

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133218.D
 Acq On : 03 May 2023 20:52
 Operator : CG\JU
 Sample : 02573-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2023
 Supervised By : Jagrut Upadhyay 05/04/2023

Quant Time: May 04 01:41:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	186305	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	738315	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	377873	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	604207	20.000	ng	0.00
76) Chrysene-d12	13.880	240	336931	20.000	ng	-0.01
86) Perylene-d12	15.298	264	369612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	918481	74.473	ng	0.00
7) Phenol-d6	6.369	99	1147513	74.962	ng	0.00
23) Nitrobenzene-d5	7.293	82	741893	54.238	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	124126	32.663	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1271037	56.274	ng	0.00
79) Terphenyl-d14	12.833	244	959143	49.096	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	316814	9.756	ng	99
75) Fluoranthene	12.457	202	426677	13.092	ng	95
78) Pyrene	12.680	202	376306	13.029	ng	100
81) Benzo(a)anthracene	13.869	228	150829	6.510	ng	95
83) Chrysene	13.904	228	156619	6.761	ng	96
87) Indeno(1,2,3-cd)pyrene	16.668	276	60681	2.886	ng	93
88) Benzo(b)fluoranthene	14.892	252	192940m	8.205	ng	
89) Benzo(k)fluoranthene	14.916	252	69069m	2.963	ng	
90) Benzo(a)pyrene	15.239	252	130724	6.108	ng	99
92) Benzo(g,h,i)perylene	17.080	276	55524	3.207	ng	98

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

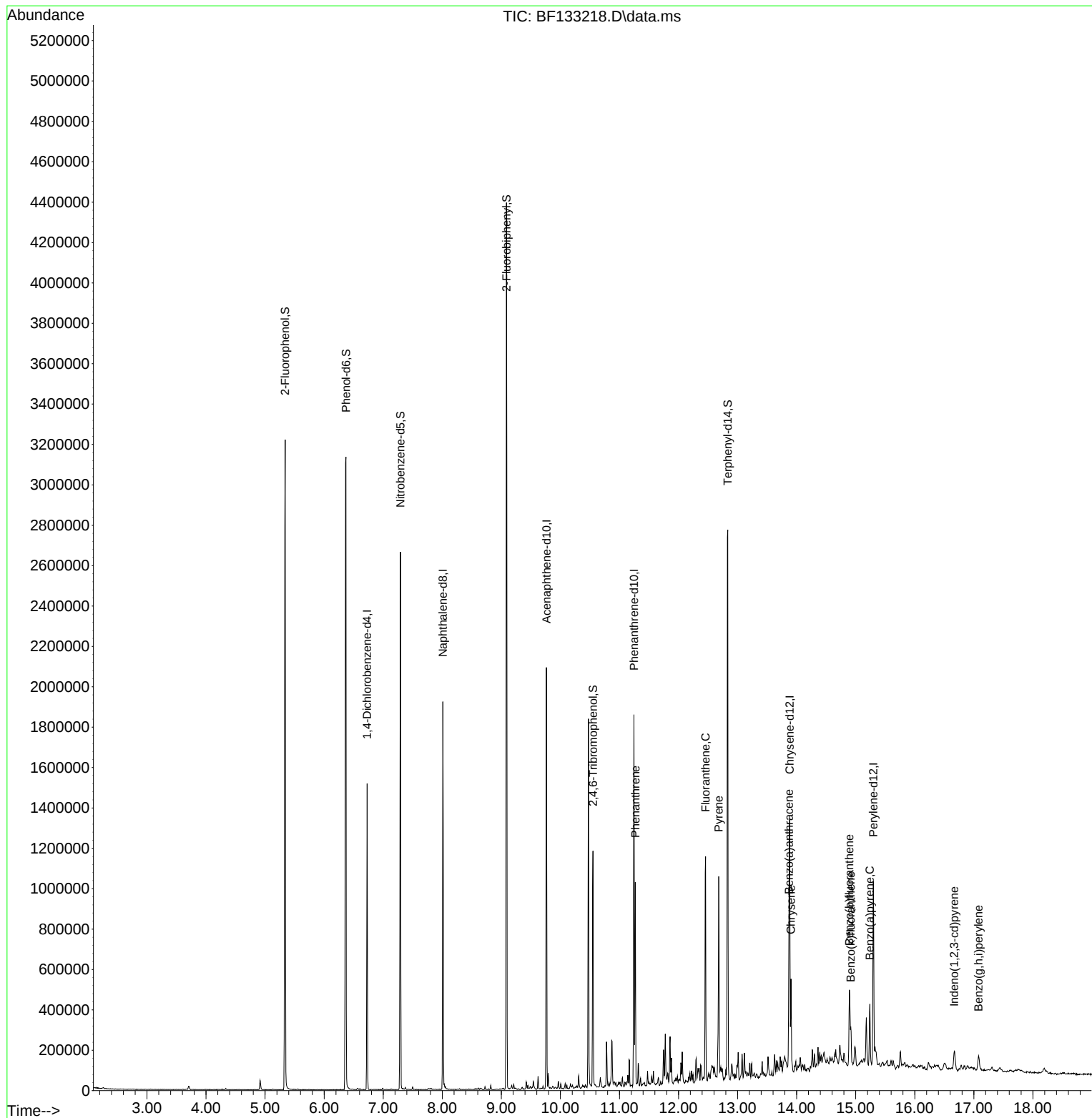
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133218.D
Acq On : 03 May 2023 20:52
Operator : CG\JU
Sample : 02573-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

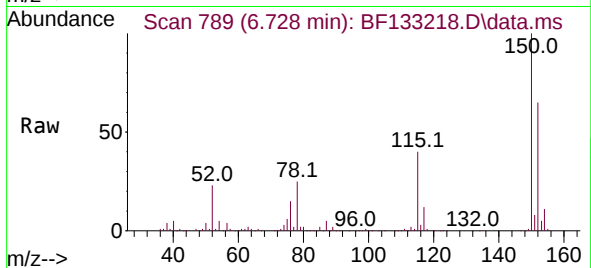
Quant Time: May 04 01:41:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:31:52 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

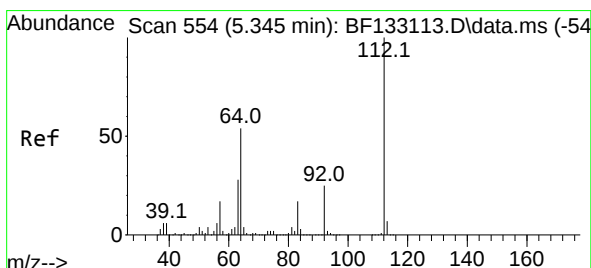
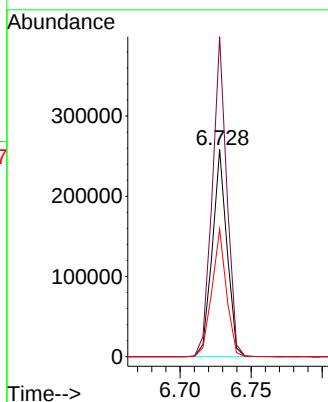
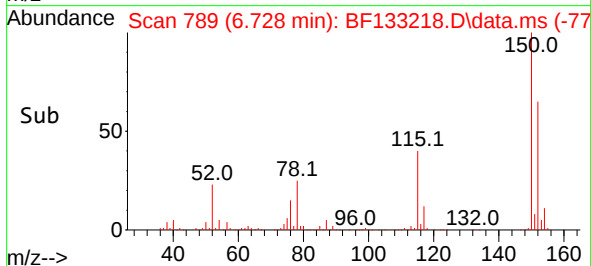
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:152 Resp: 18630
Ion Ratio Lower Upper
152 100
150 154.4 124.8 187.2
115 61.6 49.9 74.9

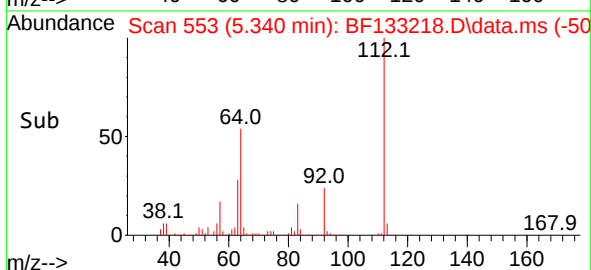
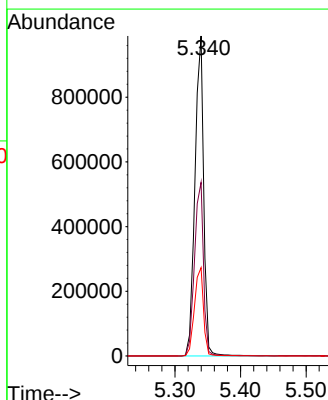
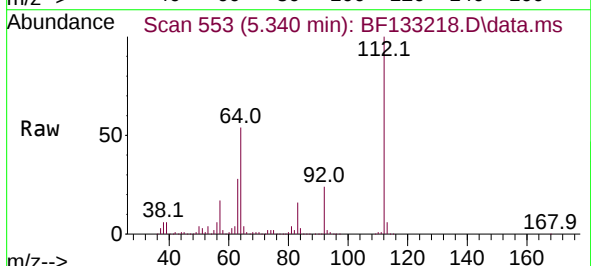
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#5
2-Fluorophenol
Concen: 74.473 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

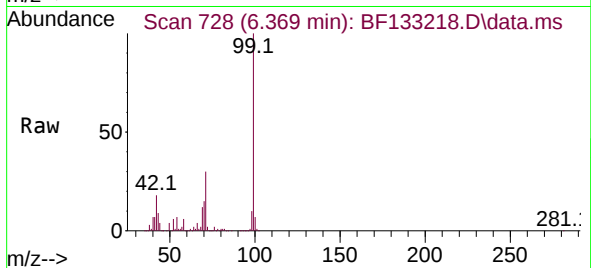
Tgt Ion:112 Resp: 918481
Ion Ratio Lower Upper
112 100
64 54.3 46.8 70.2
63 27.6 23.8 35.8





#7
Phenol-d6
Concen: 74.962 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

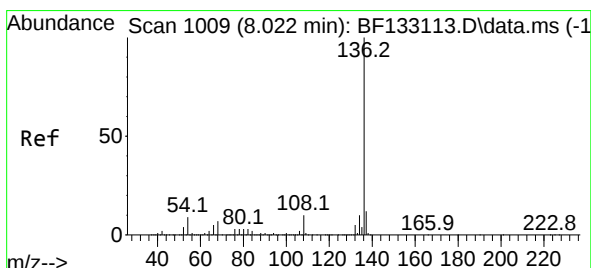
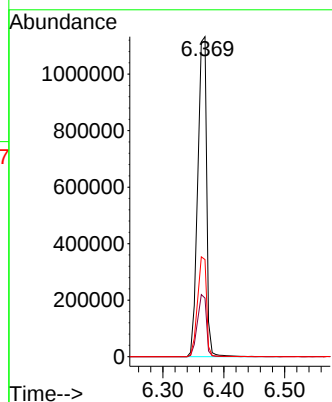
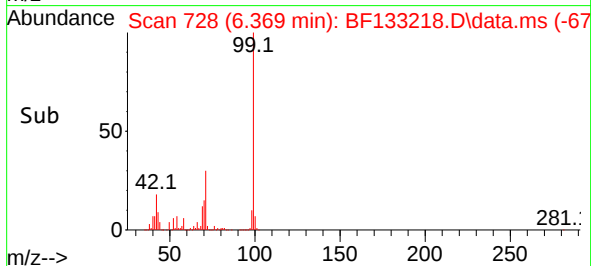
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion: 99 Resp: 114751
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 30.4 25.6 38.4

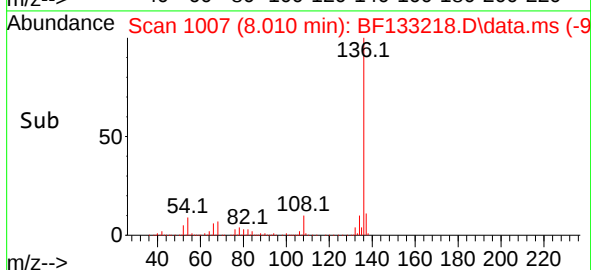
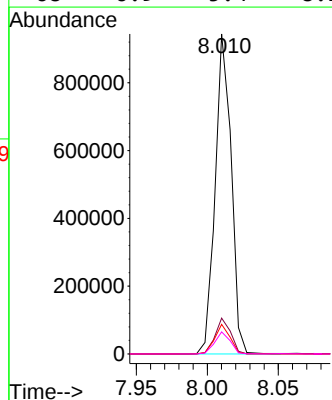
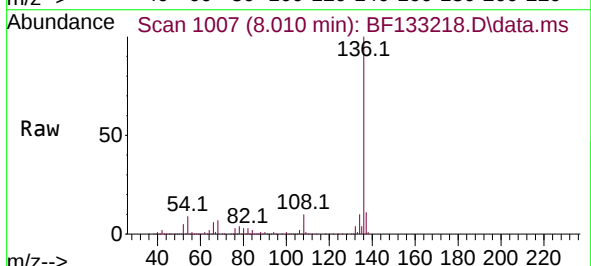
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:136 Resp: 738315
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.3 7.0 10.4
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 54.238 ng

RT: 7.293 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF133218.D

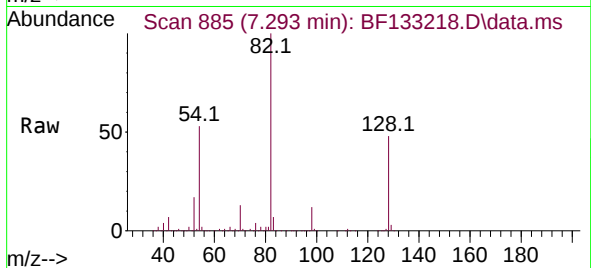
Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

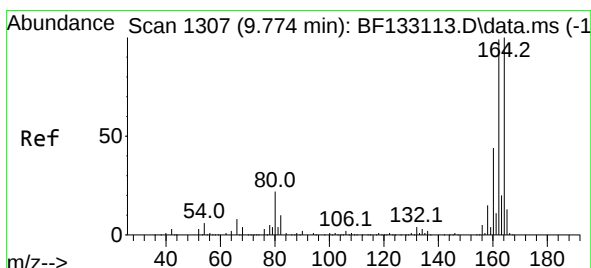
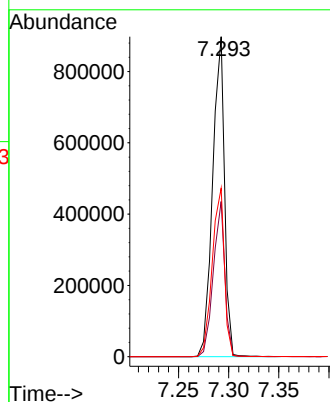
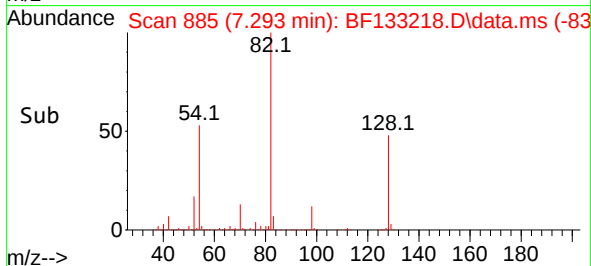


Tgt Ion: 82 Resp: 74189

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.7	56.5
54	52.6	43.0	64.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1305

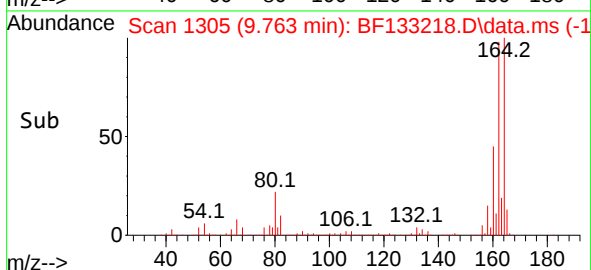
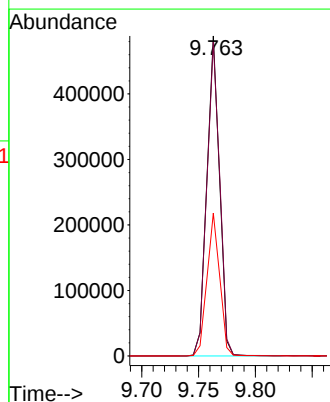
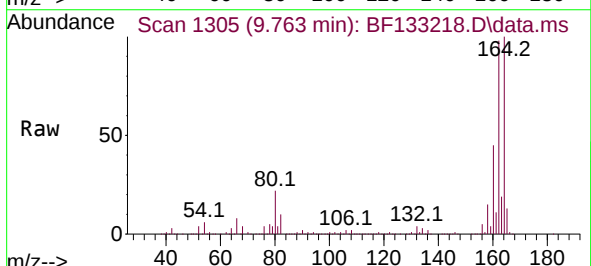
Delta R.T. -0.006 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Tgt Ion:164 Resp: 377873

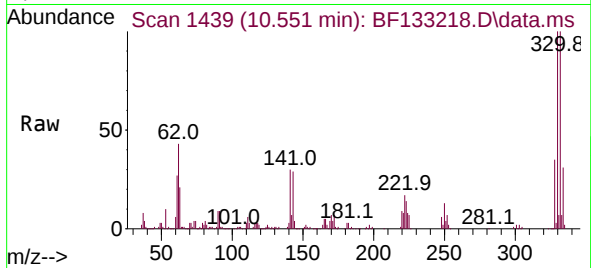
Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	44.6	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 32.663 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

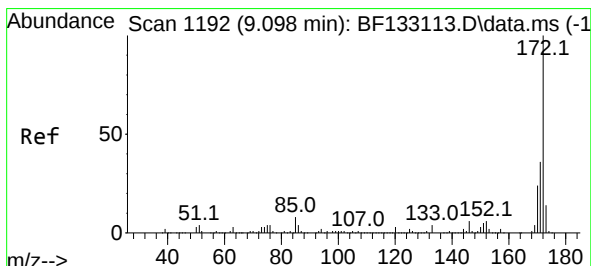
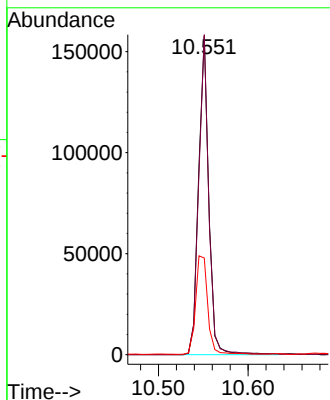
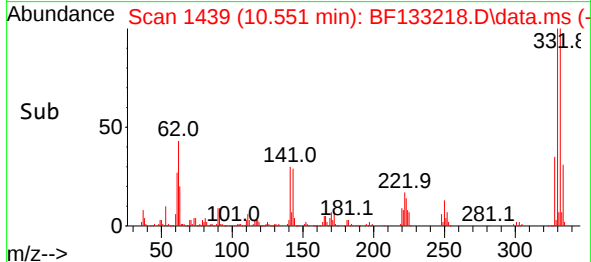
Instrument :
BNA_F
ClientSampleId :
VNJ-240



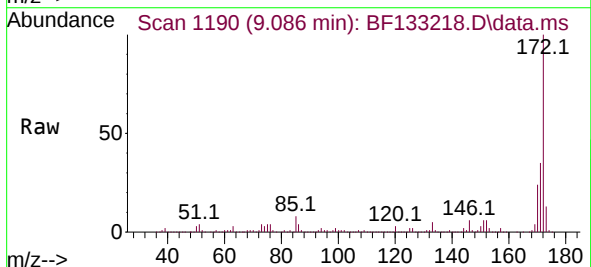
Tgt Ion: 330 Resp: 124120
Ion Ratio Lower Upper
330 100
332 98.5 77.1 115.7
141 36.4 25.8 38.8

Manual Integrations
APPROVED

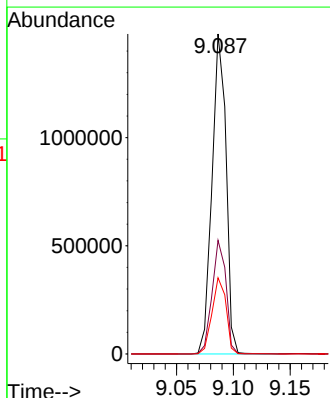
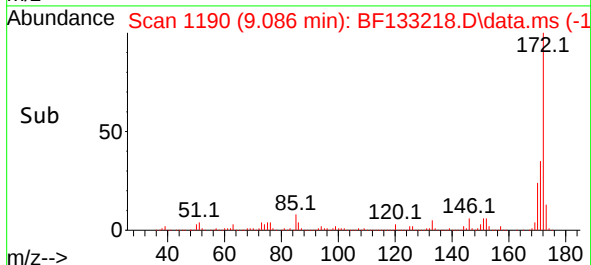
Reviewed By : Christian Giraldo 05/04/2023
Supervised By : Jagrut Upadhyay 05/04/2023

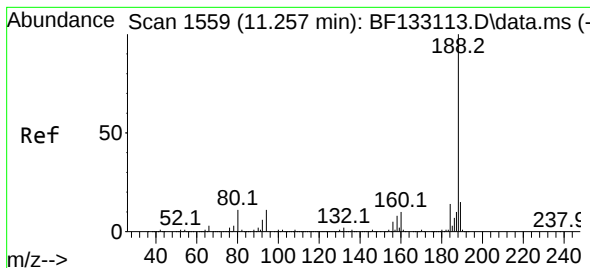


#45
2-Fluorobiphenyl
Concen: 56.274 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52



Tgt Ion: 172 Resp: 1271037
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1559

Delta R.T. -0.006 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:188 Resp: 60420

Ion Ratio Lower Upper

188 100

94 10.9 9.7 14.5

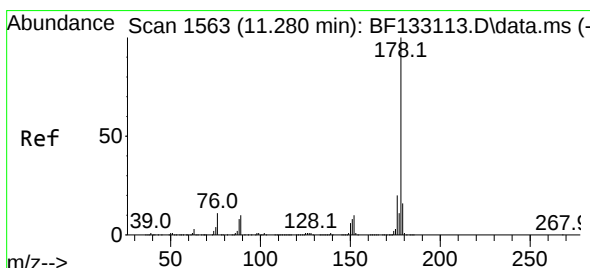
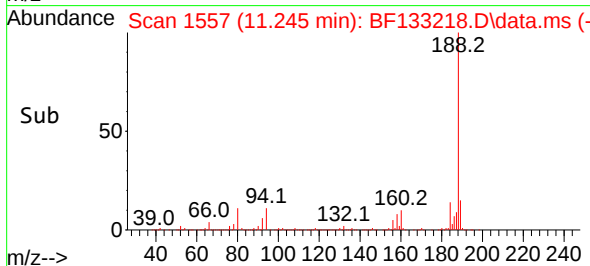
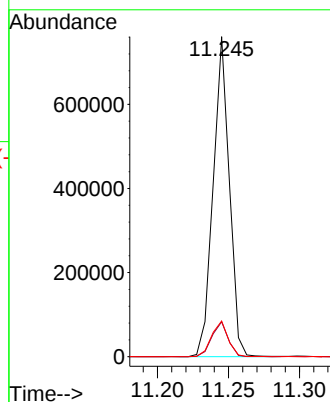
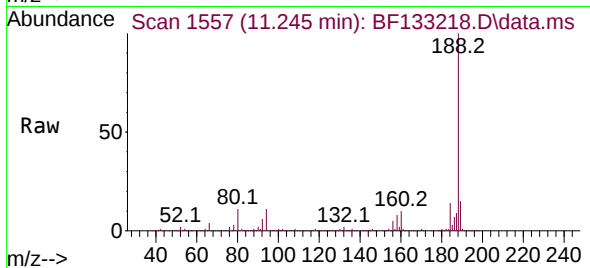
80 11.2 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#71

Phenanthrene

Concen: 9.756 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

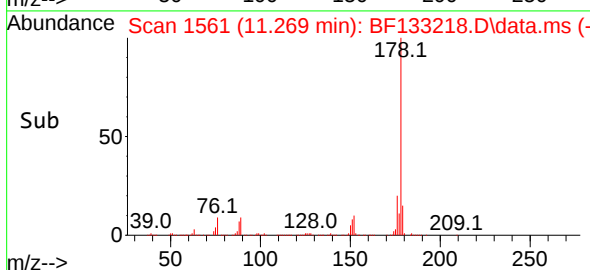
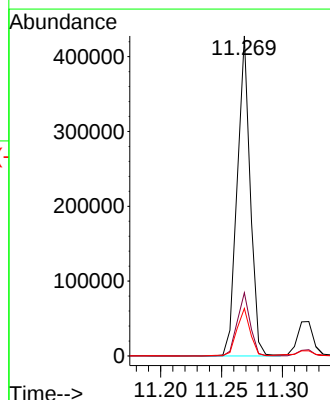
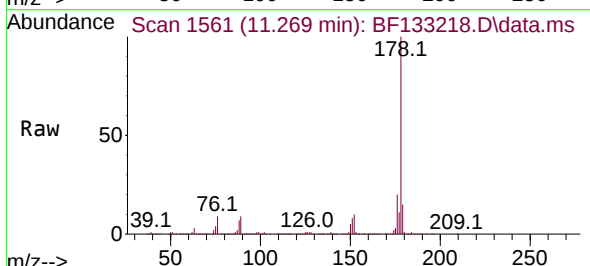
Tgt Ion:178 Resp: 316814

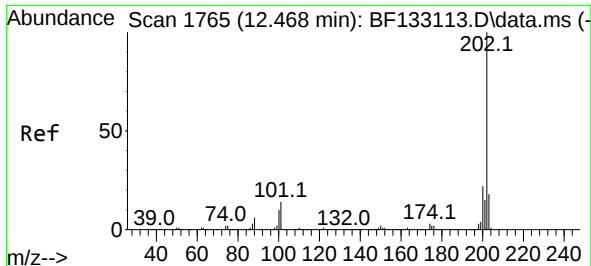
Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

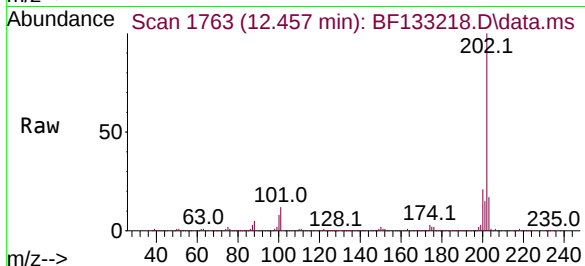
179 14.8 12.5 18.7





#75
Fluoranthene
Concen: 13.092 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

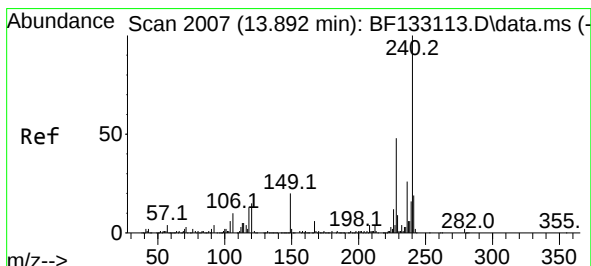
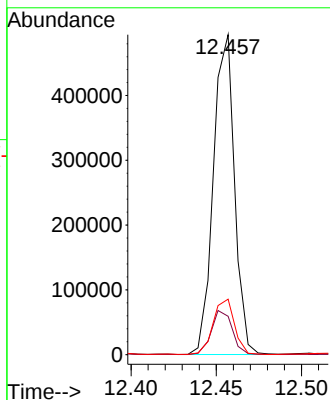
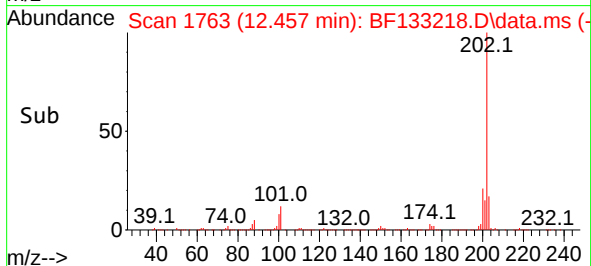
Instrument :
BNA_F
ClientSampleId :
VNJ-240



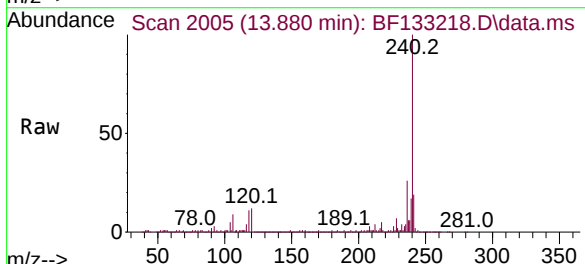
Tgt Ion:202 Resp: 42667
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 17.3 0.0 38.1

Manual Integrations
APPROVED

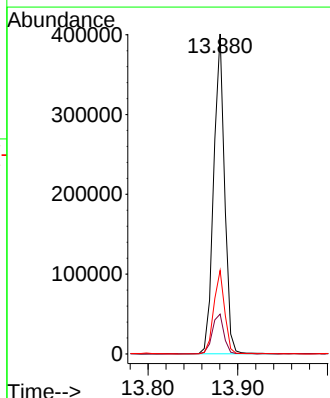
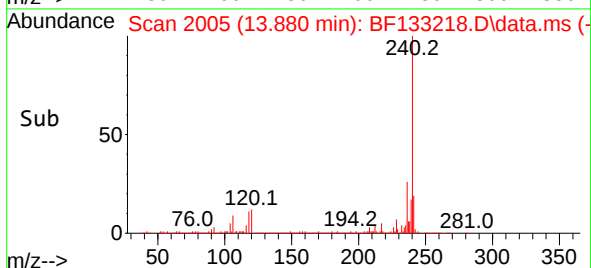
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

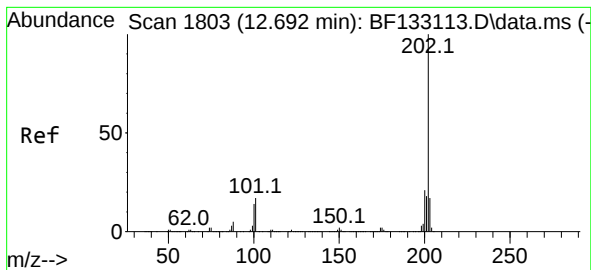


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52



Tgt Ion:240 Resp: 336931
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 26.1 21.5 32.3





#78

Pyrene

Concen: 13.029 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:202 Resp: 376300

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

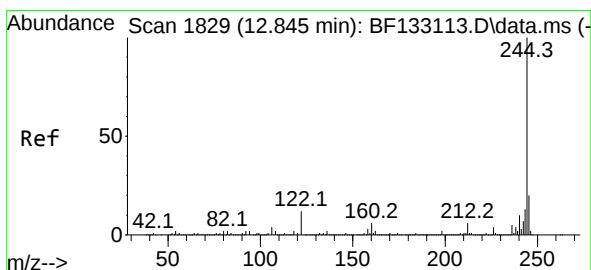
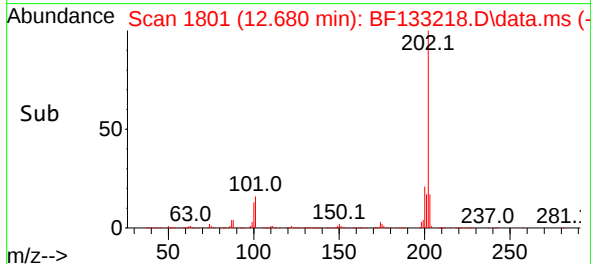
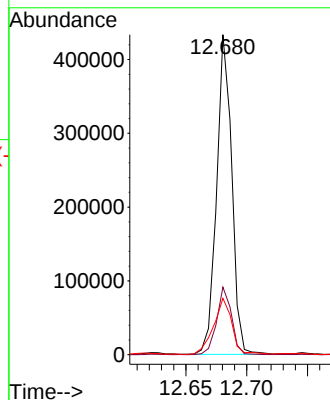
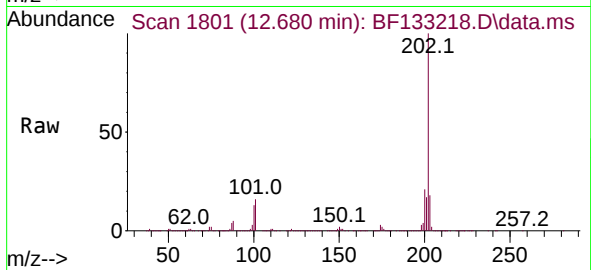
203 17.6 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#79

Terphenyl-d14

Concen: 49.096 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

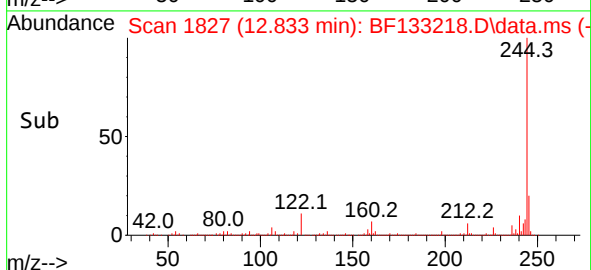
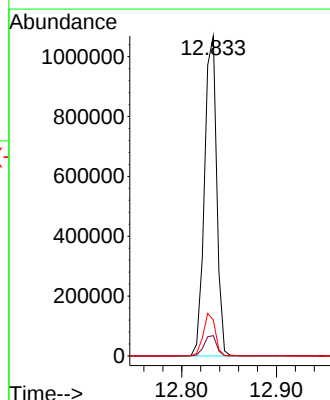
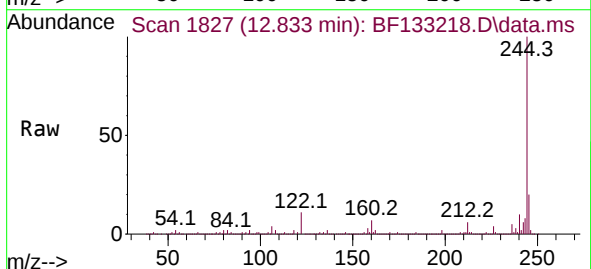
Tgt Ion:244 Resp: 959143

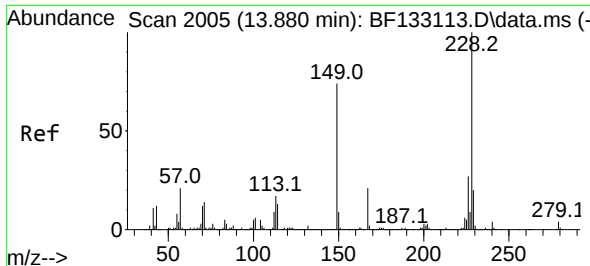
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

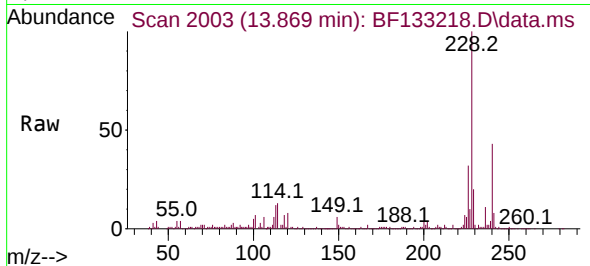
122 11.3 8.6 13.0





#81
Benzo(a)anthracene
Concen: 6.510 ng
RT: 13.869 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

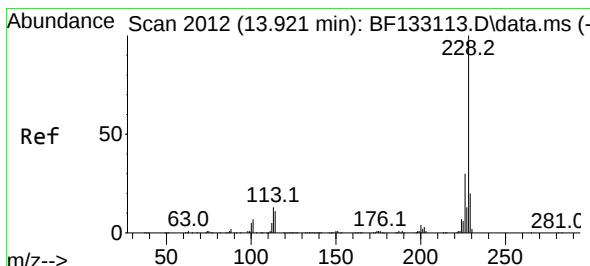
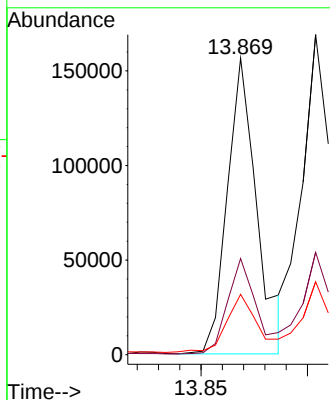
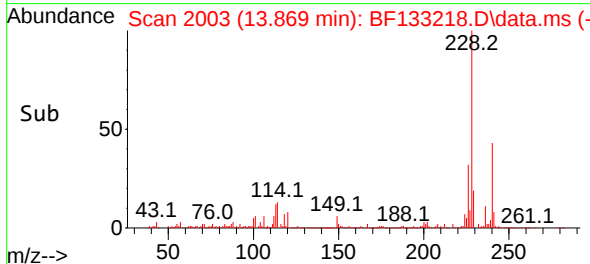
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:228 Resp: 150829
Ion Ratio Lower Upper
228 100
226 32.4 22.2 33.4
229 20.4 16.0 24.0

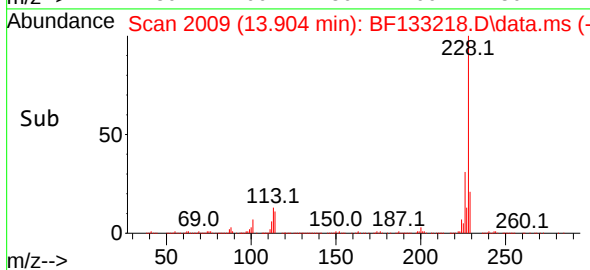
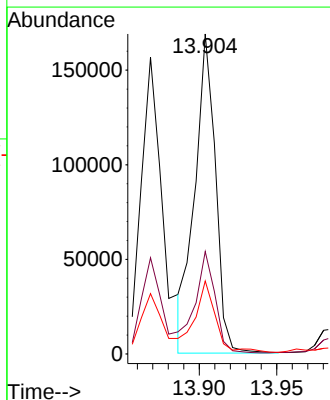
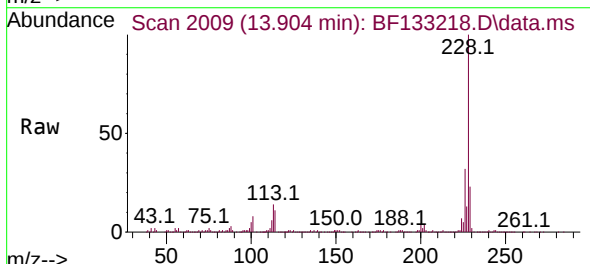
Manual Integrations
APPROVED

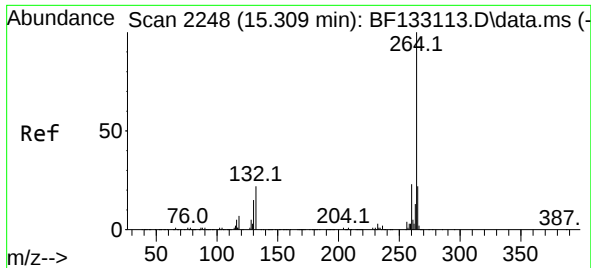
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#83
Chrysene
Concen: 6.761 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

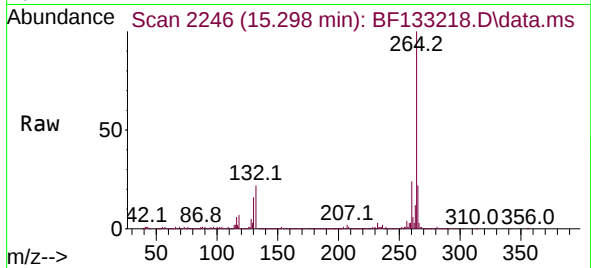
Tgt Ion:228 Resp: 156619
Ion Ratio Lower Upper
228 100
226 32.0 24.7 37.1
229 22.8 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

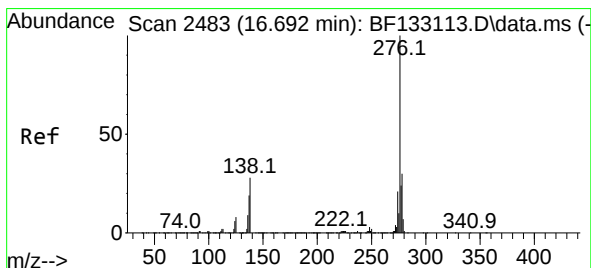
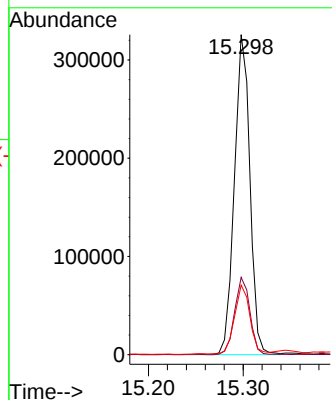
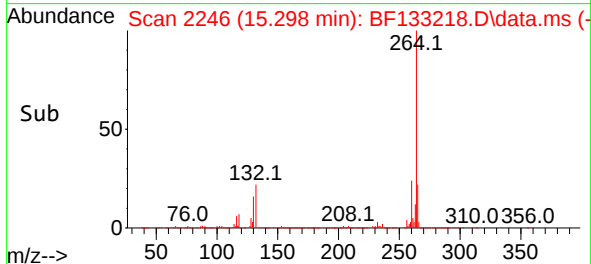
Instrument :
BNA_F
ClientSampleId :
VNJ-240



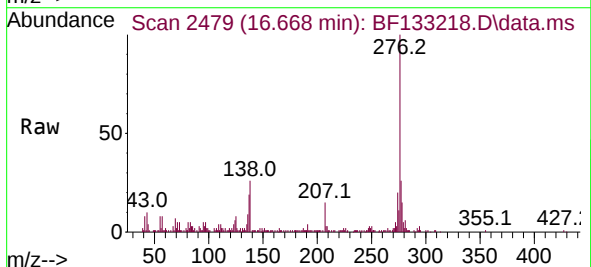
Tgt Ion:264 Resp: 36961
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 21.8 17.0 25.4

Manual Integrations
APPROVED

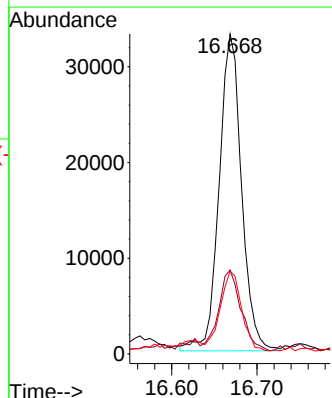
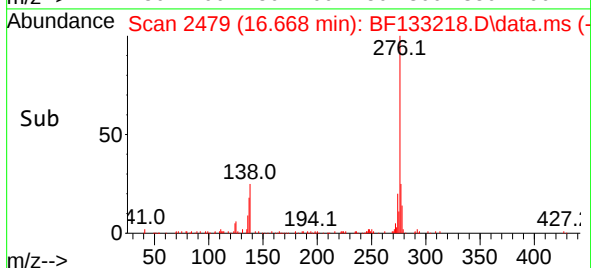
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

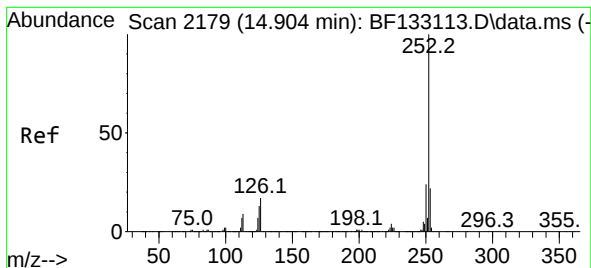


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.886 ng
RT: 16.668 min Scan# 2479
Delta R.T. -0.024 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52



Tgt Ion:276 Resp: 60681
Ion Ratio Lower Upper
276 100
138 26.0 25.5 38.3
277 23.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.205 ng m

RT: 14.892 min Scan# 2177

Delta R.T. -0.012 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:252 Resp: 192940

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

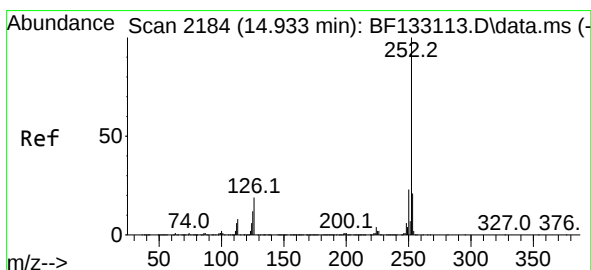
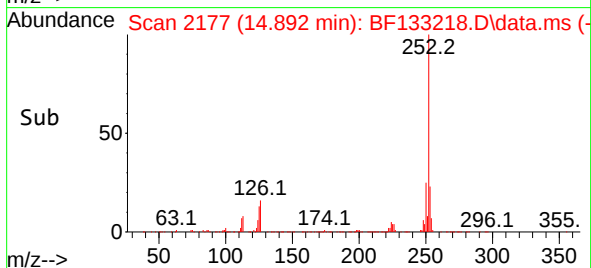
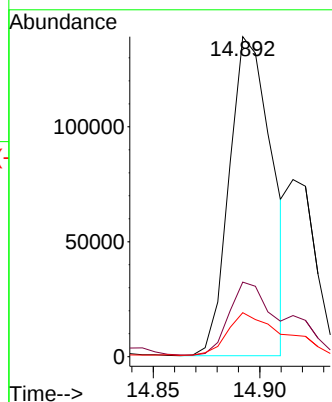
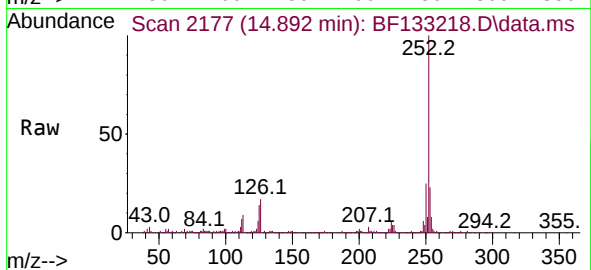
125 13.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#89

Benzo(k)fluoranthene

Concen: 2.963 ng m

RT: 14.916 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

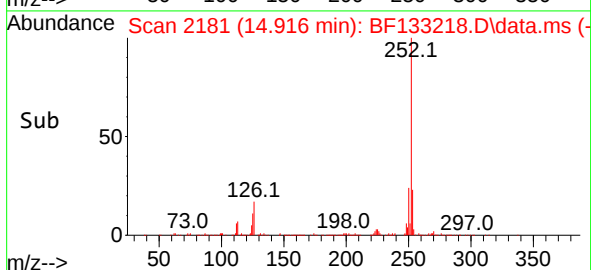
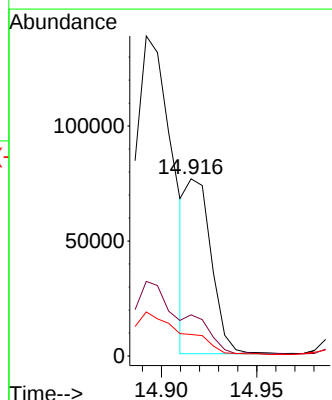
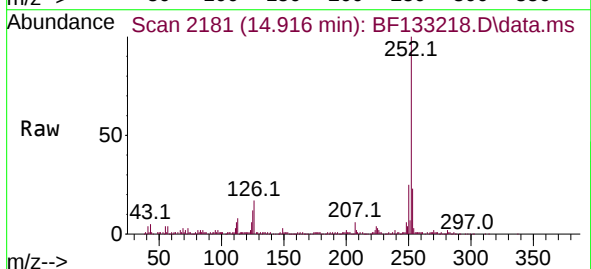
Tgt Ion:252 Resp: 69069

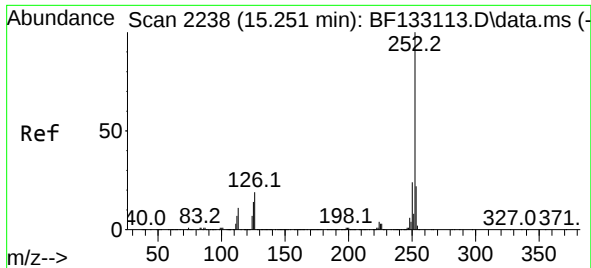
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

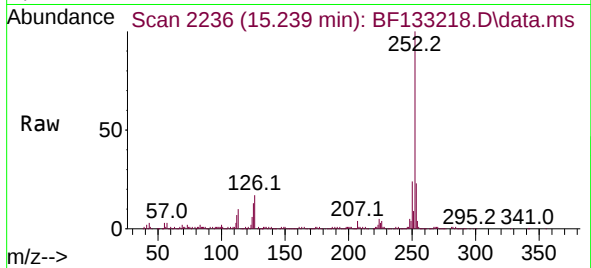
125 12.1 9.0 13.4





#90
Benzo(a)pyrene
Concen: 6.108 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

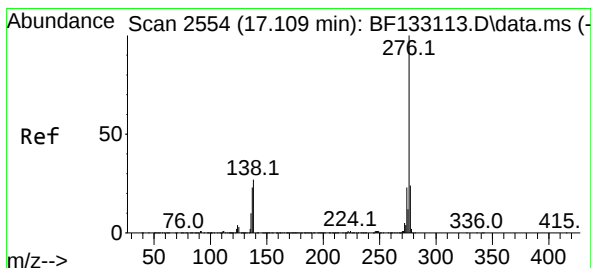
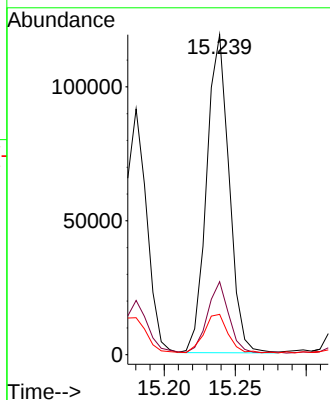
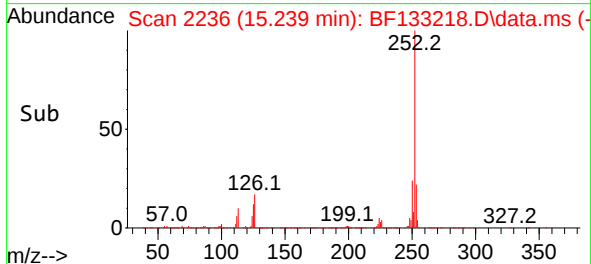
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:252 Resp: 130724
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.6 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#92
Benzo(g,h,i)perylene
Concen: 3.207 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.024 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:276 Resp: 55524
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.0
138 26.7 22.7 34.1

