

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133045.D
 Acq On : 26 Apr 2023 00:32
 Operator : CG\JU
 Sample : 02390-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPC-2WC-23-04-17

Quant Time: Apr 26 02:20:18 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	203467	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	784026	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	400451	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	651600	20.000	ng	0.00
76) Chrysene-d12	13.892	240	400345	20.000	ng	0.00
86) Perylene-d12	15.315	264	410830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1198459	88.978	ng	0.00
7) Phenol-d6	6.381	99	1493191	89.316	ng	0.00
23) Nitrobenzene-d5	7.304	82	934378	64.328	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	352289	87.475	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1594290	66.606	ng	-0.01
79) Terphenyl-d14	12.845	244	1397360	60.198	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.280	178	70812	2.022	ng	99
75) Fluoranthene	12.463	202	138782	3.948	ng	100
78) Pyrene	12.692	202	137270	4.000	ng	98
81) Benzo(a)anthracene	13.880	228	66744m	2.424	ng	
83) Chrysene	13.915	228	78612	2.856	ng	97
84) Bis(2-ethylhexyl)phtha...	13.886	149	70785	4.641	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.692	276	48983	2.096	ng	94
88) Benzo(b)fluoranthene	14.909	252	115772m	4.430	ng	
90) Benzo(a)pyrene	15.251	252	67803	2.850	ng	# 88
92) Benzo(g,h,i)perylene	17.103	276	47856	2.487	ng	94

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

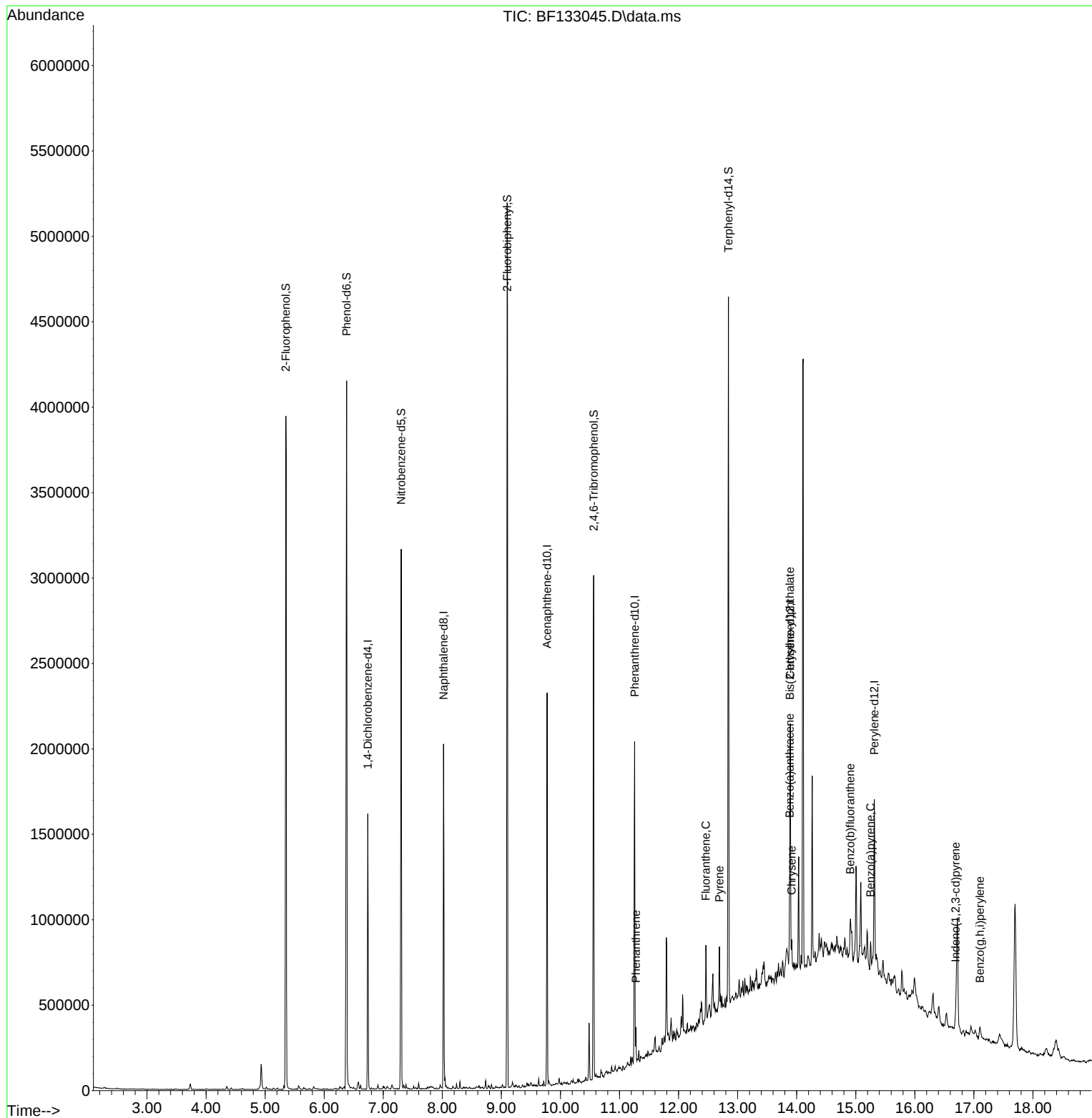
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
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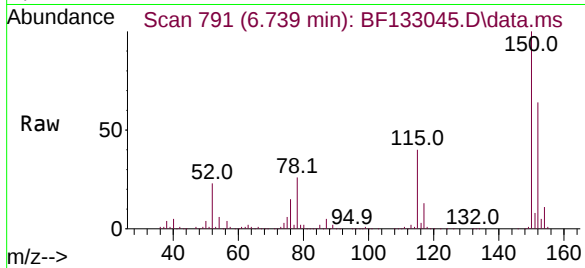
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133045.D
 Acq: 26 Apr 2023 00:32

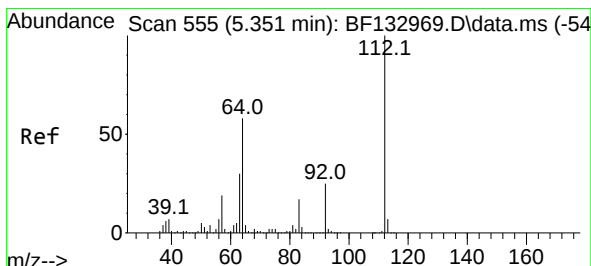
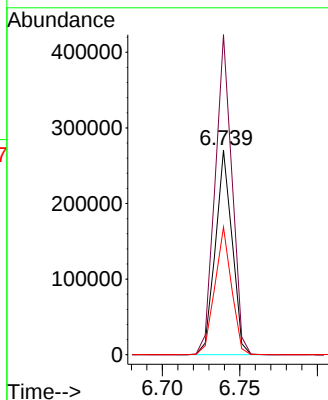
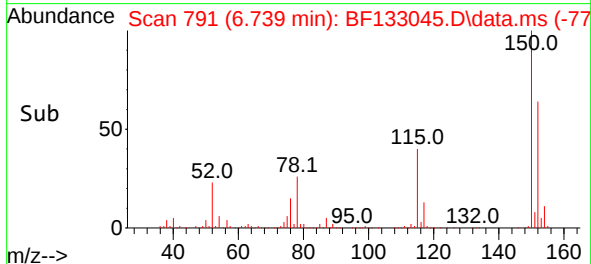
Instrument :
 BNA_F
 ClientSampleId :
 SPC-2WC-23-04-17



Tgt Ion:152 Resp: 20346
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.8 187.2
 115 62.3 49.9 74.9

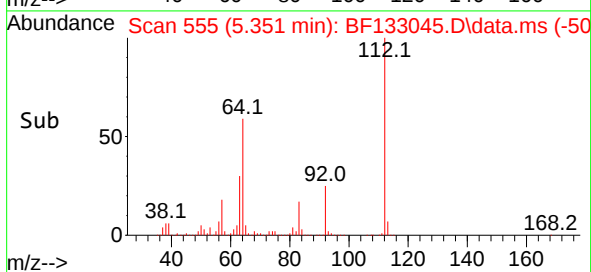
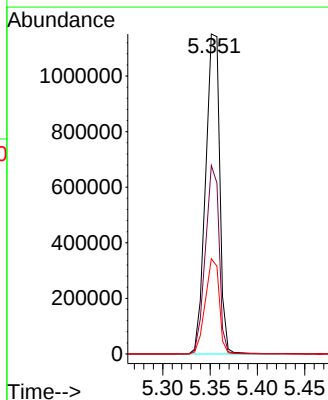
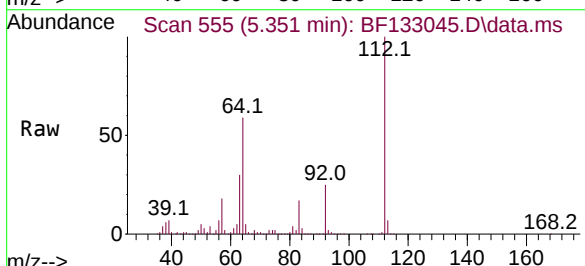
Manual Integrations
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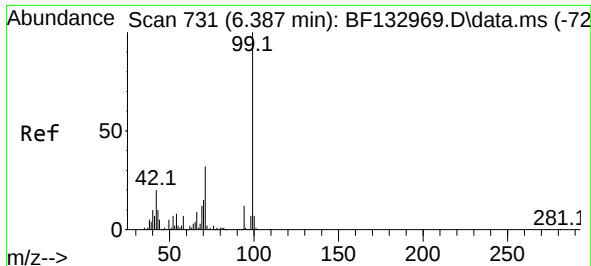
Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#5
 2-Fluorophenol
 Concen: 88.978 ng
 RT: 5.351 min Scan# 555
 Delta R.T. 0.000 min
 Lab File: BF133045.D
 Acq: 26 Apr 2023 00:32

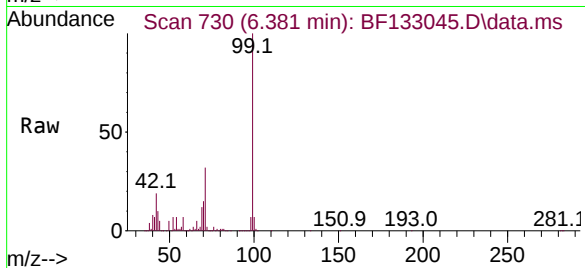
Tgt Ion:112 Resp: 1198459
 Ion Ratio Lower Upper
 112 100
 64 58.9 46.8 70.2
 63 29.7 23.8 35.8





#7
Phenol-d6
Concen: 89.316 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

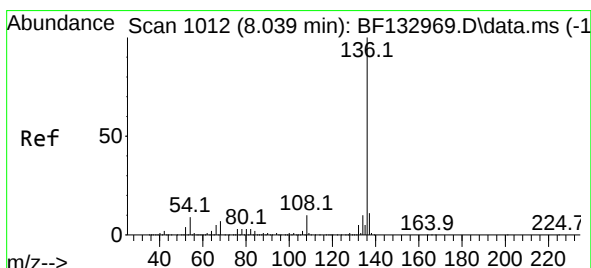
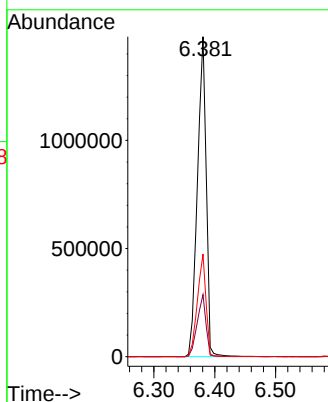
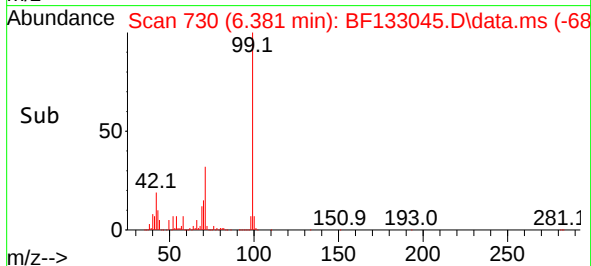
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17



Tgt Ion: 99 Resp: 149319
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 32.0 25.6 38.4

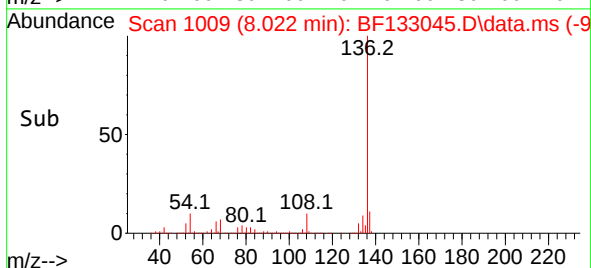
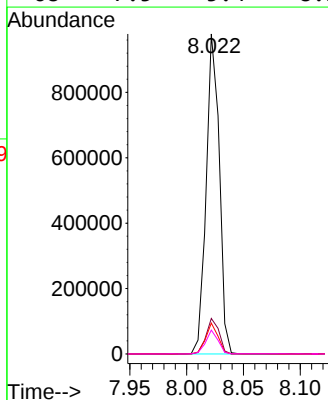
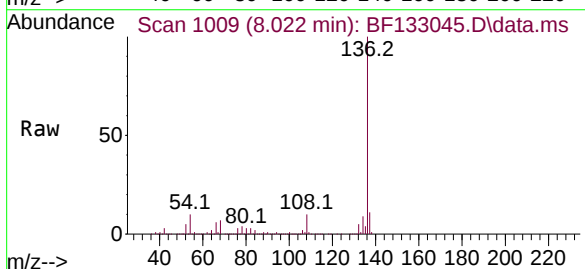
Manual Integrations
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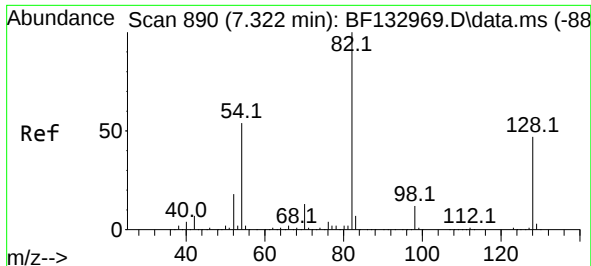
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:136 Resp: 784026
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.6 7.0 10.4
68 7.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 64.328 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133045.D

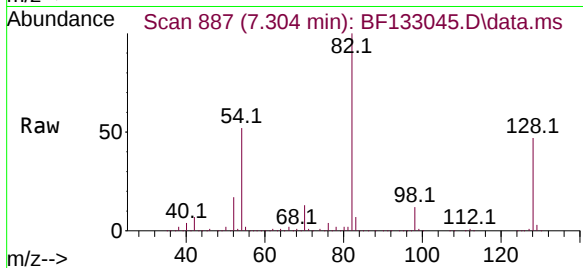
Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17



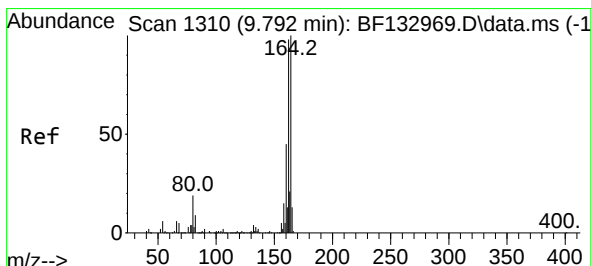
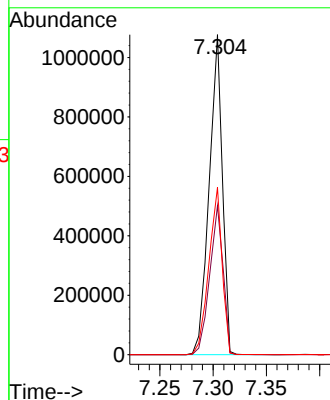
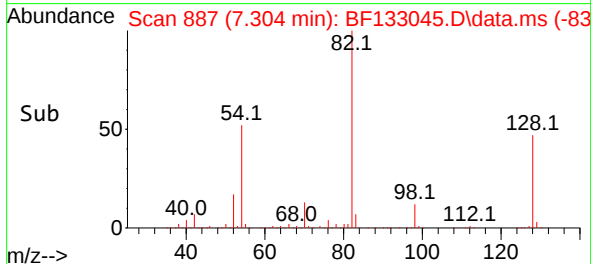
Tgt Ion: 82 Resp: 934378

Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	52.2	43.0	64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

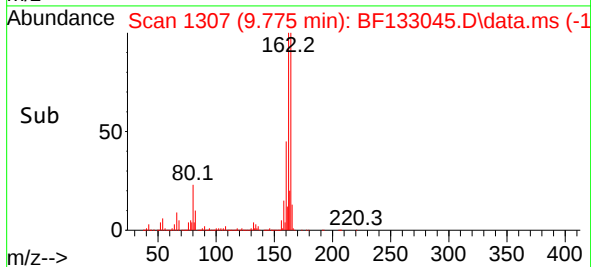
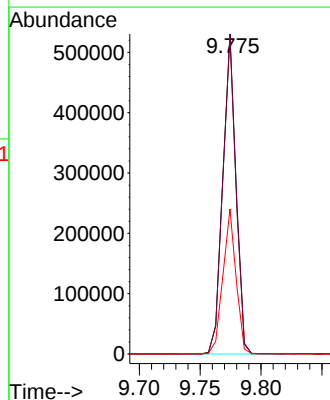
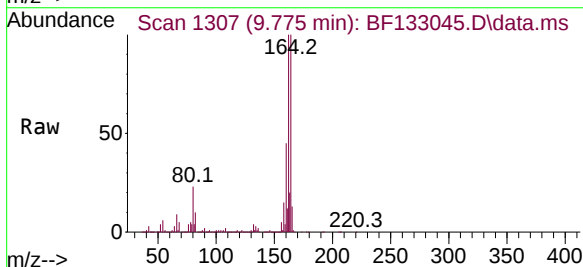
Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Tgt Ion:164 Resp: 400451

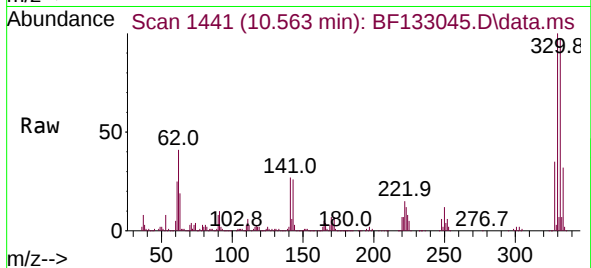
Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.7	118.1
160	45.3	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 87.475 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

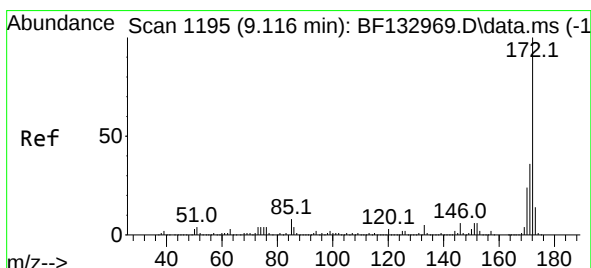
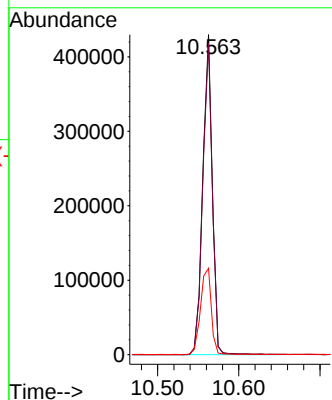
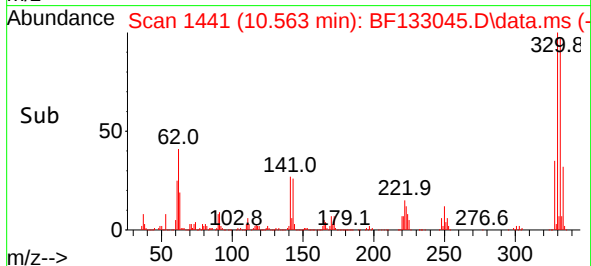
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17



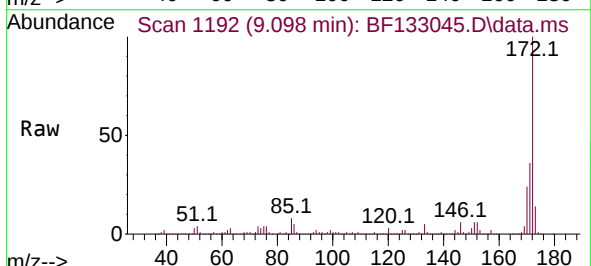
Tgt Ion:330 Resp: 352289
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 30.4 25.8 38.8

Manual Integrations
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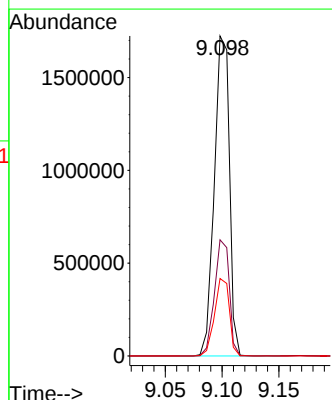
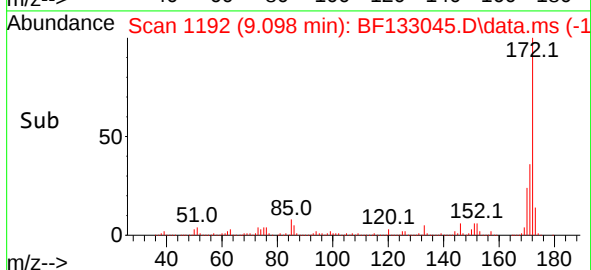
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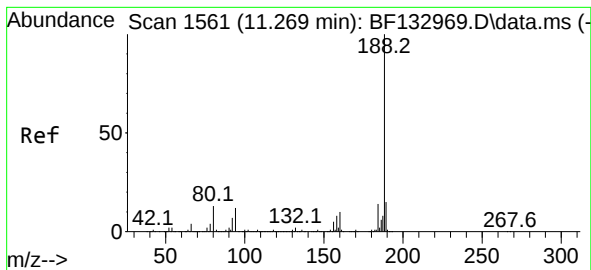


#45
2-Fluorobiphenyl
Concen: 66.606 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32



Tgt Ion:172 Resp: 1594290
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.2 19.4 29.2





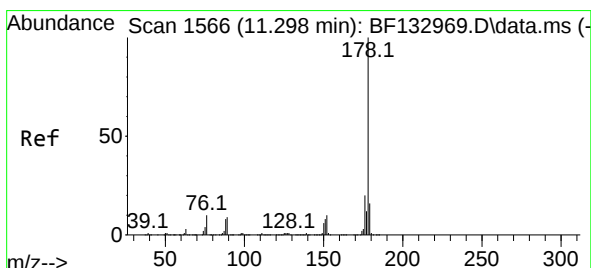
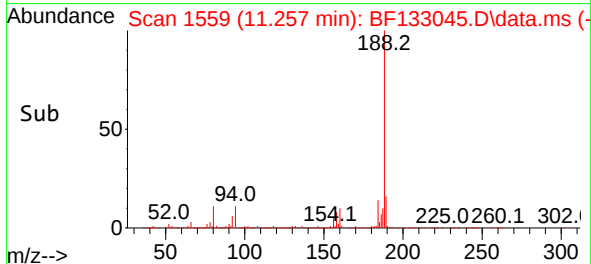
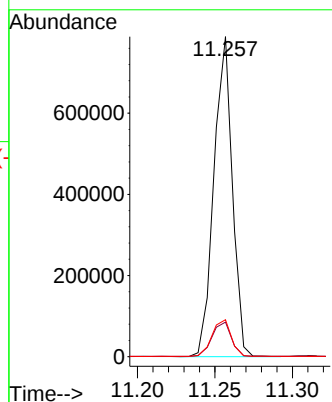
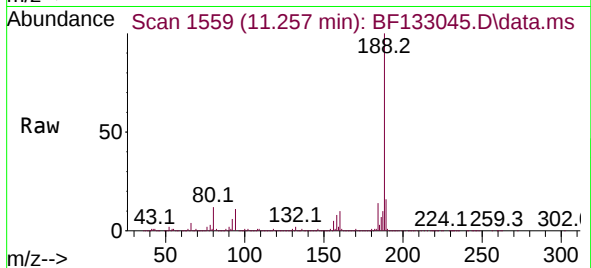
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion:188 Resp: 651600
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.6 10.4 15.6

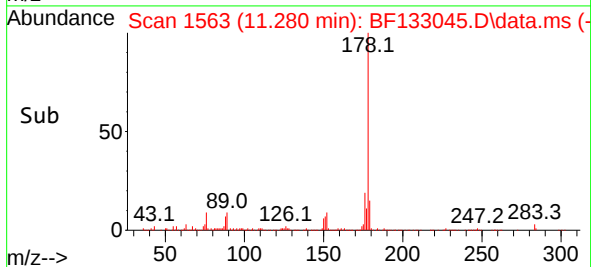
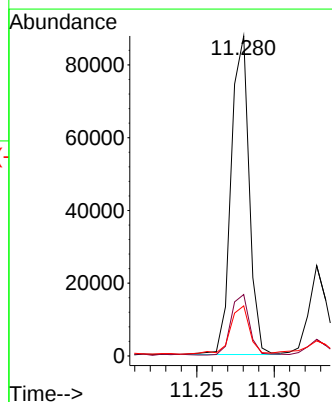
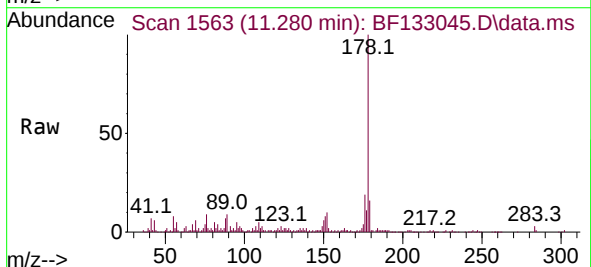
Manual Integrations
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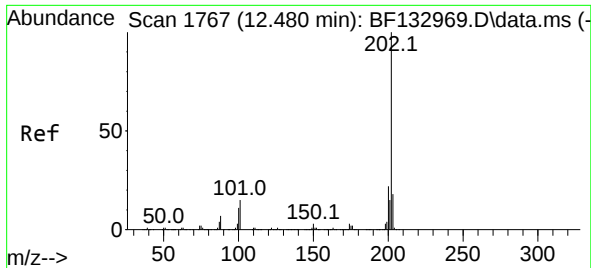
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#71
Phenanthrene
Concen: 2.022 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:178 Resp: 70812
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.7 12.5 18.7





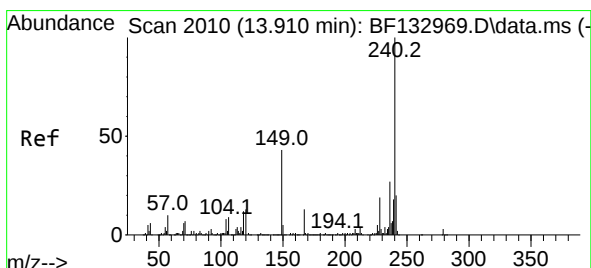
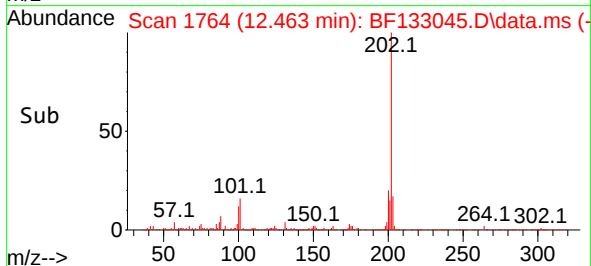
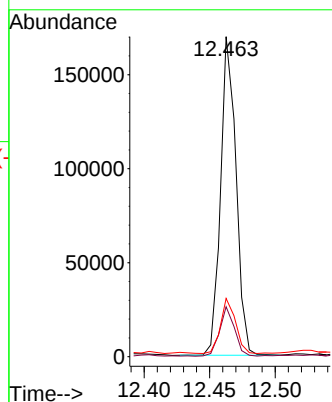
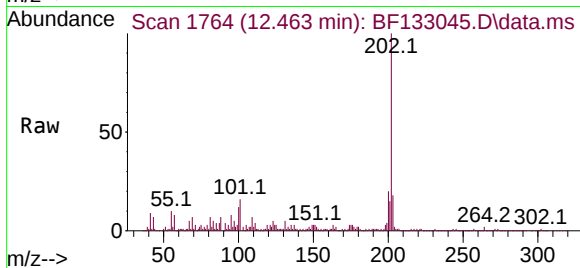
#75
Fluoranthene
Concen: 3.948 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion:202 Resp: 13878
Ion Ratio Lower Upper
202 100
101 15.6 0.0 35.3
203 18.2 0.0 38.1

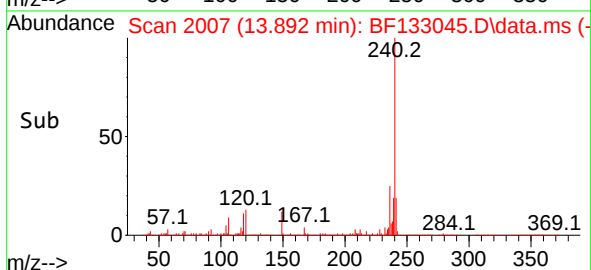
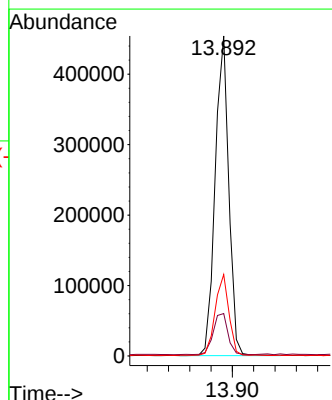
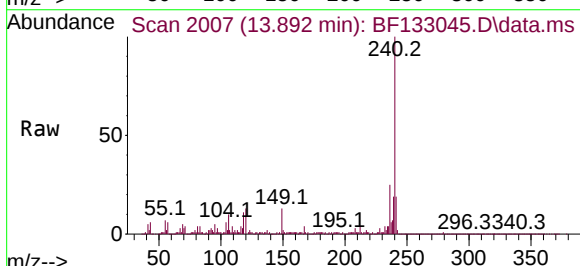
Manual Integrations
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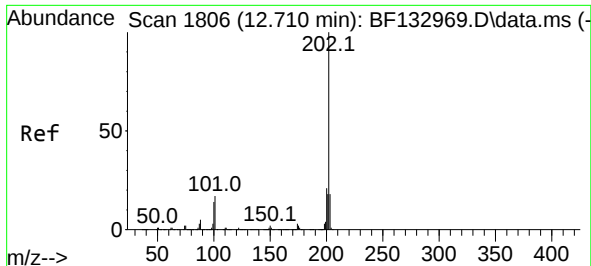
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

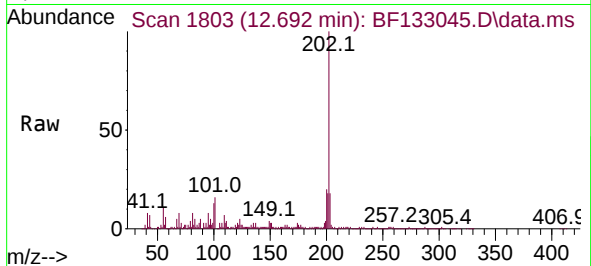
Tgt Ion:240 Resp: 400345
Ion Ratio Lower Upper
240 100
120 13.3 10.5 15.7
236 25.5 21.5 32.3





#78
Pyrene
Concen: 4.000 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

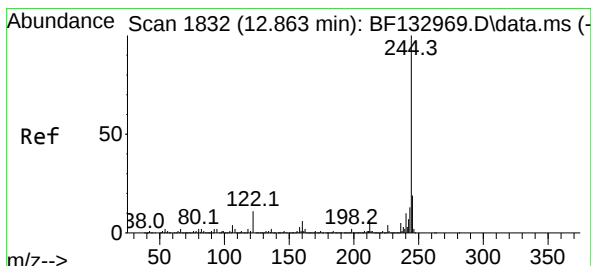
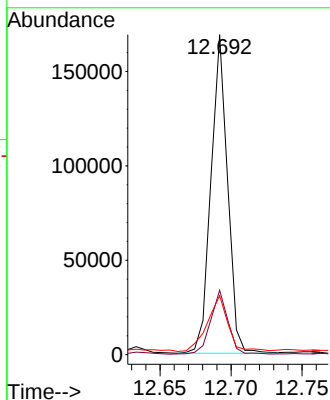
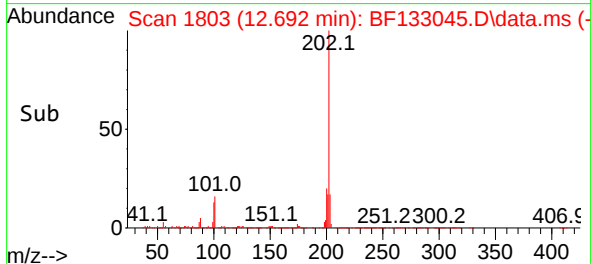
Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17



Tgt Ion:202 Resp: 137270
Ion Ratio Lower Upper
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203 18.4 14.1 21.1

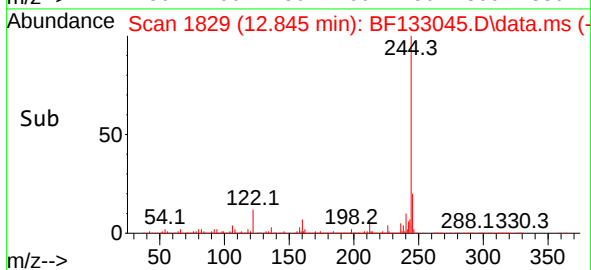
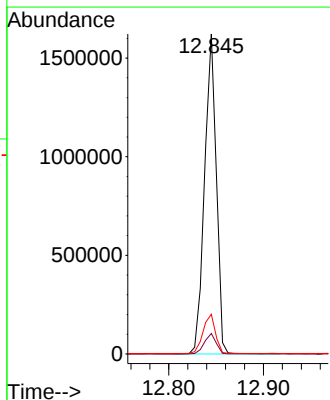
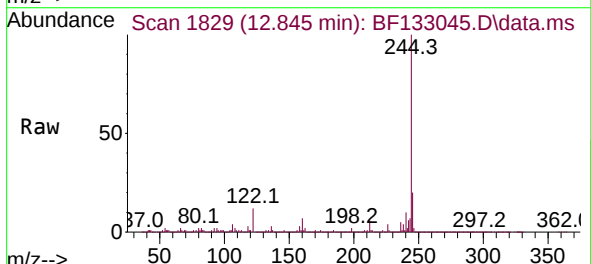
Manual Integrations
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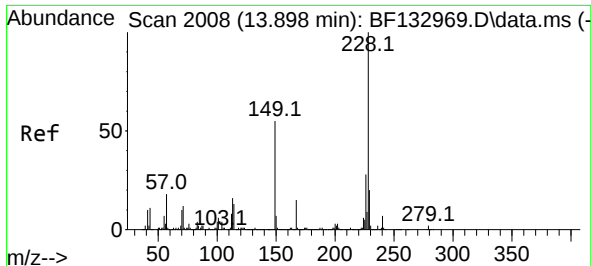
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#79
Terphenyl-d14
Concen: 60.198 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:244 Resp: 1397360
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.4 8.6 13.0





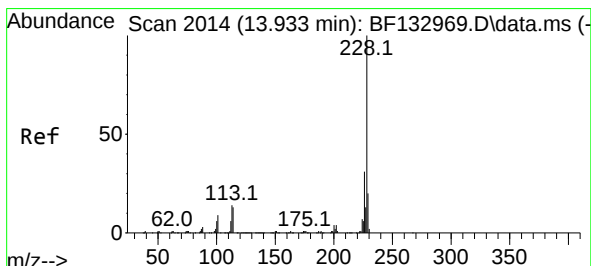
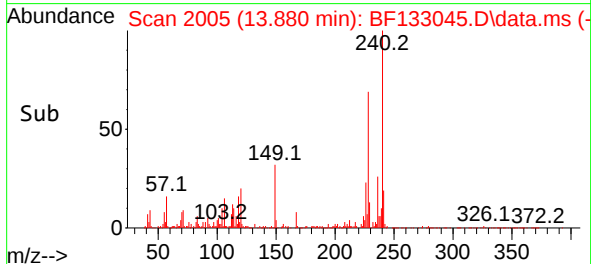
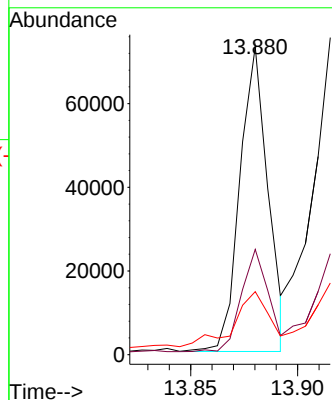
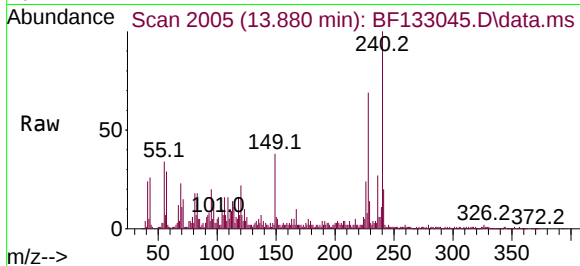
#81
Benzo(a)anthracene
Concen: 2.424 ng m
RT: 13.880 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion:228 Resp: 66744
Ion Ratio Lower Upper
228 100
226 34.2 22.2 33.4
229 20.5 16.0 24.0

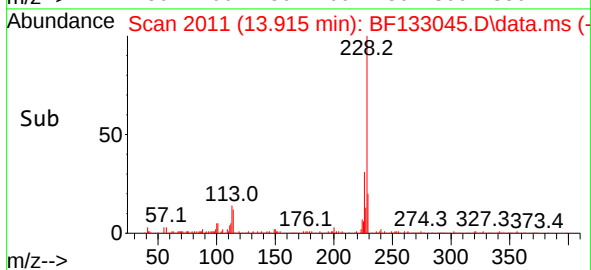
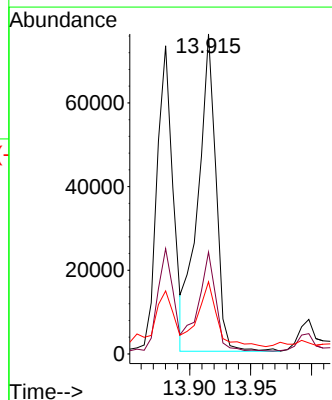
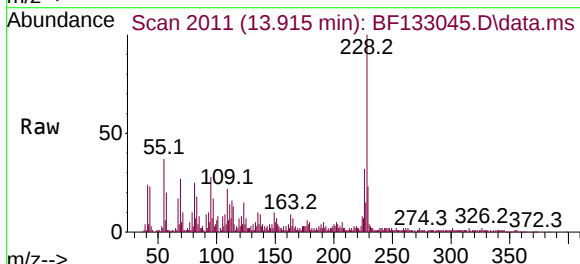
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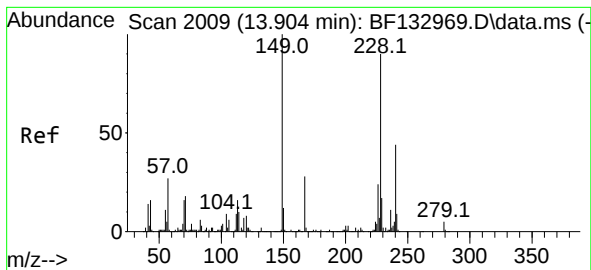
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#83
Chrysene
Concen: 2.856 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:228 Resp: 78612
Ion Ratio Lower Upper
228 100
226 31.8 24.7 37.1
229 22.6 16.1 24.1





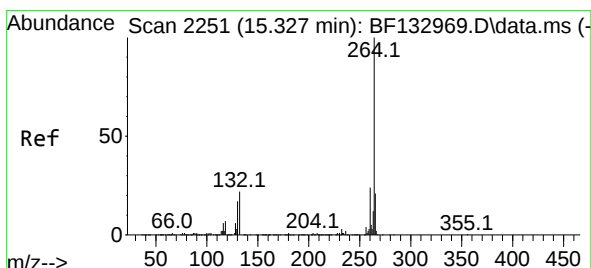
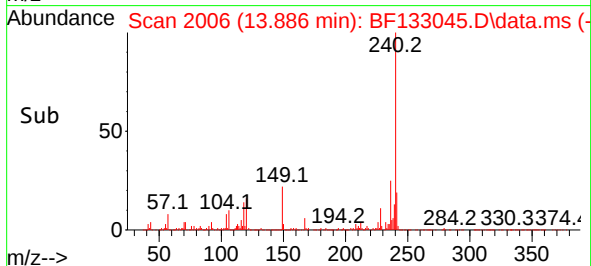
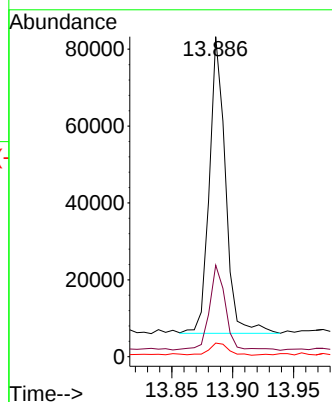
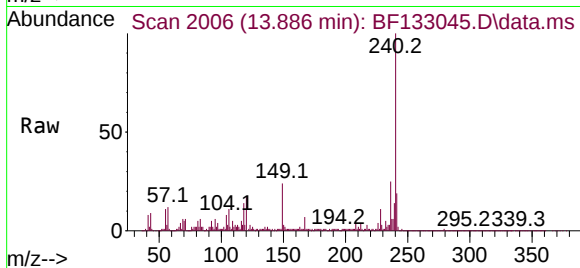
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.641 ng
RT: 13.886 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion:149 Resp: 70785
Ion Ratio Lower Upper
149 100
167 28.6 22.5 33.7
279 4.2 4.2 6.4

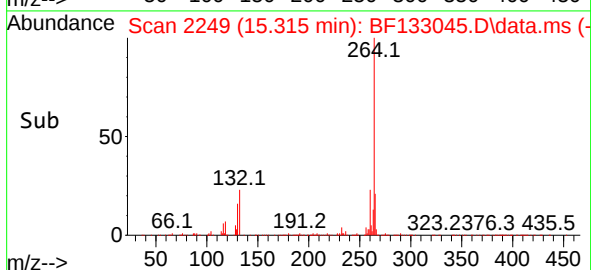
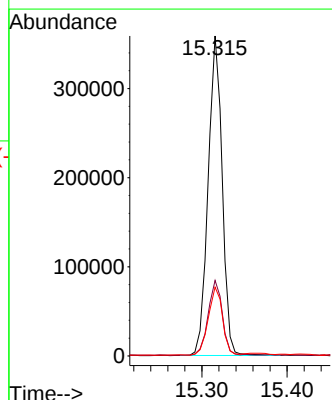
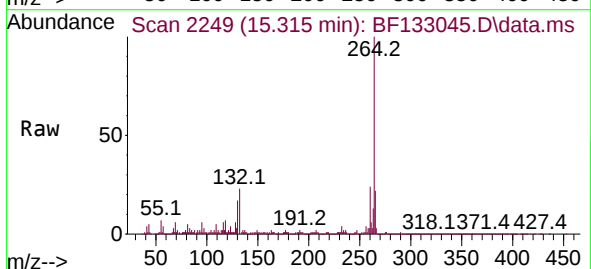
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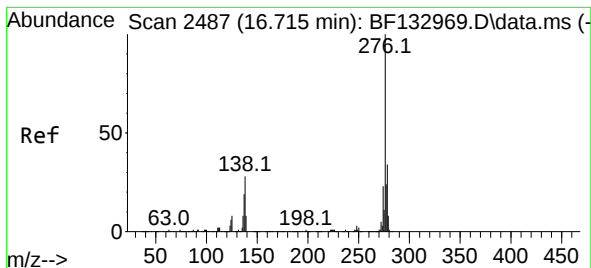
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.000 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:264 Resp: 410830
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.096 ng

RT: 16.692 min Scan# 2487

Delta R.T. -0.012 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Instrument :

BNA_F

ClientSampleId :

SPC-2WC-23-04-17

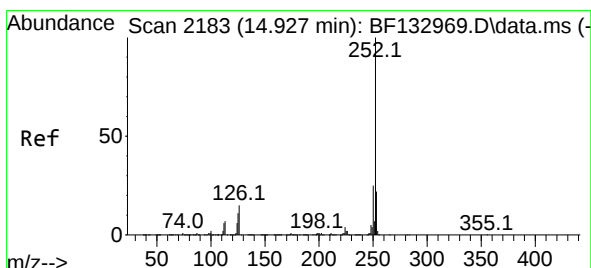
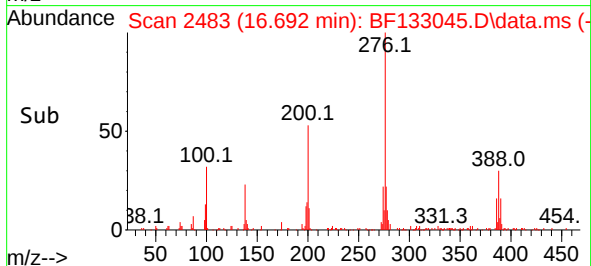
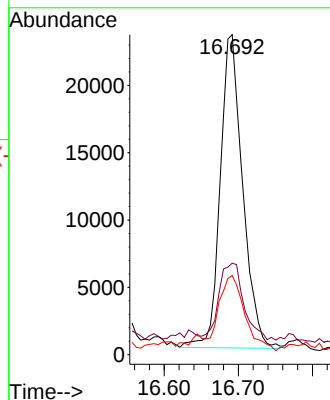
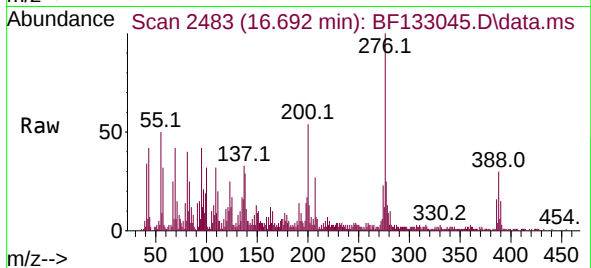
Tgt Ion:276 Resp: 4898
 Ion Ratio Lower Upper
 276 100
 138 27.3 25.5 38.3
 277 27.4 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#88

Benzo(b)fluoranthene

Concen: 4.430 ng m

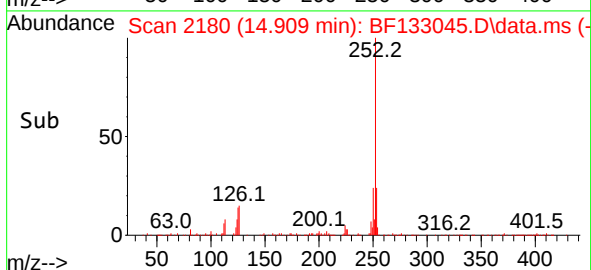
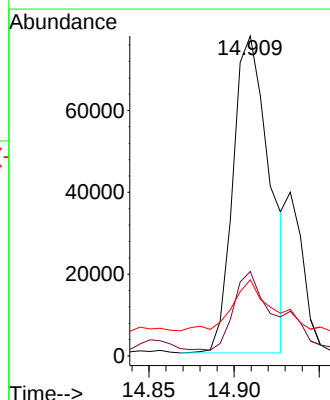
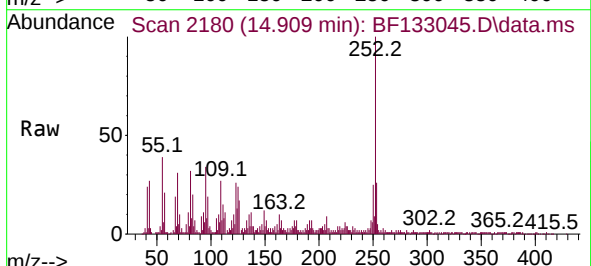
RT: 14.909 min Scan# 2180

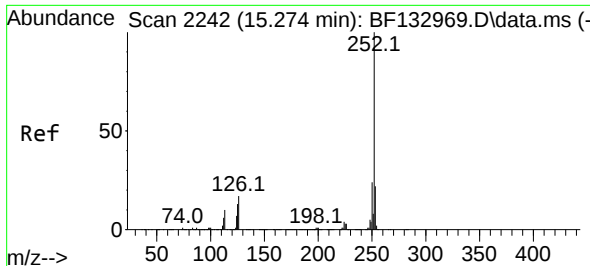
Delta R.T. -0.006 min

Lab File: BF133045.D

Acq: 26 Apr 2023 00:32

Tgt Ion:252 Resp: 115772
 Ion Ratio Lower Upper
 252 100
 253 26.4 17.6 26.4#
 125 23.8 8.9 13.3#





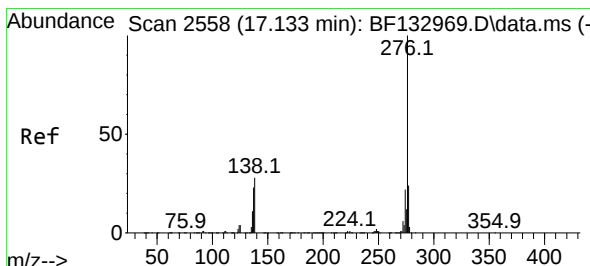
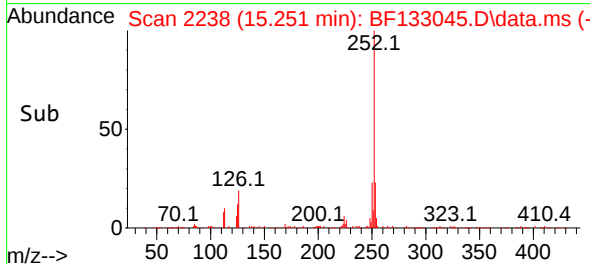
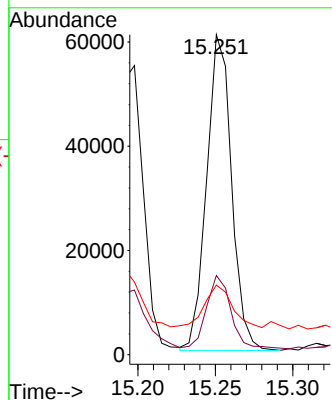
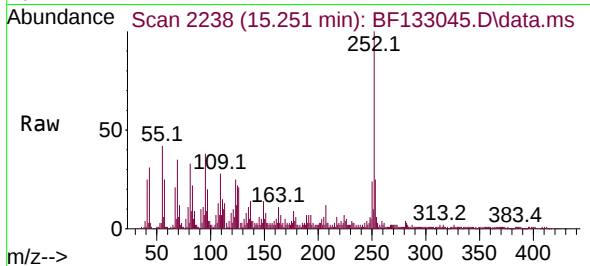
#90
Benzo(a)pyrene
Concen: 2.850 ng
RT: 15.251 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Instrument :
BNA_F
ClientSampleId :
SPC-2WC-23-04-17

Tgt Ion:252 Resp: 6780
Ion Ratio Lower Upper
252 100
253 24.8 17.7 26.5
125 21.8 10.5 15.7

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



#92
Benzo(g,h,i)perylene
Concen: 2.487 ng
RT: 17.103 min Scan# 2553
Delta R.T. -0.018 min
Lab File: BF133045.D
Acq: 26 Apr 2023 00:32

Tgt Ion:276 Resp: 47856
Ion Ratio Lower Upper
276 100
277 25.9 19.4 29.0
138 32.6 22.7 34.1

