

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133247.D
 Acq On : 04 May 2023 23:41
 Operator : CG\JU
 Sample : 02588-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-0-3-05012023

Quant Time: May 05 05:34:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	187013	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	750004	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	387860	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	637417	20.000	ng	0.00
76) Chrysene-d12	13.874	240	367865	20.000	ng	-0.01
86) Perylene-d12	15.292	264	396627	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	1110522	89.703	ng	0.00
7) Phenol-d6	6.363	99	1416460	92.181	ng	-0.01
23) Nitrobenzene-d5	7.292	82	868776	62.525	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	333804	85.576	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1475303	63.636	ng	0.00
79) Terphenyl-d14	12.827	244	1241926	58.225	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	182595	5.330	ng	99
75) Fluoranthene	12.451	202	266534	7.752	ng	96
78) Pyrene	12.674	202	216455	6.864	ng	98
81) Benzo(a)anthracene	13.862	228	98180	3.881	ng	98
83) Chrysene	13.898	228	104460	4.130	ng	98
87) Indeno(1,2,3-cd)pyrene	16.656	276	47314	2.097	ng	95
88) Benzo(b)fluoranthene	14.886	252	148083m	5.869	ng	
90) Benzo(a)pyrene	15.227	252	92677	4.035	ng	97
92) Benzo(g,h,i)perylene	17.068	276	41212	2.218	ng	93

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

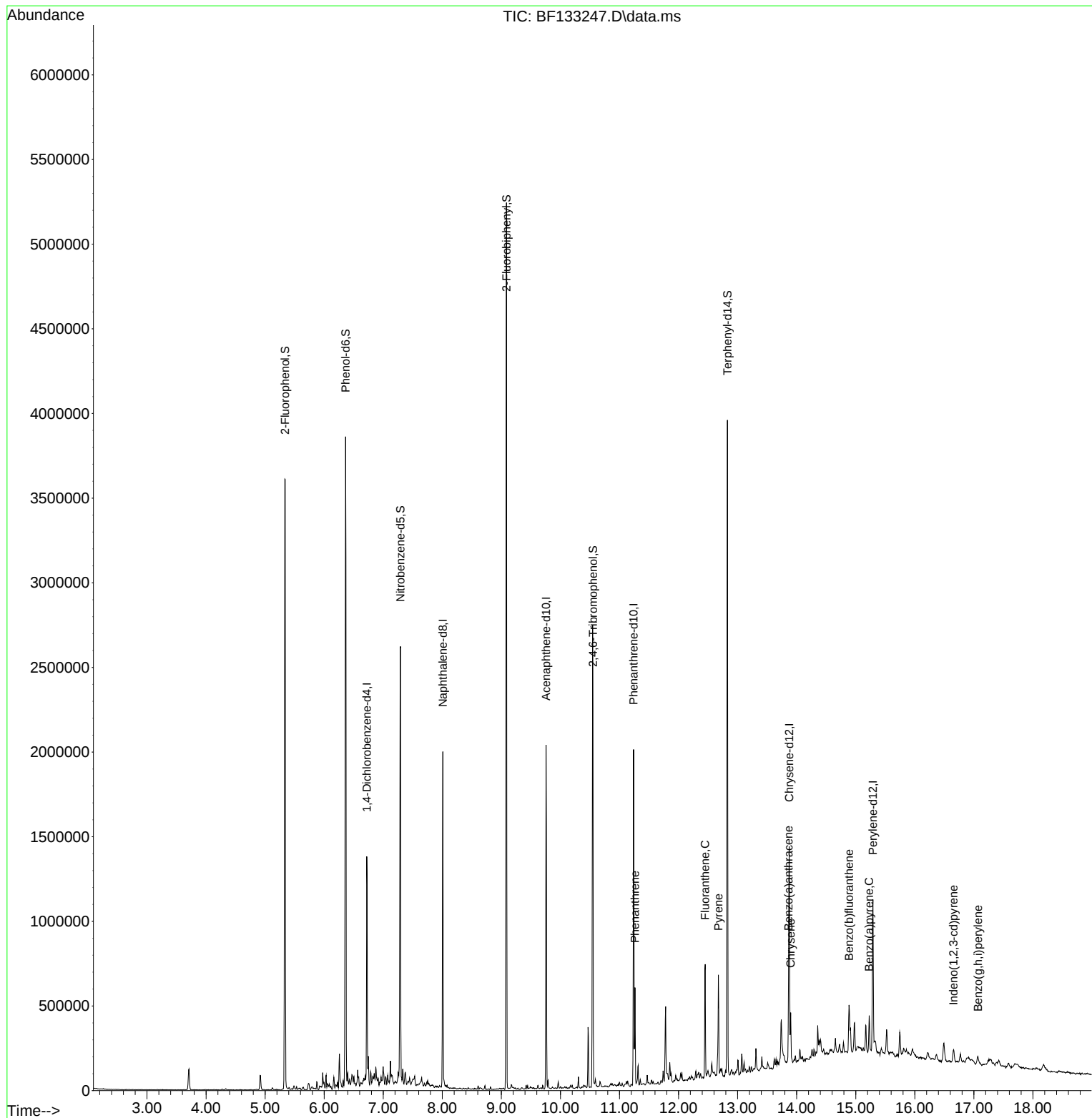
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133247.D
Acq On : 04 May 2023 23:41
Operator : CG\JU
Sample : 02588-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

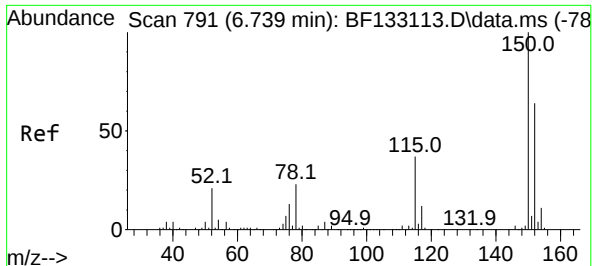
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023

Quant Time: May 05 05:34:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 04 12:22:53 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

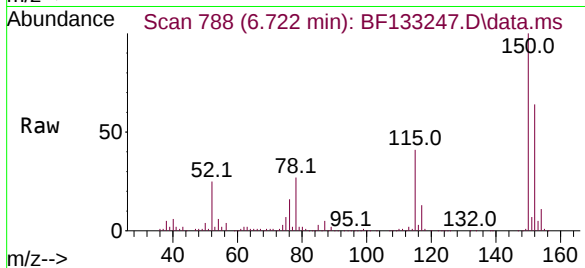
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

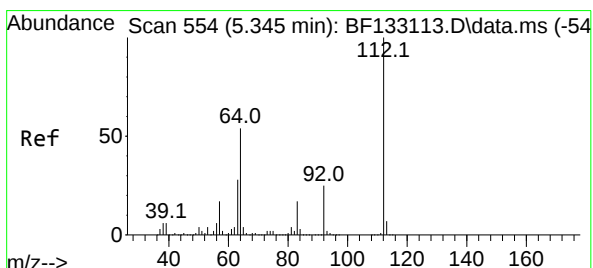
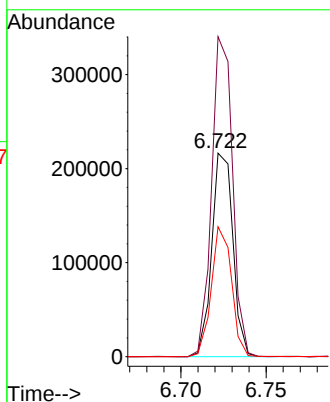
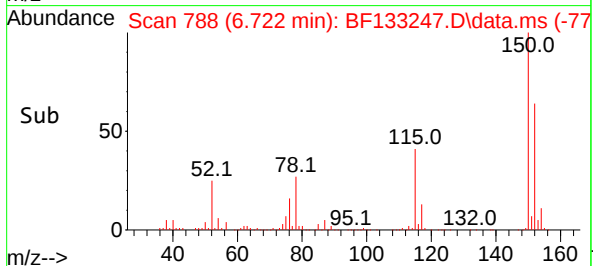
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:152 Resp: 187011
Ion Ratio Lower Upper
152 100
150 157.2 124.8 187.2
115 63.8 49.9 74.9

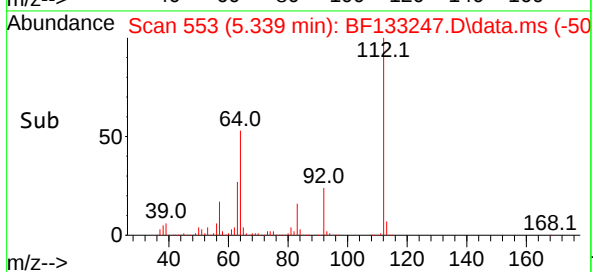
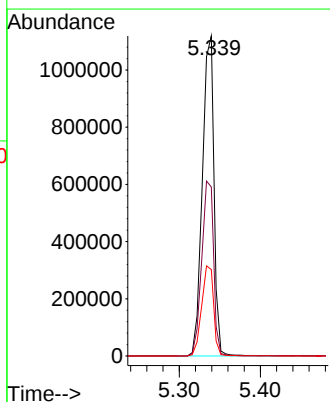
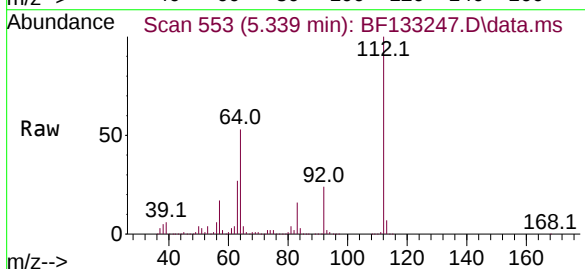
Manual Integrations
APPROVED

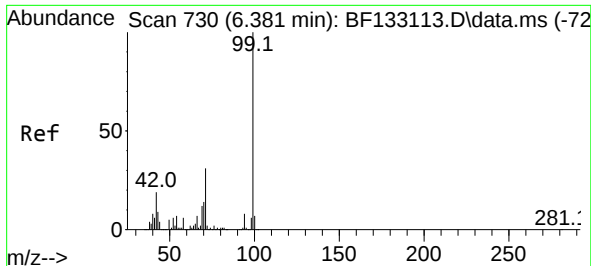
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 89.703 ng
RT: 5.339 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

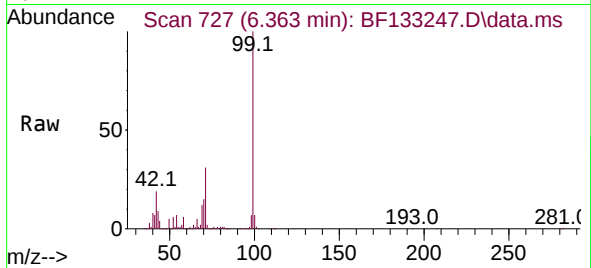
Tgt Ion:112 Resp: 1110522
Ion Ratio Lower Upper
112 100
64 52.8 46.8 70.2
63 27.0 23.8 35.8





#7
Phenol-d6
Concen: 92.181 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

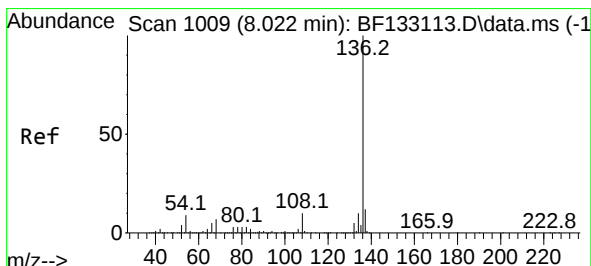
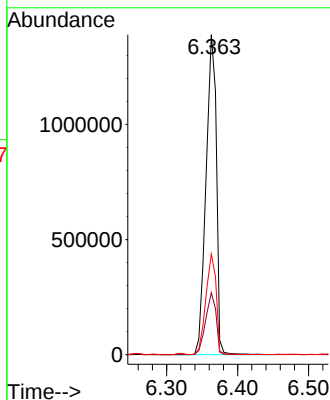
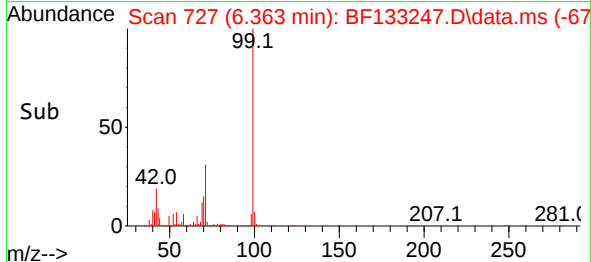
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion: 99 Resp: 1416460
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.5 25.6 38.4

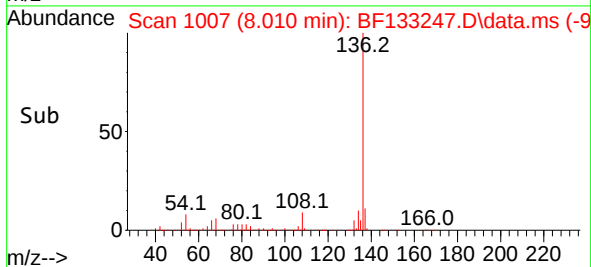
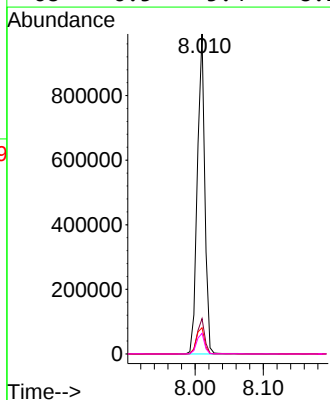
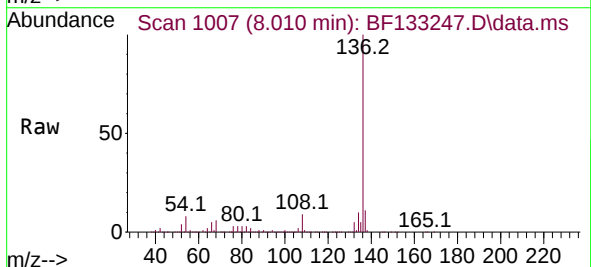
Manual Integrations
APPROVED

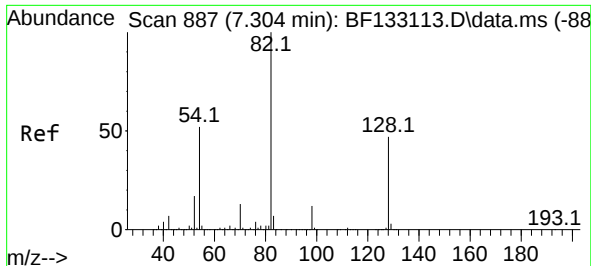
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

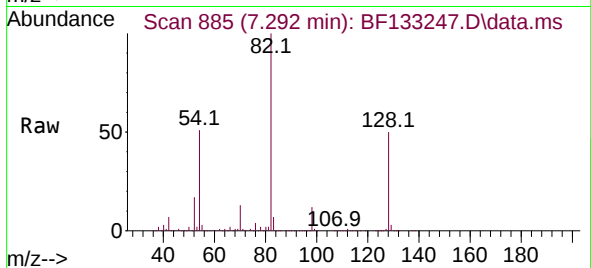
Tgt Ion:136 Resp: 750004
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 7.0 10.4
68 6.5 5.4 8.2





#23
Nitrobenzene-d5
Concen: 62.525 ng
RT: 7.292 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

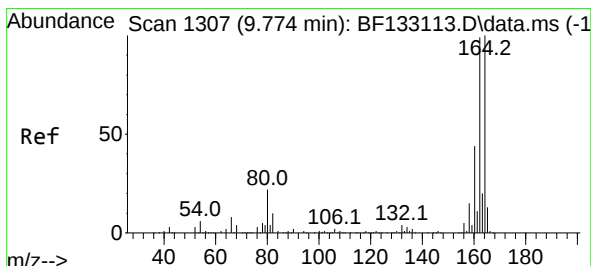
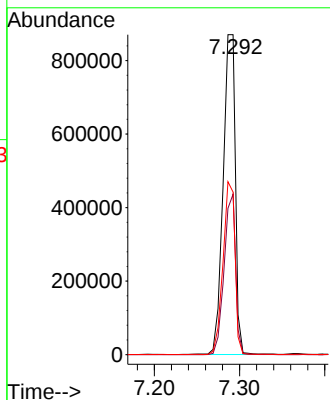
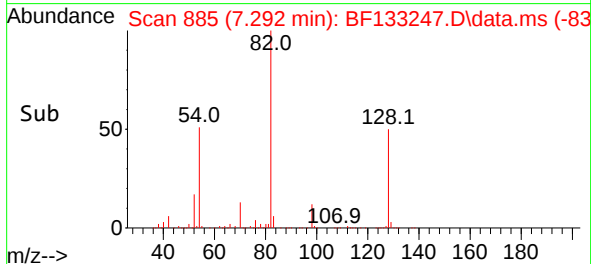
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion: 82 Resp: 868770
Ion Ratio Lower Upper
82 100
128 50.2 37.7 56.5
54 50.8 43.0 64.4

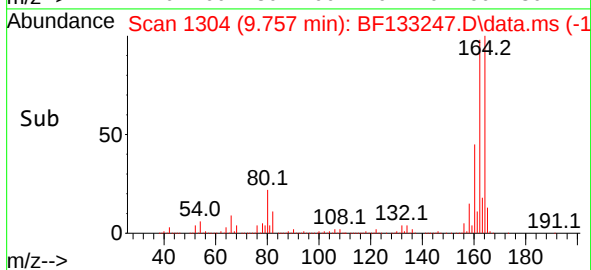
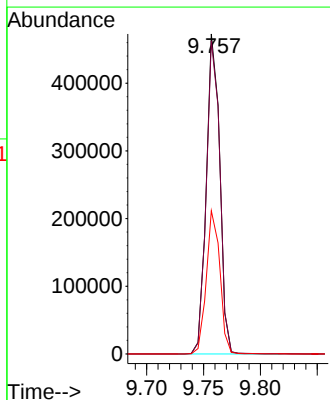
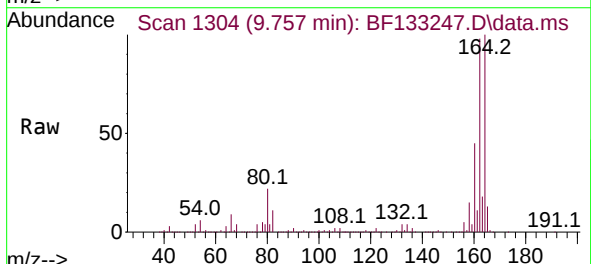
Manual Integrations
APPROVED

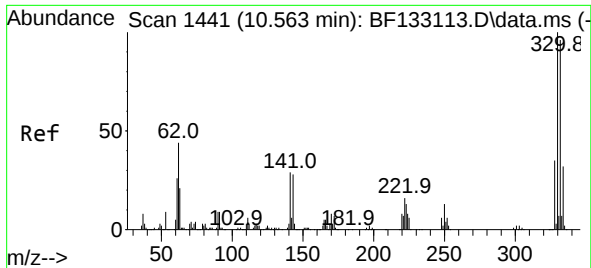
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

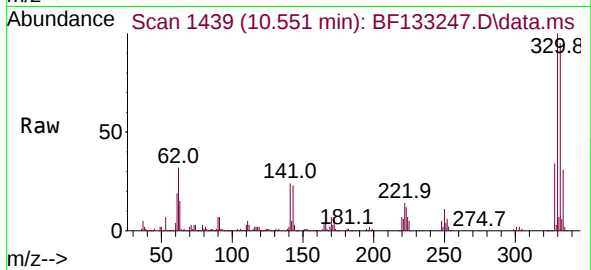
Tgt Ion:164 Resp: 387860
Ion Ratio Lower Upper
164 100
162 97.8 78.7 118.1
160 44.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 85.576 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

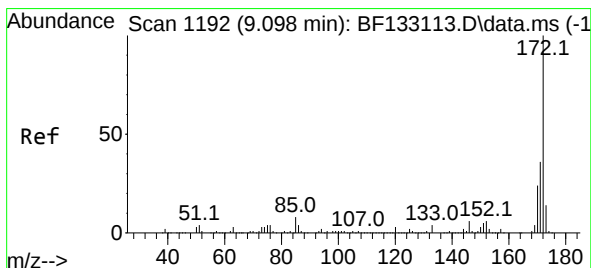
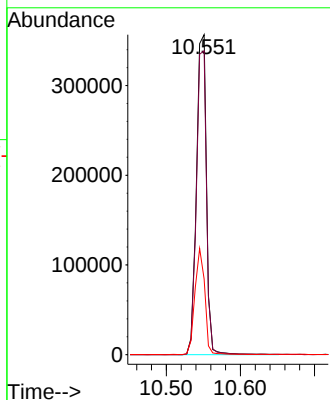
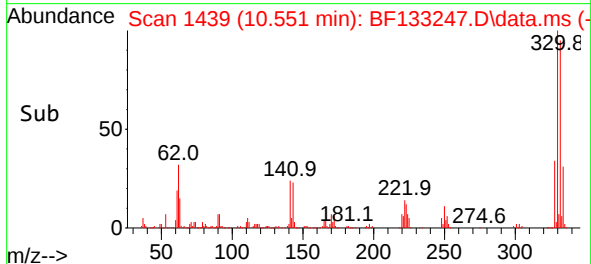
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



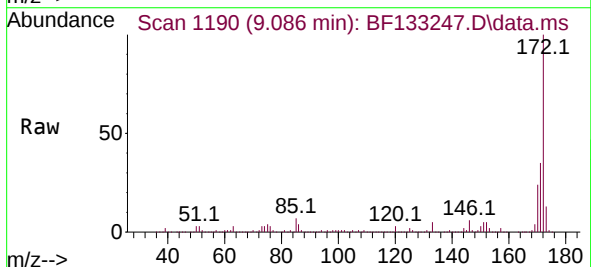
Tgt Ion:330 Resp: 333804
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 33.1 25.8 38.8

Manual Integrations
APPROVED

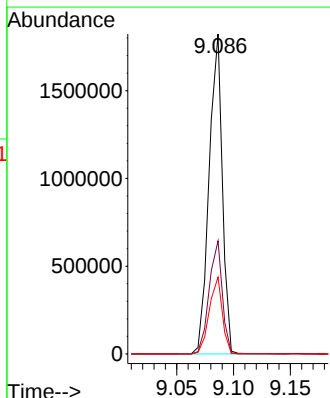
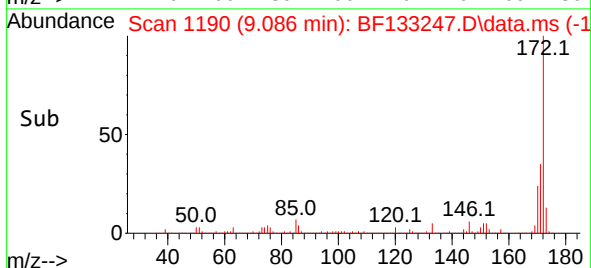
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

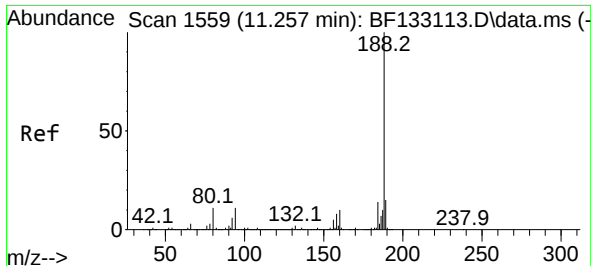


#45
2-Fluorobiphenyl
Concen: 63.636 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41



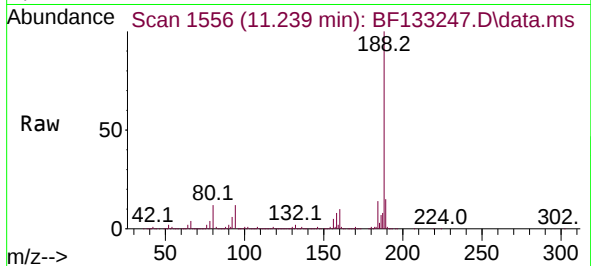
Tgt Ion:172 Resp: 1475303
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

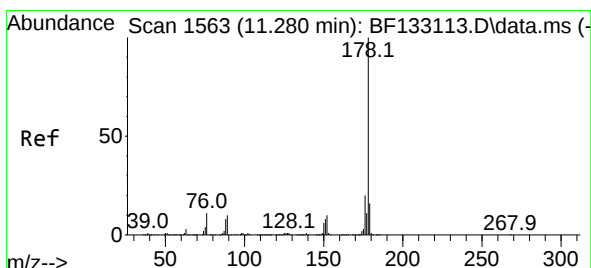
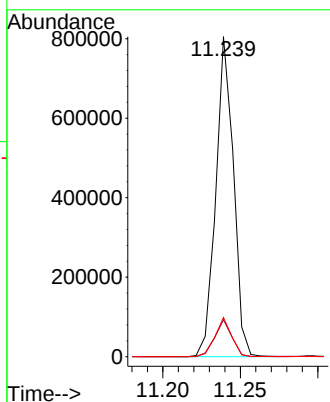
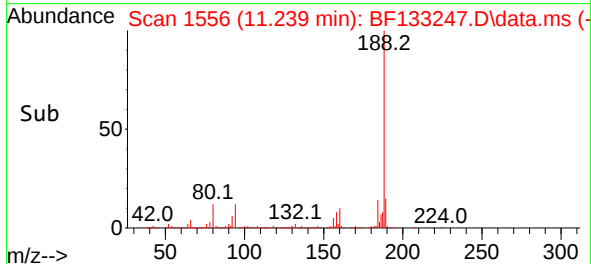
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:188 Resp: 63741
Ion Ratio Lower Upper
188 100
94 11.6 9.7 14.5
80 12.2 10.4 15.6

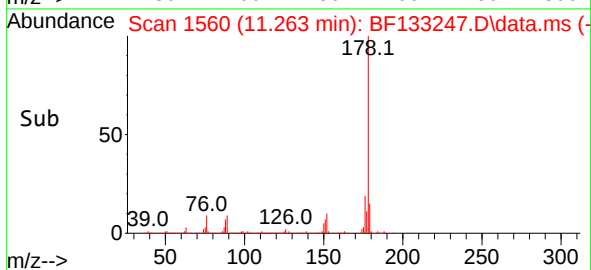
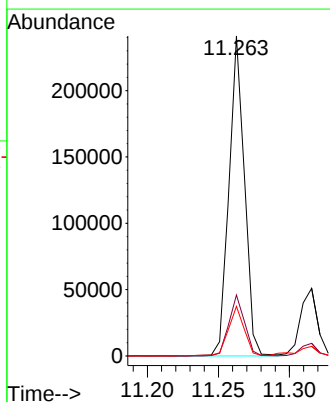
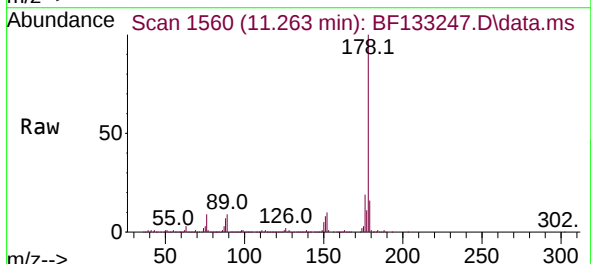
Manual Integrations
APPROVED

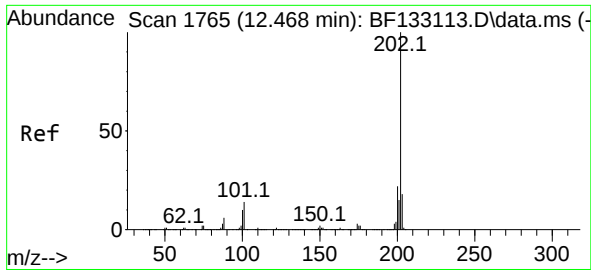
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#71
Phenanthrene
Concen: 5.330 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

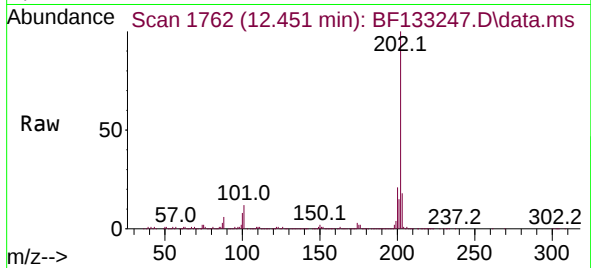
Tgt Ion:178 Resp: 182595
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 7.752 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

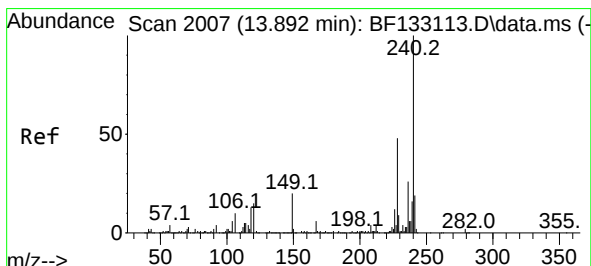
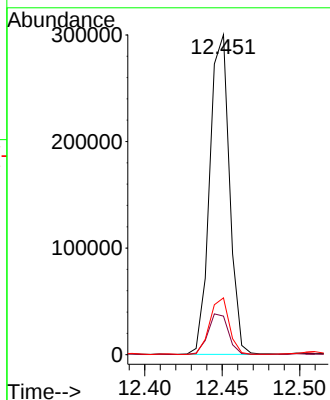
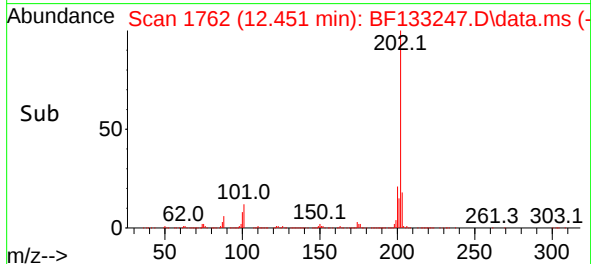
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:202 Resp: 266534
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 17.7 0.0 38.1

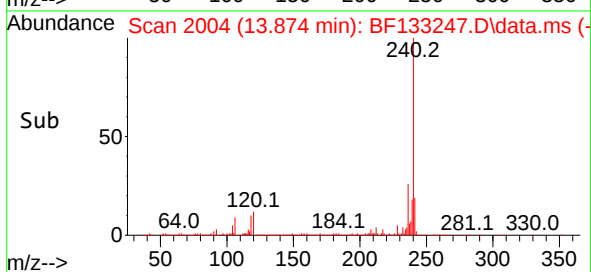
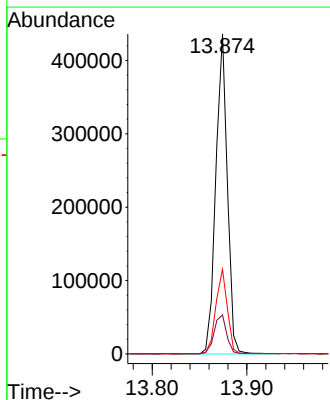
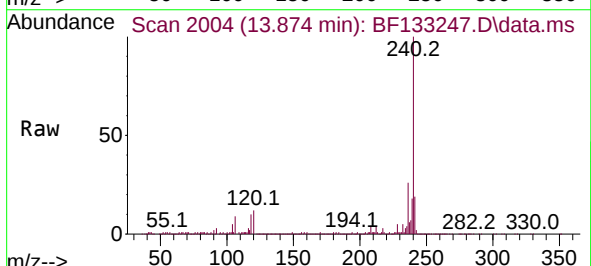
Manual Integrations
APPROVED

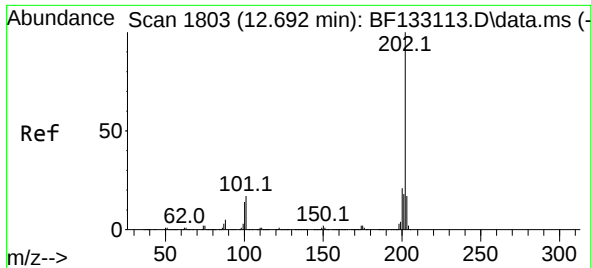
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

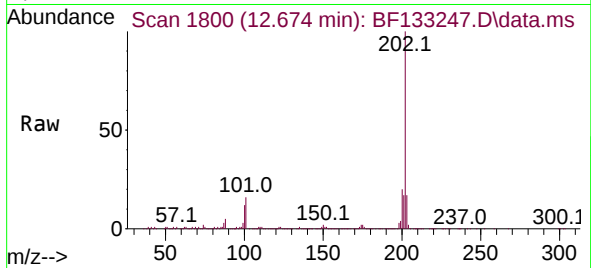
Tgt Ion:240 Resp: 367865
Ion Ratio Lower Upper
240 100
120 12.2 10.5 15.7
236 26.4 21.5 32.3





#78
Pyrene
Concen: 6.864 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

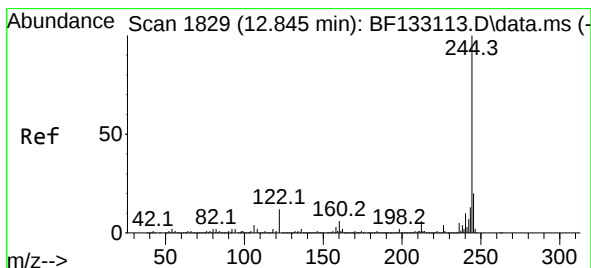
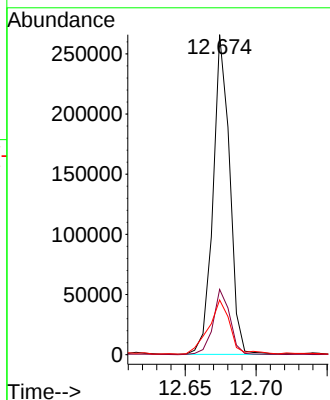
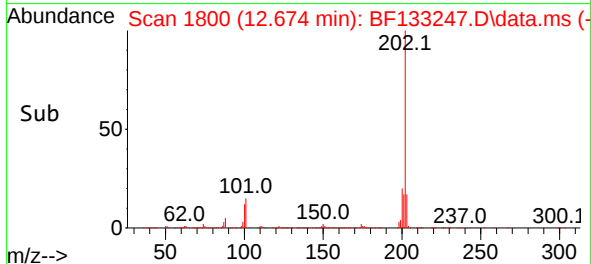
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:202 Resp: 21645
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.1 14.1 21.1

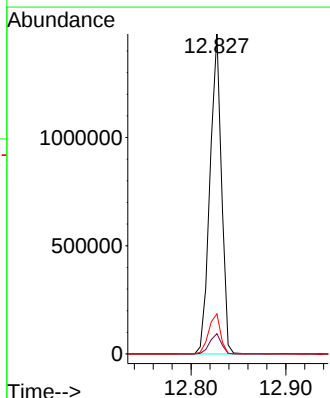
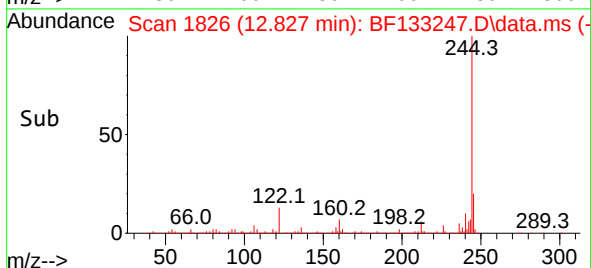
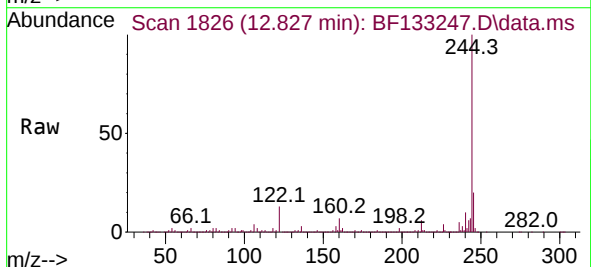
Manual Integrations
APPROVED

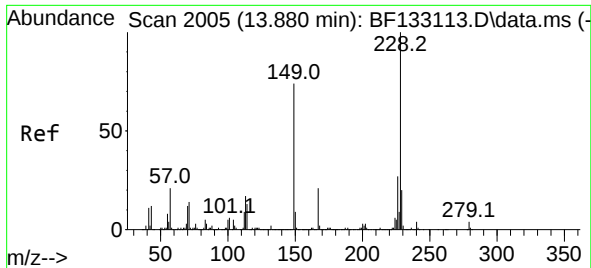
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#79
Terphenyl-d14
Concen: 58.225 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

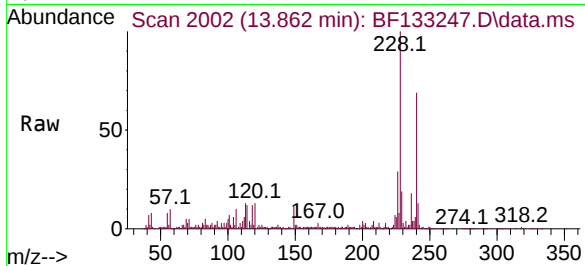
Tgt Ion:244 Resp: 1241926
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 12.6 8.6 13.0





#81
Benzo(a)anthracene
Concen: 3.881 ng
RT: 13.862 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

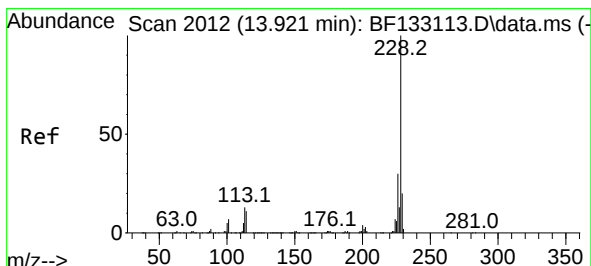
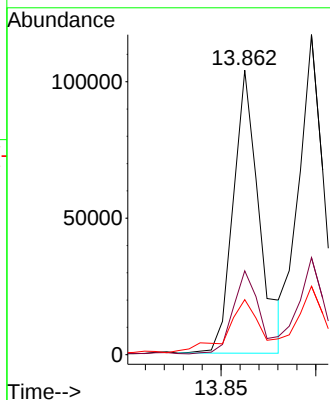
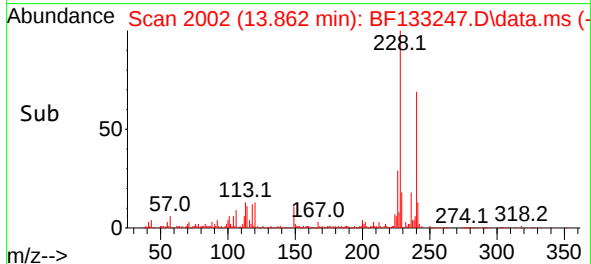
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



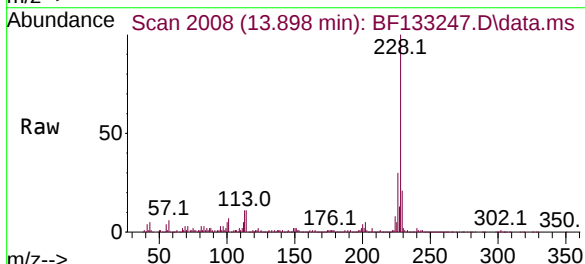
Tgt Ion:228 Resp: 98180
Ion Ratio Lower Upper
228 100
226 29.4 22.2 33.4
229 19.4 16.0 24.0

Manual Integrations
APPROVED

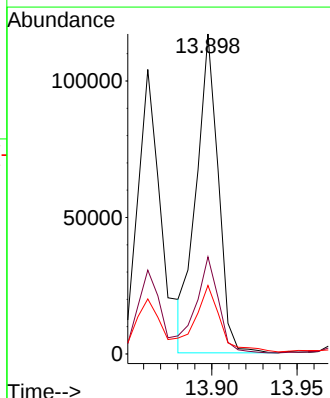
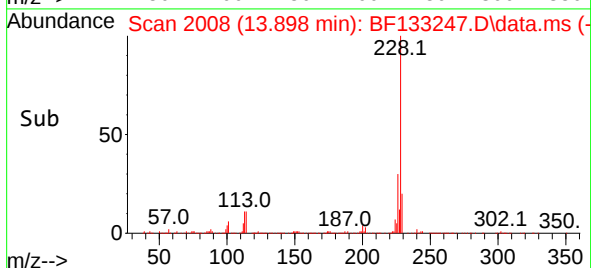
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

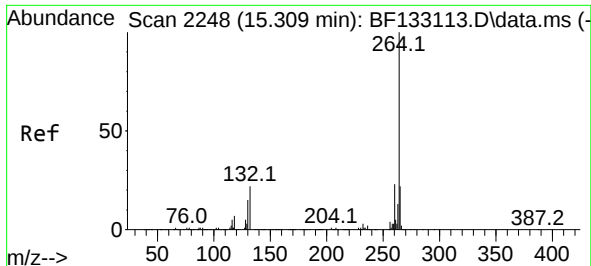


#83
Chrysene
Concen: 4.130 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41



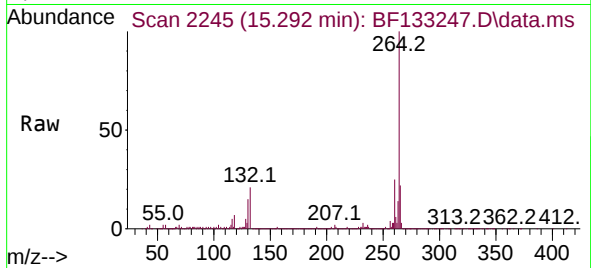
Tgt Ion:228 Resp: 104460
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 21.4 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

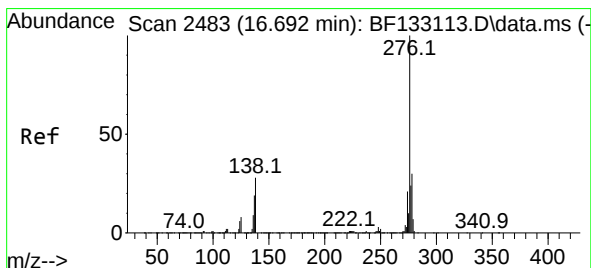
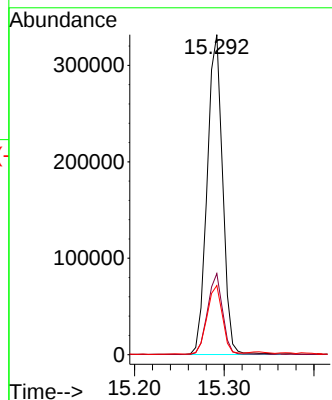
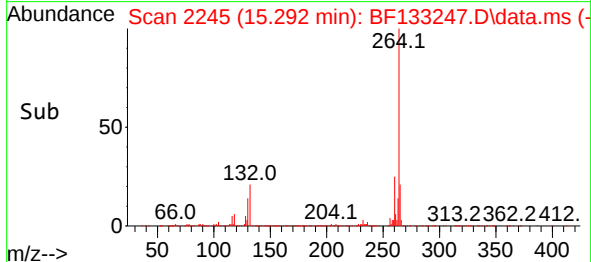
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:264 Resp: 39662
Ion Ratio Lower Upper
264 100
260 25.3 18.8 28.2
265 21.6 17.0 25.4

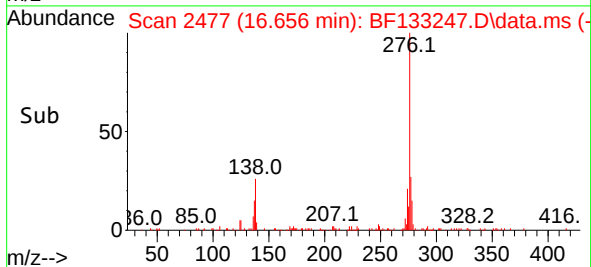
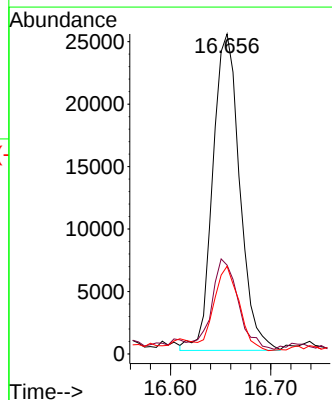
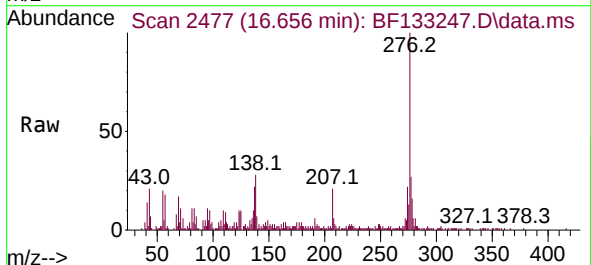
Manual Integrations
APPROVED

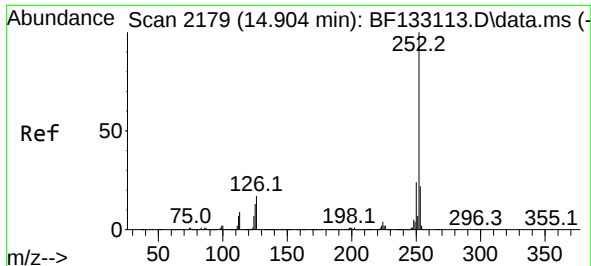
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.097 ng
RT: 16.656 min Scan# 2477
Delta R.T. -0.018 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

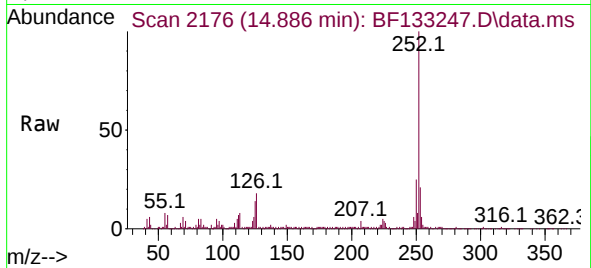
Tgt Ion:276 Resp: 47314
Ion Ratio Lower Upper
276 100
138 28.2 25.5 38.3
277 24.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 5.869 ng m
RT: 14.886 min Scan# 2179
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

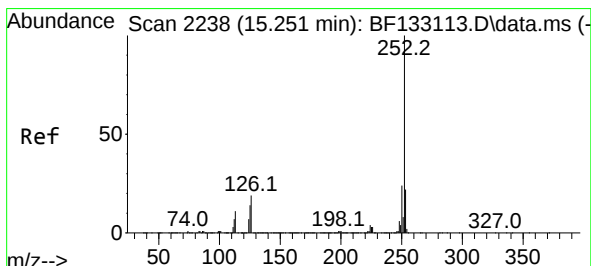
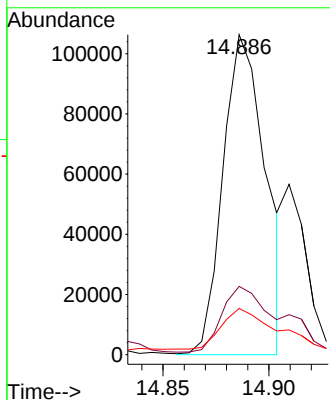
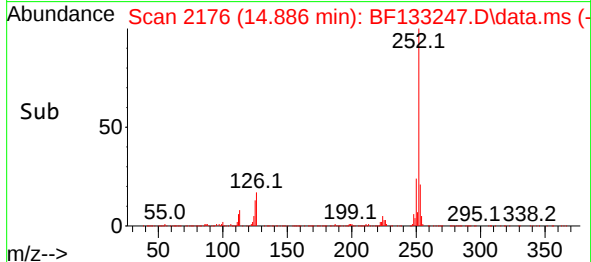
Instrument :
BNA_F
ClientSampleId :
ZONE-C-0-3-05012023



Tgt Ion:252 Resp: 14808
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 14.5 8.9 13.3

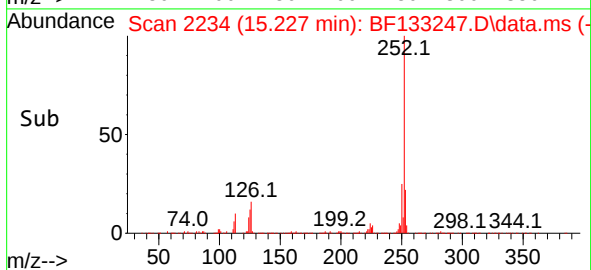
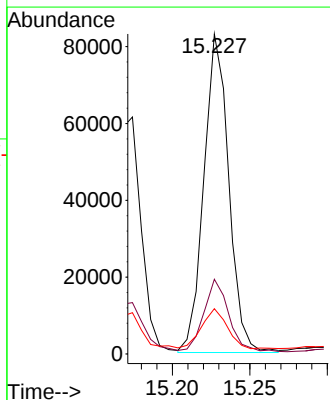
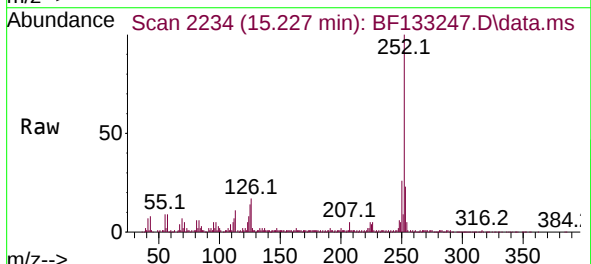
Manual Integrations
APPROVED

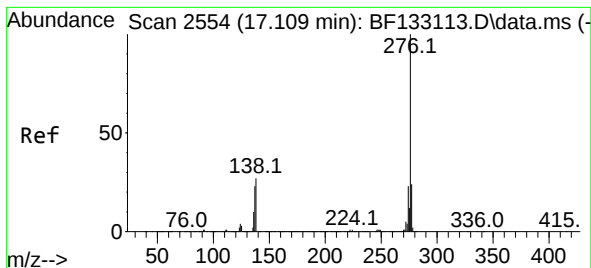
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#90
Benzo(a)pyrene
Concen: 4.035 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF133247.D
Acq: 04 May 2023 23:41

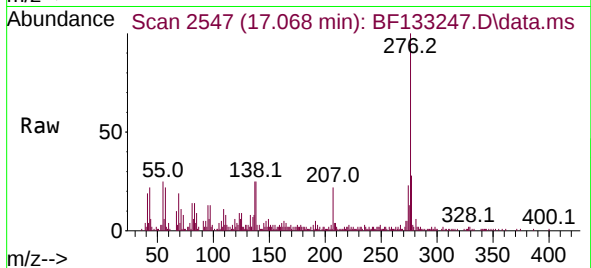
Tgt Ion:252 Resp: 92677
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 14.1 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.218 ng
 RT: 17.068 min Scan# 2547
 Delta R.T. -0.024 min
 Lab File: BF133247.D
 Acq: 04 May 2023 23:41

Instrument : BNA_F
 ClientSampleId : ZONE-C-0-3-05012023



Tgt Ion:	276	Resp:	4121
Ion Ratio	Lower	Upper	
276	100		
277	27.8	19.4	29.0
138	25.1	22.7	34.1

Manual Integrations
 APPROVED

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

