

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132666.D
 Acq On : 07 Mar 2023 00:25
 Operator : CG\JU
 Sample : 01820-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-03032023

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/07/2023
 Supervised By :Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 03:24:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	193424	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	665576	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	291336	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	473863	20.000	ng	0.00
76) Chrysene-d12	14.204	240	418259	20.000	ng	0.00
86) Perylene-d12	15.763	264	339185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	465133	39.028	ng	-0.01
7) Phenol-d6	6.616	99	577020	37.098	ng	-0.02
23) Nitrobenzene-d5	7.557	82	349225	24.894	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	95651	30.401	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	567032	29.636	ng	-0.01
79) Terphenyl-d14	13.133	244	547135	22.117	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.563	178	51466	2.097	ng	100
75) Fluoranthene	12.763	202	137901	5.139	ng	99
78) Pyrene	12.998	202	153703	4.042	ng	98
81) Benzo(a)anthracene	14.192	228	77622	2.480	ng	# 93
83) Chrysene	14.227	228	86336m	2.950	ng	
88) Benzo(b)fluoranthene	15.292	252	94523m	4.158	ng	
90) Benzo(a)pyrene	15.692	252	63205	2.971	ng	# 80
92) Benzo(g,h,i)perylene	17.845	276	36279	3.327	ng	# 94

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

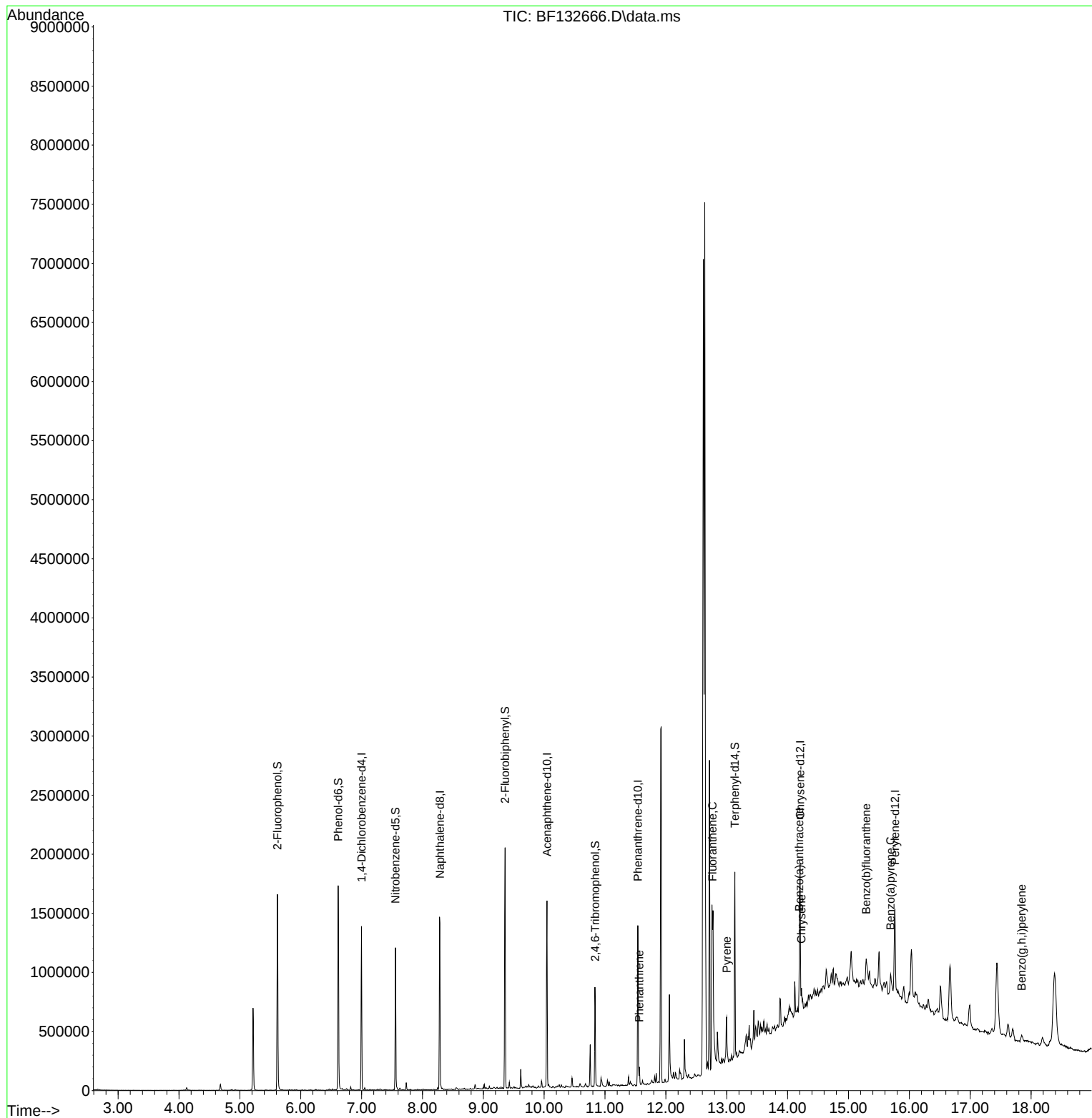
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
Data File : BF132666.D
Acq On : 07 Mar 2023 00:25
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Instrument :
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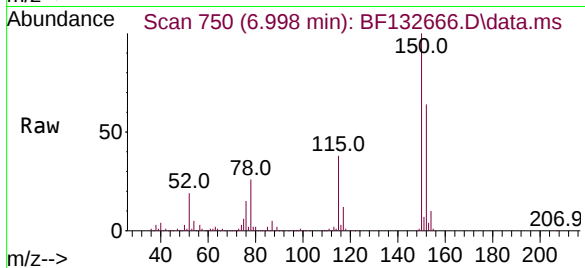
Quant Time: Mar 07 03:24:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.998 min Scan# 710
 Delta R.T. -0.009 min
 Lab File: BF132666.D
 Acq: 07 Mar 2023 00:25

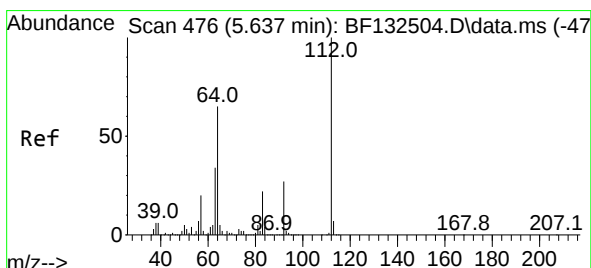
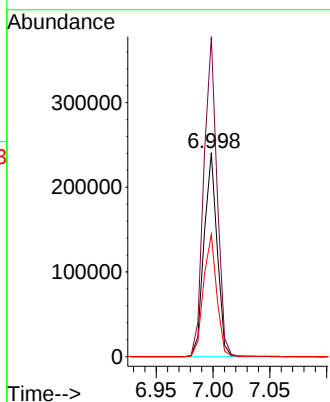
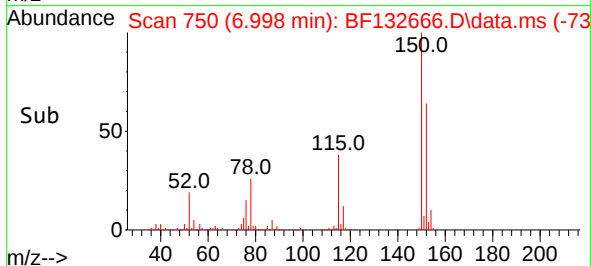
Instrument :
 BNA_F
 ClientSampleId :
 HR-4-03032023



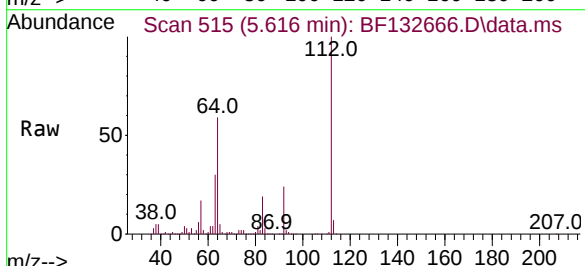
Tgt Ion:152 Resp: 193424
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.4 188.2
 115 59.9 47.8 71.6

Manual Integrations
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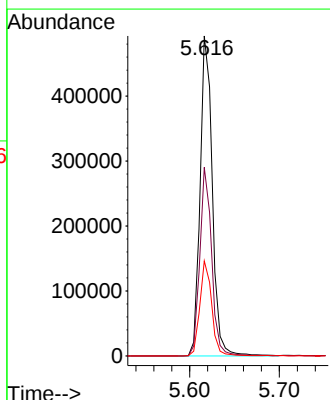
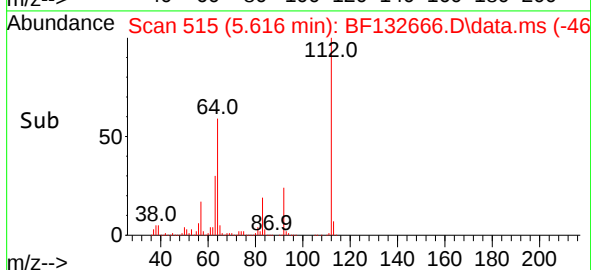
Reviewed By :Christian Giraldo 03/07/2023
 Supervised By :Jagrut Upadhyay 03/07/2023

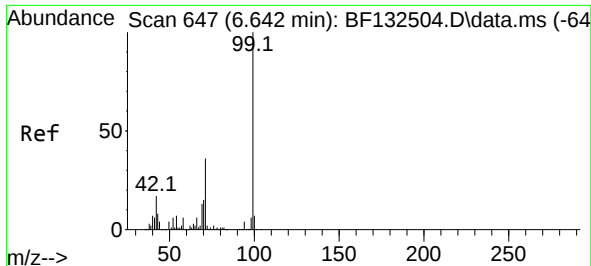


#5
 2-Fluorophenol
 Concen: 39.028 ng
 RT: 5.616 min Scan# 515
 Delta R.T. -0.014 min
 Lab File: BF132666.D
 Acq: 07 Mar 2023 00:25



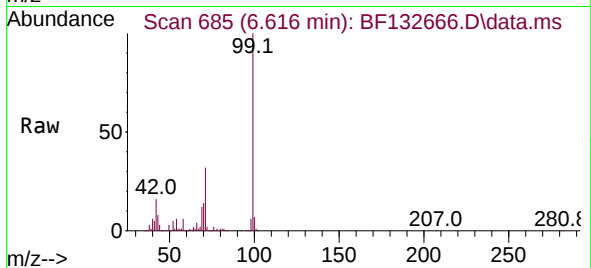
Tgt Ion:112 Resp: 465133
 Ion Ratio Lower Upper
 112 100
 64 58.9 51.6 77.4
 63 29.7 27.4 41.2





#7
Phenol-d6
Concen: 37.098 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.020 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

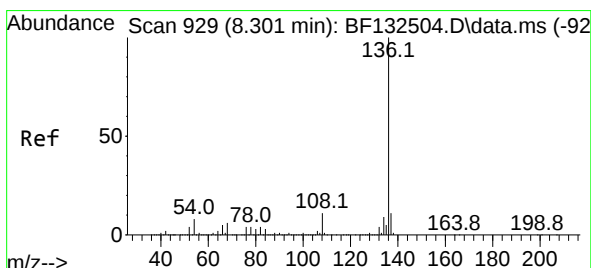
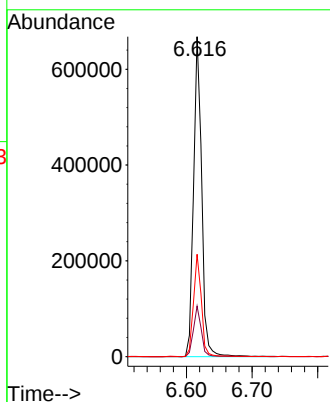
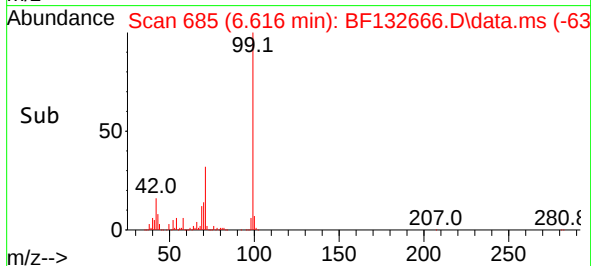
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023



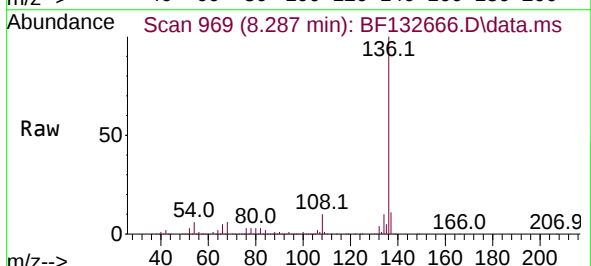
Tgt Ion: 99 Resp: 577020
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 32.0 28.5 42.7

Manual Integrations
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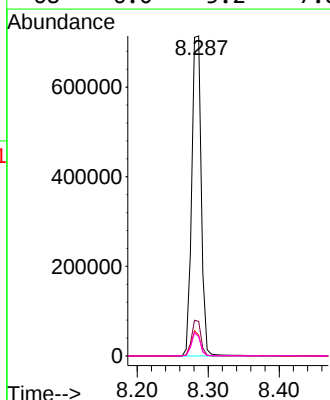
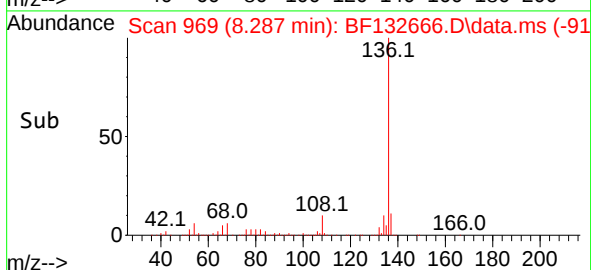
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

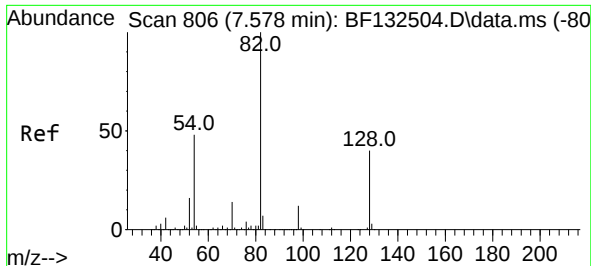


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25



Tgt Ion:136 Resp: 665576
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 6.2 9.4
68 6.0 5.2 7.8





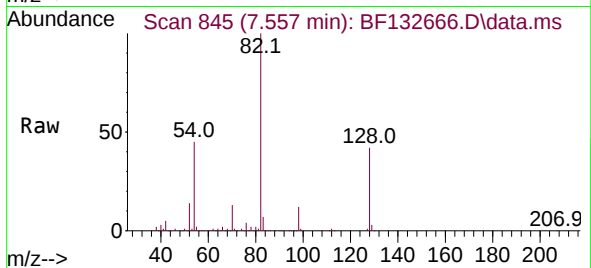
#23
Nitrobenzene-d5
Concen: 24.894 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Instrument :

BNA_F

ClientSampleId :

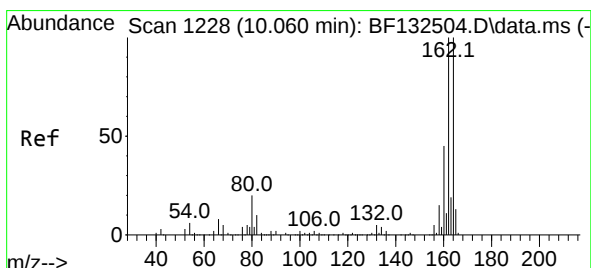
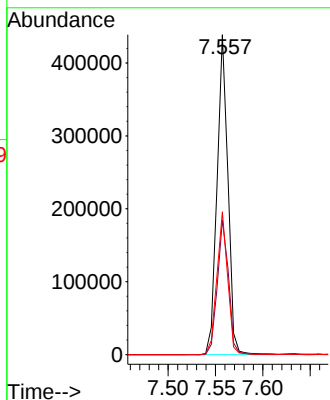
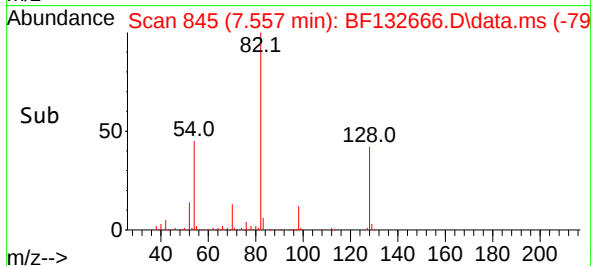
HR-4-03032023



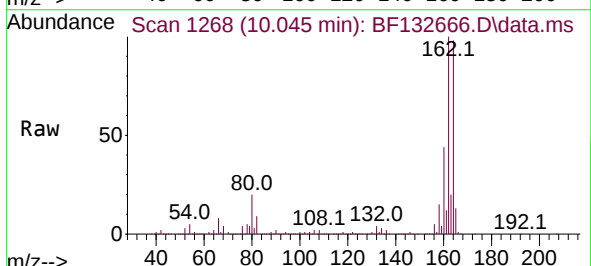
Tgt Ion: 82 Resp: 349225
Ion Ratio Lower Upper
82 100
128 42.1 32.2 48.2
54 44.6 38.4 57.6

Manual Integrations
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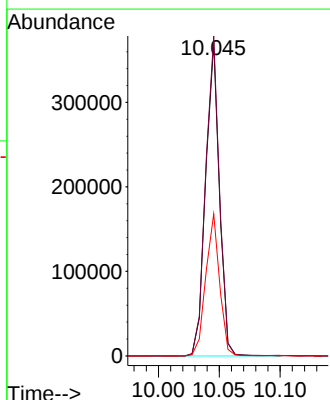
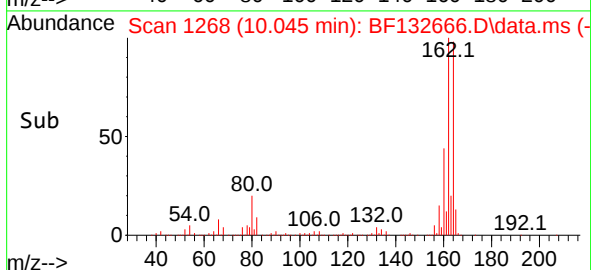
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25



Tgt Ion:164 Resp: 291336
Ion Ratio Lower Upper
164 100
162 102.2 79.8 119.8
160 45.3 35.8 53.6





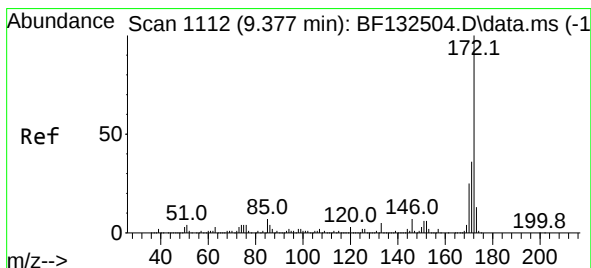
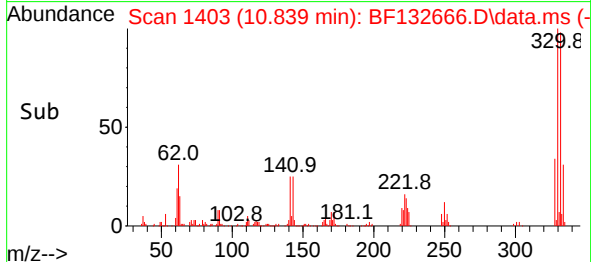
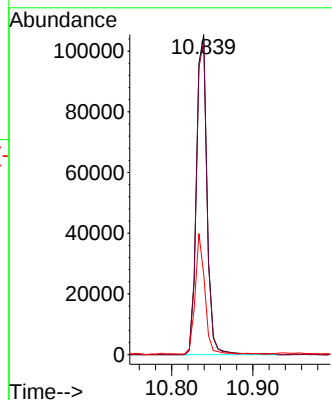
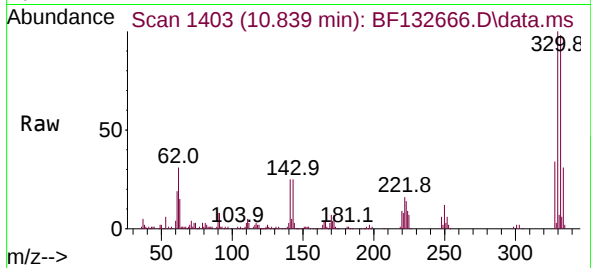
#42
2,4,6-Tribromophenol
Concen: 30.401 ng
RT: 10.839 min Scan# 141
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

Tgt Ion: 330 Resp: 9565
Ion Ratio Lower Upper
330 100
332 97.6 76.2 114.4
141 33.7 28.4 42.6

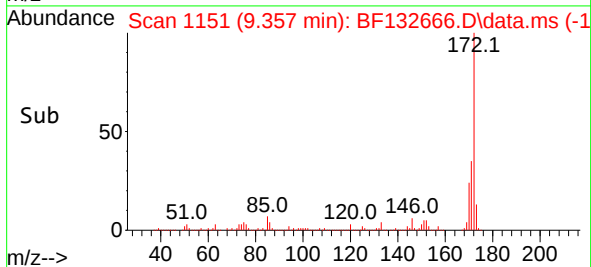
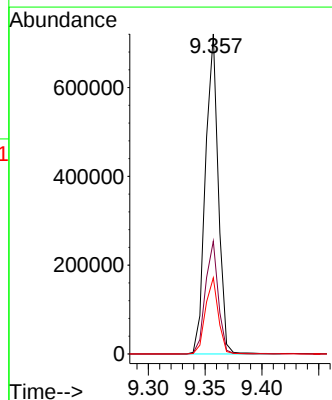
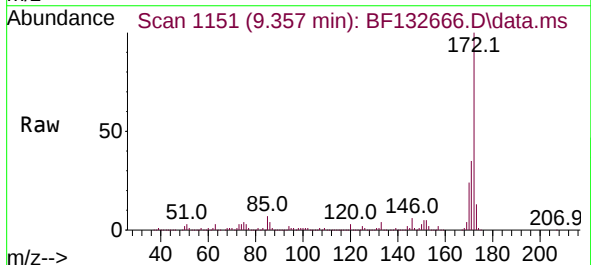
Manual Integrations
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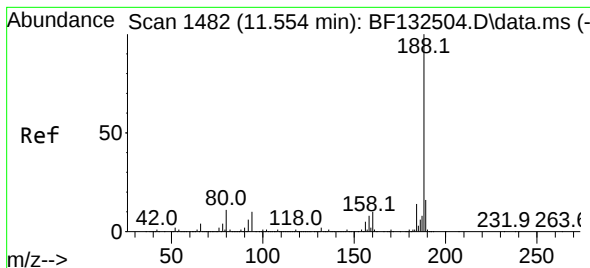
Reviewed By : Christian Giraldo 03/07/2023
Supervised By : Jagrut Upadhyay 03/07/2023



#45
2-Fluorobiphenyl
Concen: 29.636 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion: 172 Resp: 567032
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.8 19.7 29.5





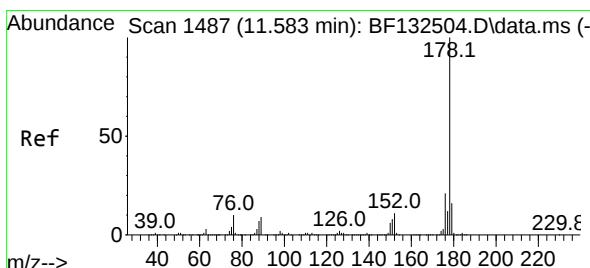
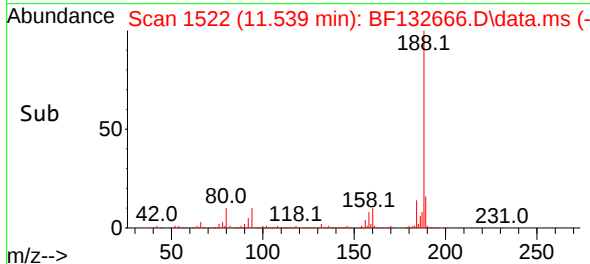
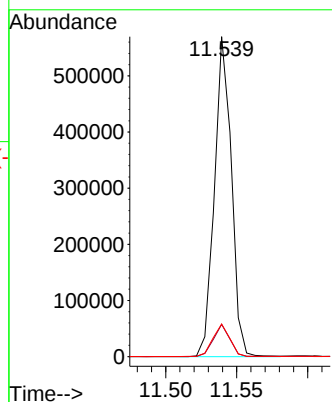
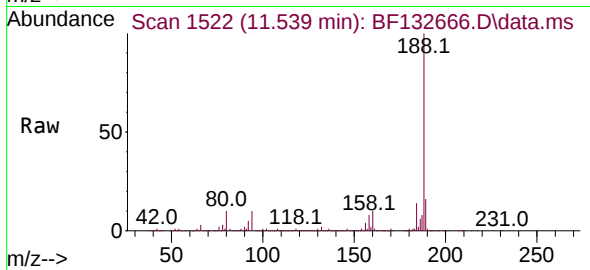
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

Tgt Ion:188 Resp: 473863
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.2 8.7 13.1

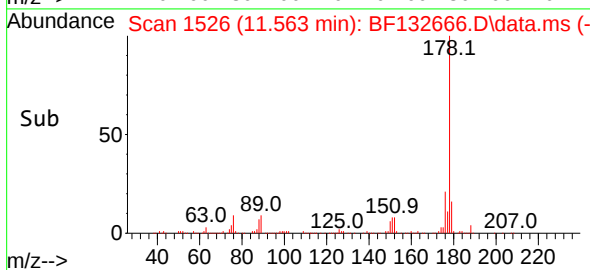
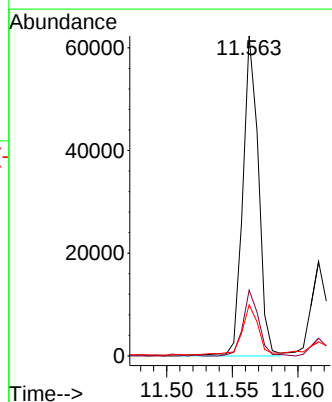
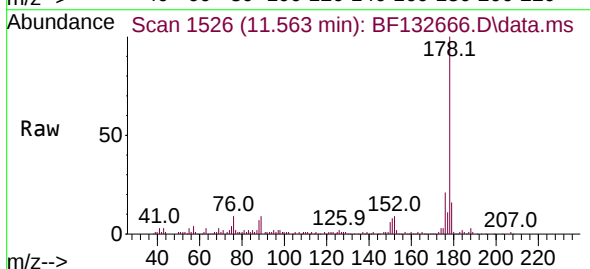
Manual Integrations
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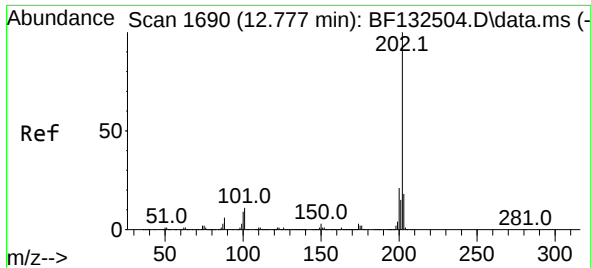
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#71
Phenanthrene
Concen: 2.097 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:178 Resp: 51466
Ion Ratio Lower Upper
178 100
176 20.6 16.5 24.7
179 15.9 13.0 19.6





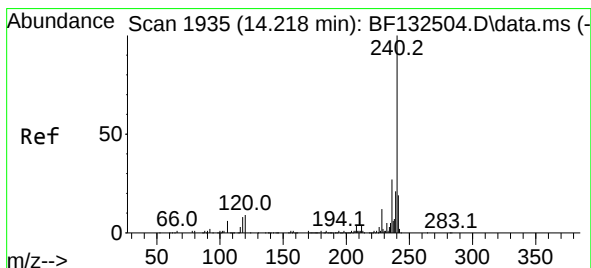
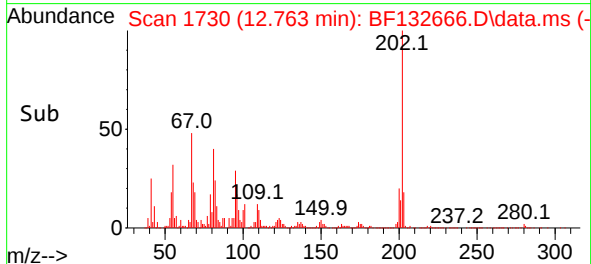
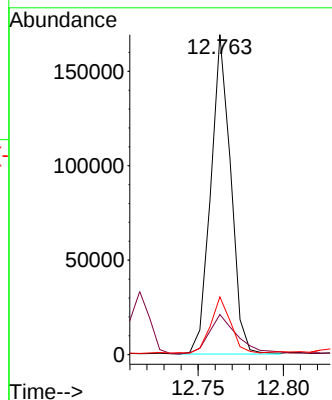
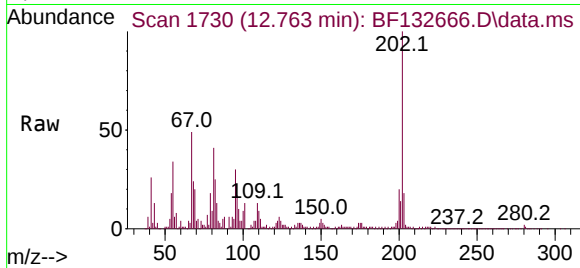
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Fluoranthene
Concen: 5.139 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

Tgt Ion:202 Resp: 137901
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 18.0 0.0 38.0

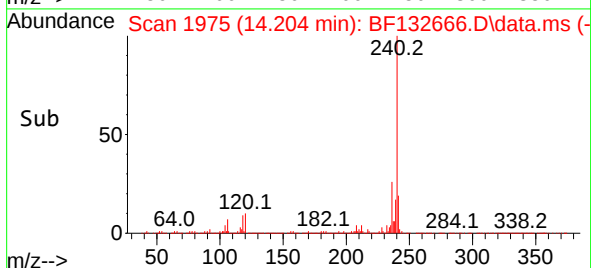
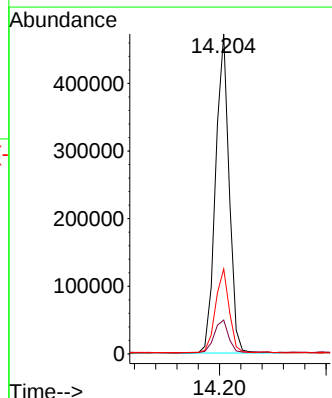
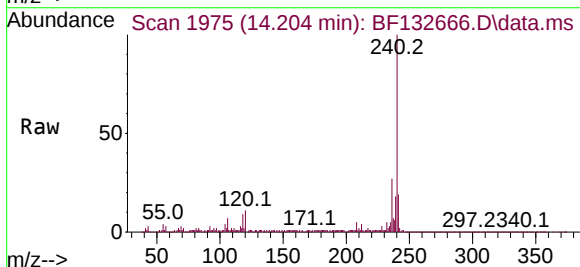
Manual Integrations
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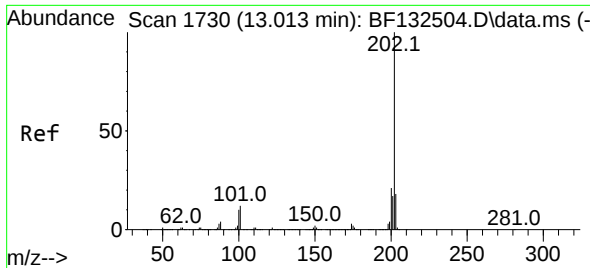
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:240 Resp: 418259
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 26.5 21.8 32.6





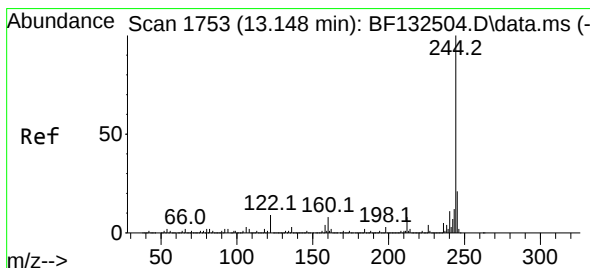
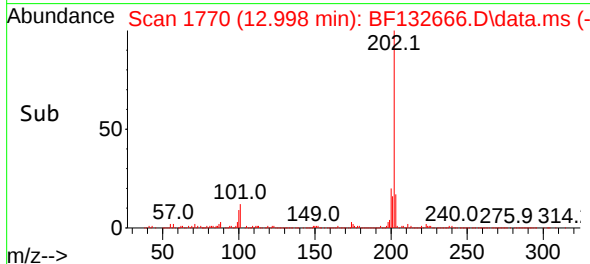
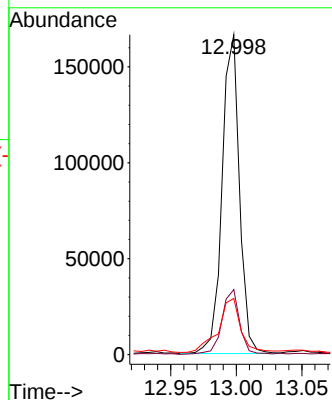
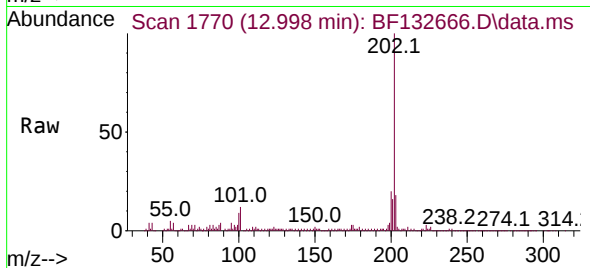
#78
Pyrene
Concen: 4.042 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

Tgt Ion:202 Resp: 153703
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 17.5 14.6 21.8

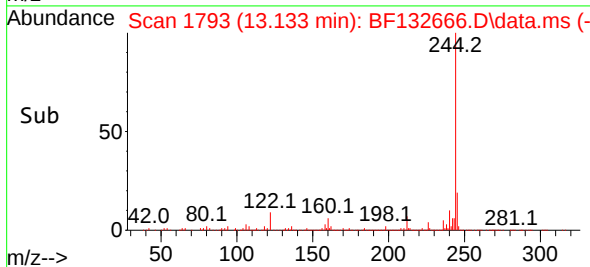
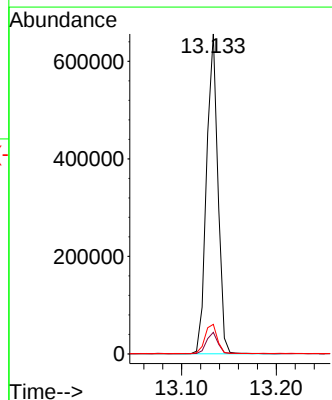
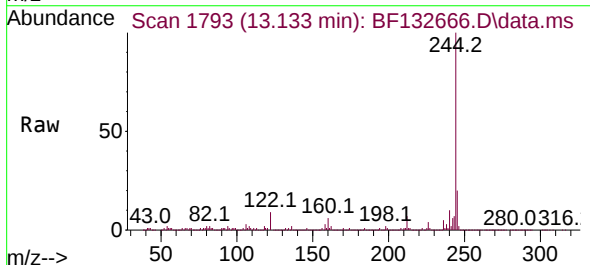
Manual Integrations
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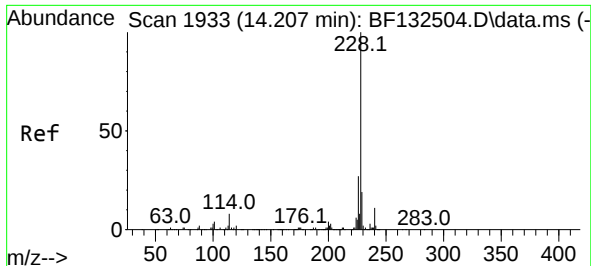
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#79
Terphenyl-d14
Concen: 22.117 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

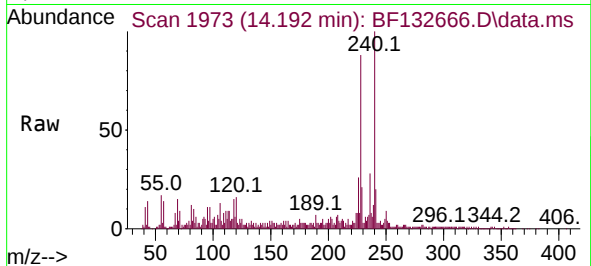
Tgt Ion:244 Resp: 547135
Ion Ratio Lower Upper
244 100
212 6.7 6.5 9.7
122 9.2 7.5 11.3





#81
Benzo(a)anthracene
Concen: 2.480 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

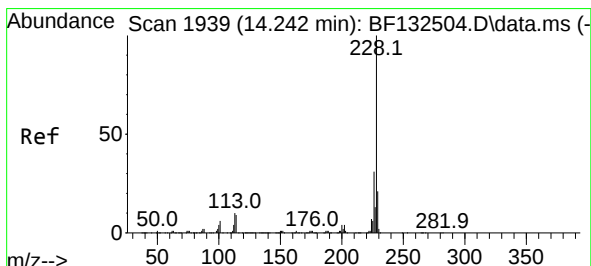
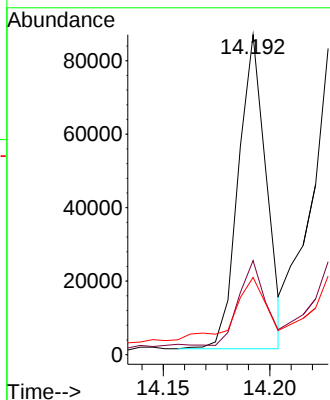
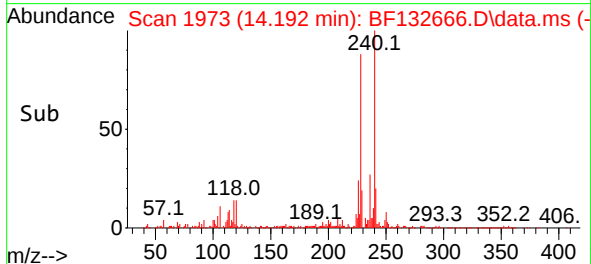
Instrument : BNA_F
ClientSampleId : HR-4-03032023



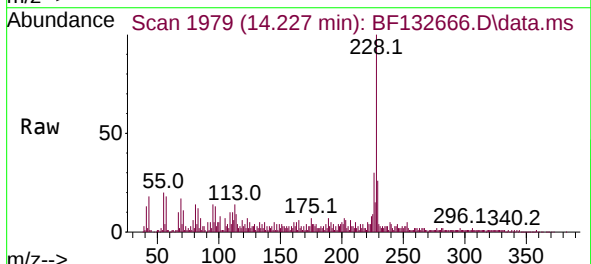
Tgt Ion:228 Resp: 77622
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 24.1 15.4 23.2

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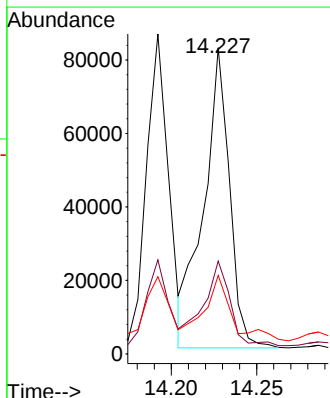
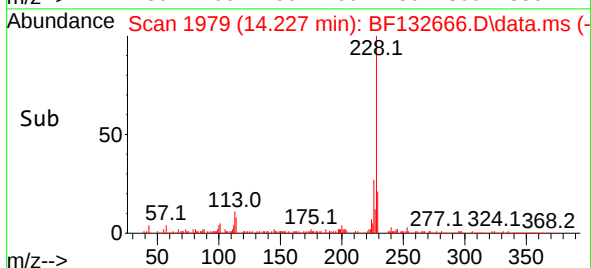
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

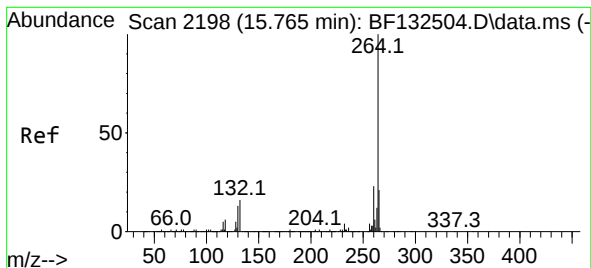


#83
Chrysene
Concen: 2.950 ng m
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25



Tgt Ion:228 Resp: 86336
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 25.7 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.763 min Scan# 2198

Delta R.T. 0.009 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

Instrument :

BNA_F

ClientSampleId :

HR-4-03032023

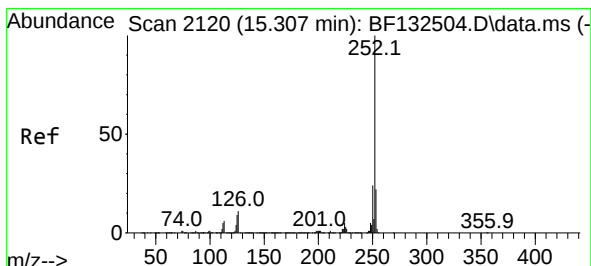
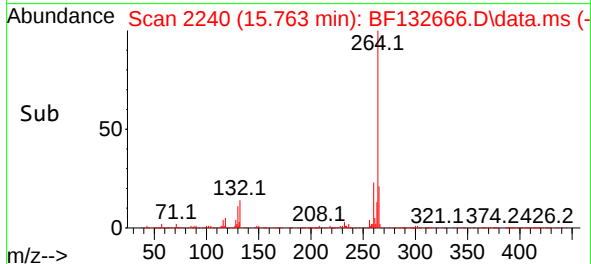
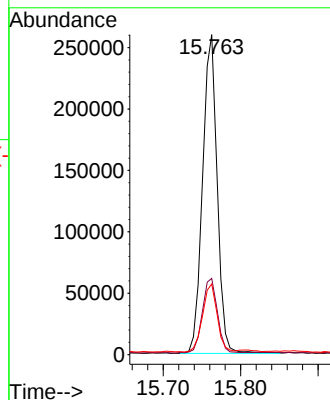
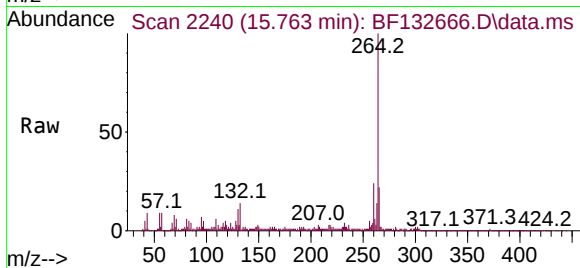
Tgt Ion:264 Resp: 339185

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.1	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#88

Benzo(b)fluoranthene

Concen: 4.158 ng m

RT: 15.292 min Scan# 2160

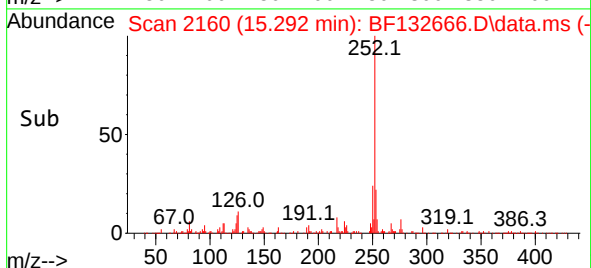
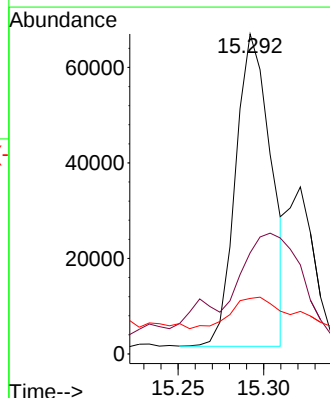
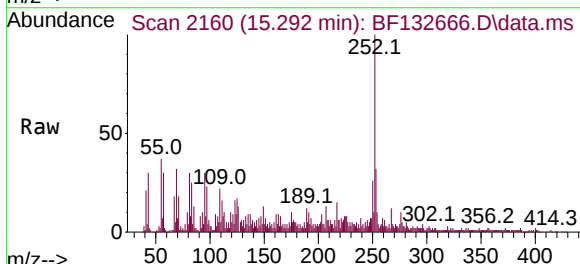
Delta R.T. -0.003 min

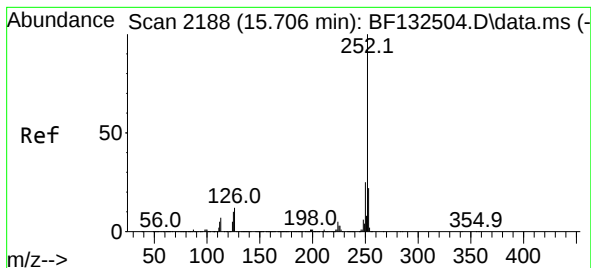
Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

Tgt Ion:252 Resp: 94523

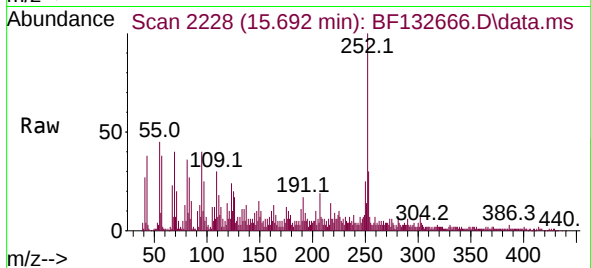
Ion	Ratio	Lower	Upper
252	100		
253	31.6	17.4	26.0#
125	17.3	7.0	10.6#





#90
Benzo(a)pyrene
Concen: 2.971 ng
RT: 15.692 min Scan# 2188
Delta R.T. 0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

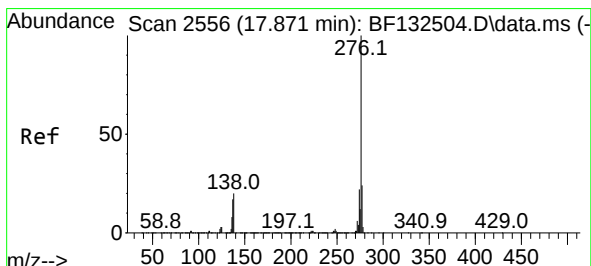
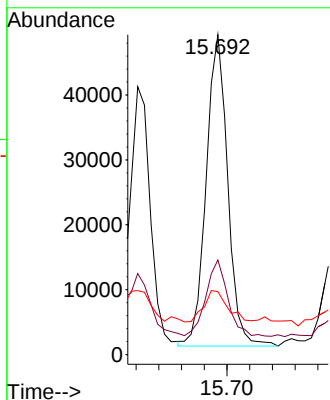
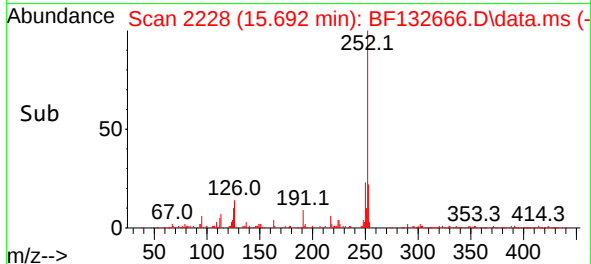
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023



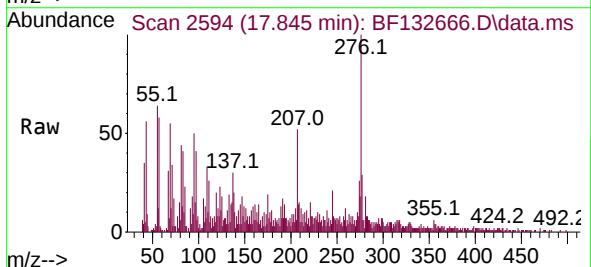
Tgt Ion:252 Resp: 63205
Ion Ratio Lower Upper
252 100
253 29.6 17.2 25.8
125 19.7 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#92
Benzo(g,h,i)perylene
Concen: 3.327 ng
RT: 17.845 min Scan# 2594
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25



Tgt Ion:276 Resp: 36279
Ion Ratio Lower Upper
276 100
277 29.2 18.9 28.3
138 20.4 16.2 24.4

