

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132602.D
 Acq On : 01 Mar 2023 20:58
 Operator : CG\JU
 Sample : 01725-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-022723

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/02/2023

Quant Time: Mar 02 03:21:44 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	7.004	152	183836	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	609176	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	278951	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	532553	20.000	ng	0.00
76) Chrysene-d12	14.204	240	371458	20.000	ng	# 0.00
86) Perylene-d12	15.763	264	283216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	442256	39.044	ng	0.00
7) Phenol-d6	6.622	99	525785	35.567	ng	-0.01
23) Nitrobenzene-d5	7.563	82	291641	22.714	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	99717	33.100	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	458952	25.052	ng	0.00
79) Terphenyl-d14	13.133	244	531008	24.170	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.910	152	59515	2.234	ng	97
71) Phenanthrene	11.569	178	209145	7.581	ng	97
72) Anthracene	11.622	178	90330	3.179	ng	98
75) Fluoranthene	12.769	202	468197	15.524	ng	100
78) Pyrene	12.998	202	585013	17.322	ng	99
81) Benzo(a)anthracene	14.192	228	226377m	8.145	ng	
83) Chrysene	14.233	228	220075	8.468	ng	97
87) Indeno(1,2,3-cd)pyrene	17.368	276	67835	3.655	ng	95
88) Benzo(b)fluoranthene	15.298	252	160358m	8.449	ng	
89) Benzo(k)fluoranthene	15.327	252	56221m	3.027	ng	
90) Benzo(a)pyrene	15.698	252	142051	7.997	ng	# 91
92) Benzo(g,h,i)perylene	17.862	276	75035	5.858	ng	# 89

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

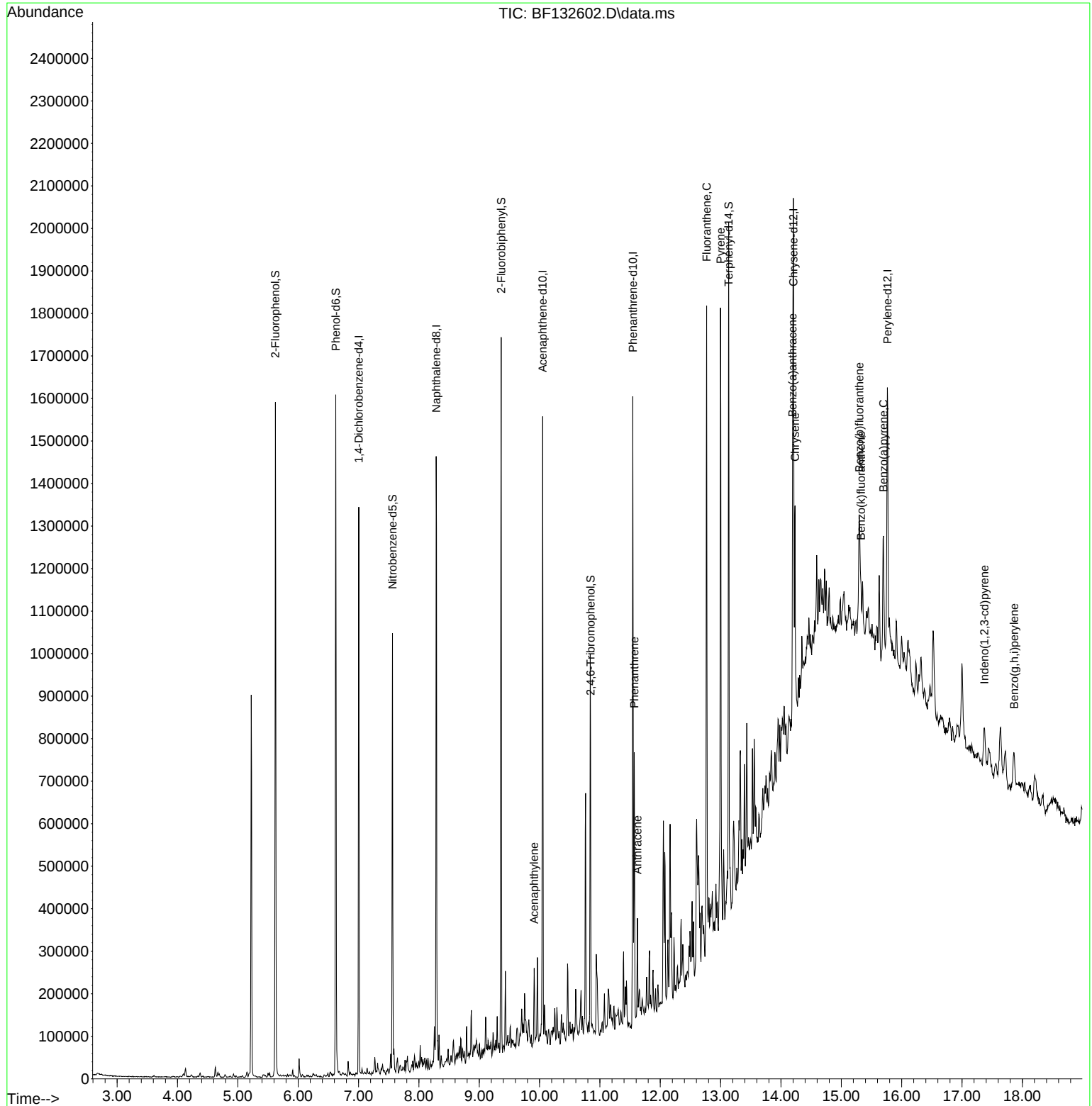
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
Data File : BF132602.D
Acq On : 01 Mar 2023 20:58
Operator : CG\JU
Sample : 01725-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

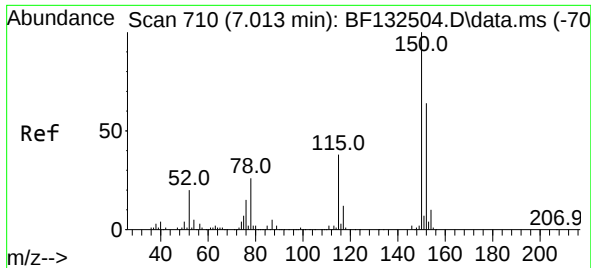
Instrument :
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Quant Time: Mar 02 03:21:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
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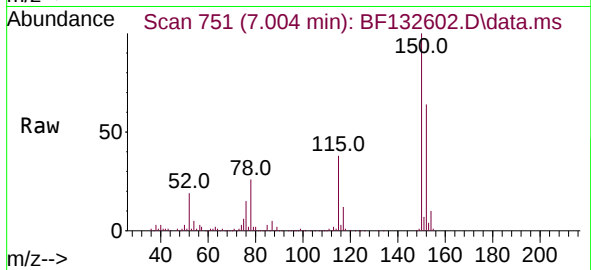
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.004 min Scan# 710
 Delta R.T. -0.003 min
 Lab File: BF132602.D
 Acq: 01 Mar 2023 20:58

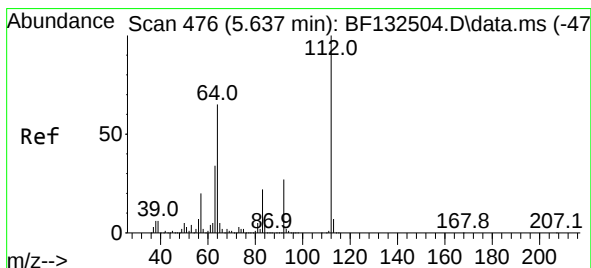
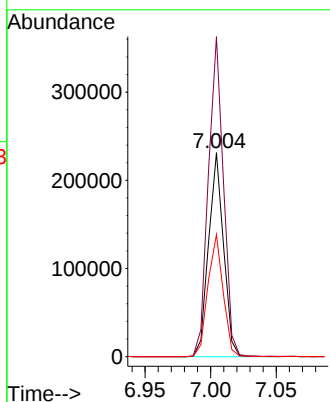
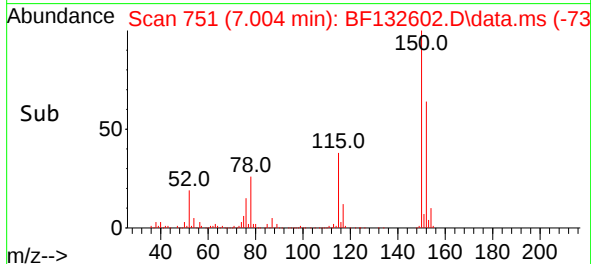
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-022723



Tgt Ion:152 Resp: 183836
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.4 188.2
 115 59.8 47.8 71.6

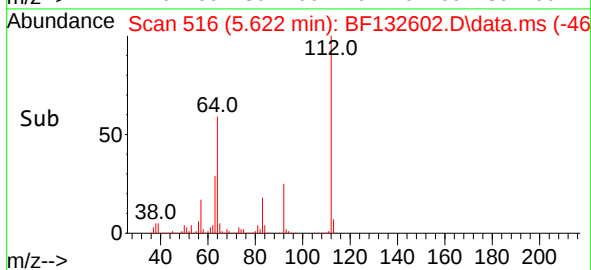
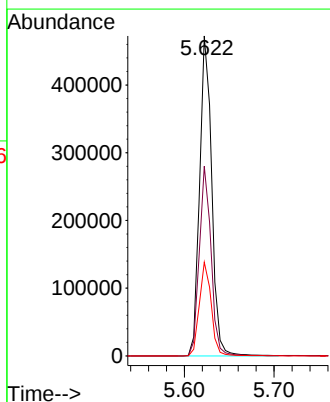
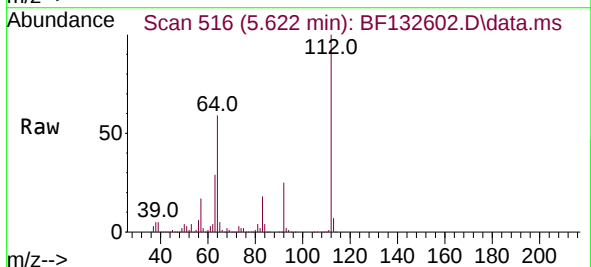
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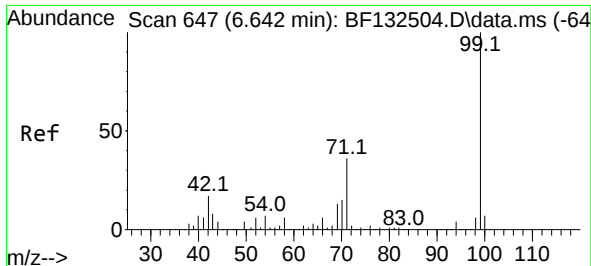
Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/02/2023



#5
 2-Fluorophenol
 Concen: 39.044 ng
 RT: 5.622 min Scan# 516
 Delta R.T. -0.009 min
 Lab File: BF132602.D
 Acq: 01 Mar 2023 20:58

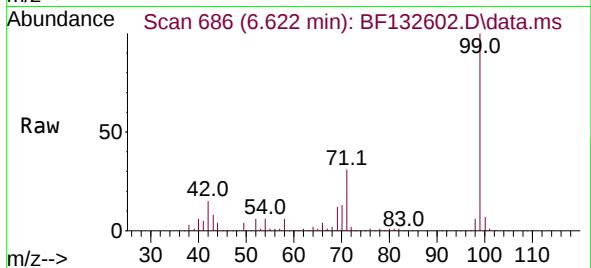
Tgt Ion:112 Resp: 442256
 Ion Ratio Lower Upper
 112 100
 64 59.3 51.6 77.4
 63 29.3 27.4 41.2





#7
Phenol-d6
Concen: 35.567 ng
RT: 6.622 min Scan# 686
Delta R.T. -0.014 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

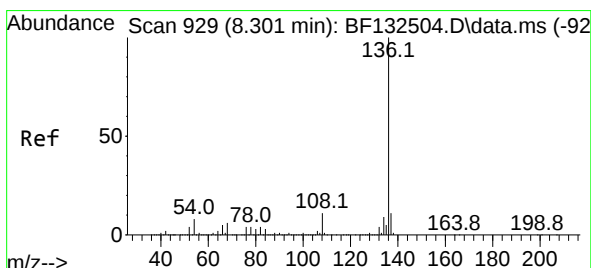
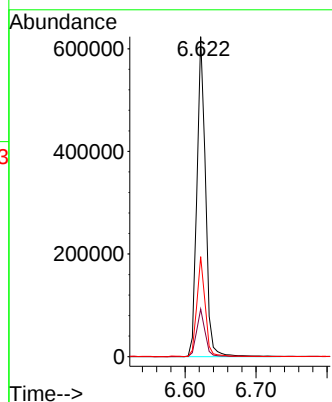
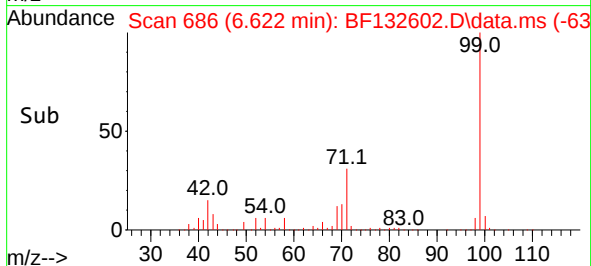
Instrument :
BNA_F
ClientSampleId :
EO-01-022723



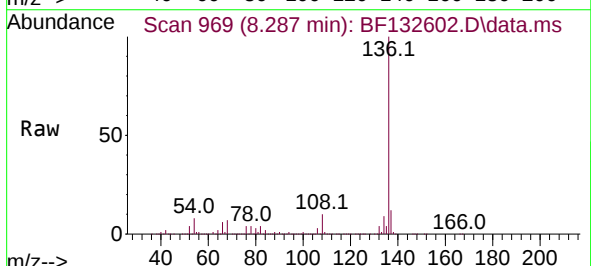
Tgt Ion: 99 Resp: 525785
Ion Ratio Lower Upper
99 100
42 14.9 13.9 20.9
71 31.2 28.5 42.7

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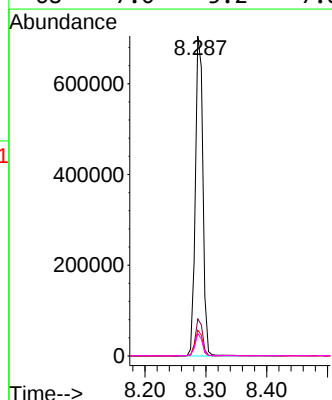
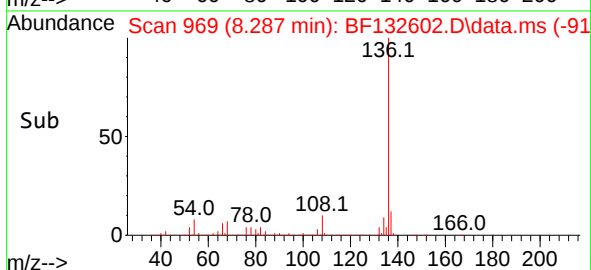
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

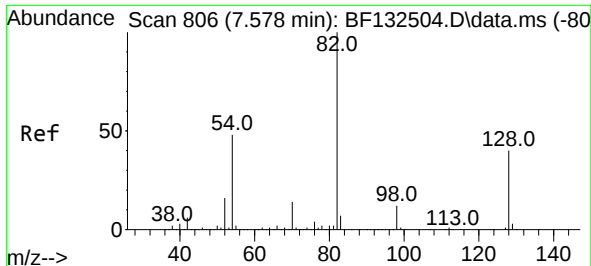


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58



Tgt Ion:136 Resp: 609176
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.0 6.2 9.4
68 7.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 22.714 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

Tgt Ion: 82 Resp: 29164

Ion Ratio Lower Upper

82 100

128 45.1 32.2 48.2

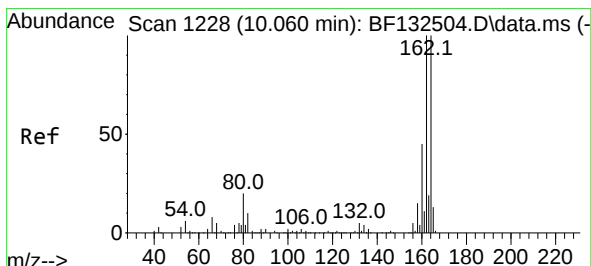
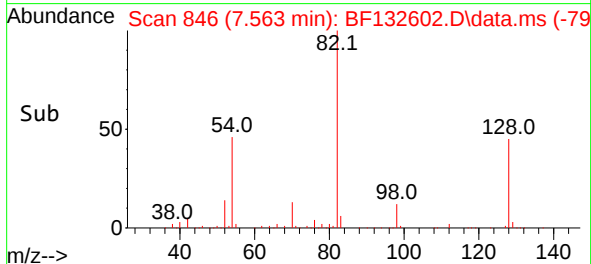
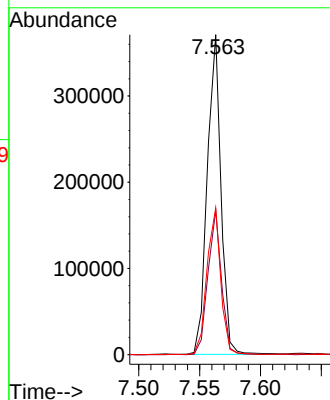
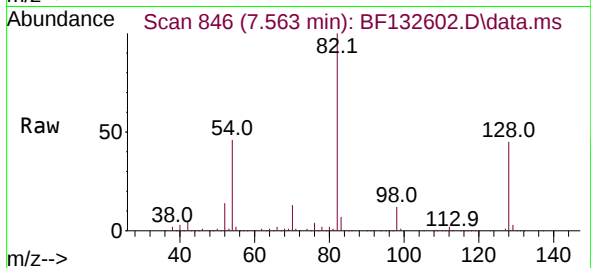
54 45.8 38.4 57.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/02/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.051 min Scan# 1269

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

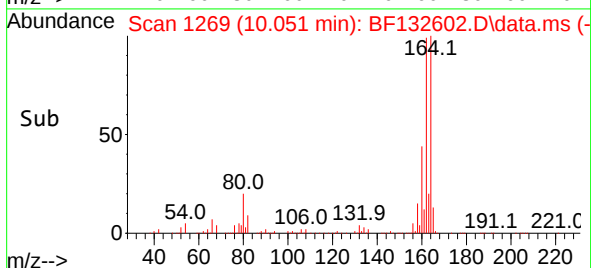
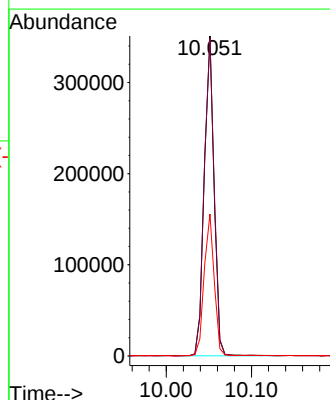
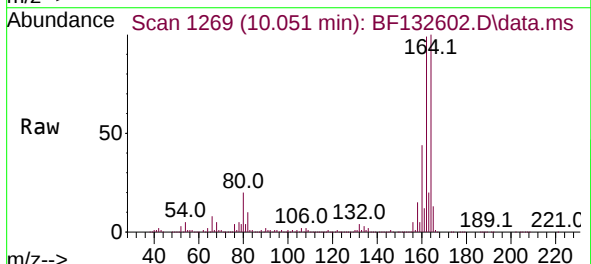
Tgt Ion:164 Resp: 278951

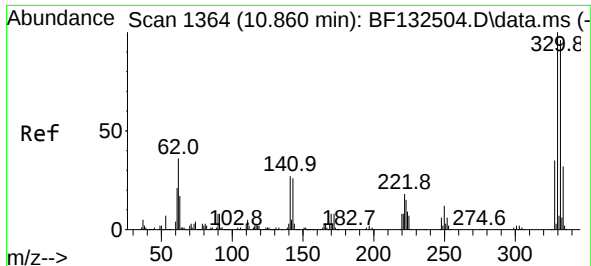
Ion Ratio Lower Upper

164 100

162 99.2 79.8 119.8

160 44.3 35.8 53.6





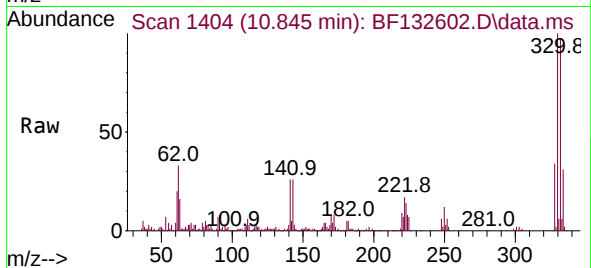
#42
2,4,6-Tribromophenol
Concen: 33.100 ng
RT: 10.845 min Scan# 1404
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723



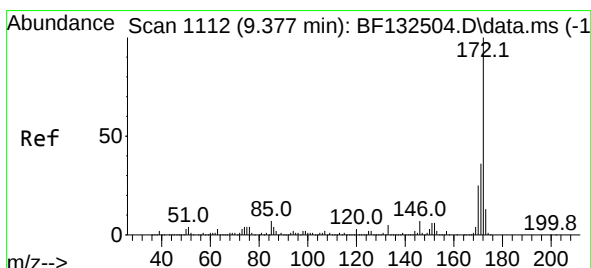
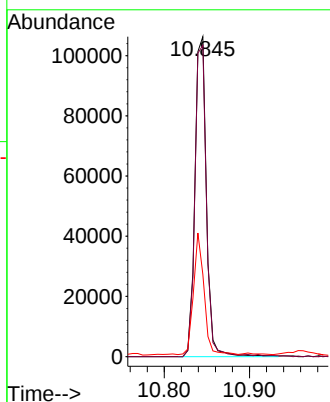
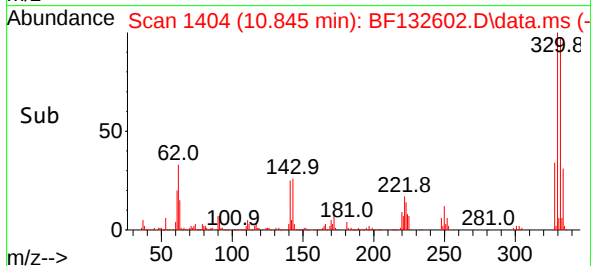
Tgt Ion: 330 Resp: 9971
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 35.4 28.4 42.6

Manual Integrations

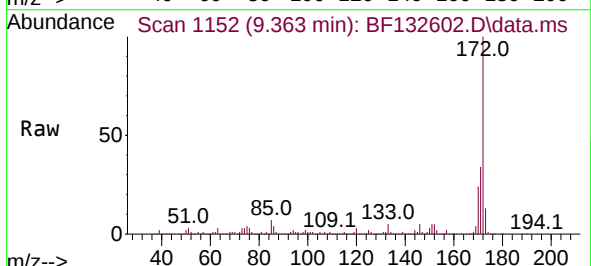
APPROVED

Reviewed By : Yogesh Patel 03/02/2023

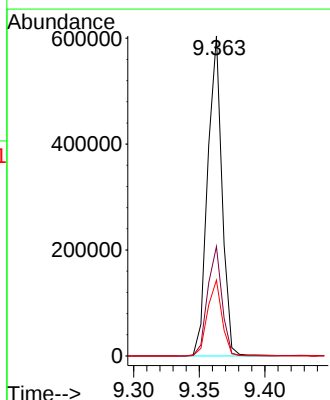
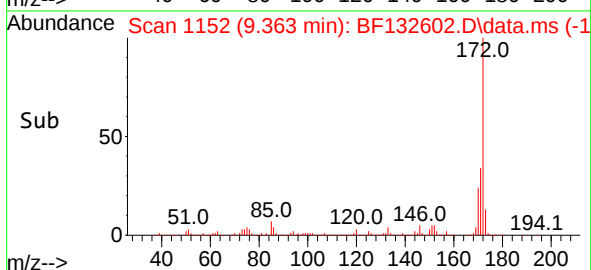
Supervised By : Jagrut Upadhyay 03/02/2023

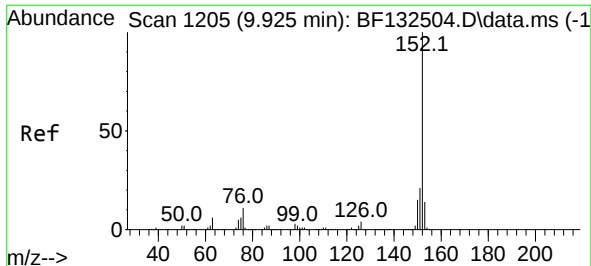


#45
2-Fluorobiphenyl
Concen: 25.052 ng
RT: 9.363 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58



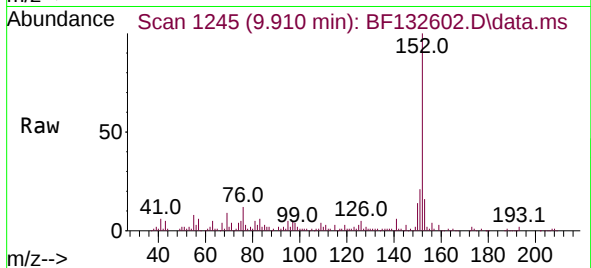
Tgt Ion: 172 Resp: 458952
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 23.7 19.7 29.5





#49
Acenaphthylene
Concen: 2.234 ng
RT: 9.910 min Scan# 1523
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

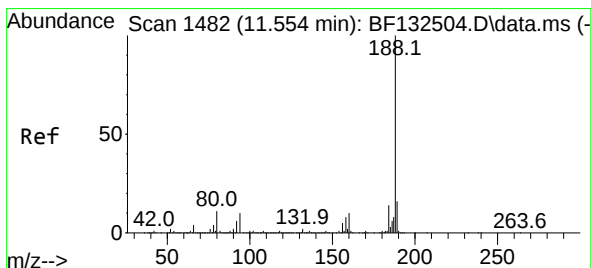
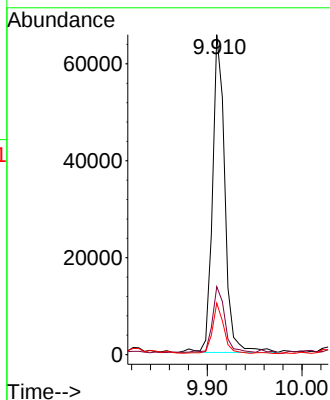
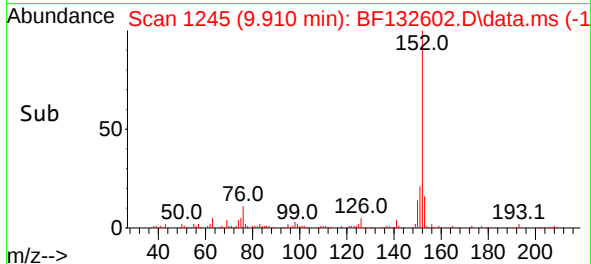
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EO-01-022723



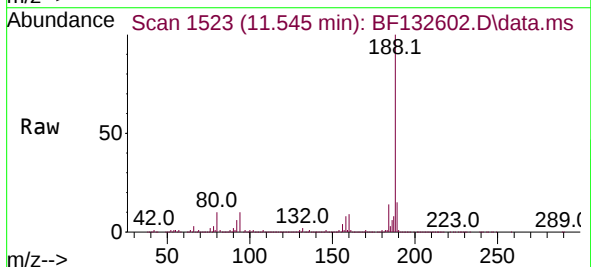
Tgt Ion:152 Resp: 59515
Ion Ratio Lower Upper
152 100
151 21.2 16.4 24.6
153 16.1 11.0 16.6

Manual Integrations
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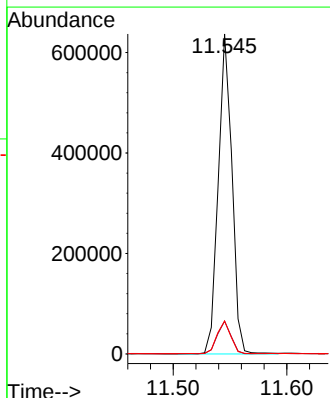
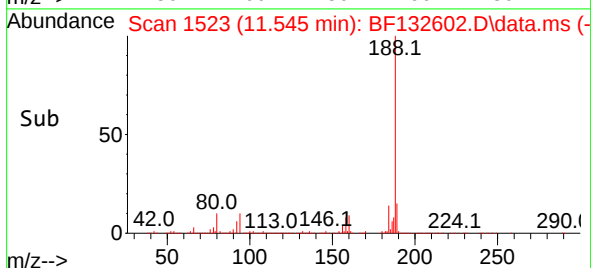
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

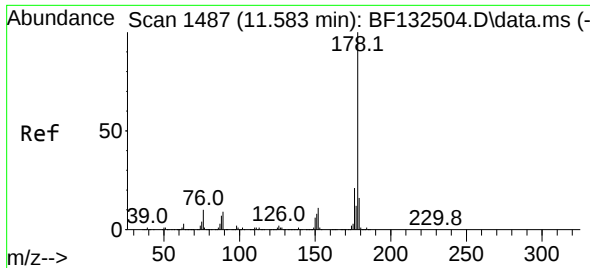


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58



Tgt Ion:188 Resp: 532553
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 10.3 8.7 13.1





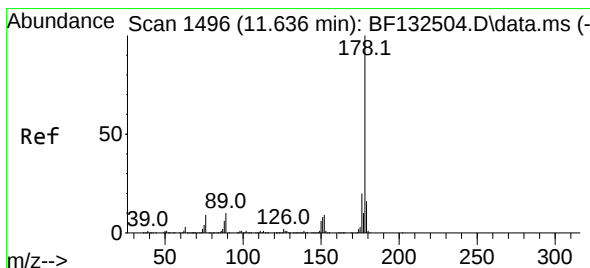
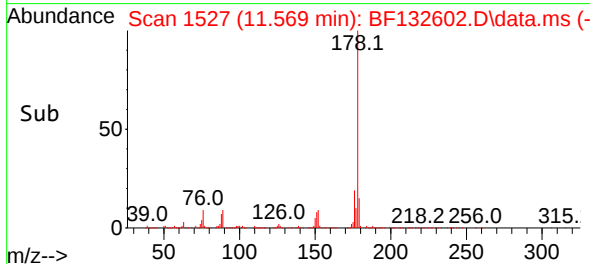
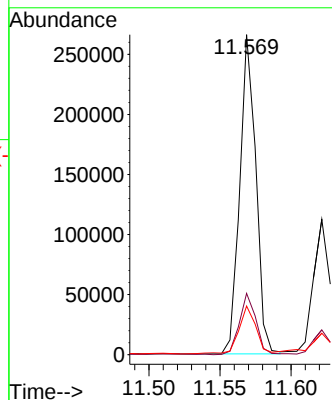
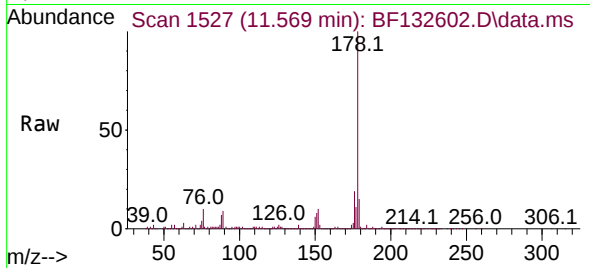
#71
Phenanthrene
Concen: 7.581 ng
RT: 11.569 min Scan# 11536
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Instrument :
BNA_F
ClientSampleId :
EO-01-022723

Tgt Ion:178 Resp: 209145
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.2 13.0 19.6

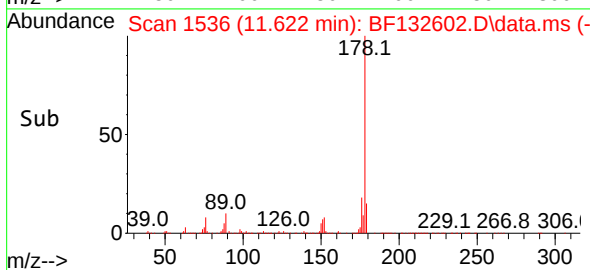
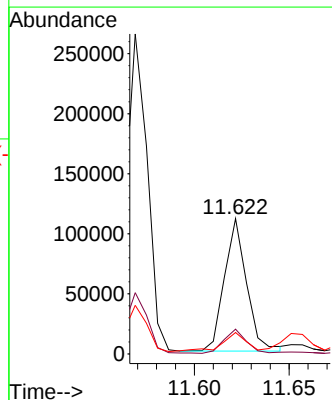
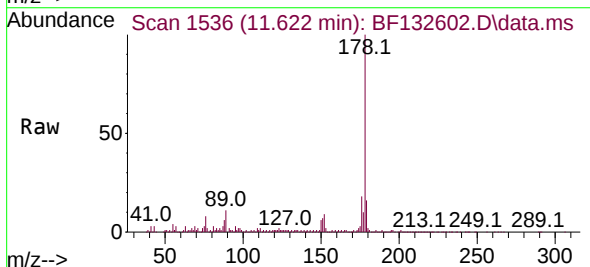
Manual Integrations
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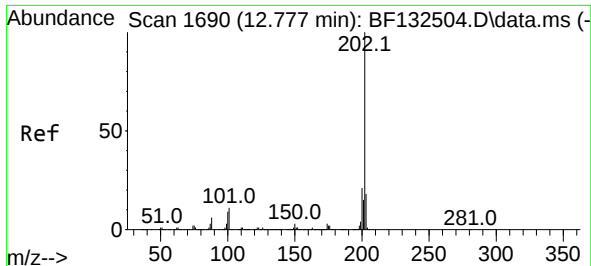
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#72
Anthracene
Concen: 3.179 ng
RT: 11.622 min Scan# 1536
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

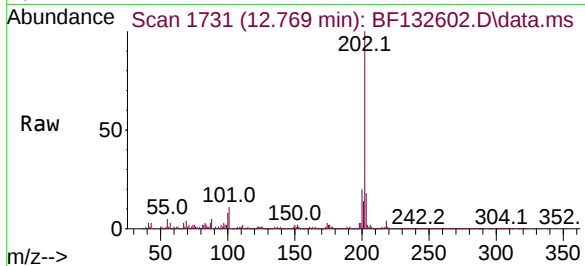
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Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.8 12.5 18.7





#75
Fluoranthene
Concen: 15.524 ng
RT: 12.769 min Scan# 1731
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

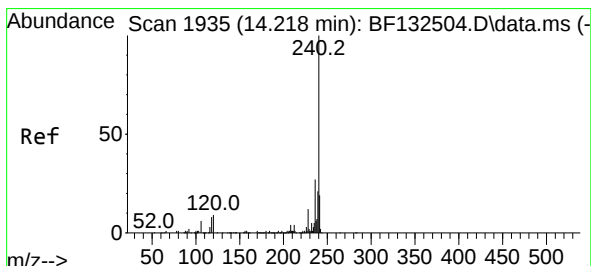
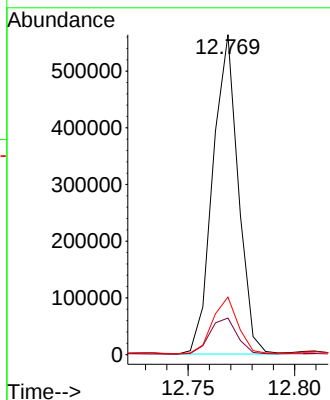
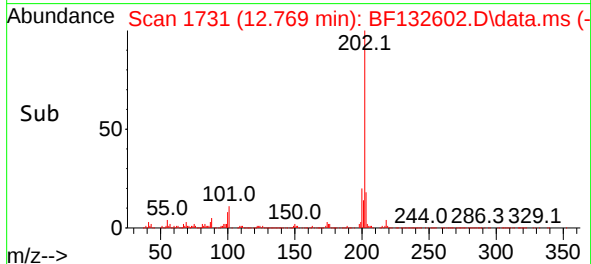
Instrument :
BNA_F
ClientSampleId :
EO-01-022723



Tgt Ion:202 Resp: 468197
Ion Ratio Lower Upper
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101 11.4 0.0 31.4
203 18.0 0.0 38.0

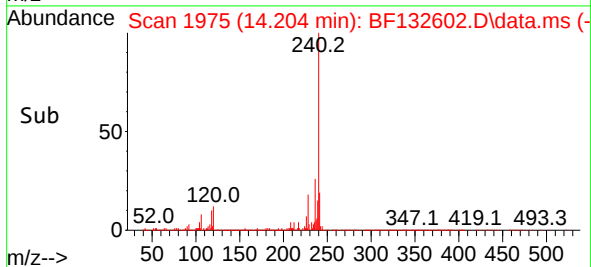
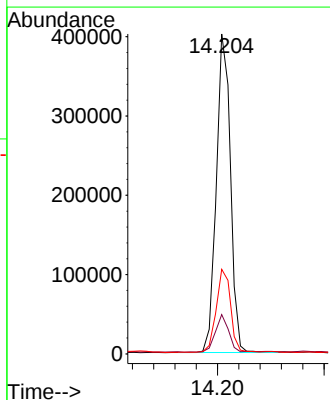
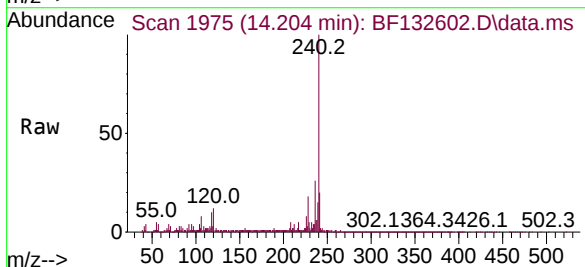
Manual Integrations
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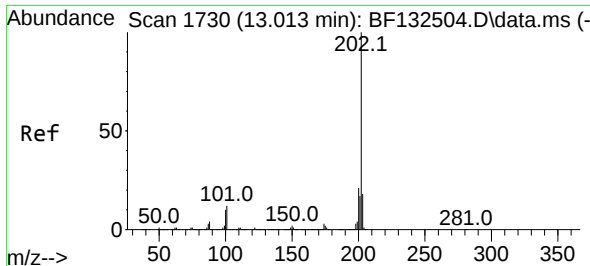
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

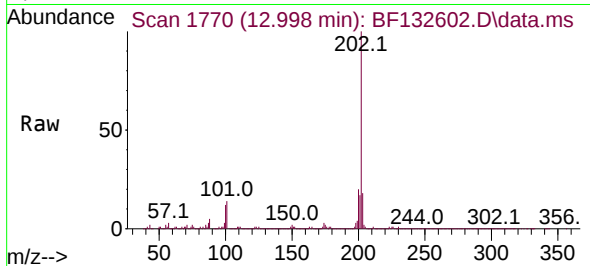
Tgt Ion:240 Resp: 371458
Ion Ratio Lower Upper
240 100
120 12.3 7.2 10.8#
236 26.4 21.8 32.6





#78
Pyrene
Concen: 17.322 ng
RT: 12.998 min Scan# 1730
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

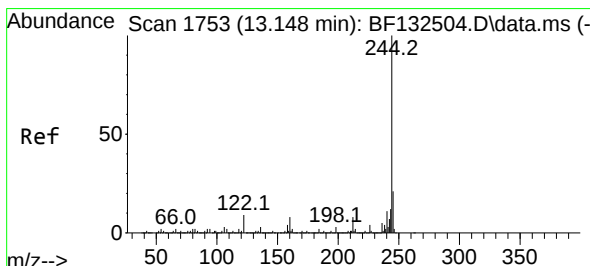
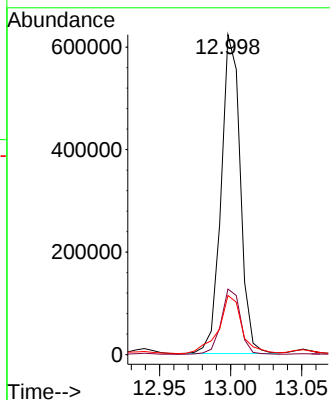
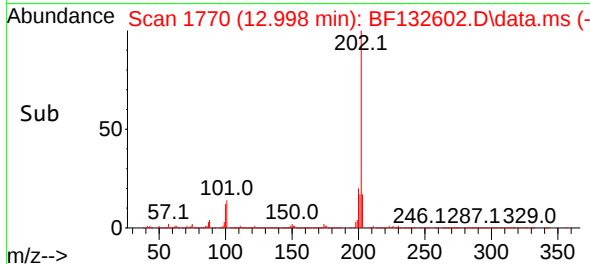
Instrument :
BNA_F
ClientSampleId :
EO-01-022723



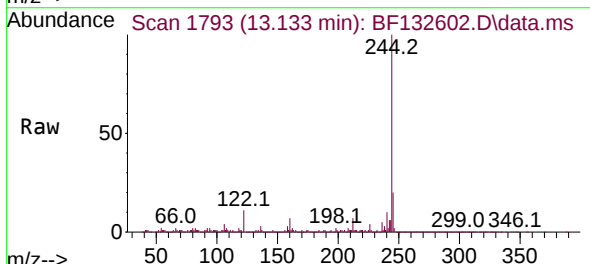
Tgt Ion:202 Resp: 585013
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 18.5 14.6 21.8

Manual Integrations
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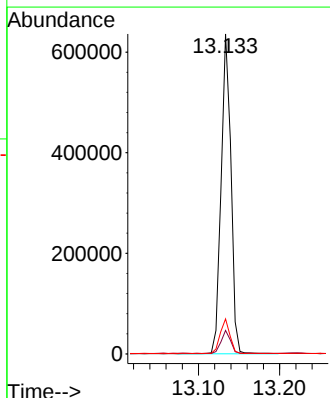
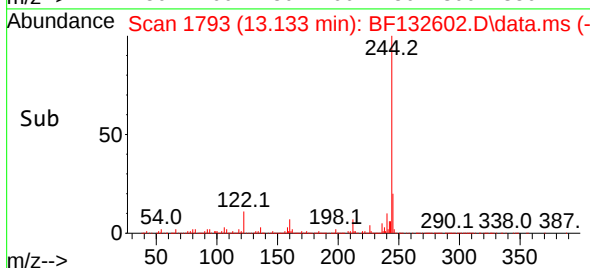
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

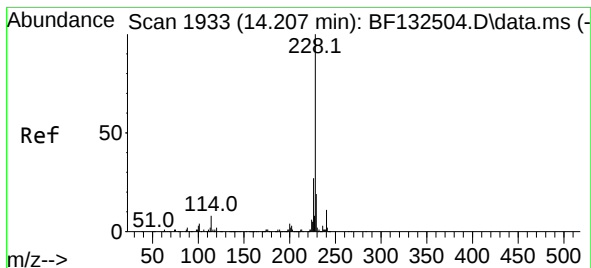


#79
Terphenyl-d14
Concen: 24.170 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58



Tgt Ion:244 Resp: 531008
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 10.9 7.5 11.3





#81

Benzo(a)anthracene

Concen: 8.145 ng m

RT: 14.192 min Scan# 1933

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNF

ClientSampleId :

EO-01-022723

Tgt Ion:228 Resp: 226372

Ion Ratio Lower Upper

228 100

226 29.0 21.7 32.5

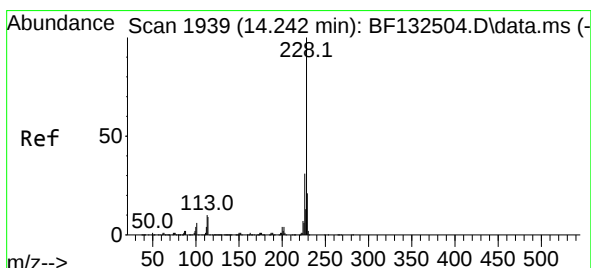
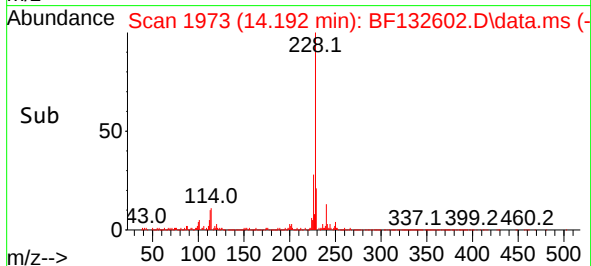
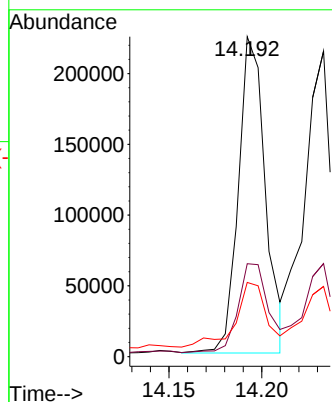
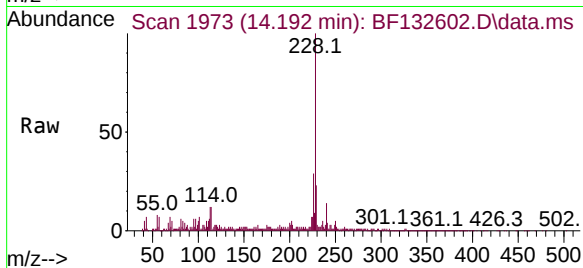
229 23.2 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/02/2023

Supervised By :Jagrut Upadhyay 03/02/2023



#83

Chrysene

Concen: 8.468 ng

RT: 14.233 min Scan# 1980

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

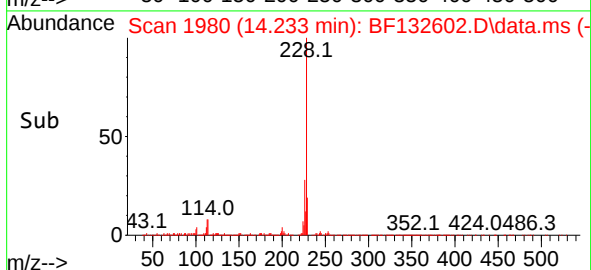
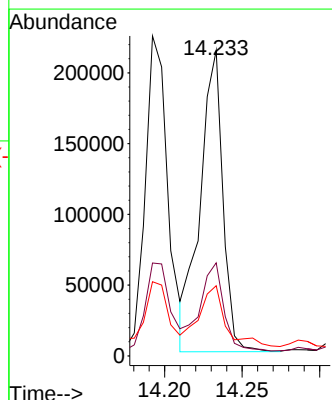
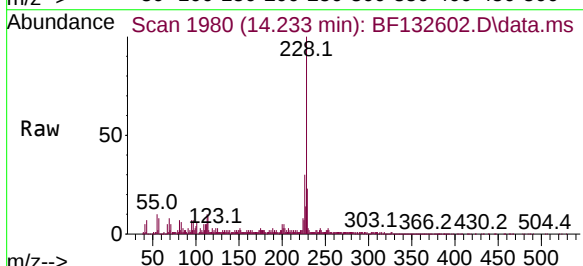
Tgt Ion:228 Resp: 220075

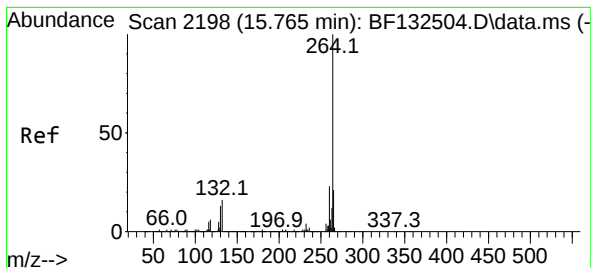
Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

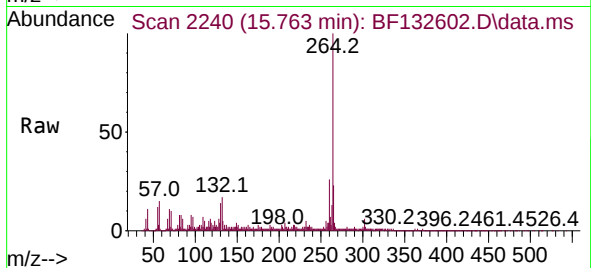
229 23.0 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.763 min Scan# 2198
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

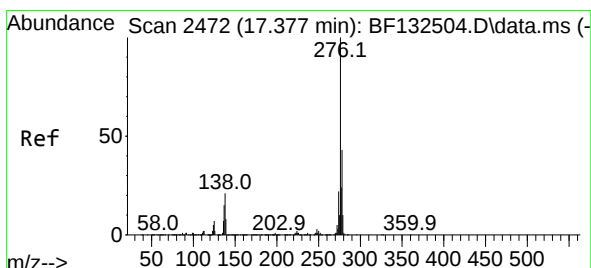
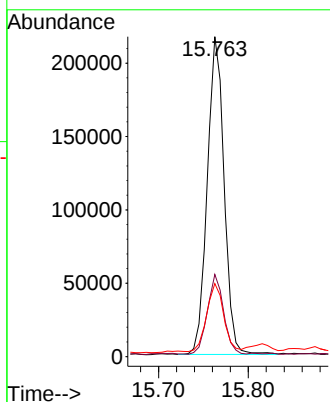
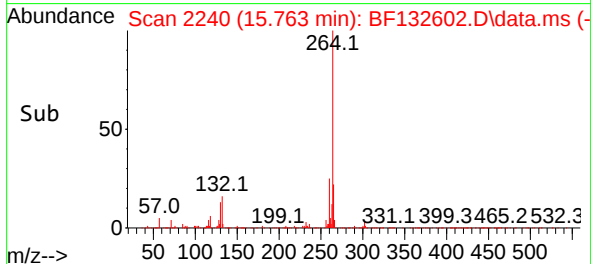
Instrument :
BNA_F
ClientSampleId :
EO-01-022723



Tgt Ion:264 Resp: 283216
Ion Ratio Lower Upper
264 100
260 25.7 18.8 28.2
265 22.8 17.1 25.7

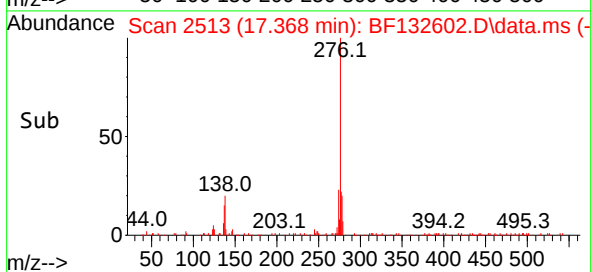
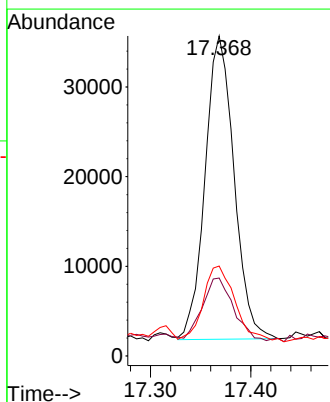
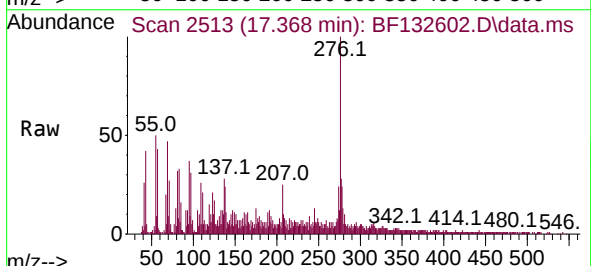
Manual Integrations
APPROVED

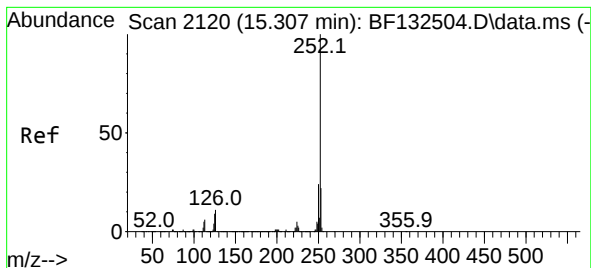
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.655 ng
RT: 17.368 min Scan# 2513
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:276 Resp: 67835
Ion Ratio Lower Upper
276 100
138 21.9 19.0 28.4
277 27.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 8.449 ng m

RT: 15.298 min Scan# 2116

Delta R.T. 0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

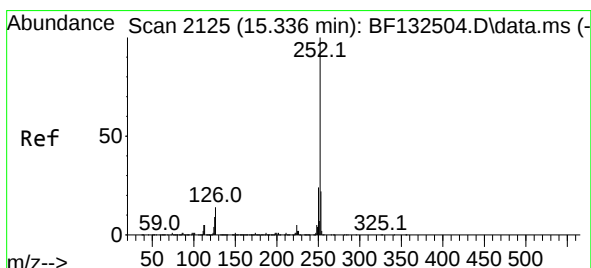
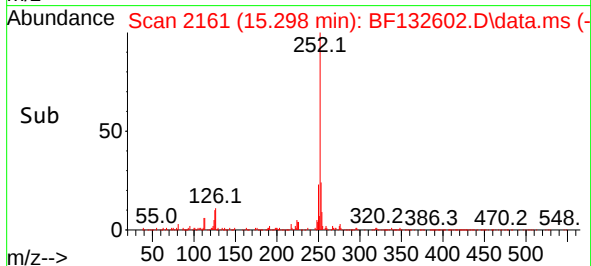
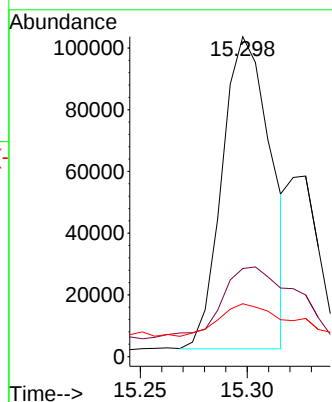
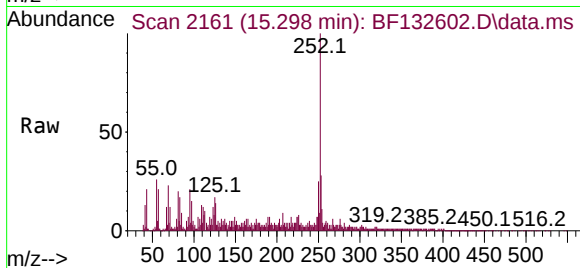
Tgt Ion:252 Resp: 160358
 Ion Ratio Lower Upper
 252 100
 253 27.5 17.4 26.0#
 125 16.5 7.0 10.6#

Manual Integrations

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Reviewed By :Yogesh Patel 03/02/2023

Supervised By :Jagrut Upadhyay 03/02/2023



#89

Benzo(k)fluoranthene

Concen: 3.027 ng m

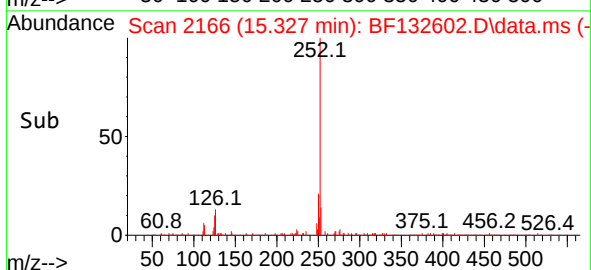
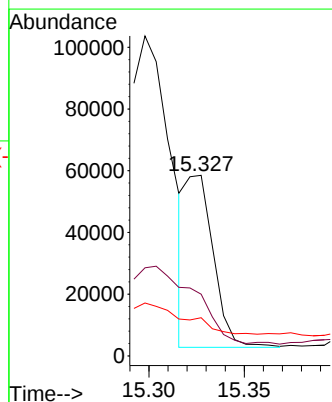
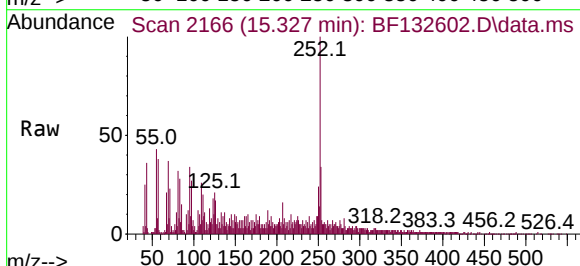
RT: 15.327 min Scan# 2166

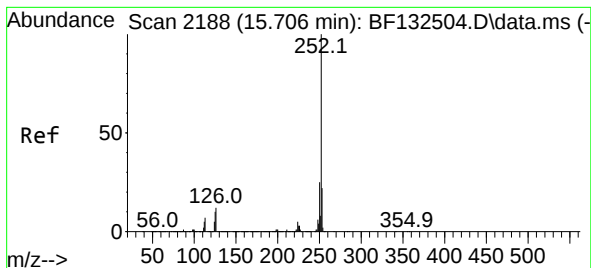
Delta R.T. 0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Tgt Ion:252 Resp: 56221
 Ion Ratio Lower Upper
 252 100
 253 34.1 17.5 26.3#
 125 21.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.997 ng

RT: 15.698 min Scan# 2188

Delta R.T. 0.009 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

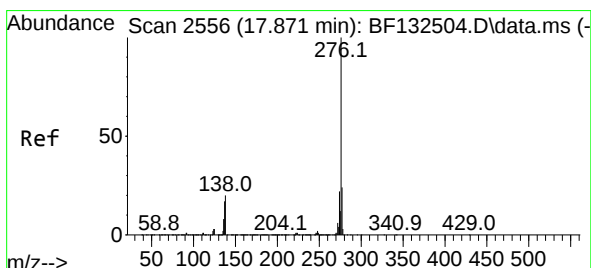
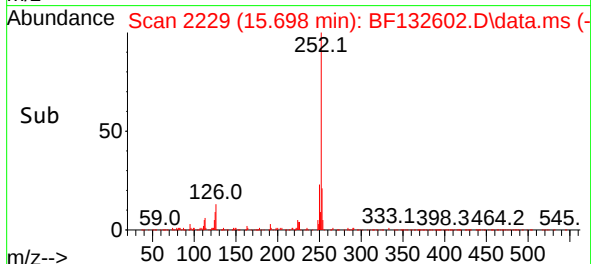
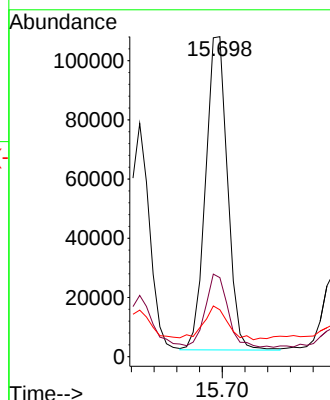
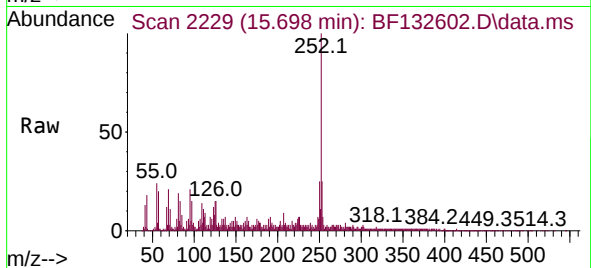
Tgt Ion:252 Resp: 142053
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.2 25.8
 125 14.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/02/2023

Supervised By :Jagrut Upadhyay 03/02/2023



#92

Benzo(g,h,i)perylene

Concen: 5.858 ng

RT: 17.862 min Scan# 2597

Delta R.T. 0.009 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Tgt Ion:276 Resp: 75035
 Ion Ratio Lower Upper
 276 100
 277 28.4 18.9 28.3#
 138 25.9 16.2 24.4#

