

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030823\
 Data File : BF132702.D
 Acq On : 08 Mar 2023 21:36
 Operator : CG\JU
 Sample : 01834-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/09/2023
 Supervised By : Jagrut Upadhyay 03/09/2023

Quant Time: Mar 09 00:41:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	148668	20.000	ng	0.00
21) Naphthalene-d8	8.269	136	525345	20.000	ng	-0.01
39) Acenaphthene-d10	10.033	164	261111	20.000	ng	0.00
64) Phenanthrene-d10	11.528	188	419971	20.000	ng	0.00
76) Chrysene-d12	14.186	240	346617	20.000	ng	-0.01
86) Perylene-d12	15.733	264	322647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	966082	105.465	ng	0.00
7) Phenol-d6	6.616	99	1227219	102.654	ng	0.00
23) Nitrobenzene-d5	7.551	82	774253	69.923	ng	-0.01
42) 2,4,6-Tribromophenol	10.828	330	255560	90.628	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	1214111	70.801	ng	-0.01
79) Terphenyl-d14	13.116	244	1182160	57.664	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.551	178	192471	8.847	ng	98
72) Anthracene	11.604	178	57296	2.557	ng	98
75) Fluoranthene	12.751	202	329611	13.858	ng	97
78) Pyrene	12.980	202	317668	10.080	ng	98
81) Benzo(a)anthracene	14.174	228	188927	7.285	ng	98
83) Chrysene	14.210	228	155935	6.430	ng	97
87) Indeno(1,2,3-cd)pyrene	17.315	276	59630	2.821	ng	97
88) Benzo(b)fluoranthene	15.268	252	187248m	8.660	ng	
89) Benzo(k)fluoranthene	15.298	252	68062m	3.216	ng	
90) Benzo(a)pyrene	15.663	252	135283	6.685	ng	97
92) Benzo(g,h,i)perylene	17.798	276	53914	4.291	ng	96

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

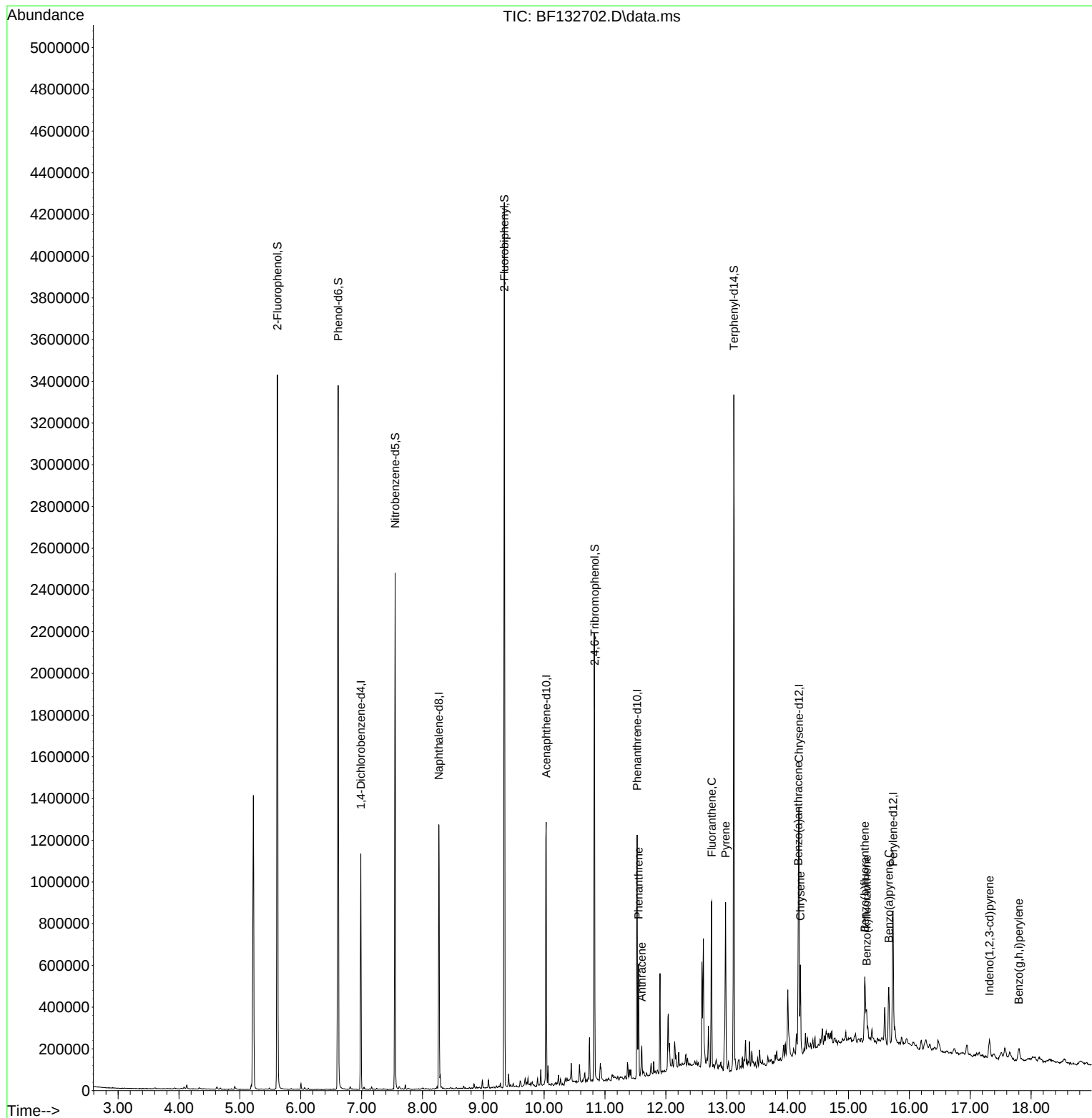
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030823\
Data File : BF132702.D
Acq On : 08 Mar 2023 21:36
Operator : CG\JU
Sample : 01834-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8

Quant Time: Mar 09 00:41:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 13:42:31 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

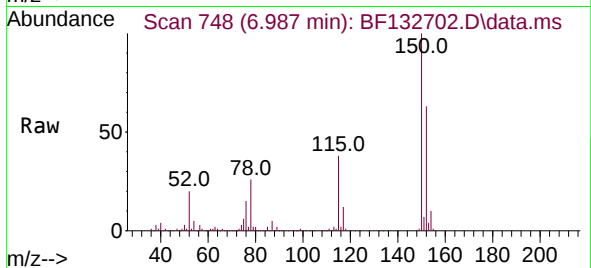
Reviewed By : Christian Giraldo 03/09/2023
Supervised By : Jagrut Upadhyay 03/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

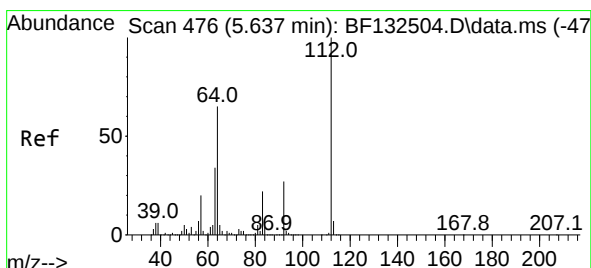
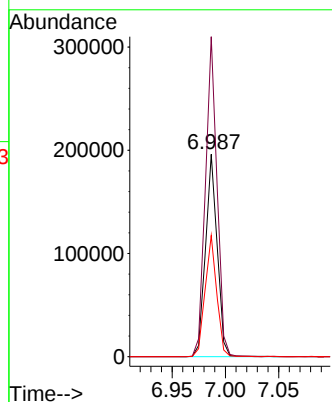
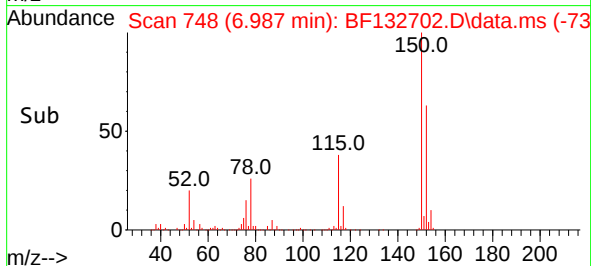
Instrument :
BNA_F
ClientSampleId :
TP-8



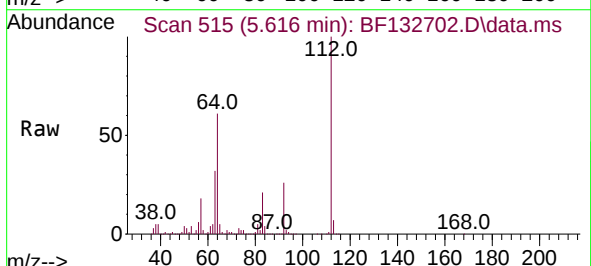
Tgt Ion:152 Resp: 148668
Ion Ratio Lower Upper
152 100
150 158.2 125.4 188.2
115 59.9 47.8 71.6

Manual Integrations
APPROVED

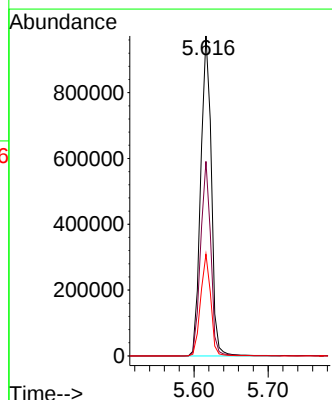
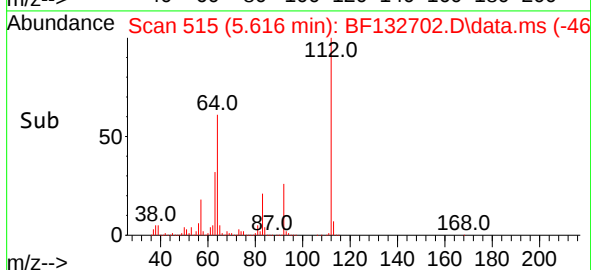
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

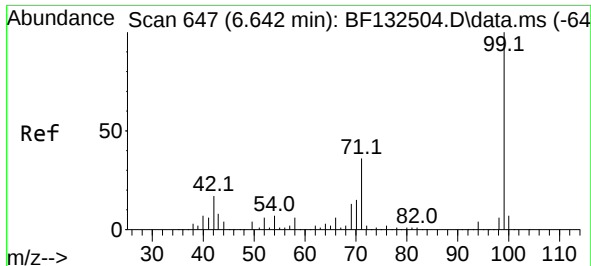


#5
2-Fluorophenol
Concen: 105.465 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.000 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36



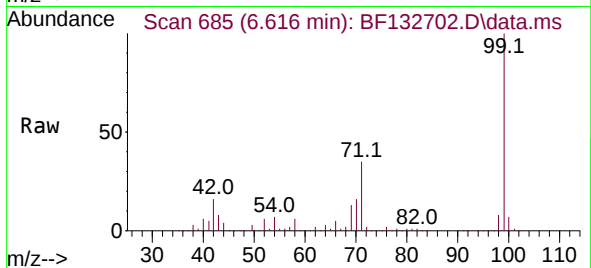
Tgt Ion:112 Resp: 966082
Ion Ratio Lower Upper
112 100
64 60.8 51.6 77.4
63 31.8 27.4 41.2





#7
Phenol-d6
Concen: 102.654 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

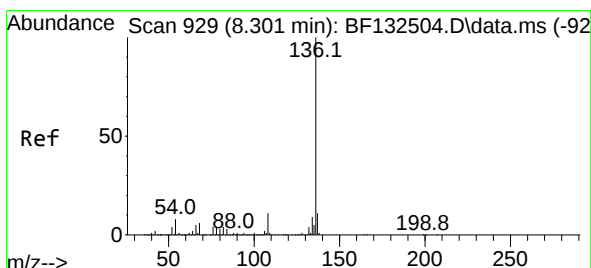
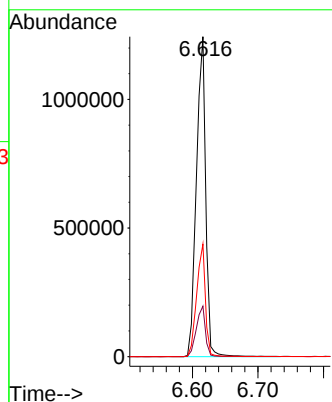
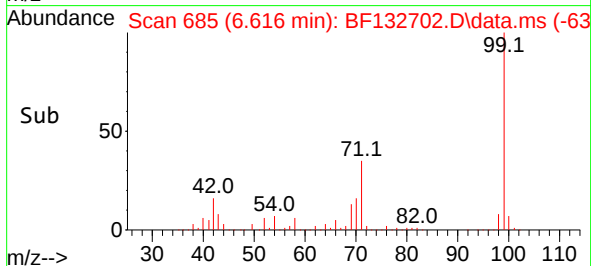
Instrument :
BNA_F
ClientSampleId :
TP-8



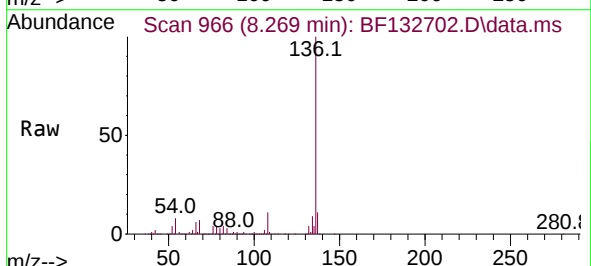
Tgt Ion: 99 Resp: 1227219
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 35.2 28.5 42.7

Manual Integrations
APPROVED

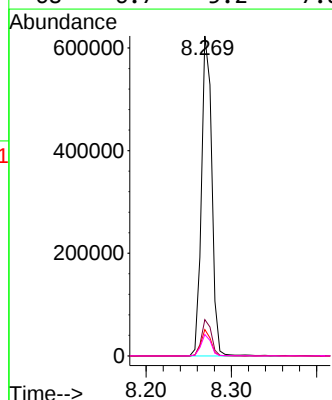
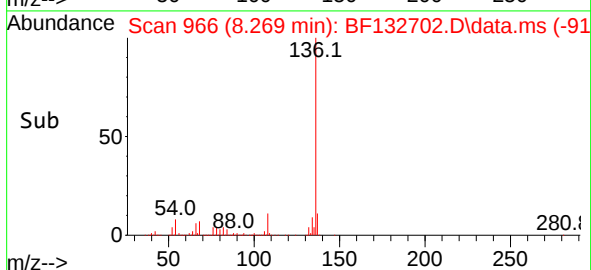
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

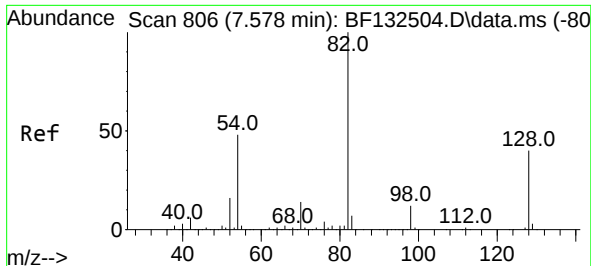


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 966
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36



Tgt Ion:136 Resp: 525345
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.2 6.2 9.4
68 6.7 5.2 7.8





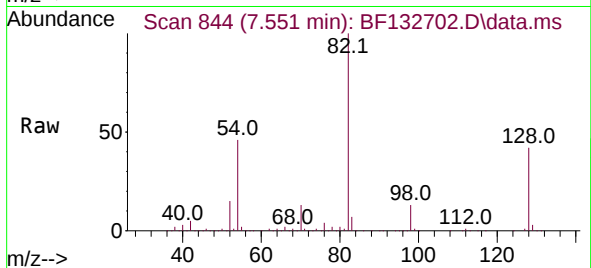
#23
Nitrobenzene-d5
Concen: 69.923 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8

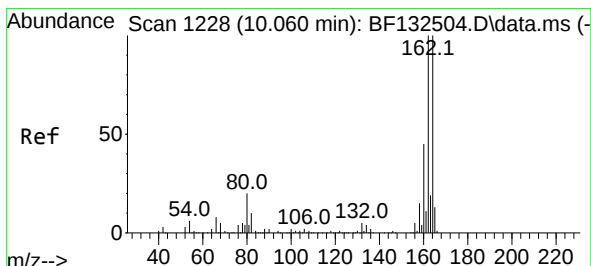
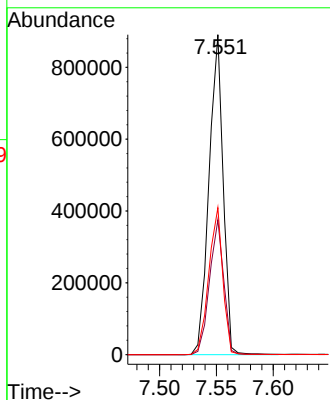
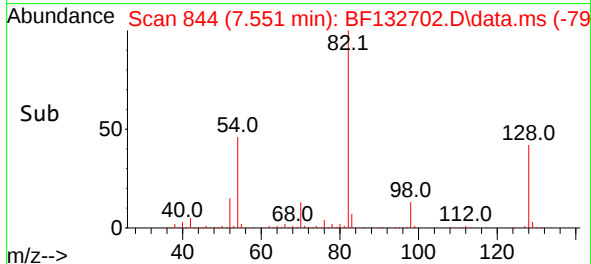


Tgt Ion: 82 Resp: 774253
Ion Ratio Lower Upper
82 100
128 42.1 32.2 48.2
54 45.9 38.4 57.6

Manual Integrations

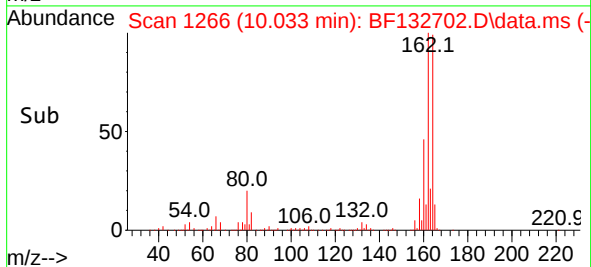
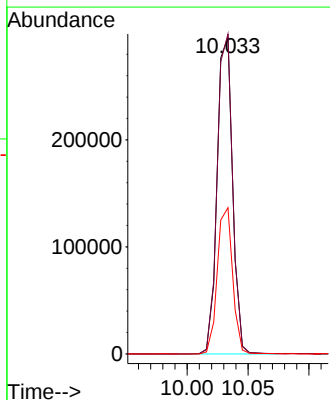
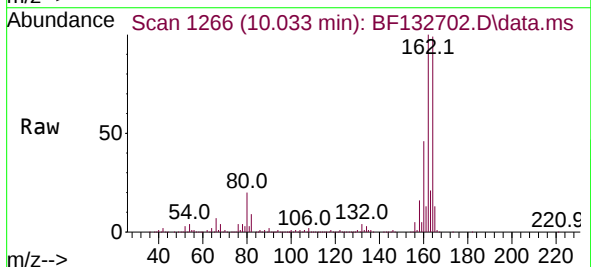
APPROVED

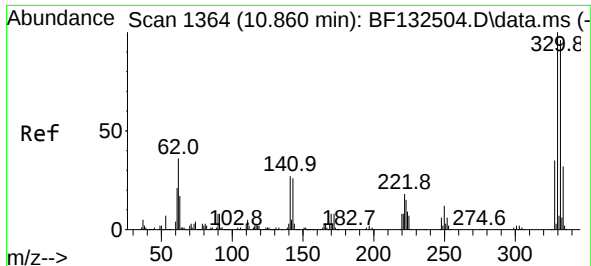
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.033 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:164 Resp: 261111
Ion Ratio Lower Upper
164 100
162 101.0 79.8 119.8
160 46.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 90.628 ng
RT: 10.828 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

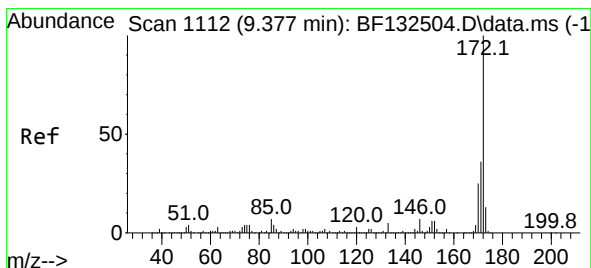
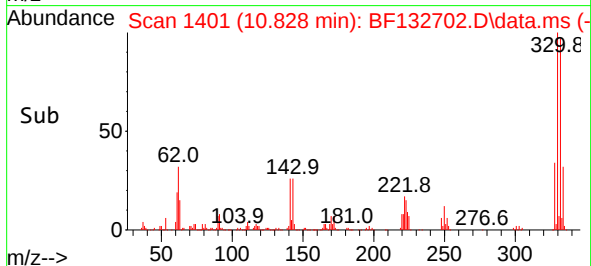
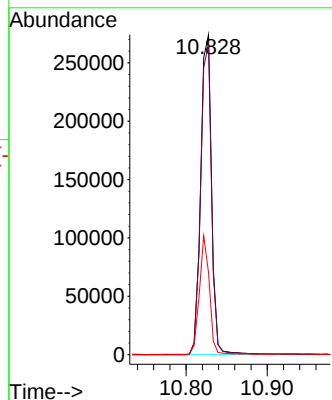
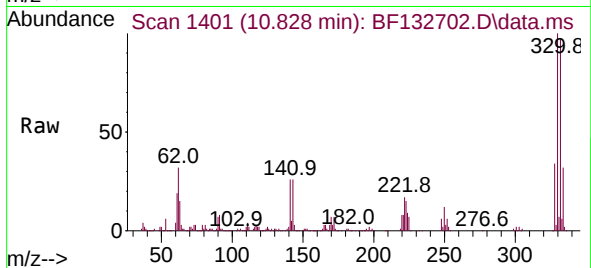
TP-8

Tgt Ion:330 Resp: 255560
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 33.9 28.4 42.6

Manual Integrations

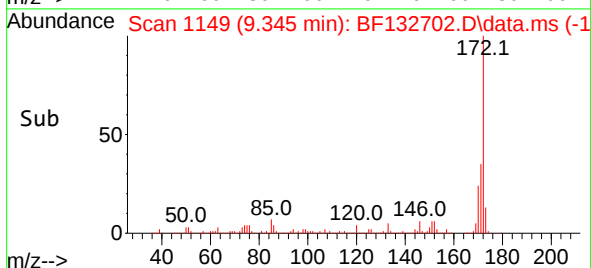
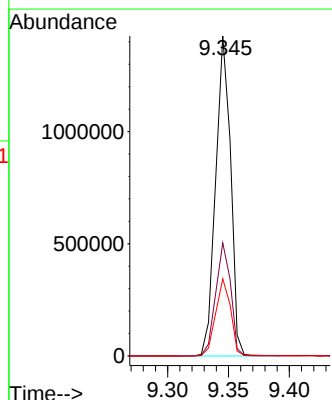
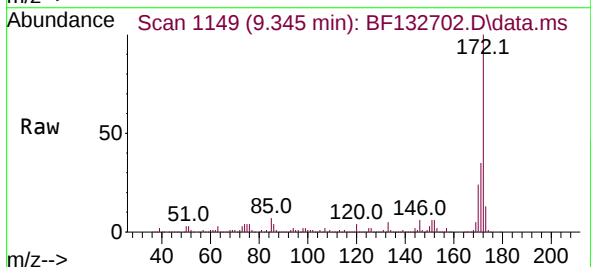
APPROVED

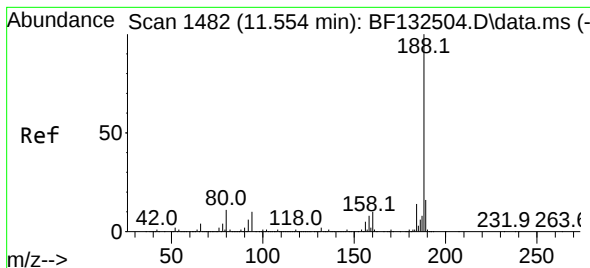
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



#45
2-Fluorobiphenyl
Concen: 70.801 ng
RT: 9.345 min Scan# 1149
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:172 Resp: 1214111
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.1 19.7 29.5





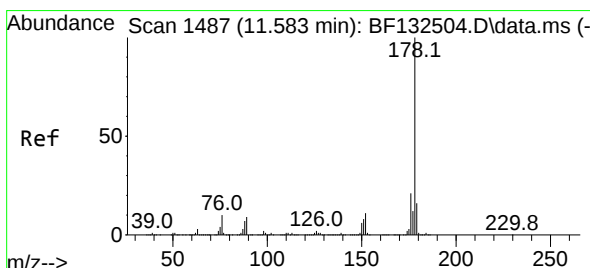
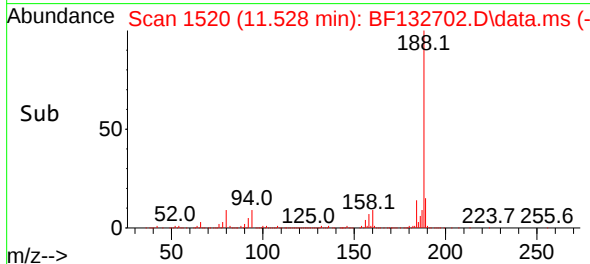
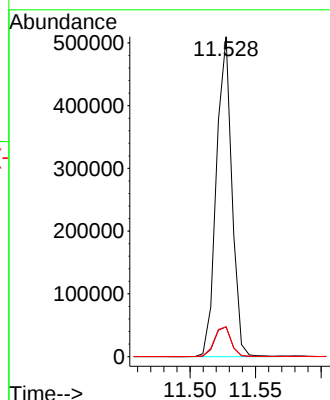
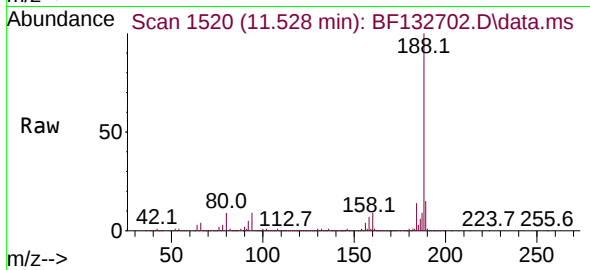
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.528 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:188 Resp: 41997
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 9.3 8.7 13.1

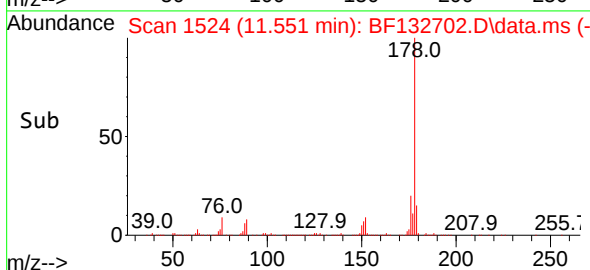
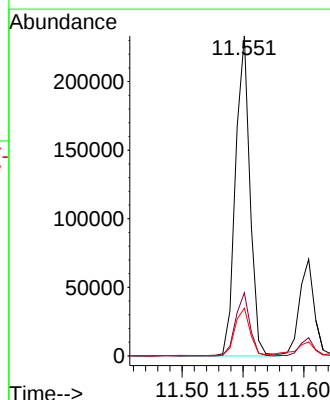
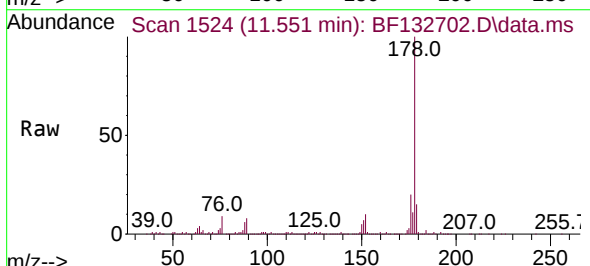
Manual Integrations
APPROVED

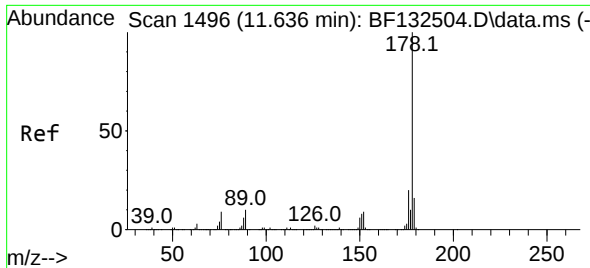
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023



#71
Phenanthrene
Concen: 8.847 ng
RT: 11.551 min Scan# 1524
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion:178 Resp: 192471
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 14.9 13.0 19.6





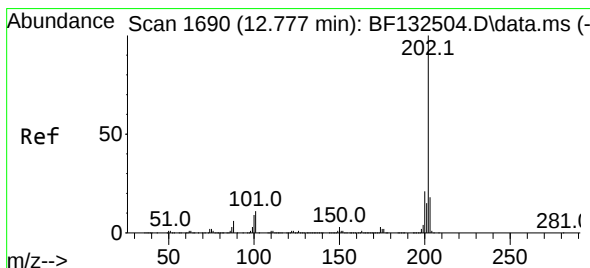
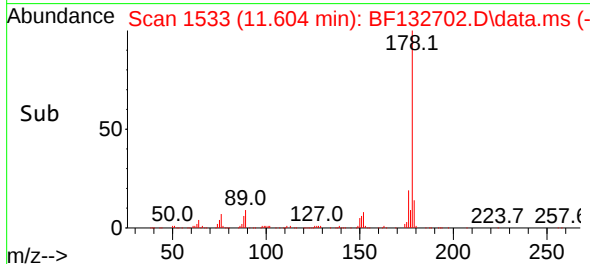
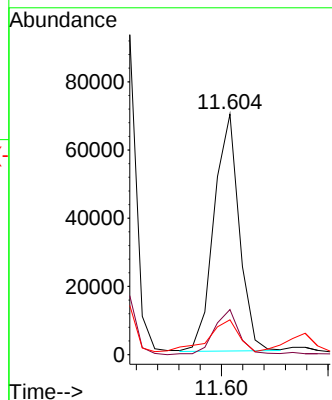
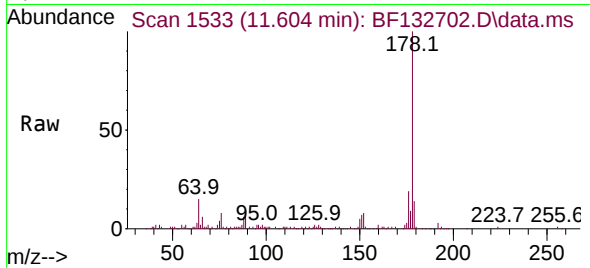
#72
 Anthracene
 Concen: 2.557 ng
 RT: 11.604 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132702.D
 Acq: 08 Mar 2023 21:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion:178 Resp: 57296
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.6 23.4
 179 14.5 12.5 18.7

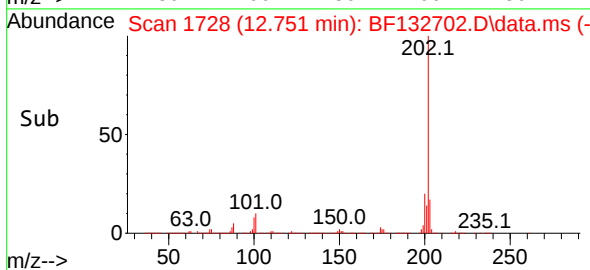
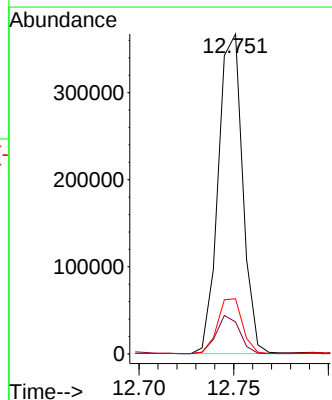
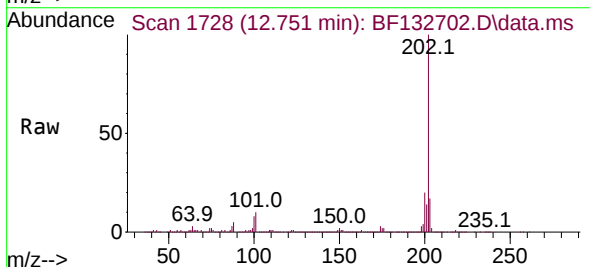
Manual Integrations
 APPROVED

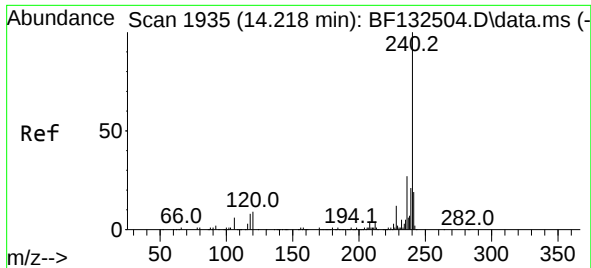
Reviewed By :Christian Giraldo 03/09/2023
 Supervised By :Jagrut Upadhyay 03/09/2023



#75
 Fluoranthene
 Concen: 13.858 ng
 RT: 12.751 min Scan# 1728
 Delta R.T. -0.006 min
 Lab File: BF132702.D
 Acq: 08 Mar 2023 21:36

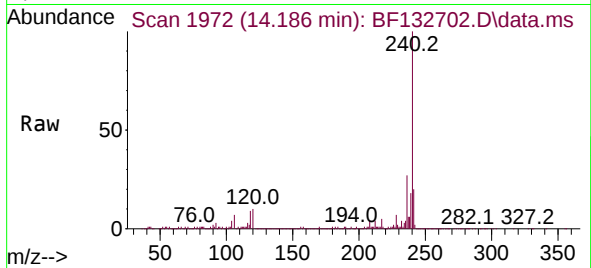
Tgt Ion:202 Resp: 329611
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.4
 203 17.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.186 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

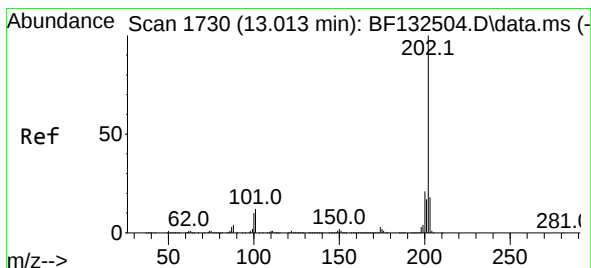
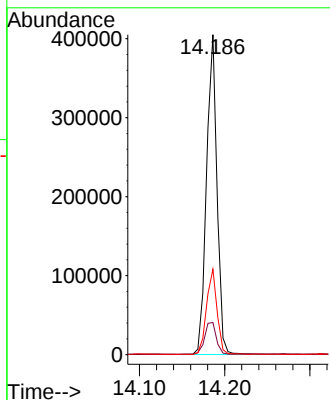
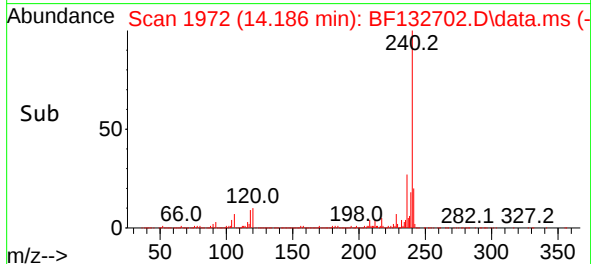
Instrument :
BNA_F
ClientSampleId :
TP-8



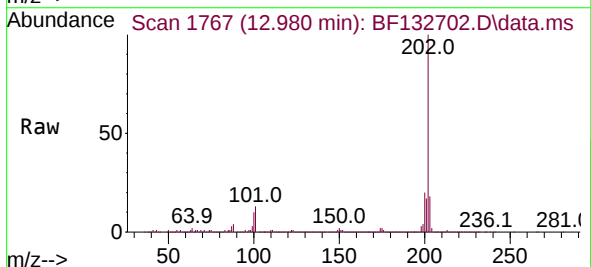
Tgt Ion:240 Resp: 346617
Ion Ratio Lower Upper
240 100
120 10.0 7.2 10.8
236 26.7 21.8 32.6

Manual Integrations
APPROVED

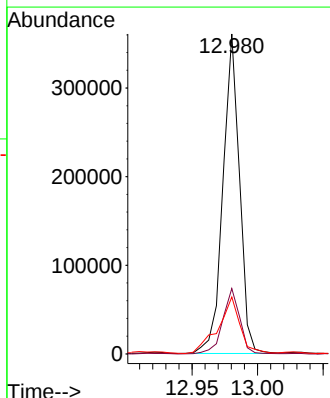
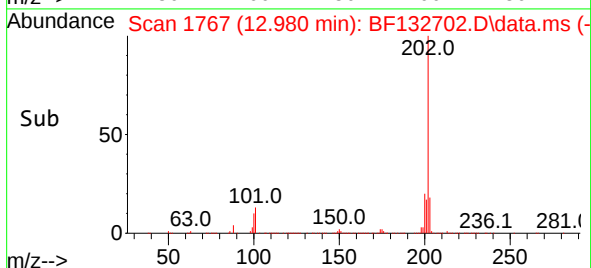
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

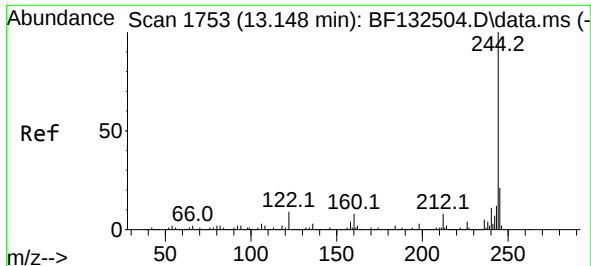


#78
Pyrene
Concen: 10.080 ng
RT: 12.980 min Scan# 1767
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36



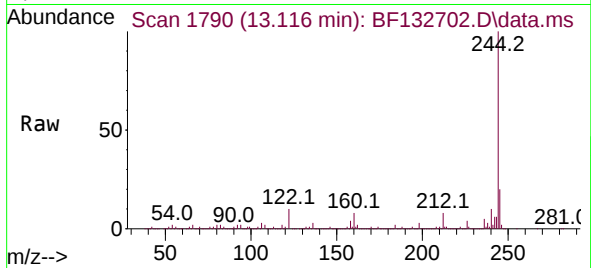
Tgt Ion:202 Resp: 317668
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.8 14.6 21.8





#79
Terphenyl-d14
Concen: 57.664 ng
RT: 13.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

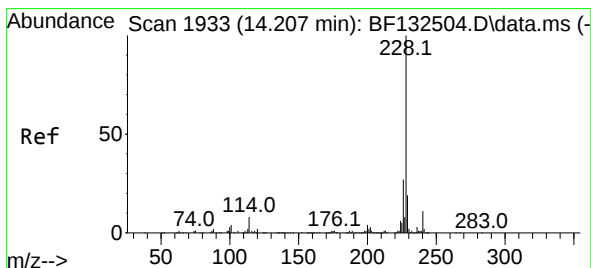
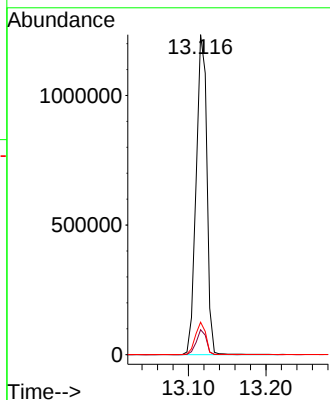
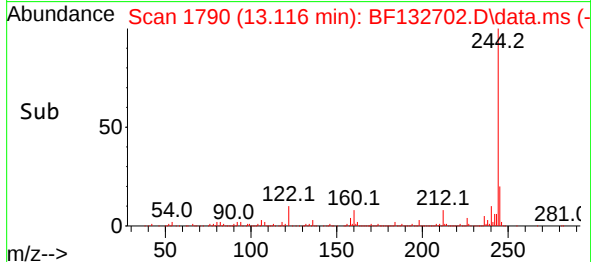
Instrument :
BNA_F
ClientSampleId :
TP-8



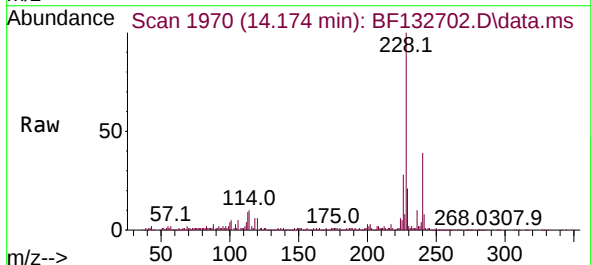
Tgt Ion:244 Resp: 1182160
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 10.1 7.5 11.3

Manual Integrations
APPROVED

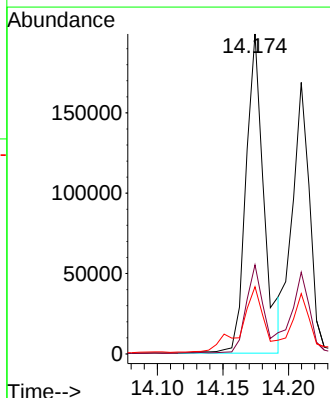
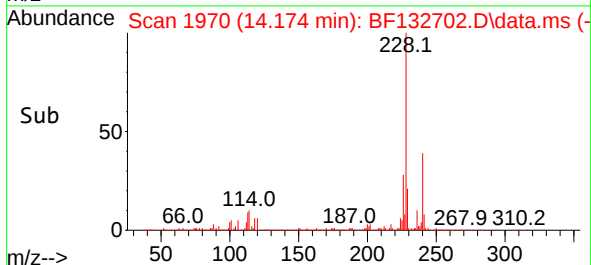
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

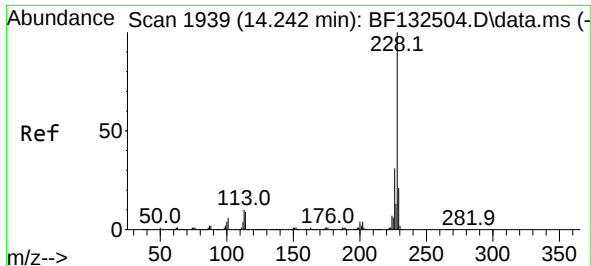


#81
Benzo(a)anthracene
Concen: 7.285 ng
RT: 14.174 min Scan# 1970
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36



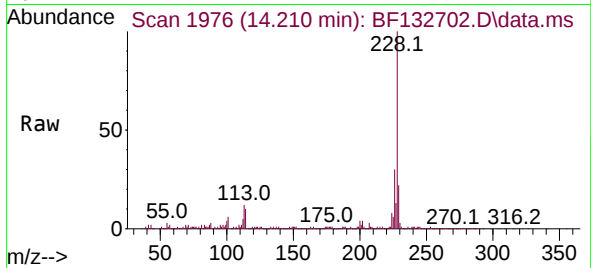
Tgt Ion:228 Resp: 188927
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 21.0 15.4 23.2





#83
Chrysene
Concen: 6.430 ng
RT: 14.210 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

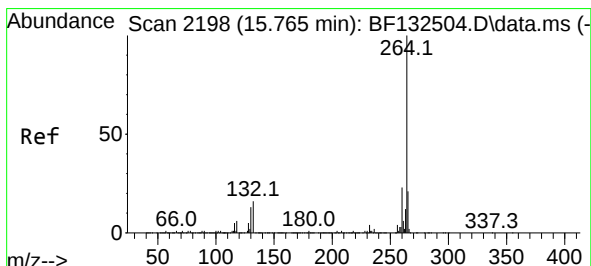
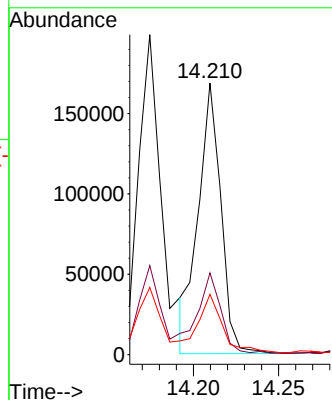
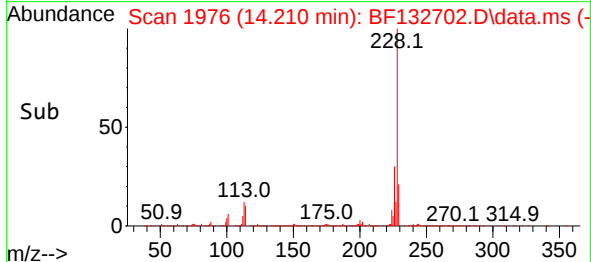
Instrument :
BNA_F
ClientSampleId :
TP-8



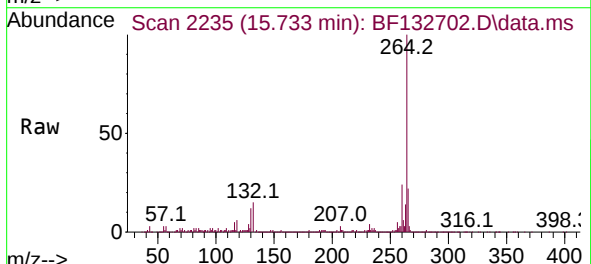
Tgt Ion:228 Resp: 155935
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.2 16.4 24.6

Manual Integrations
APPROVED

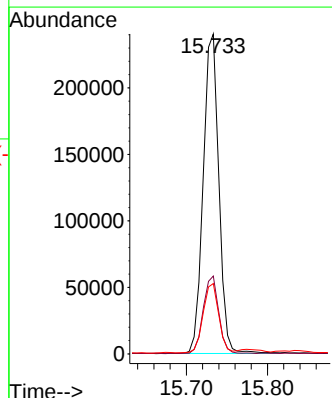
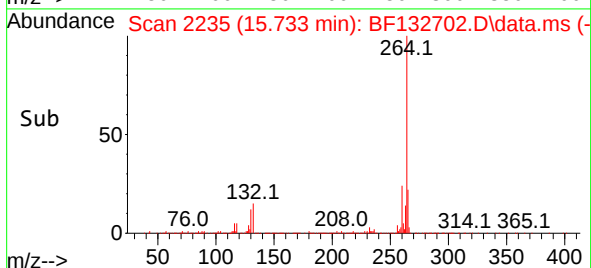
Reviewed By :Christian Giraldo 03/09/2023
Supervised By :Jagrut Upadhyay 03/09/2023

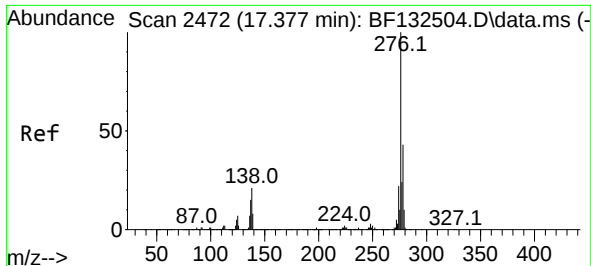


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.733 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36



Tgt Ion:264 Resp: 322647
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.0 17.1 25.7





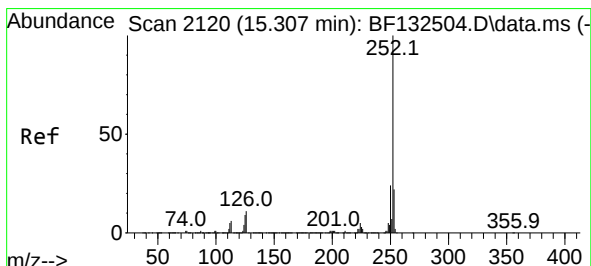
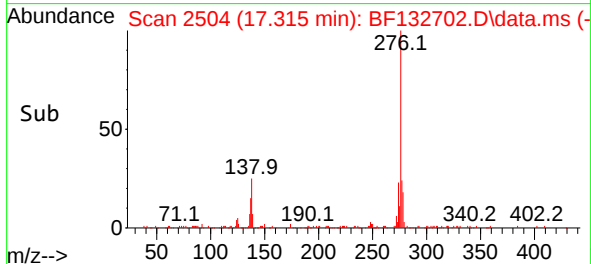
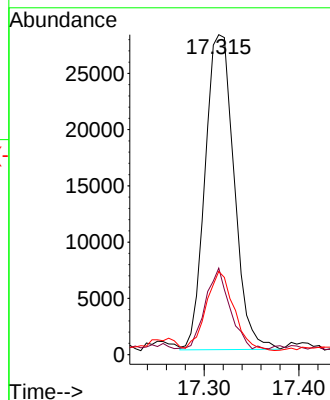
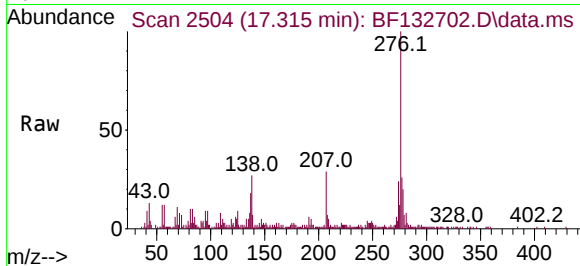
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.821 ng
RT: 17.315 min Scan# 2156
Delta R.T. -0.029 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 276 Resp: 59630
Ion Ratio Lower Upper
276 100
138 21.8 19.0 28.4
277 24.1 20.0 30.0

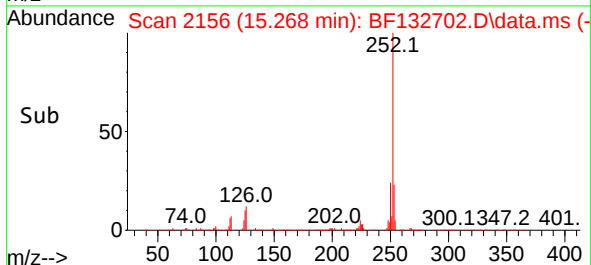
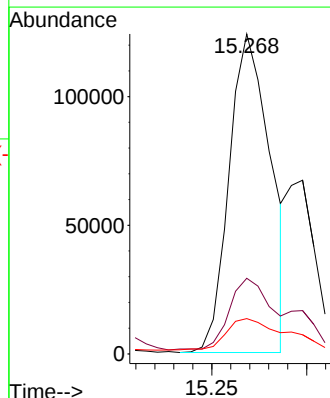
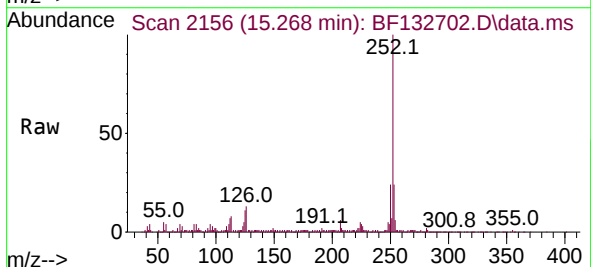
Manual Integrations
APPROVED

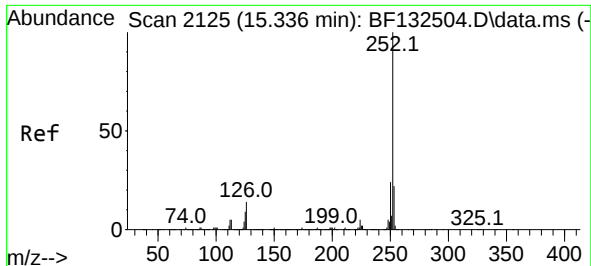
Reviewed By : Christian Giraldo 03/09/2023
Supervised By : Jagrut Upadhyay 03/09/2023



#88
Benzo(b)fluoranthene
Concen: 8.660 ng m
RT: 15.268 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BF132702.D
Acq: 08 Mar 2023 21:36

Tgt Ion: 252 Resp: 187248
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 11.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 3.216 ng m

RT: 15.298 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

Instrument :

BNA_F

ClientSampleId :

TP-8

Tgt Ion:252 Resp: 68062

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

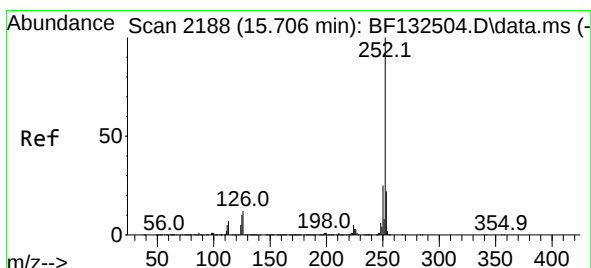
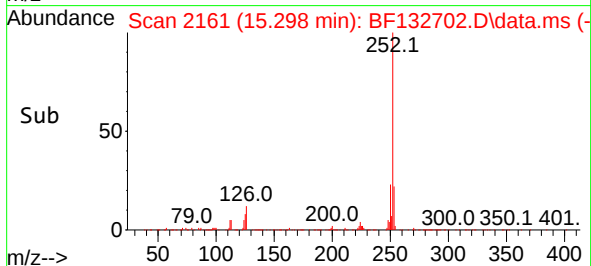
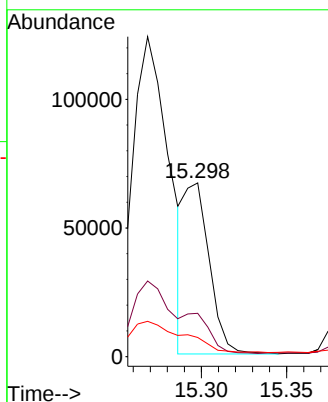
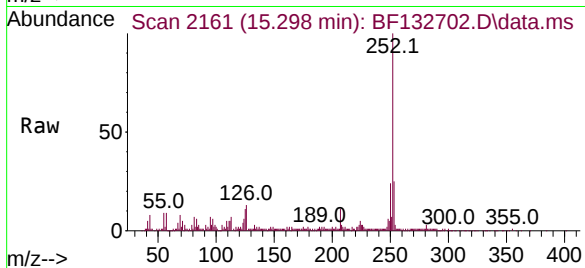
125 11.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/09/2023

Supervised By :Jagrut Upadhyay 03/09/2023



#90

Benzo(a)pyrene

Concen: 6.685 ng

RT: 15.663 min Scan# 2223

Delta R.T. -0.012 min

Lab File: BF132702.D

Acq: 08 Mar 2023 21:36

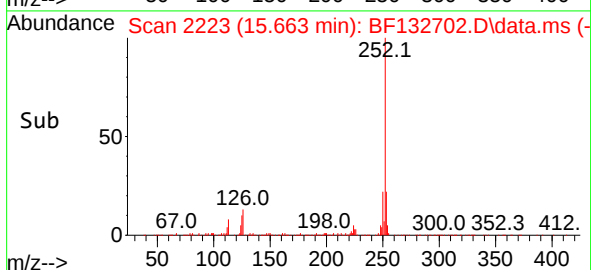
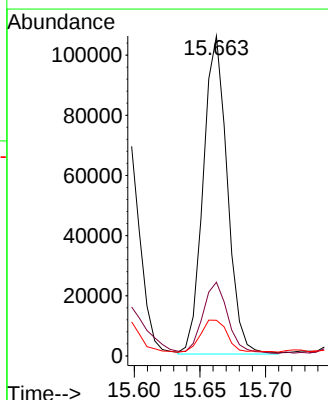
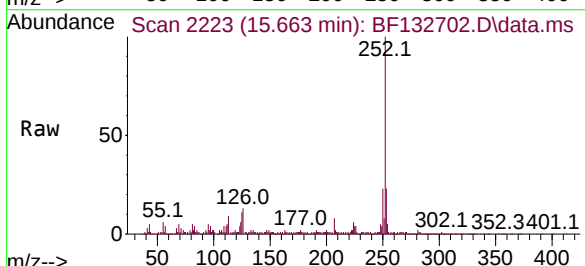
Tgt Ion:252 Resp: 135283

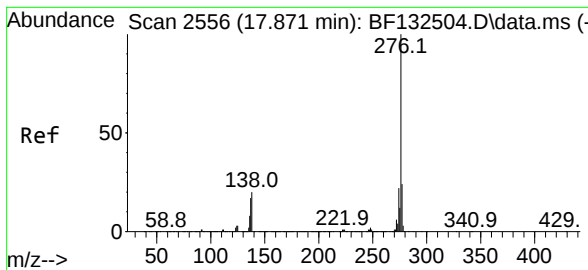
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

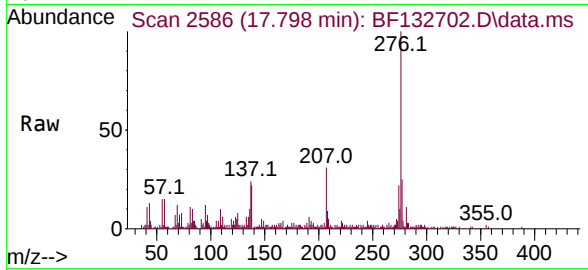
125 11.1 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.291 ng
 RT: 17.798 min Scan# 2586
 Delta R.T. -0.035 min
 Lab File: BF132702.D
 Acq: 08 Mar 2023 21:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-8



Tgt Ion: 276 Resp: 53914

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	22.4	16.2	24.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/09/2023
 Supervised By : Jagrut Upadhyay 03/09/2023

