

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133252.D
 Acq On : 05 May 2023 02:15
 Operator : CG\JU
 Sample : 02588-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-0-3-05022023

Quant Time: May 05 05:35:29 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	6.728	152	205441	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	806018	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	380384	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	568065	20.000	ng	0.00
76) Chrysene-d12	13.874	240	380604	20.000	ng	-0.01
86) Perylene-d12	15.292	264	311589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1071663	78.800	ng	0.00
7) Phenol-d6	6.363	99	1349198	79.927	ng	-0.01
23) Nitrobenzene-d5	7.293	82	823734	55.163	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	217150	56.764	ng	-0.01
45) 2-Fluorobiphenyl	9.087	172	1330955	58.538	ng	0.00
79) Terphenyl-d14	12.828	244	1044888	47.348	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	374831	12.277	ng	99
72) Anthracene	11.316	178	84647	2.709	ng	97
75) Fluoranthene	12.451	202	521010	17.003	ng	97
78) Pyrene	12.680	202	451282	13.832	ng	99
81) Benzo(a)anthracene	13.863	228	214790	8.207	ng	97
83) Chrysene	13.898	228	209633	8.012	ng	98
87) Indeno(1,2,3-cd)pyrene	16.663	276	75744	4.274	ng	95
88) Benzo(b)fluoranthene	14.892	252	239359m	12.075	ng	
89) Benzo(k)fluoranthene	14.916	252	53888m	2.742	ng	
90) Benzo(a)pyrene	15.233	252	144204	7.992	ng	98
92) Benzo(g,h,i)perylene	17.074	276	68812	4.715	ng	99

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

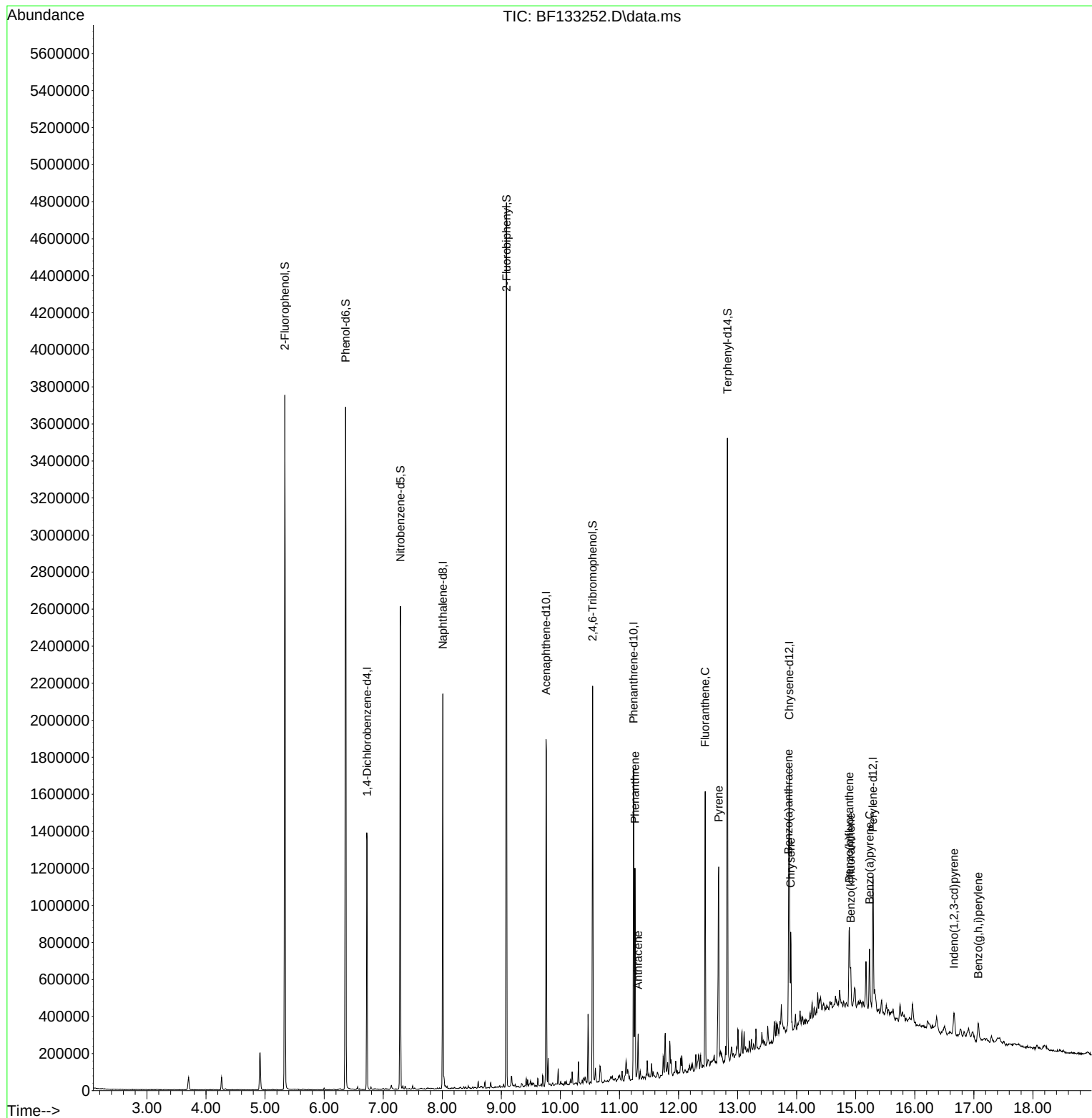
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
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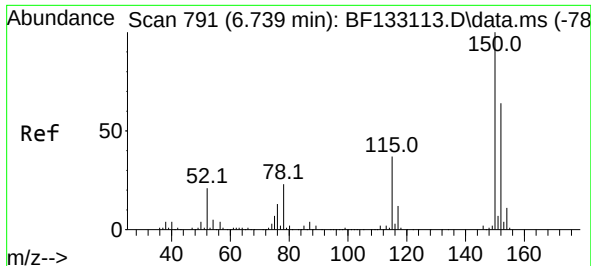
Instrument :
BNA_F
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ZONE-D-0-3-05022023

Quant Time: May 05 05:35:29 2023
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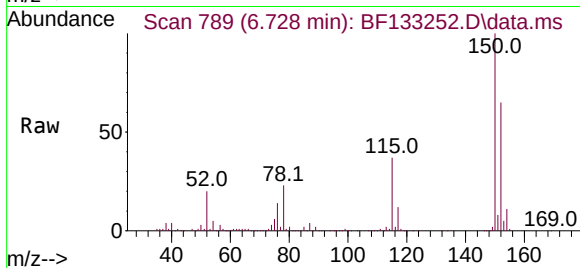
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

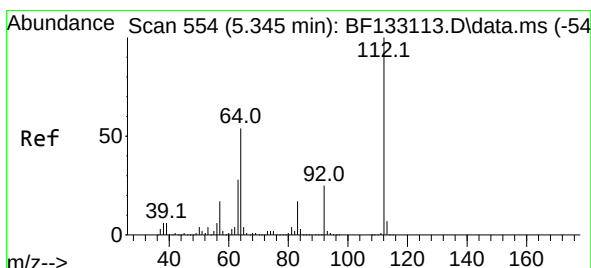
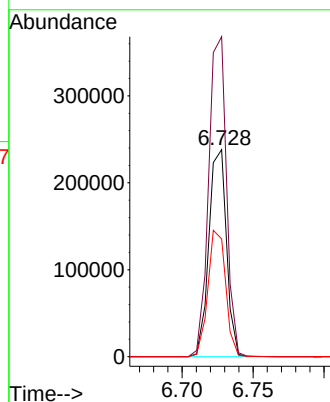
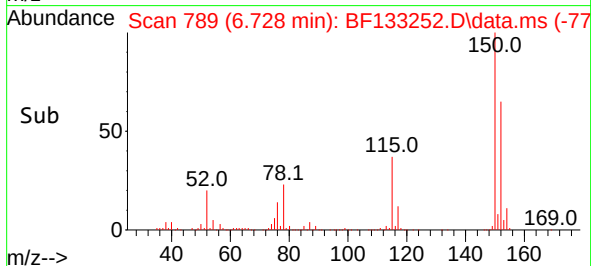
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023



Tgt Ion:152 Resp: 20544
Ion Ratio Lower Upper
152 100
150 154.6 124.8 187.2
115 56.9 49.9 74.9

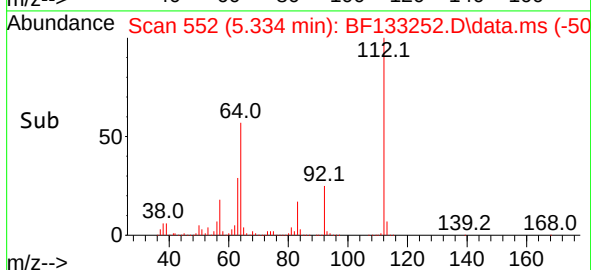
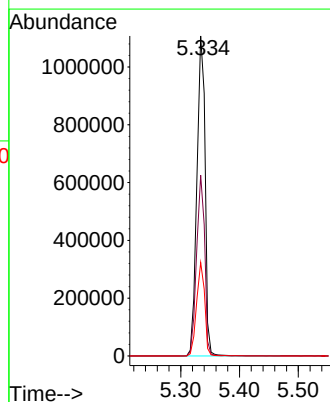
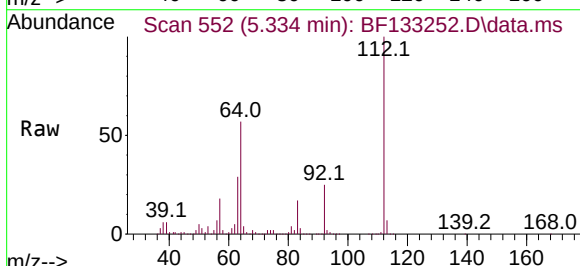
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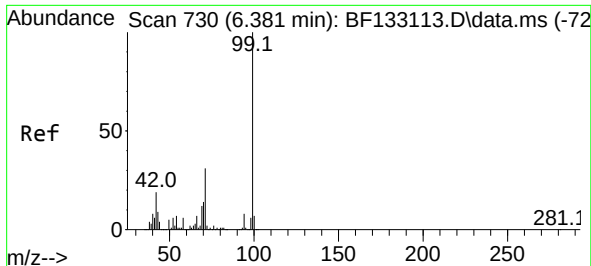
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 78.800 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

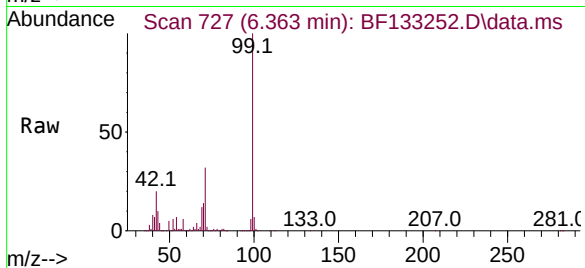
Tgt Ion:112 Resp: 1071663
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 79.927 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

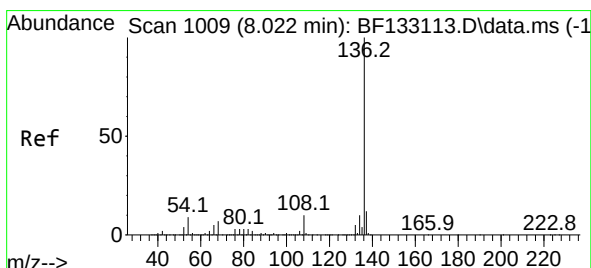
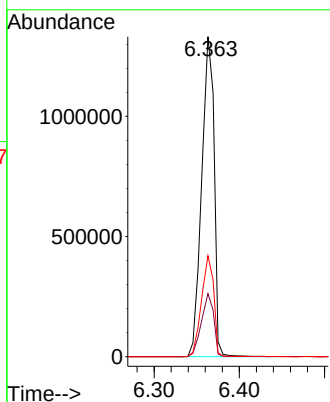
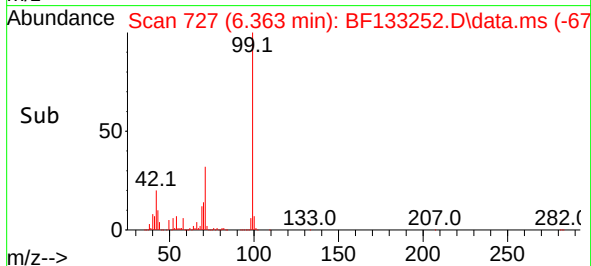
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023



Tgt Ion: 99 Resp: 1349198
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.6 25.6 38.4

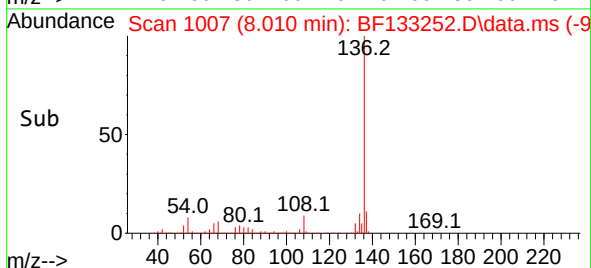
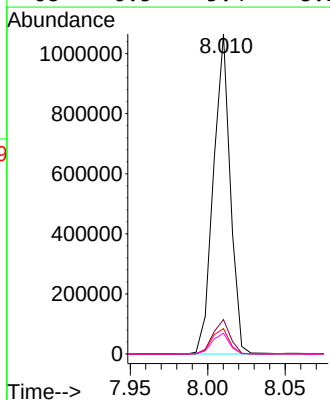
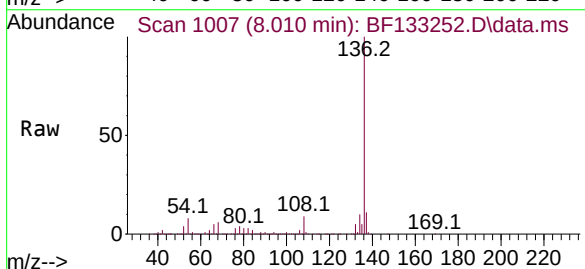
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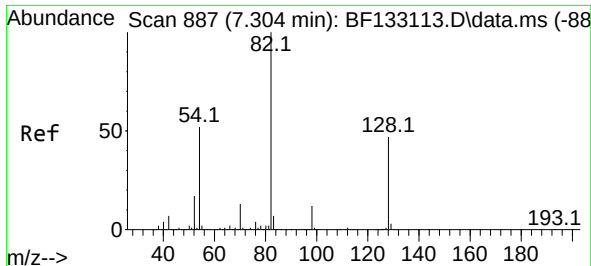
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:136 Resp: 806018
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.9 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 55.163 ng

RT: 7.293 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023

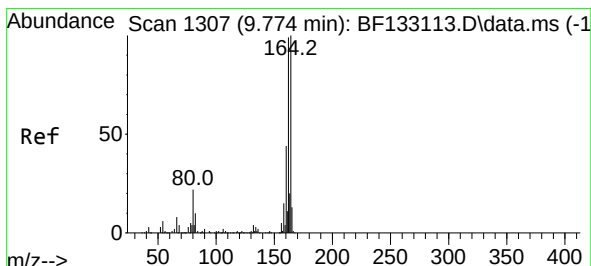
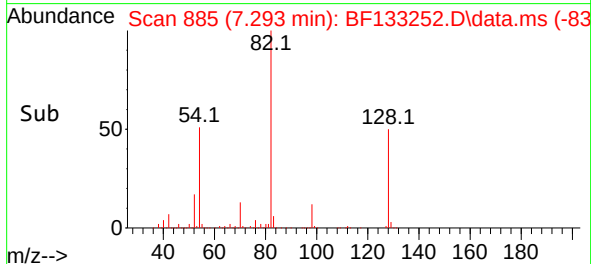
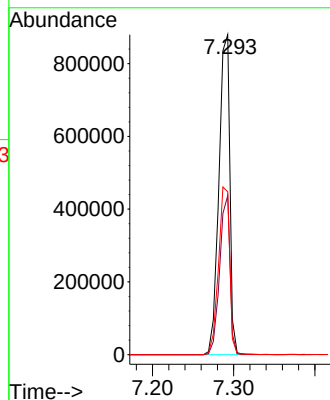
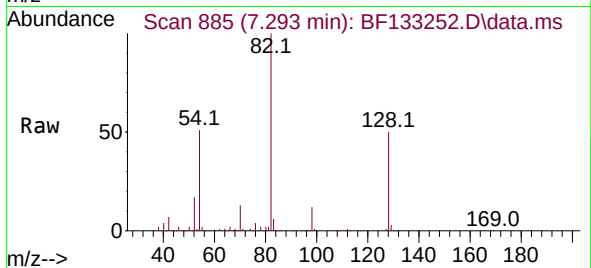
Tgt Ion: 82 Resp: 823734

Ion	Ratio	Lower	Upper
82	100		
128	49.7	37.7	56.5
54	50.9	43.0	64.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

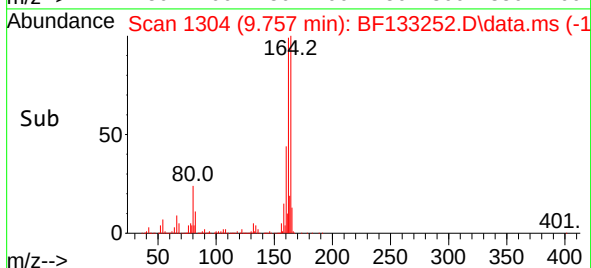
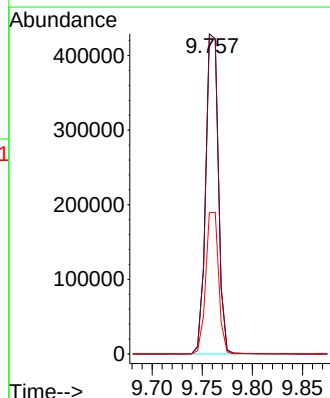
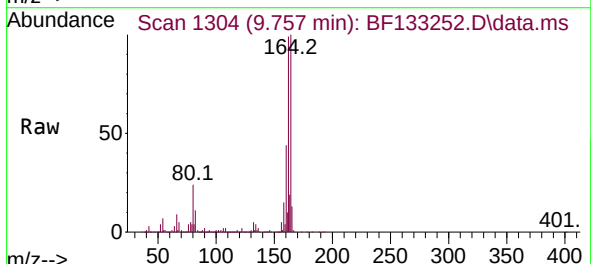
Delta R.T. -0.012 min

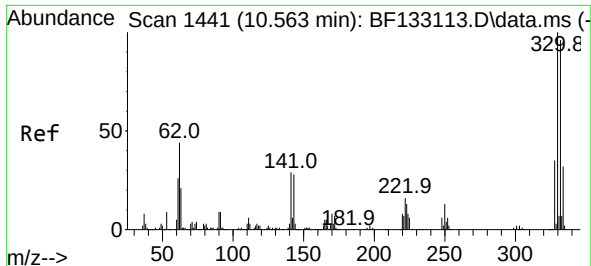
Lab File: BF133252.D

Acq: 05 May 2023 02:15

Tgt Ion:164 Resp: 380384

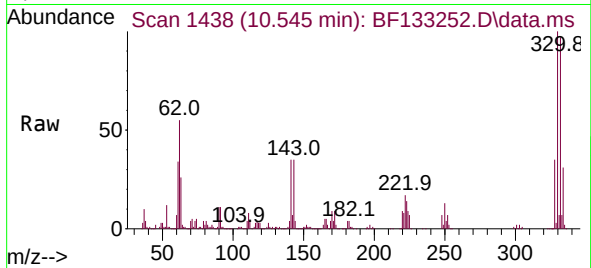
Ion	Ratio	Lower	Upper
164	100		
162	98.7	78.7	118.1
160	44.1	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 56.764 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

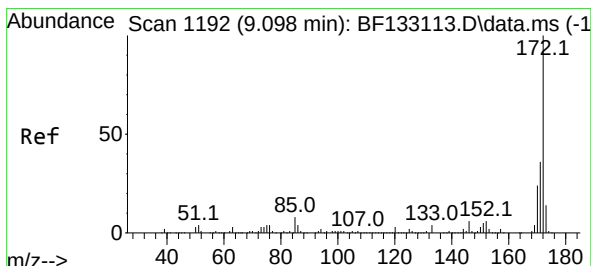
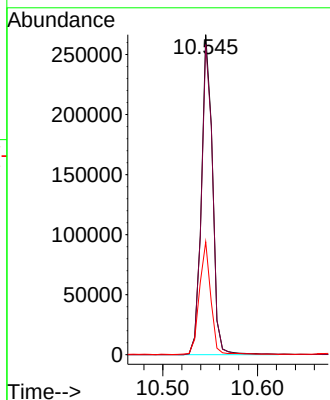
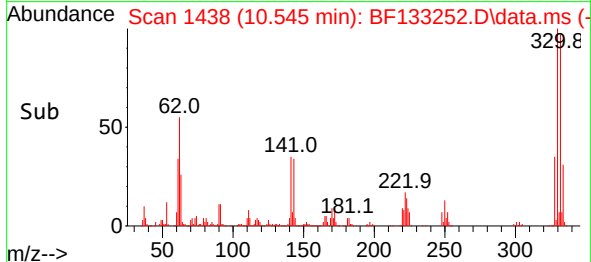
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023



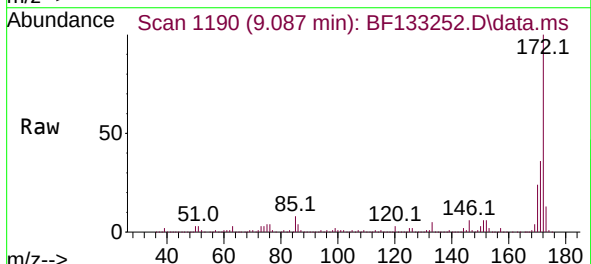
Tgt Ion: 330 Resp: 217150
Ion Ratio Lower Upper
330 100
332 98.4 77.1 115.7
141 36.1 25.8 38.8

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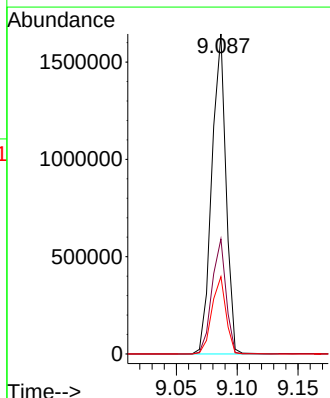
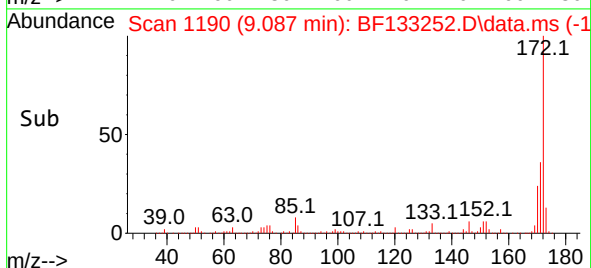
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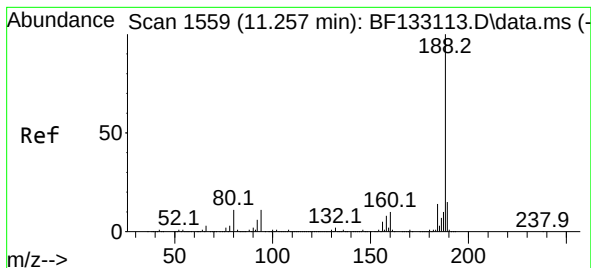


#45
2-Fluorobiphenyl
Concen: 58.538 ng
RT: 9.087 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15



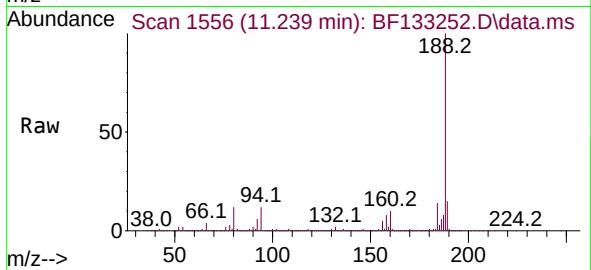
Tgt Ion: 172 Resp: 1330955
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.2 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

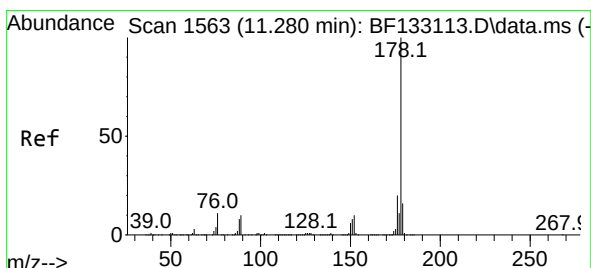
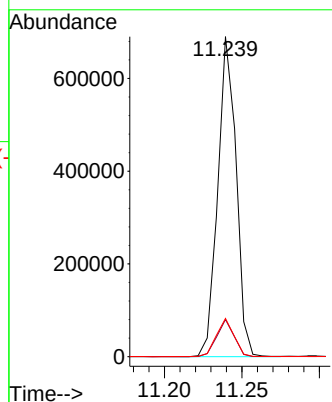
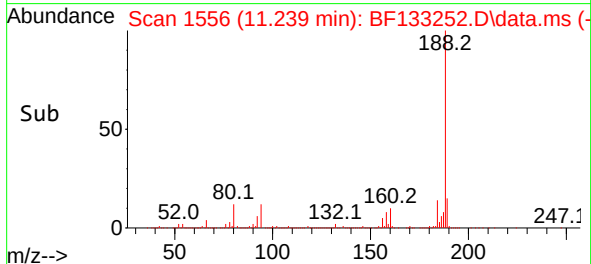
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023



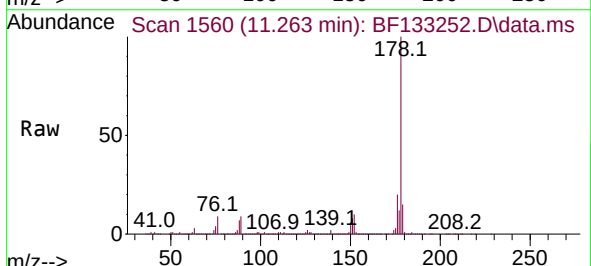
Tgt Ion:188 Resp: 56806
Ion Ratio Lower Upper
188 100
94 11.6 9.7 14.5
80 12.0 10.4 15.6

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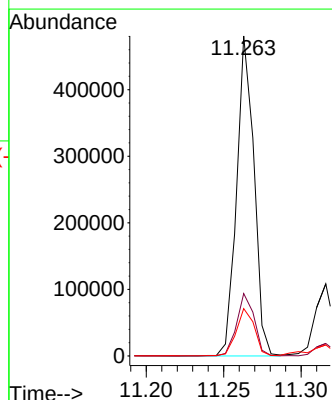
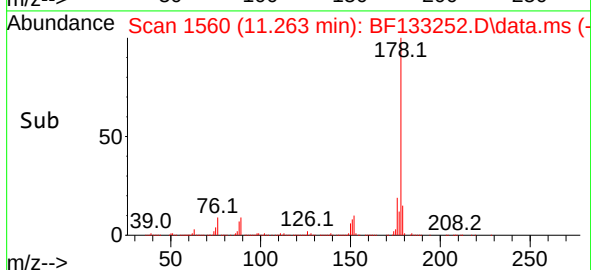
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

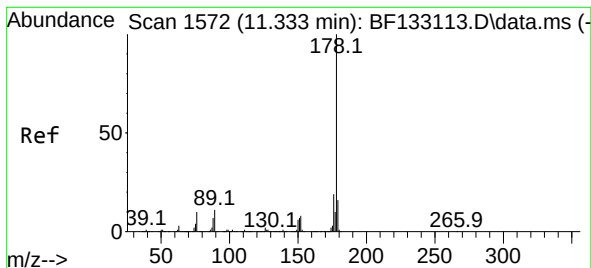


#71
Phenanthrene
Concen: 12.277 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15



Tgt Ion:178 Resp: 374831
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.8 12.5 18.7





#72

Anthracene

Concen: 2.709 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

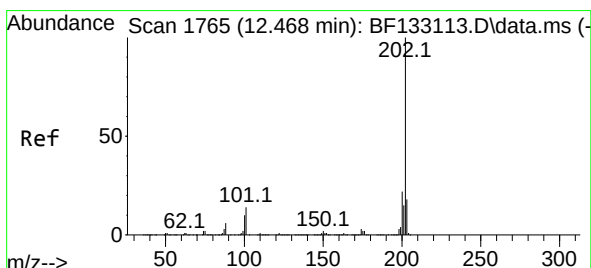
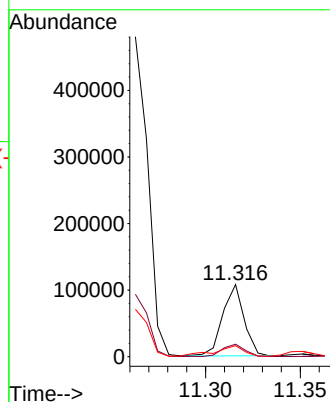
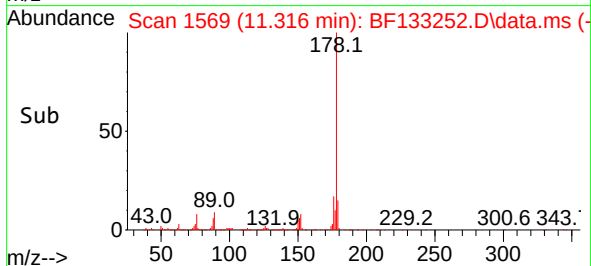
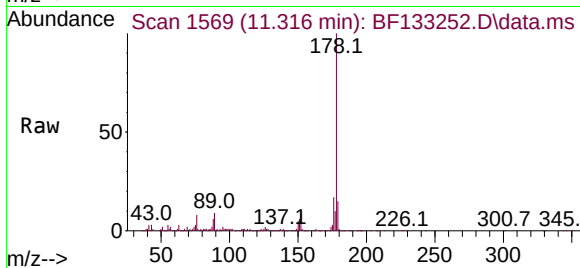
ZONE-D-0-3-05022023

Tgt Ion:178	Resp:	8464
Ion Ratio	Lower	Upper
178	100	
176	17.3	15.4 23.0
179	15.3	12.4 18.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2023



#75

Fluoranthene

Concen: 17.003 ng

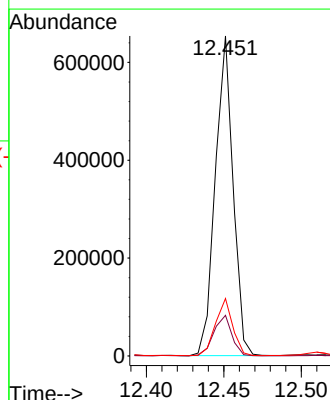
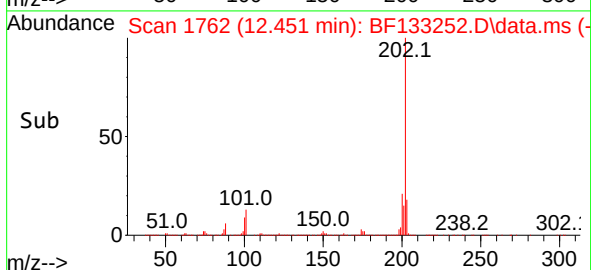
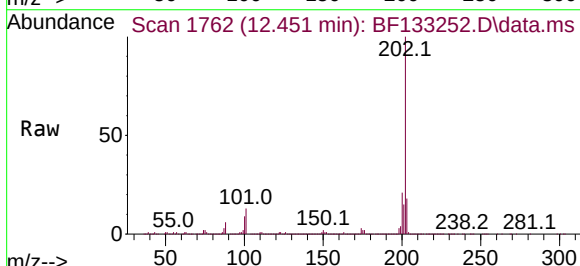
RT: 12.451 min Scan# 1762

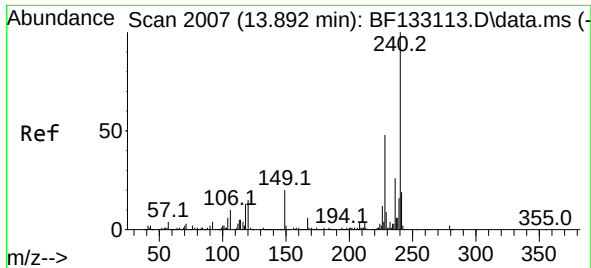
Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

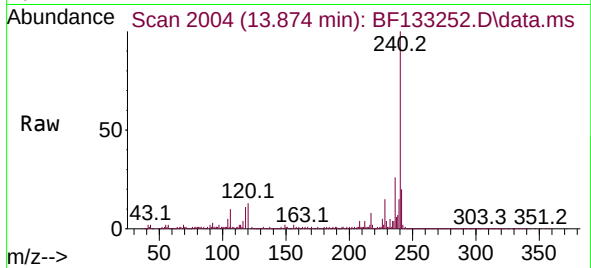
Tgt Ion:202	Resp:	521010
Ion Ratio	Lower	Upper
202	100	
101	12.7	0.0 35.3
203	17.9	0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

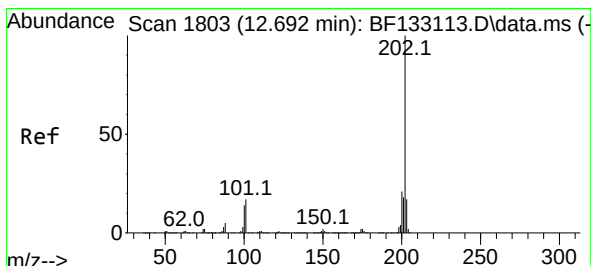
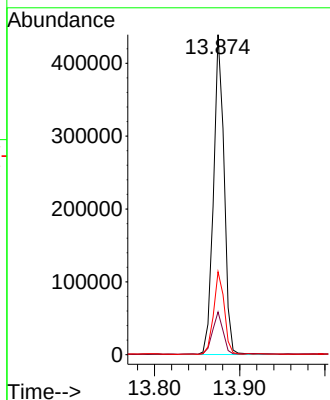
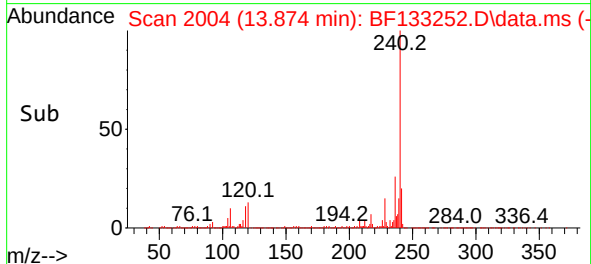
Instrument :
BNA_F
ClientSampleId :
ZONE-D-0-3-05022023



Tgt Ion:240 Resp: 380604
Ion Ratio Lower Upper
240 100
120 13.4 10.5 15.7
236 25.9 21.5 32.3

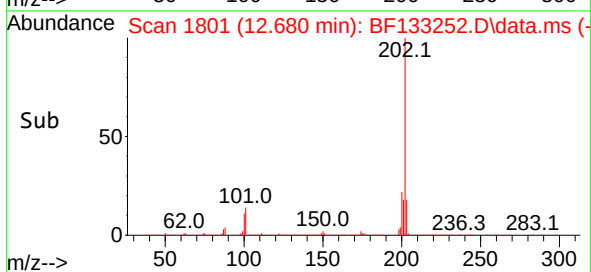
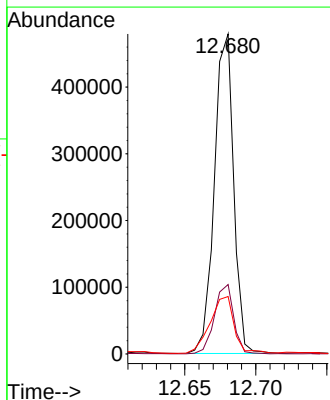
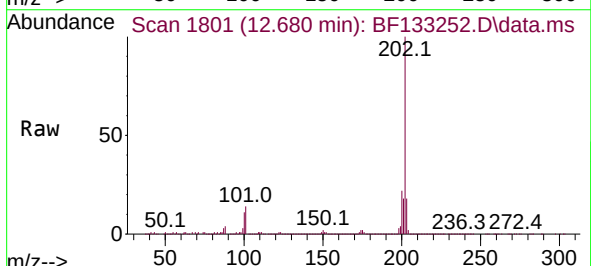
Manual Integrations
APPROVED

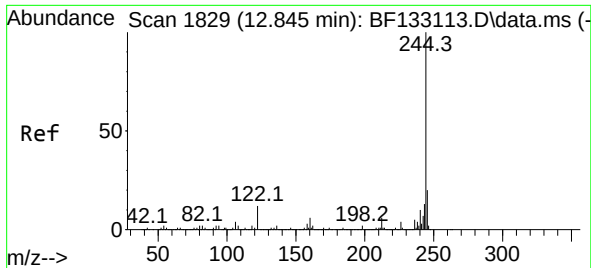
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#78
Pyrene
Concen: 13.832 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

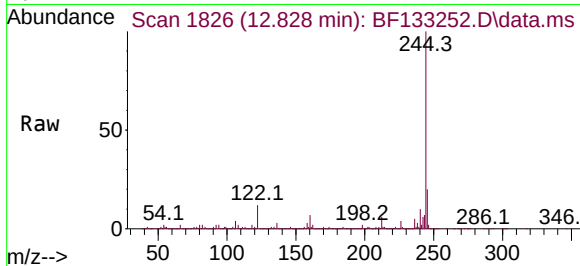
Tgt Ion:202 Resp: 451282
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.0 14.1 21.1





#79
 Terphenyl-d14
 Concen: 47.348 ng
 RT: 12.828 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

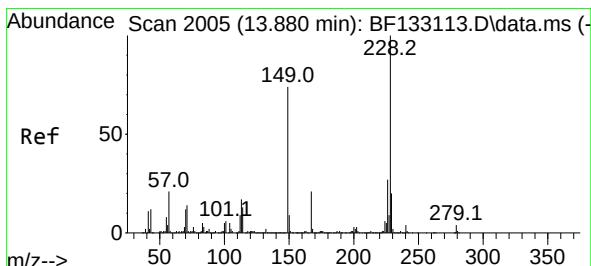
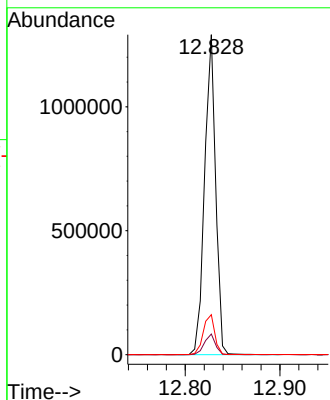
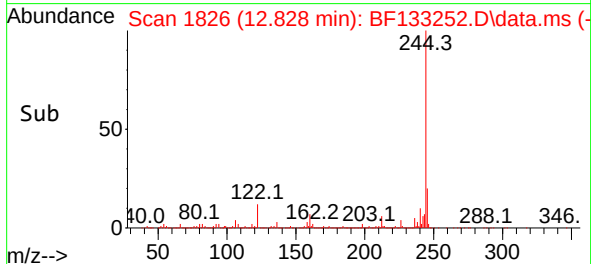
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-0-3-05022023



Tgt Ion:244 Resp: 1044888
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.5 8.6 13.0

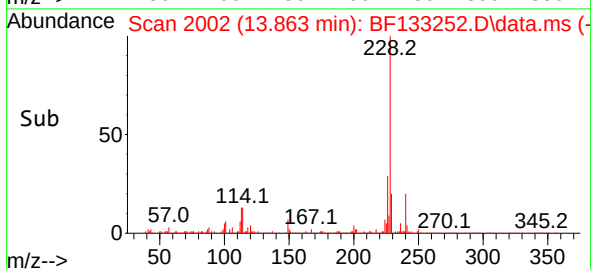
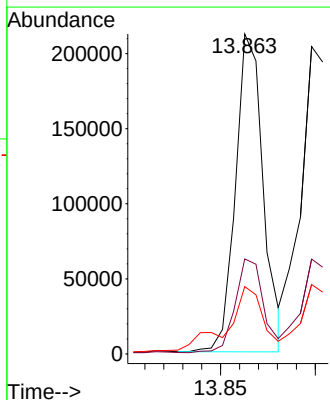
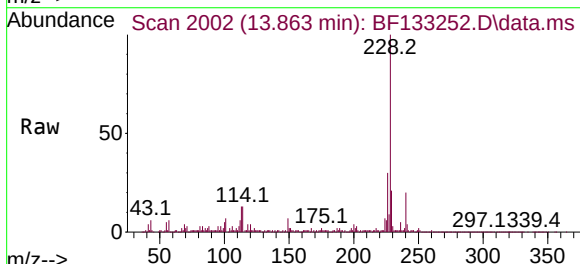
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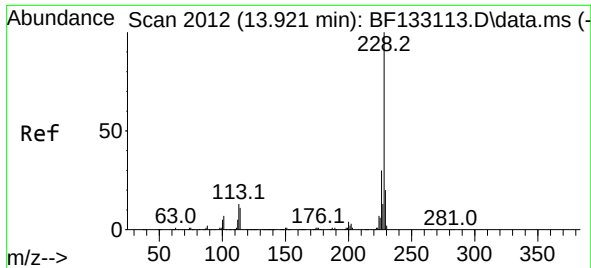
Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023



#81
 Benzo(a)anthracene
 Concen: 8.207 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

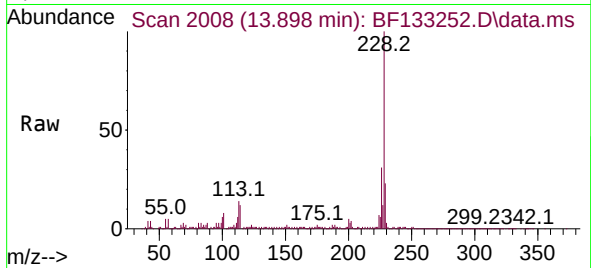
Tgt Ion:228 Resp: 214790
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.4
 229 21.0 16.0 24.0





#83
Chrysene
Concen: 8.012 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

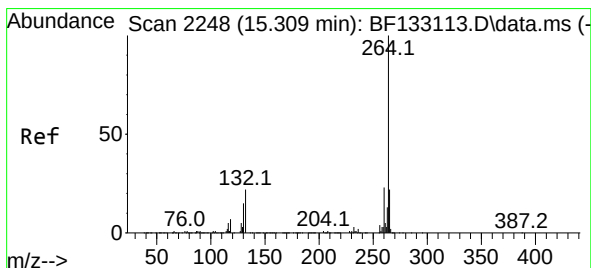
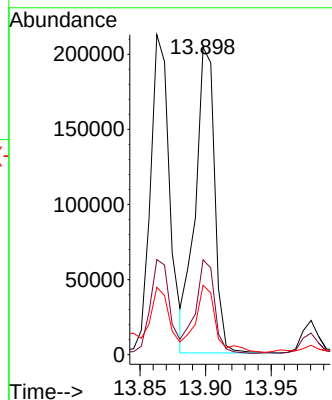
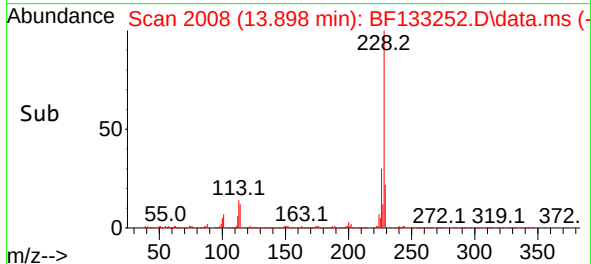
Instrument : BNA_F
ClientSampleId : ZONE-D-0-3-05022023



Tgt Ion:228 Resp: 20963
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 22.6 16.1 24.1

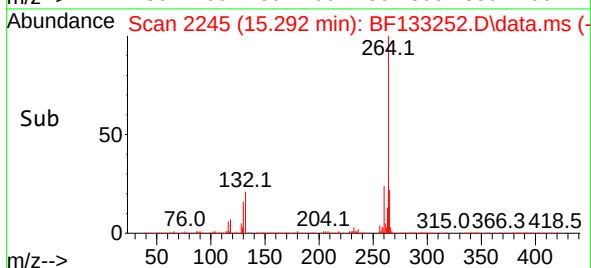
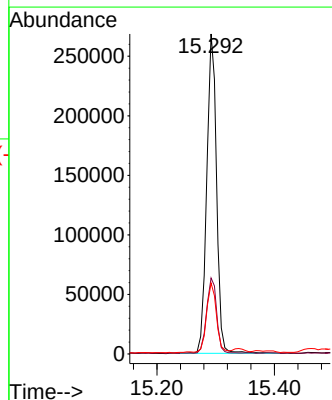
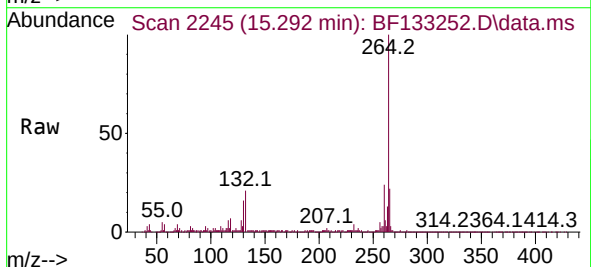
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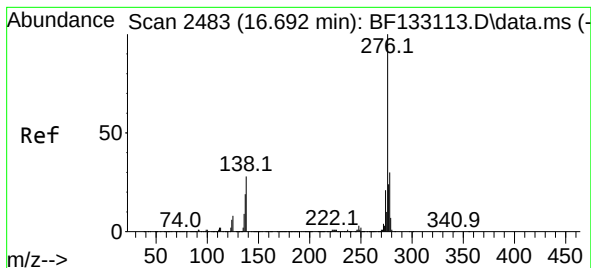
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133252.D
Acq: 05 May 2023 02:15

Tgt Ion:264 Resp: 311589
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.274 ng

RT: 16.663 min Scan# 2483

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

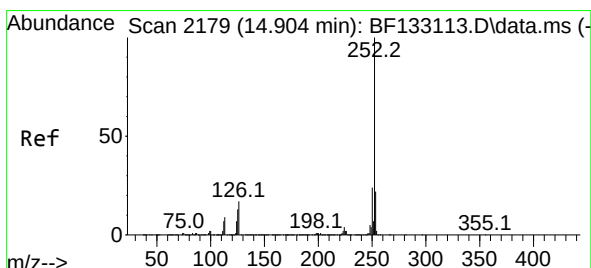
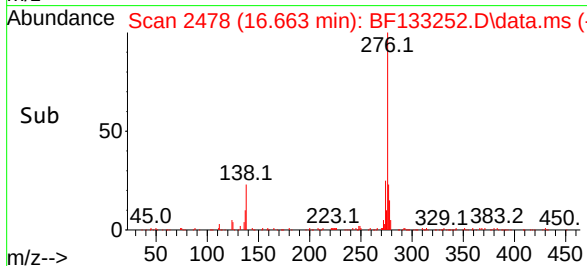
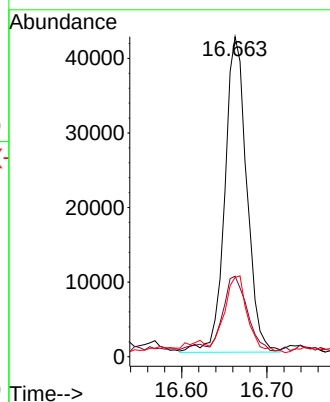
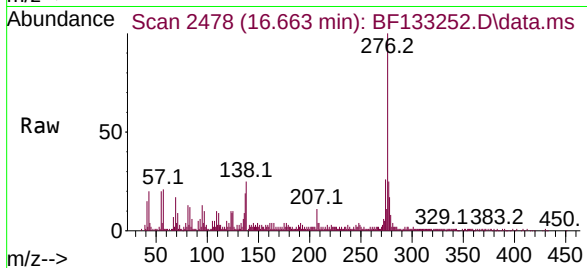
ZONE-D-0-3-05022023

Tgt Ion:276 Resp: 75744
 Ion Ratio Lower Upper
 276 100
 138 27.1 25.5 38.3
 277 25.7 20.4 30.6

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



#88

Benzo(b)fluoranthene

Concen: 12.075 ng m

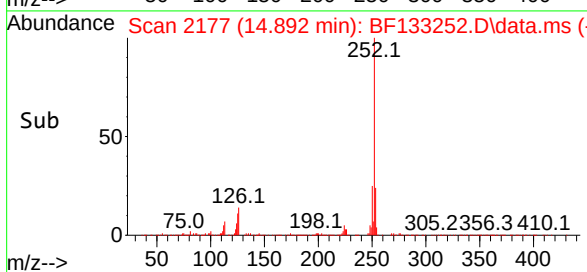
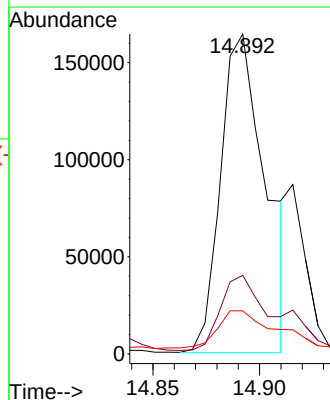
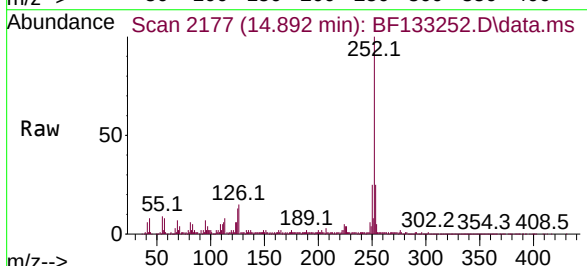
RT: 14.892 min Scan# 2177

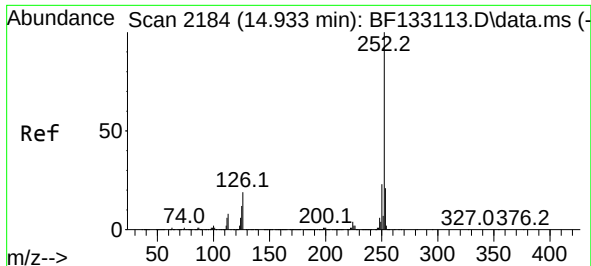
Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Tgt Ion:252 Resp: 239359
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.6 26.4
 125 13.4 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 2.742 ng m

RT: 14.916 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

Instrument :

BNA_F

ClientSampleId :

ZONE-D-0-3-05022023

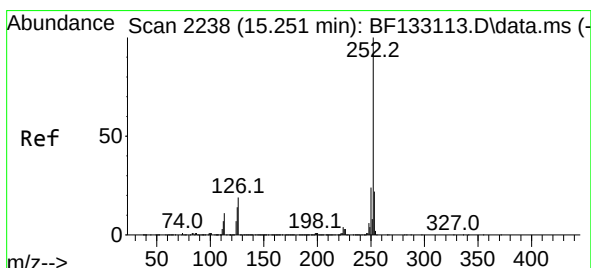
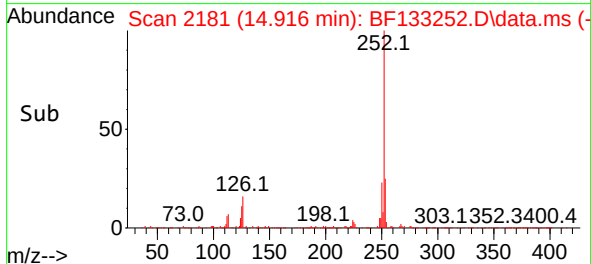
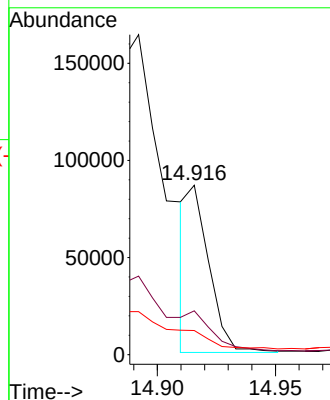
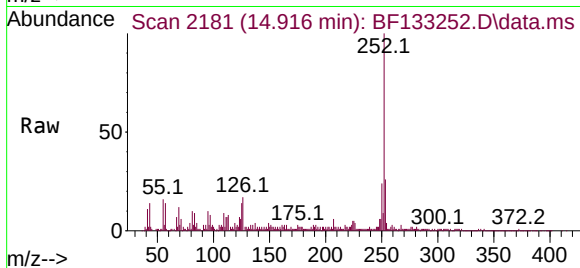
Tgt Ion:252 Resp: 5388
 Ion Ratio Lower Upper
 252 100
 253 25.9 17.7 26.5
 125 14.2 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#90

Benzo(a)pyrene

Concen: 7.992 ng

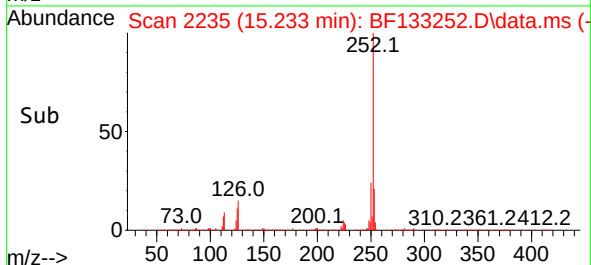
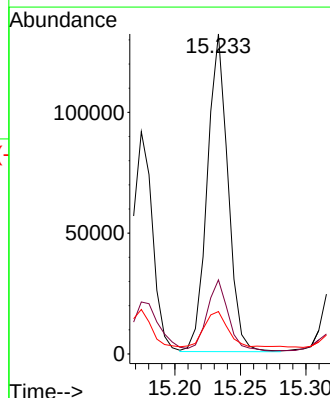
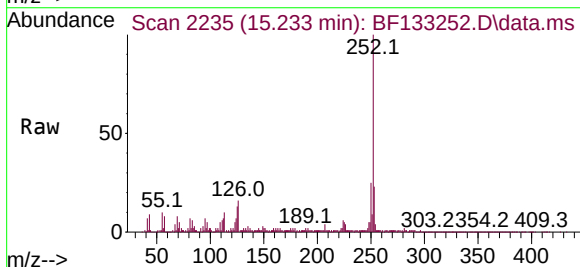
RT: 15.233 min Scan# 2235

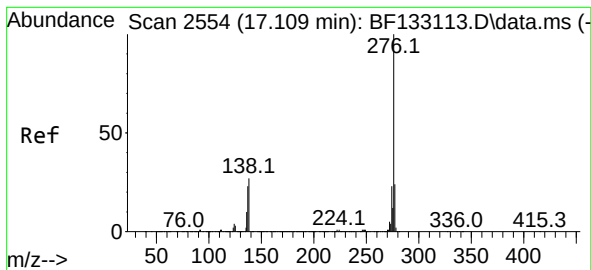
Delta R.T. -0.006 min

Lab File: BF133252.D

Acq: 05 May 2023 02:15

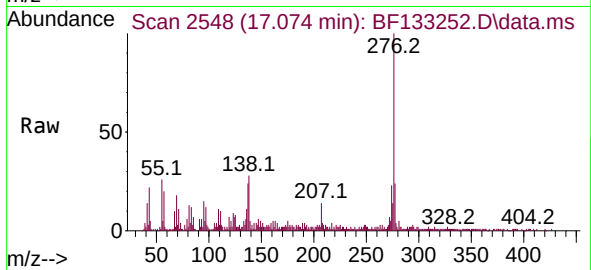
Tgt Ion:252 Resp: 144204
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.7 26.5
 125 13.3 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.715 ng
 RT: 17.074 min Scan# 2548
 Delta R.T. -0.017 min
 Lab File: BF133252.D
 Acq: 05 May 2023 02:15

Instrument : BNA_F
 ClientSampleId : ZONE-D-0-3-05022023



Tgt Ion: 276 Resp: 6881

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	27.5	22.7	34.1

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

