

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132668.D
 Acq On : 07 Mar 2023 01:29
 Operator : CG\JU
 Sample : 01815-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-03032023

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 03:25:09 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	170878	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	546211	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	244958	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	491139	20.000	ng	0.00
76) Chrysene-d12	14.204	240	364327	20.000	ng	0.00
86) Perylene-d12	15.762	264	258840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	437523	41.555	ng	-0.01
7) Phenol-d6	6.616	99	506116	36.833	ng	-0.02
23) Nitrobenzene-d5	7.557	82	286721	24.905	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	103188	39.006	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	440087	27.356	ng	-0.01
79) Terphenyl-d14	13.133	244	537266	24.933	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.569	178	94602	3.718	ng	98
75) Fluoranthene	12.763	202	188721	6.785	ng	99
78) Pyrene	12.998	202	185288	5.594	ng	98
81) Benzo(a)anthracene	14.192	228	69596	2.553	ng	# 89
83) Chrysene	14.233	228	68227	2.676	ng	# 93
88) Benzo(b)fluoranthene	15.298	252	57668m	3.325	ng	
90) Benzo(a)pyrene	15.692	252	40341	2.485	ng	# 74
92) Benzo(g,h,i)perylene	17.856	276	26773	3.271	ng	# 83

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

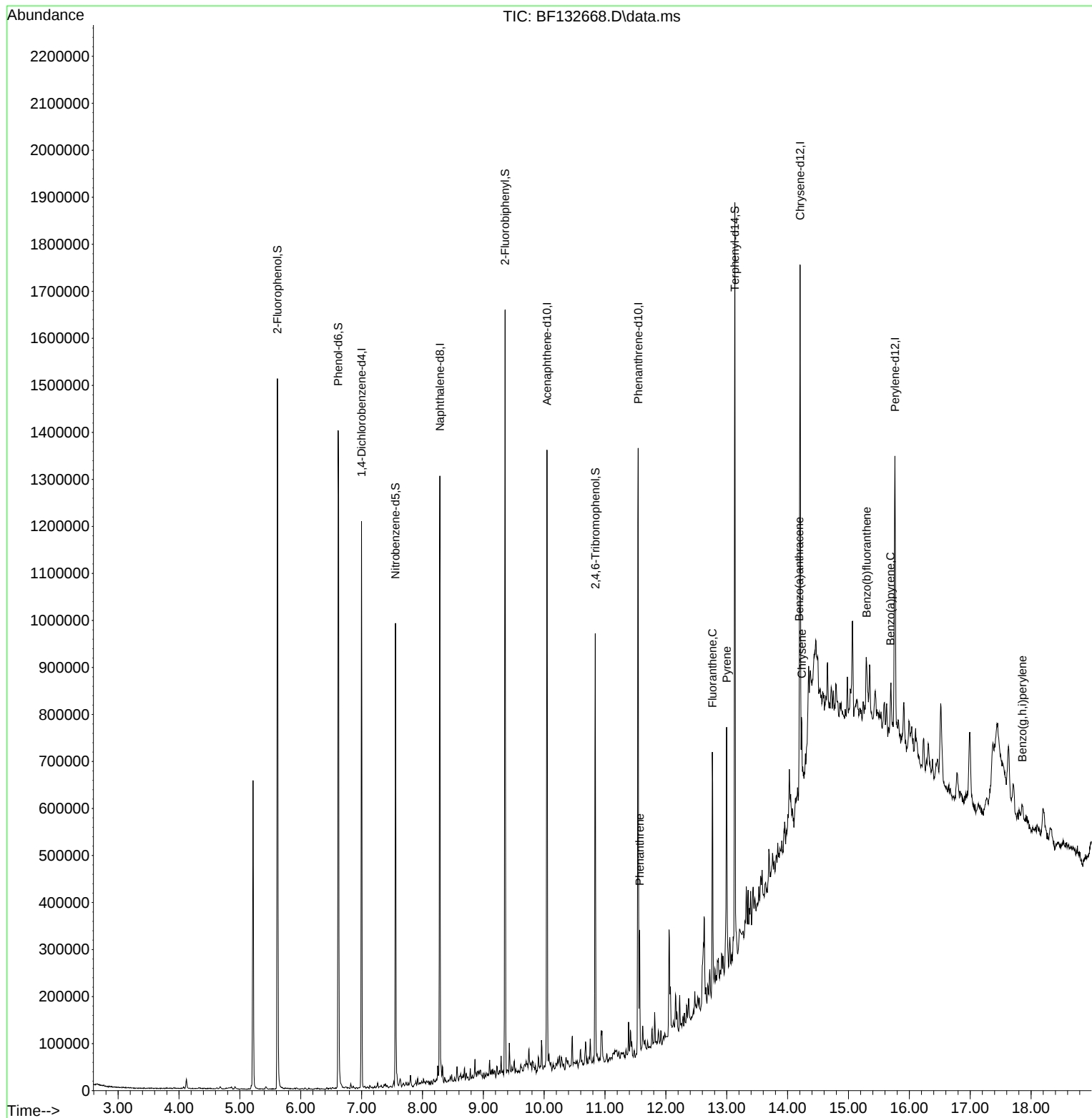
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
Data File : BF132668.D
Acq On : 07 Mar 2023 01:29
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Misc :
ALS Vial : 21 Sample Multiplier: 1

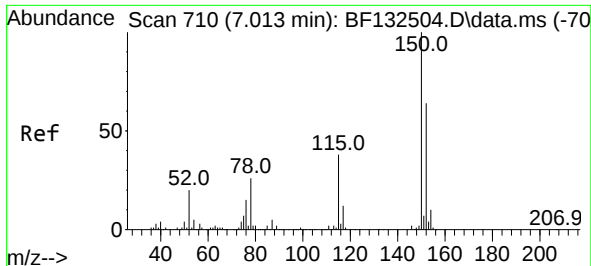
Instrument :
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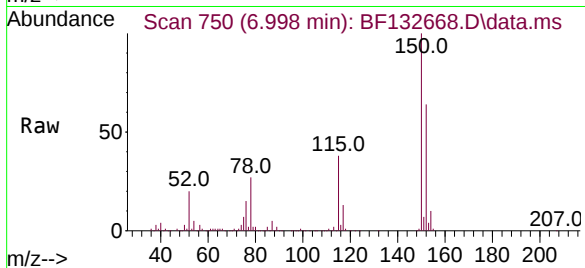
Quant Time: Mar 07 03:25:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

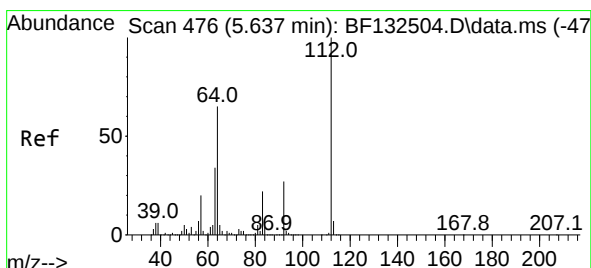
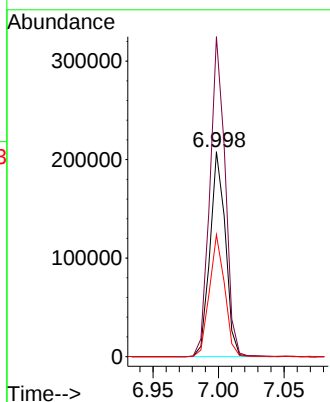
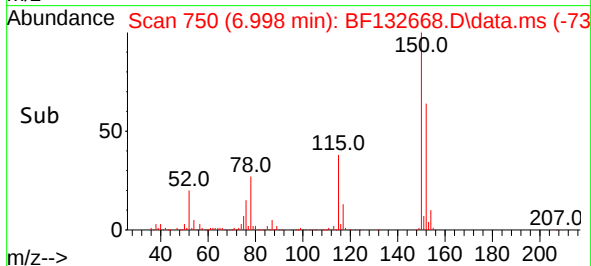
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023



Tgt Ion:152 Resp: 170878
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 59.5 47.8 71.6

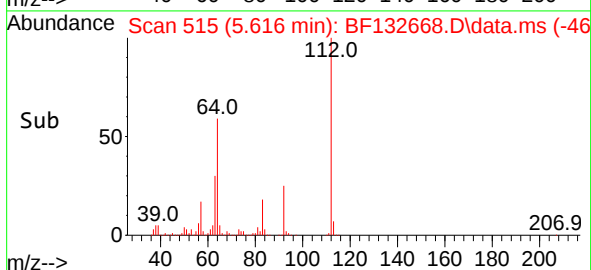
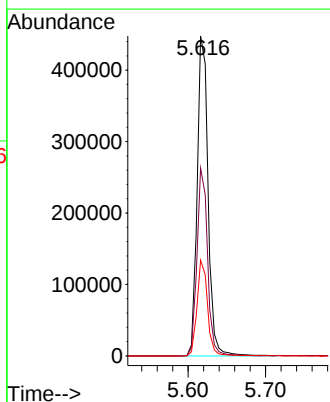
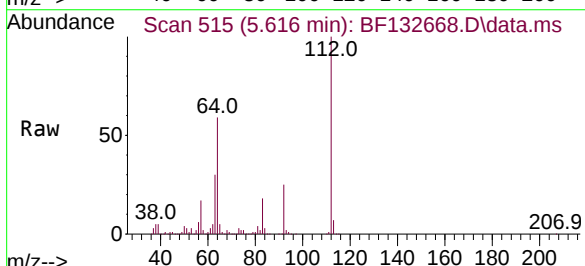
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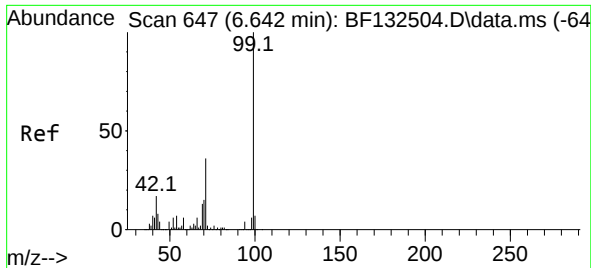
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#5
2-Fluorophenol
Concen: 41.555 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

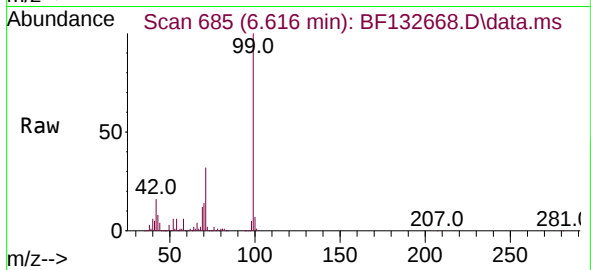
Tgt Ion:112 Resp: 437523
Ion Ratio Lower Upper
112 100
64 58.7 51.6 77.4
63 29.9 27.4 41.2





#7
Phenol-d6
Concen: 36.833 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.021 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

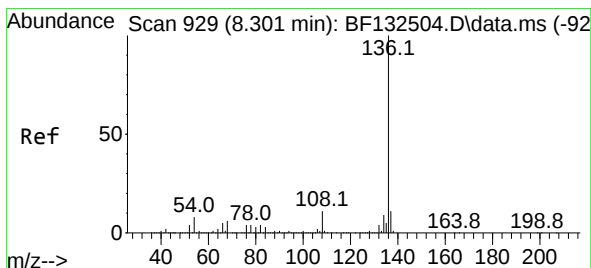
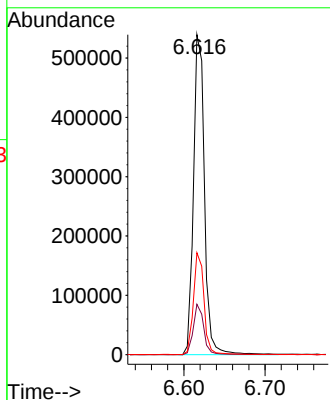
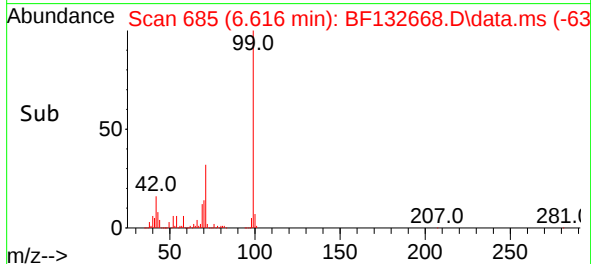
Instrument :
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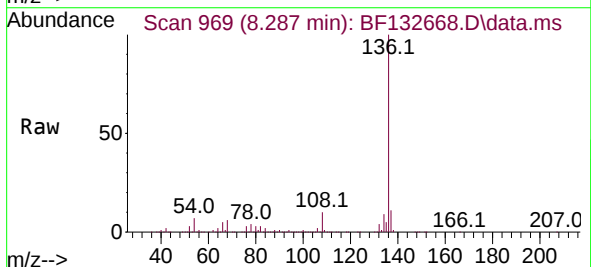
Tgt Ion: 99 Resp: 506116
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 31.8 28.5 42.7

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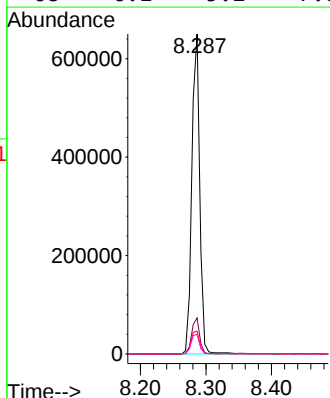
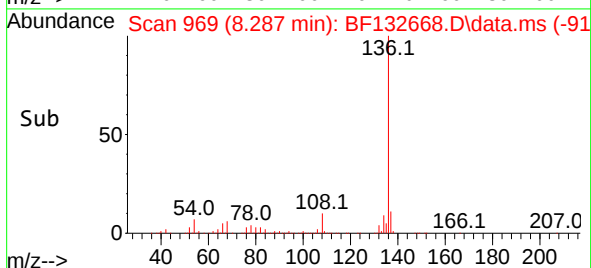
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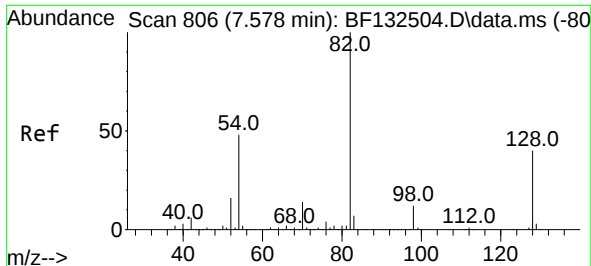


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29



Tgt Ion:136 Resp: 546211
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.1 6.2 9.4
68 6.1 5.2 7.8





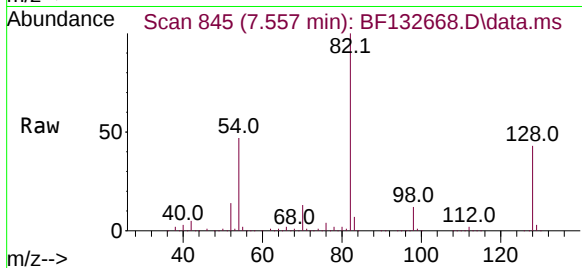
#23
Nitrobenzene-d5
Concen: 24.905 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

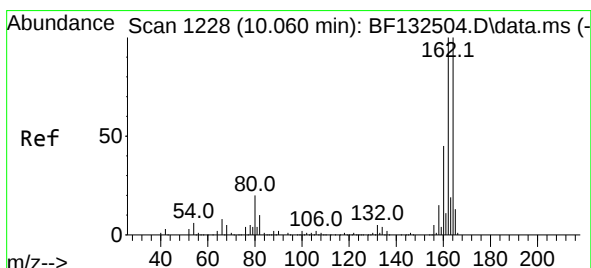
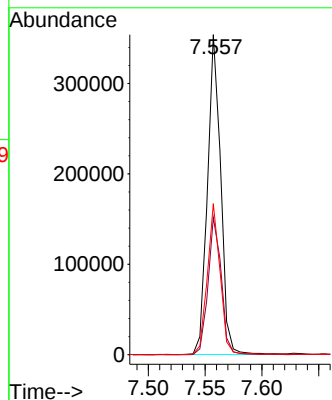
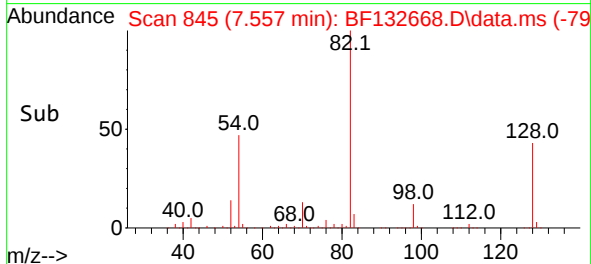


Tgt Ion: 82 Resp: 286721
Ion Ratio Lower Upper
82 100
128 42.8 32.2 48.2
54 47.2 38.4 57.6

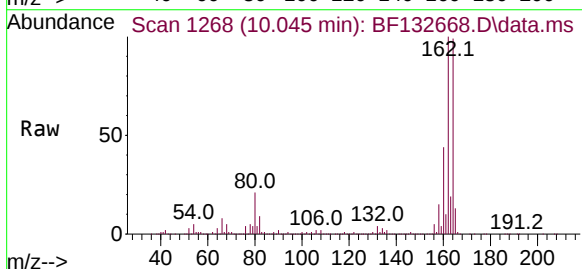
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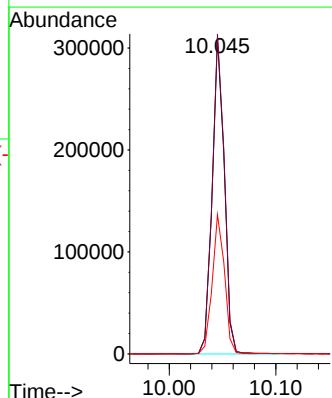
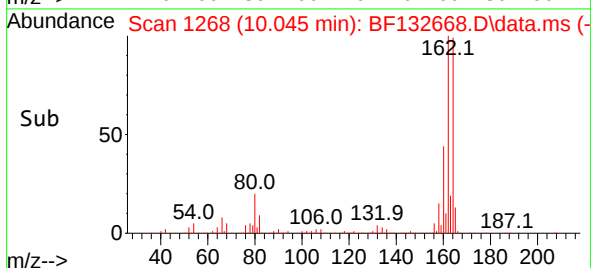
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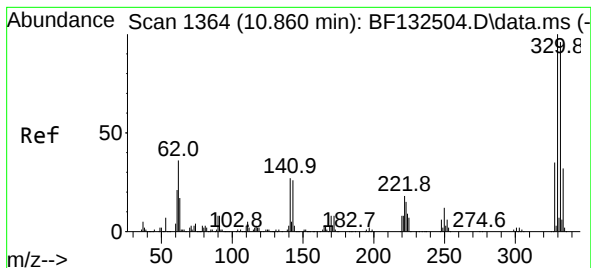


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29



Tgt Ion:164 Resp: 244958
Ion Ratio Lower Upper
164 100
162 101.2 79.8 119.8
160 44.1 35.8 53.6





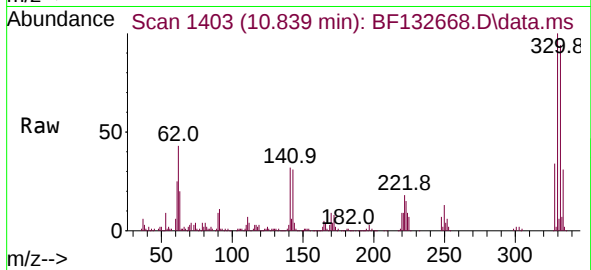
#42
2,4,6-Tribromophenol
Concen: 39.006 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

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OK-01-03032023

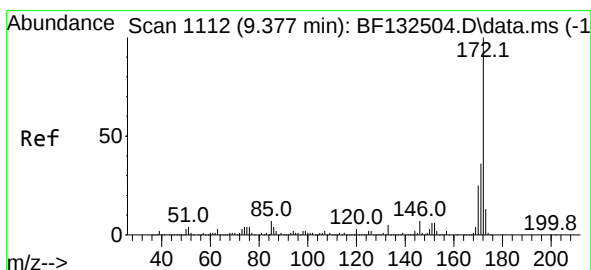
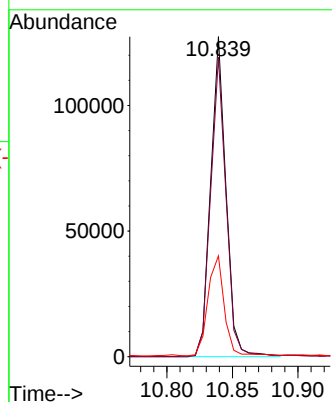
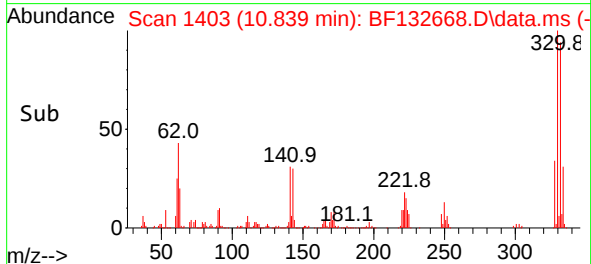


Tgt Ion:330 Resp: 103188
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 33.3 28.4 42.6

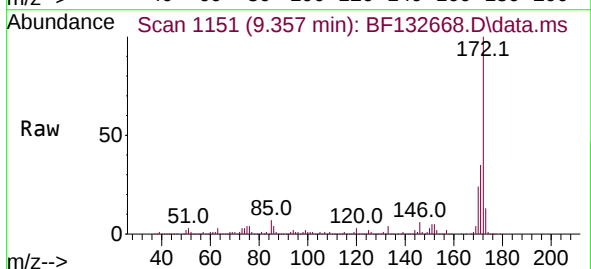
Manual Integrations

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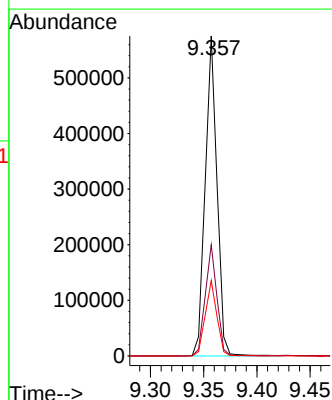
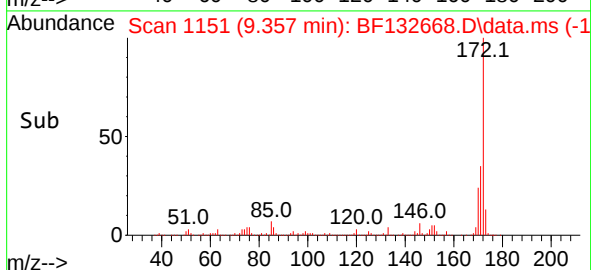
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

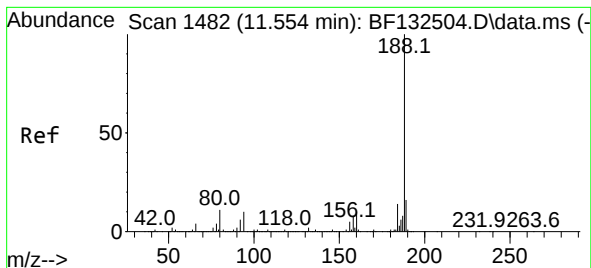


#45
2-Fluorobiphenyl
Concen: 27.356 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29



Tgt Ion:172 Resp: 440087
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.5 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

Tgt Ion:188 Resp: 491139

Ion Ratio Lower Upper

188 100

94 8.7 8.3 12.5

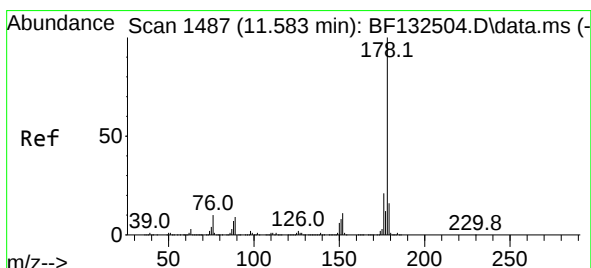
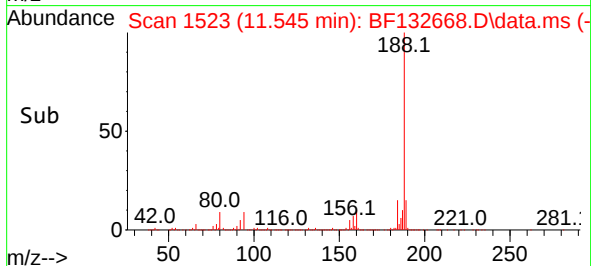
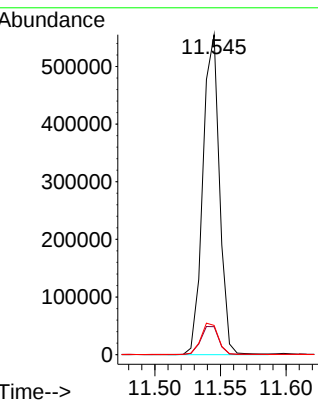
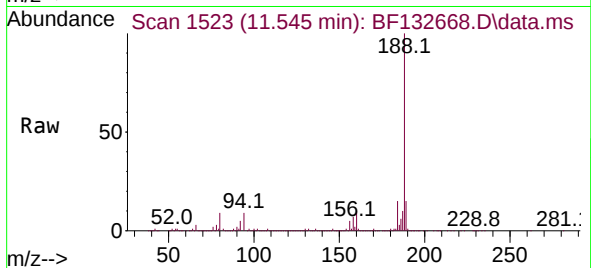
80 9.1 8.7 13.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#71

Phenanthrene

Concen: 3.718 ng

RT: 11.569 min Scan# 1527

Delta R.T. -0.009 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

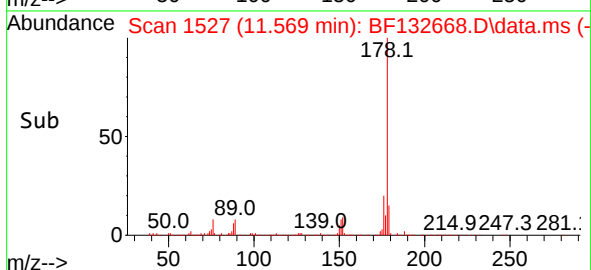
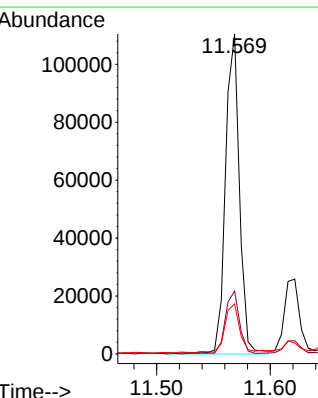
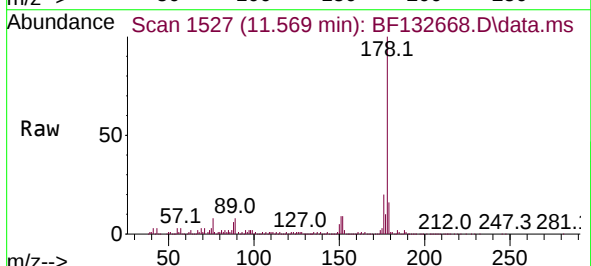
Tgt Ion:178 Resp: 94602

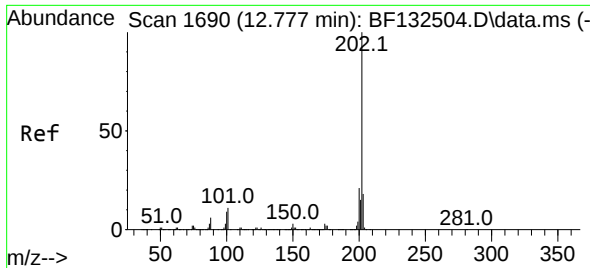
Ion Ratio Lower Upper

178 100

176 19.6 16.5 24.7

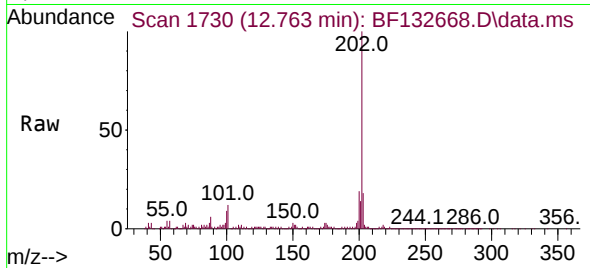
179 15.6 13.0 19.6





#75
Fluoranthene
Concen: 6.785 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

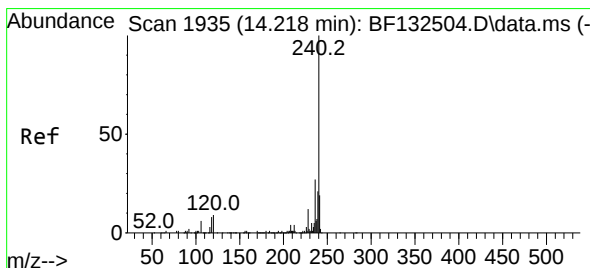
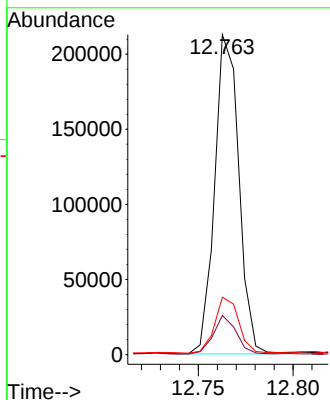
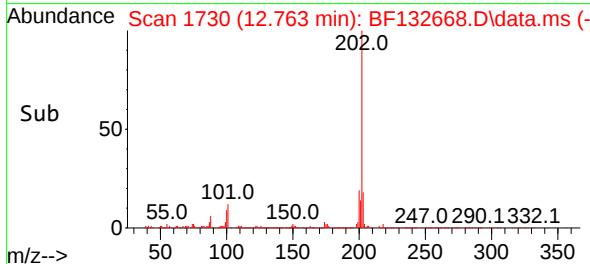
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023



Tgt Ion:202 Resp: 188721
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.4
203 17.9 0.0 38.0

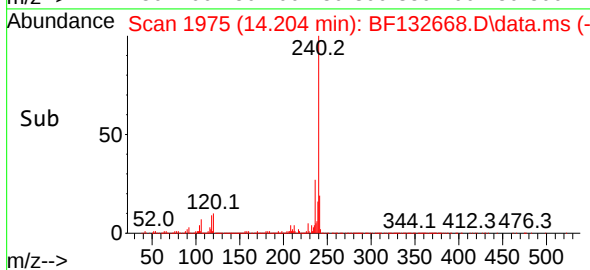
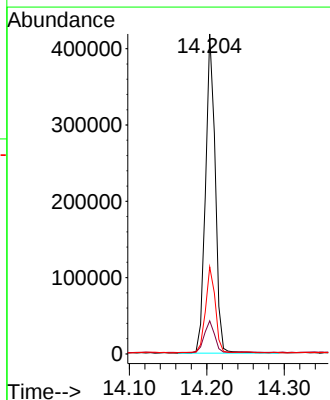
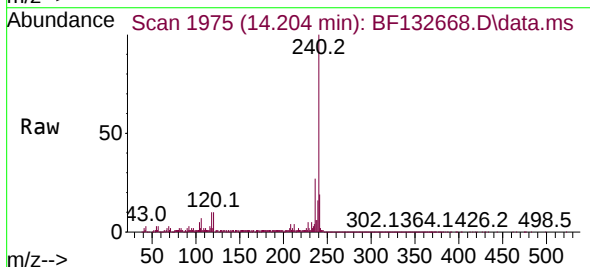
Manual Integrations
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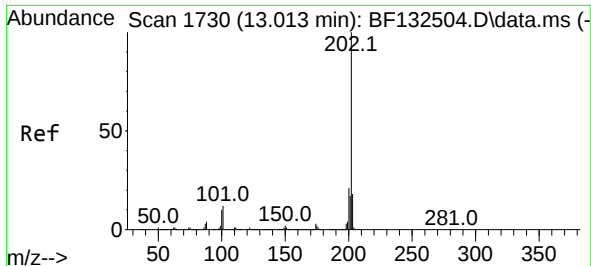
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

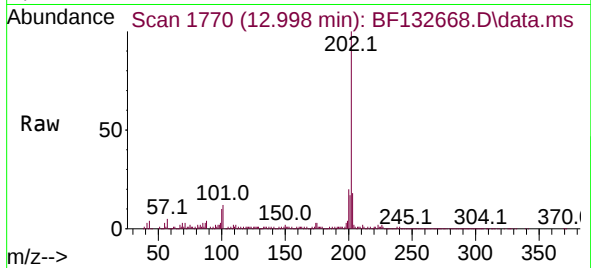
Tgt Ion:240 Resp: 364327
Ion Ratio Lower Upper
240 100
120 10.4 7.2 10.8
236 27.2 21.8 32.6





#78
 Pyrene
 Concen: 5.594 ng
 RT: 12.998 min Scan# 1770
 Delta R.T. -0.003 min
 Lab File: BF132668.D
 Acq: 07 Mar 2023 01:29

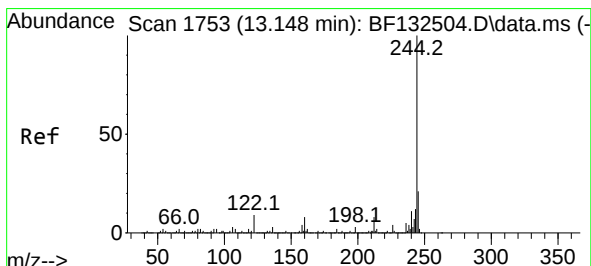
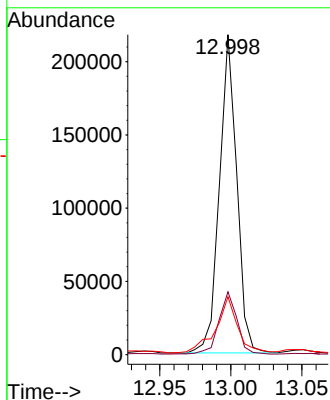
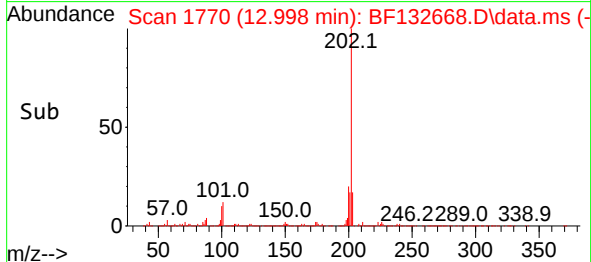
Instrument :
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Tgt Ion:202 Resp: 185288
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.1 25.7
 203 18.1 14.6 21.8

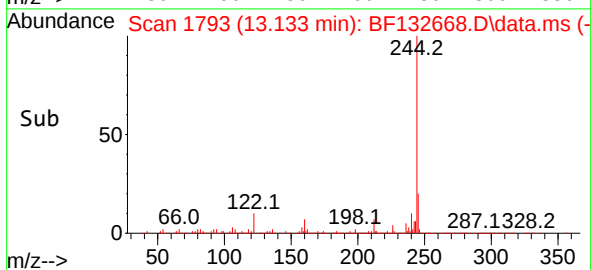
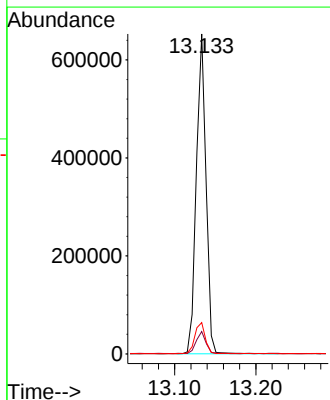
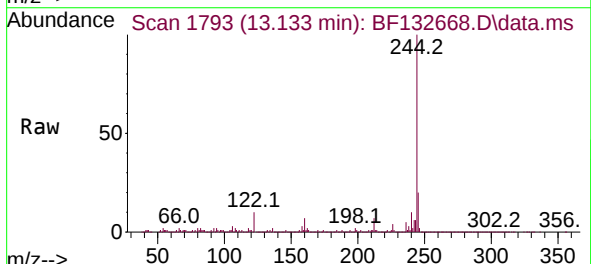
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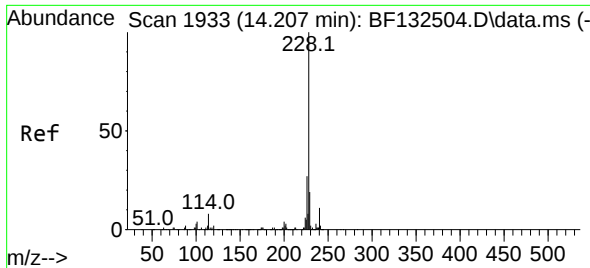
Reviewed By :Christian Giraldo 03/07/2023
 Supervised By :Jagrut Upadhyay 03/07/2023



#79
 Terphenyl-d14
 Concen: 24.933 ng
 RT: 13.133 min Scan# 1793
 Delta R.T. -0.009 min
 Lab File: BF132668.D
 Acq: 07 Mar 2023 01:29

Tgt Ion:244 Resp: 537266
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 9.8 7.5 11.3





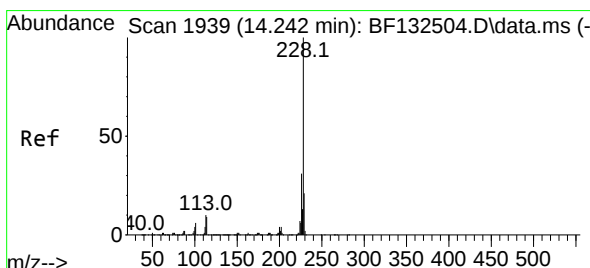
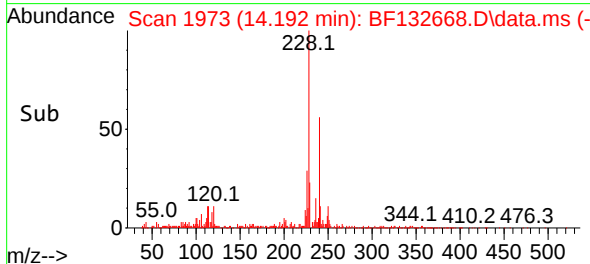
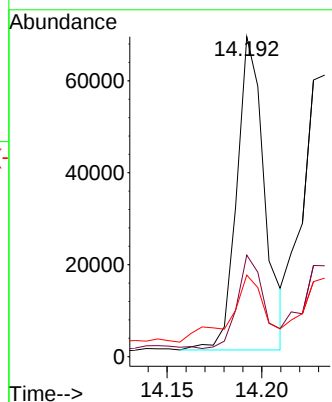
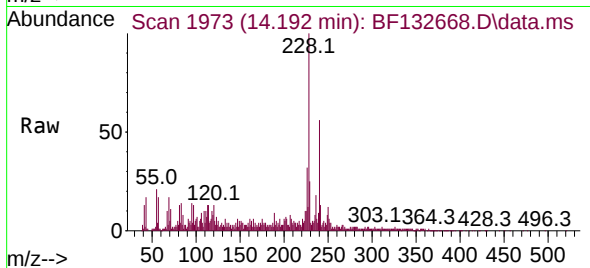
#81
Benzo(a)anthracene
Concen: 2.553 ng
RT: 14.192 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Instrument : BNA_F
ClientSampleId : OK-01-03032023

Tgt Ion:228 Resp: 69596
Ion Ratio Lower Upper
228 100
226 31.7 21.7 32.5
229 25.5 15.4 23.2

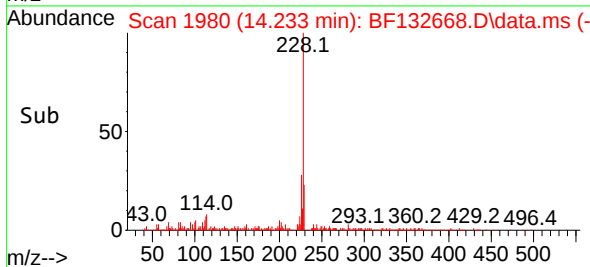
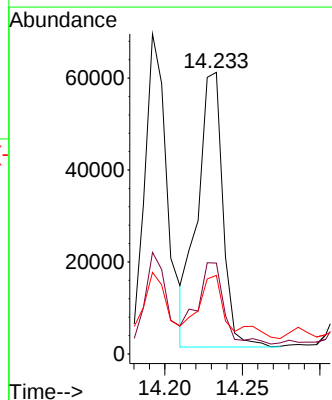
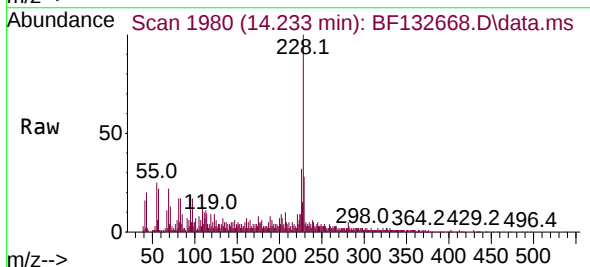
Manual Integrations
APPROVED

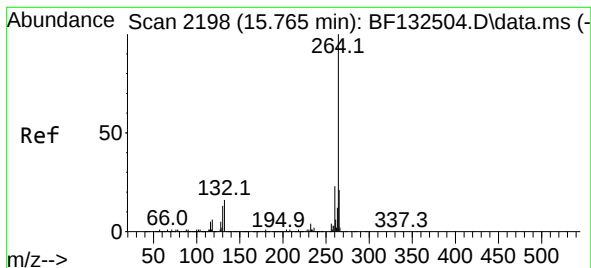
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#83
Chrysene
Concen: 2.676 ng
RT: 14.233 min Scan# 1980
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion:228 Resp: 68227
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 27.9 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.762 min Scan# 2198

Delta R.T. 0.009 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

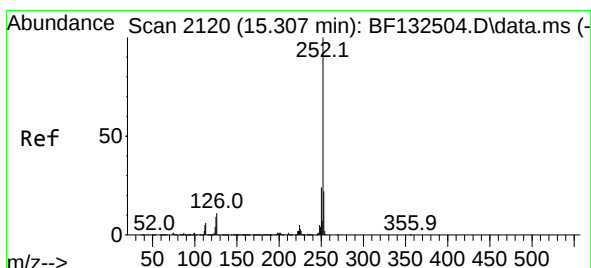
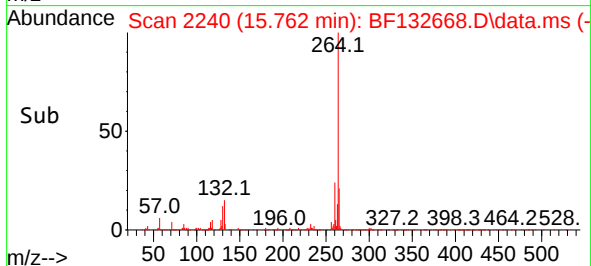
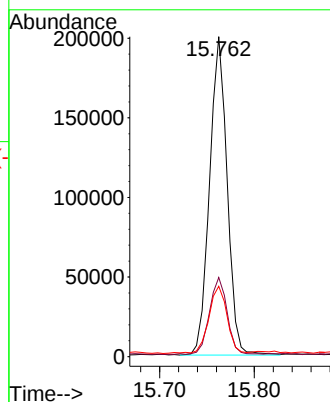
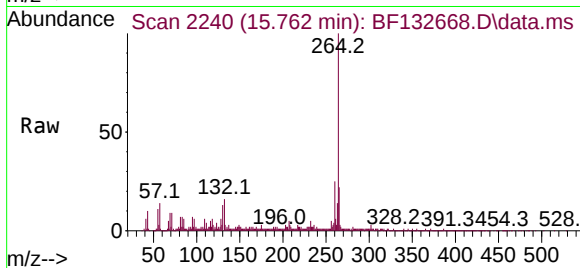
OK-01-03032023

Tgt Ion:264 Resp: 258840
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 22.0 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: 3.325 ng m

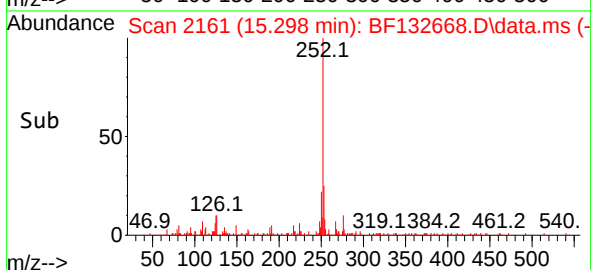
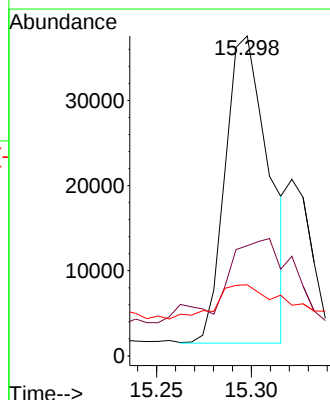
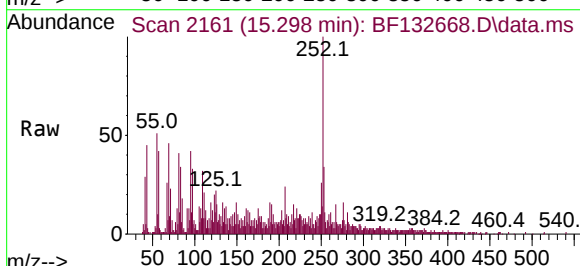
RT: 15.298 min Scan# 2161

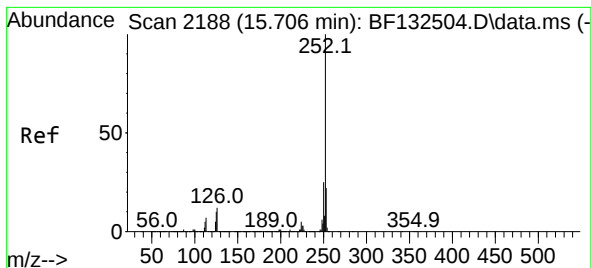
Delta R.T. 0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Tgt Ion:252 Resp: 57668
 Ion Ratio Lower Upper
 252 100
 253 34.4 17.4 26.0#
 125 22.2 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.485 ng

RT: 15.692 min Scan# 2188

Delta R.T. 0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

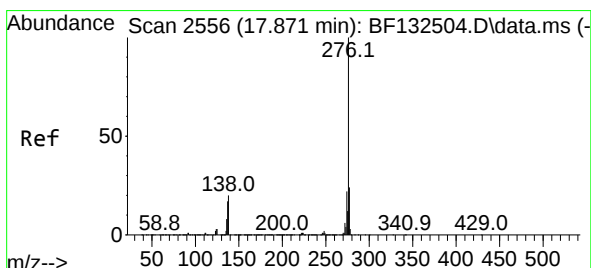
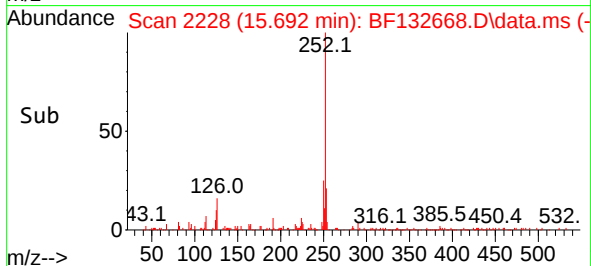
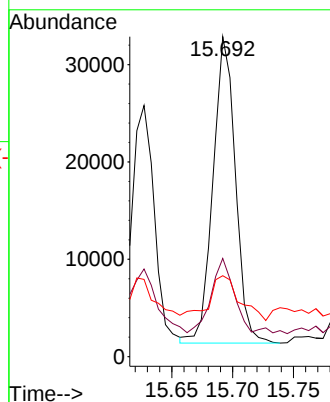
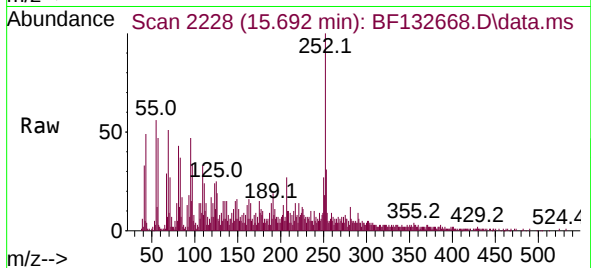
OK-01-03032023

Tgt Ion:	252	Resp:	4034
Ion Ratio	Lower	Upper	
252	100		
253	30.7	17.2	25.8
125	25.3	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: 3.271 ng

RT: 17.856 min Scan# 2596

Delta R.T. 0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Tgt Ion:	276	Resp:	26773
Ion Ratio	Lower	Upper	
276	100		
277	32.3	18.9	28.3
138	27.3	16.2	24.4

