

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133316.D
 Acq On : 09 May 2023 14:32
 Operator : CG\JU
 Sample : 02665-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-612-COMP-02

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 01:46:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	181324	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	720290	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	371088	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	668875	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	376468	20.000	ng	-0.01
86) Perylene-d12	15.292	264	399734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1207577	100.603	ng	0.00
7) Phenol-d6	6.363	99	1460701	98.042	ng	0.00
23) Nitrobenzene-d5	7.286	82	884155	66.257	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	336530	90.174	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1544279	69.622	ng	0.00
79) Terphenyl-d14	12.827	244	1621169	74.269	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	488887	13.599	ng	99
75) Fluoranthene	12.445	202	489180	13.558	ng	98
78) Pyrene	12.674	202	567300	17.579	ng	99
81) Benzo(a)anthracene	13.862	228	201224	7.773	ng	94
83) Chrysene	13.898	228	206660	7.985	ng	99
87) Indeno(1,2,3-cd)pyrene	16.656	276	92364	4.062	ng	95
88) Benzo(b)fluoranthene	14.886	252	192394m	7.565	ng	
89) Benzo(k)fluoranthene	14.909	252	54332m	2.155	ng	
90) Benzo(a)pyrene	15.227	252	149053	6.439	ng	98
92) Benzo(g,h,i)perylene	17.068	276	91690	4.897	ng	98

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

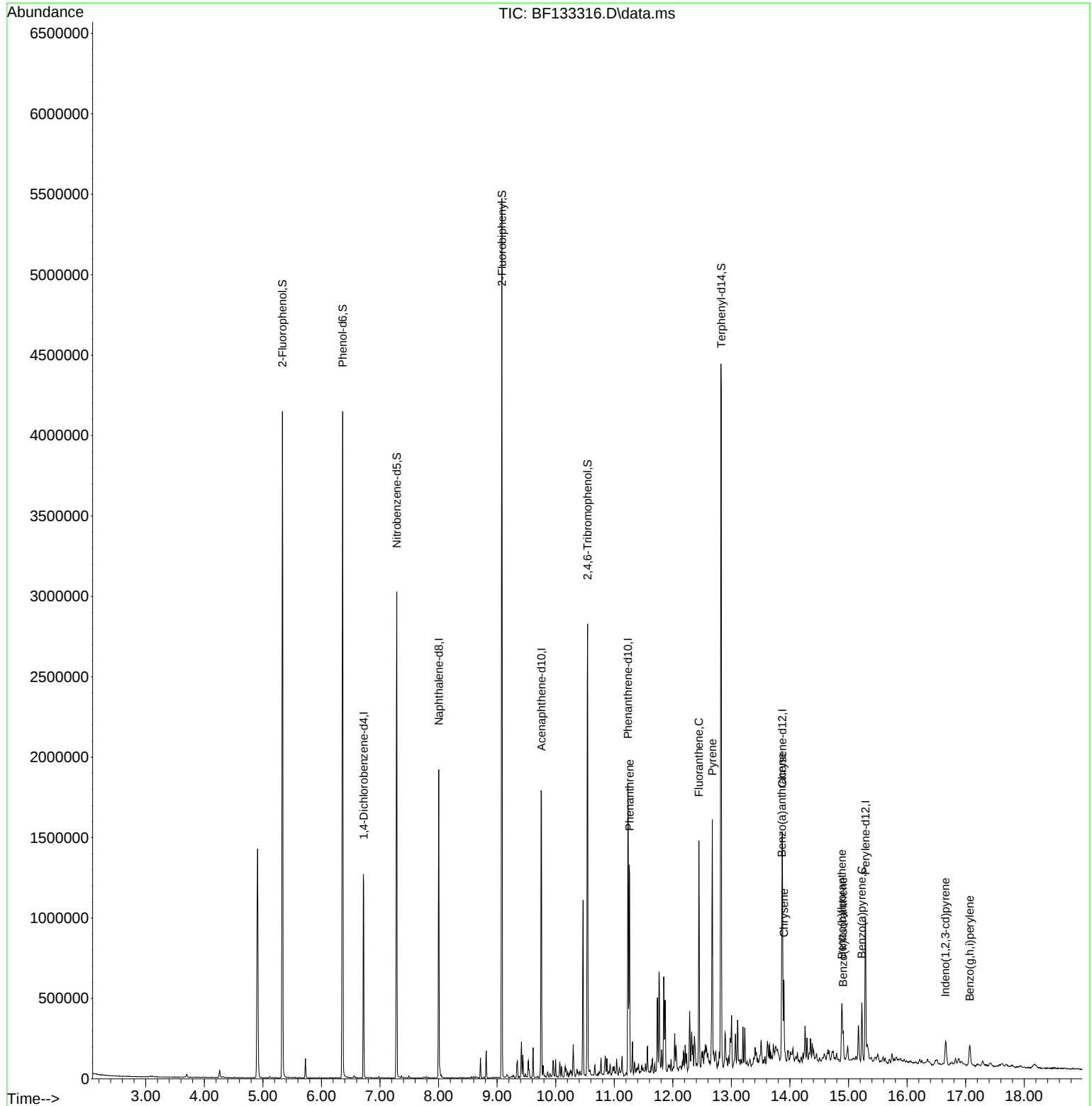
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133316.D
Acq On : 09 May 2023 14:32
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ALS Vial : 9 Sample Multiplier: 1

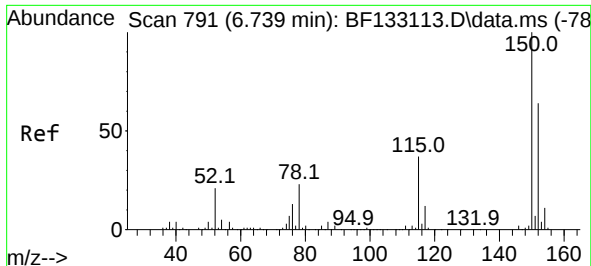
Instrument :
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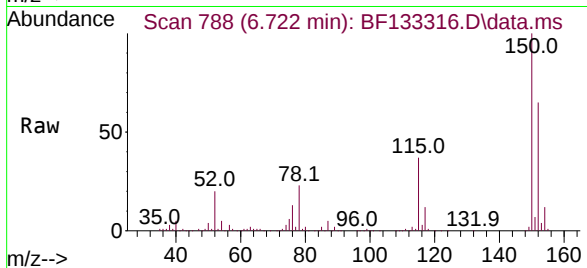
Quant Time: May 10 01:46:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

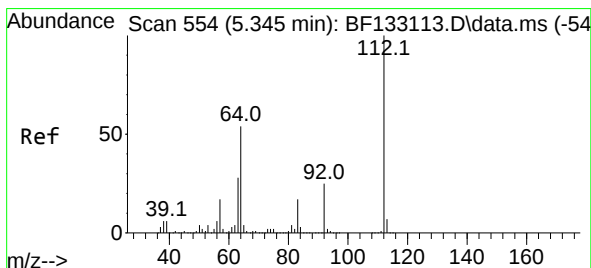
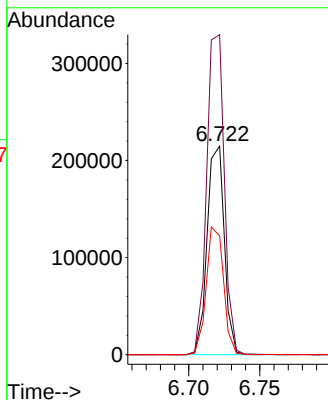
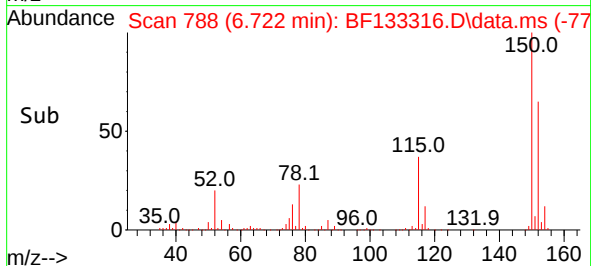
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02



Tgt Ion:152 Resp: 181324
Ion Ratio Lower Upper
152 100
150 153.4 124.8 187.2
115 56.9 49.9 74.9

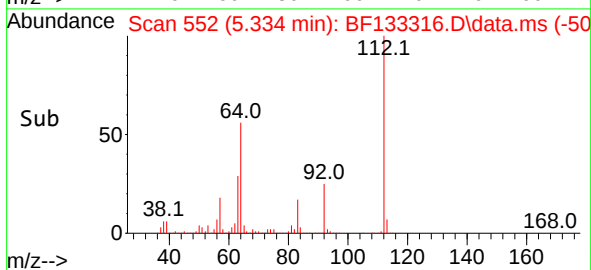
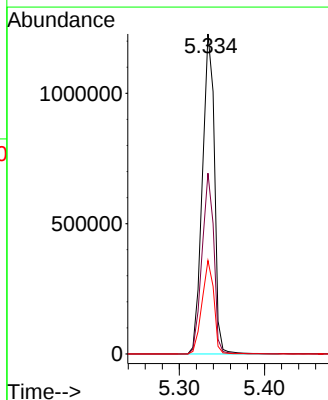
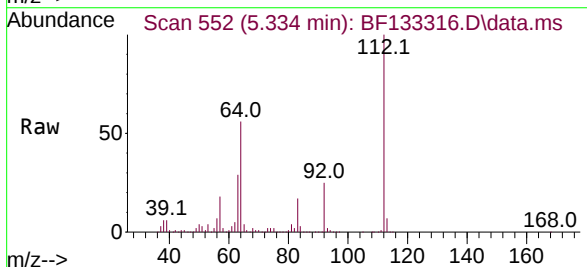
Manual Integrations
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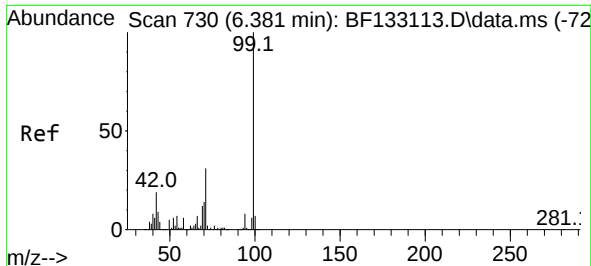
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#5
2-Fluorophenol
Concen: 100.603 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

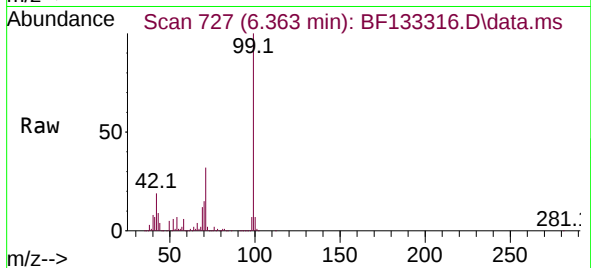
Tgt Ion:112 Resp: 1207577
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 98.042 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

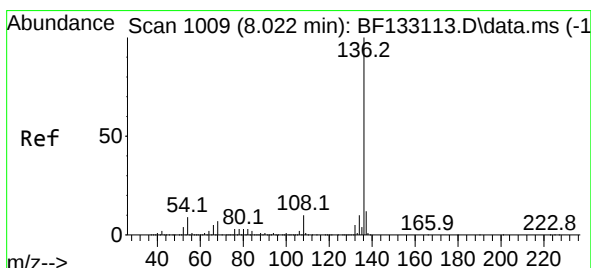
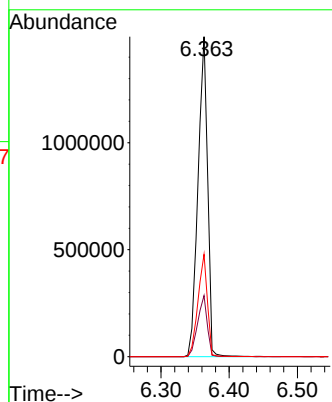
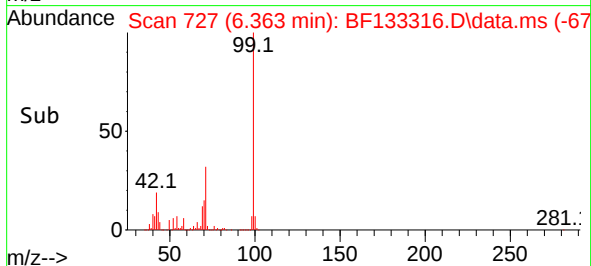
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 146070
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.0 25.6 38.4

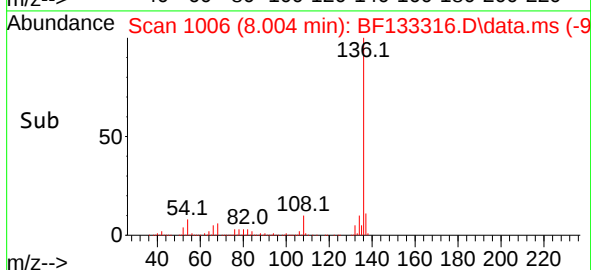
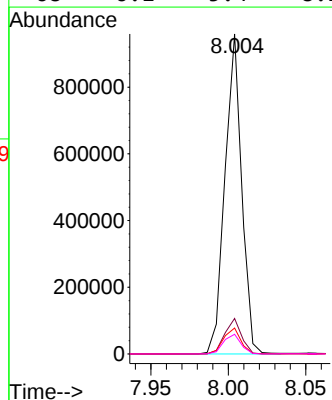
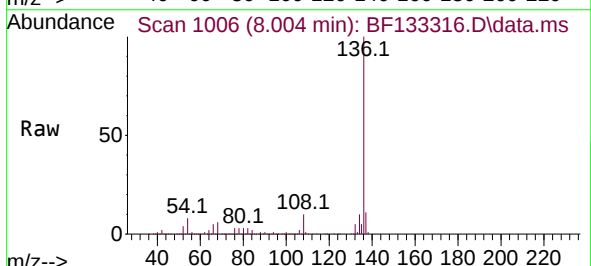
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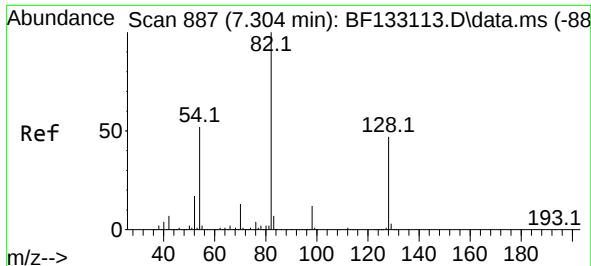
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

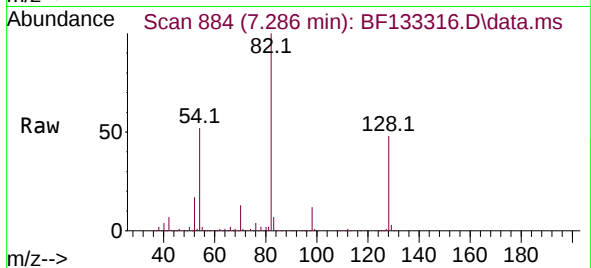
Tgt Ion:136 Resp: 720290
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.1 7.0 10.4
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 66.257 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

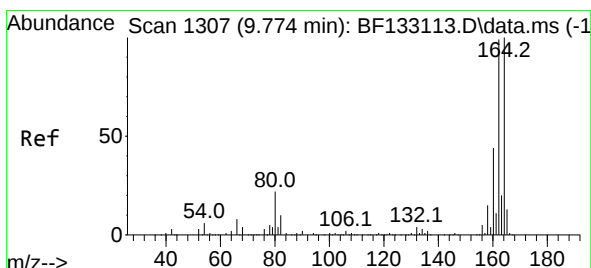
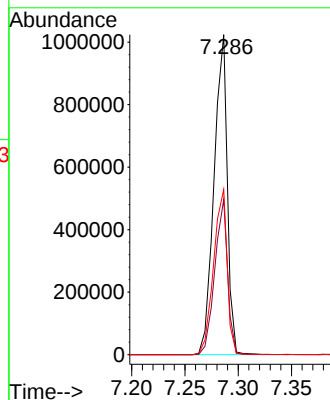
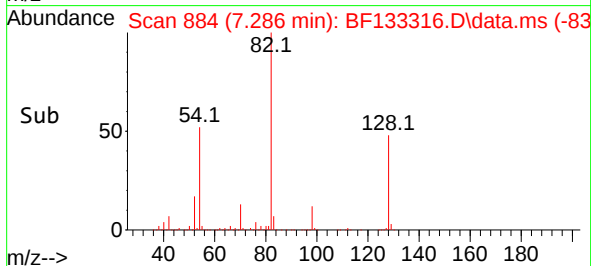
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02



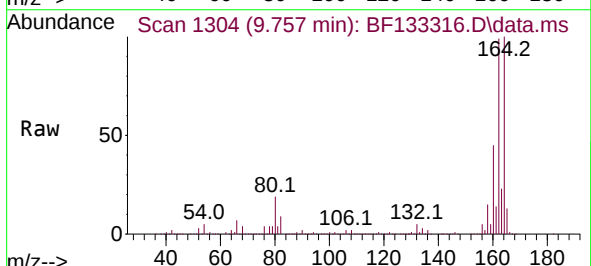
Tgt Ion: 82 Resp: 88415
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 51.7 43.0 64.4

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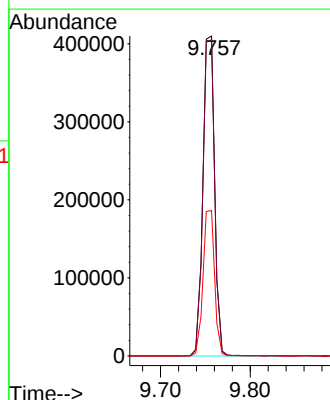
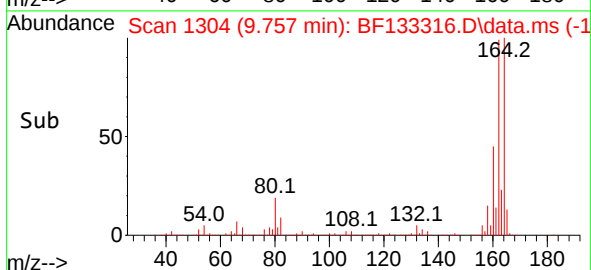
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

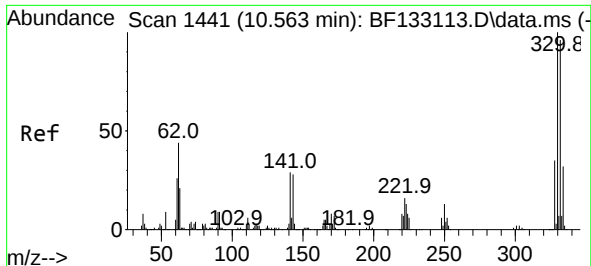


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32



Tgt Ion:164 Resp: 371088
Ion Ratio Lower Upper
164 100
162 98.8 78.7 118.1
160 45.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 90.174 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Instrument :

BNA_F

ClientSampleId :

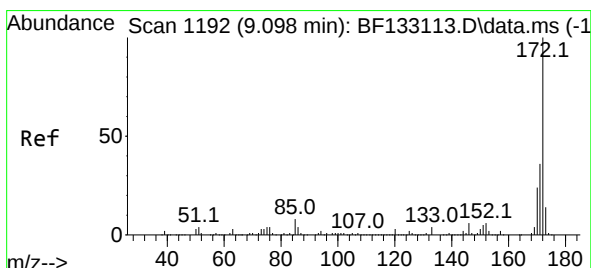
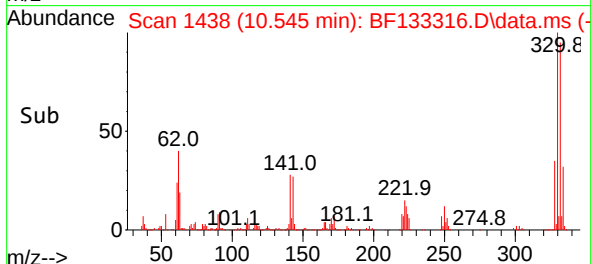
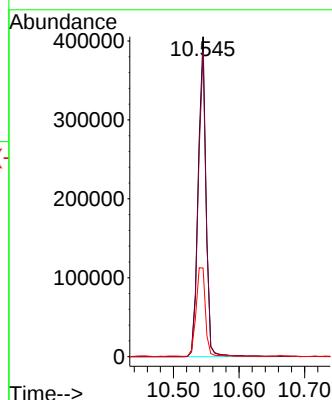
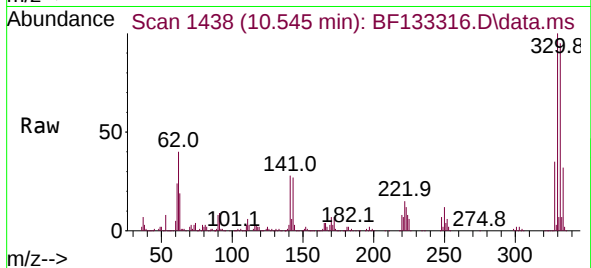
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Tgt Ion:330 Resp: 336530
Ion Ratio Lower Upper
330 100
332 95.4 77.1 115.7
141 33.1 25.8 38.8

Manual Integrations

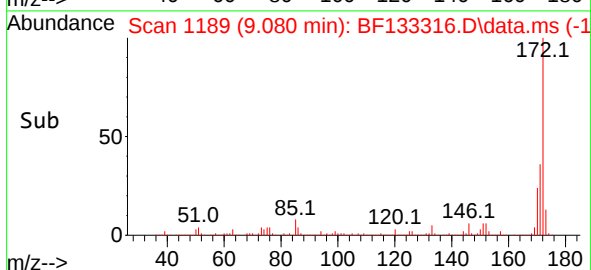
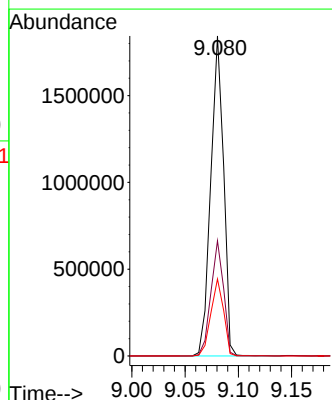
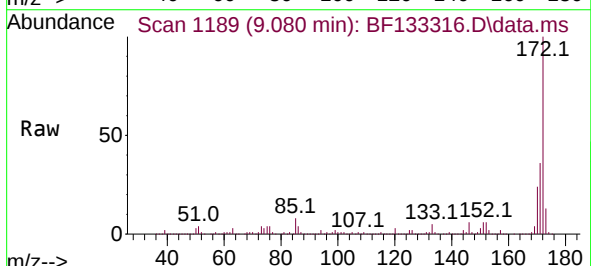
APPROVED

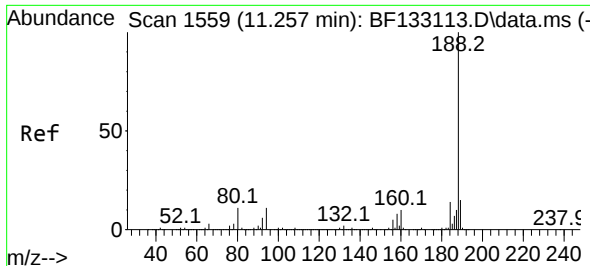
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#45
2-Fluorobiphenyl
Concen: 69.622 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

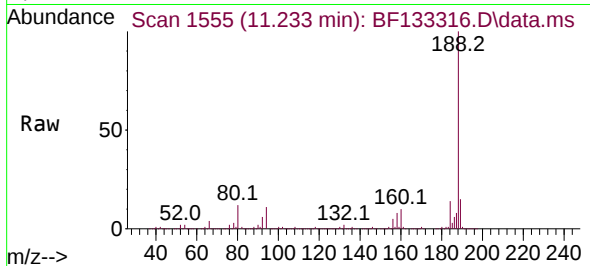
Tgt Ion:172 Resp: 1544279
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

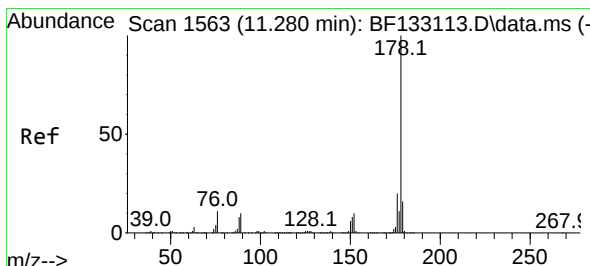
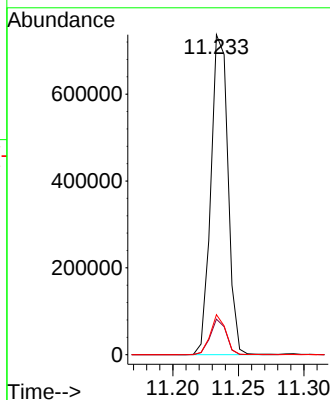
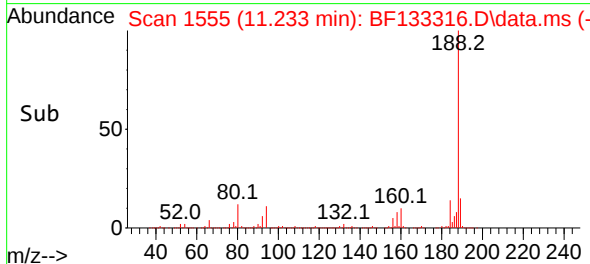
Instrument :
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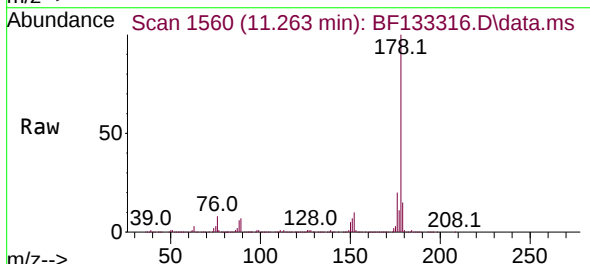
Tgt Ion:188 Resp: 668875
Ion Ratio Lower Upper
188 100
94 11.1 9.7 14.5
80 12.5 10.4 15.6

Manual Integrations
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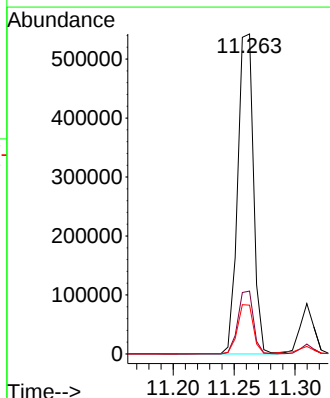
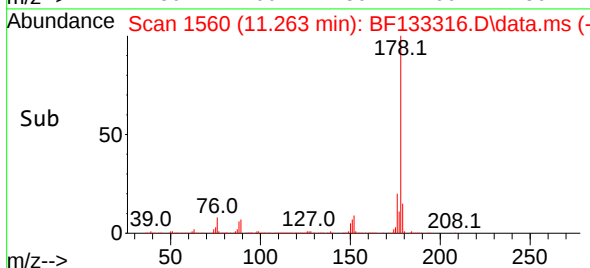
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

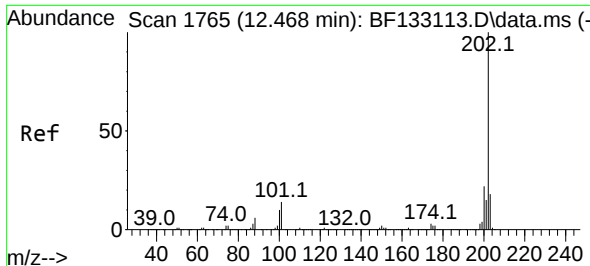


#71
Phenanthrene
Concen: 13.599 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32



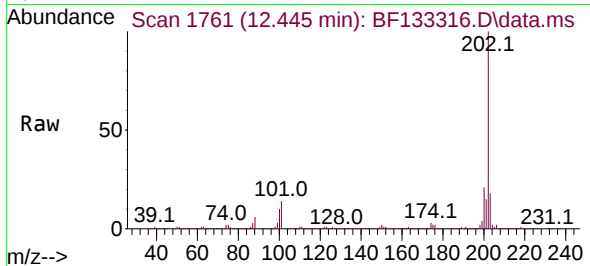
Tgt Ion:178 Resp: 488887
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.2 12.5 18.7





#75
Fluoranthene
Concen: 13.558 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

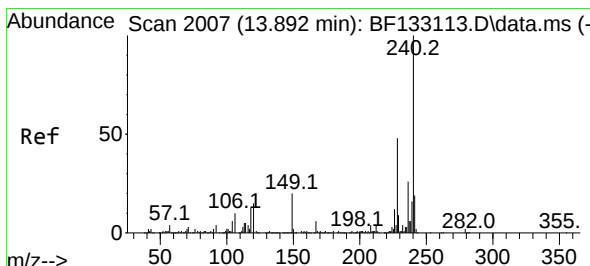
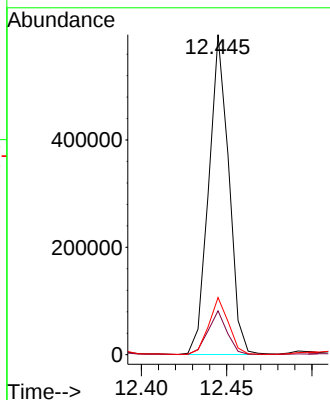
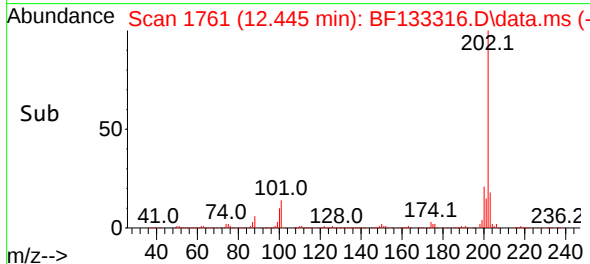
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02



Tgt Ion:202 Resp: 489180
Ion Ratio Lower Upper
202 100
101 13.7 0.0 35.3
203 17.9 0.0 38.1

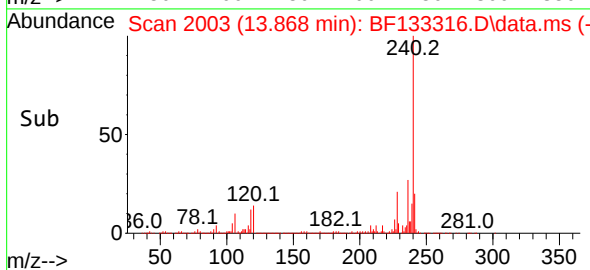
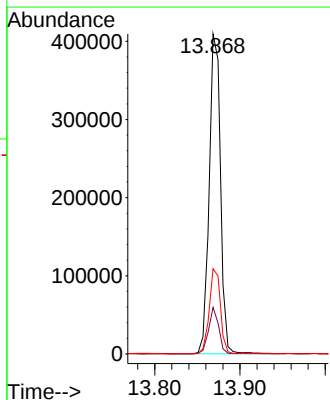
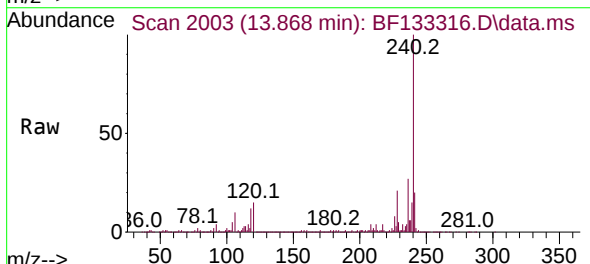
Manual Integrations
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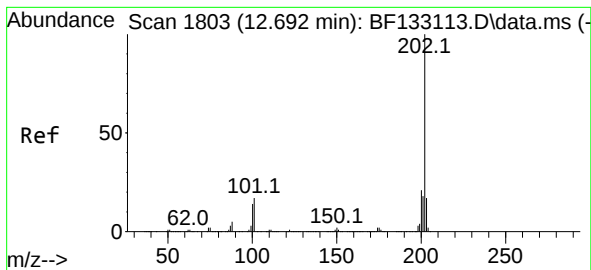
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:240 Resp: 376468
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 26.6 21.5 32.3





#78

Pyrene

Concen: 17.579 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TR-612-COMP-02

Tgt Ion:202 Resp: 567300

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

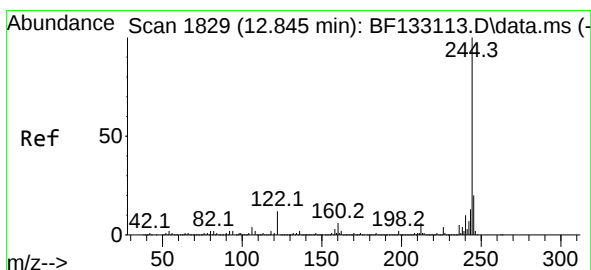
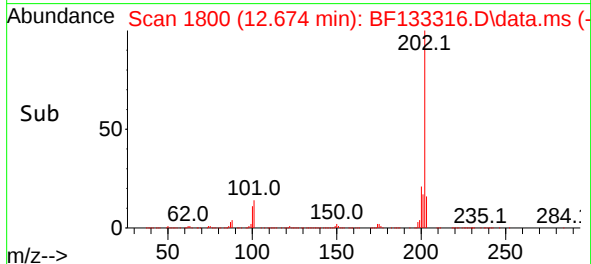
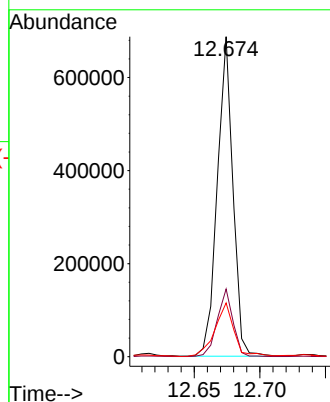
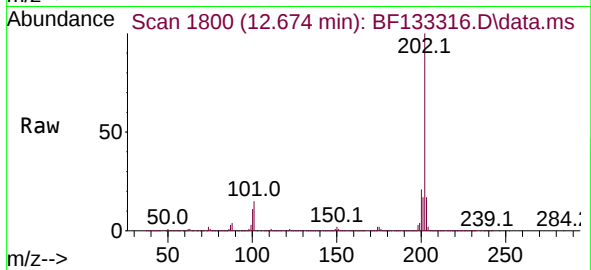
203 16.8 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023



#79

Terphenyl-d14

Concen: 74.269 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

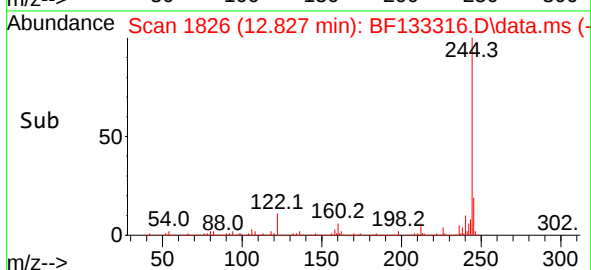
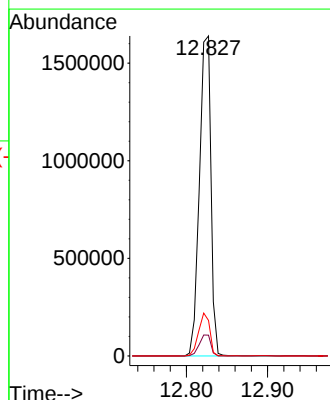
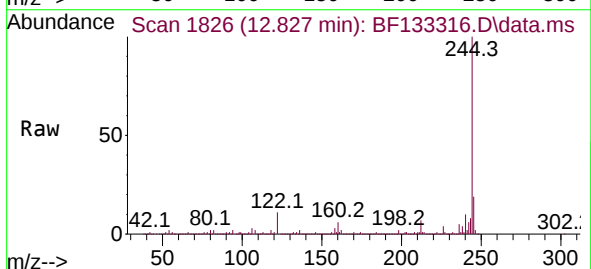
Tgt Ion:244 Resp: 1621169

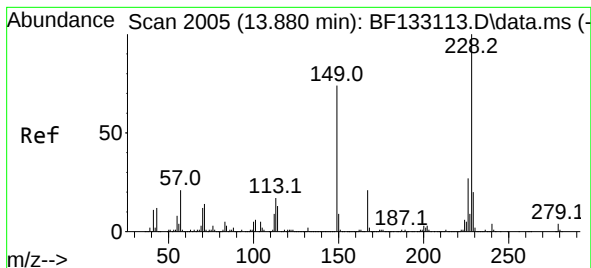
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 11.1 8.6 13.0





#81

Benzo(a)anthracene

Concen: 7.773 ng

RT: 13.862 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133316.D

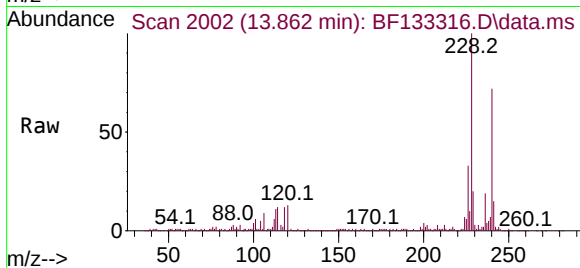
Acq: 09 May 2023 14:32

Instrument :

BNA_F

ClientSampleId :

TR-612-COMP-02



Tgt Ion:228 Resp: 201224

Ion Ratio Lower Upper

228 100

226 33.3 22.2 33.4

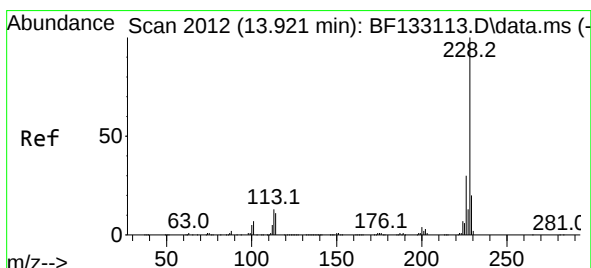
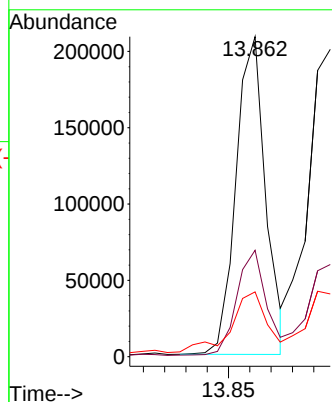
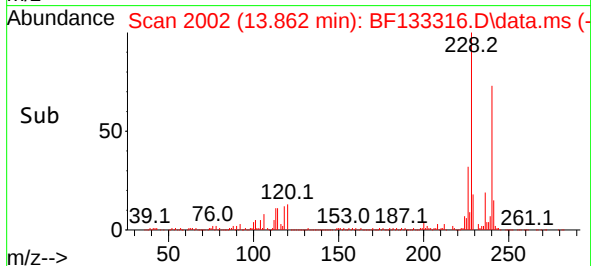
229 20.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023



#83

Chrysene

Concen: 7.985 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133316.D

Acq: 09 May 2023 14:32

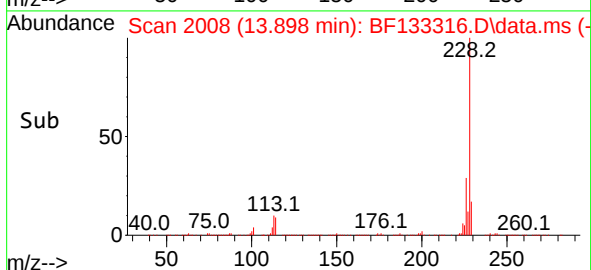
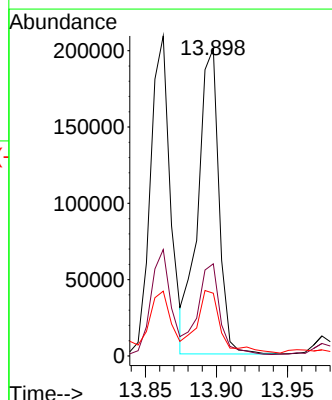
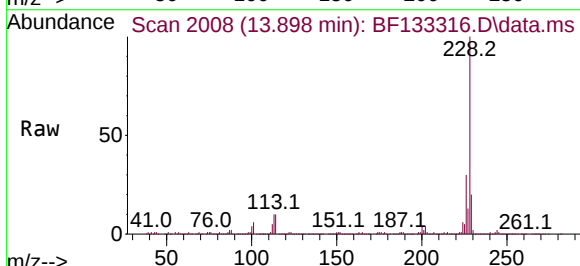
Tgt Ion:228 Resp: 206660

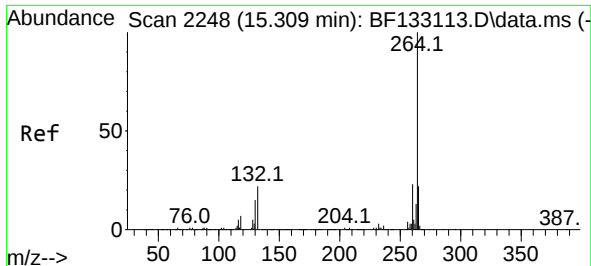
Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

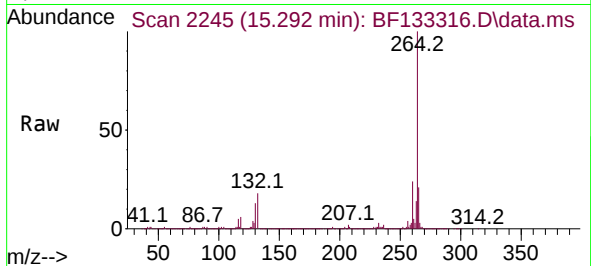
229 20.4 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

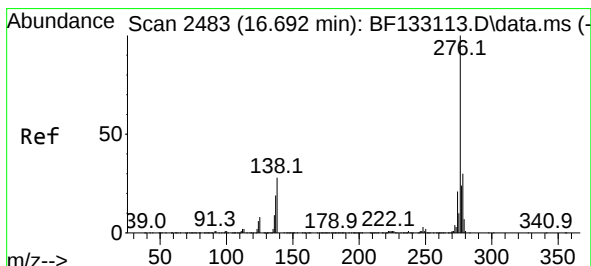
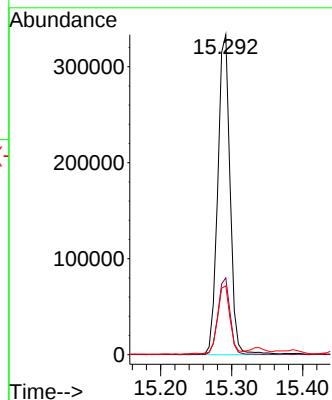
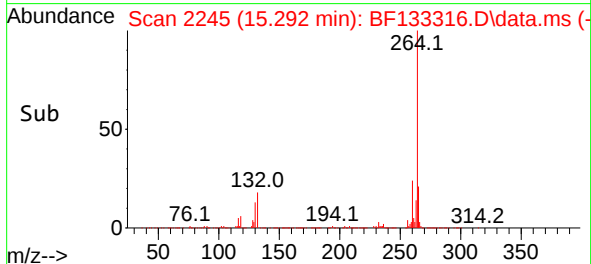
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02



Tgt Ion:264 Resp: 399734
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.5 17.0 25.4

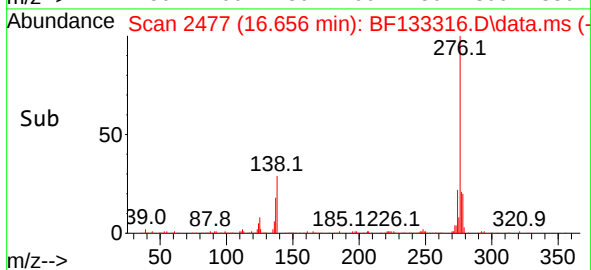
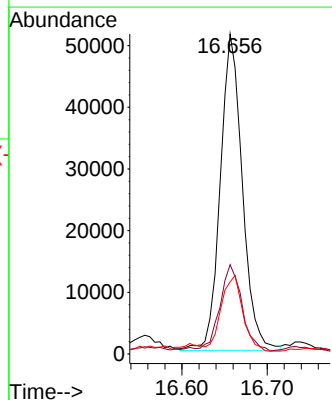
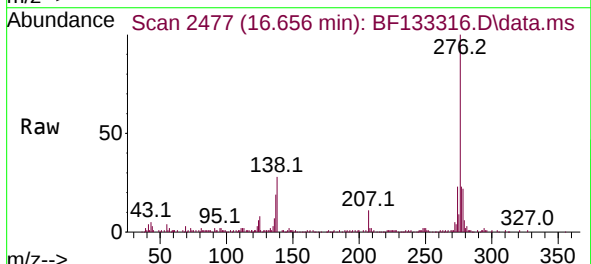
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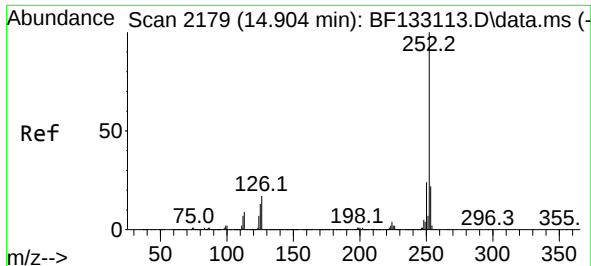
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.062 ng
RT: 16.656 min Scan# 2477
Delta R.T. -0.018 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

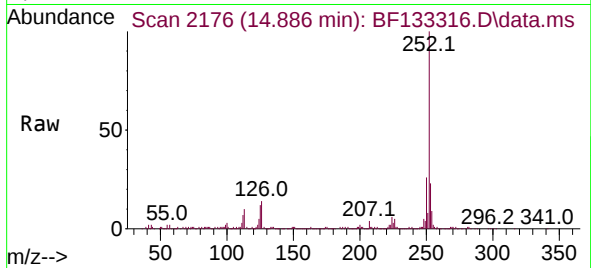
Tgt Ion:276 Resp: 92364
Ion Ratio Lower Upper
276 100
138 28.7 25.5 38.3
277 23.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 7.565 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

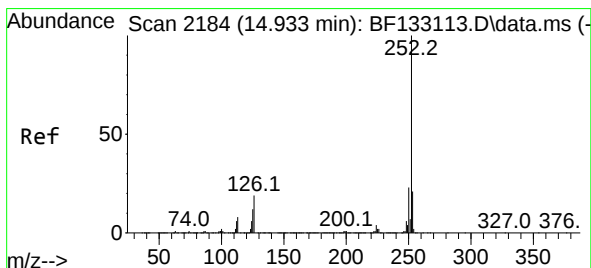
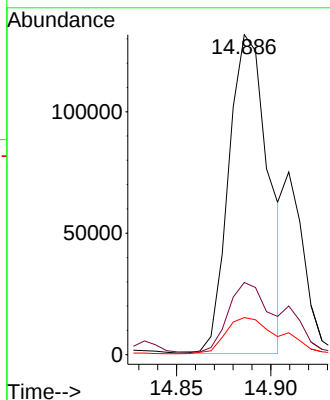
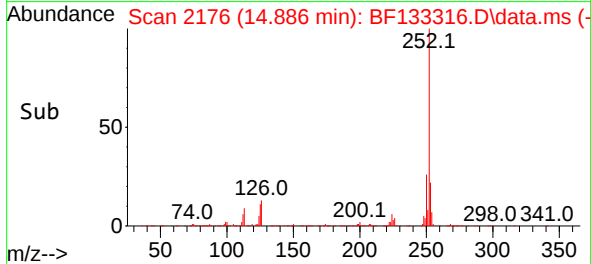
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02



Tgt Ion:252 Resp: 192394
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.6 8.9 13.3

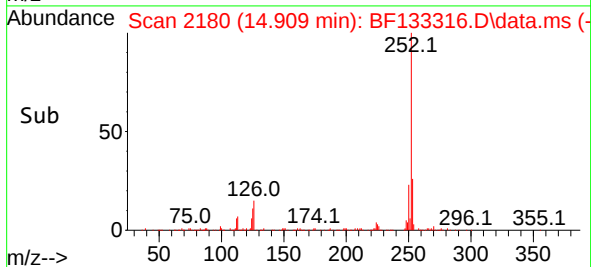
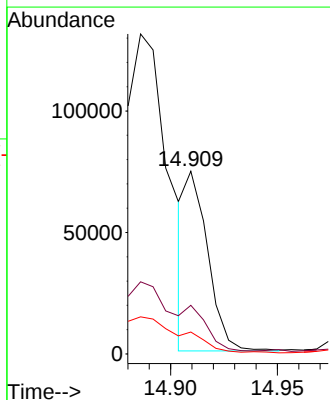
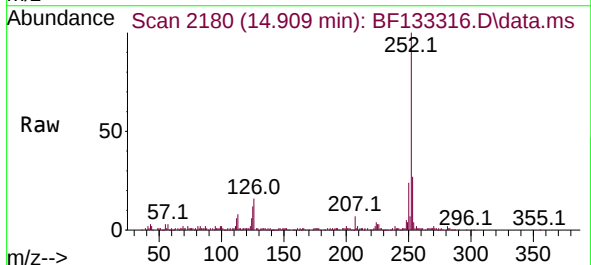
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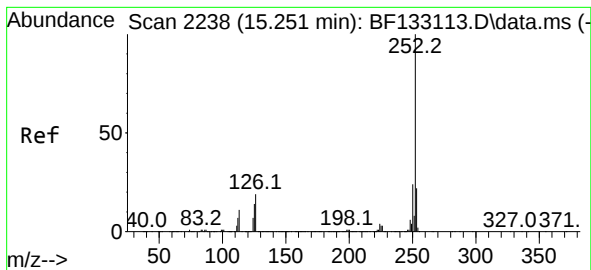
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#89
Benzo(k)fluoranthene
Concen: 2.155 ng m
RT: 14.909 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

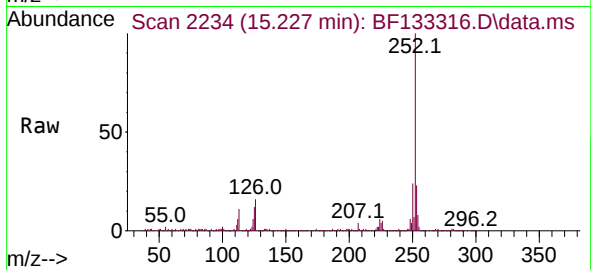
Tgt Ion:252 Resp: 54332
Ion Ratio Lower Upper
252 100
253 26.6 17.7 26.5#
125 12.0 9.0 13.4





#90
Benzo(a)pyrene
Concen: 6.439 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

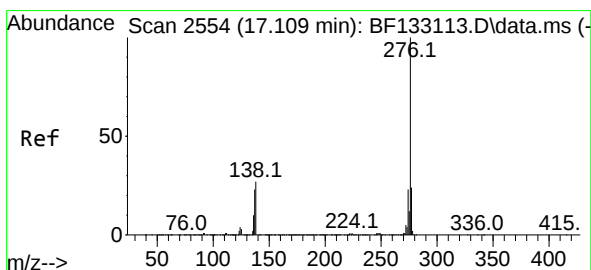
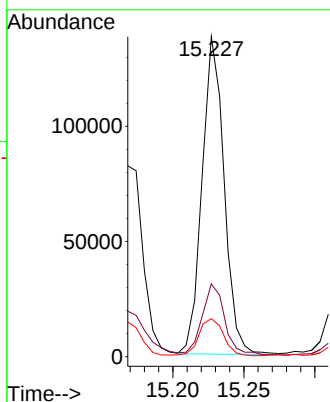
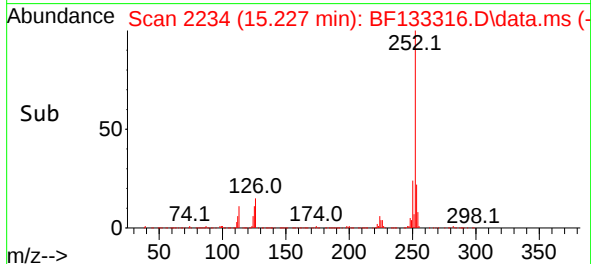
Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02



Tgt Ion:252 Resp: 14905
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.9 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#92
Benzo(g,h,i)perylene
Concen: 4.897 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.018 min
Lab File: BF133316.D
Acq: 09 May 2023 14:32

Tgt Ion:276 Resp: 91690
Ion Ratio Lower Upper
276 100
277 22.4 19.4 29.0
138 27.9 22.7 34.1

