

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132664.D
 Acq On : 06 Mar 2023 23:23
 Operator : CG\JU
 Sample : 01818-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC7

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 01:00:31 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	184936	20.000	ng	0.00
21) Naphthalene-d8	8.281	136	662602	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	334954	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	549238	20.000	ng	0.00
76) Chrysene-d12	14.198	240	342723	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	421871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	918330	80.591	ng	0.00
7) Phenol-d6	6.622	99	1165153	78.349	ng	-0.01
23) Nitrobenzene-d5	7.563	82	737392	52.800	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	257337	71.139	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1190210	54.106	ng	-0.01
79) Terphenyl-d14	13.133	244	958226	47.272	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.563	178	85786	3.015	ng	97
75) Fluoranthene	12.763	202	126103	4.054	ng	99
78) Pyrene	12.992	202	125589	4.031	ng	97
81) Benzo(a)anthracene	14.192	228	58641	2.287	ng	94
83) Chrysene	14.227	228	59255	2.471	ng	96
88) Benzo(b)fluoranthene	15.292	252	86513m	3.060	ng	
90) Benzo(a)pyrene	15.686	252	60583	2.290	ng	# 92
92) Benzo(g,h,i)perylene	17.833	276	37420	3.035	ng	# 90

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

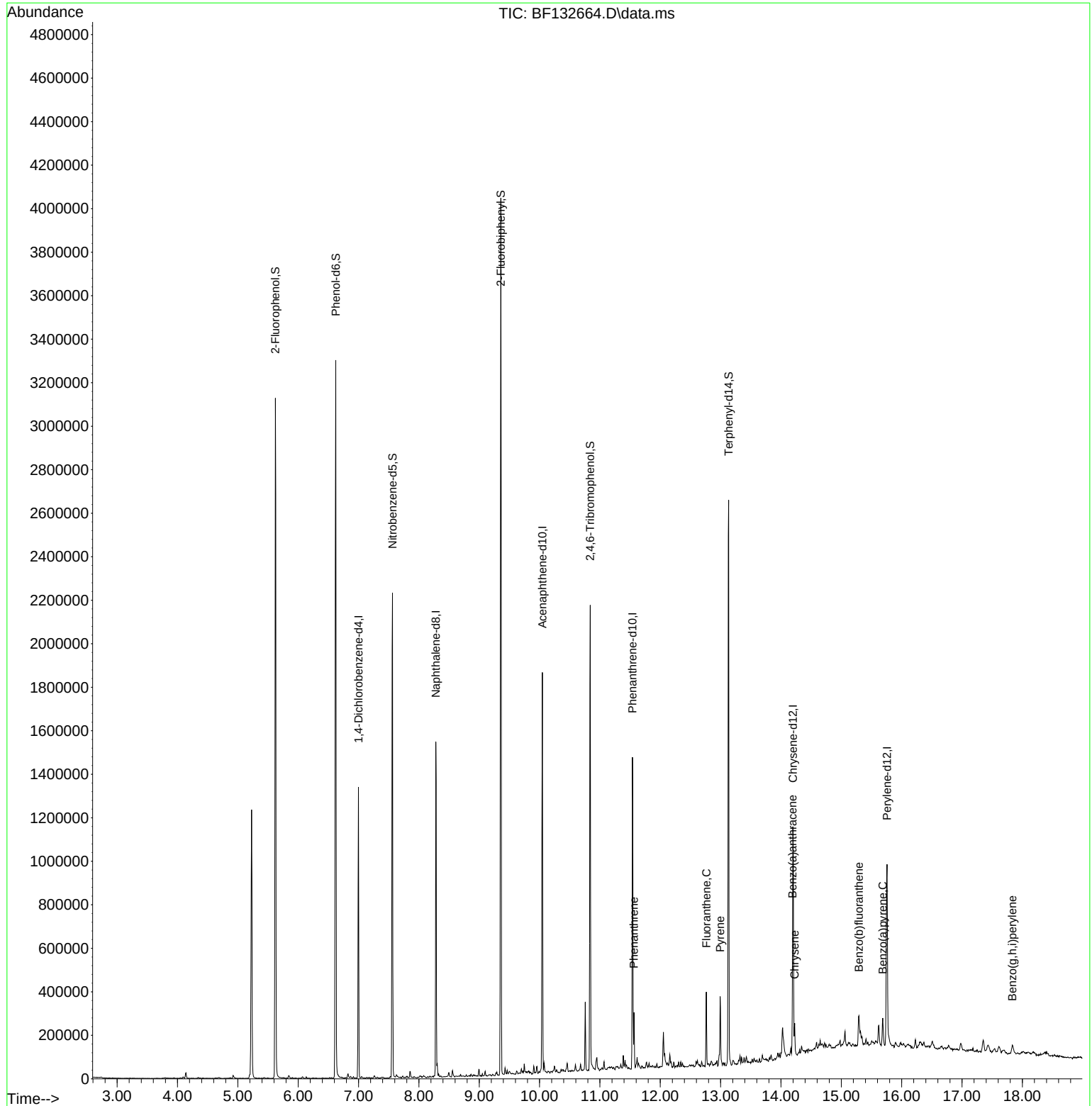
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
Data File : BF132664.D
Acq On : 06 Mar 2023 23:23
Operator : CG\JU
Sample : 01818-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

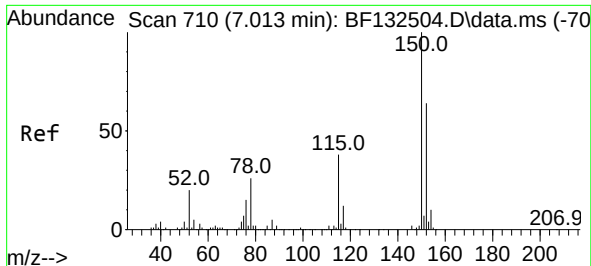
Instrument :
BNA_F
ClientSampleId :
WC7

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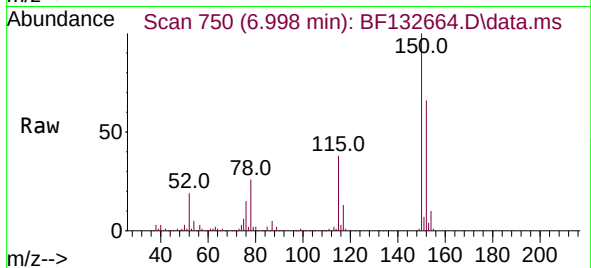
Quant Time: Mar 07 01:00:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

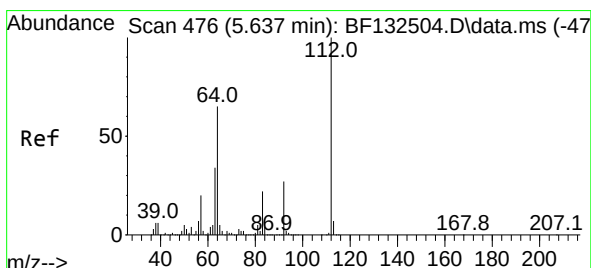
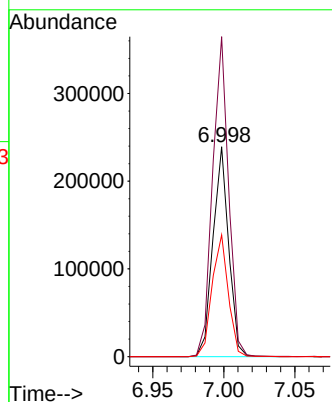
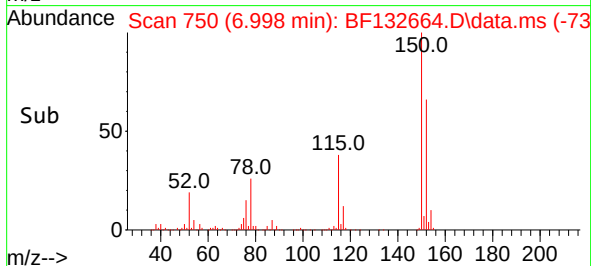
Instrument :
BNA_F
ClientSampleId :
WC7



Tgt Ion:152 Resp: 184936
Ion Ratio Lower Upper
152 100
150 152.5 125.4 188.2
115 58.0 47.8 71.6

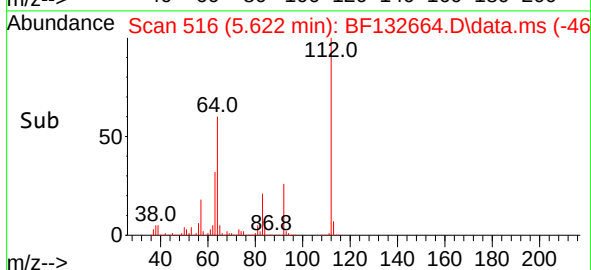
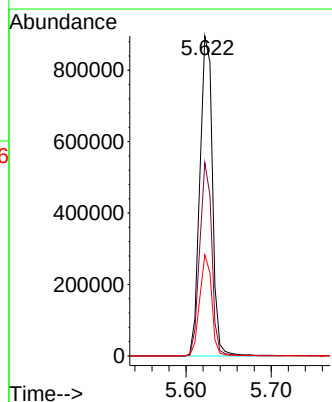
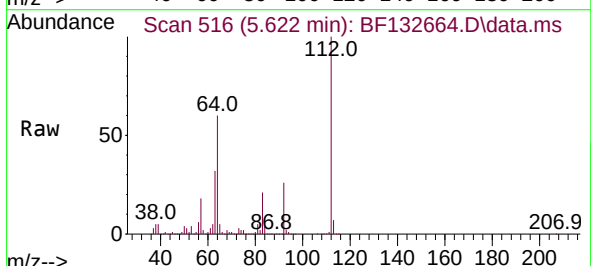
Manual Integrations
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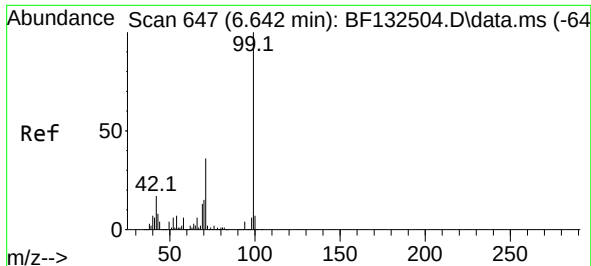
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#5
2-Fluorophenol
Concen: 80.591 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

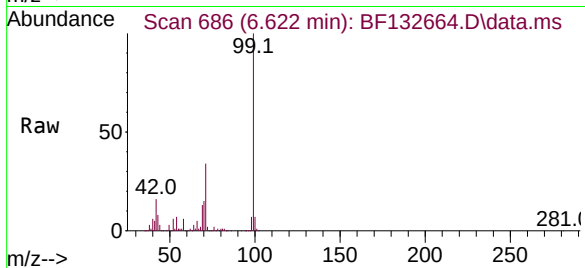
Tgt Ion:112 Resp: 918330
Ion Ratio Lower Upper
112 100
64 60.4 51.6 77.4
63 31.6 27.4 41.2





#7
Phenol-d6
Concen: 78.349 ng
RT: 6.622 min Scan# 686
Delta R.T. -0.015 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

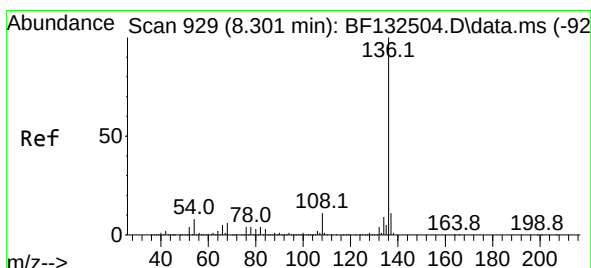
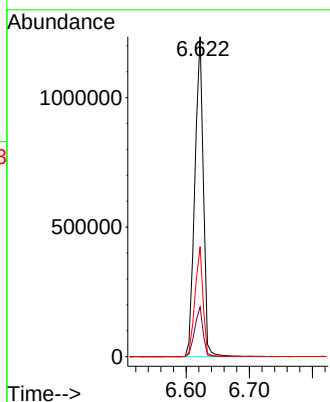
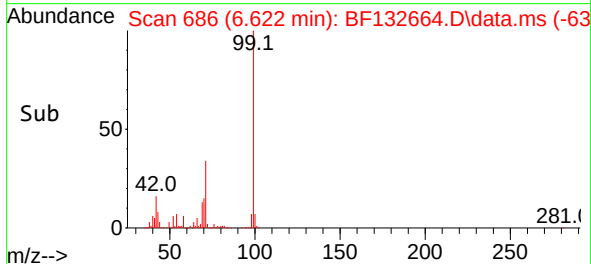
Instrument :
BNA_F
ClientSampleId :
WC7



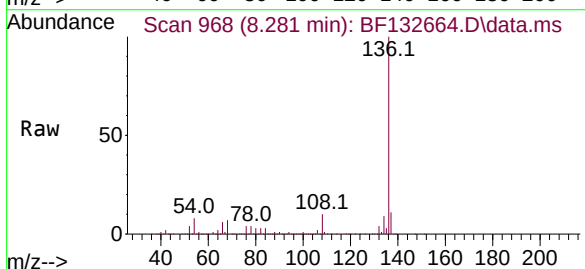
Tgt Ion: 99 Resp: 116515
Ion Ratio Lower Upper
99 100
42 15.5 13.9 20.9
71 34.3 28.5 42.7

Manual Integrations
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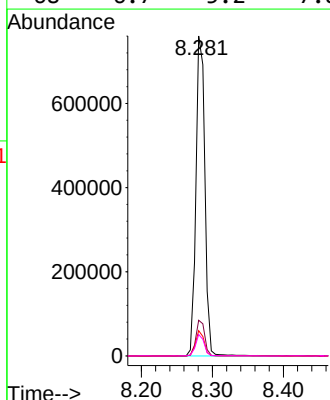
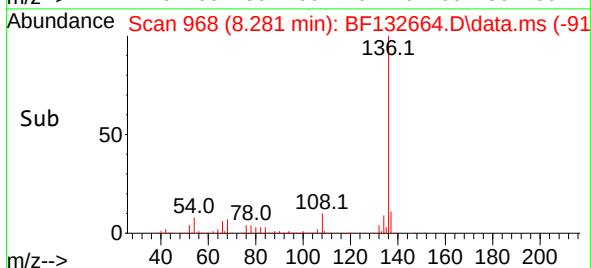
Reviewed By :Christian Giraldo 03/07/2023
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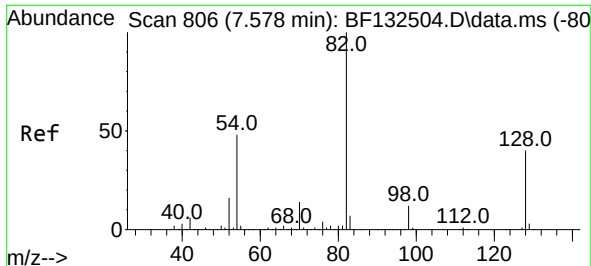


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.281 min Scan# 968
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23



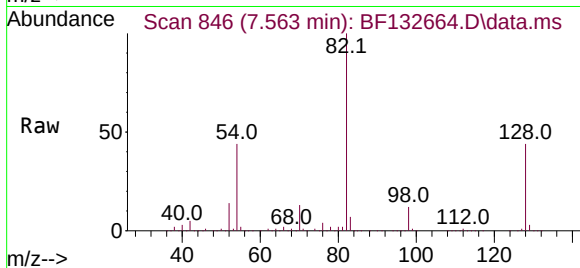
Tgt Ion:136 Resp: 662602
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.9 6.2 9.4
68 6.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 52.800 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

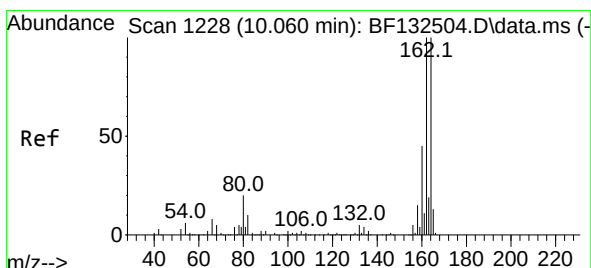
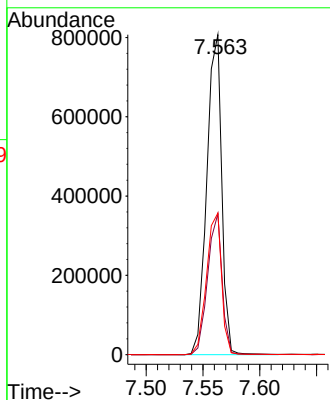
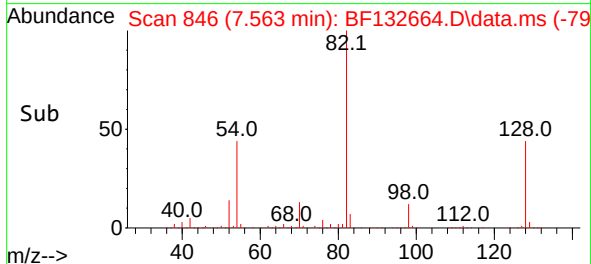
Instrument :
BNA_F
ClientSampleId :
WC7



Tgt Ion: 82 Resp: 737392
Ion Ratio Lower Upper
82 100
128 44.0 32.2 48.2
54 44.2 38.4 57.6

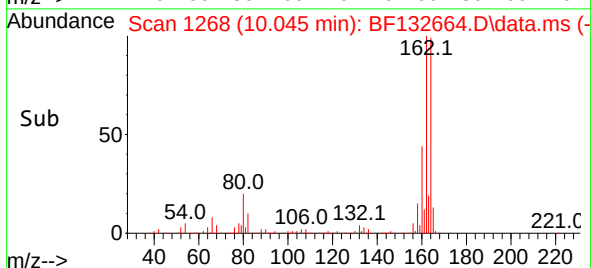
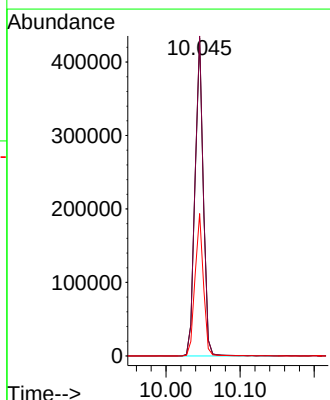
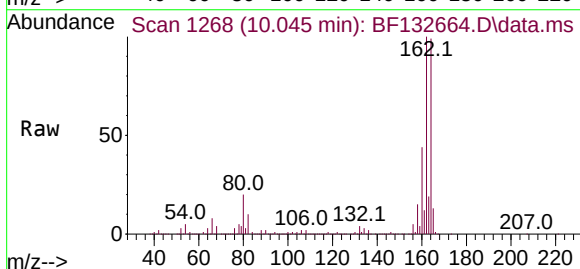
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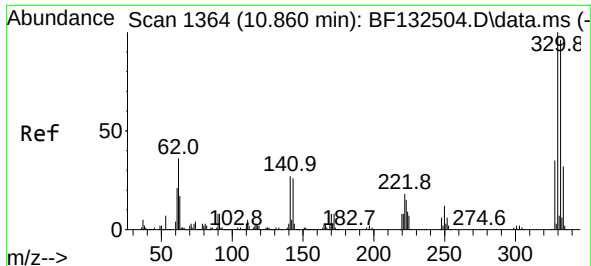
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

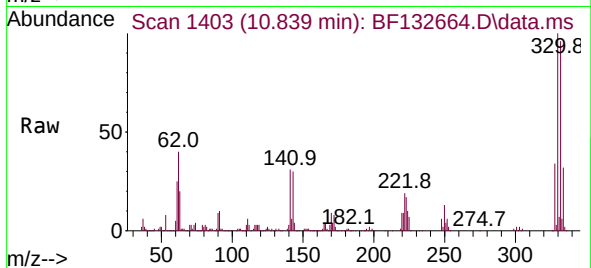
Tgt Ion:164 Resp: 334954
Ion Ratio Lower Upper
164 100
162 100.7 79.8 119.8
160 44.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 71.139 ng
RT: 10.839 min Scan# 141
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

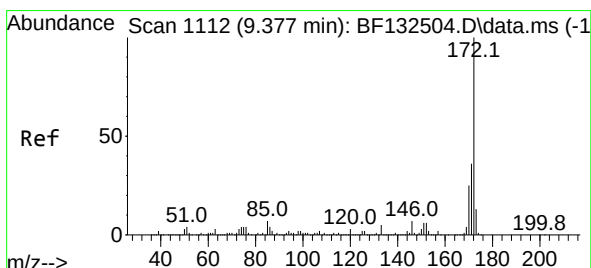
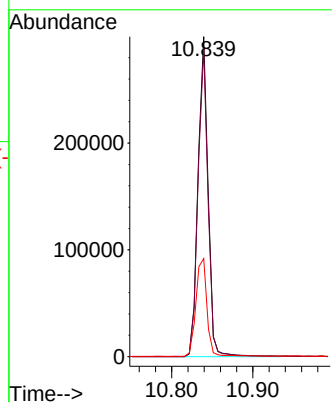
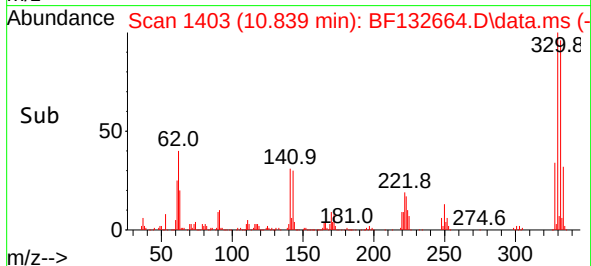
Instrument :
BNA_F
ClientSampleId :
WC7



Tgt Ion: 330 Resp: 25733
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 33.5 28.4 42.6

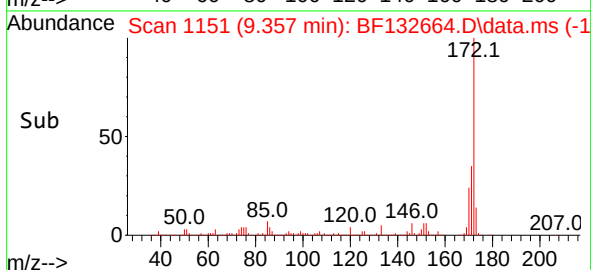
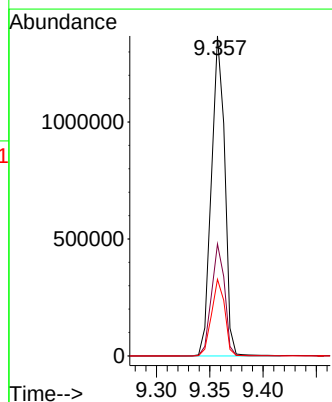
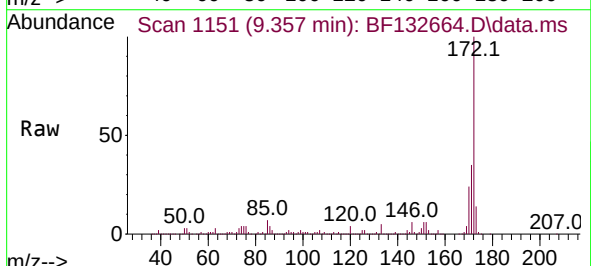
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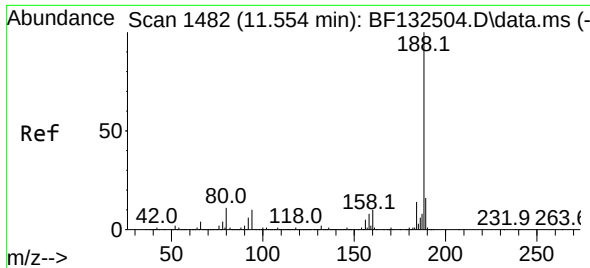
Reviewed By : Christian Giraldo 03/07/2023
Supervised By : Jagrut Upadhyay 03/07/2023



#45
2-Fluorobiphenyl
Concen: 54.106 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion: 172 Resp: 1190210
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.9 19.7 29.5





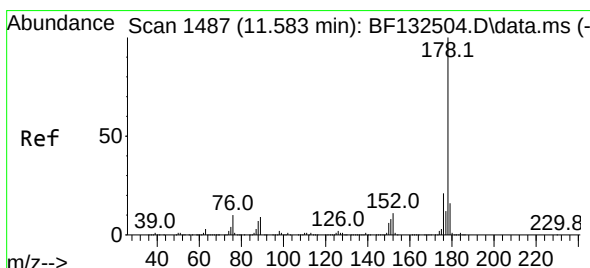
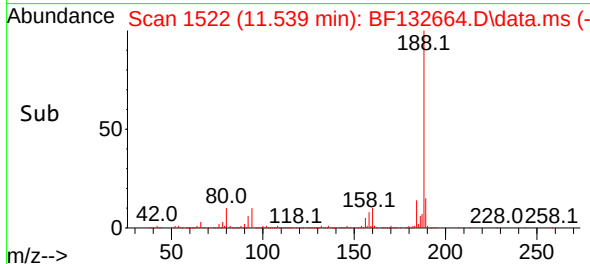
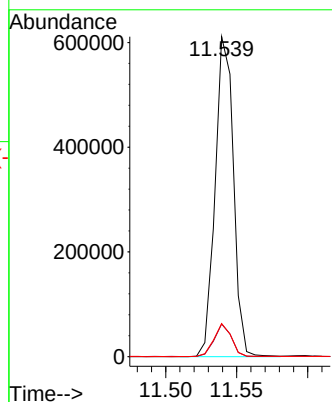
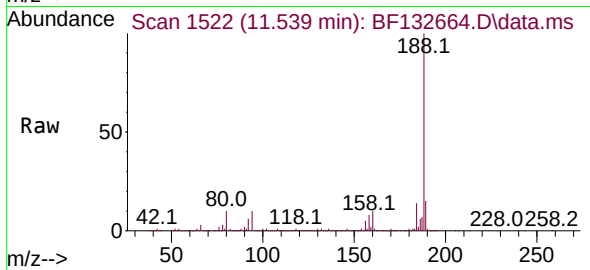
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Instrument :
BNA_F
ClientSampleId :
WC7

Tgt Ion:188 Resp: 549238
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 10.3 8.7 13.1

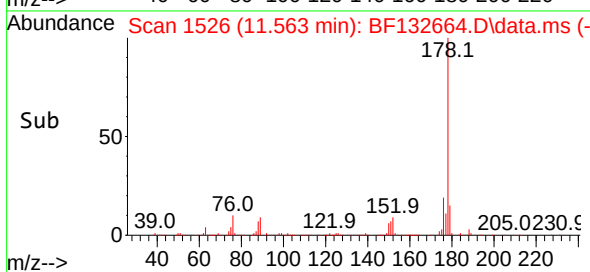
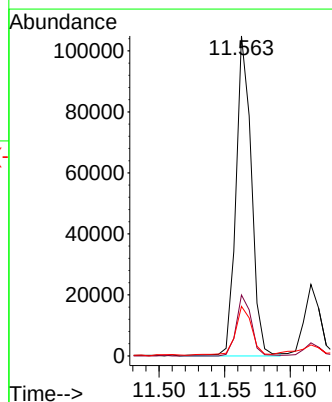
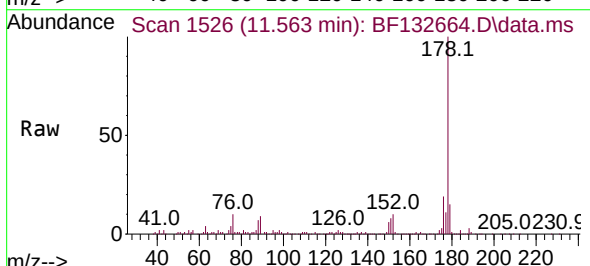
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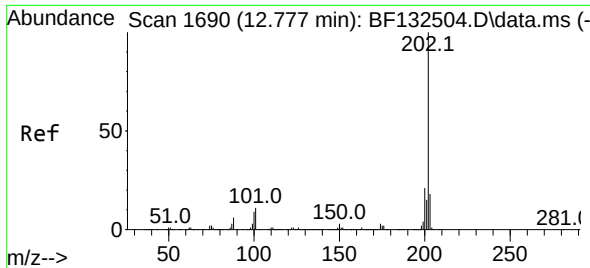
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#71
Phenanthrene
Concen: 3.015 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

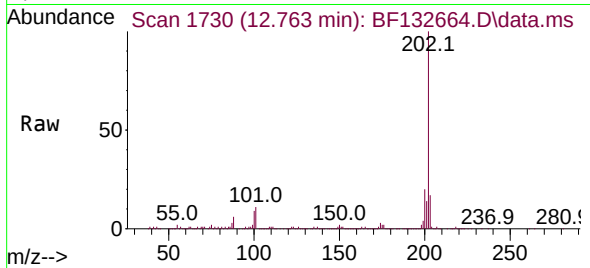
Tgt Ion:178 Resp: 85786
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.5 13.0 19.6





#75
Fluoranthene
Concen: 4.054 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

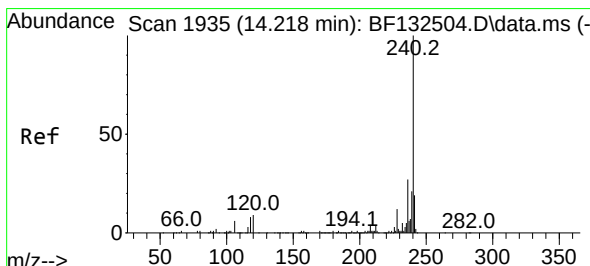
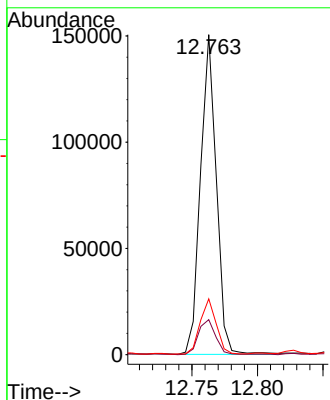
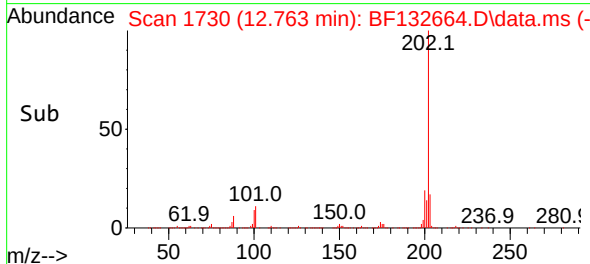
Instrument :
BNA_F
ClientSampleId :
WC7



Tgt Ion:202 Resp: 126103
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.4 0.0 38.0

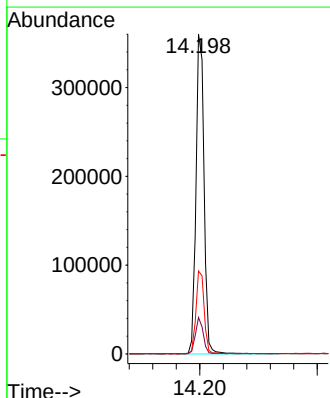
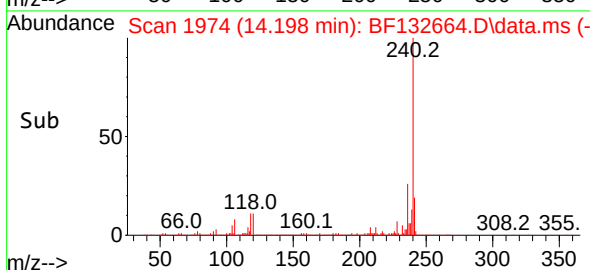
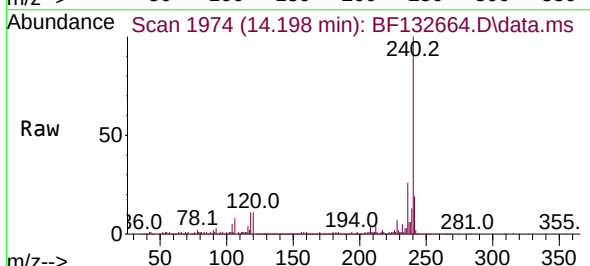
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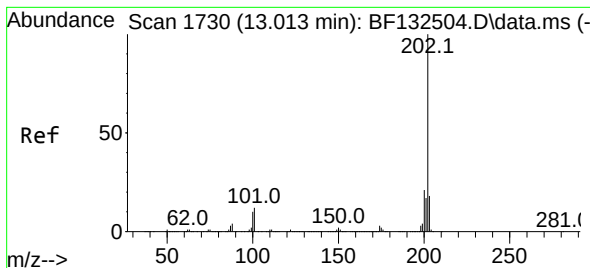
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:240 Resp: 342723
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8#
236 25.9 21.8 32.6





#78

Pyrene

Concen: 4.031 ng

RT: 12.992 min Scan# 1769

Delta R.T. -0.009 min

Lab File: BF132664.D

Acq: 06 Mar 2023 23:23

Instrument :

BNA_F

ClientSampleId :

WC7

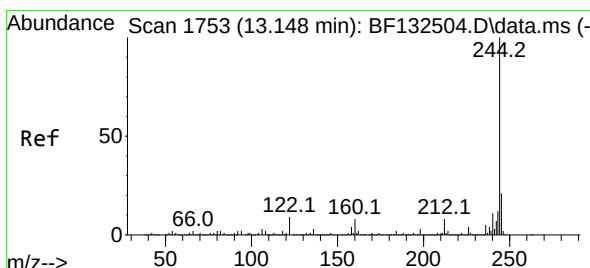
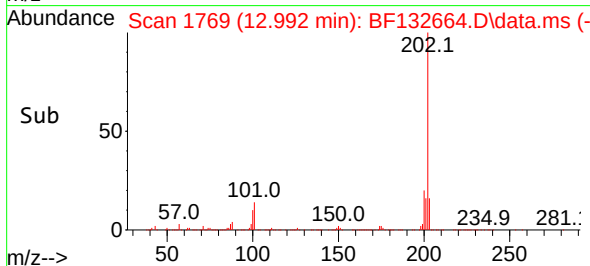
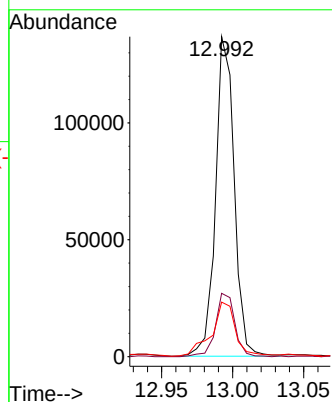
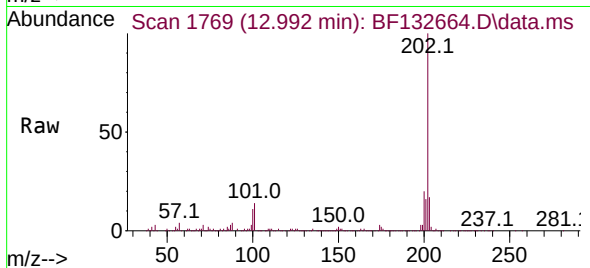
Tgt Ion:	202	Resp:	125589
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.1	25.7
203	17.0	14.6	21.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/07/2023



#79

Terphenyl-d14

Concen: 47.272 ng

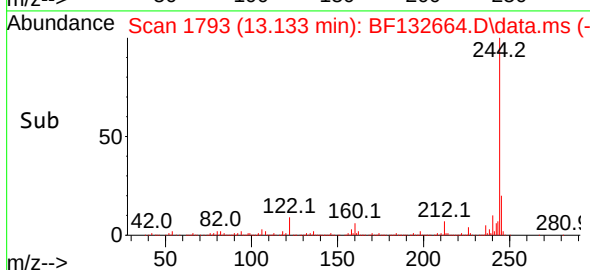
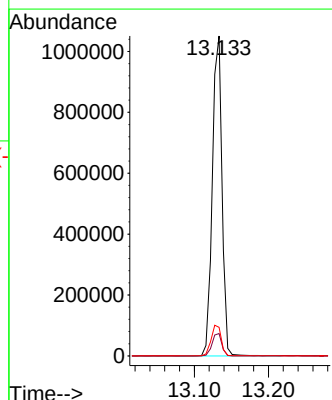
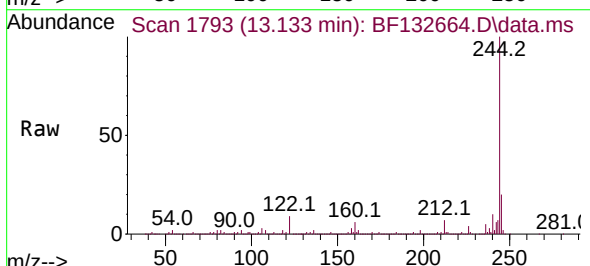
RT: 13.133 min Scan# 1793

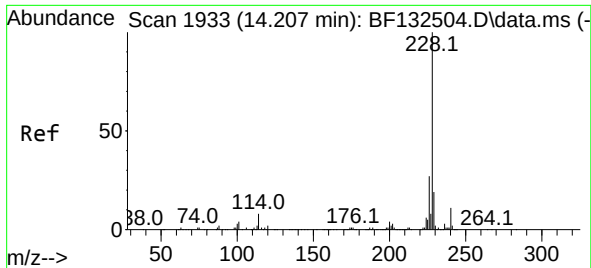
Delta R.T. -0.009 min

Lab File: BF132664.D

Acq: 06 Mar 2023 23:23

Tgt Ion:	244	Resp:	958226
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.5	9.7
122	8.9	7.5	11.3





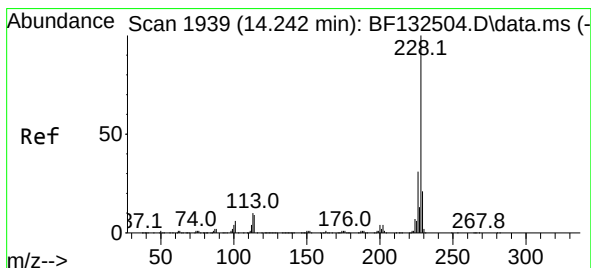
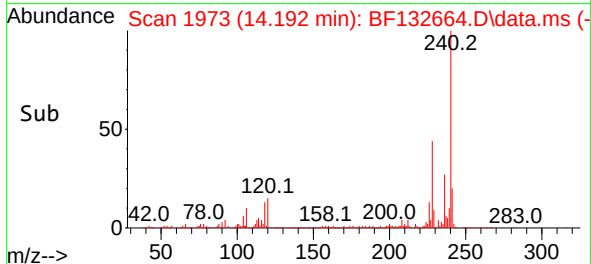
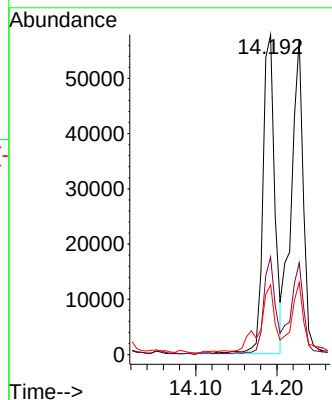
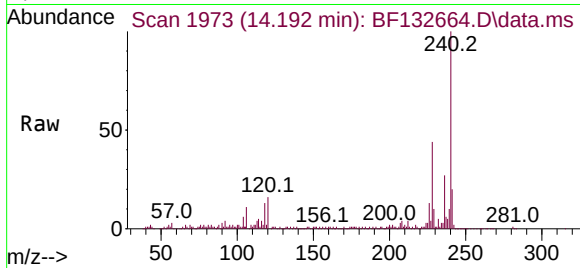
#81
Benzo(a)anthracene
Concen: 2.287 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Instrument :
BNA_F
ClientSampleId :
WC7

Tgt Ion:228 Resp: 5864
Ion Ratio Lower Upper
228 100
226 30.5 21.7 32.5
229 21.8 15.4 23.2

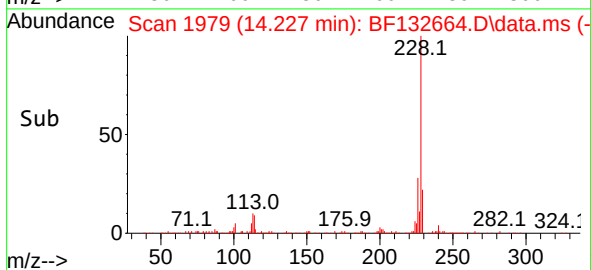
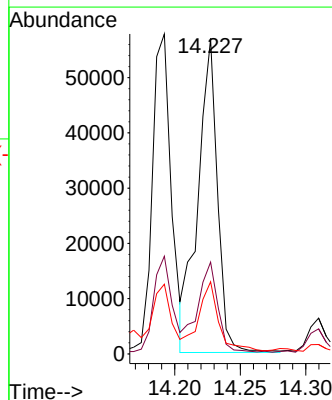
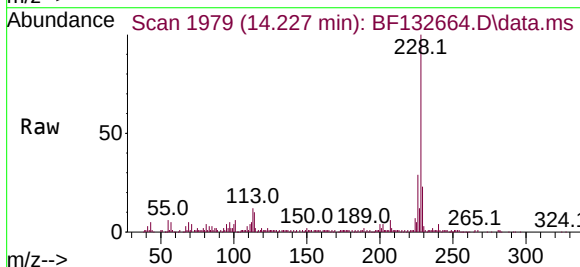
Manual Integrations
APPROVED

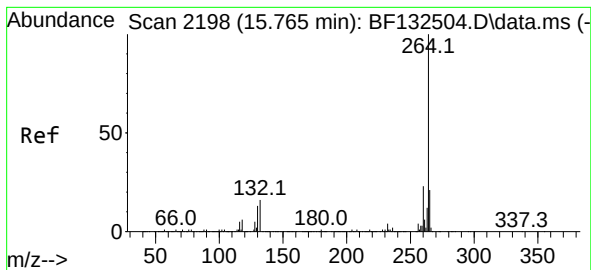
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#83
Chrysene
Concen: 2.471 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:228 Resp: 59255
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.9 16.4 24.6





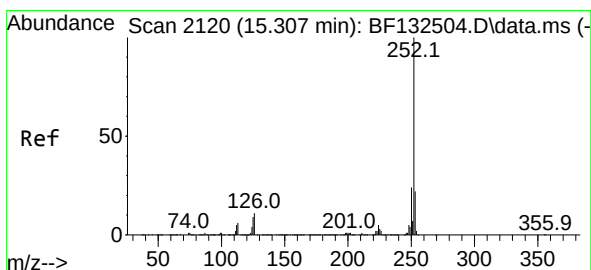
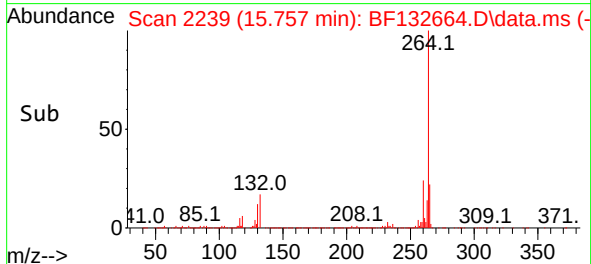
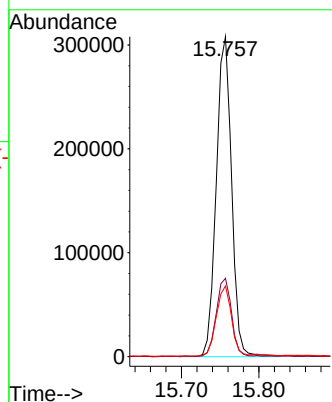
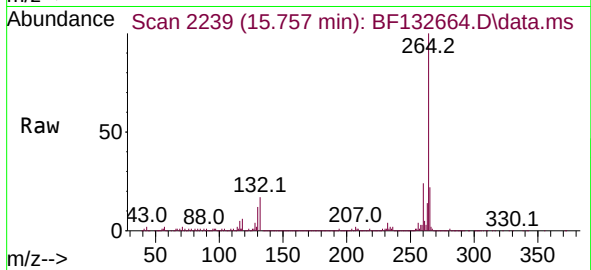
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Instrument :
BNA_F
ClientSampleId :
WC7

Tgt Ion:264 Resp: 42187
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.1 17.1 25.7

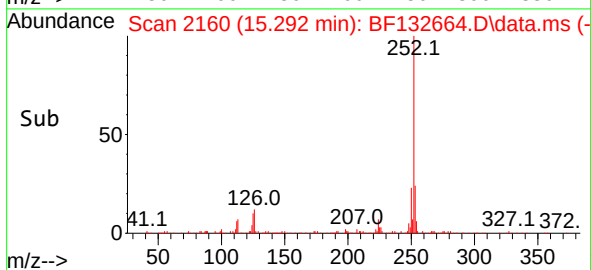
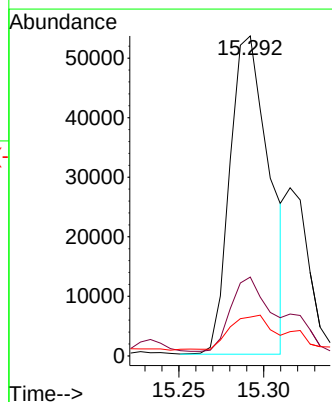
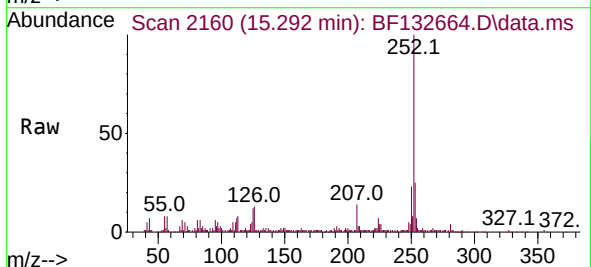
Manual Integrations
APPROVED

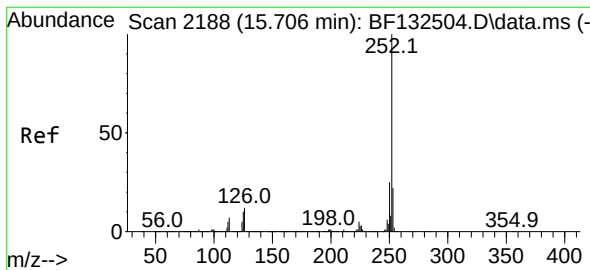
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#88
Benzo(b)fluoranthene
Concen: 3.060 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

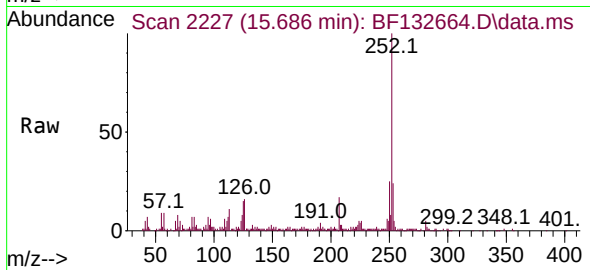
Tgt Ion:252 Resp: 86513
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 12.1 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 2.290 ng
RT: 15.686 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

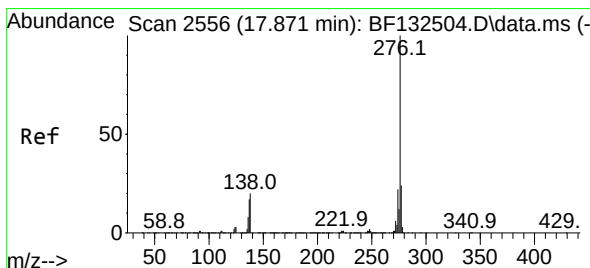
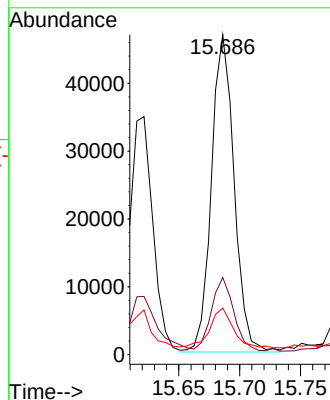
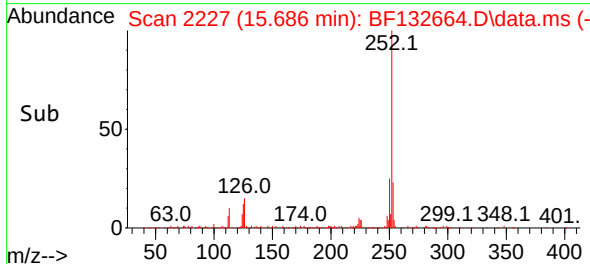
Instrument :
BNA_F
ClientSampleId :
WC7



Tgt Ion:252 Resp: 60583
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 14.5 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: 3.035 ng
RT: 17.833 min Scan# 2592
Delta R.T. -0.020 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:276 Resp: 37420
Ion Ratio Lower Upper
276 100
277 25.6 18.9 28.3
138 28.2 16.2 24.4

