

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132729.D
 Acq On : 09 Mar 2023 21:11
 Operator : CG\JU
 Sample : 01847-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-030823

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/10/2023
 Supervised By : Jagrut Upadhyay 03/10/2023

Quant Time: Mar 10 03:40:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	224812	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	764275	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	353574	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	561863	20.000	ng	0.00
76) Chrysene-d12	14.180	240	508844	20.000	ng	0.00
86) Perylene-d12	15.721	264	388359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	246037	17.762	ng	-0.01
7) Phenol-d6	6.604	99	312063	17.262	ng	-0.02
23) Nitrobenzene-d5	7.539	82	183105	11.367	ng	-0.02
42) 2,4,6-Tribromophenol	10.816	330	51811	13.569	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	319925	13.778	ng	0.00
79) Terphenyl-d14	13.110	244	316171	10.505	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.980	142	67669	2.538	ng	98
71) Phenanthrene	11.545	178	73967	2.541	ng	99
75) Fluoranthene	12.739	202	130861	4.113	ng	98
78) Pyrene	12.974	202	164885	3.564	ng	99
81) Benzo(a)anthracene	14.168	228	105036	2.759	ng	95
83) Chrysene	14.204	228	93496	2.626	ng	97
88) Benzo(b)fluoranthene	15.262	252	112979m	4.341	ng	
90) Benzo(a)pyrene	15.657	252	72959	2.995	ng	# 92
92) Benzo(g,h,i)perylene	17.792	276	37102	3.144	ng	# 90

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

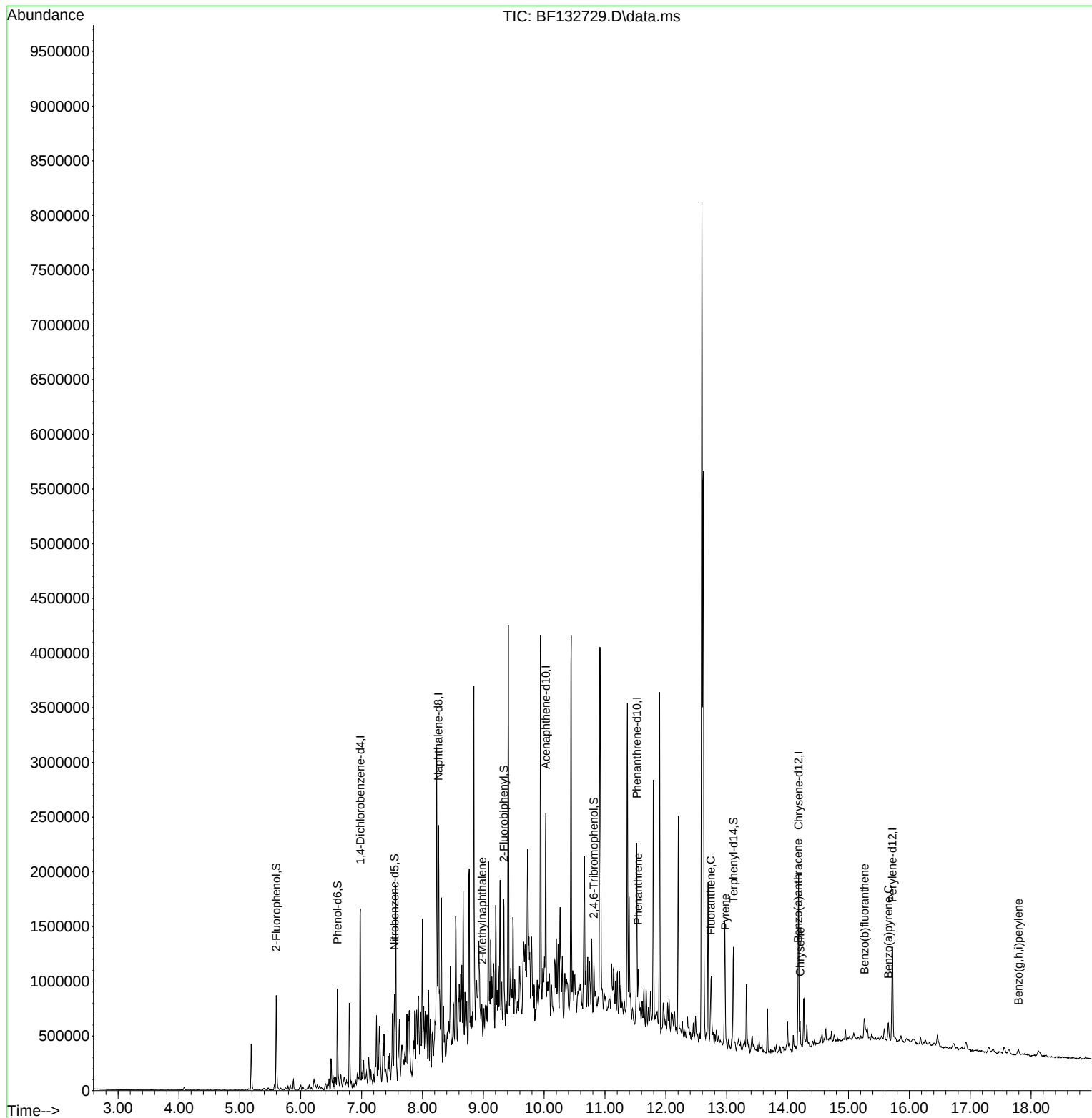
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132729.D
Acq On : 09 Mar 2023 21:11
Operator : CG\JU
Sample : 01847-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

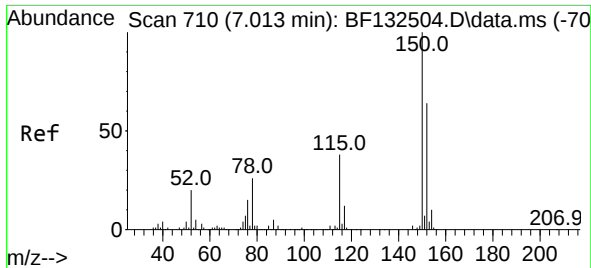
Instrument :
BNA_F
ClientSampleId :
TR-05-030823

Quant Time: Mar 10 03:40:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 16:26:19 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

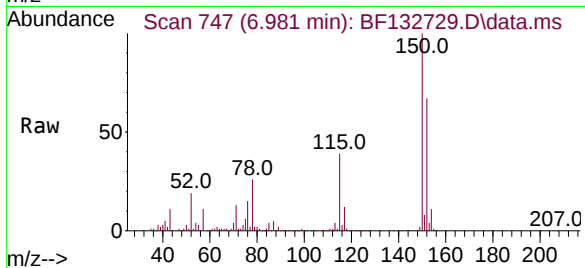
Reviewed By : Christian Giraldo 03/10/2023
Supervised By : Jagrut Upadhyay 03/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

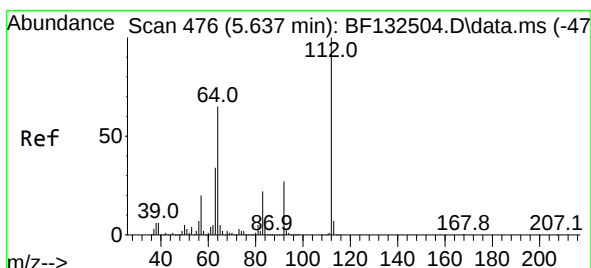
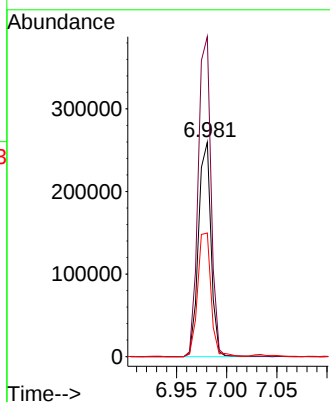
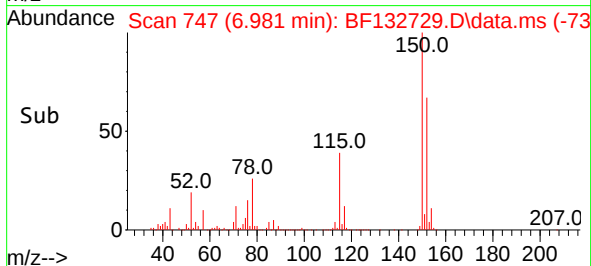
Instrument :
BNA_F
ClientSampleId :
TR-05-030823



Tgt Ion:152 Resp: 224812
Ion Ratio Lower Upper
152 100
150 149.3 125.4 188.2
115 57.7 47.8 71.6

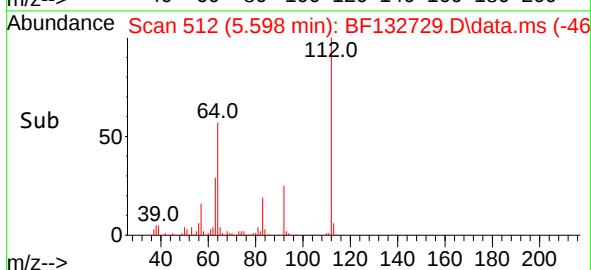
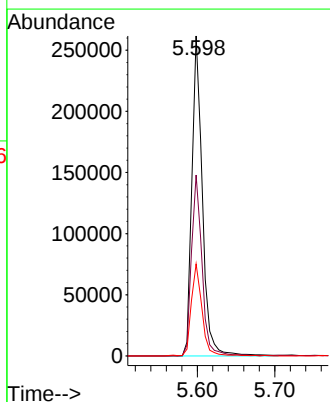
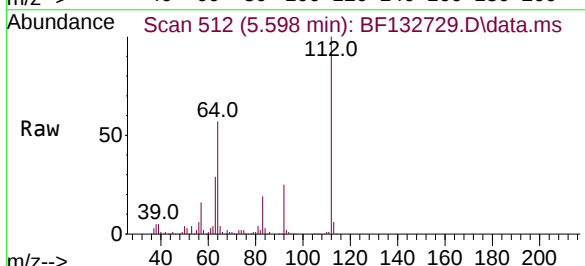
Manual Integrations
APPROVED

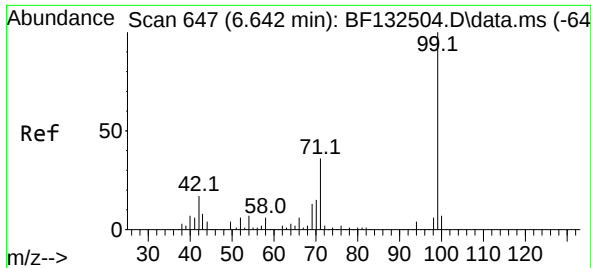
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#5
2-Fluorophenol
Concen: 17.762 ng
RT: 5.598 min Scan# 512
Delta R.T. -0.012 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

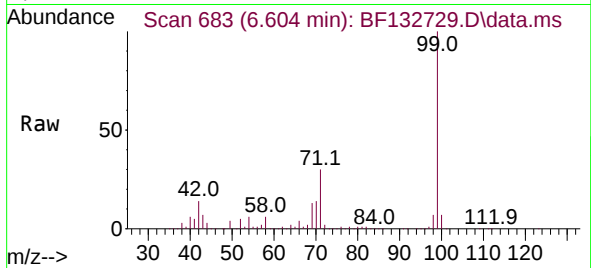
Tgt Ion:112 Resp: 246037
Ion Ratio Lower Upper
112 100
64 56.5 51.6 77.4
63 28.7 27.4 41.2





#7
Phenol-d6
Concen: 17.262 ng
RT: 6.604 min Scan# 683
Delta R.T. -0.018 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

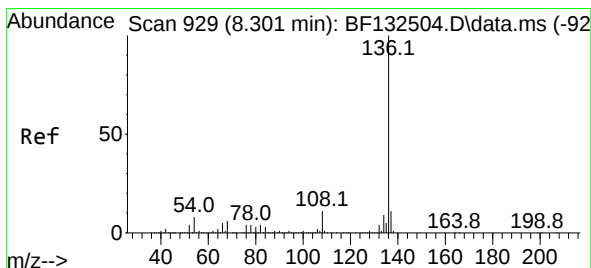
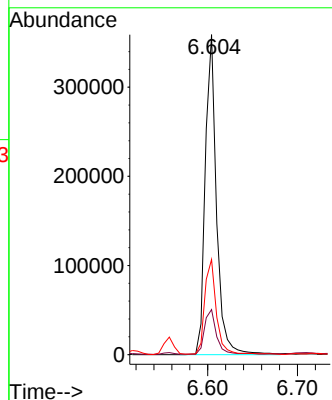
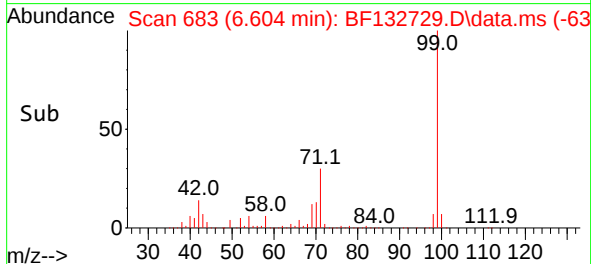
Instrument :
BNA_F
ClientSampleId :
TR-05-030823



Tgt Ion: 99 Resp: 312063
Ion Ratio Lower Upper
99 100
42 14.1 13.9 20.9
71 29.7 28.5 42.7

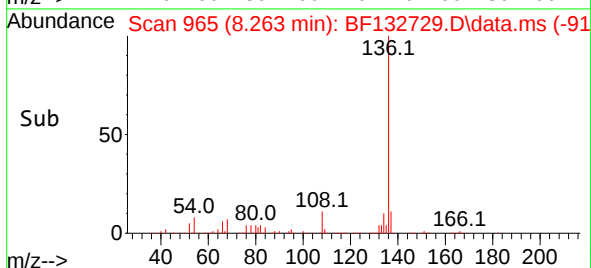
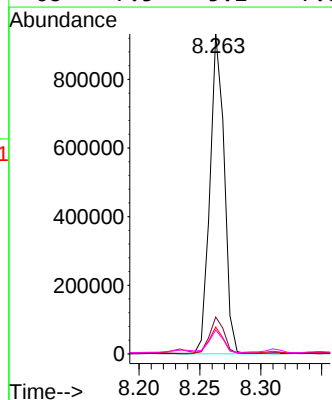
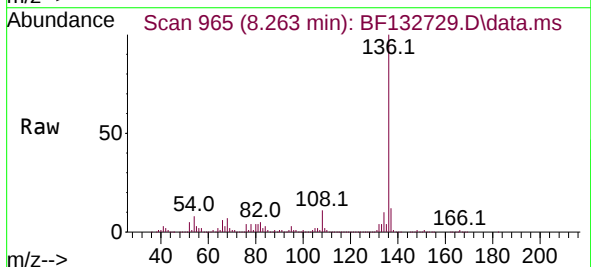
Manual Integrations
APPROVED

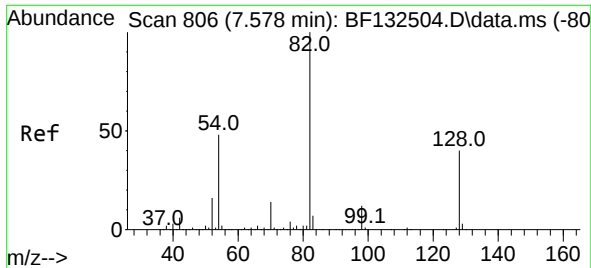
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:136 Resp: 764275
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.4 6.2 9.4
68 7.5 5.2 7.8





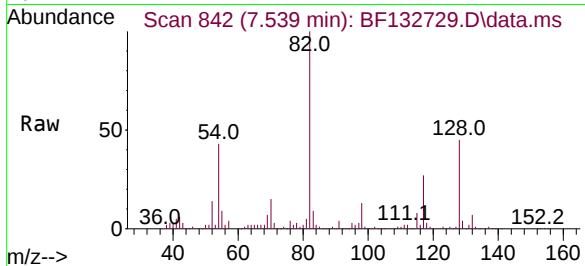
#23
Nitrobenzene-d5
Concen: 11.367 ng
RT: 7.539 min Scan# 84
Delta R.T. -0.018 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

TR-05-030823

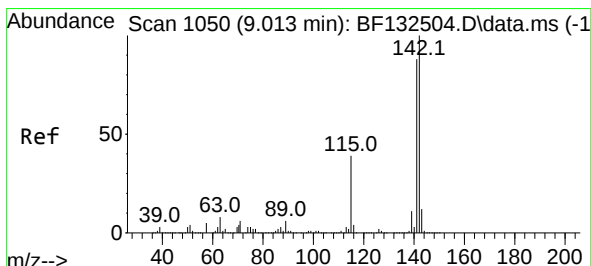
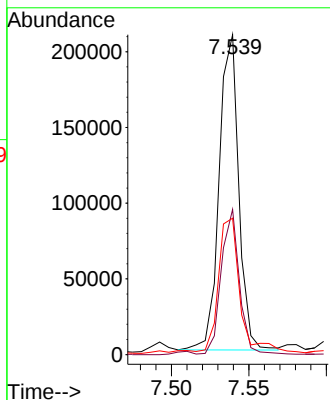
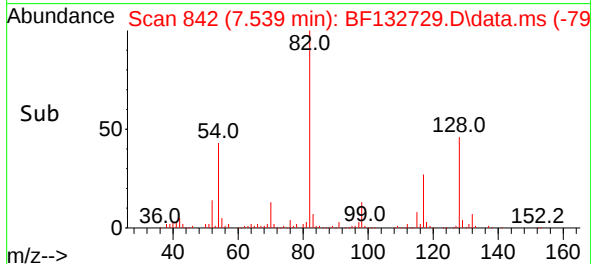


Tgt Ion: 82 Resp: 183105
Ion Ratio Lower Upper
82 100
128 45.4 32.2 48.2
54 42.6 38.4 57.6

Manual Integrations

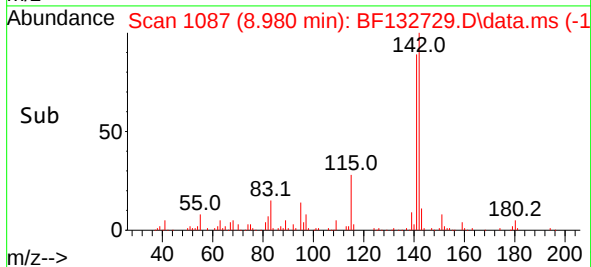
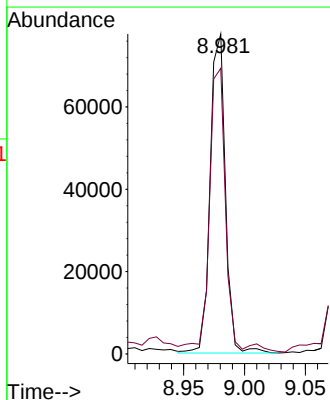
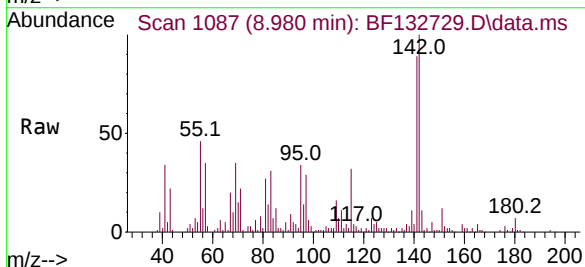
APPROVED

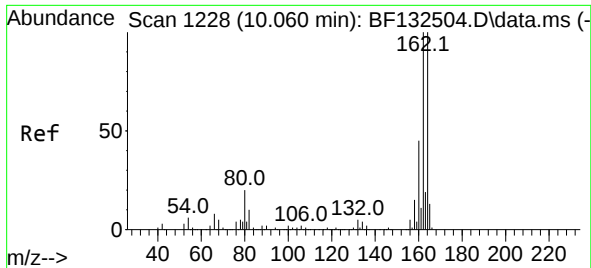
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#37
2-Methylnaphthalene
Concen: 2.538 ng
RT: 8.980 min Scan# 1087
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:142 Resp: 67669
Ion Ratio Lower Upper
142 100
141 89.2 70.2 105.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

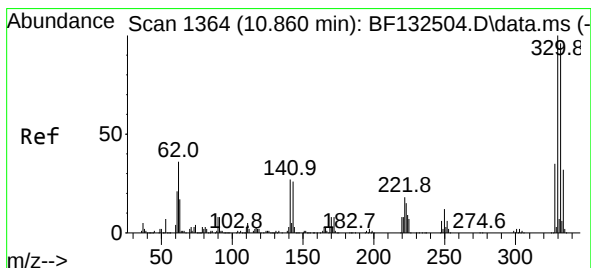
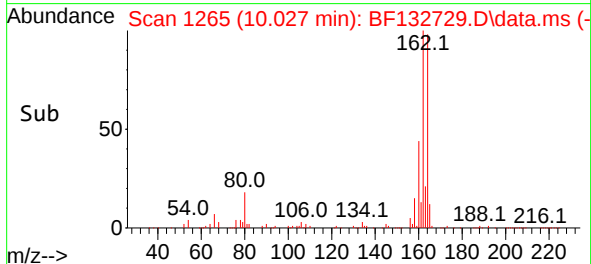
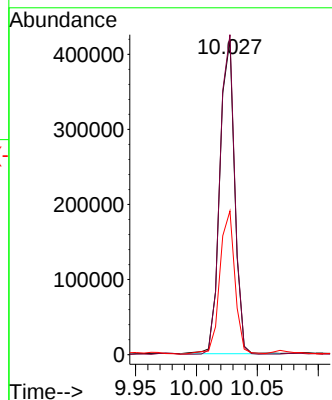
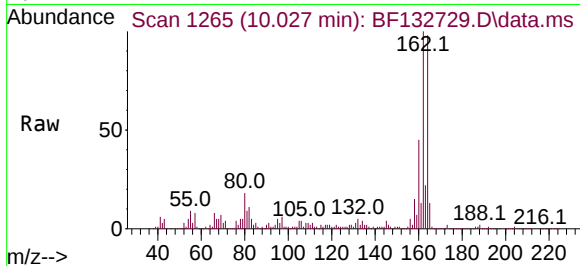
TR-05-030823

Tgt Ion:164 Resp: 353574
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 45.6 35.8 53.6

Manual Integrations

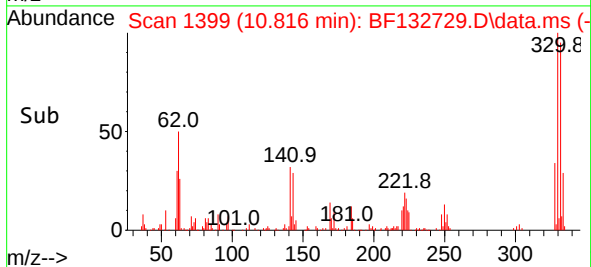
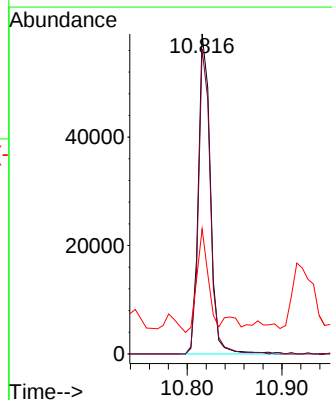
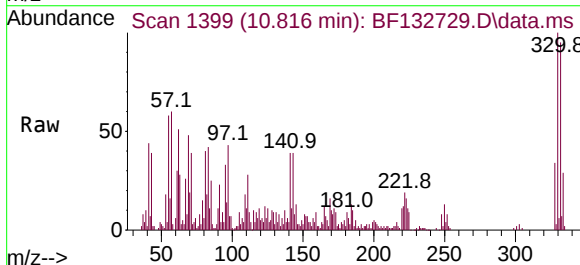
APPROVED

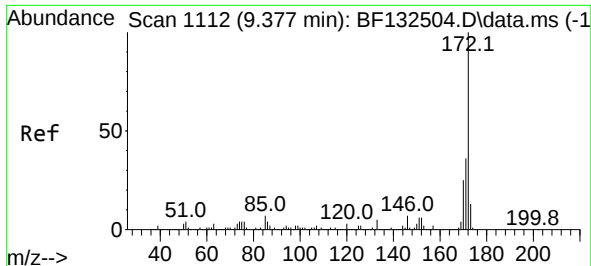
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#42
2,4,6-Tribromophenol
Concen: 13.569 ng
RT: 10.816 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:330 Resp: 51811
Ion Ratio Lower Upper
330 100
332 94.7 76.2 114.4
141 30.5 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 13.778 ng
RT: 9.339 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

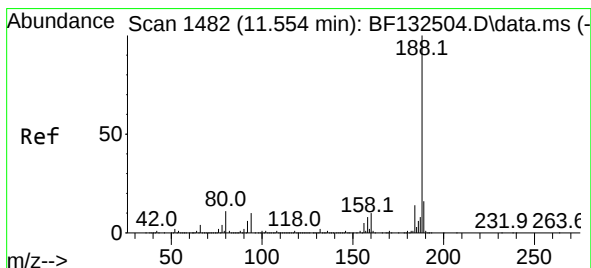
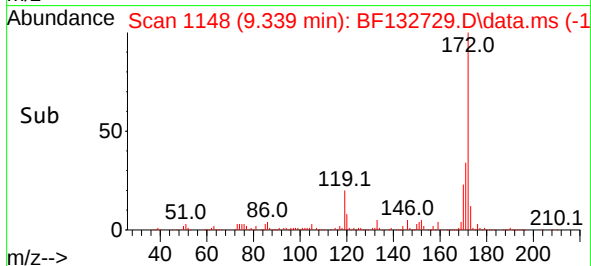
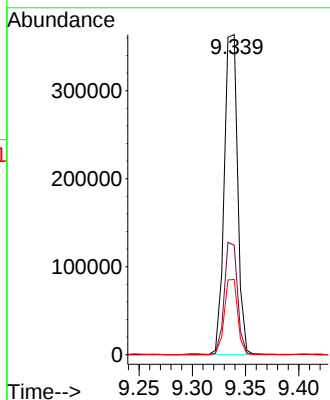
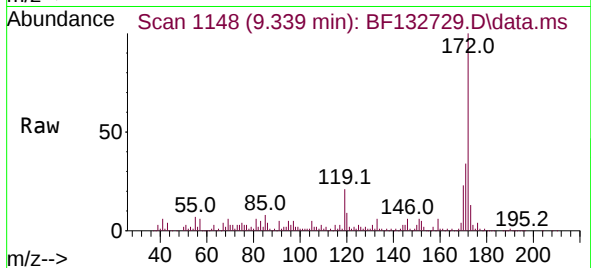
TR-05-030823

Tgt Ion:172 Resp: 319925
Ion Ratio Lower Upper
172 100
171 34.2 28.8 43.2
170 23.5 19.7 29.5

Manual Integrations

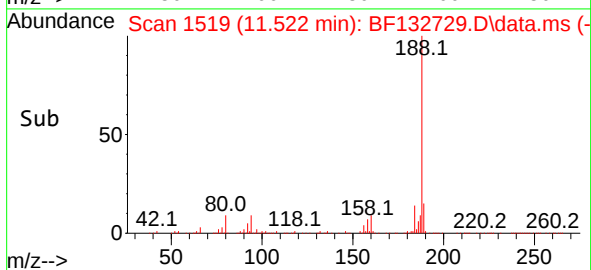
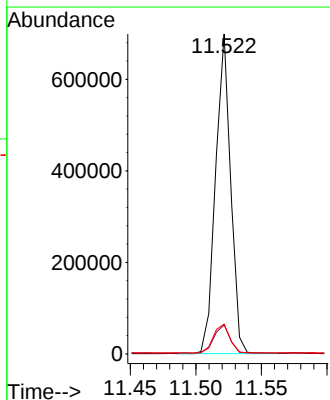
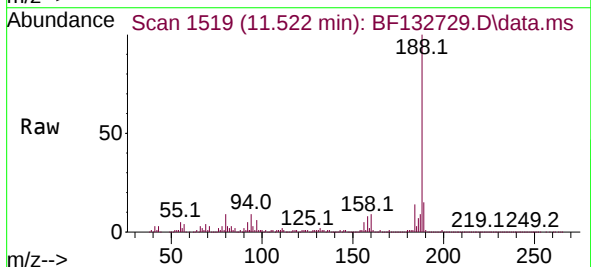
APPROVED

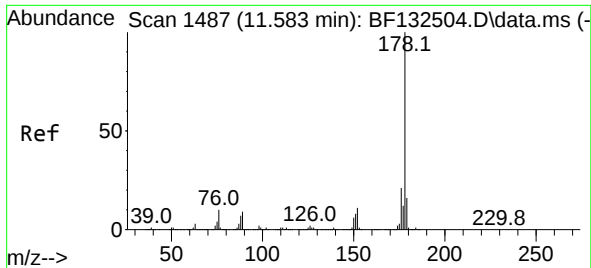
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:188 Resp: 561863
Ion Ratio Lower Upper
188 100
94 9.1 8.3 12.5
80 9.4 8.7 13.1





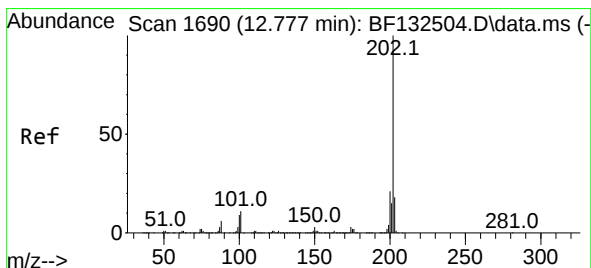
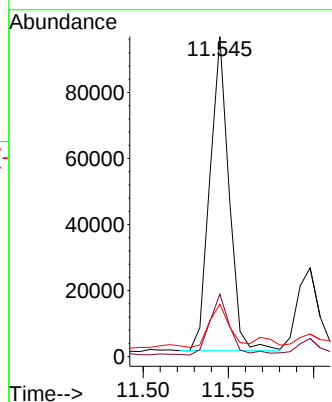
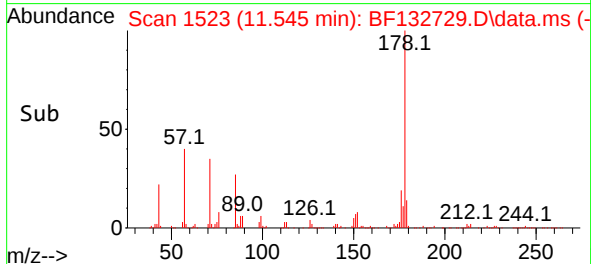
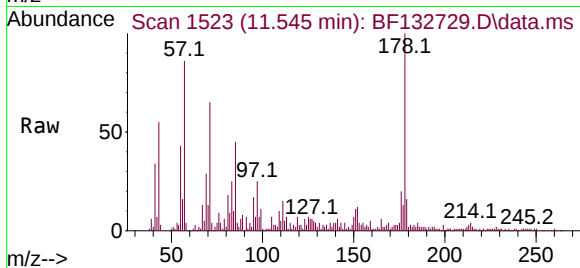
#71
Phenanthrene
Concen: 2.541 ng
RT: 11.545 min Scan# 1726
Delta R.T. -0.012 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :
BNA_F
ClientSampleId :
TR-05-030823

Tgt Ion:178 Resp: 73961
Ion Ratio Lower Upper
178 100
176 19.5 16.5 24.7
179 16.4 13.0 19.6

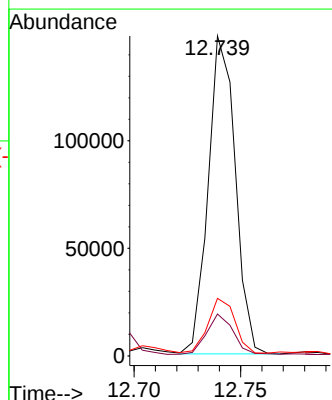
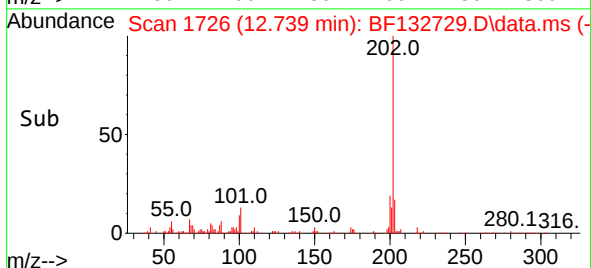
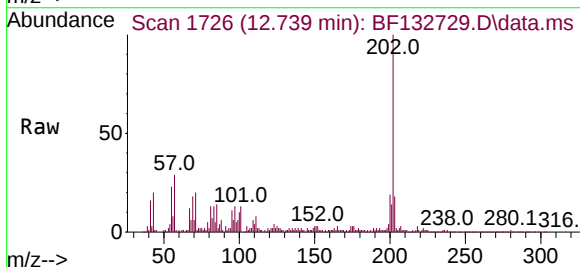
Manual Integrations
APPROVED

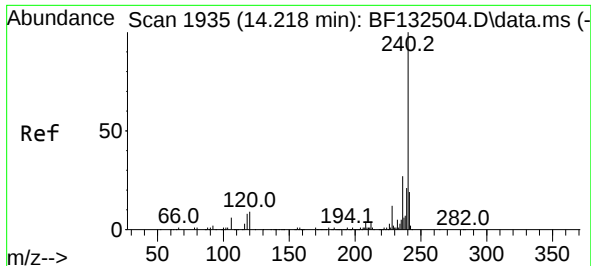
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#75
Fluoranthene
Concen: 4.113 ng
RT: 12.739 min Scan# 1726
Delta R.T. -0.012 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:202 Resp: 130861
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 18.0 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

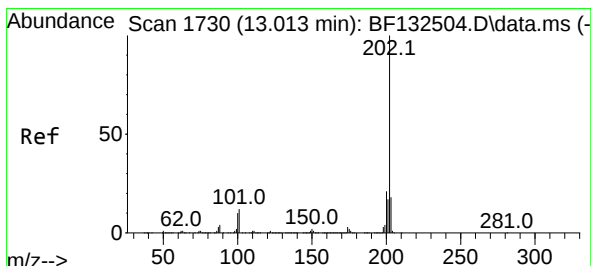
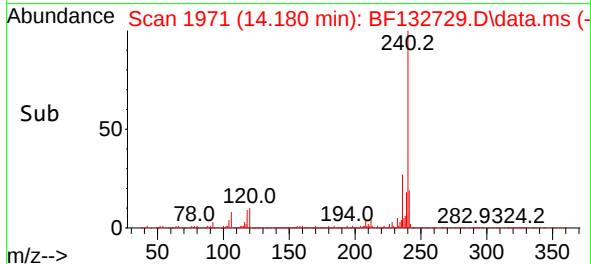
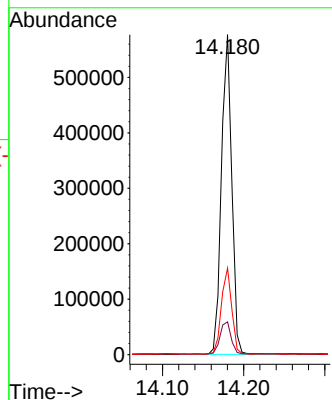
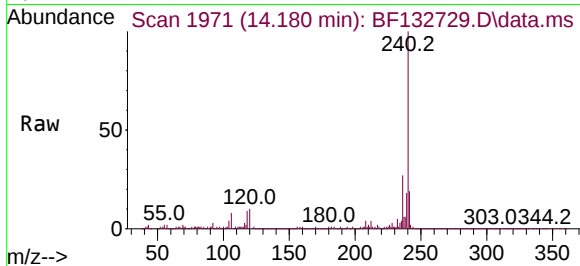
ClientSampleId :

TR-05-030823

Tgt Ion:240 Resp: 508844
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 27.0 21.8 32.6

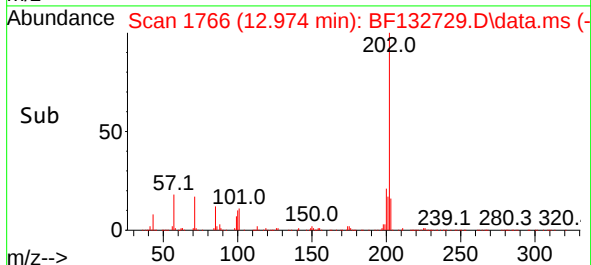
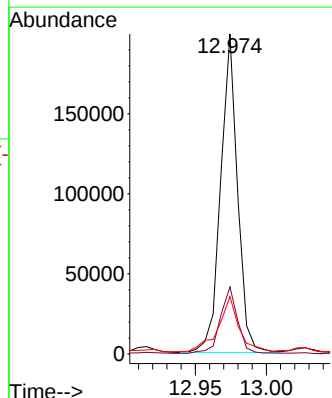
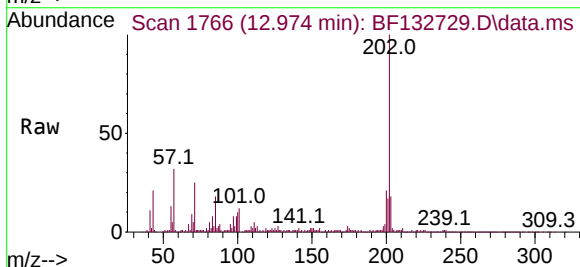
Manual Integrations
APPROVED

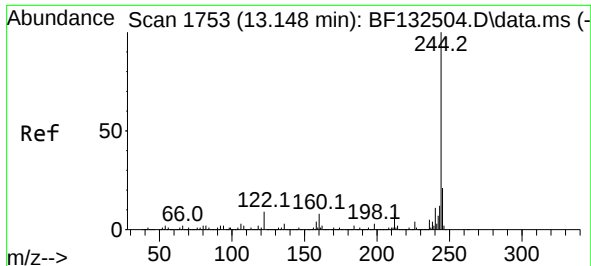
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#78
Pyrene
Concen: 3.564 ng
RT: 12.974 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:202 Resp: 164885
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 17.9 14.6 21.8





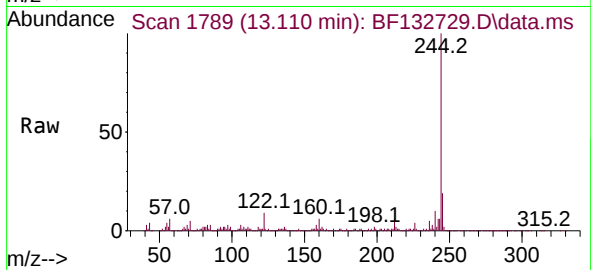
#79
Terphenyl-d14
Concen: 10.505 ng
RT: 13.110 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

TR-05-030823

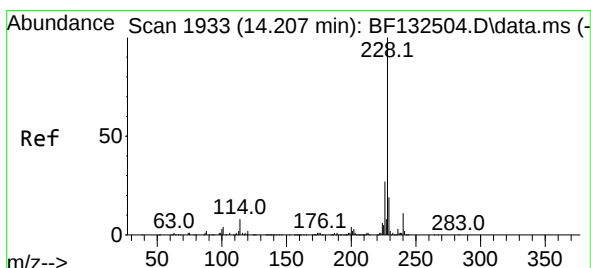
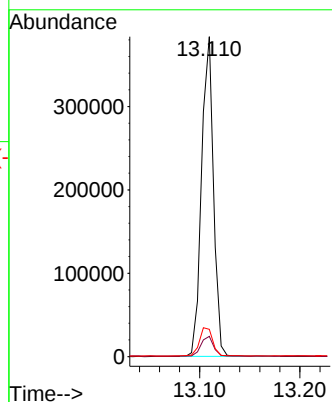
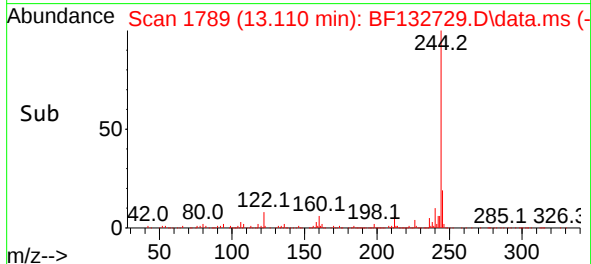


Tgt Ion:244 Resp: 31617
Ion Ratio Lower Upper
244 100
212 6.3 6.5 9.7
122 8.5 7.5 11.3

Manual Integrations

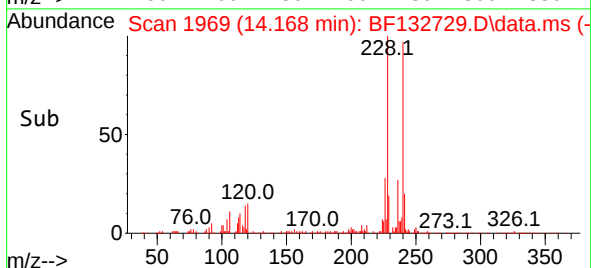
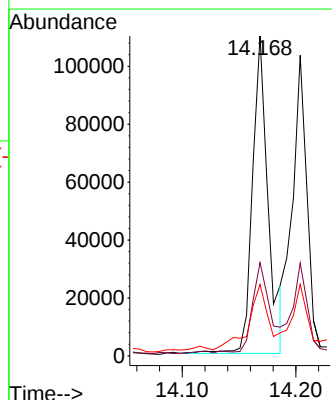
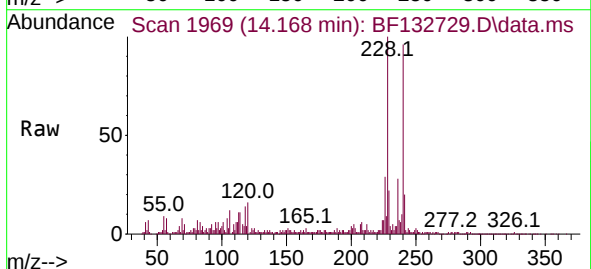
APPROVED

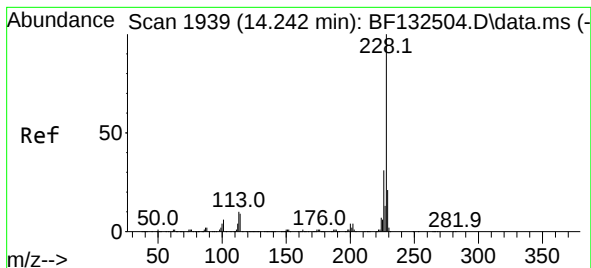
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#81
Benzo(a)anthracene
Concen: 2.759 ng
RT: 14.168 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:228 Resp: 105036
Ion Ratio Lower Upper
228 100
226 29.1 21.7 32.5
229 22.3 15.4 23.2





#83

Chrysene

Concen: 2.626 ng

RT: 14.204 min Scan# 1939

Delta R.T. -0.012 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

TR-05-030823

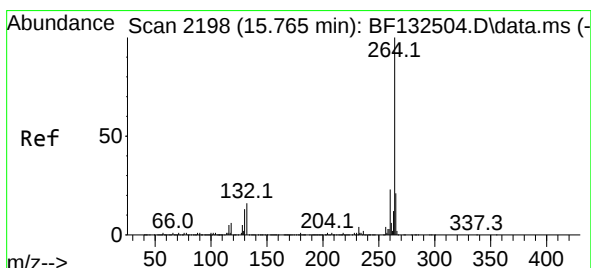
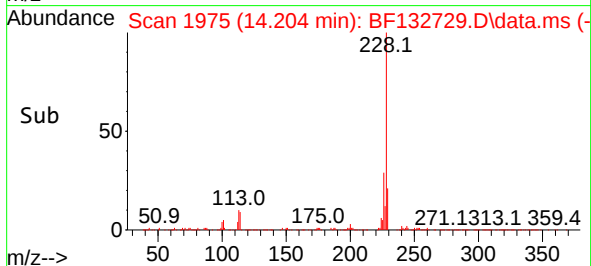
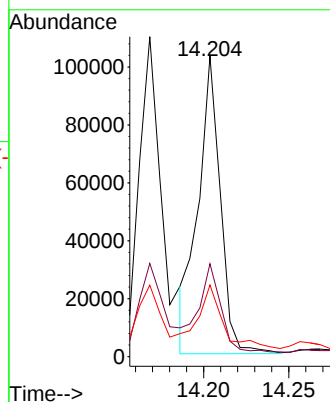
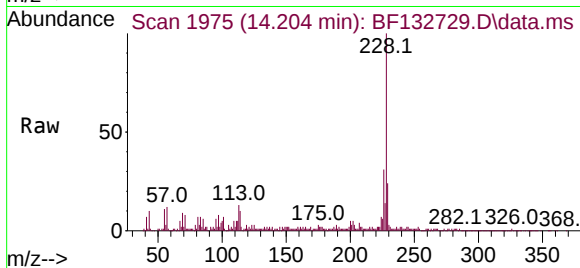
Tgt Ion:	228	Resp:	93496
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	23.8	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/10/2023

Supervised By :Jagrut Upadhyay 03/10/2023



#86

Perylene-d12

Concen: 20.000 ng

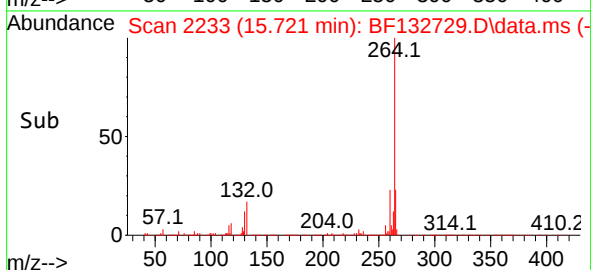
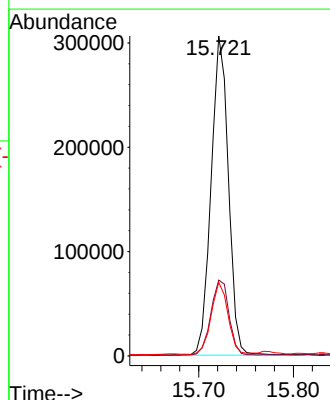
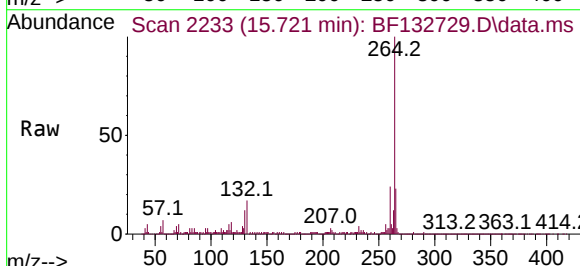
RT: 15.721 min Scan# 2233

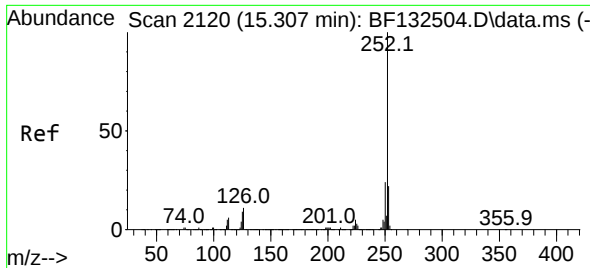
Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Tgt Ion:	264	Resp:	388359
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.8	28.2
265	23.0	17.1	25.7





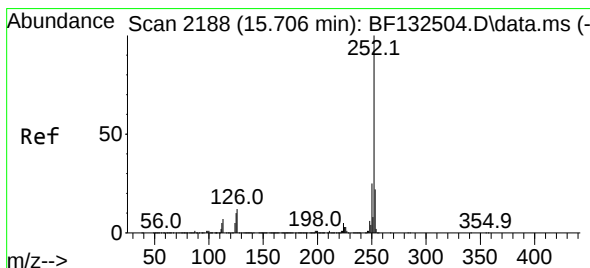
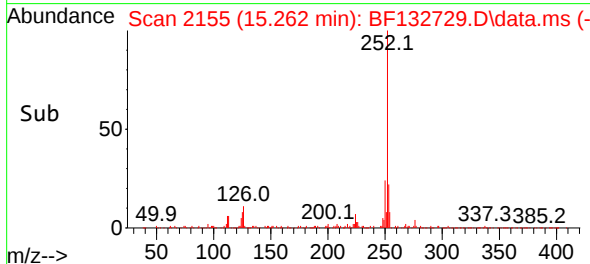
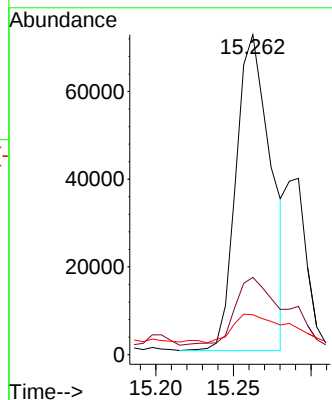
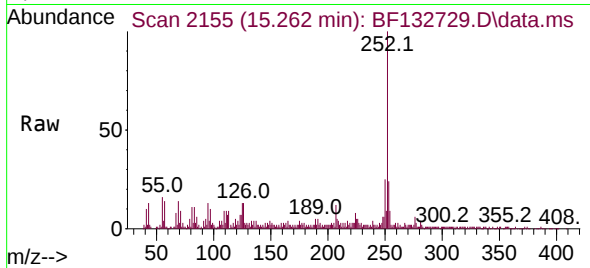
#88
Benzo(b)fluoranthene
Concen: 4.341 ng m
RT: 15.262 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :
BNA_F
ClientSampleId :
TR-05-030823

Tgt Ion:252 Resp: 112979
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 12.5 7.0 10.6

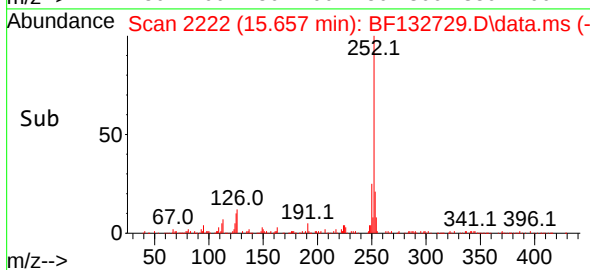
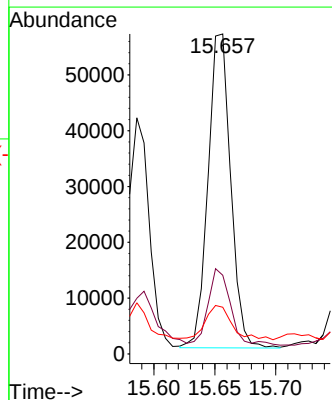
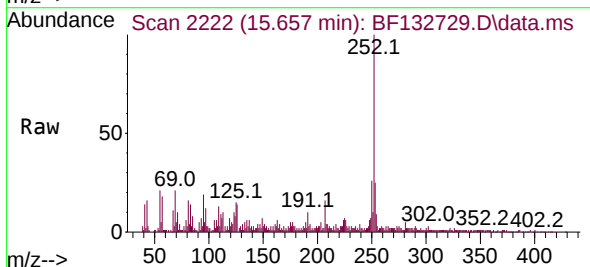
Manual Integrations
APPROVED

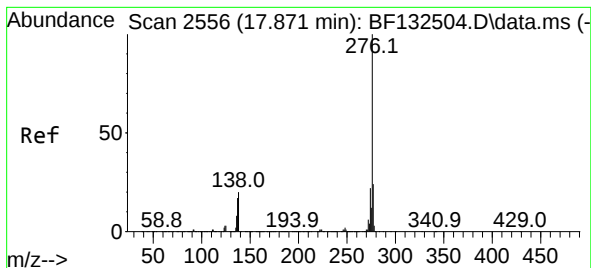
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#90
Benzo(a)pyrene
Concen: 2.995 ng
RT: 15.657 min Scan# 2222
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:252 Resp: 72959
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 14.6 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 3.144 ng

RT: 17.792 min Scan# 2585

Delta R.T. -0.023 min

Lab File: BF132729.D

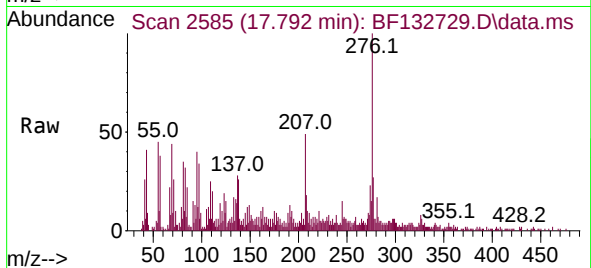
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

TR-05-030823



Tgt Ion:	276	Resp:	37102
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.9	28.3
138	25.7	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/10/2023

Supervised By :Jagrut Upadhyay 03/10/2023

