

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132716.D
 Acq On : 09 Mar 2023 14:03
 Operator : CG\JU
 Sample : 01834-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Mar 09 15:55:14 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 11:52:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	180852	20.000	ng	-0.01
21) Naphthalene-d8	8.263	136	682803	20.000	ng	-0.02
39) Acenaphthene-d10	10.028	164	336432	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	532693	20.000	ng	-0.01
76) Chrysene-d12	14.180	240	394967	20.000	ng	-0.02
86) Perylene-d12	15.727	264	392776	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1197351	107.451	ng	0.00
7) Phenol-d6	6.610	99	1502770	103.333	ng	-0.01
23) Nitrobenzene-d5	7.545	82	956514	66.463	ng	-0.02
42) 2,4,6-Tribromophenol	10.822	330	327498	90.137	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	1508975	68.295	ng	-0.02
79) Terphenyl-d14	13.110	244	1252543	53.618	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.545	178	128649	4.662	ng	96
75) Fluoranthene	12.739	202	167221	5.543	ng	97
78) Pyrene	12.974	202	222617	6.199	ng	97
81) Benzo(a)anthracene	14.168	228	117028	3.960	ng	99
83) Chrysene	14.204	228	106005	3.836	ng	98
88) Benzo(b)fluoranthene	15.263	252	143042m	5.434	ng	
89) Benzo(k)fluoranthene	15.292	252	57700m	2.240	ng	
90) Benzo(a)pyrene	15.657	252	113456	4.605	ng	96
92) Benzo(g,h,i)perylene	17.792	276	45317	3.462	ng	95

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

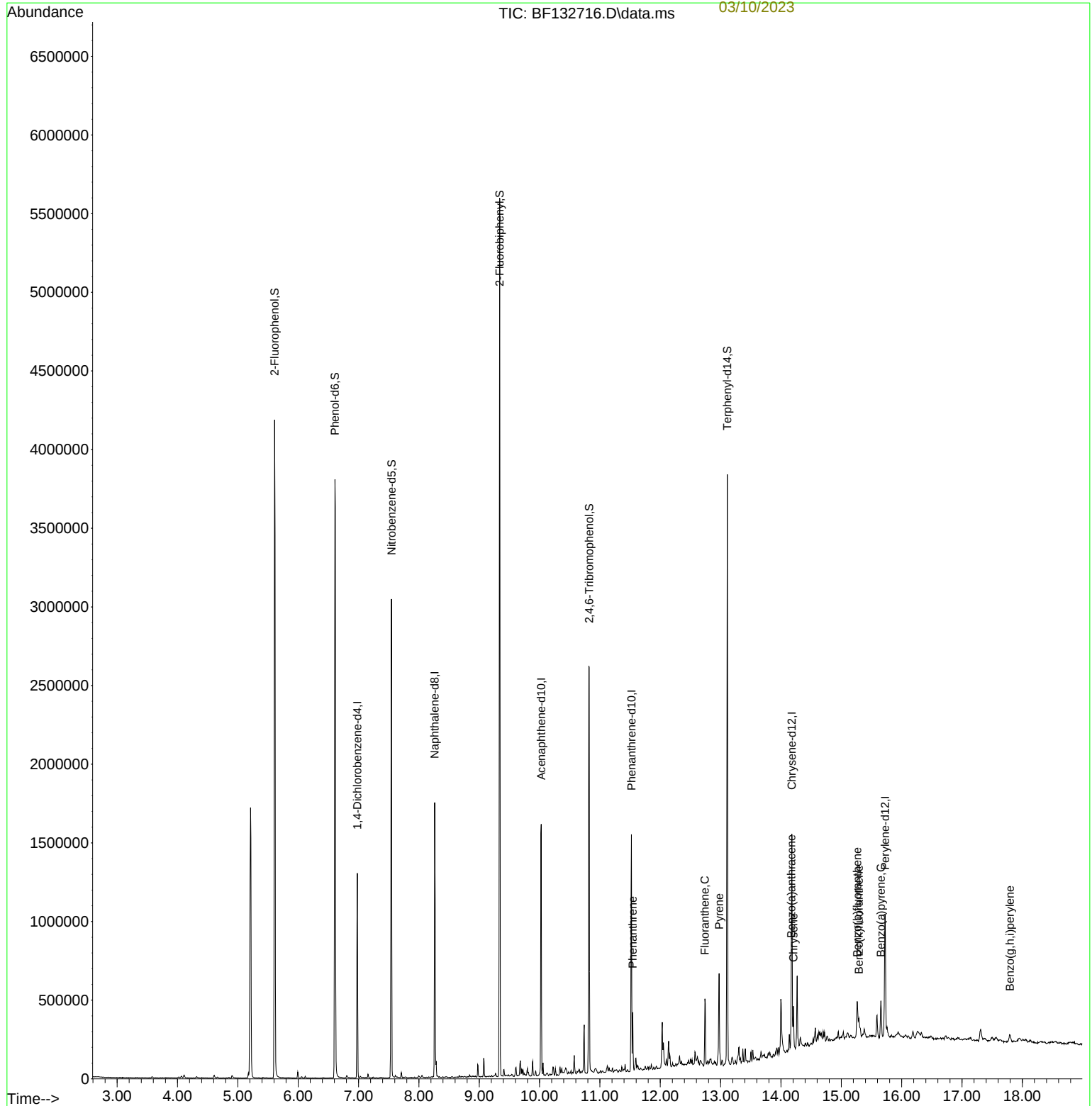
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132716.D
Acq On : 09 Mar 2023 14:03
Operator : CG\JU
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Manual Integrations
APPROVED

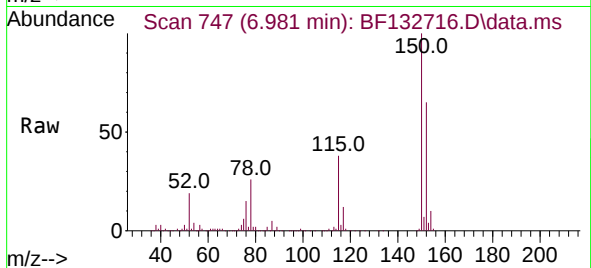
Reviewed By :Christian
Giraldo
03/10/2023
Supervised By :Jagrut
Upadhyay
03/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

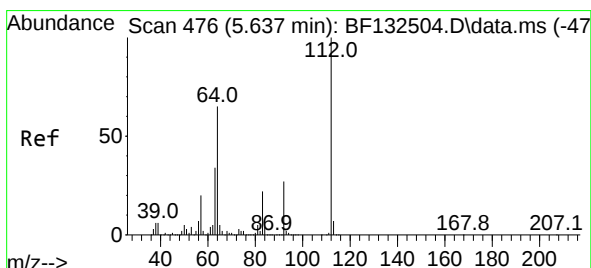
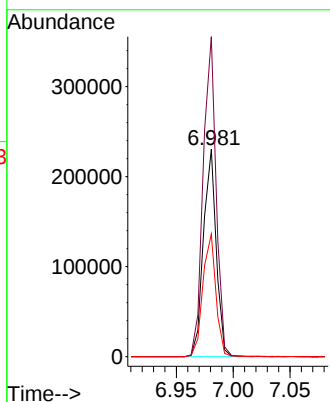
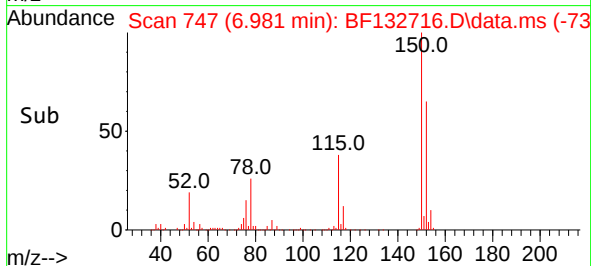
Instrument :
BNA_F
ClientSampleId :
TP-10



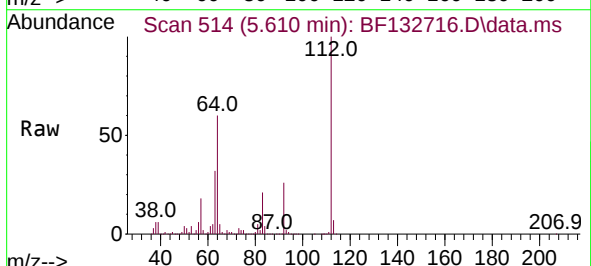
Tgt Ion:152 Resp: 180852
Ion Ratio Lower Upper
152 100
150 154.4 125.4 188.2
115 59.1 47.8 71.6

Manual Integrations
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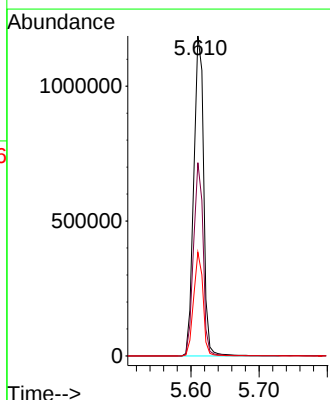
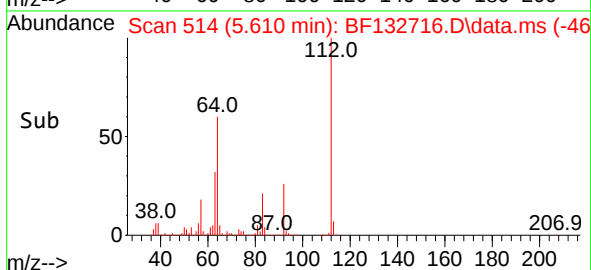
Reviewed By :Christian
Giraldo
03/10/2023
Supervised By :Jagrut
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03/10/2023



#5
2-Fluorophenol
Concen: 107.451 ng
RT: 5.610 min Scan# 514
Delta R.T. -0.006 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03



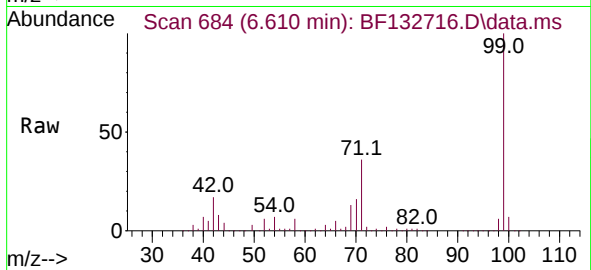
Tgt Ion:112 Resp: 1197351
Ion Ratio Lower Upper
112 100
64 60.4 51.6 77.4
63 32.4 27.4 41.2





#7
Phenol-d6
Concen: 103.333 ng
RT: 6.610 min Scan# 684
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :
TP-10

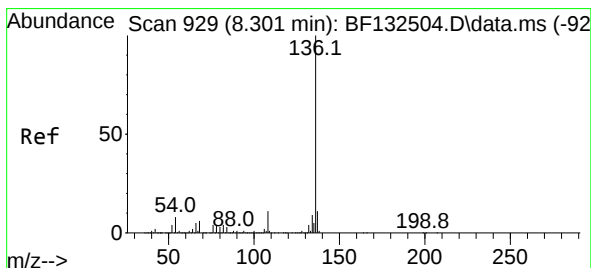
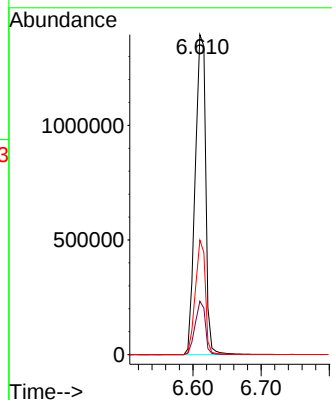


Tgt Ion: 99 Resp: 1502776
Ion Ratio Lower Upper
99 100
42 16.7 13.9 20.9
71 35.8 28.5 42.7

Manual Integrations
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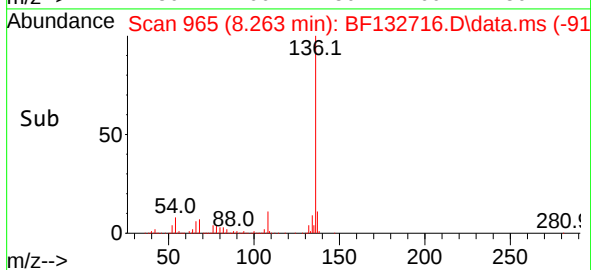
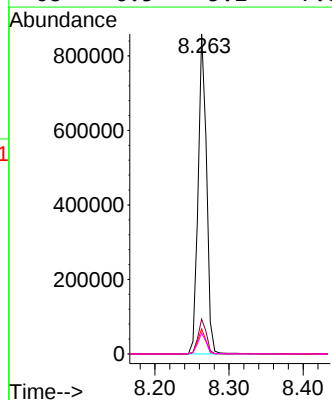
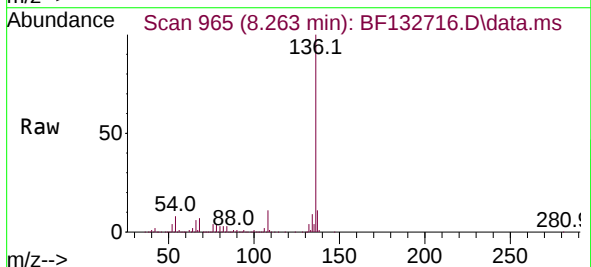
Reviewed By :Christian
Giraldo
03/10/2023

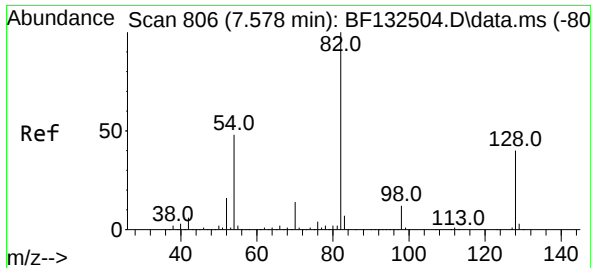
Supervised By :Jagrut
Upadhyay
03/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 965
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:136 Resp: 682803
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 6.2 9.4
68 6.5 5.2 7.8





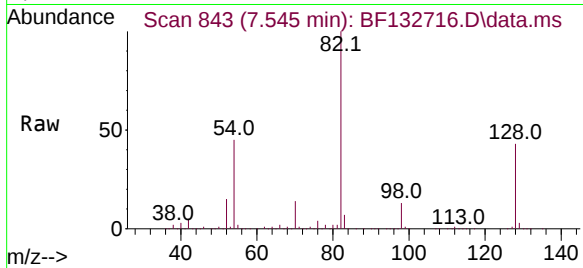
#23
Nitrobenzene-d5
Concen: 66.463 ng
RT: 7.545 min Scan# 84
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

TP-10



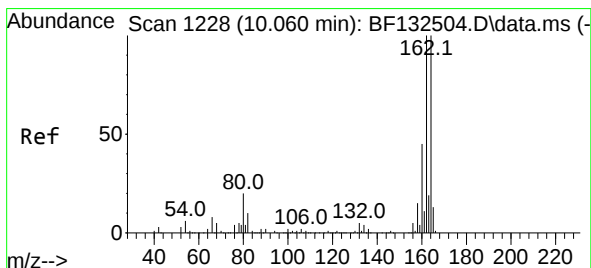
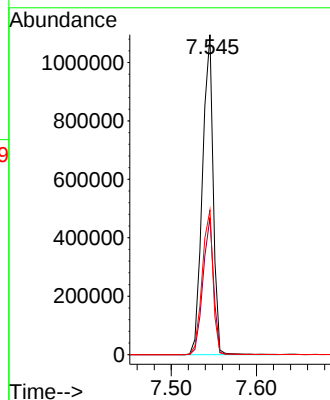
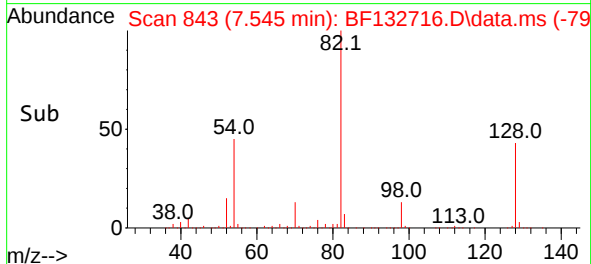
Tgt Ion: 82 Resp: 956514
Ion Ratio Lower Upper
82 100
128 42.8 32.2 48.2
54 45.2 38.4 57.6

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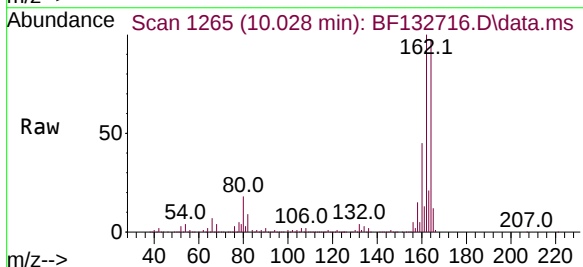
Reviewed By :Christian
Giraldo

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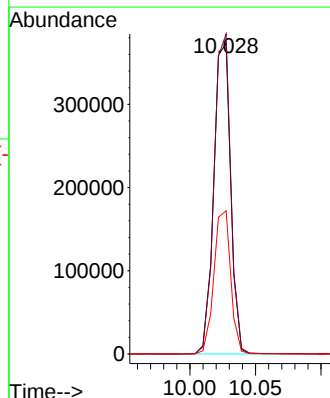
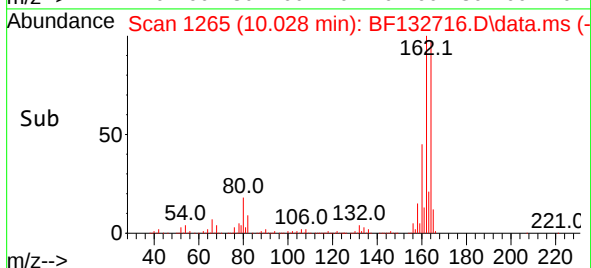
Supervised By :Jagrut
Upadhyay
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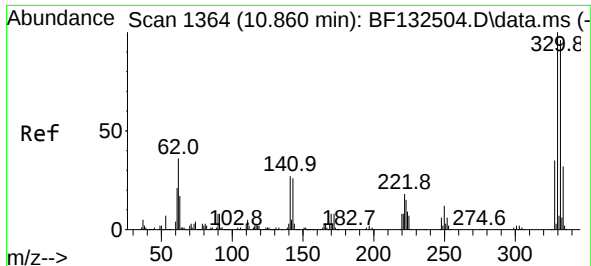


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.028 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03



Tgt Ion:164 Resp: 336432
Ion Ratio Lower Upper
164 100
162 103.0 79.8 119.8
160 46.1 35.8 53.6





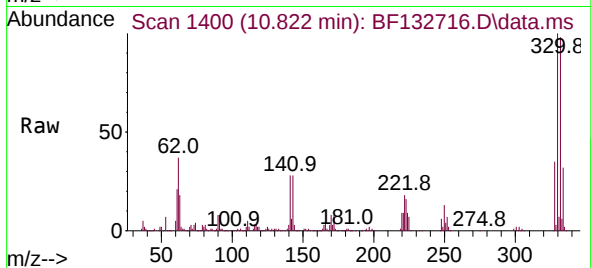
#42
2,4,6-Tribromophenol
Concen: 90.137 ng
RT: 10.822 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

TP-10



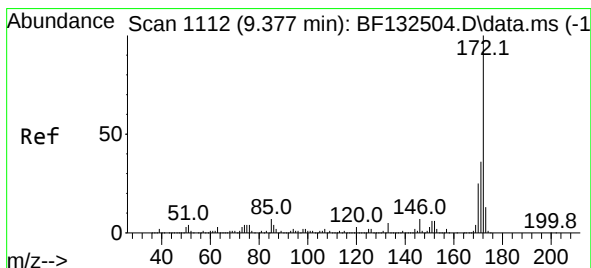
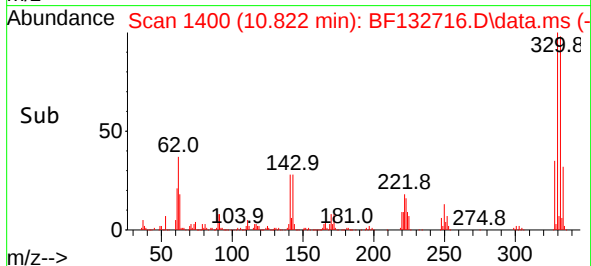
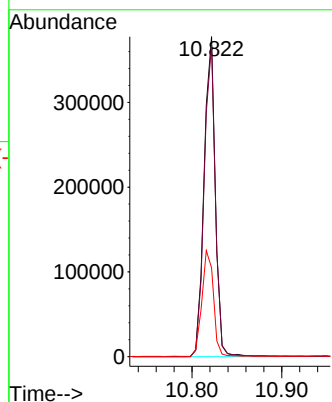
Tgt Ion:330 Resp: 327498
Ion Ratio Lower Upper
330 100
332 97.6 76.2 114.4
141 34.3 28.4 42.6

Manual Integrations
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Reviewed By :Christian
Giraldo

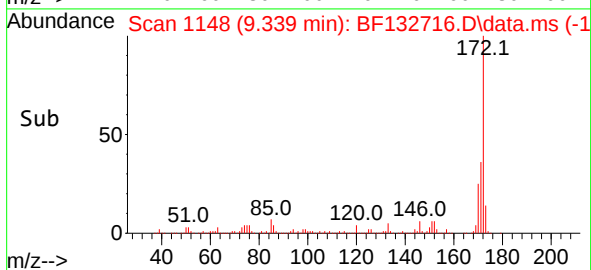
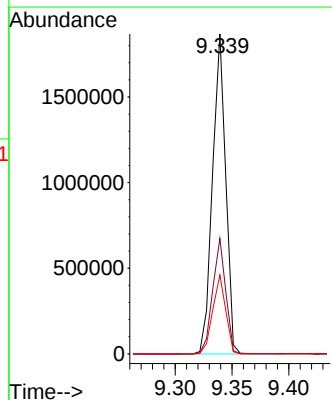
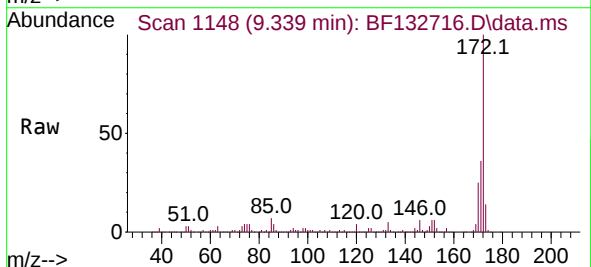
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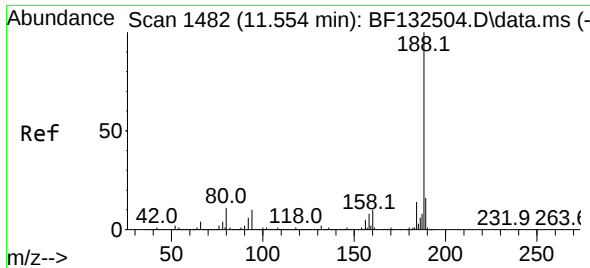
Supervised By :Jagrut
Upadhyay
03/10/2023



#45
2-Fluorobiphenyl
Concen: 68.295 ng
RT: 9.339 min Scan# 1148
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:172 Resp: 1508975
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.7 19.7 29.5





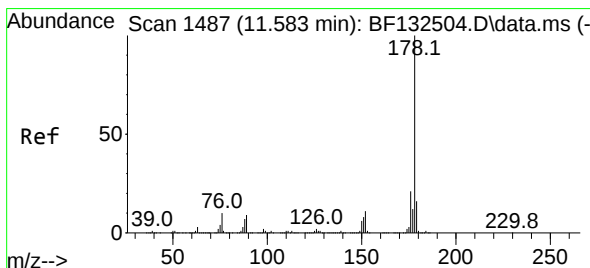
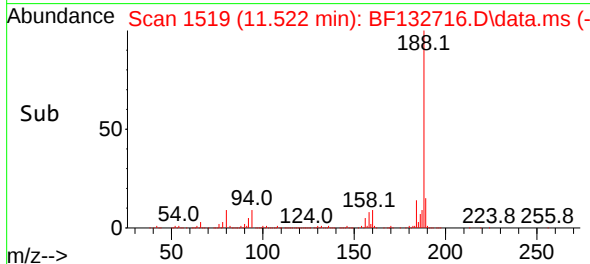
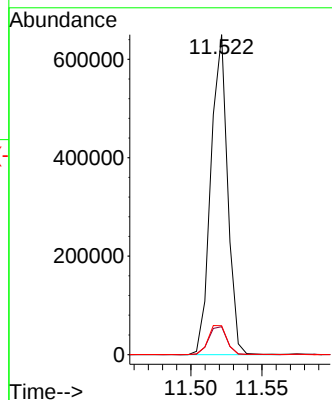
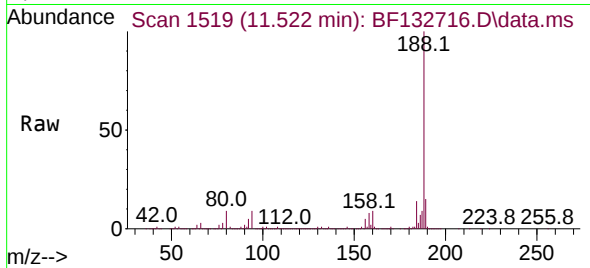
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 11523
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:188 Resp: 532693
Ion Ratio Lower Upper
188 100
94 8.7 8.3 12.5
80 9.0 8.7 13.1

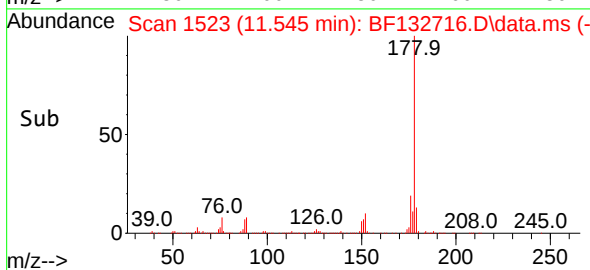
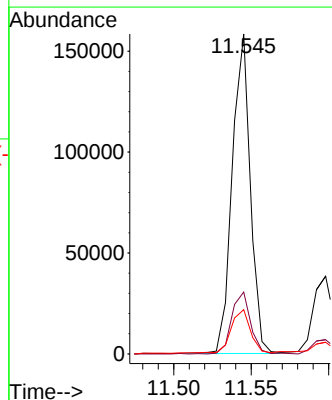
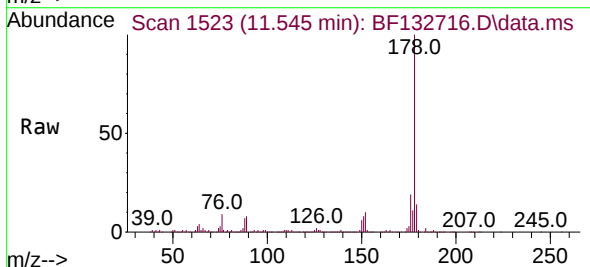
Manual Integrations
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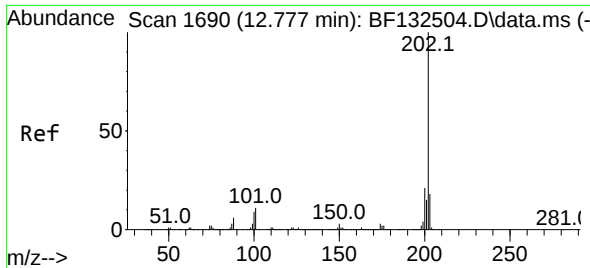
Reviewed By :Christian
Giraldo
03/10/2023
Supervised By :Jagrut
Upadhyay
03/10/2023



#71
Phenanthrene
Concen: 4.662 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

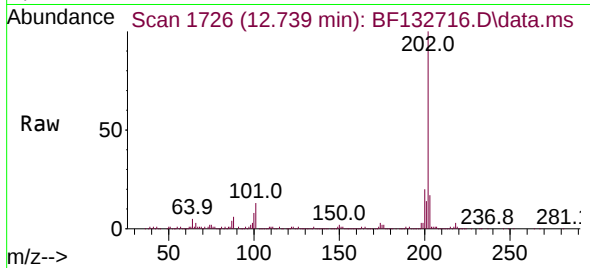
Tgt Ion:178 Resp: 128649
Ion Ratio Lower Upper
178 100
176 19.4 16.5 24.7
179 13.8 13.0 19.6





#75
Fluoranthene
Concen: 5.543 ng
RT: 12.739 min Scan# 1726
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :
TP-10

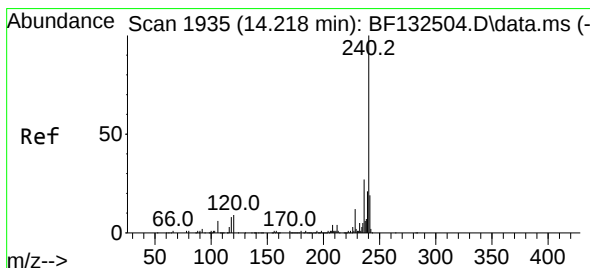
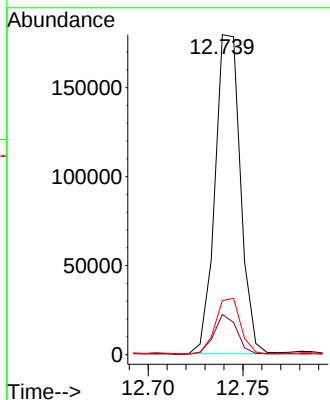
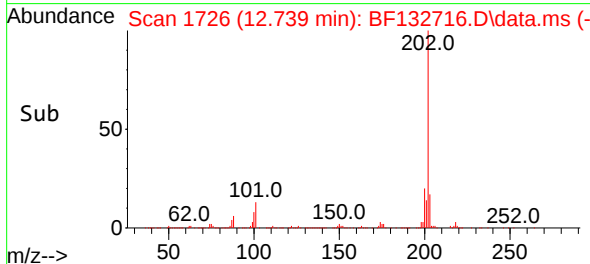


Tgt Ion:202 Resp: 16722
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 16.9 0.0 38.0

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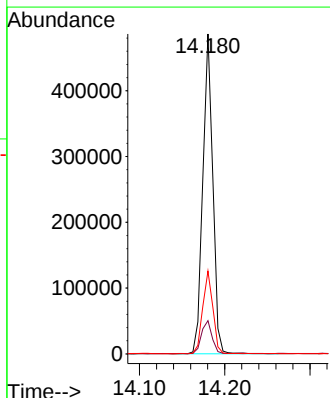
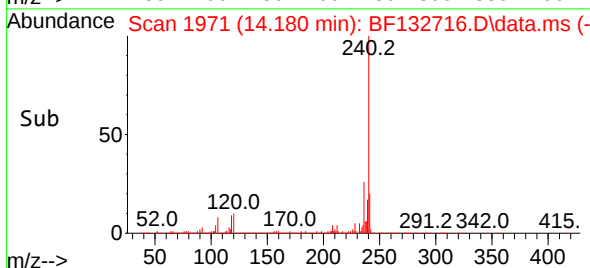
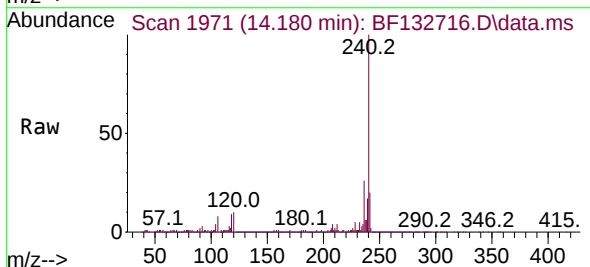
Reviewed By :Christian
Giraldo
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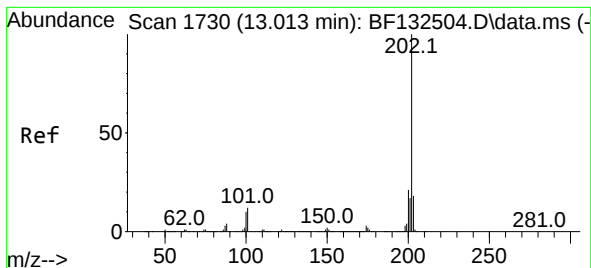
Supervised By :Jagrut
Upadhyay
03/10/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:240 Resp: 394967
Ion Ratio Lower Upper
240 100
120 10.4 7.2 10.8
236 25.9 21.8 32.6





#78

Pyrene

Concen: 6.199 ng

RT: 12.974 min Scan# 1766

Delta R.T. -0.018 min

Lab File: BF132716.D

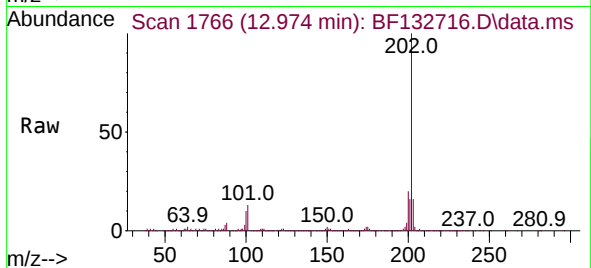
Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

TP-10



Tgt Ion:	202	Resp:	22261
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.1	25.7
203	16.3	14.6	21.8

Manual Integrations
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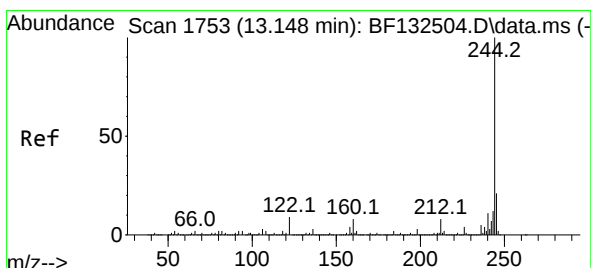
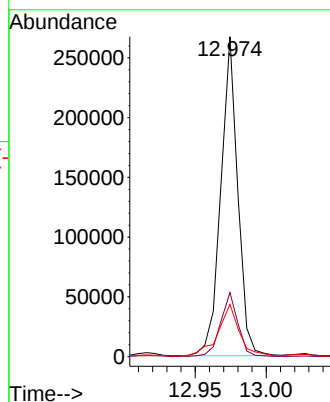
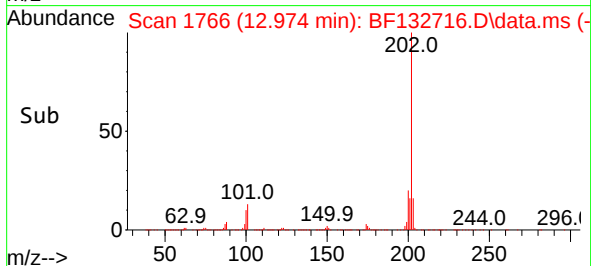
Reviewed By :Christian
Giraldo

03/10/2023

Supervised By :Jagrut

Upadhyay

03/10/2023



#79

Terphenyl-d14

Concen: 53.618 ng

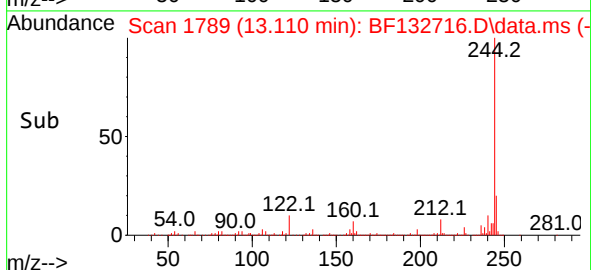
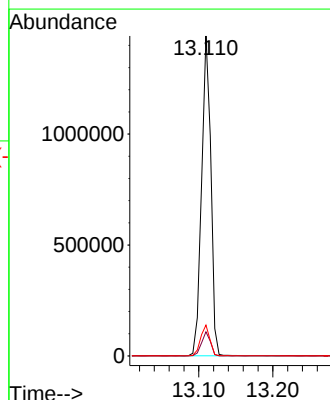
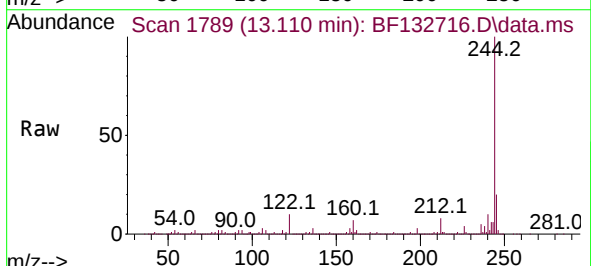
RT: 13.110 min Scan# 1789

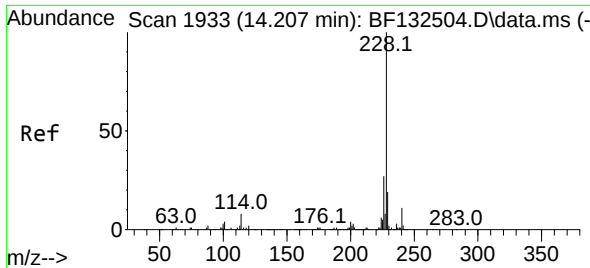
Delta R.T. -0.018 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

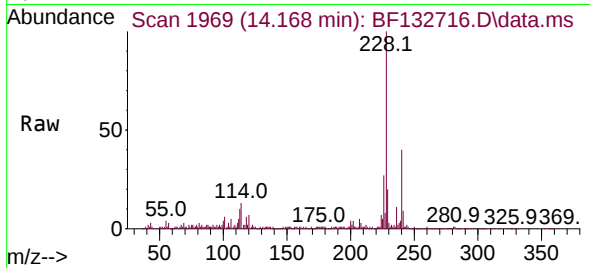
Tgt Ion:	244	Resp:	1252543
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.5	9.7
122	9.6	7.5	11.3





#81
Benzo(a)anthracene
Concen: 3.960 ng
RT: 14.168 min Scan# 1975
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

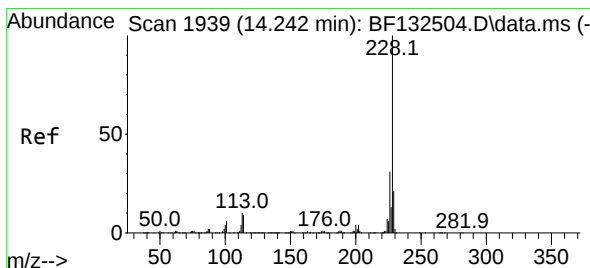
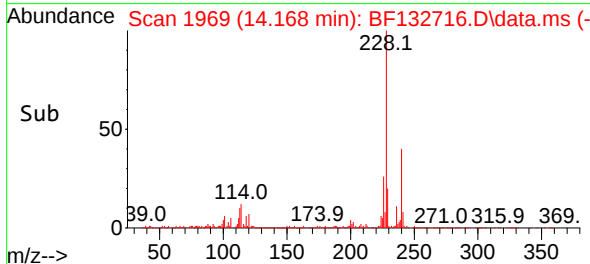
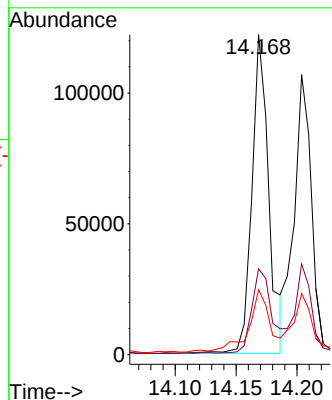
Instrument :
BNA_F
ClientSampleId :
TP-10



Tgt Ion:228 Resp: 117028
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 20.3 15.4 23.2

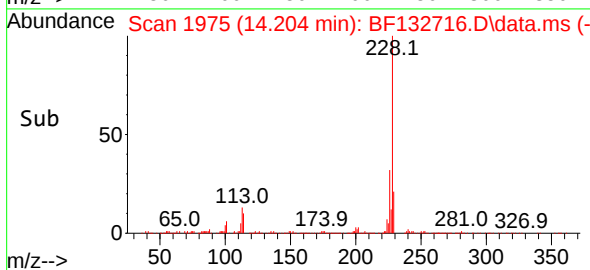
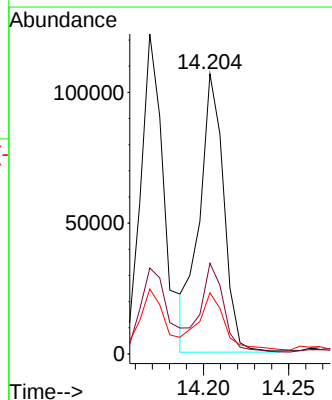
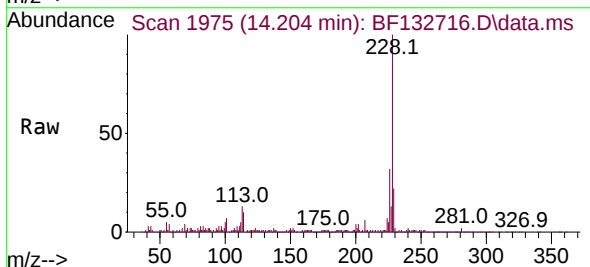
Manual Integrations
APPROVED

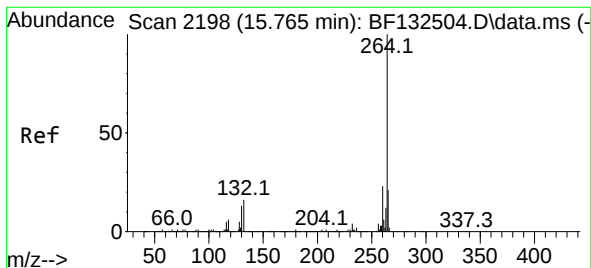
Reviewed By :Christian
Giraldo
03/10/2023
Supervised By :Jagrut
Upadhyay
03/10/2023



#83
Chrysene
Concen: 3.836 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

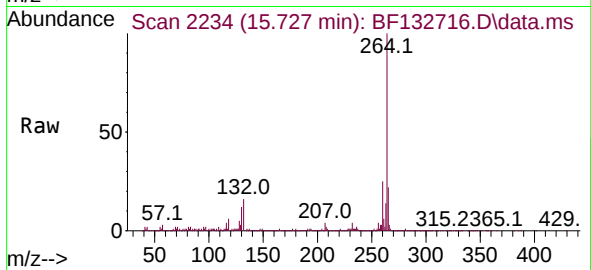
Tgt Ion:228 Resp: 106005
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.6
229 21.8 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.727 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

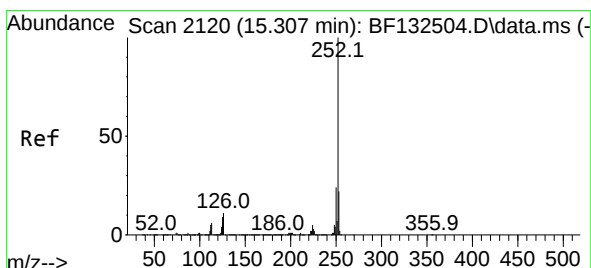
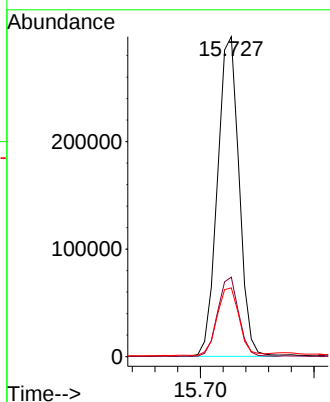
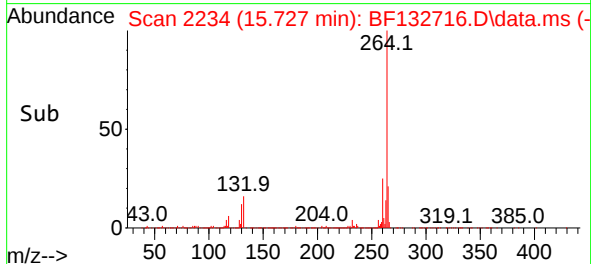
Instrument :
BNA_F
ClientSampleId :
TP-10



Tgt Ion:264 Resp: 392776
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 21.5 17.1 25.7

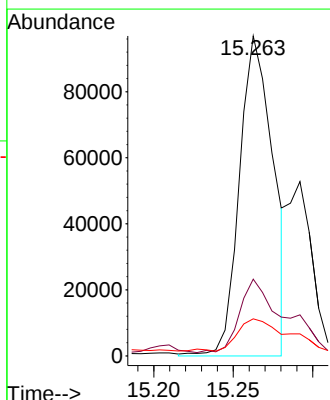
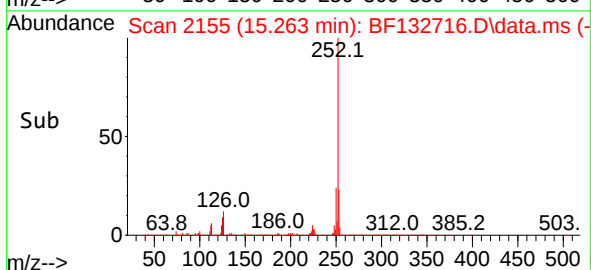
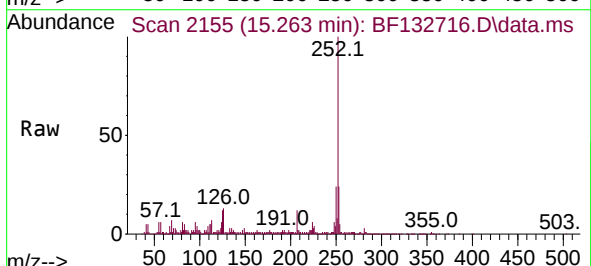
Manual Integrations
APPROVED

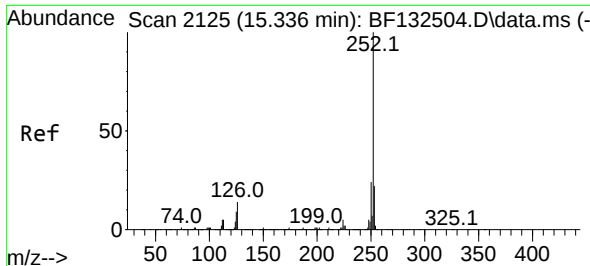
Reviewed By :Christian
Giraldo
03/10/2023
Supervised By :Jagrut
Upadhyay
03/10/2023



#88
Benzo(b)fluoranthene
Concen: 5.434 ng m
RT: 15.263 min Scan# 2155
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:252 Resp: 143042
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 11.6 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 2.240 ng m

RT: 15.292 min Scan# 2125

Delta R.T. -0.024 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

TP-10

Tgt Ion:252 Resp: 57700

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	12.7	7.2	10.8

Manual Integrations
APPROVED

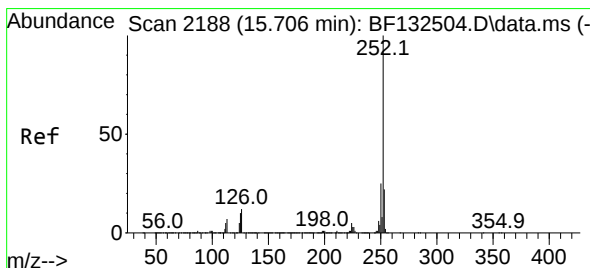
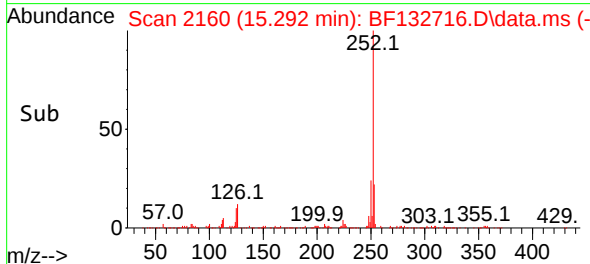
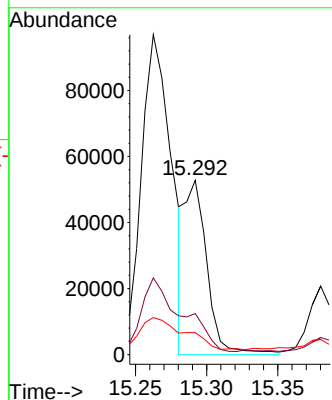
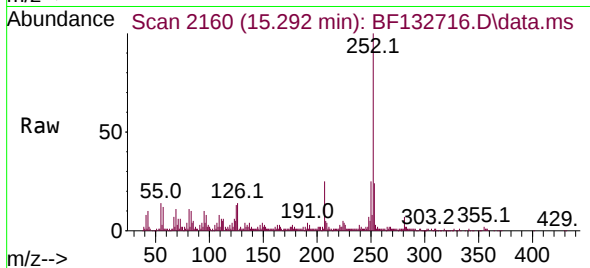
Reviewed By :Christian
Giraldo

03/10/2023

Supervised By :Jagrut

Upadhyay

03/10/2023



#90

Benzo(a)pyrene

Concen: 4.605 ng

RT: 15.657 min Scan# 2222

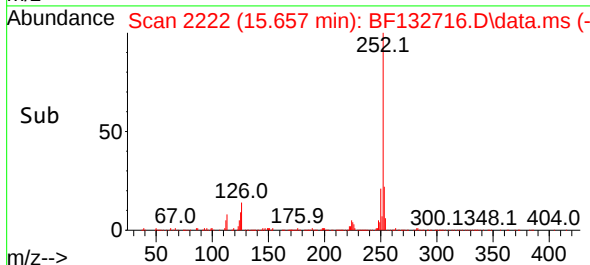
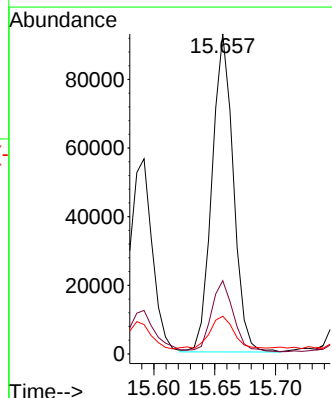
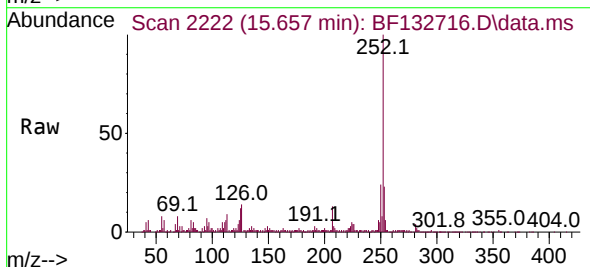
Delta R.T. -0.018 min

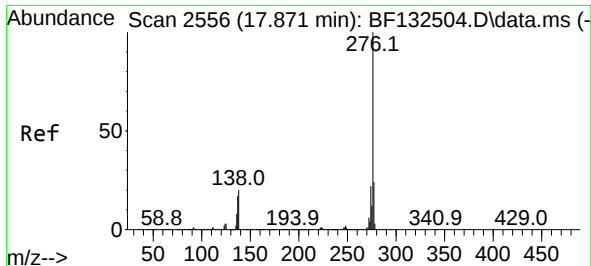
Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Tgt Ion:252 Resp: 113456

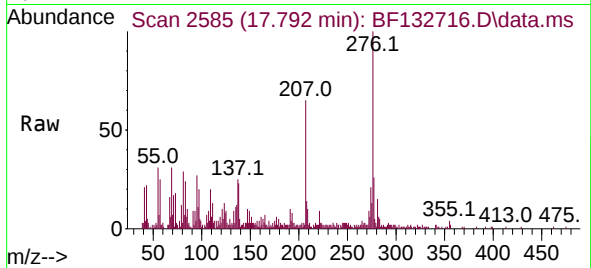
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.8	8.0	12.0





#92
Benzo(g,h,i)perylene
Concen: 3.462 ng
RT: 17.792 min Scan# 2585
Delta R.T. -0.041 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :
TP-10



Tgt Ion: 276 Resp: 4531
Ion Ratio Lower Upper
276 100
277 26.0 18.9 28.3
138 23.0 16.2 24.4

Manual Integrations
APPROVED

Reviewed By : Christian
Giraldo
03/10/2023

Supervised By : Jagrut
Upadhyay
03/10/2023

