

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133044.D
 Acq On : 26 Apr 2023 00:02
 Operator : CG\JU
 Sample : 02270-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-0-2-20230411

Manual Integrations
 APPROVED

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

Quant Time: Apr 26 02:19:54 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	192243	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	751298	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	389338	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	672570	20.000	ng	# 0.00
76) Chrysene-d12	13.892	240	393814	20.000	ng	0.00
86) Perylene-d12	15.315	264	416458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1405990	110.480	ng	0.00
7) Phenol-d6	6.381	99	1746328	110.556	ng	0.00
23) Nitrobenzene-d5	7.304	82	1042781	74.918	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	429363	109.656	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1795995	77.175	ng	0.00
79) Terphenyl-d14	12.845	244	1823152	79.843	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.275	178	320159	8.857	ng	99
72) Anthracene	11.328	178	74208	2.006	ng	98
75) Fluoranthene	12.463	202	527830	14.549	ng	99
78) Pyrene	12.692	202	467059	13.835	ng	100
81) Benzo(a)anthracene	13.880	228	239581	8.847	ng	100
83) Chrysene	13.916	228	214293	7.915	ng	97
87) Indeno(1,2,3-cd)pyrene	16.680	276	120573	5.090	ng	93
88) Benzo(b)fluoranthene	14.904	252	299953m	11.321	ng	
89) Benzo(k)fluoranthene	14.927	252	97678m	3.719	ng	
90) Benzo(a)pyrene	15.251	252	204571	8.483	ng	99
92) Benzo(g,h,i)perylene	17.098	276	108622	5.569	ng	97

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

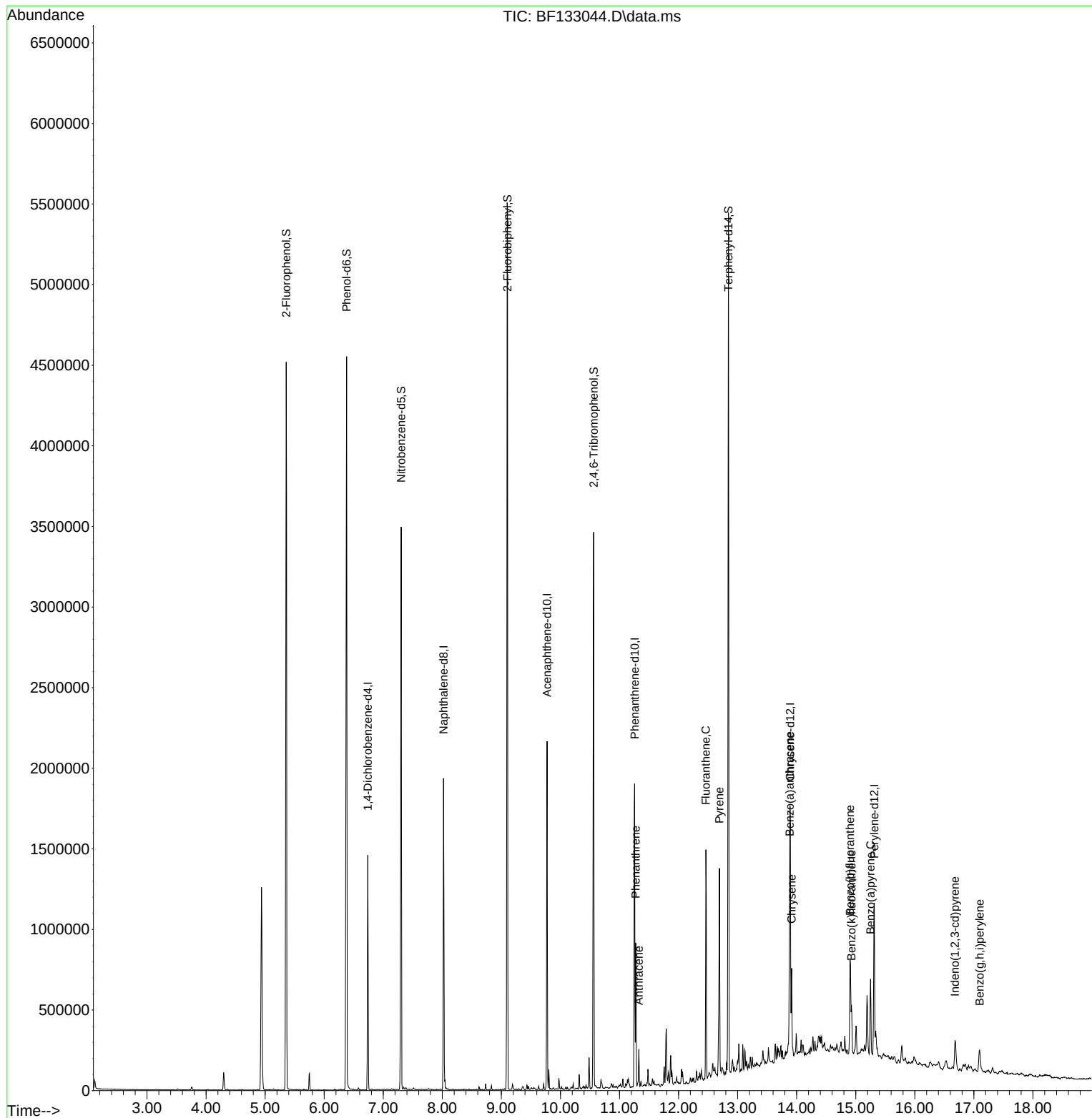
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133044.D
Acq On : 26 Apr 2023 00:02
Operator : CG\JU
Sample : 02270-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

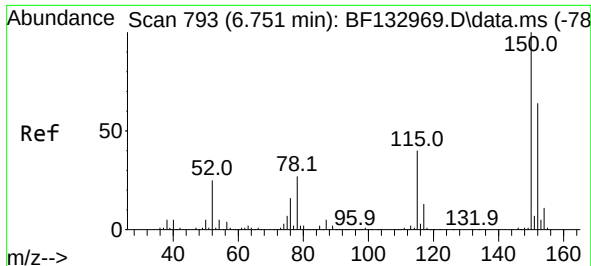
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

Quant Time: Apr 26 02:19:54 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

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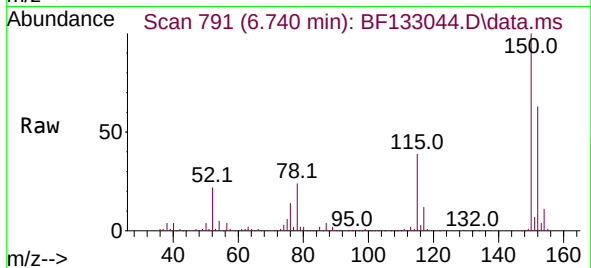
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

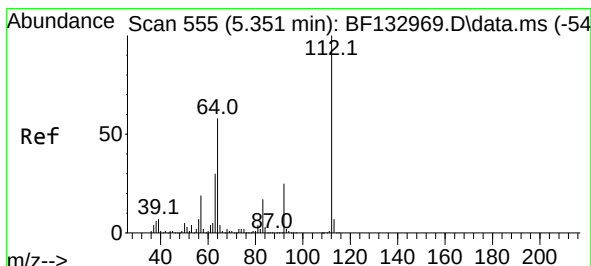
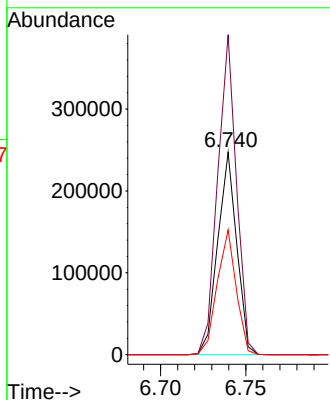
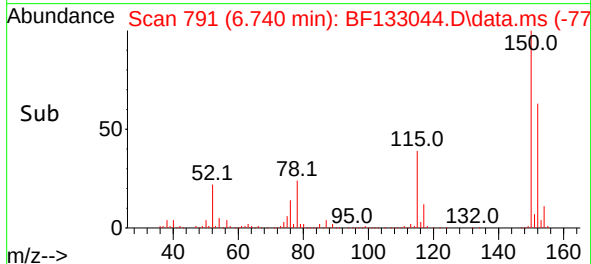
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411



Tgt Ion:152 Resp: 19224
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 61.7 49.9 74.9

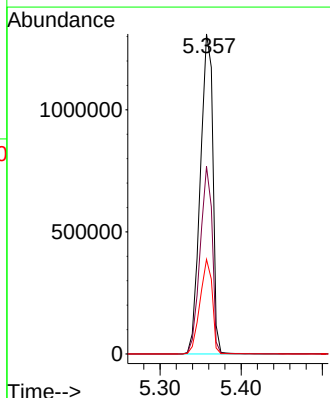
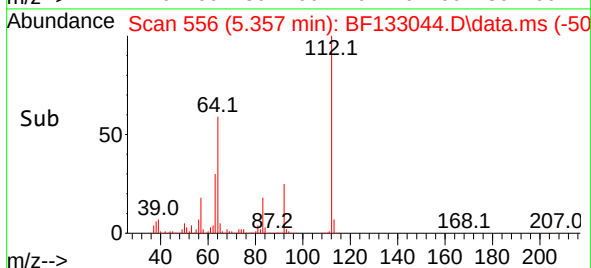
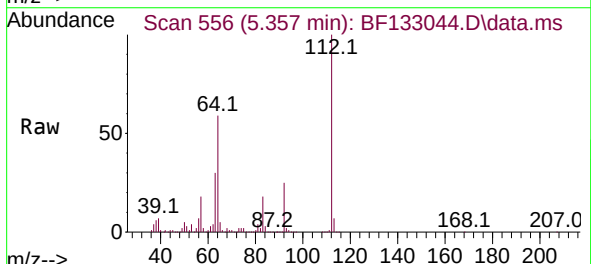
Manual Integrations
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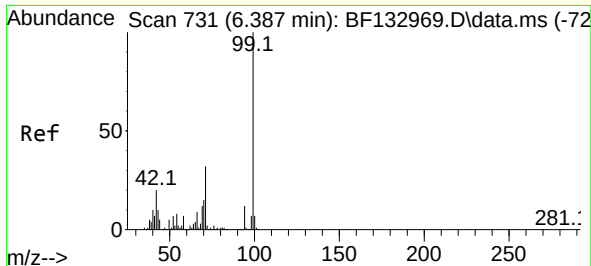
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#5
2-Fluorophenol
Concen: 110.480 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

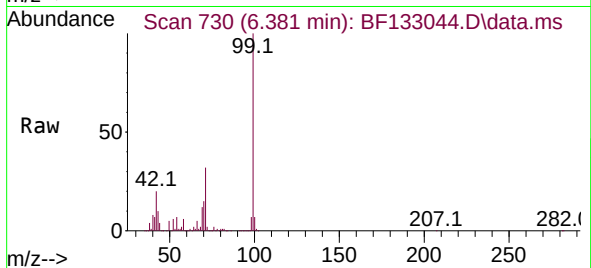
Tgt Ion:112 Resp: 1405990
Ion Ratio Lower Upper
112 100
64 58.6 46.8 70.2
63 29.5 23.8 35.8





#7
Phenol-d6
Concen: 110.556 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

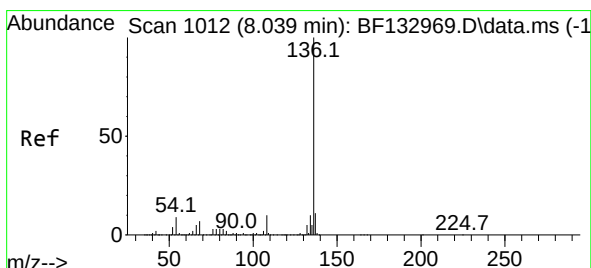
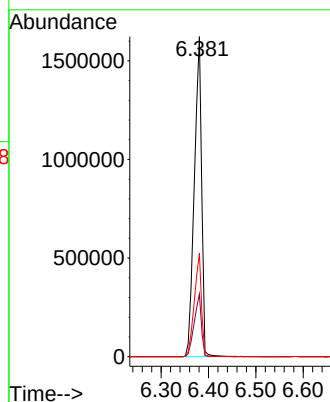
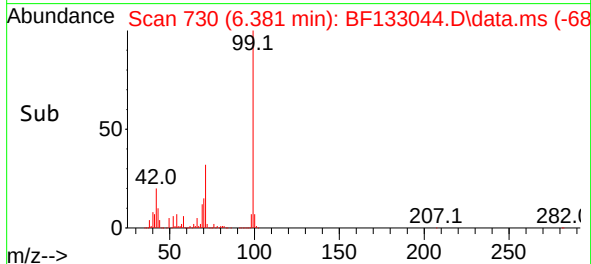
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411



Tgt Ion: 99 Resp: 1746328
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 32.3 25.6 38.4

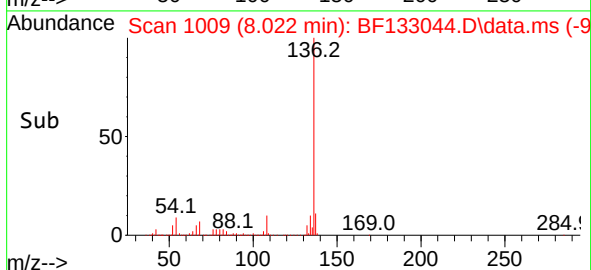
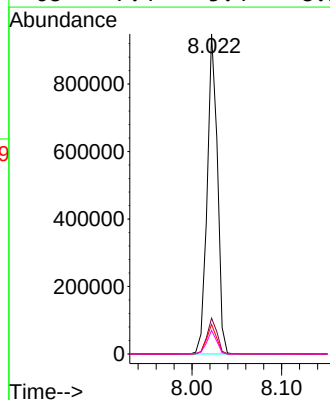
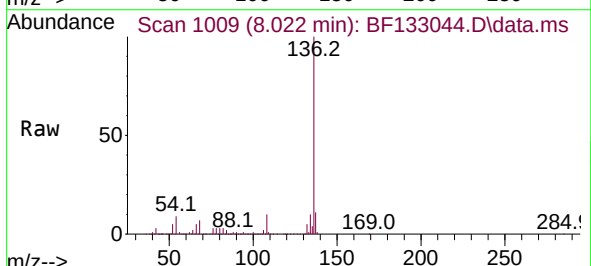
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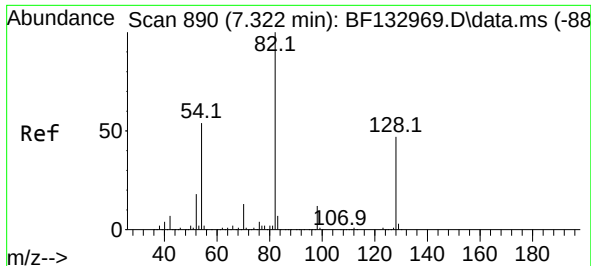
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion:136 Resp: 751298
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.3 7.0 10.4
68 7.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 74.918 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

Tgt Ion: 82 Resp: 104278

Ion Ratio Lower Upper

82 100

128 48.3 37.7 56.5

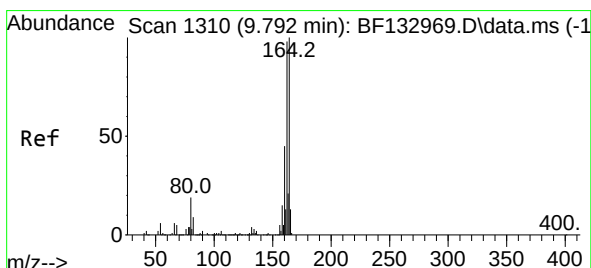
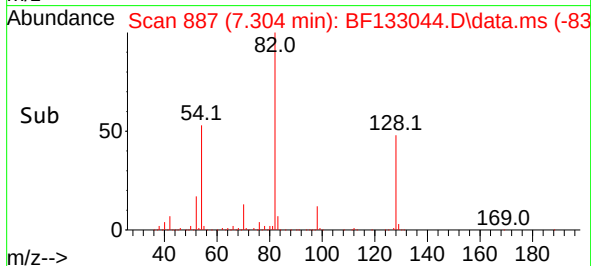
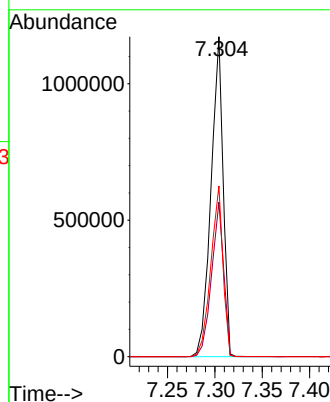
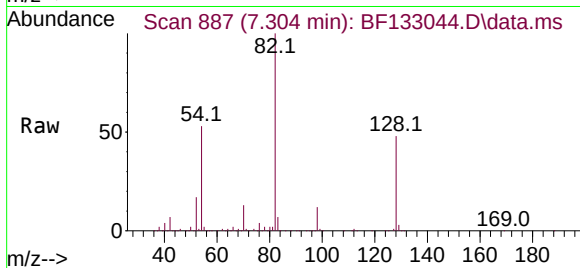
54 53.3 43.0 64.4

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: BF133044.D

Acq: 26 Apr 2023 00:02

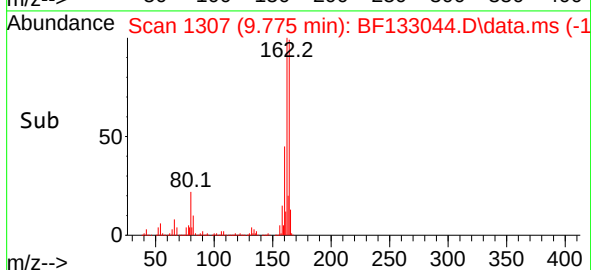
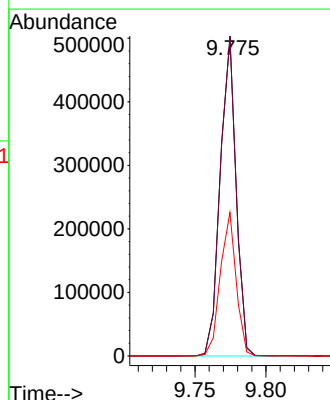
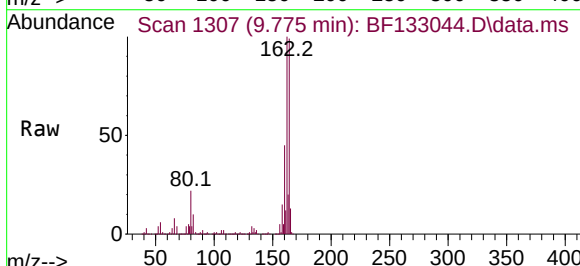
Tgt Ion:164 Resp: 389338

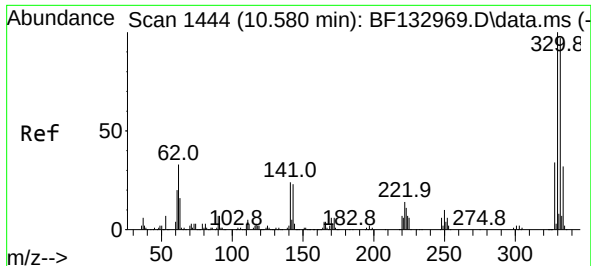
Ion Ratio Lower Upper

164 100

162 100.5 78.7 118.1

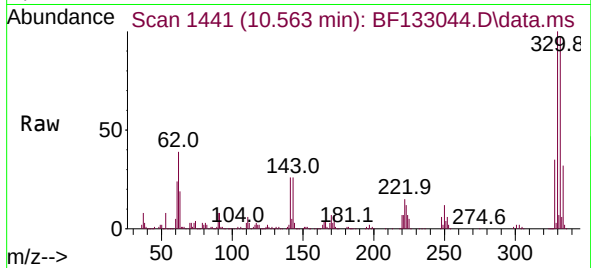
160 45.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 109.656 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

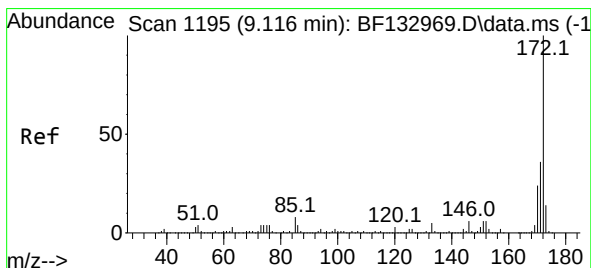
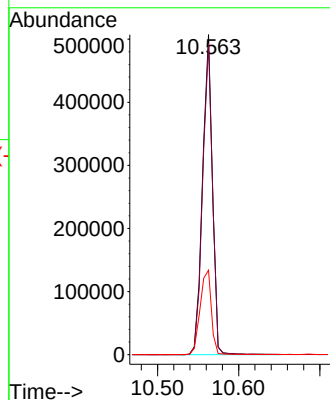
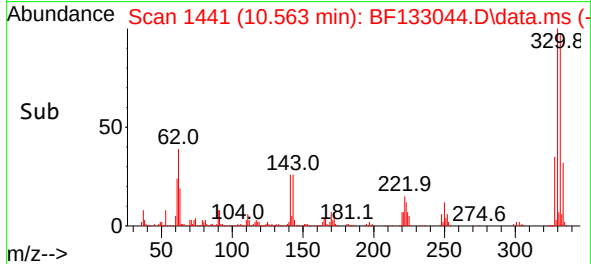
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411



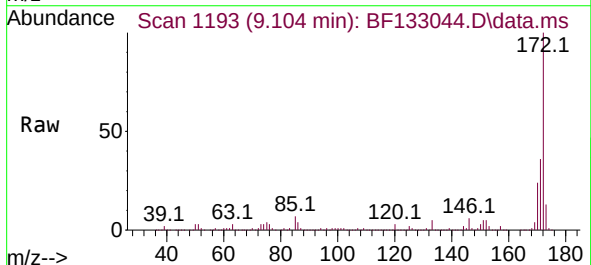
Tgt Ion:330 Resp: 42936
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 30.0 25.8 38.8

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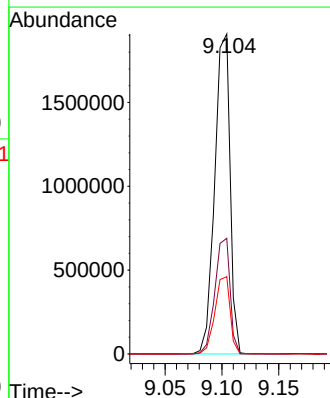
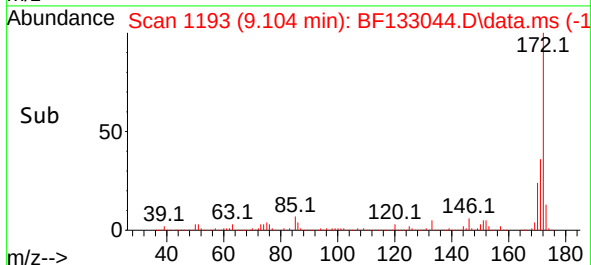
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

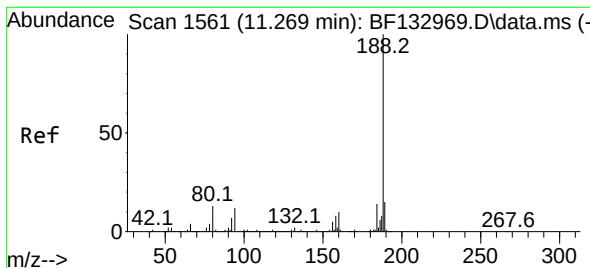


#45
2-Fluorobiphenyl
Concen: 77.175 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02



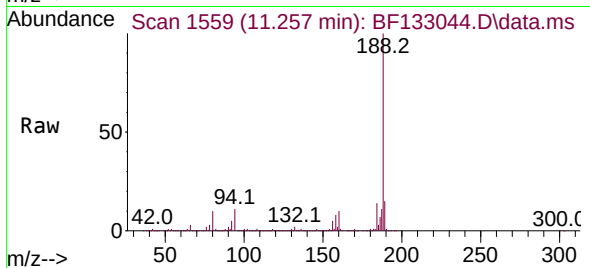
Tgt Ion:172 Resp: 1795995
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.2 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

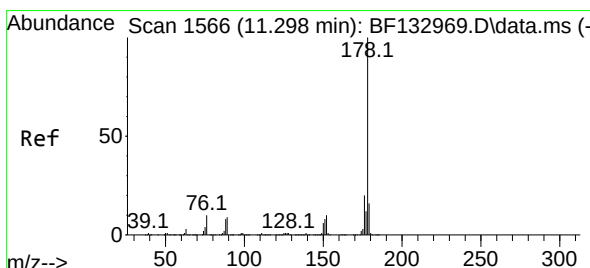
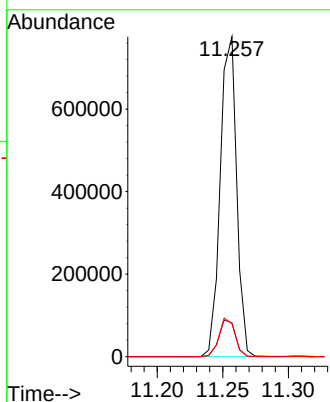
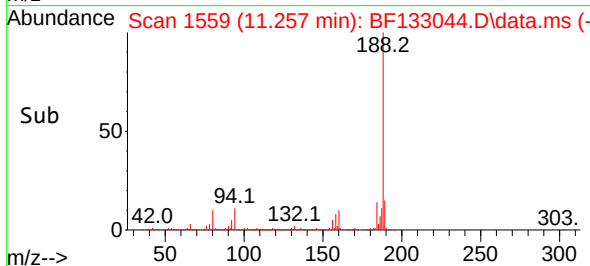
Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411



Tgt Ion:188 Resp: 672570
Ion Ratio Lower Upper
188 100
94 10.5 9.7 14.5
80 10.3 10.4 15.6

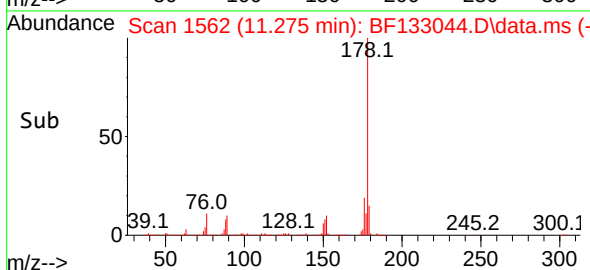
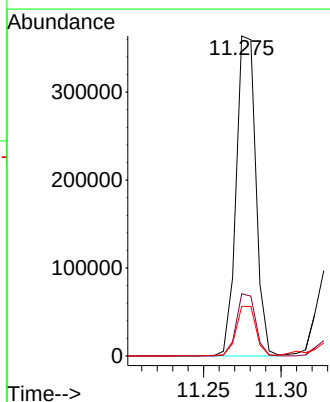
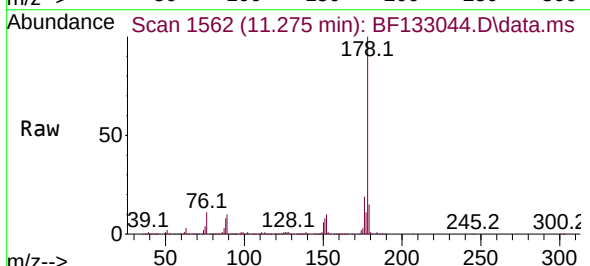
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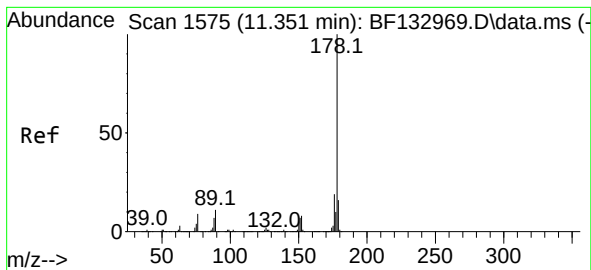
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#71
Phenanthrene
Concen: 8.857 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.012 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

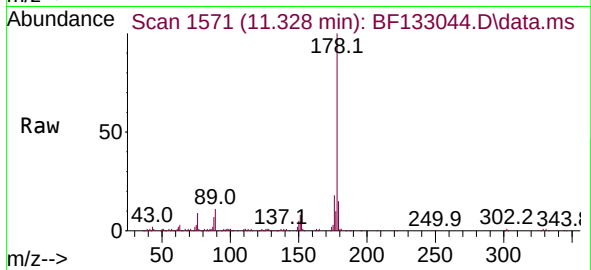
Tgt Ion:178 Resp: 320159
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.5 12.5 18.7





#72
 Anthracene
 Concen: 2.006 ng
 RT: 11.328 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02

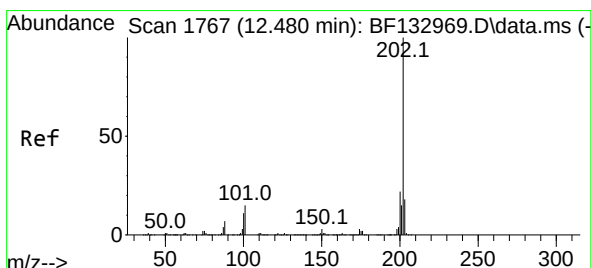
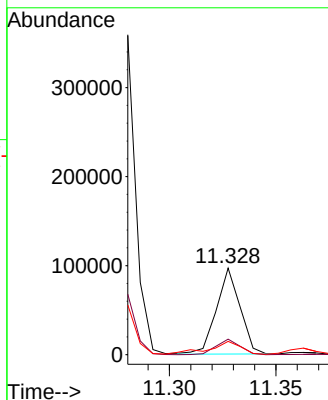
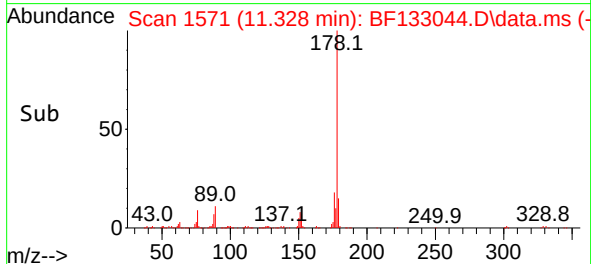
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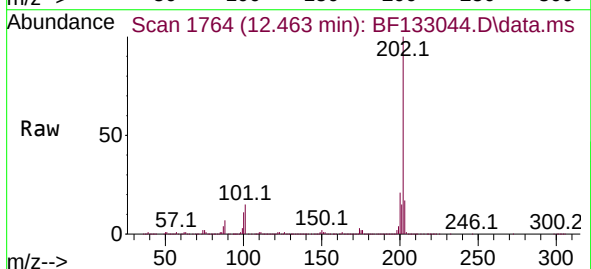
Tgt Ion:178 Resp: 74208
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.0
 179 15.3 12.4 18.6

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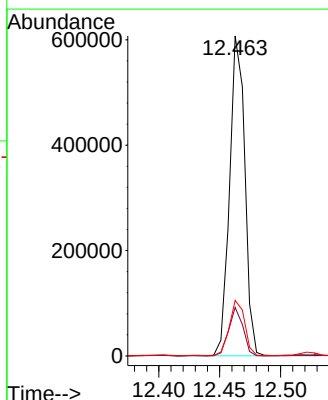
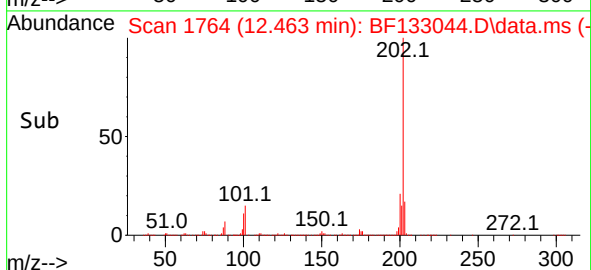
Reviewed By :Christian Giraldo 04/26/2023
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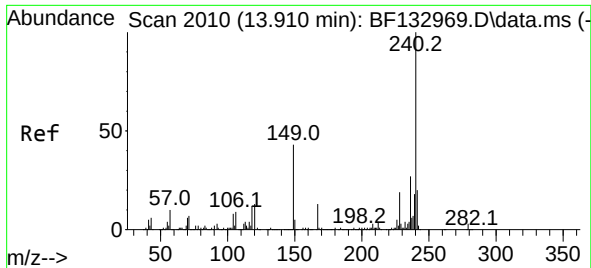


#75
 Fluoranthene
 Concen: 14.549 ng
 RT: 12.463 min Scan# 1764
 Delta R.T. -0.012 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02



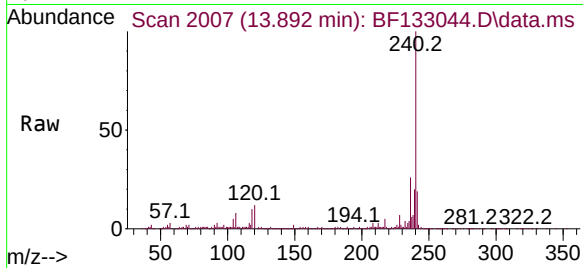
Tgt Ion:202 Resp: 527830
 Ion Ratio Lower Upper
 202 100
 101 15.2 0.0 35.3
 203 17.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

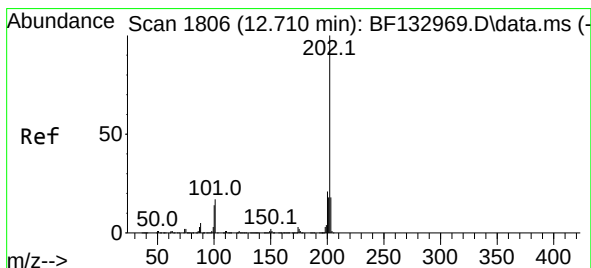
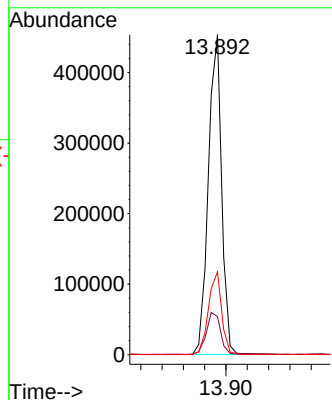
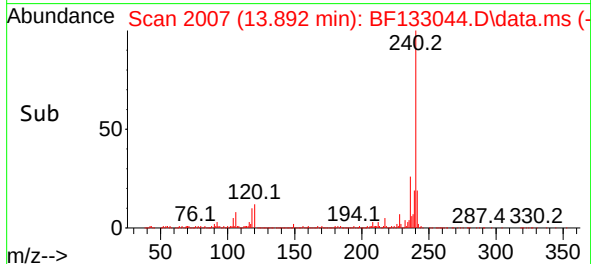
Instrument :
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Tgt Ion:240 Resp: 393814
Ion Ratio Lower Upper
240 100
120 11.9 10.5 15.7
236 25.9 21.5 32.3

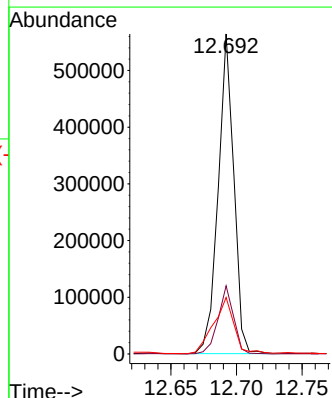
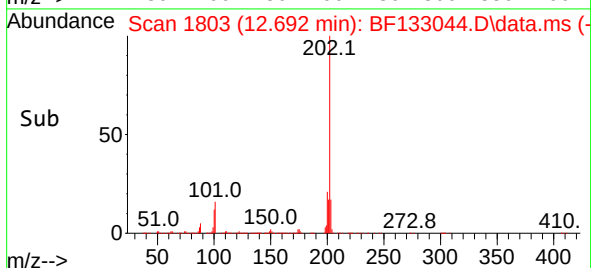
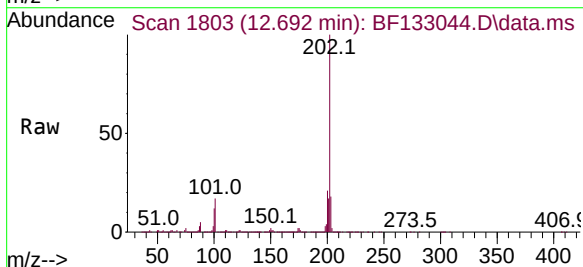
Manual Integrations
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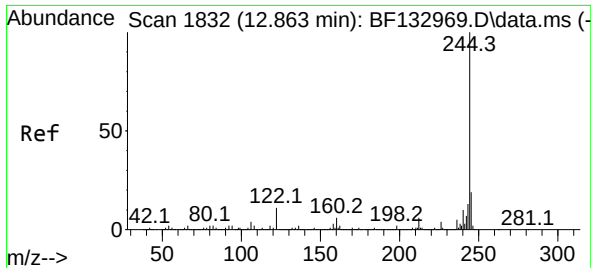
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#78
Pyrene
Concen: 13.835 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

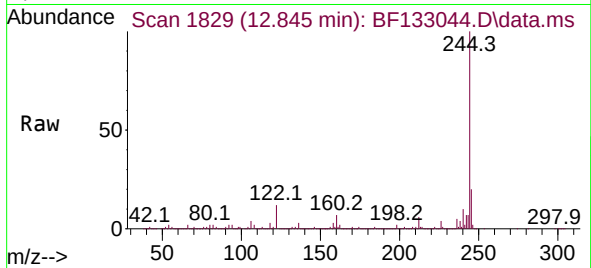
Tgt Ion:202 Resp: 467059
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.7 14.1 21.1





#79
 Terphenyl-d14
 Concen: 79.843 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02

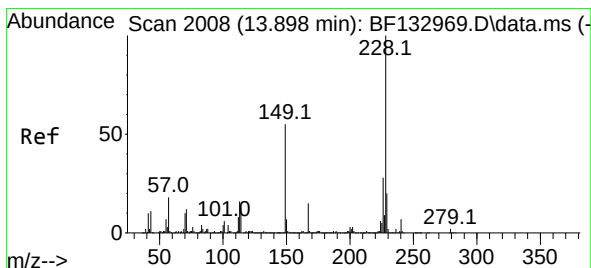
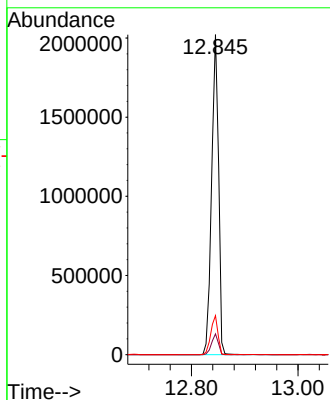
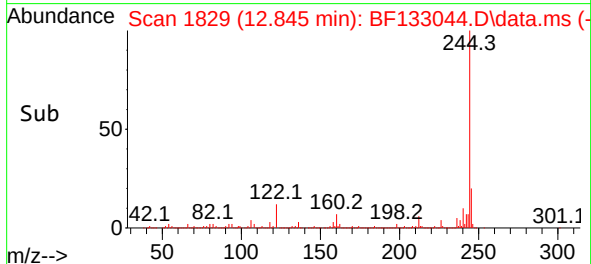
Instrument :
 BNA_F
 ClientSampleId :
 SB-19-0-2-20230411



Tgt Ion:244 Resp: 182315
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 12.2 8.6 13.0

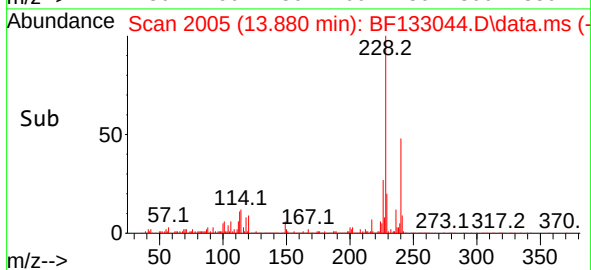
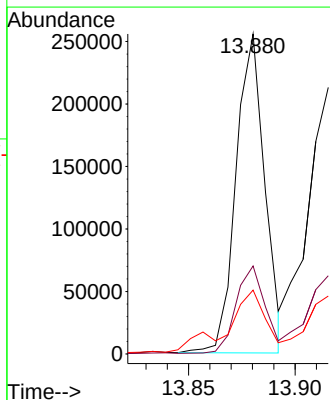
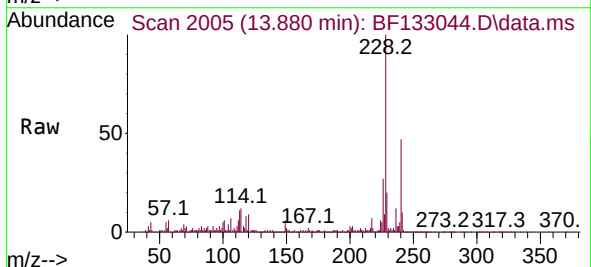
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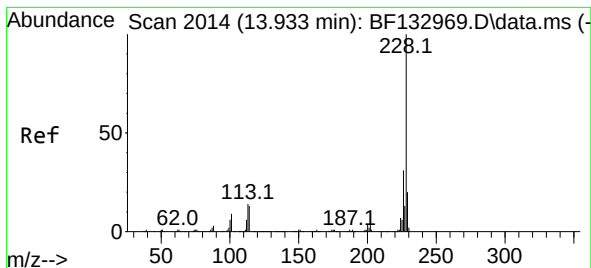
Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#81
 Benzo(a)anthracene
 Concen: 8.847 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.006 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02

Tgt Ion:228 Resp: 239581
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.2 33.4
 229 20.0 16.0 24.0





#83

Chrysene

Concen: 7.915 ng

RT: 13.916 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

Tgt Ion:228 Resp: 21429

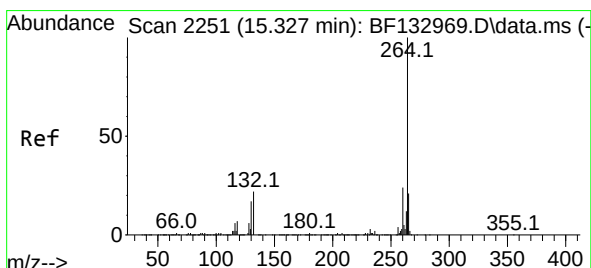
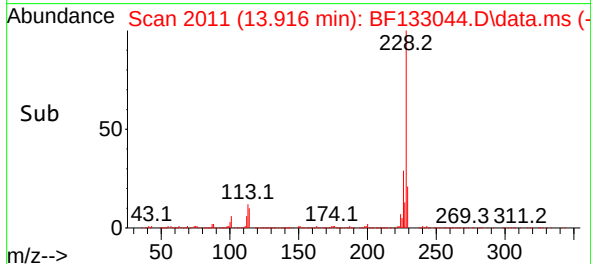
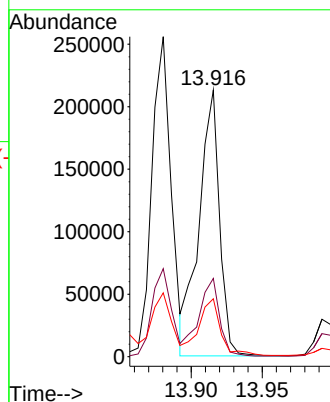
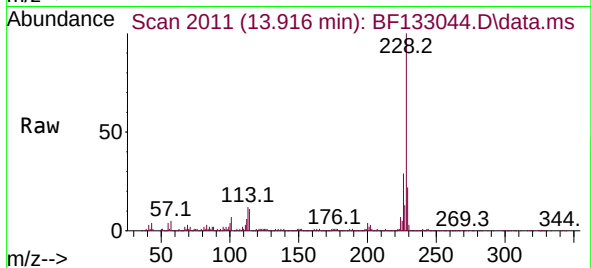
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.7	37.1
229	21.7	16.1	24.1

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Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 2249

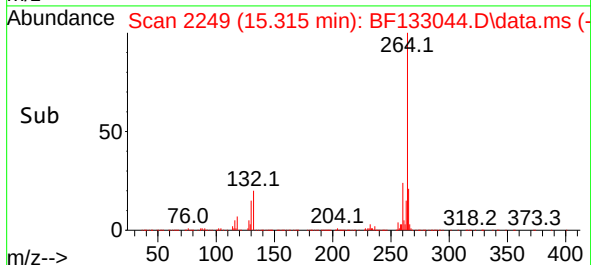
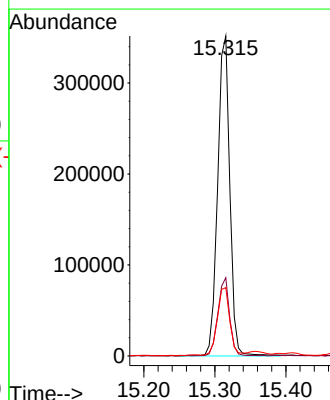
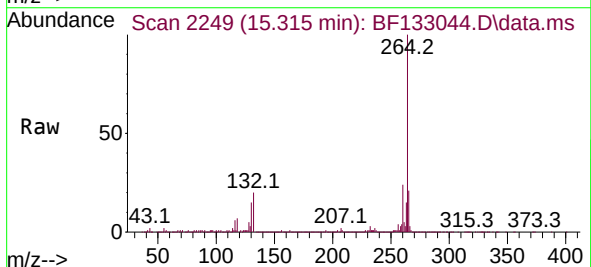
Delta R.T. 0.000 min

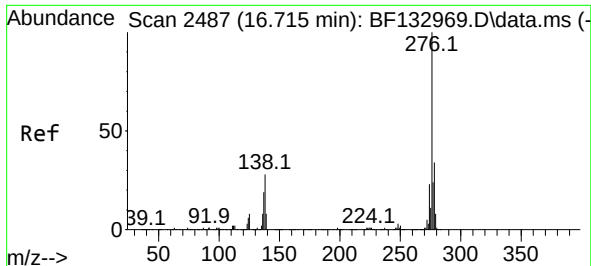
Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Tgt Ion:264 Resp: 416458

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	21.4	17.0	25.4





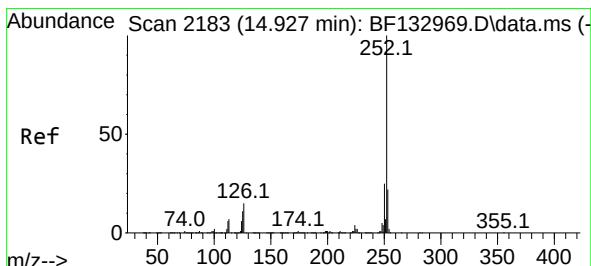
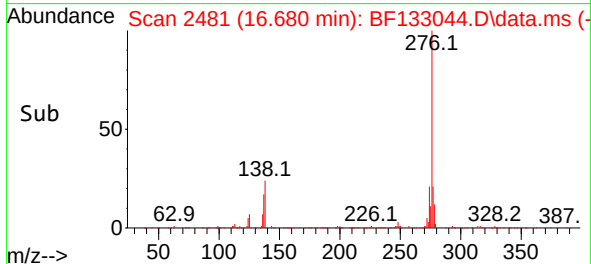
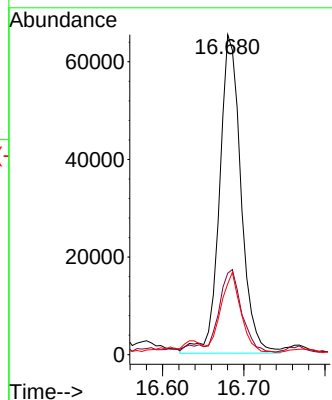
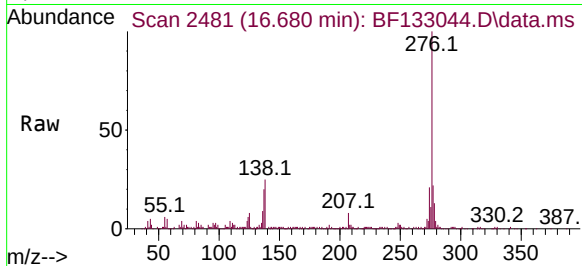
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.090 ng
RT: 16.680 min Scan# 2487
Delta R.T. -0.023 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Instrument :
BNA_F
ClientSampleId :
SB-19-0-2-20230411

Tgt Ion: 276 Resp: 12057
Ion Ratio Lower Upper
276 100
138 26.5 25.5 38.3
277 23.1 20.4 30.6

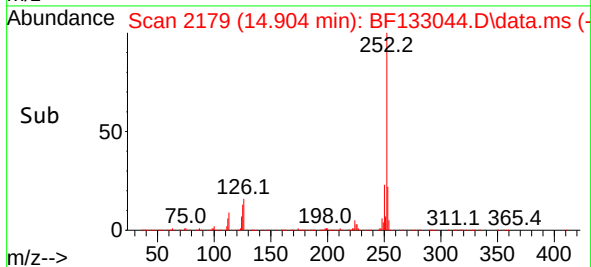
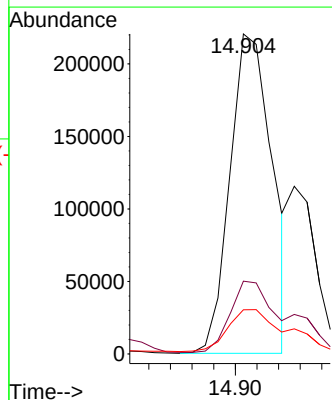
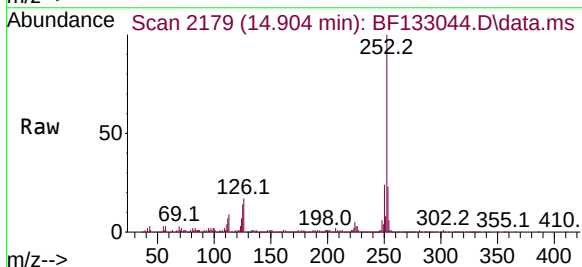
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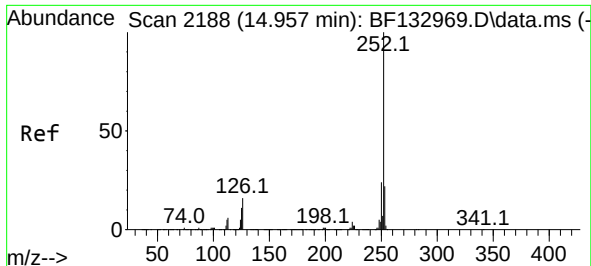
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023



#88
Benzo(b)fluoranthene
Concen: 11.321 ng m
RT: 14.904 min Scan# 2179
Delta R.T. -0.012 min
Lab File: BF133044.D
Acq: 26 Apr 2023 00:02

Tgt Ion: 252 Resp: 299953
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.8 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 3.719 ng m

RT: 14.927 min Scan# 2188

Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

Instrument :

BNA_F

ClientSampleId :

SB-19-0-2-20230411

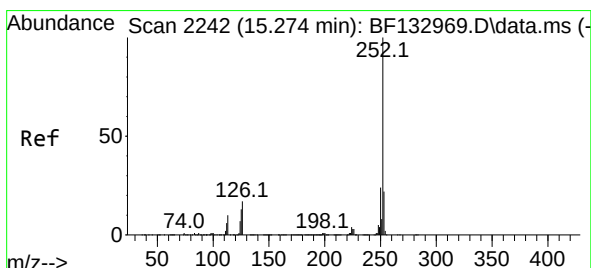
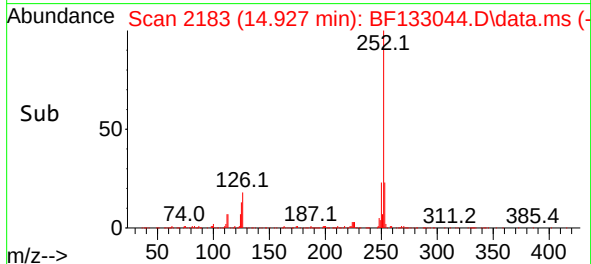
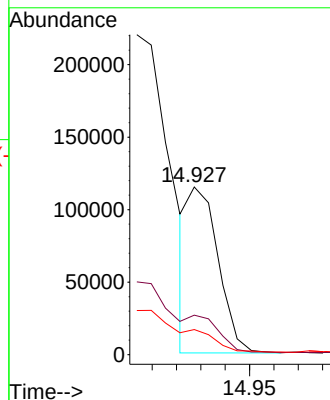
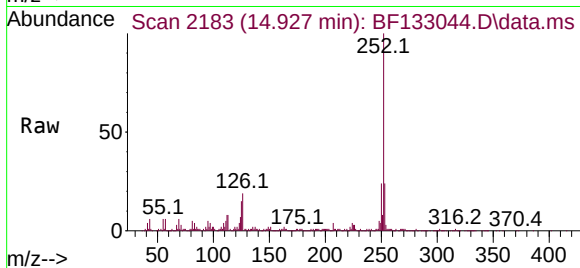
Tgt Ion:252 Resp: 97678
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.7 26.5
 125 15.0 9.0 13.4

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Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#90

Benzo(a)pyrene

Concen: 8.483 ng

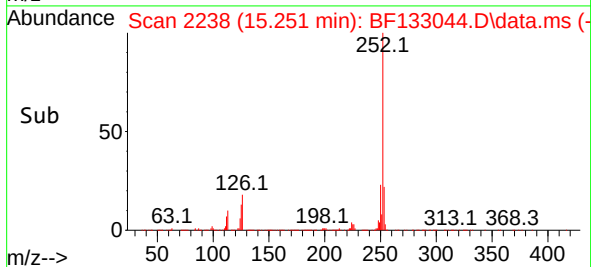
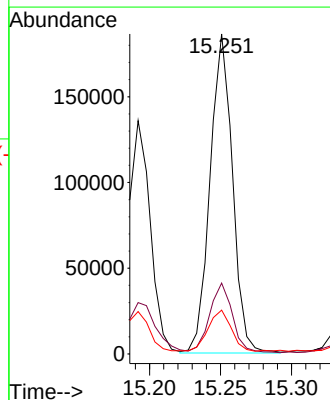
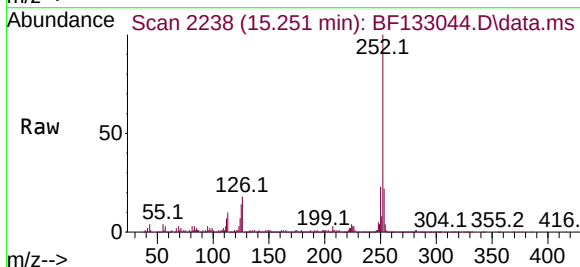
RT: 15.251 min Scan# 2238

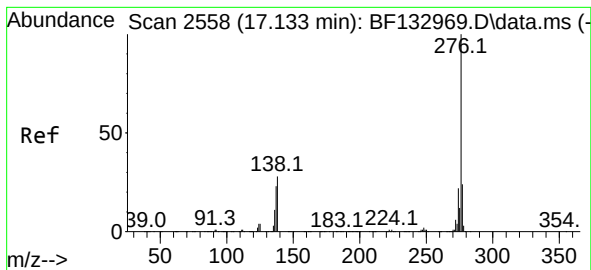
Delta R.T. -0.012 min

Lab File: BF133044.D

Acq: 26 Apr 2023 00:02

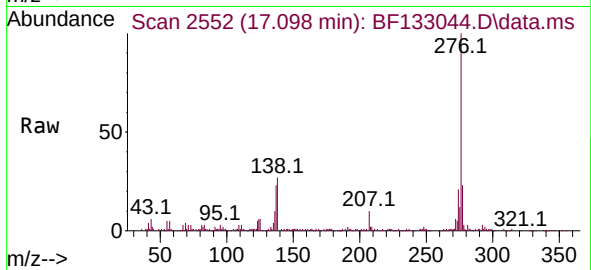
Tgt Ion:252 Resp: 204571
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.7 26.5
 125 13.7 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 5.569 ng
 RT: 17.098 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF133044.D
 Acq: 26 Apr 2023 00:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-0-2-20230411



Tgt Ion: 276 Resp: 10862
 Ion Ratio Lower Upper
 276 100
 277 23.3 19.4 29.0
 138 26.5 22.7 34.1

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

