

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133083.D
 Acq On : 27 Apr 2023 00:35
 Operator : CG\JU
 Sample : 02490-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2023
 Supervised By : Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 04:03:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	167753	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	677341	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	340074	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	565374	20.000	ng	0.00
76) Chrysene-d12	13.886	240	337229	20.000	ng	0.00
86) Perylene-d12	15.304	264	342948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	949153	85.471	ng	0.00
7) Phenol-d6	6.369	99	1161343	84.255	ng	-0.01
23) Nitrobenzene-d5	7.298	82	676264	53.891	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	271583	79.408	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1135185	55.846	ng	0.00
79) Terphenyl-d14	12.839	244	1001205	51.204	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.274	178	280518	9.231	ng	97
75) Fluoranthene	12.463	202	698255	22.896	ng	96
78) Pyrene	12.686	202	667517	23.091	ng	100
81) Benzo(a)anthracene	13.874	228	323162	13.935	ng	98
83) Chrysene	13.910	228	354133m	15.275	ng	
87) Indeno(1,2,3-cd)pyrene	16.674	276	169461	8.687	ng	94
88) Benzo(b)fluoranthene	14.898	252	421093m	19.300	ng	
89) Benzo(k)fluoranthene	14.921	252	147257m	6.809	ng	
90) Benzo(a)pyrene	15.245	252	294190	14.814	ng	98
91) Dibenzo(a,h)anthracene	16.692	278	45900	2.821	ng	98
92) Benzo(g,h,i)perylene	17.086	276	153479	9.555	ng	98

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

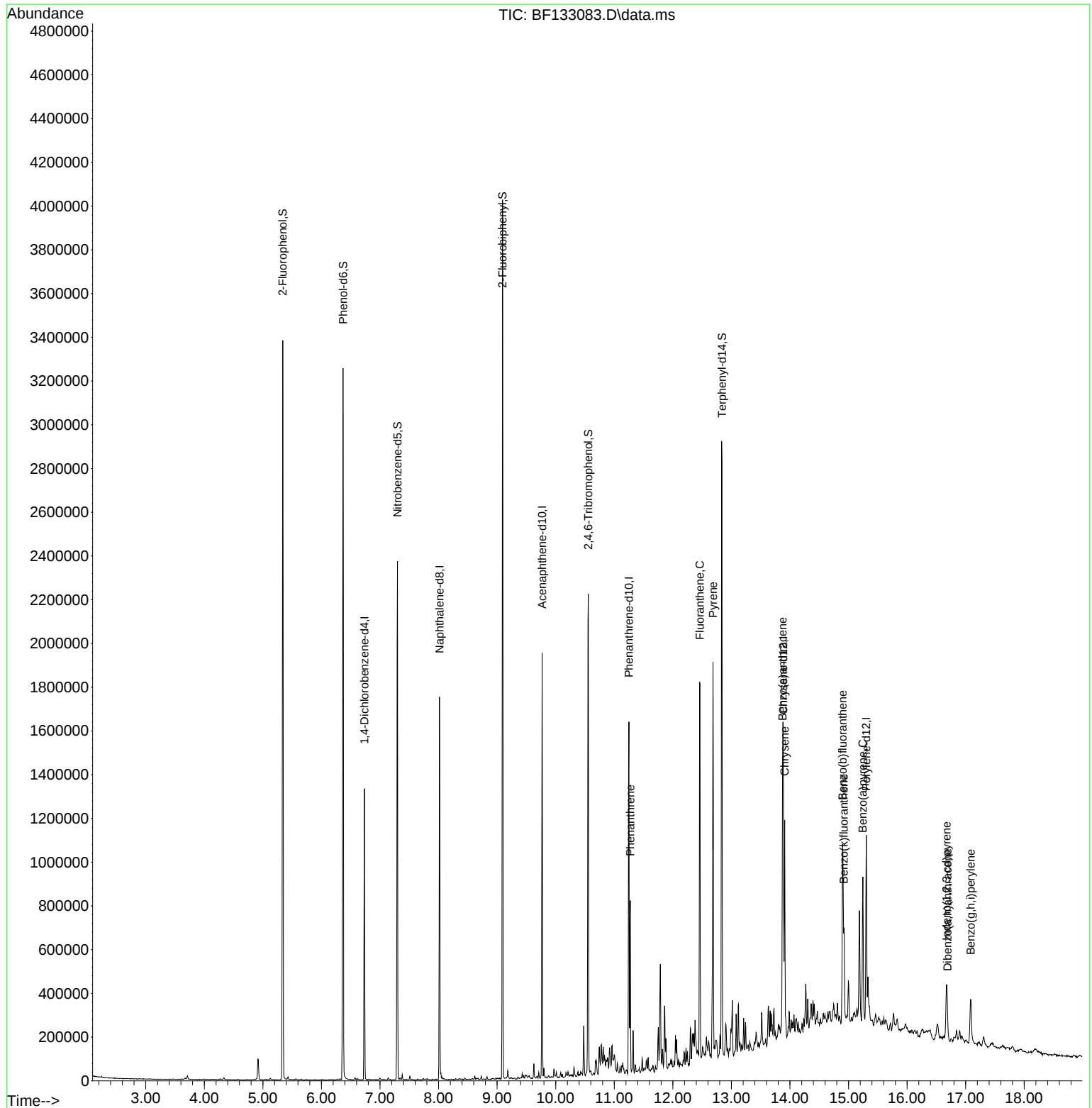
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133083.D
Acq On : 27 Apr 2023 00:35
Operator : CG\JU
Sample : 02490-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

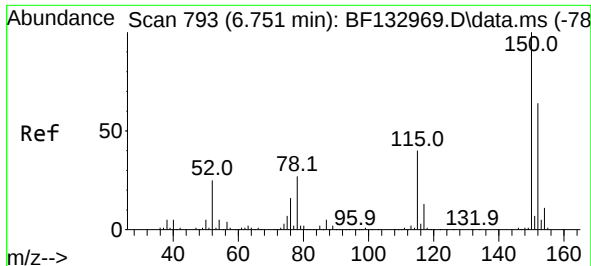
Instrument :
BNA_F
ClientSampleId :
VNJ-208

Quant Time: Apr 27 04:03:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

Manual Integrations
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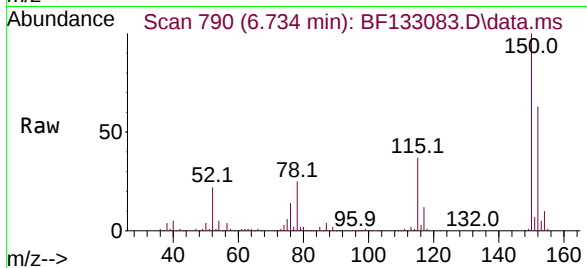
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

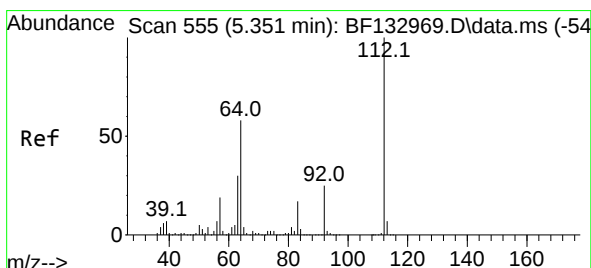
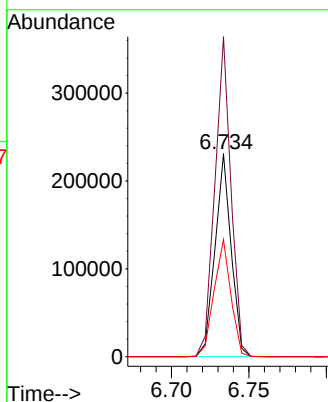
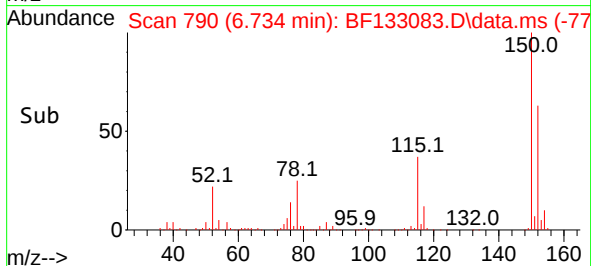
Instrument :
BNA_F
ClientSampleId :
VNJ-208



Tgt Ion:152 Resp: 16775
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 57.7 49.9 74.9

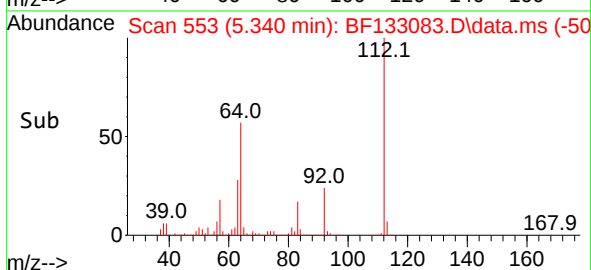
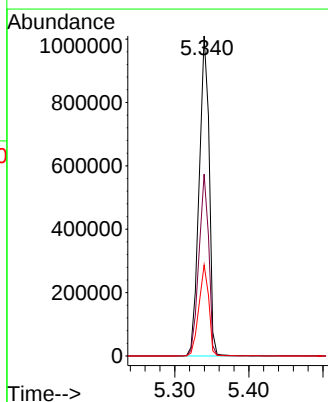
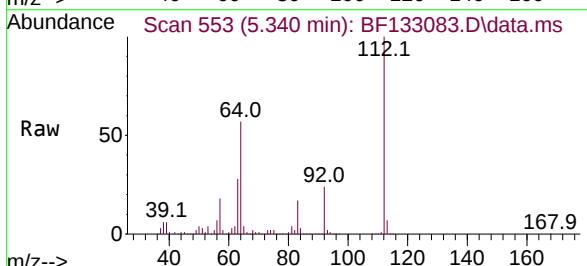
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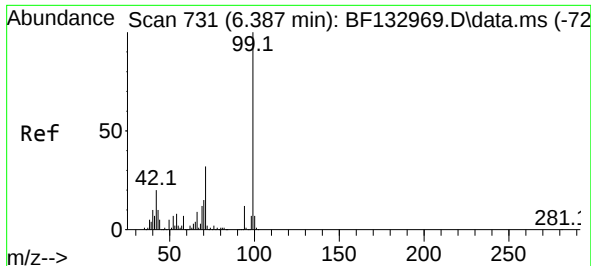
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#5
2-Fluorophenol
Concen: 85.471 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:112 Resp: 949153
Ion Ratio Lower Upper
112 100
64 56.8 46.8 70.2
63 28.5 23.8 35.8





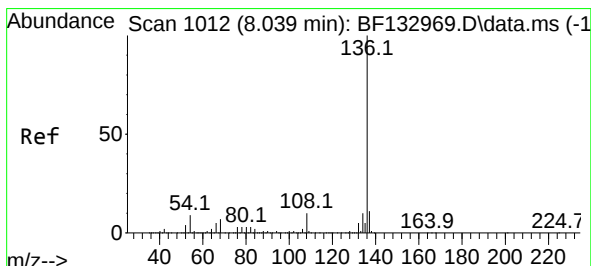
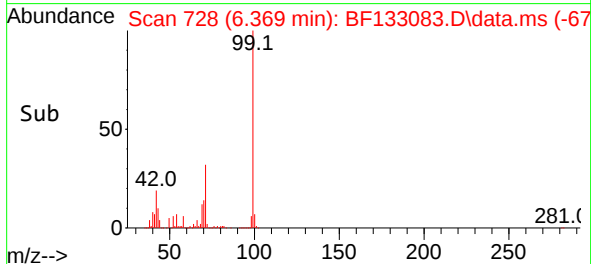
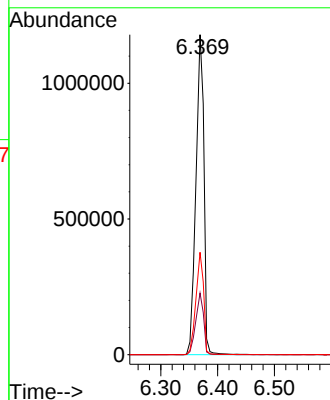
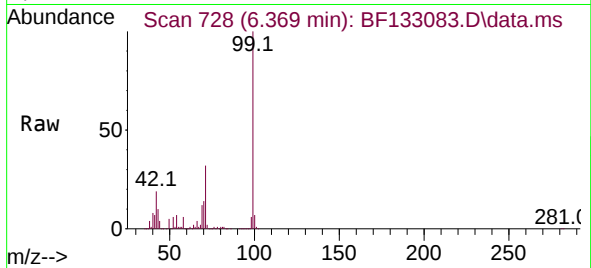
#7
Phenol-d6
Concen: 84.255 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion: 99 Resp: 116134
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 32.0 25.6 38.4

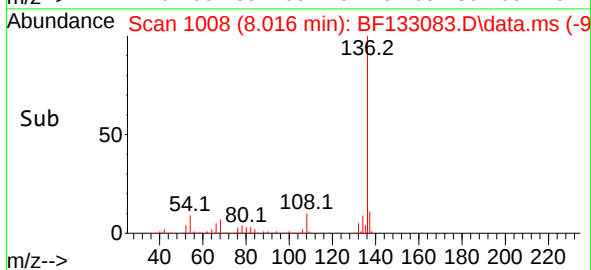
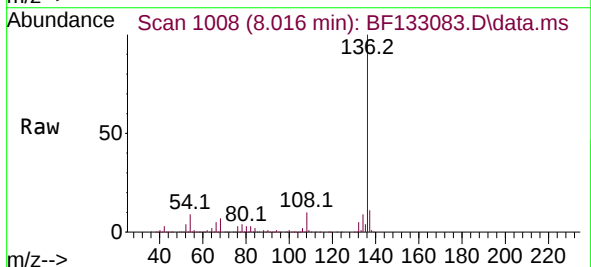
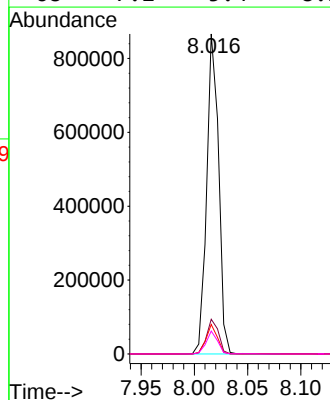
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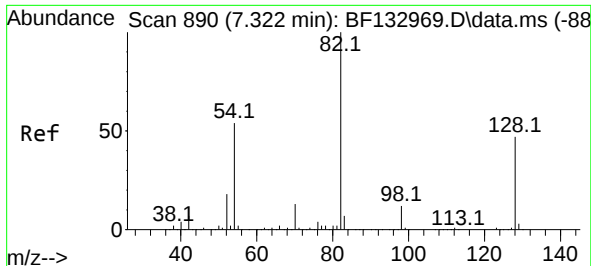
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:136 Resp: 677341
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.0 10.4
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 53.891 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

Tgt Ion: 82 Resp: 676264

Ion Ratio Lower Upper

82 100

128 49.2 37.7 56.5

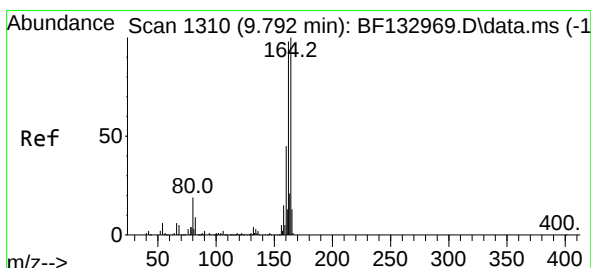
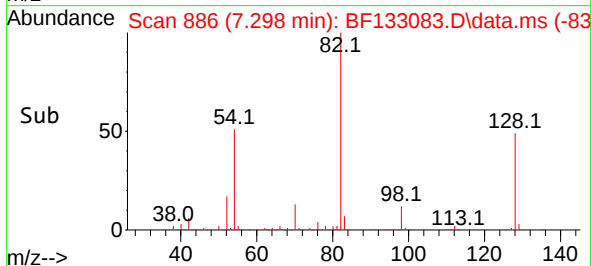
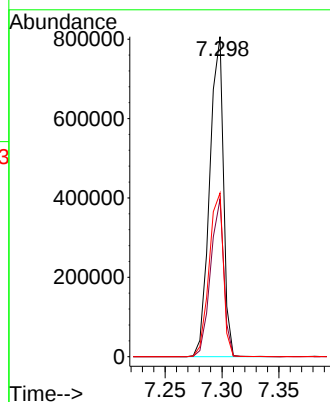
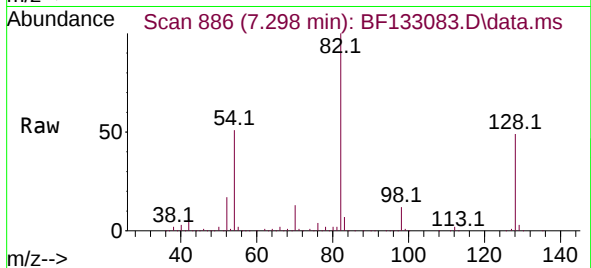
54 51.1 43.0 64.4

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Supervised By :Jagrut Upadhyay 04/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

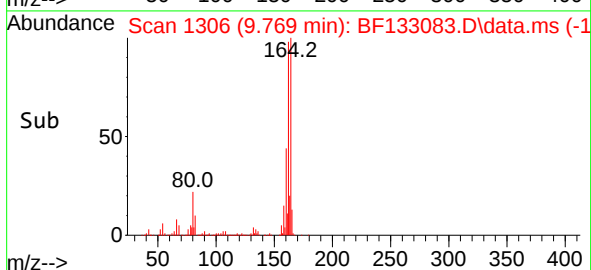
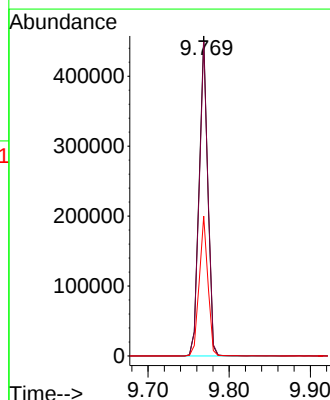
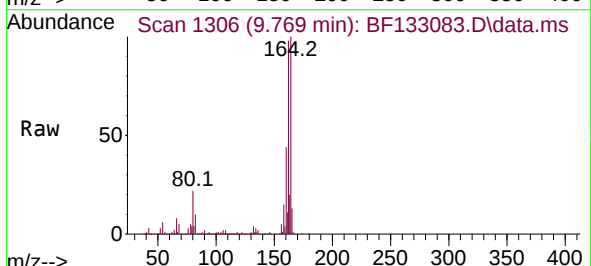
Tgt Ion:164 Resp: 340074

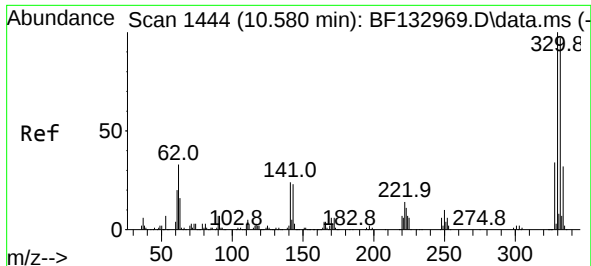
Ion Ratio Lower Upper

164 100

162 98.2 78.7 118.1

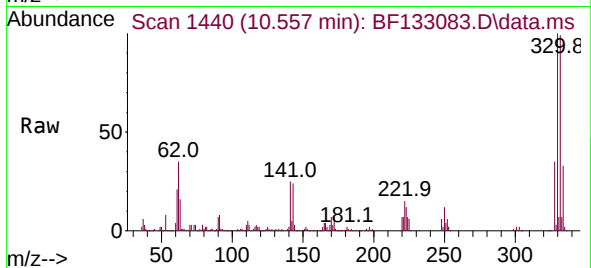
160 43.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 79.408 ng
RT: 10.557 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

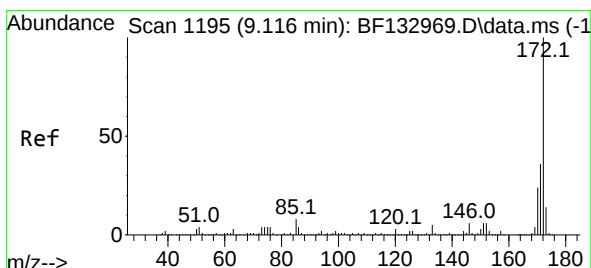
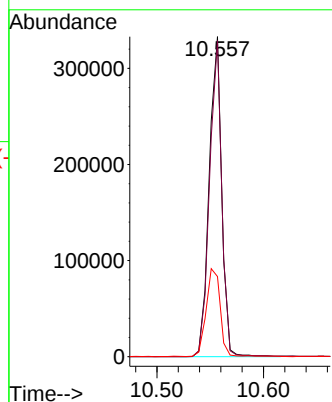
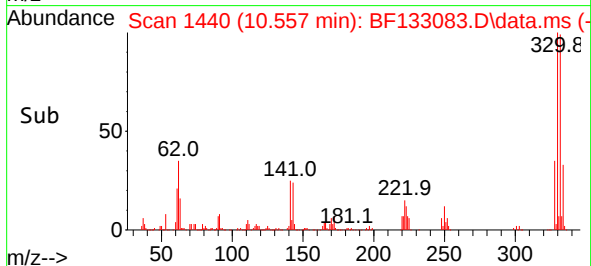
Instrument :
BNA_F
ClientSampleId :
VNJ-208



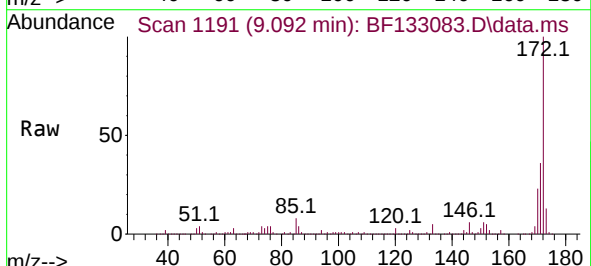
Tgt Ion:330 Resp: 27158
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 31.3 25.8 38.8

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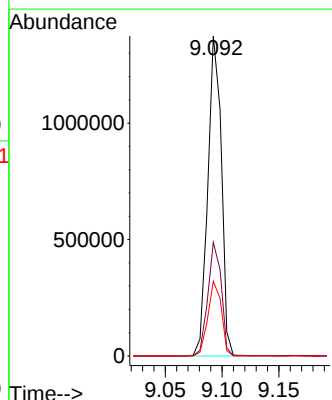
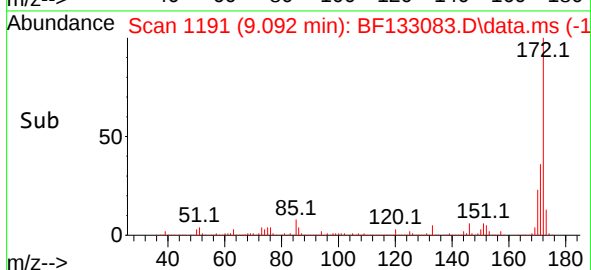
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

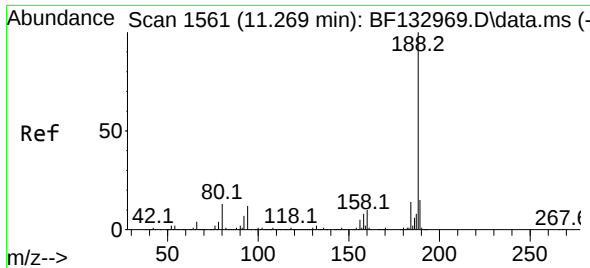


#45
2-Fluorobiphenyl
Concen: 55.846 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35



Tgt Ion:172 Resp: 1135185
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.3 19.4 29.2





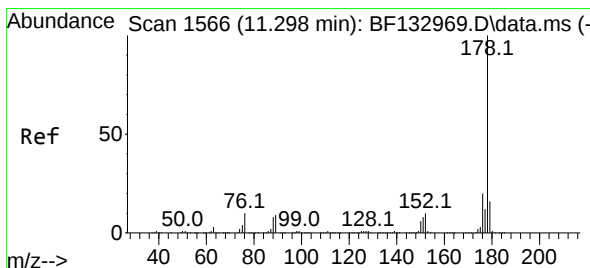
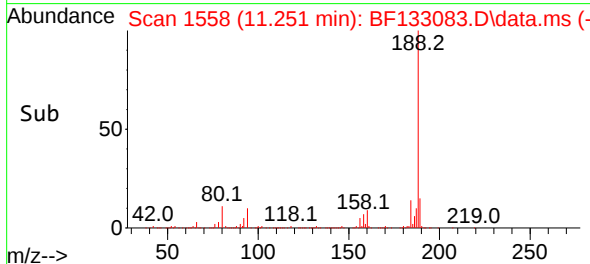
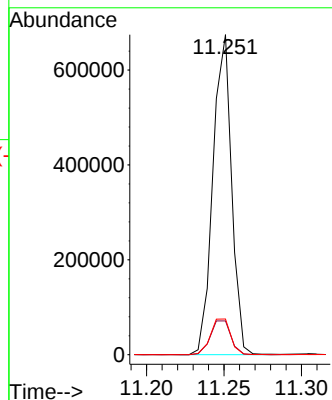
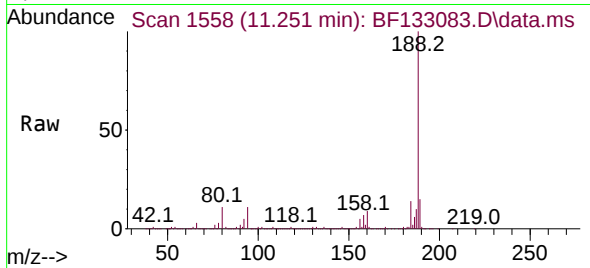
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:188 Resp: 565374
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 11.1 10.4 15.6

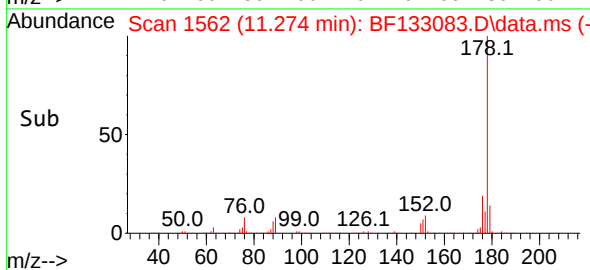
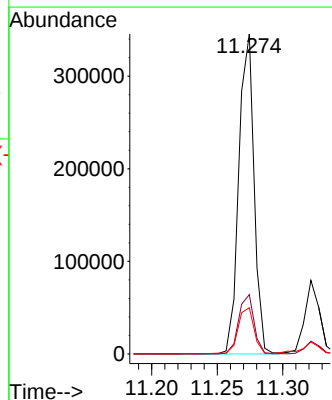
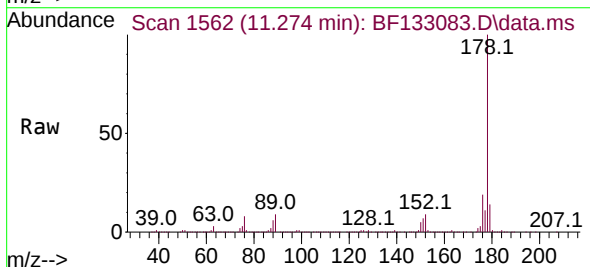
Manual Integrations
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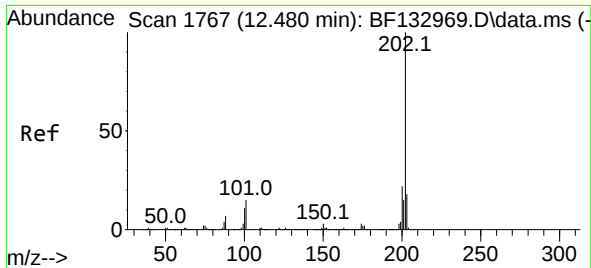
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#71
Phenanthrene
Concen: 9.231 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:178 Resp: 280518
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 14.5 12.5 18.7





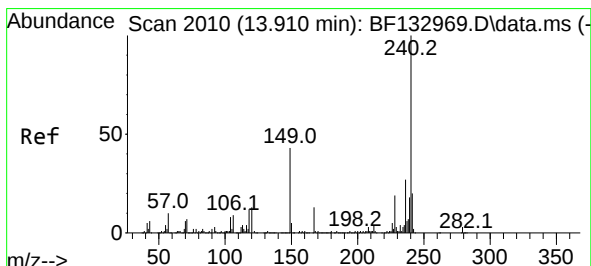
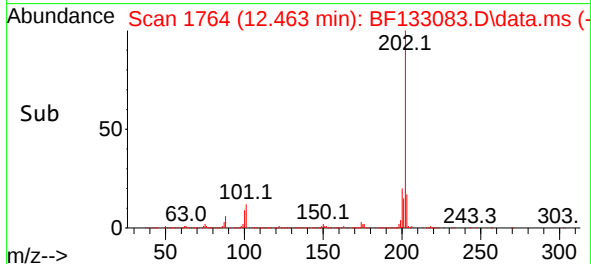
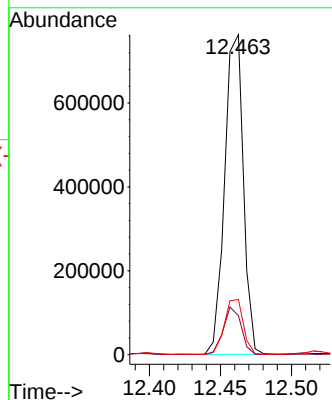
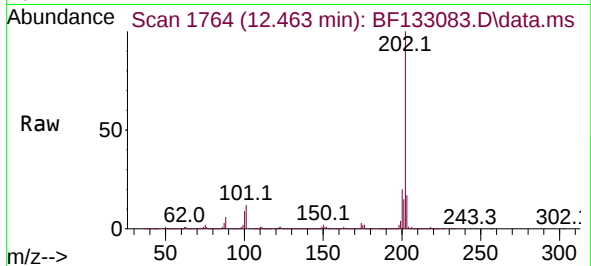
#75
Fluoranthene
Concen: 22.896 ng
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:202 Resp: 69825
Ion Ratio Lower Upper
202 100
101 12.2 0.0 35.3
203 17.3 0.0 38.1

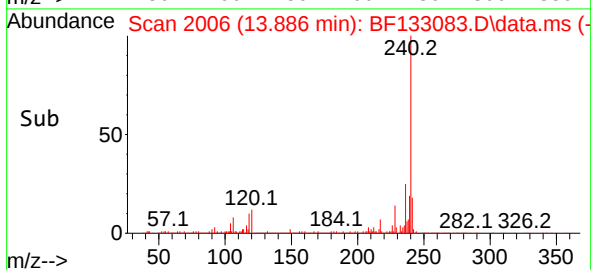
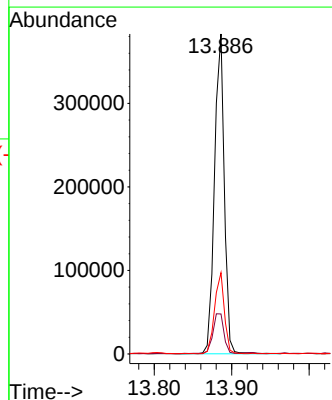
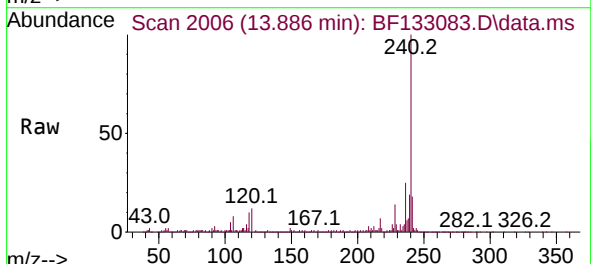
Manual Integrations
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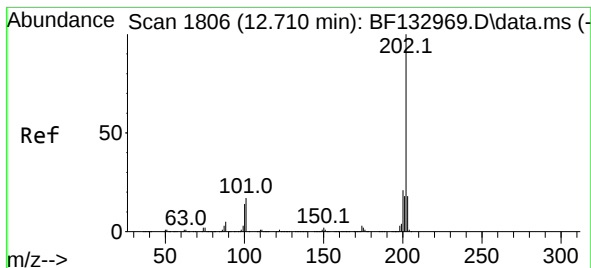
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:240 Resp: 337229
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 25.4 21.5 32.3





#78

Pyrene

Concen: 23.091 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

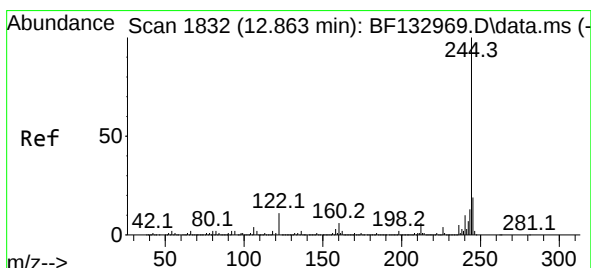
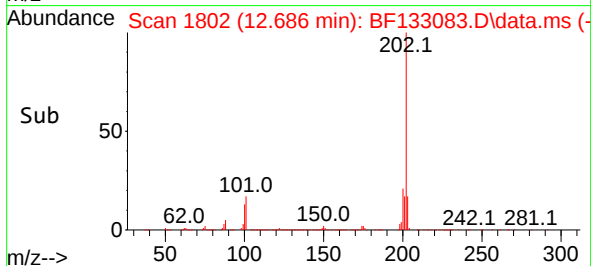
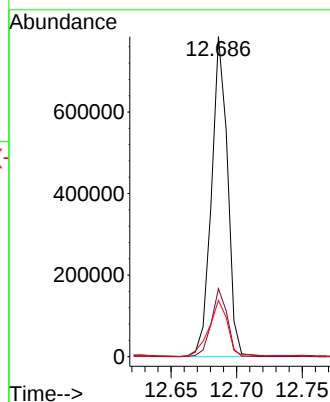
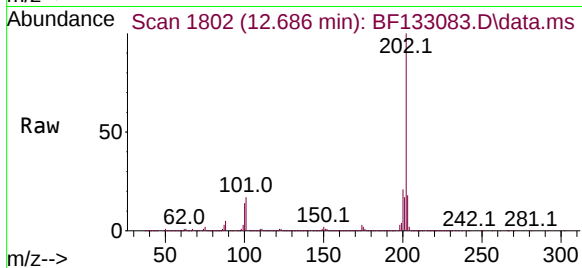
VNJ-208

Tgt Ion:202 Resp: 66751
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.1 25.7
 203 17.6 14.1 21.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023



#79

Terphenyl-d14

Concen: 51.204 ng

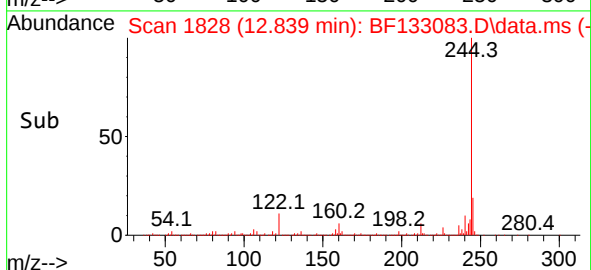
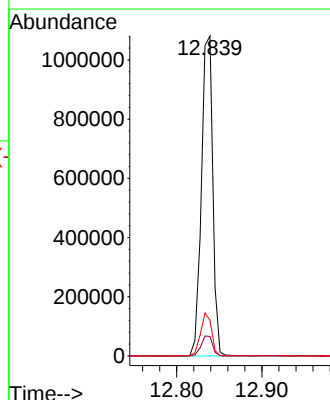
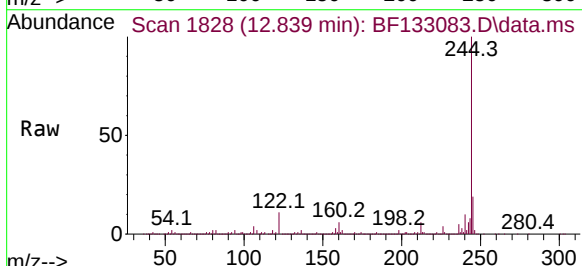
RT: 12.839 min Scan# 1828

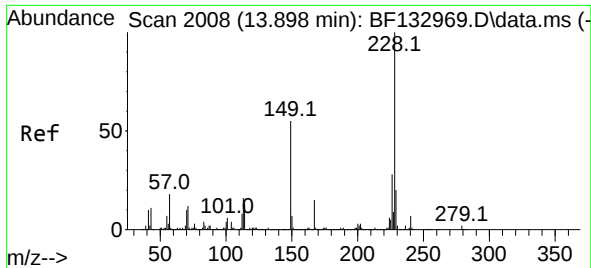
Delta R.T. 0.000 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

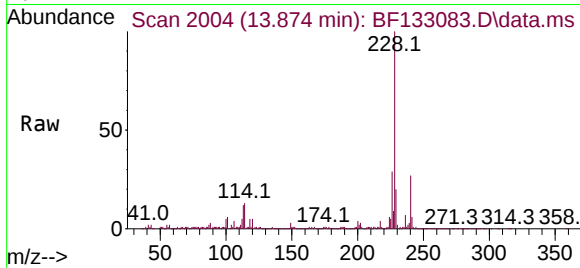
Tgt Ion:244 Resp: 1001205
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.1 7.7
 122 11.2 8.6 13.0





#81
Benzo(a)anthracene
Concen: 13.935 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

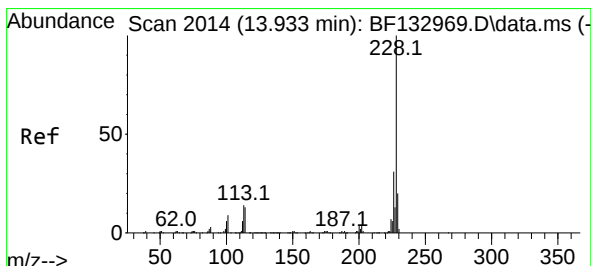
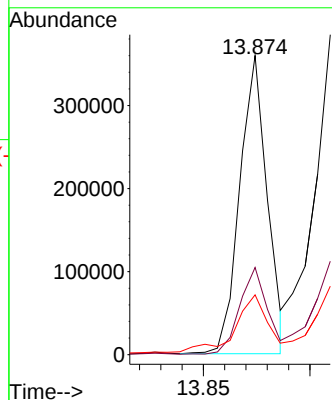
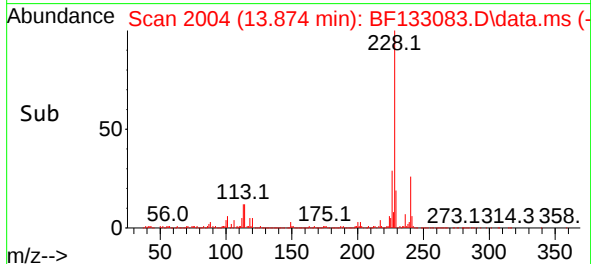
Instrument :
BNA_F
ClientSampleId :
VNJ-208



Tgt Ion:228 Resp: 323162
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 20.0 16.0 24.0

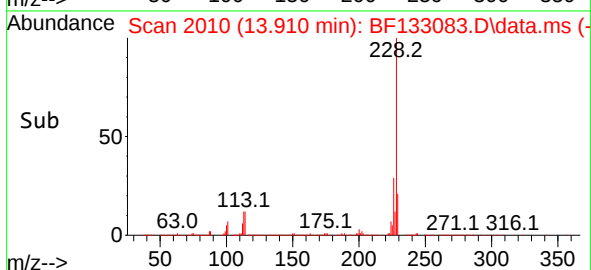
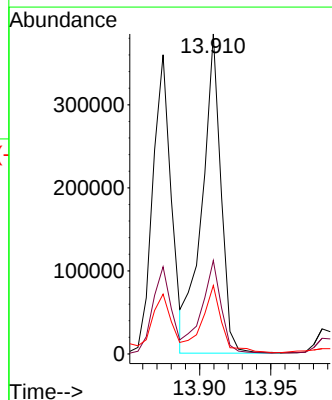
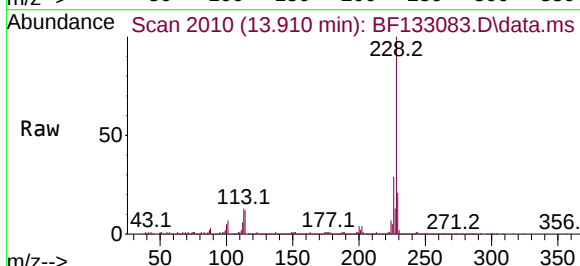
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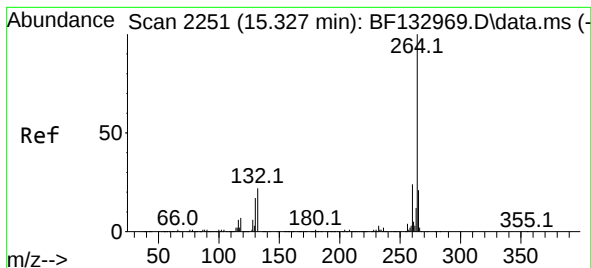
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#83
Chrysene
Concen: 15.275 ng m
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:228 Resp: 354133
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 21.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

Tgt Ion:264 Resp: 34294

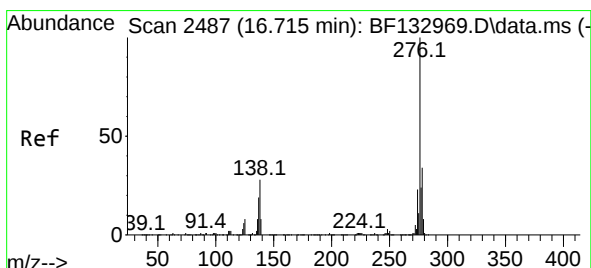
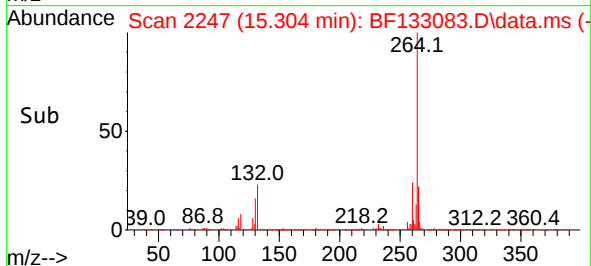
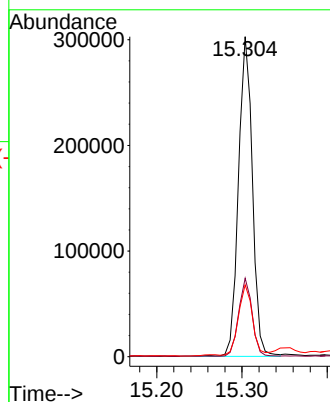
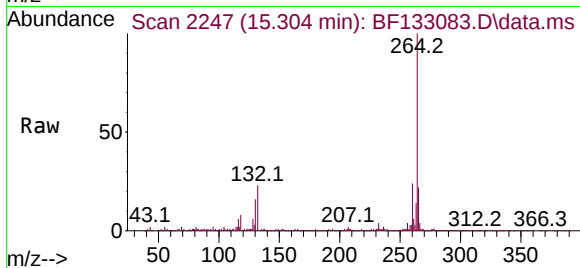
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.5	17.0	25.4

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.687 ng

RT: 16.674 min Scan# 2480

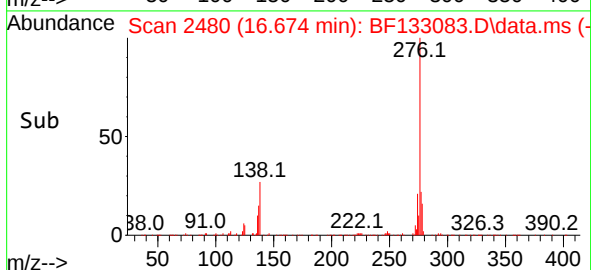
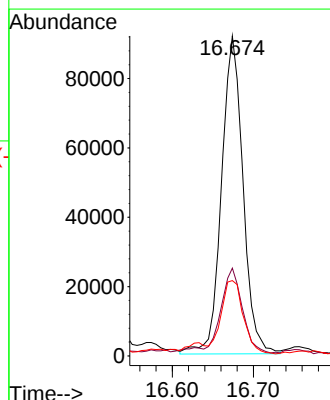
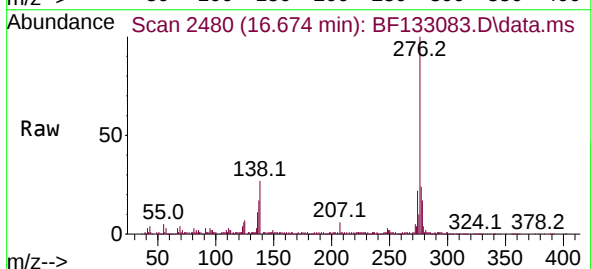
Delta R.T. -0.012 min

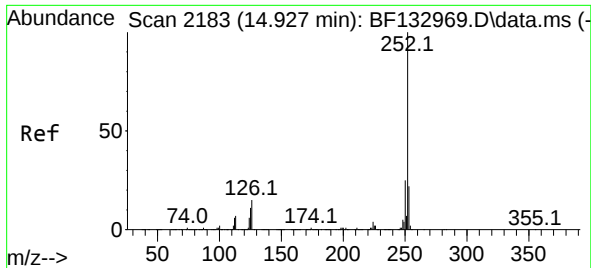
Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Tgt Ion:276 Resp: 169461

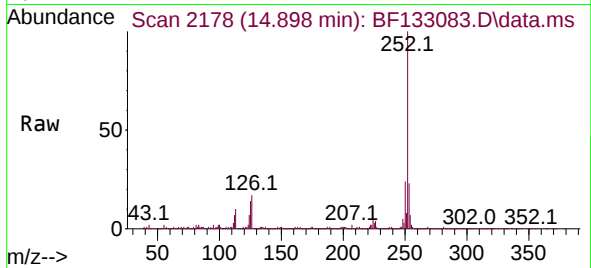
Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.5	38.3
277	23.6	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 19.300 ng m
RT: 14.898 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

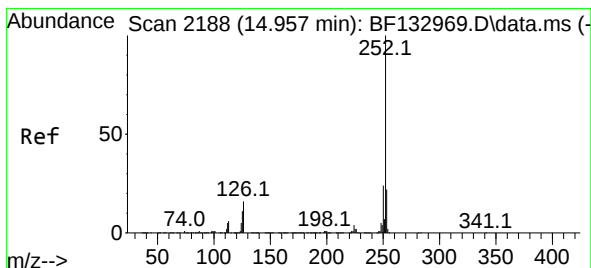
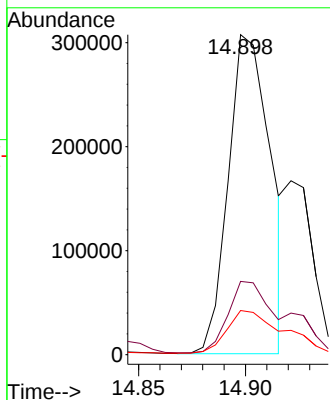
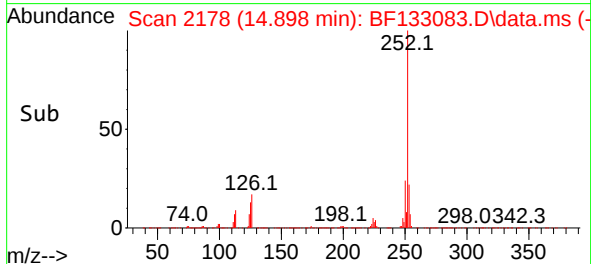
Instrument :
BNA_F
ClientSampleId :
VNJ-208



Tgt Ion:252 Resp: 42109
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.8 8.9 13.3

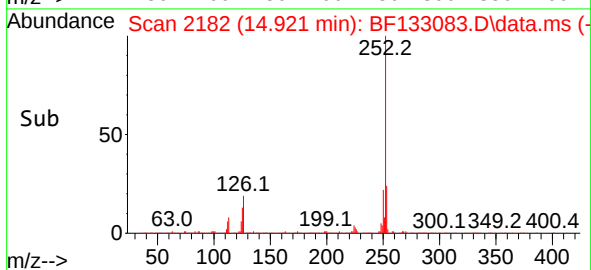
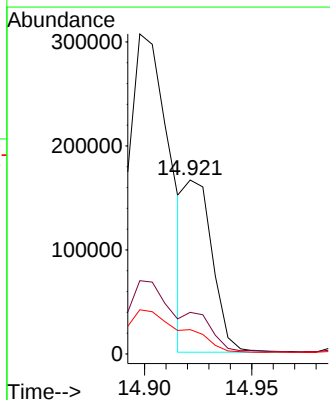
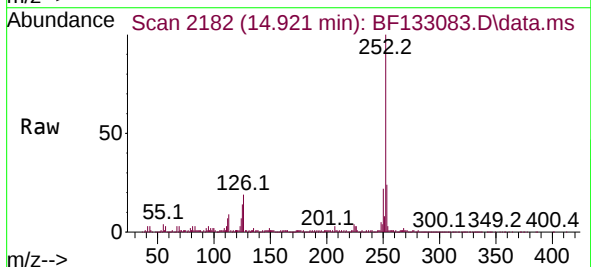
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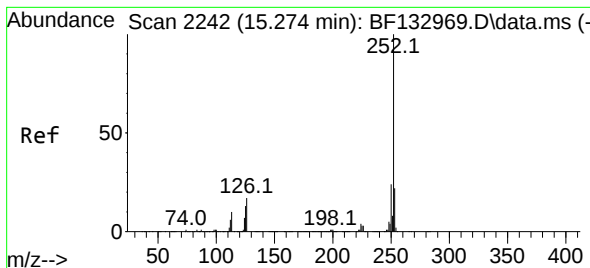
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#89
Benzo(k)fluoranthene
Concen: 6.809 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:252 Resp: 147257
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 14.0 9.0 13.4





#90

Benzo(a)pyrene

Concen: 14.814 ng

RT: 15.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

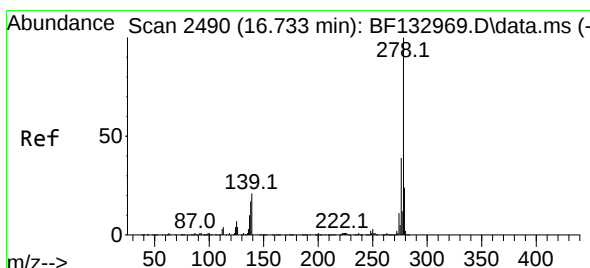
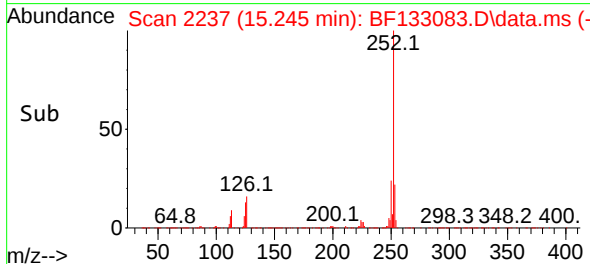
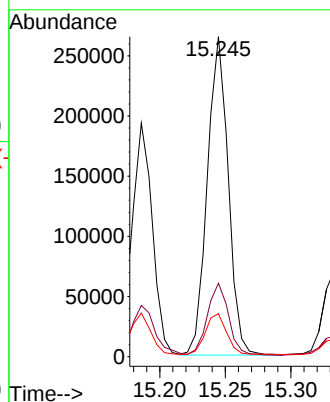
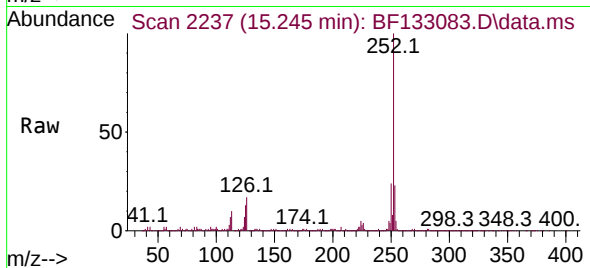
VNJ-208

Tgt Ion:252 Resp: 294190
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 13.4 10.5 15.7

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Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.821 ng

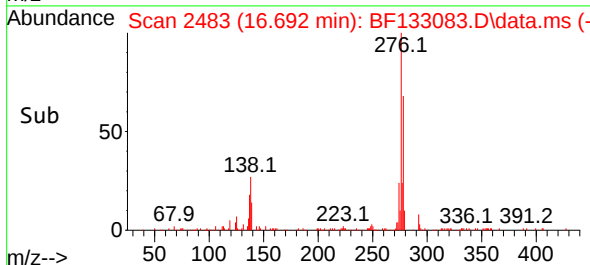
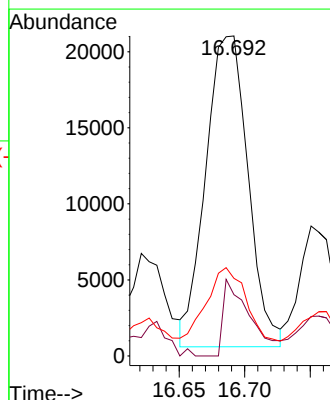
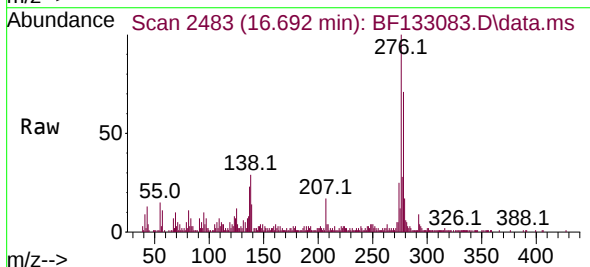
RT: 16.692 min Scan# 2483

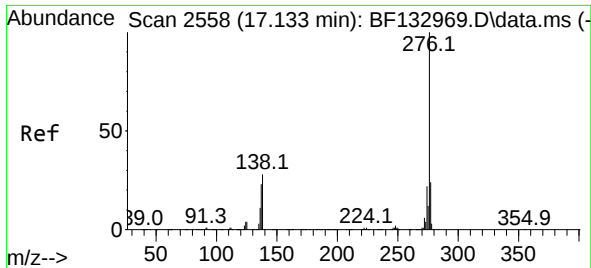
Delta R.T. -0.012 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

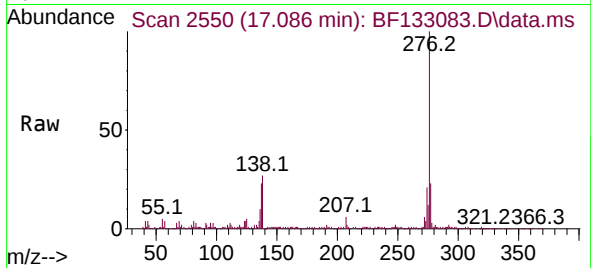
Tgt Ion:278 Resp: 45900
 Ion Ratio Lower Upper
 278 100
 139 19.2 16.6 24.8
 279 24.3 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.555 ng
 RT: 17.086 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF133083.D
 Acq: 27 Apr 2023 00:35

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208



Tgt Ion:276 Resp: 153479
 Ion Ratio Lower Upper
 276 100
 277 23.1 19.4 29.0
 138 27.2 22.7 34.1

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Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023

