

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133055.D
 Acq On : 26 Apr 2023 05:40
 Operator : CG\JU
 Sample : 02270-07 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-25-0-2-20230411

Quant Time: Apr 26 06:55:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	210348	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	799847	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	366663	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	554148	20.000	ng	0.00
76) Chrysene-d12	13.898	240	414526	20.000	ng	0.00
86) Perylene-d12	15.321	264	341986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	248462	17.843	ng	0.00
7) Phenol-d6	6.375	99	306482	17.733	ng	-0.01
23) Nitrobenzene-d5	7.298	82	172886	11.667	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	51275	13.905	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	346956	15.831	ng	-0.01
79) Terphenyl-d14	12.845	244	294866	12.268	ng	0.00
Target Compounds					Qvalue	
52) Acenaphthene	9.810	154	51983	2.283	ng	98
71) Phenanthrene	11.280	178	709625	23.826	ng	99
72) Anthracene	11.333	178	176983	5.806	ng	98
75) Fluoranthene	12.469	202	940955	31.479	ng	99
78) Pyrene	12.698	202	944826	26.589	ng	99
81) Benzo(a)anthracene	13.886	228	452295	15.867	ng	97
83) Chrysene	13.921	228	428294	15.029	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	152931	7.862	ng	95
88) Benzo(b)fluoranthene	14.915	252	419940m	19.302	ng	
89) Benzo(k)fluoranthene	14.939	252	149436m	6.929	ng	
90) Benzo(a)pyrene	15.257	252	298116	15.054	ng	97
91) Dibenzo(a,h)anthracene	16.709	278	39410m	2.429	ng	
92) Benzo(g,h,i)perylene	17.109	276	146194	9.127	ng	99

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

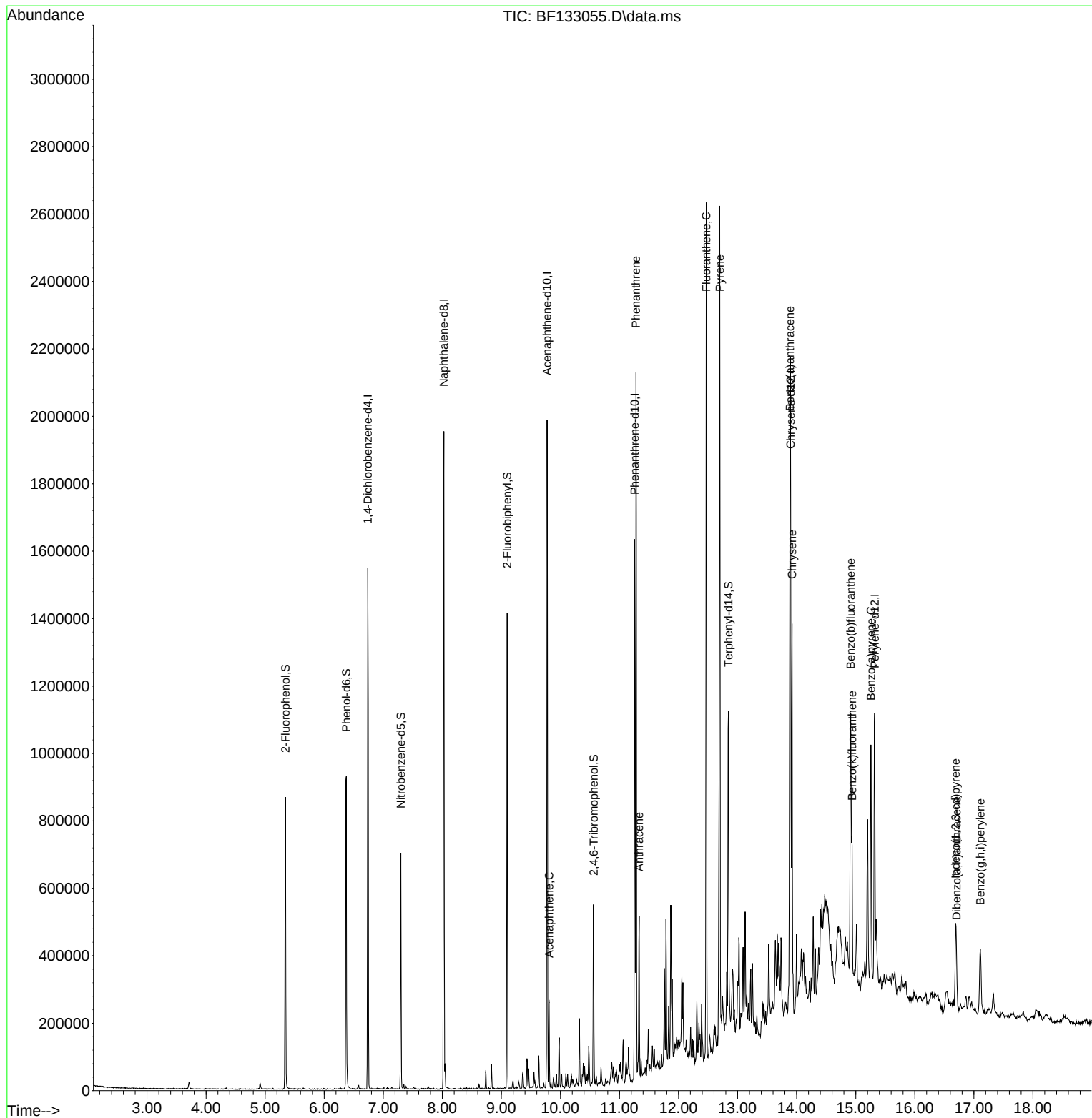
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133055.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

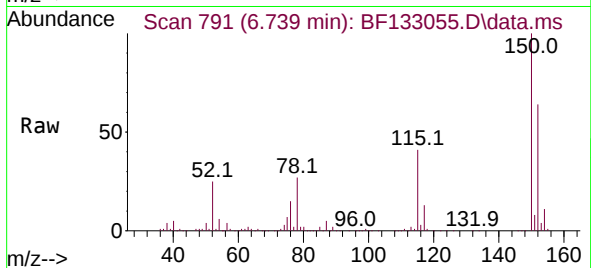
Reviewed By : Christian Giraldo 04/26/2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

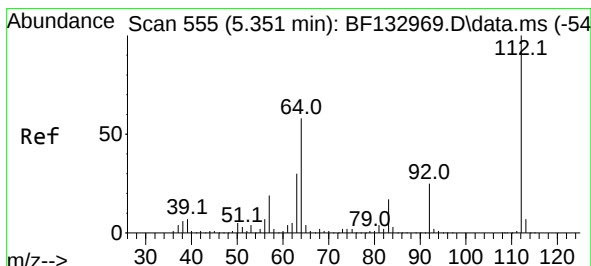
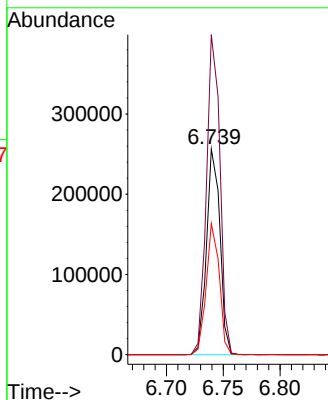
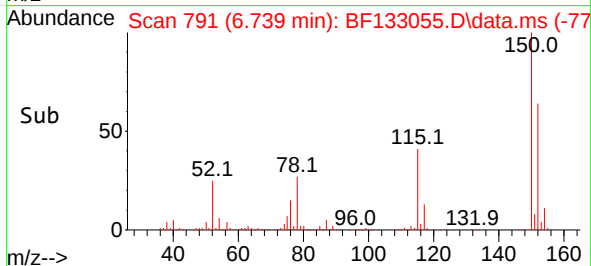
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411



Tgt Ion:152 Resp: 210348
Ion Ratio Lower Upper
152 100
150 155.6 124.8 187.2
115 63.7 49.9 74.9

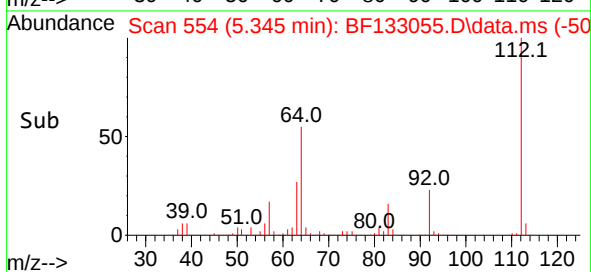
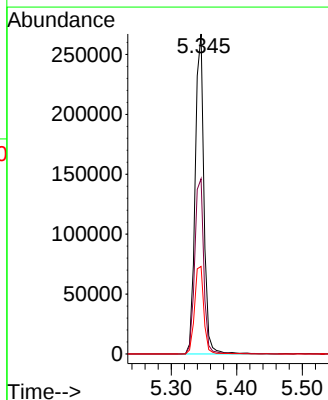
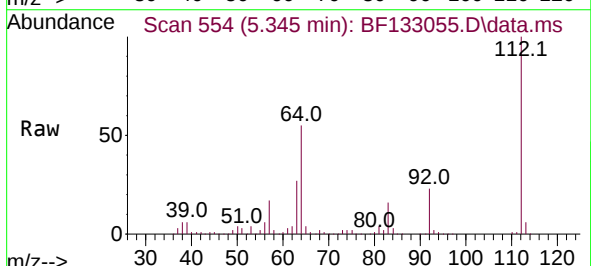
Manual Integrations
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#5
2-Fluorophenol
Concen: 17.843 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

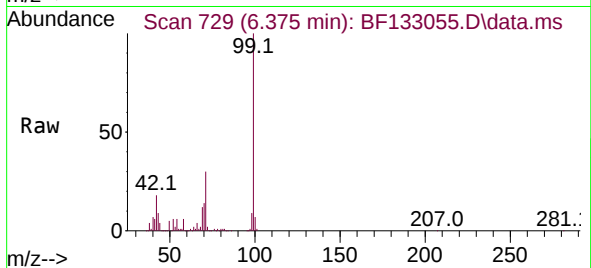
Tgt Ion:112 Resp: 248462
Ion Ratio Lower Upper
112 100
64 54.7 46.8 70.2
63 27.3 23.8 35.8





#7
Phenol-d6
Concen: 17.733 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

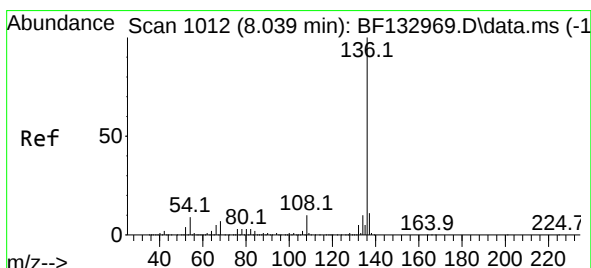
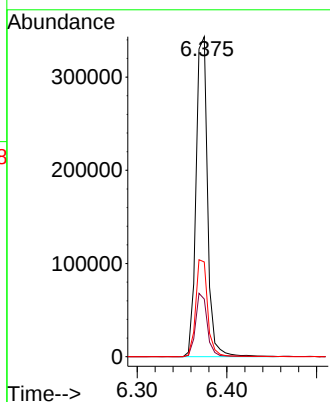
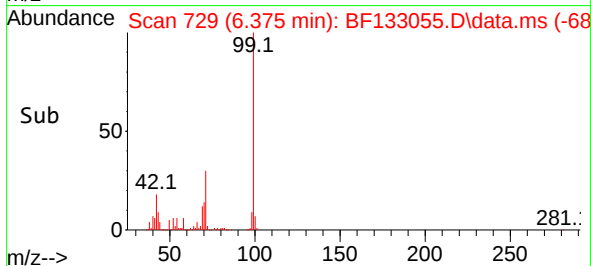
Instrument :
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ClientSampleId :
SB-25-0-2-20230411



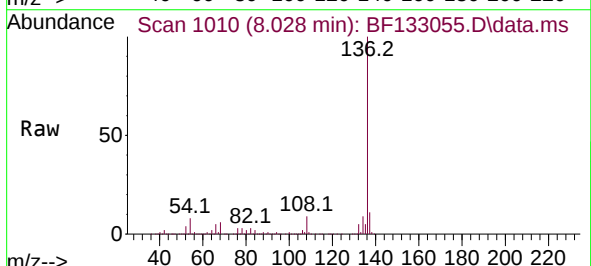
Tgt Ion: 99 Resp: 30648
Ion Ratio Lower Upper
99 100
42 18.0 16.3 24.5
71 29.6 25.6 38.4

Manual Integrations
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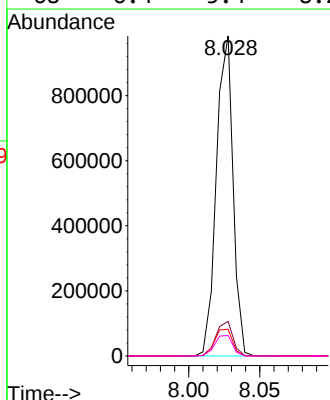
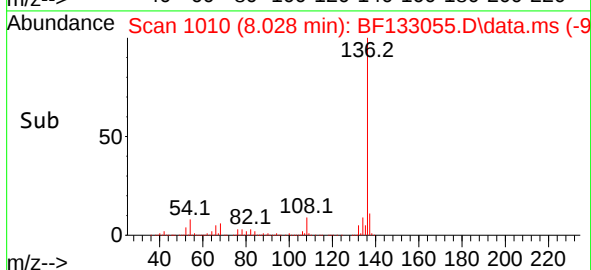
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

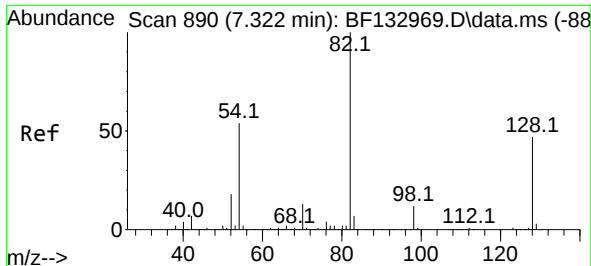


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40



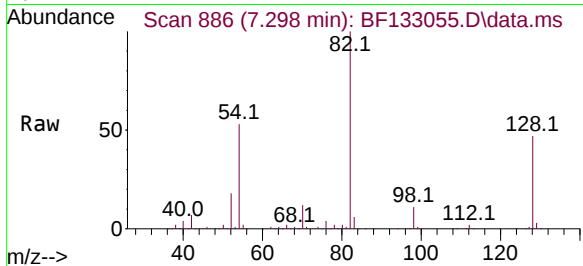
Tgt Ion:136 Resp: 799847
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 7.0 10.4
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 11.667 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

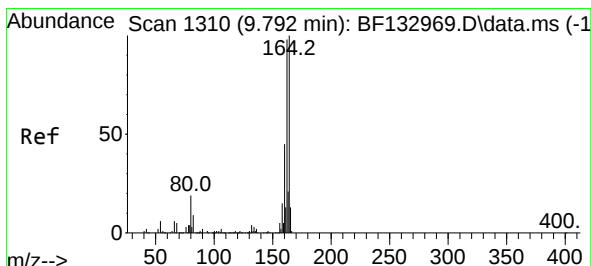
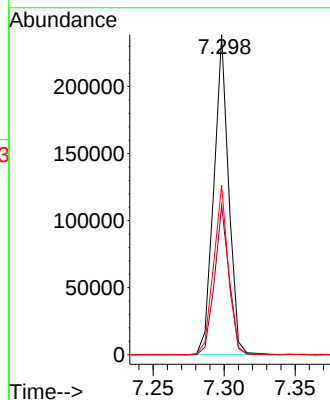
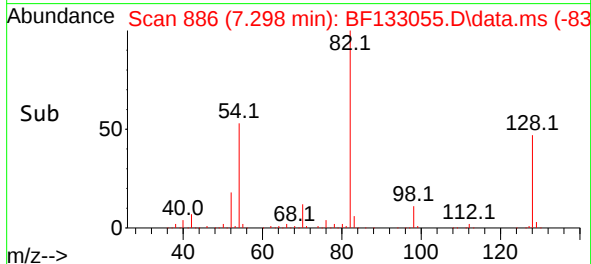
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411



Tgt Ion: 82 Resp: 172880
Ion Ratio Lower Upper
82 100
128 46.6 37.7 56.5
54 53.0 43.0 64.4

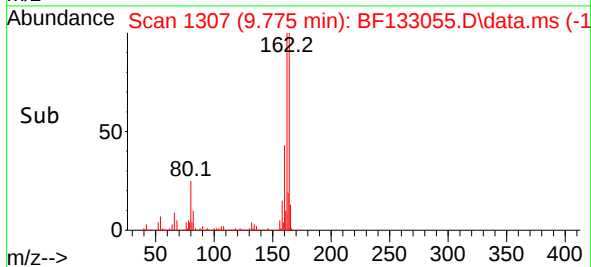
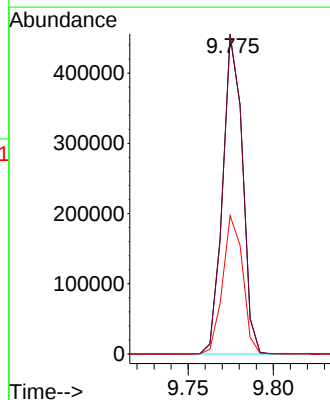
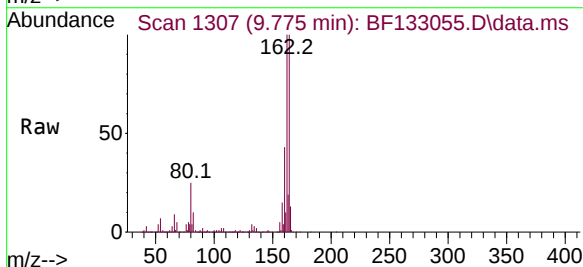
Manual Integrations
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Supervised By :Jagrut Upadhyay 04/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

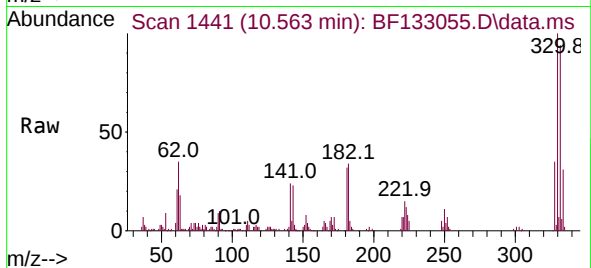
Tgt Ion:164 Resp: 366663
Ion Ratio Lower Upper
164 100
162 100.5 78.7 118.1
160 43.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 13.905 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

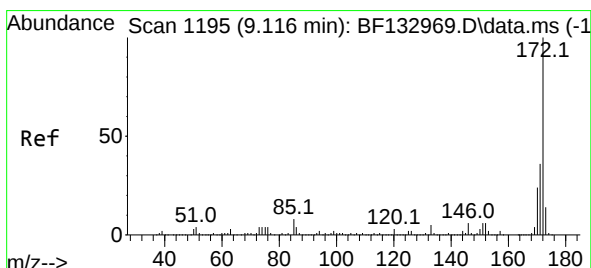
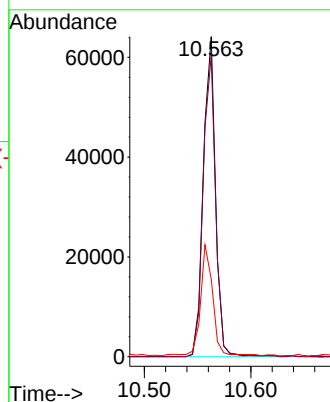
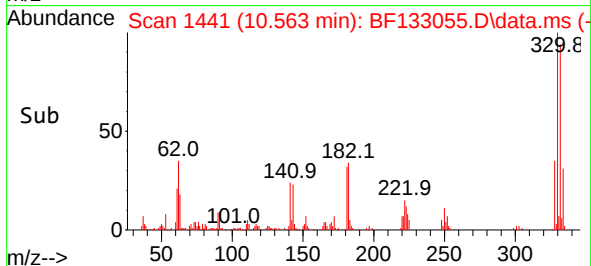
Instrument :
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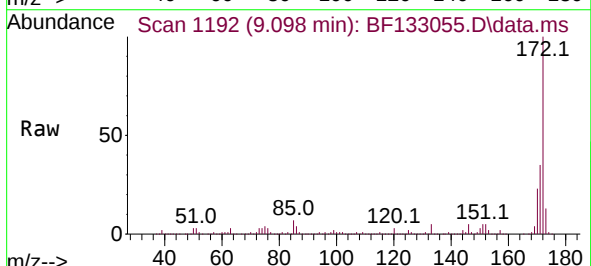
Tgt Ion: 330 Resp: 51279
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 34.4 25.8 38.8

Manual Integrations
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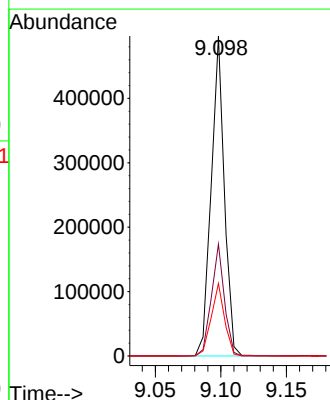
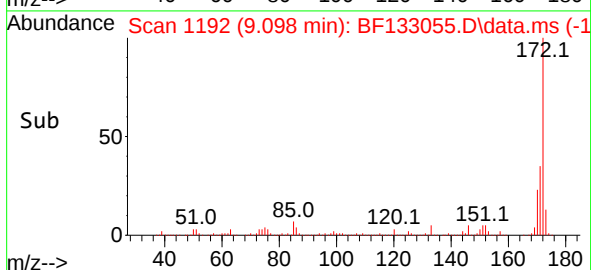
Reviewed By : Christian Giraldo 04/26/2023
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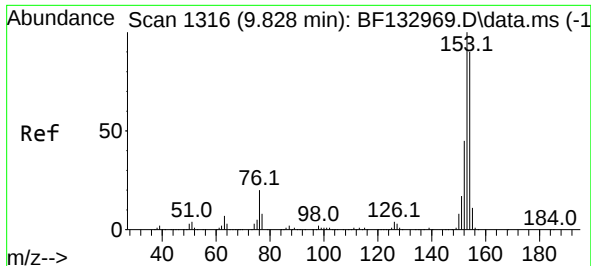


#45
2-Fluorobiphenyl
Concen: 15.831 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40



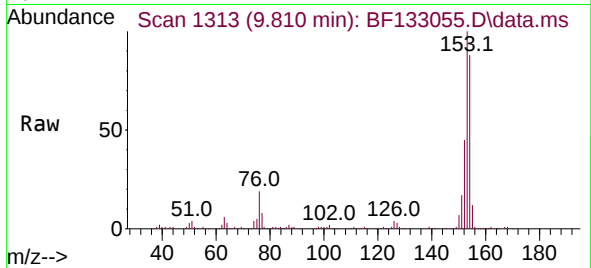
Tgt Ion: 172 Resp: 346956
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 22.7 19.4 29.2





#52
Acenaphthene
Concen: 2.283 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

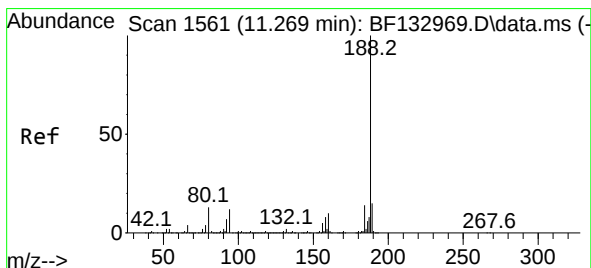
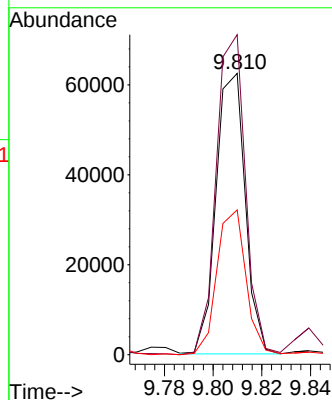
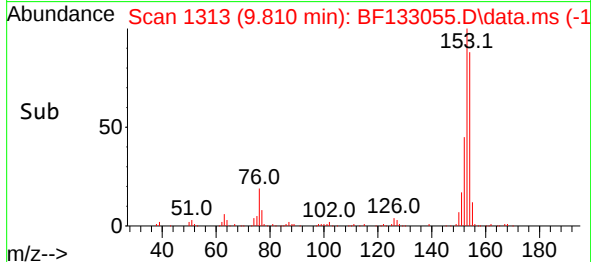
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411



Tgt Ion:154 Resp: 5198
Ion Ratio Lower Upper
154 100
153 113.8 89.0 133.6
152 51.5 40.4 60.6

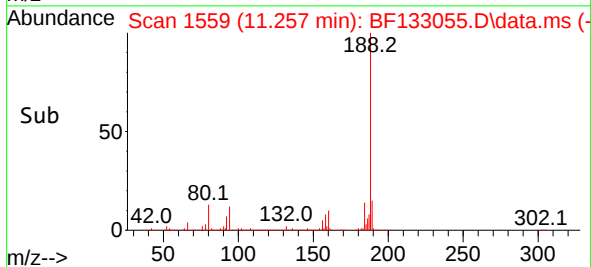
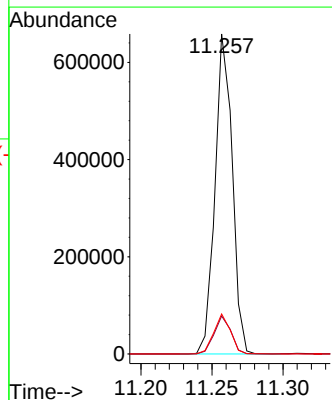
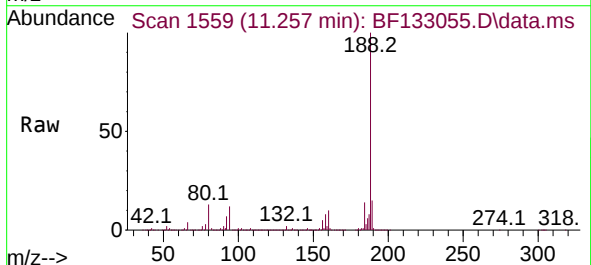
Manual Integrations
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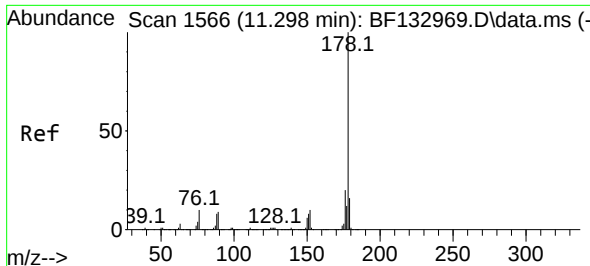
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion:188 Resp: 554148
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.5 10.4 15.6





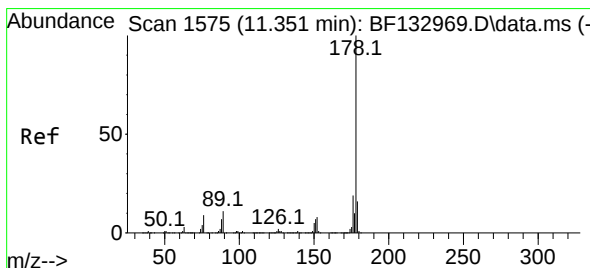
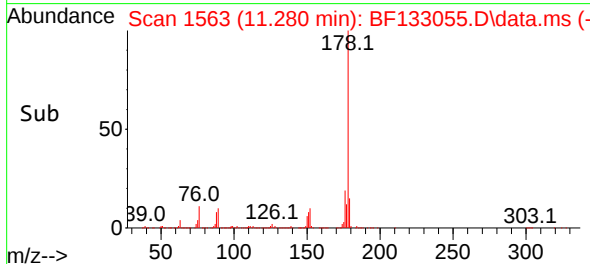
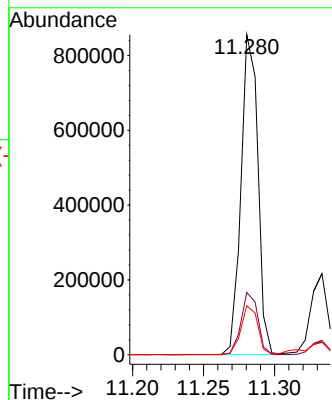
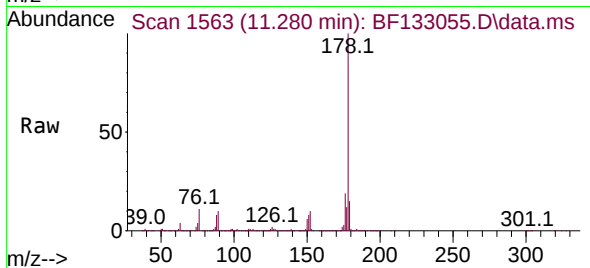
#71
Phenanthrene
Concen: 23.826 ng
RT: 11.280 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

Tgt Ion:178 Resp: 709625
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.3 12.5 18.7

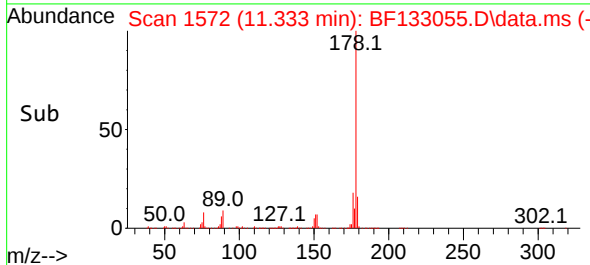
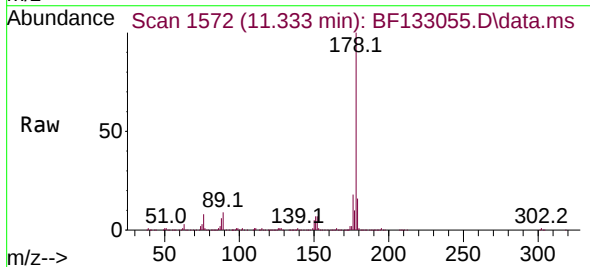
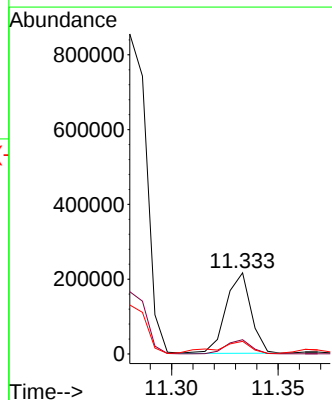
Manual Integrations
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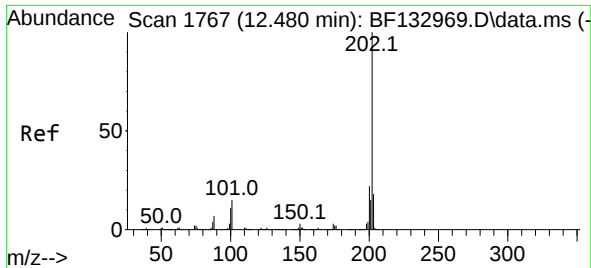
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#72
Anthracene
Concen: 5.806 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

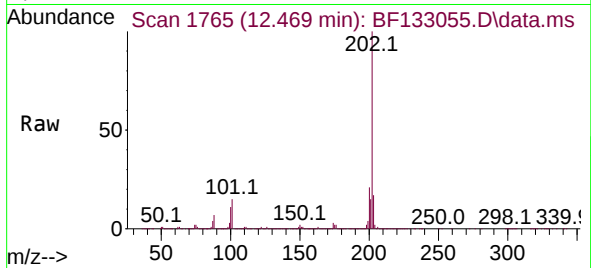
Tgt Ion:178 Resp: 176983
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 31.479 ng
RT: 12.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

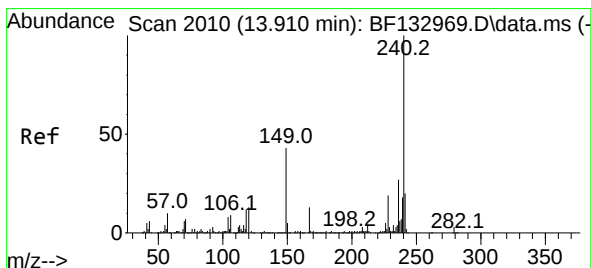
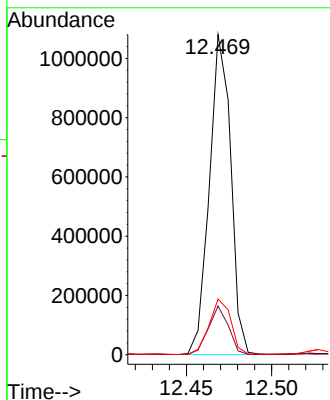
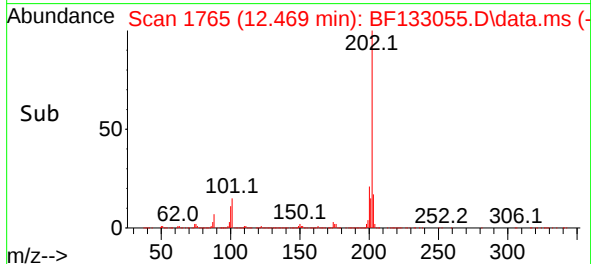
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411



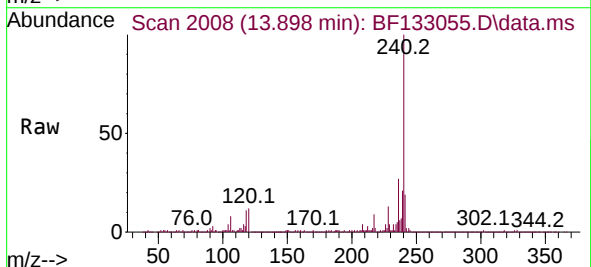
Tgt Ion:202 Resp: 94095
Ion Ratio Lower Upper
202 100
101 15.2 0.0 35.3
203 17.4 0.0 38.1

Manual Integrations
APPROVED

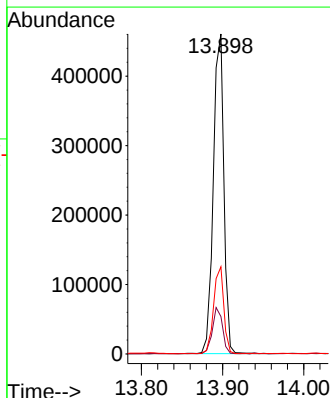
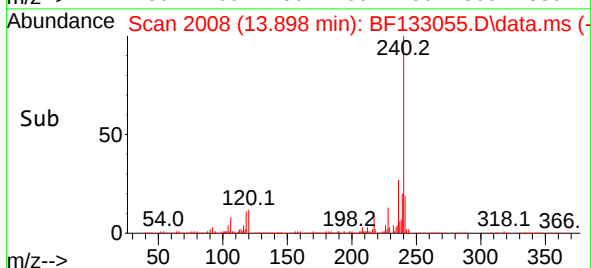
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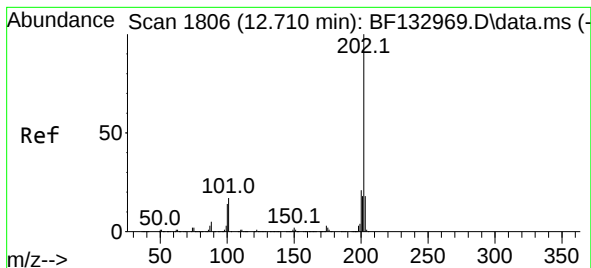


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40



Tgt Ion:240 Resp: 414526
Ion Ratio Lower Upper
240 100
120 11.7 10.5 15.7
236 27.3 21.5 32.3





#78

Pyrene

Concen: 26.589 ng

RT: 12.698 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Instrument :

BNA_F

ClientSampleId :

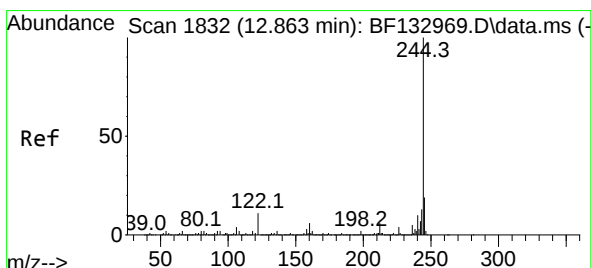
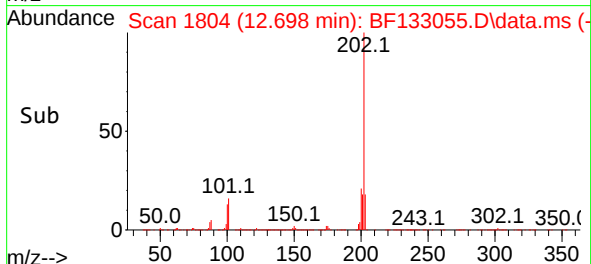
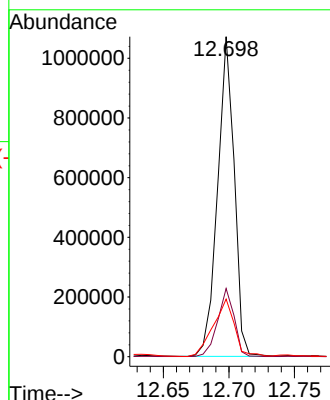
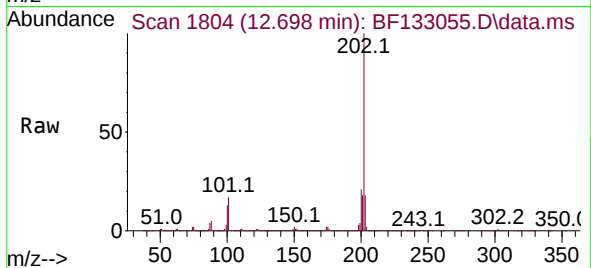
SB-25-0-2-20230411

Tgt Ion:202 Resp: 944820
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 18.0 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#79

Terphenyl-d14

Concen: 12.268 ng

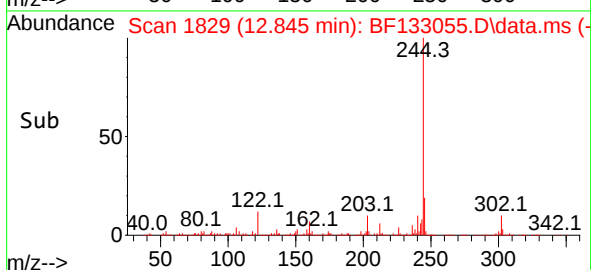
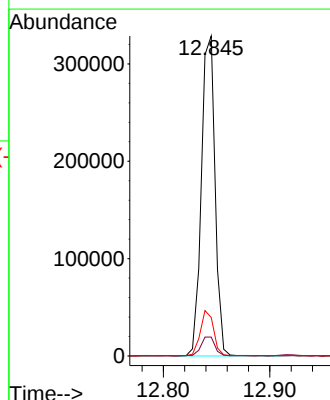
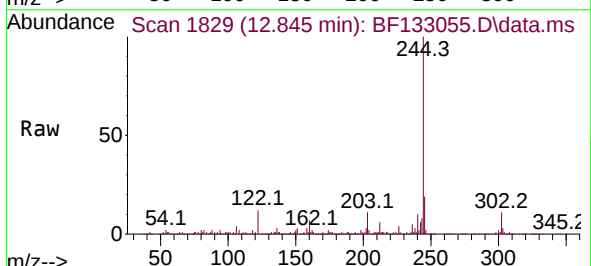
RT: 12.845 min Scan# 1829

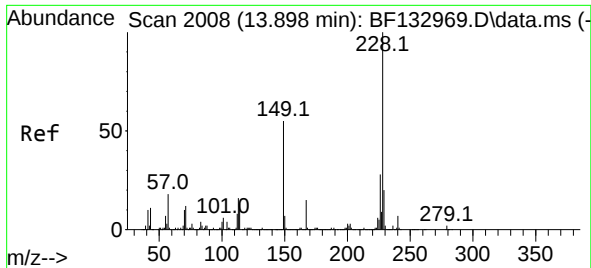
Delta R.T. -0.006 min

Lab File: BF133055.D

Acq: 26 Apr 2023 05:40

Tgt Ion:244 Resp: 294866
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.1 7.7
 122 12.0 8.6 13.0





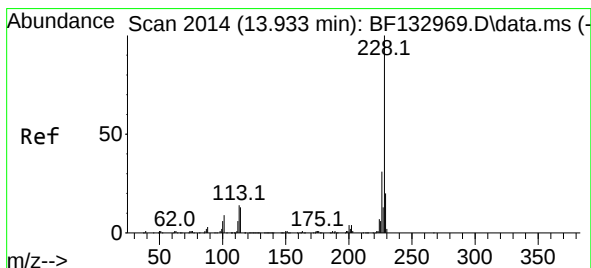
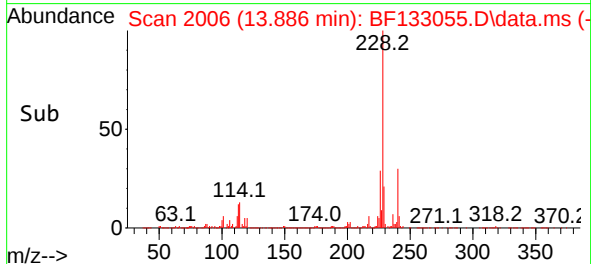
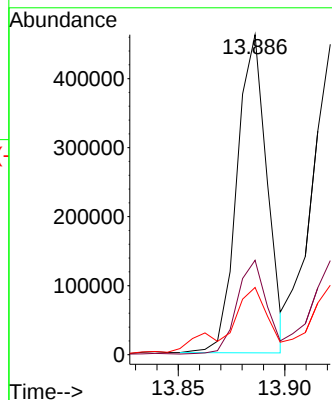
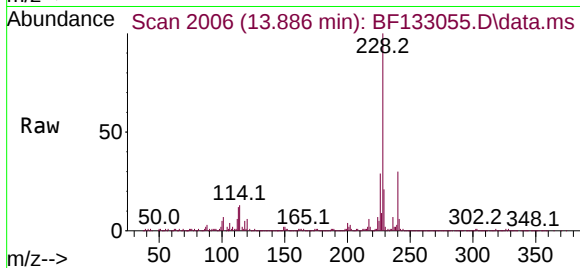
#81
Benzo(a)anthracene
Concen: 15.867 ng
RT: 13.886 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

Tgt Ion:228 Resp: 452295
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.4
229 21.0 16.0 24.0

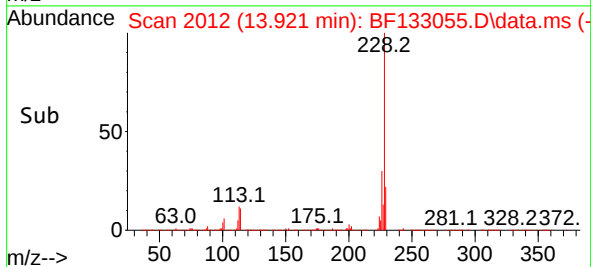
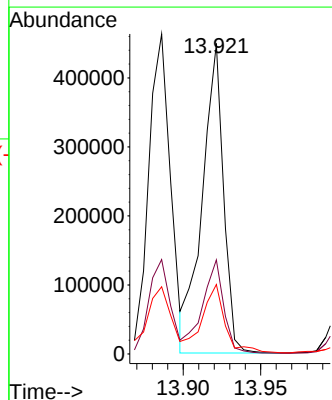
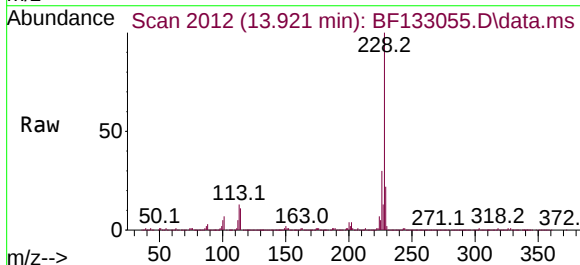
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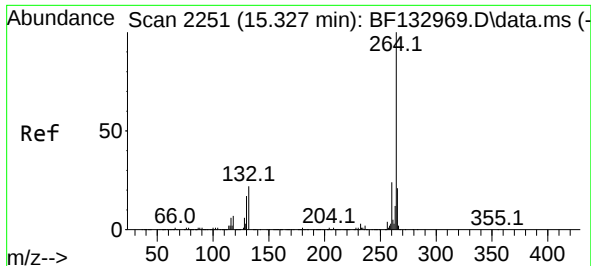
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#83
Chrysene
Concen: 15.029 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

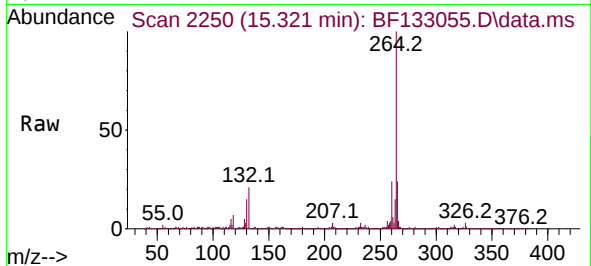
Tgt Ion:228 Resp: 428294
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 22.4 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

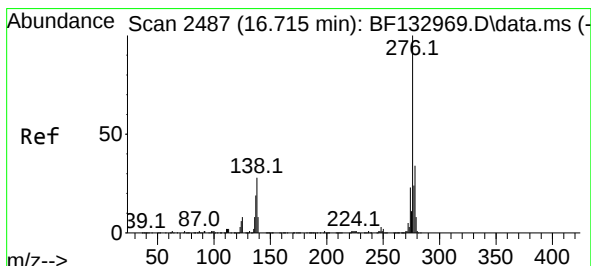
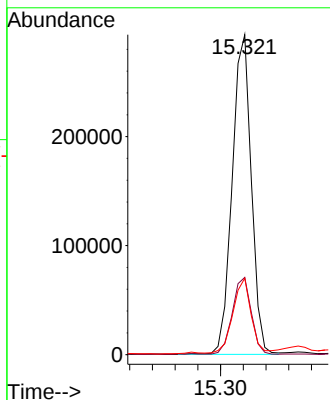
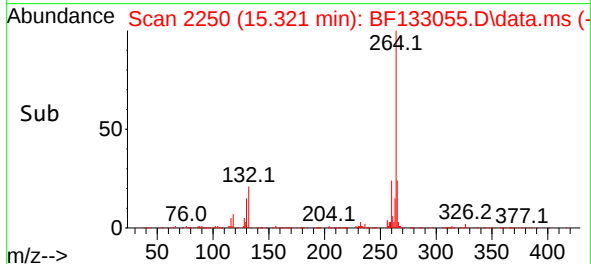
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411



Tgt Ion:264 Resp: 341980
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 23.9 17.0 25.4

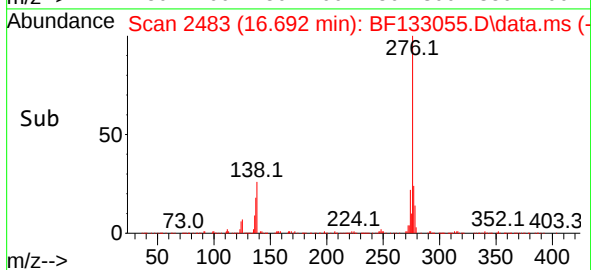
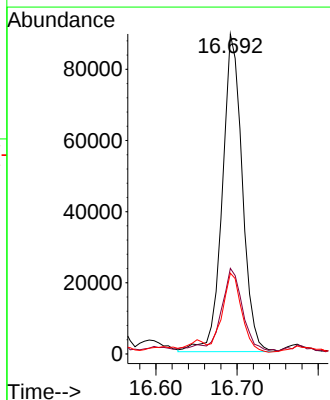
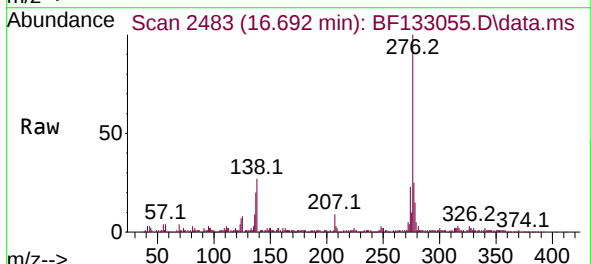
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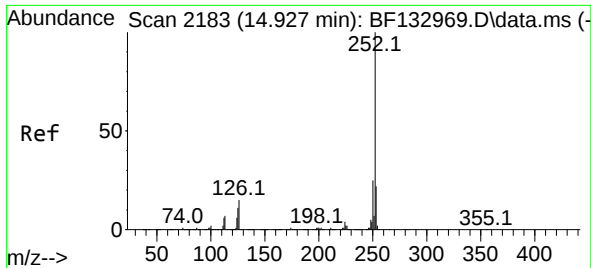
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.862 ng
RT: 16.692 min Scan# 2483
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

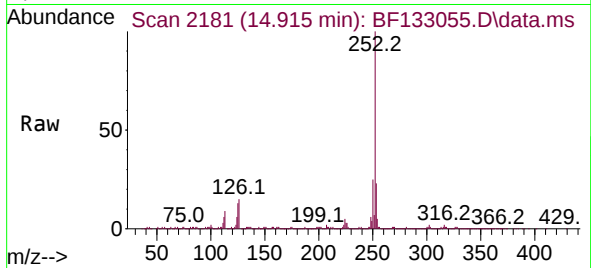
Tgt Ion:276 Resp: 152931
Ion Ratio Lower Upper
276 100
138 28.5 25.5 38.3
277 24.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 19.302 ng m
RT: 14.915 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

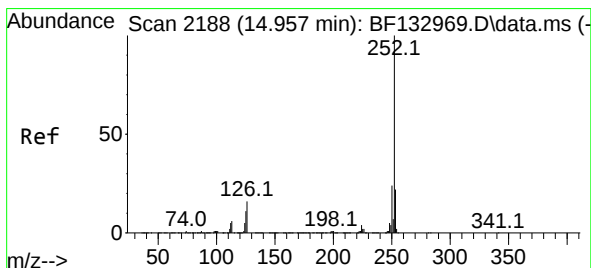
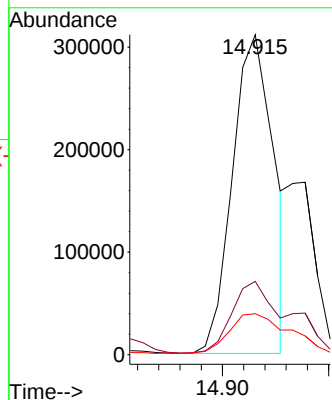
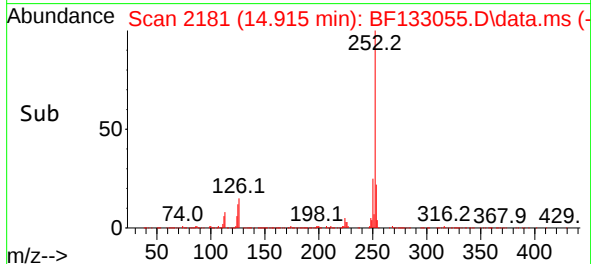
Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411



Tgt Ion:252 Resp: 419940
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 12.8 8.9 13.3

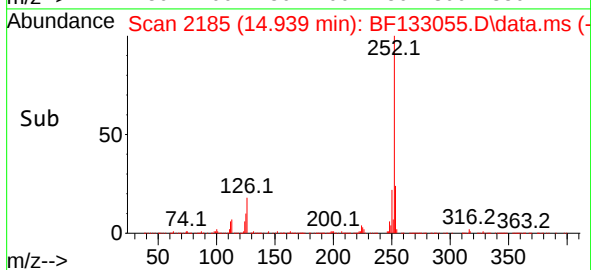
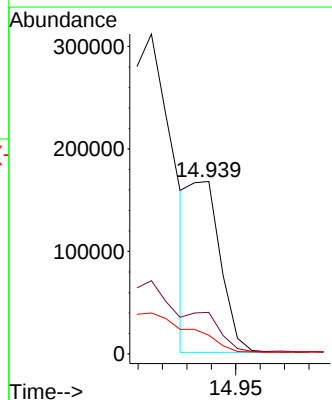
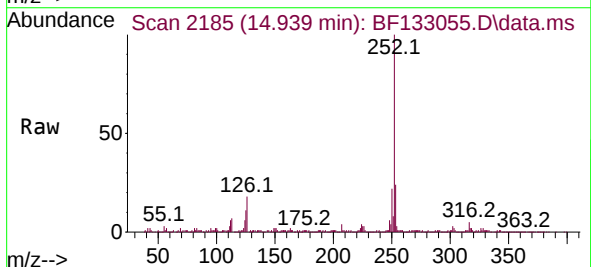
Manual Integrations
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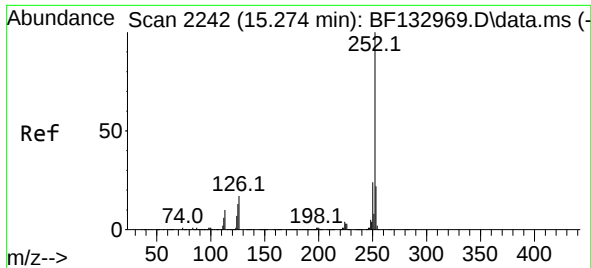
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#89
Benzo(k)fluoranthene
Concen: 6.929 ng m
RT: 14.939 min Scan# 2185
Delta R.T. 0.000 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Tgt Ion:252 Resp: 149436
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.8 9.0 13.4





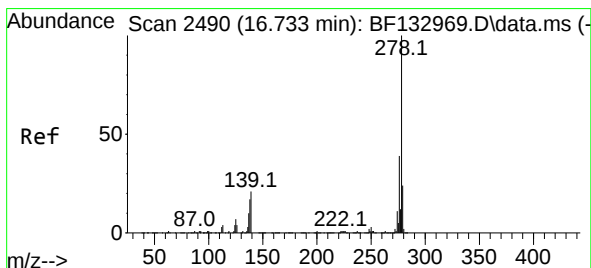
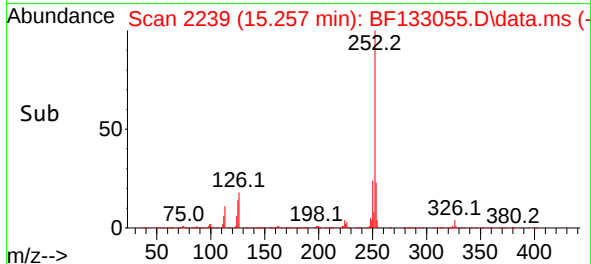
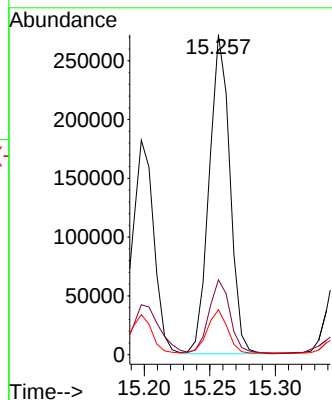
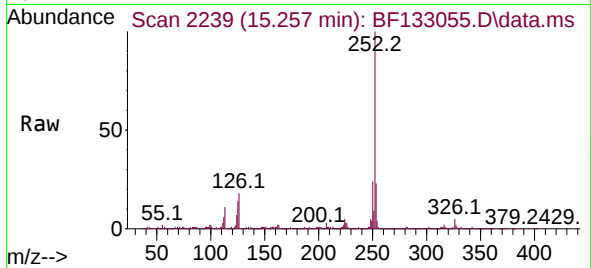
#90
Benzo(a)pyrene
Concen: 15.054 ng
RT: 15.257 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

Instrument :
BNA_F
ClientSampleId :
SB-25-0-2-20230411

Tgt Ion:252 Resp: 298110
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 14.1 10.5 15.7

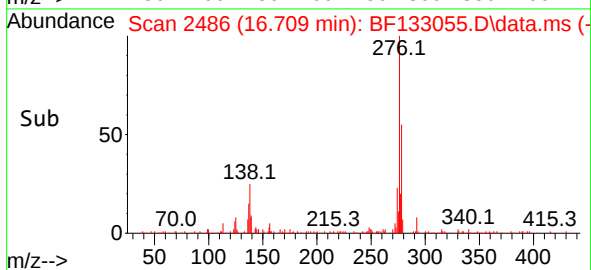
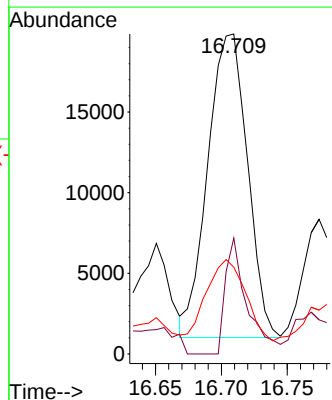
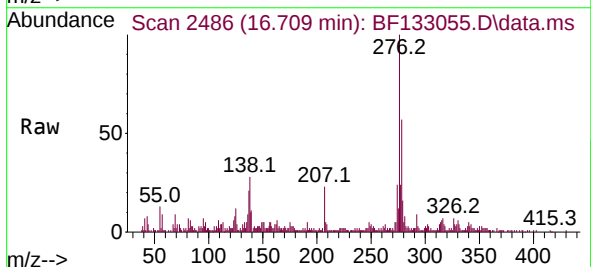
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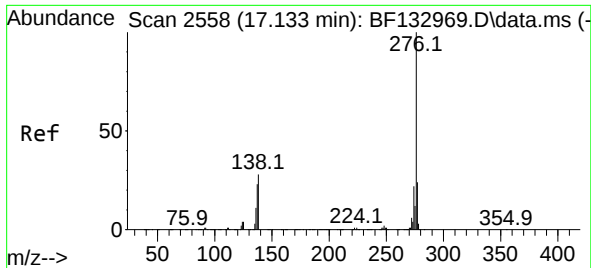
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.429 ng m
RT: 16.709 min Scan# 2486
Delta R.T. -0.012 min
Lab File: BF133055.D
Acq: 26 Apr 2023 05:40

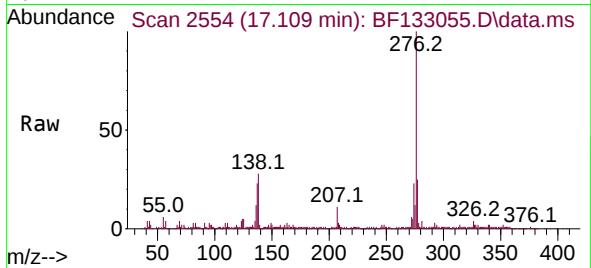
Tgt Ion:278 Resp: 39410
Ion Ratio Lower Upper
278 100
139 18.6 16.6 24.8
279 27.1 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.127 ng
 RT: 17.109 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF133055.D
 Acq: 26 Apr 2023 05:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-25-0-2-20230411



Tgt Ion: 276 Resp: 146194
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.4 29.0
 138 27.8 22.7 34.1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

