9 29.9
71 43.1 32.2 48.4

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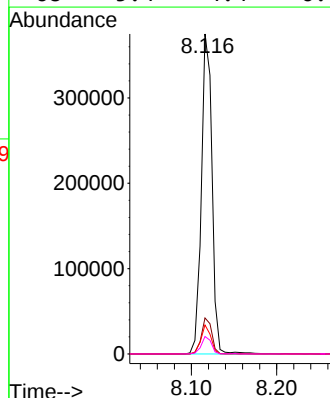
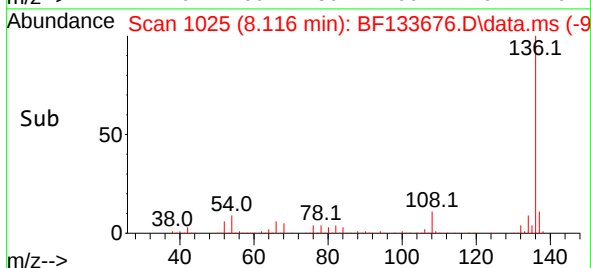
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15



Tgt Ion:136 Resp: 326617
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.0 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 78.805 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133676.D

Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580

Tgt Ion: 82 Resp: 47256

Ion Ratio Lower Upper

82 100

128 40.4 34.2 51.2

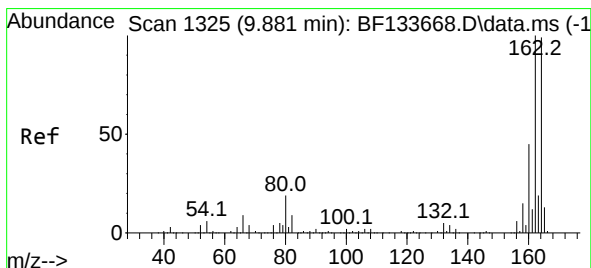
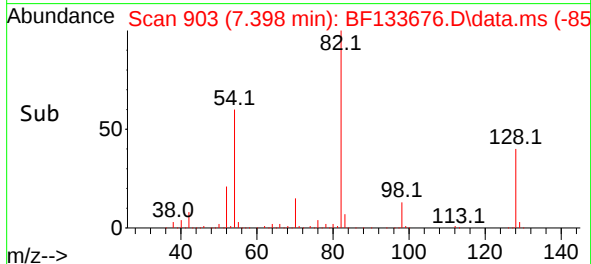
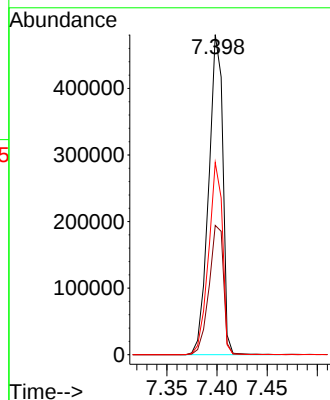
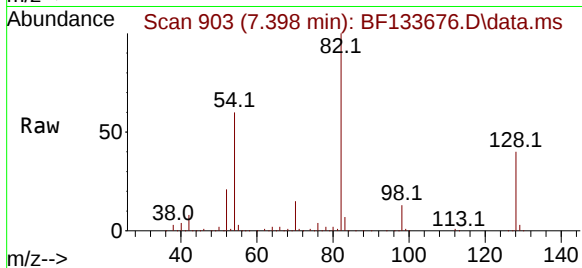
54 60.0 46.5 69.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF133676.D

Acq: 09 Jun 2023 15:15

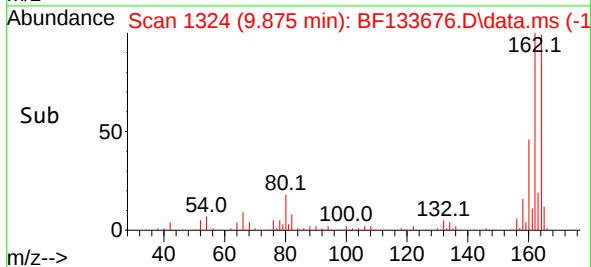
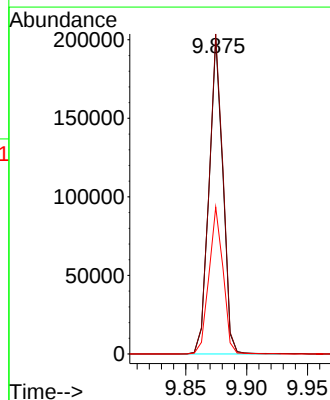
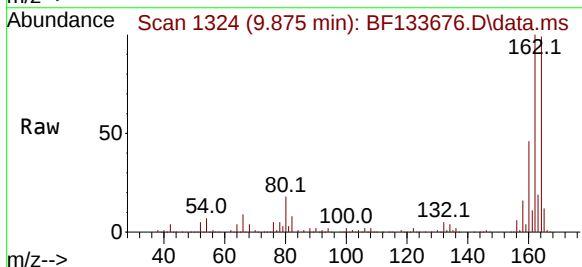
Tgt Ion:164 Resp: 158316

Ion Ratio Lower Upper

164 100

162 101.5 80.8 121.2

160 46.6 36.7 55.1





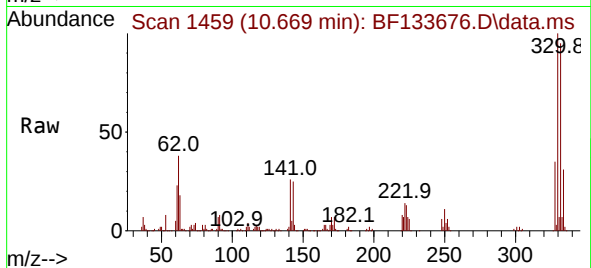
#42
2,4,6-Tribromophenol
Concen: 102.911 ng
RT: 10.669 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580



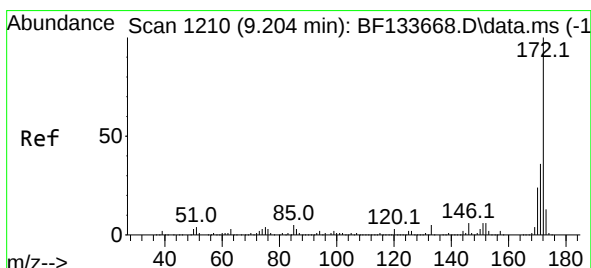
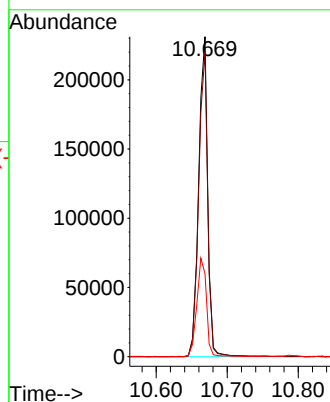
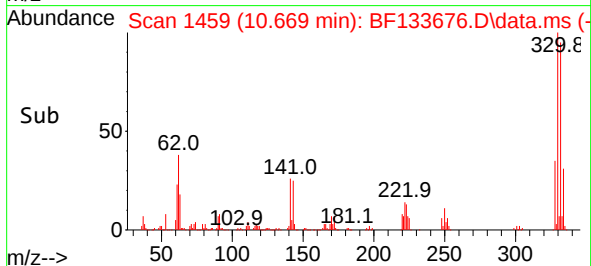
Tgt Ion:330 Resp: 206234
Ion Ratio Lower Upper
330 100
332 94.6 77.2 115.8
141 33.0 24.9 37.3

Manual Integrations

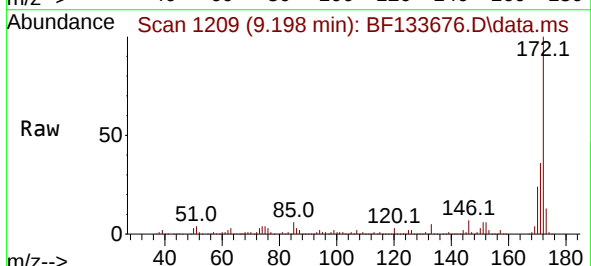
APPROVED

Reviewed By :Yogesh Patel 06/13/2023

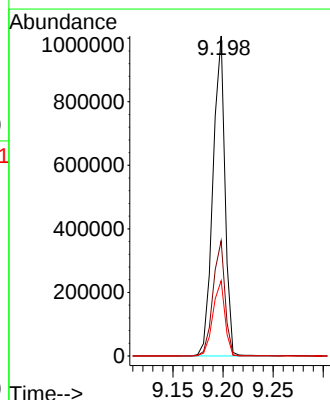
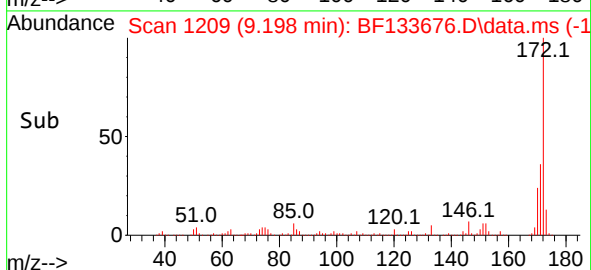
Supervised By :mohammad ahmed 06/13/2023

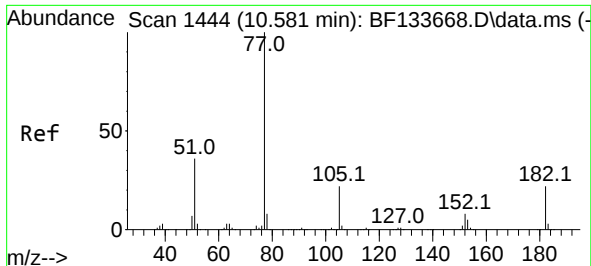


#45
2-Fluorobiphenyl
Concen: 75.361 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15



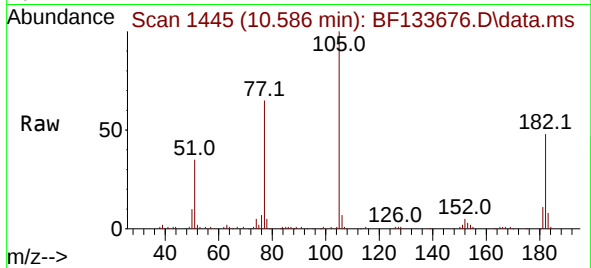
Tgt Ion:172 Resp: 839308
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.5 19.1 28.7





#63
Azobenzene
Concen: 2.507 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.005 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

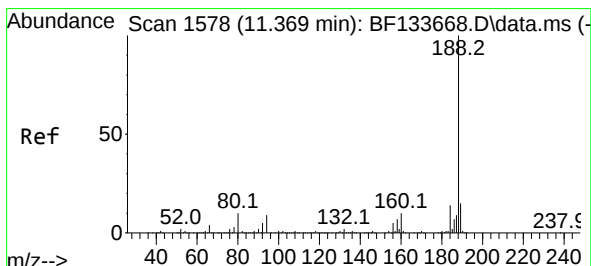
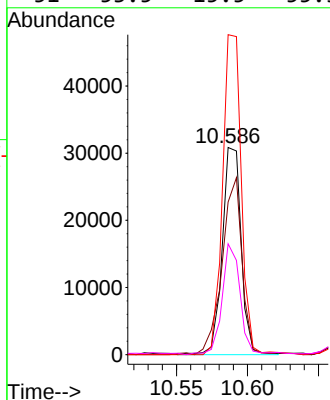
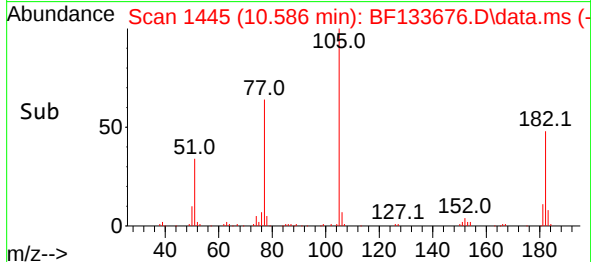
Instrument :
BNA_F
ClientSampleId :
RBR-251580



Tgt Ion: 77 Resp: 28548
Ion Ratio Lower Upper
77 100
182 73.6 1.6 41.6
105 154.4 1.6 41.6
51 53.5 15.5 55.5

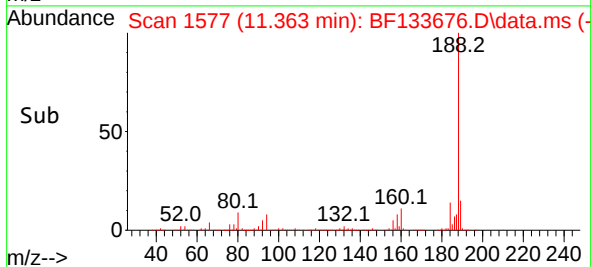
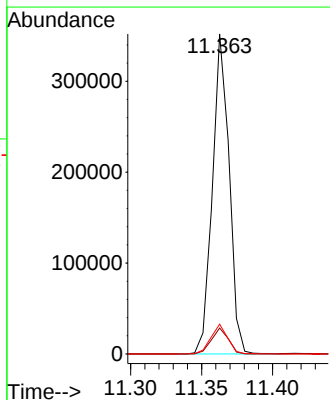
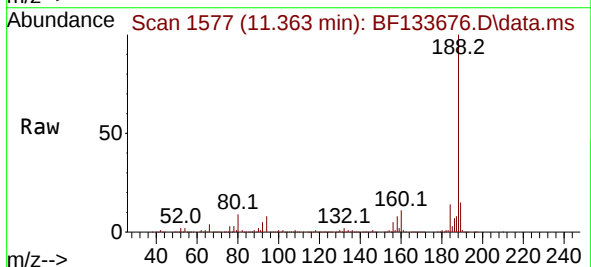
Manual Integrations
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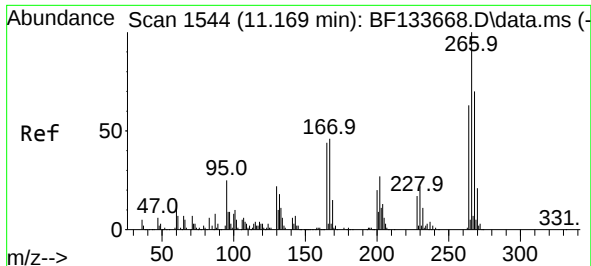
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Tgt Ion:188 Resp: 287314
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.3 7.8 11.6





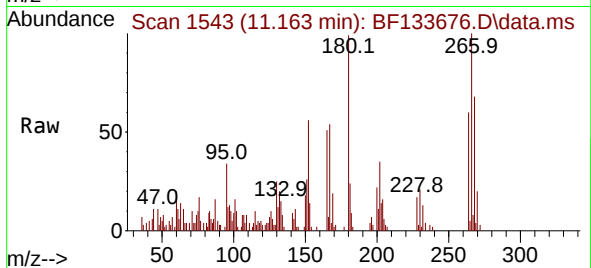
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Pentachlorophenol
Concen: 4.541 ng
RT: 11.163 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580

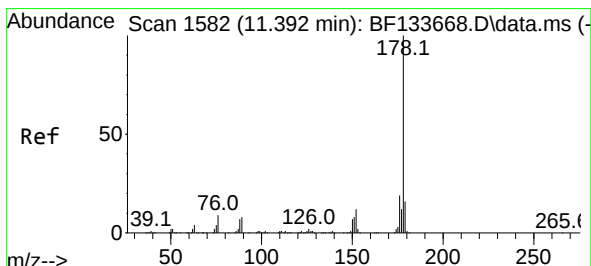
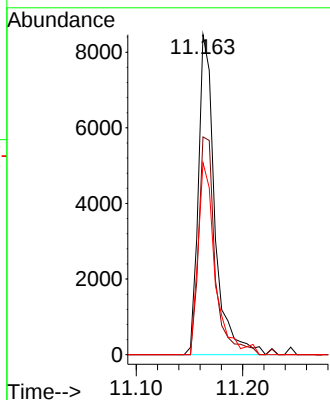
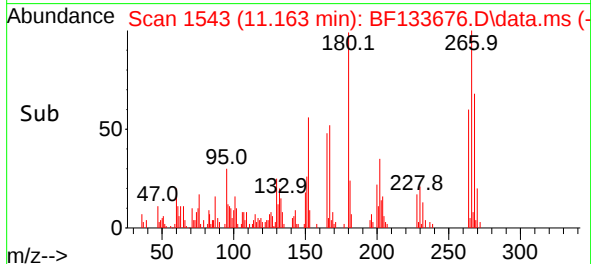


Tgt Ion:266 Resp: 9170
Ion Ratio Lower Upper
266 100
268 68.1 55.7 83.5
264 60.0 50.7 76.1

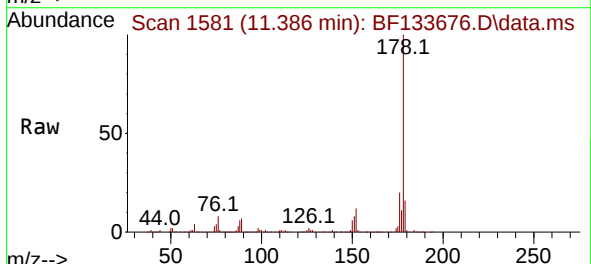
Manual Integrations

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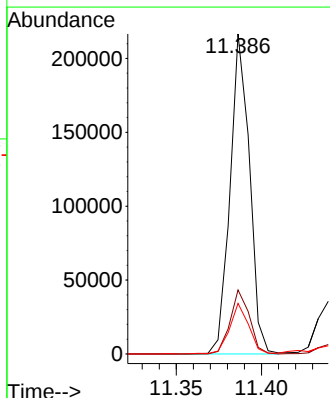
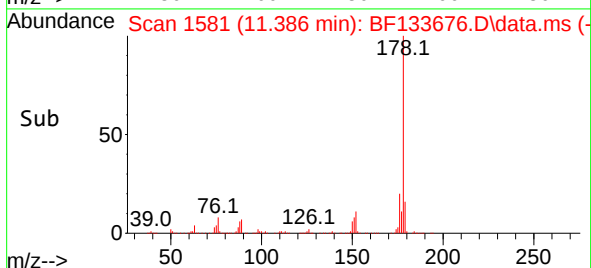
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

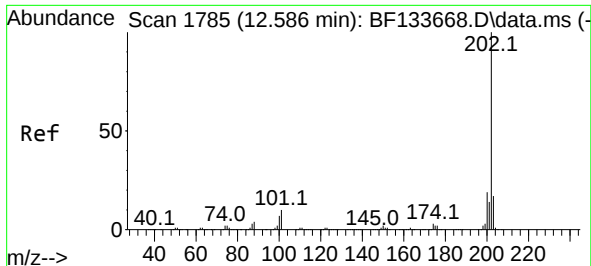


#71
Phenanthrene
Concen: 11.764 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15



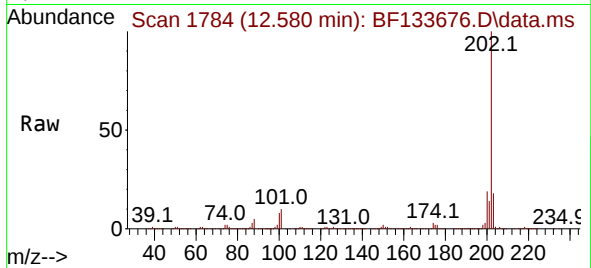
Tgt Ion:178 Resp: 171484
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.8 12.4 18.6





#75
Fluoranthene
Concen: 21.984 ng
RT: 12.580 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

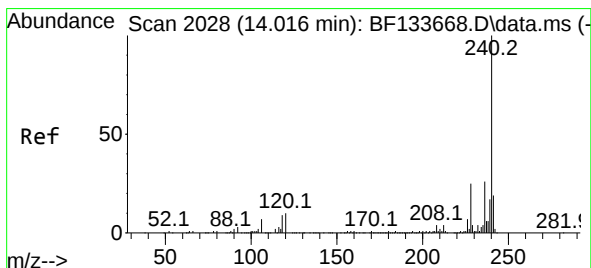
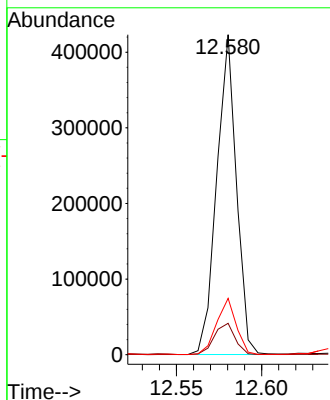
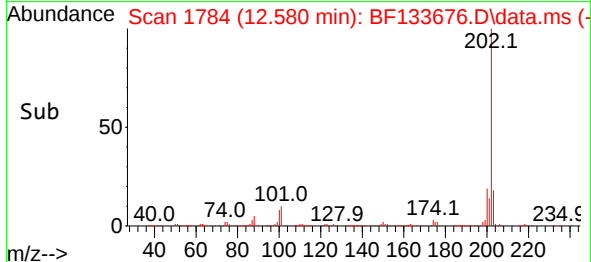
Instrument :
BNA_F
ClientSampleId :
RBR-251580



Tgt Ion:202 Resp: 340297
Ion Ratio Lower Upper
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101 9.8 0.0 29.6
203 17.6 0.0 37.4

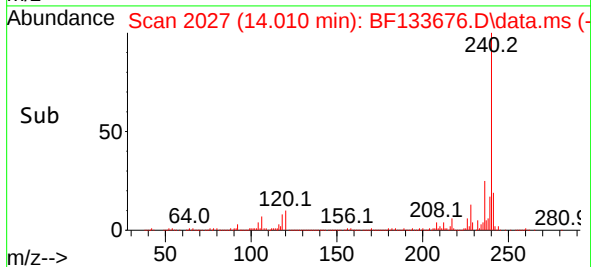
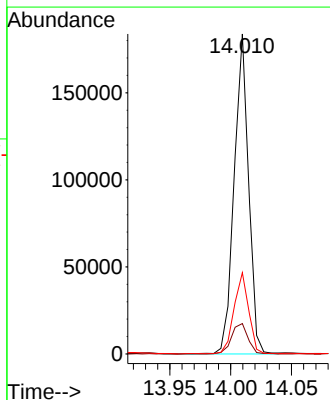
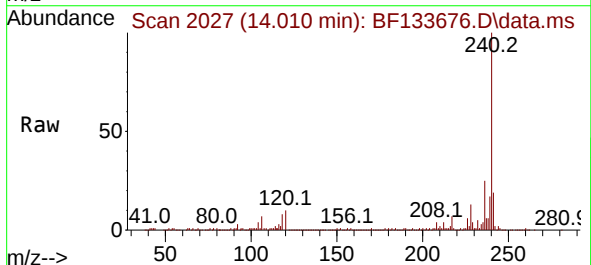
Manual Integrations
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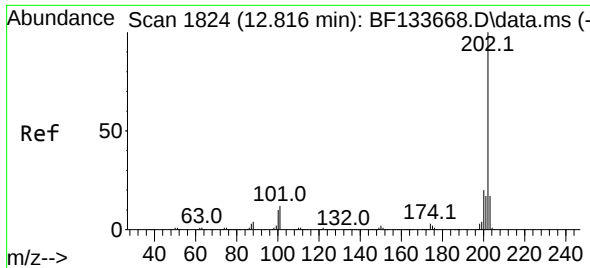
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

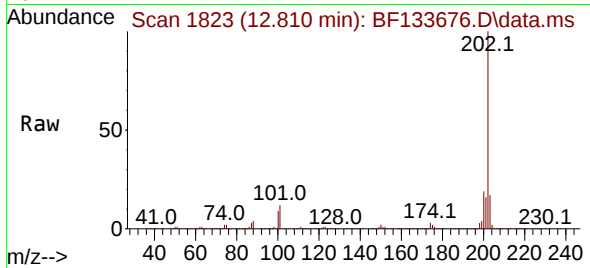
Tgt Ion:240 Resp: 151446
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 25.4 20.5 30.7





#78
Pyrene
Concen: 21.125 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

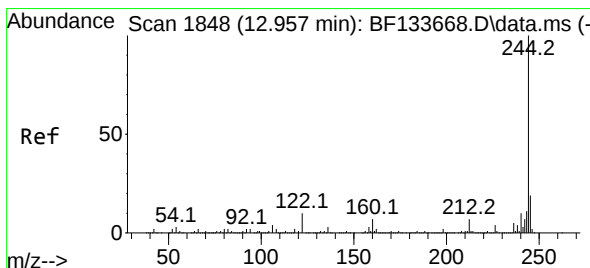
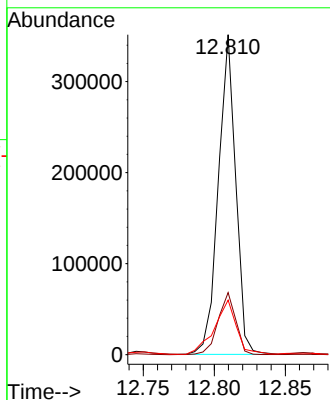
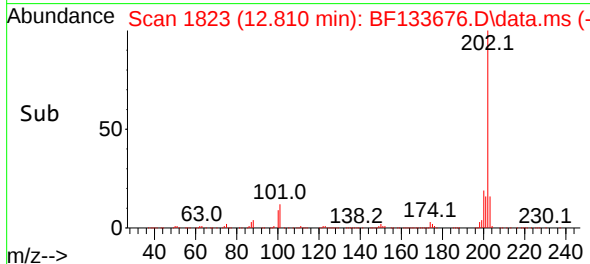
Instrument :
BNA_F
ClientSampleId :
RBR-251580



Tgt Ion:202 Resp: 298030
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.2
203 17.1 13.9 20.9

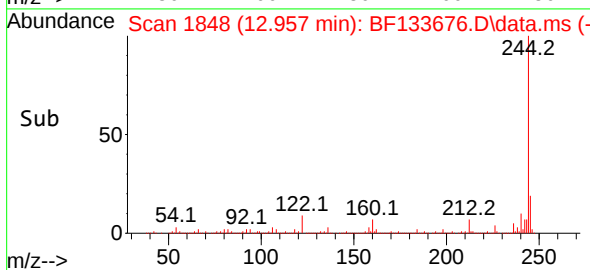
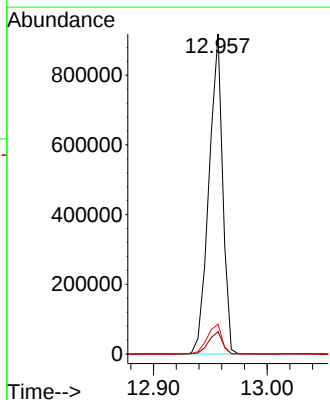
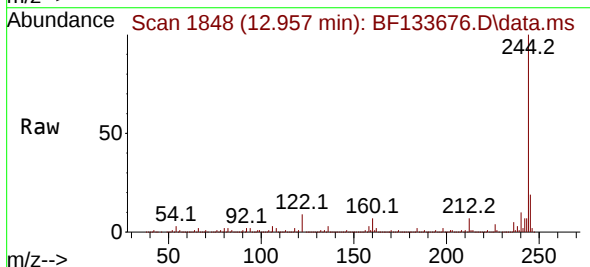
Manual Integrations
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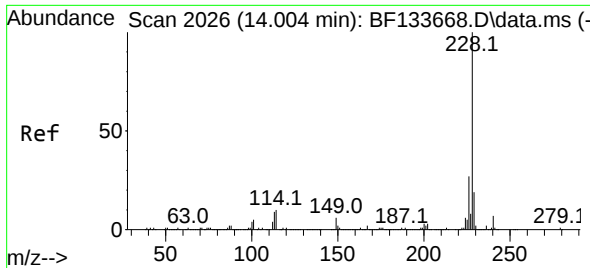
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#79
Terphenyl-d14
Concen: 78.617 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Tgt Ion:244 Resp: 769460
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 9.3 8.1 12.1





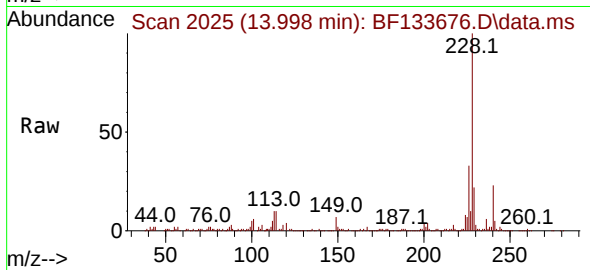
#81
Benzo(a)anthracene
Concen: 11.900 ng m
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580



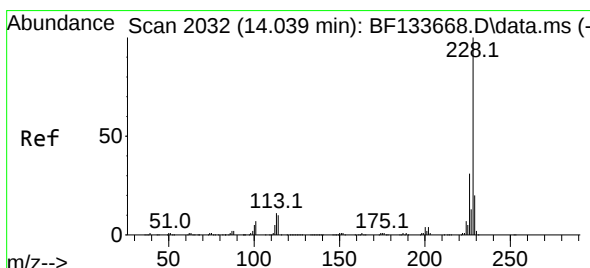
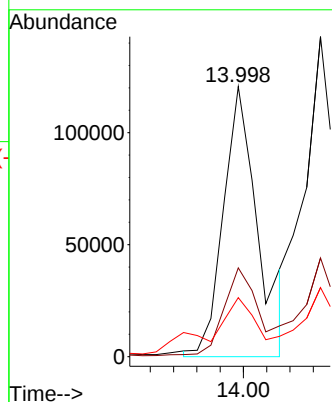
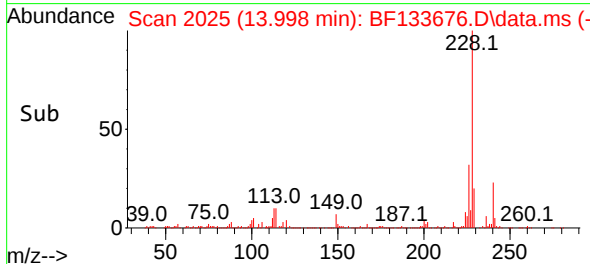
Tgt Ion:228 Resp: 124662
Ion Ratio Lower Upper
228 100
226 32.9 21.7 32.5
229 21.9 15.4 23.2

Manual Integrations

APPROVED

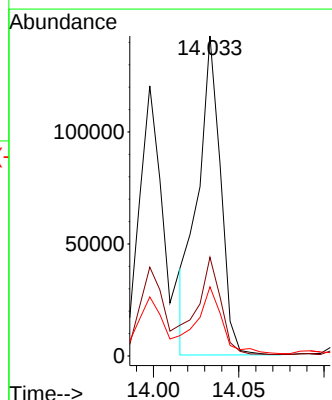
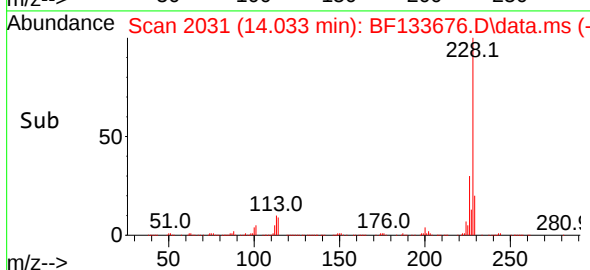
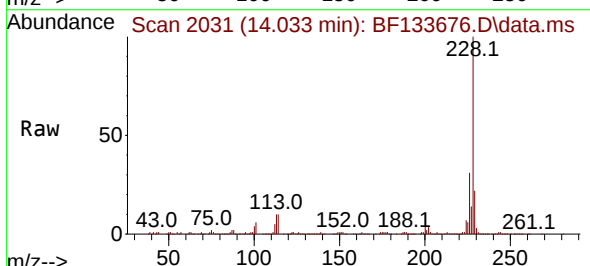
Reviewed By :Yogesh Patel 06/13/2023

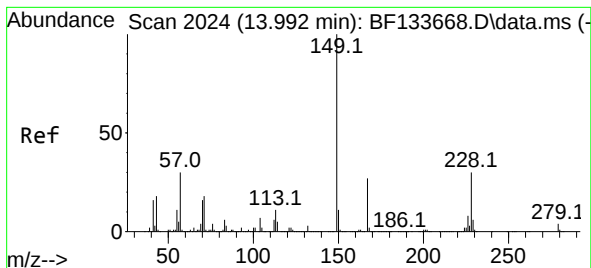
Supervised By :mohammad ahmed 06/13/2023



#83
Chrysene
Concen: 13.380 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

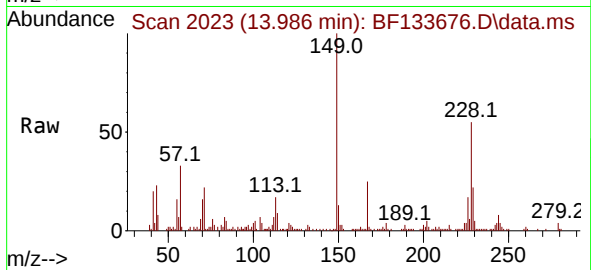
Tgt Ion:228 Resp: 132573
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 21.6 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.691 ng
RT: 13.986 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

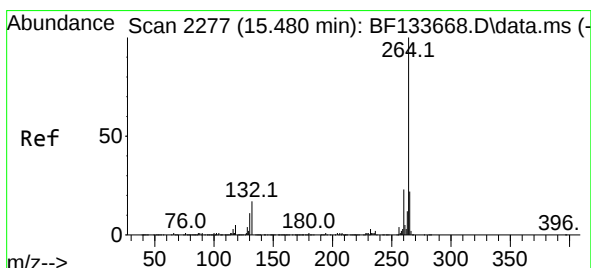
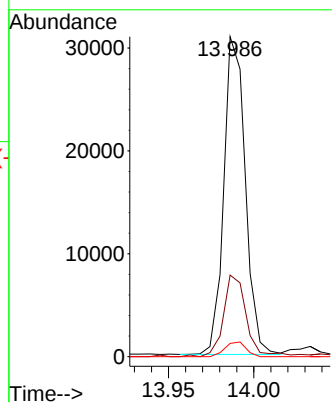
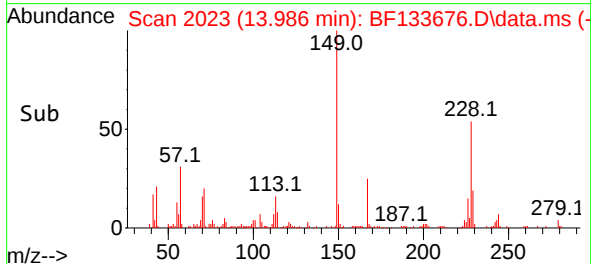
Instrument :
BNA_F
ClientSampleId :
RBR-251580



Tgt Ion:149 Resp: 27064
Ion Ratio Lower Upper
149 100
167 25.5 21.8 32.8
279 4.2 3.3 4.9

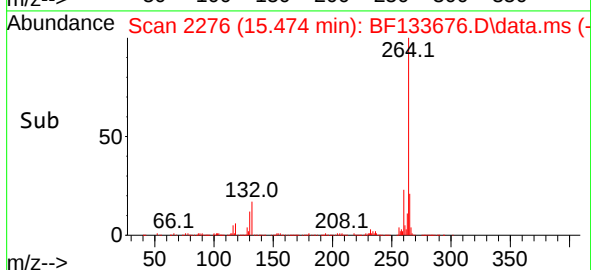
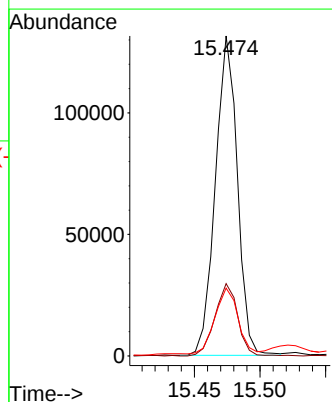
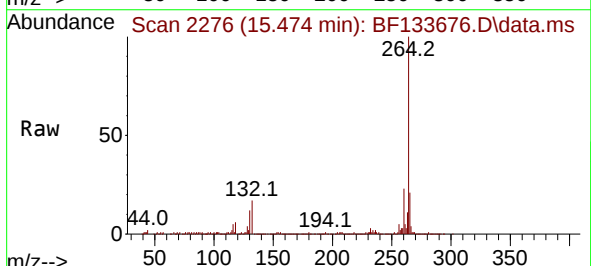
Manual Integrations
APPROVED

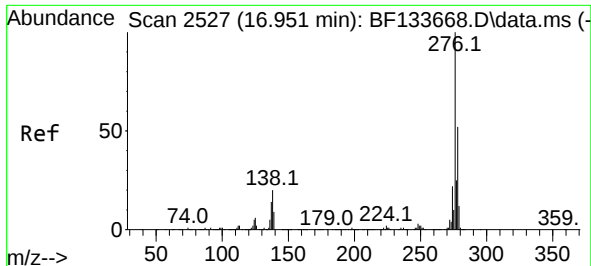
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Tgt Ion:264 Resp: 152970
Ion Ratio Lower Upper
264 100
260 22.6 18.2 27.2
265 21.2 17.8 26.6





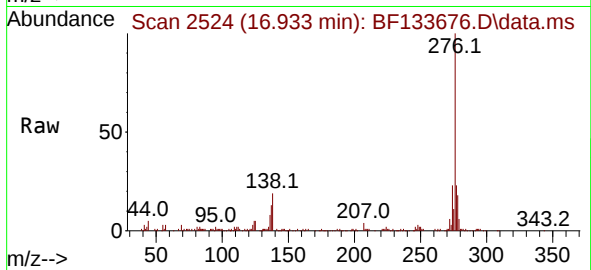
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.908 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580

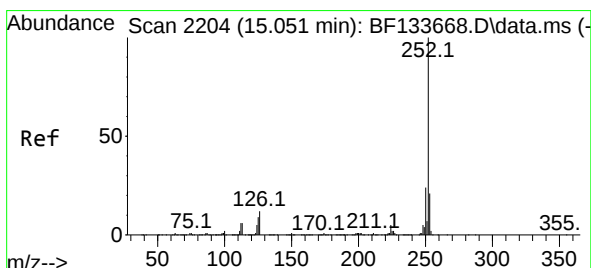
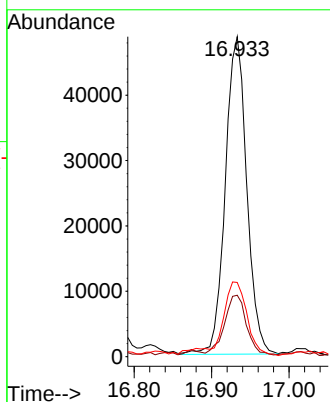
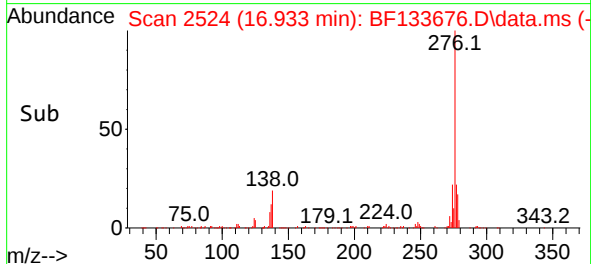


Tgt Ion: 276 Resp: 93749
Ion Ratio Lower Upper
276 100
138 19.1 17.9 26.9
277 24.6 20.3 30.5

Manual Integrations

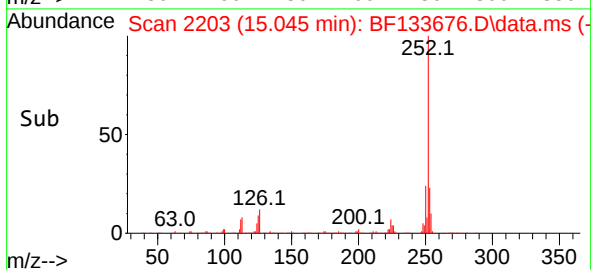
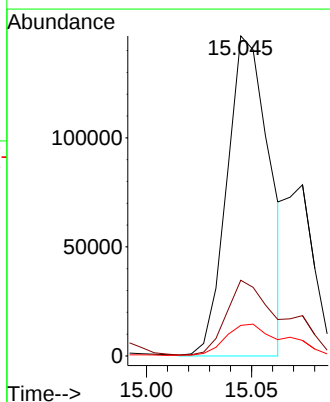
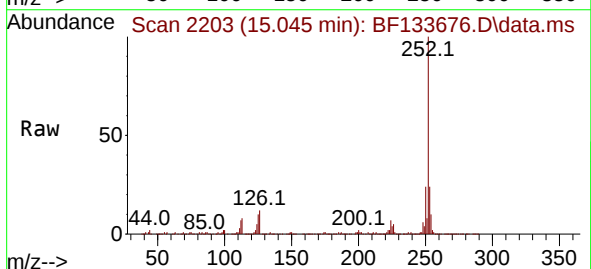
APPROVED

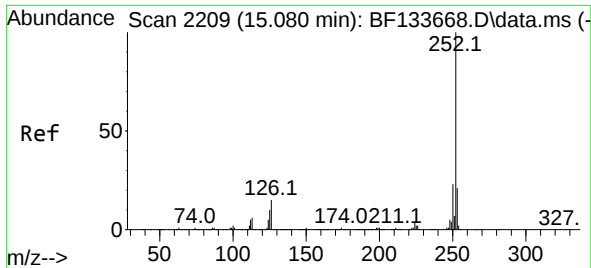
Reviewed By : Yogesh Patel 06/13/2023
Supervised By : mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 22.164 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Tgt Ion: 252 Resp: 205953
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 9.5 7.3 10.9





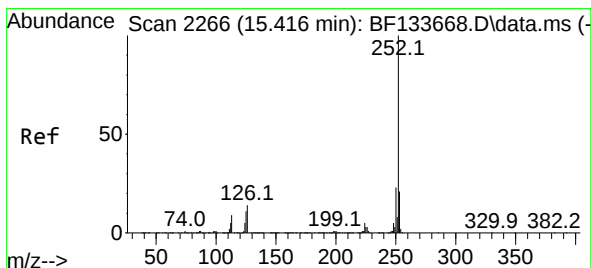
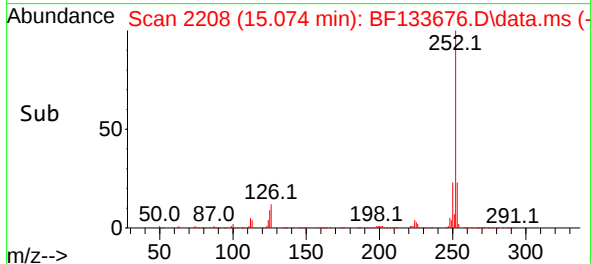
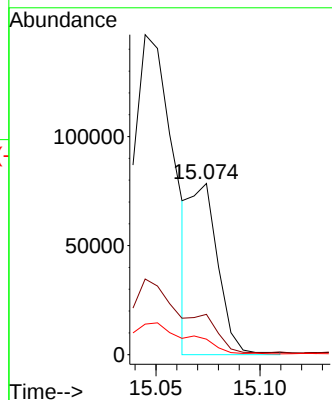
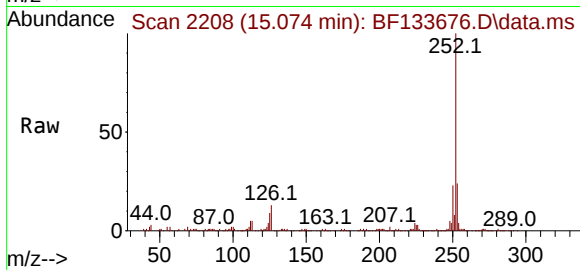
#89
Benzo(k)fluoranthene
Concen: 8.061 ng m
RT: 15.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Instrument :
BNA_F
ClientSampleId :
RBR-251580

Tgt Ion:252 Resp: 72970
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 9.1 7.8 11.6

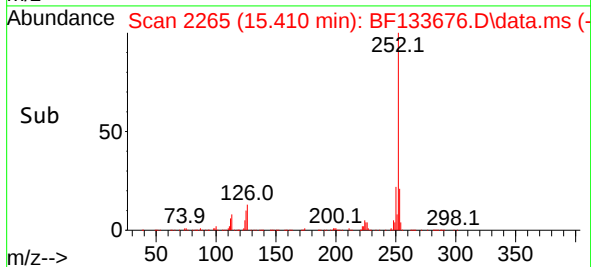
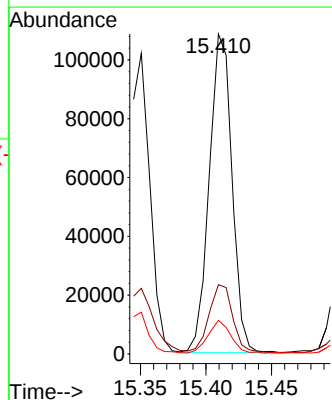
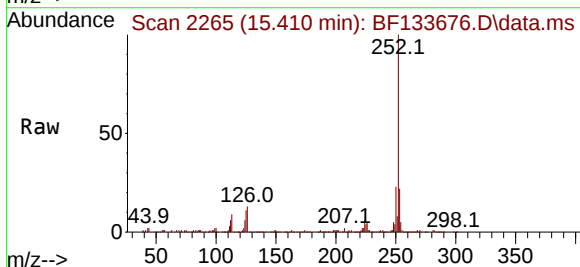
Manual Integrations
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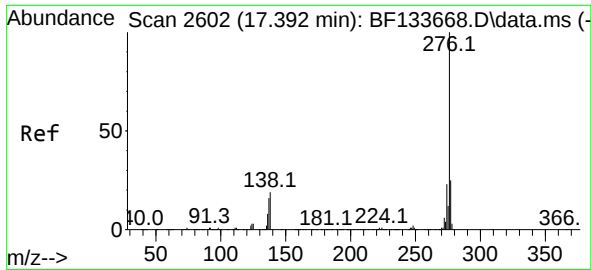
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#90
Benzo(a)pyrene
Concen: 15.196 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF133676.D
Acq: 09 Jun 2023 15:15

Tgt Ion:252 Resp: 131047
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 10.5 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 9.634 ng

RT: 17.374 min Scan# 2599

Delta R.T. -0.018 min

Lab File: BF133676.D

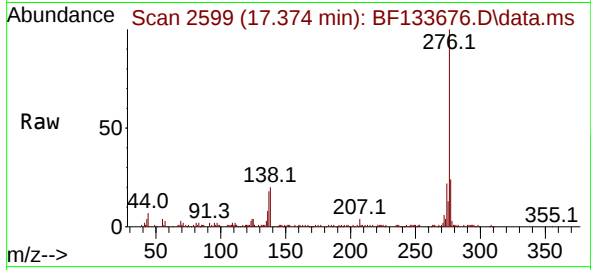
Acq: 09 Jun 2023 15:15

Instrument :

BNA_F

ClientSampleId :

RBR-251580



Tgt Ion: 276 Resp: 8322

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.8

138 19.6 15.0 22.4

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 06/13/2023

Supervised By : mohammad ahmed 06/13/2023

