

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133274.D
 Acq On : 05 May 2023 20:50
 Operator : CG\JU
 Sample : 02616-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 05:51:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	181724	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	734608	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	380853	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	675902	20.000	ng	0.00
76) Chrysene-d12	13.874	240	430549	20.000	ng	0.00
86) Perylene-d12	15.292	264	385107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1048066	87.122	ng	0.00
7) Phenol-d6	6.369	99	1259102	84.325	ng	0.00
23) Nitrobenzene-d5	7.287	82	754853	55.464	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	310862	81.161	ng	-0.01
45) 2-Fluorobiphenyl	9.087	172	1001791	44.006	ng	0.00
79) Terphenyl-d14	12.827	244	955229	38.264	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	110758	3.049	ng	98
75) Fluoranthene	12.445	202	157166	4.311	ng	98
78) Pyrene	12.675	202	276457	7.490	ng	100
81) Benzo(a)anthracene	13.863	228	103390	3.492	ng	95
83) Chrysene	13.898	228	95111	3.213	ng	99
88) Benzo(b)fluoranthene	14.886	252	70426m	2.875	ng	
90) Benzo(a)pyrene	15.227	252	61937	2.777	ng	98
92) Benzo(g,h,i)perylene	17.068	276	41828	2.319	ng	94

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

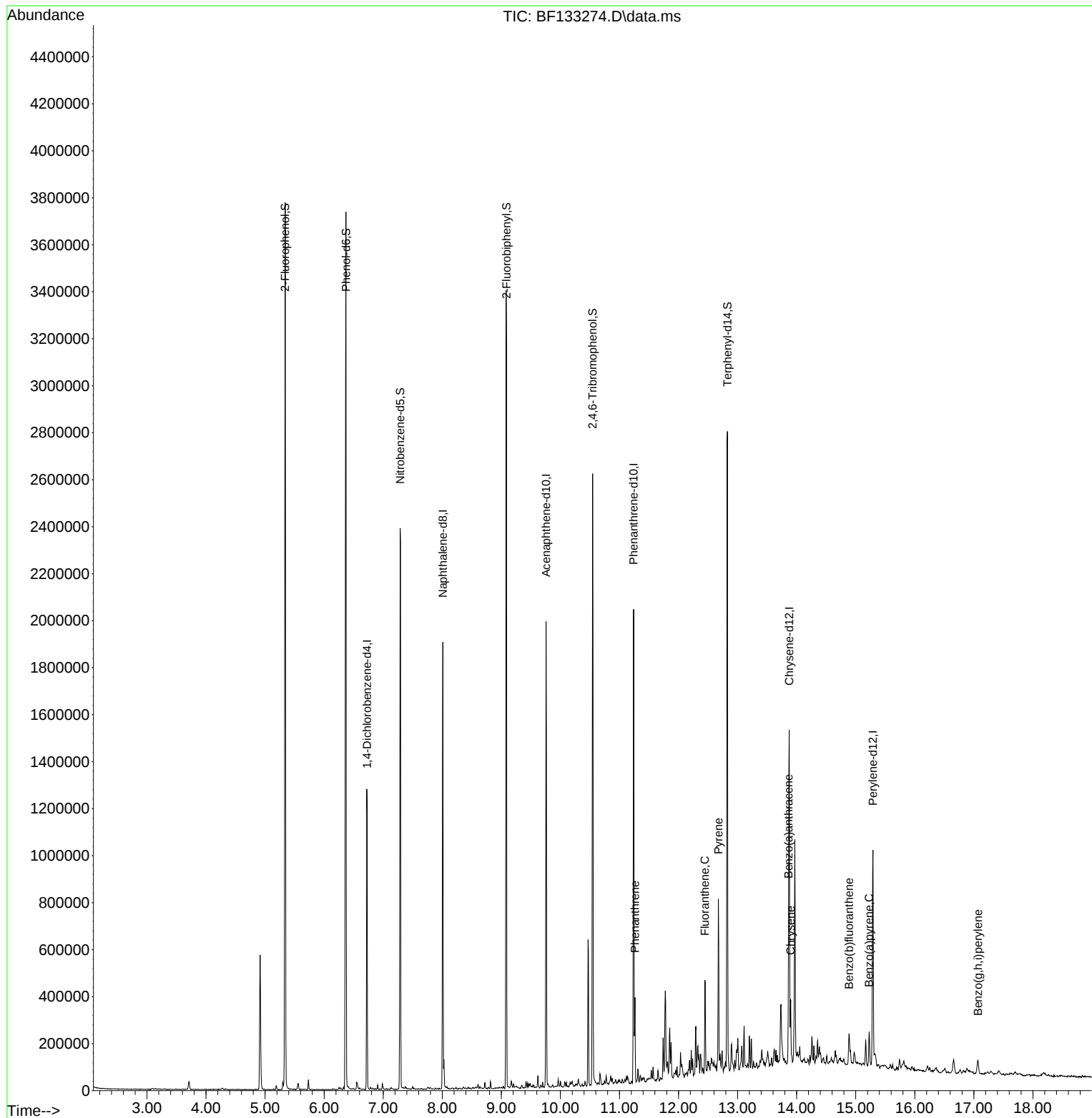
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
Data File : BF133274.D
Acq On : 05 May 2023 20:50
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Sample : 02616-01
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ALS Vial : 11 Sample Multiplier: 1

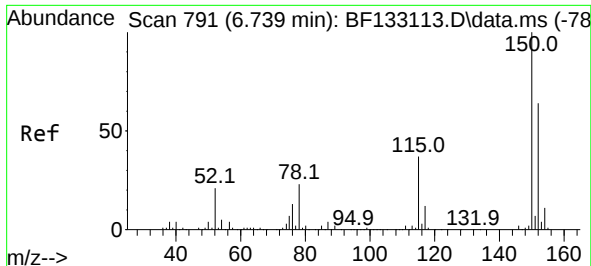
Instrument :
BNA_F
ClientSampleId :
SP-1

Quant Time: May 06 05:51:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 10:49:34 2023
Response via : Initial Calibration

Manual Integrations
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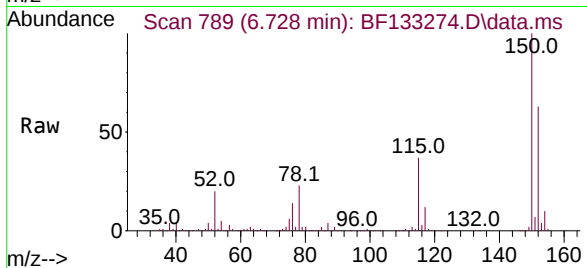
Reviewed By : Christian Giraldo 05/08/2023
Supervised By : Jagrut Upadhyay 05/08/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: BF133274.D
 Acq: 05 May 2023 20:50

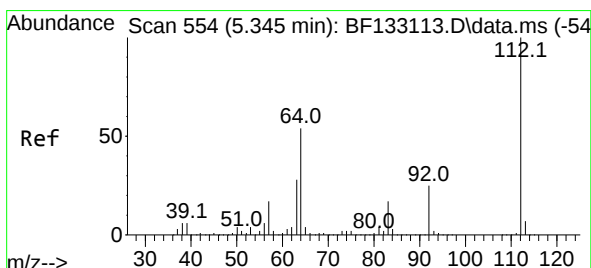
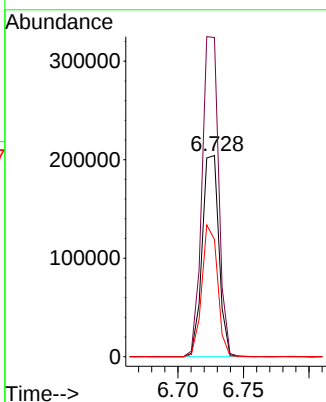
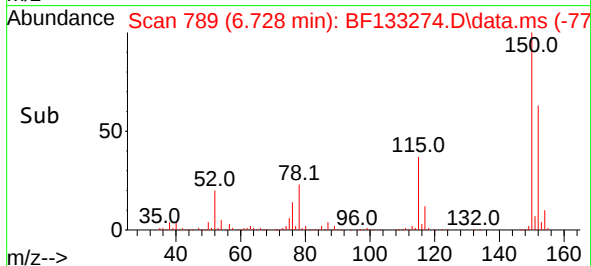
Instrument :
 BNA_F
 ClientSampleId :
 SP-1



Tgt Ion:152 Resp: 181724
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.8 187.2
 115 58.3 49.9 74.9

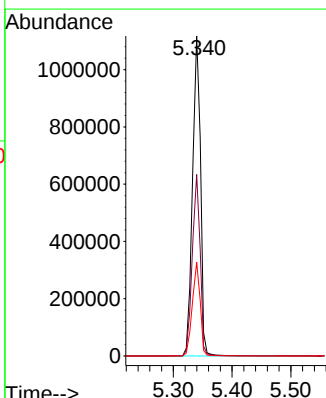
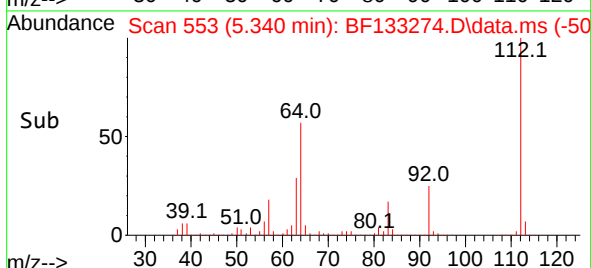
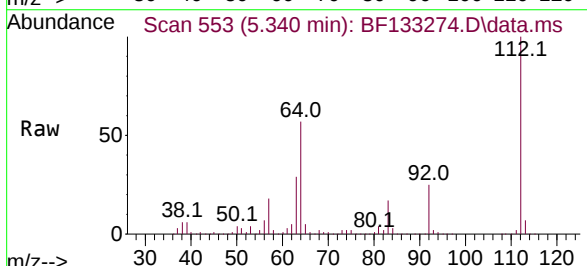
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#5
 2-Fluorophenol
 Concen: 87.122 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF133274.D
 Acq: 05 May 2023 20:50

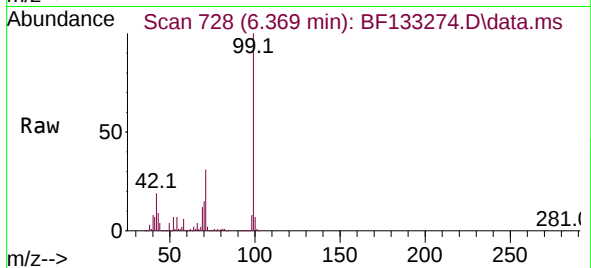
Tgt Ion:112 Resp: 1048066
 Ion Ratio Lower Upper
 112 100
 64 56.7 46.8 70.2
 63 29.4 23.8 35.8





#7
Phenol-d6
Concen: 84.325 ng
RT: 6.369 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

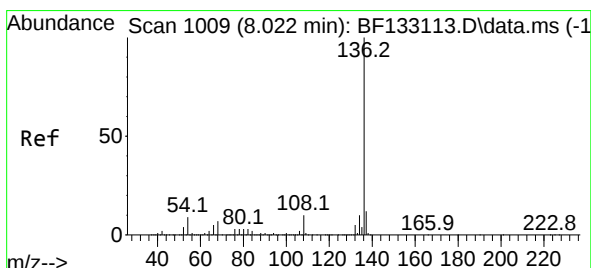
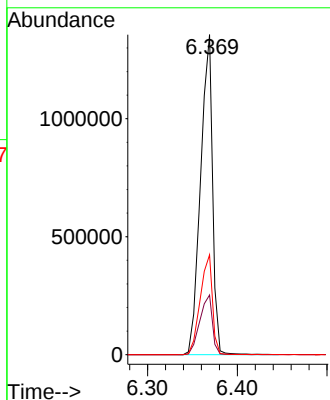
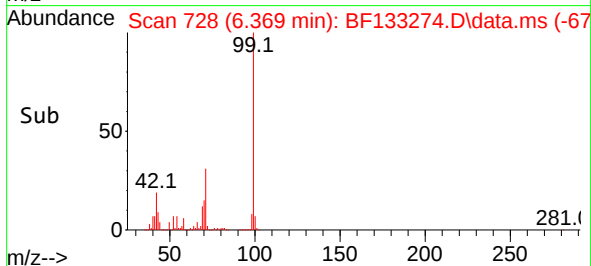
Instrument :
BNA_F
ClientSampleId :
SP-1



Tgt Ion: 99 Resp: 125910
Ion Ratio Lower Upper
99 100
42 18.6 16.3 24.5
71 31.2 25.6 38.4

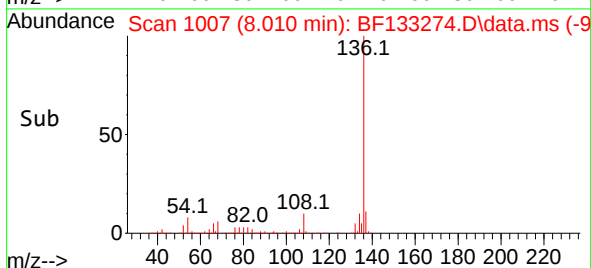
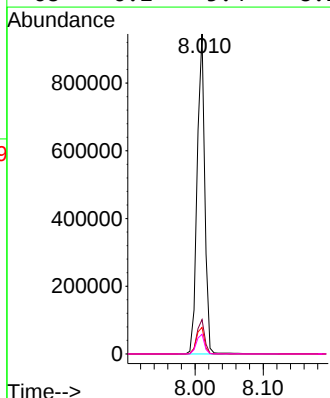
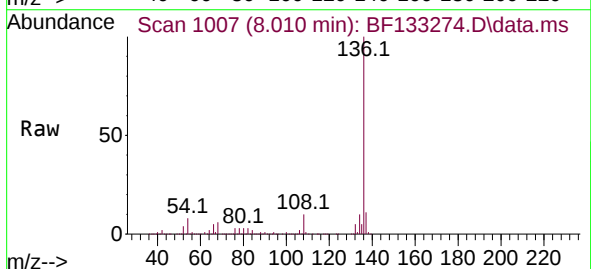
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

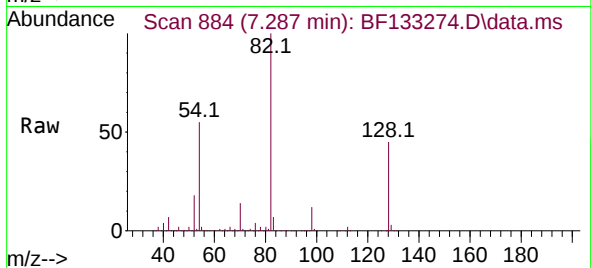
Tgt Ion:136 Resp: 734608
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 7.0 10.4
68 6.2 5.4 8.2





#23
Nitrobenzene-d5
Concen: 55.464 ng
RT: 7.287 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

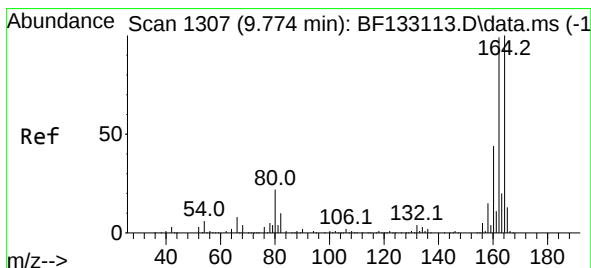
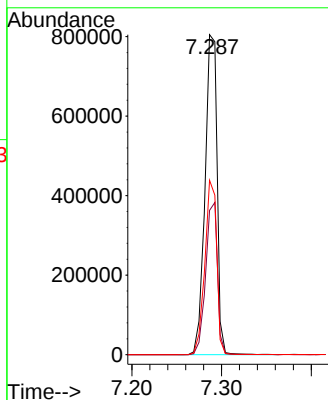
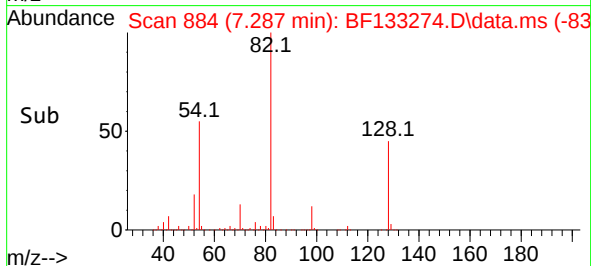
Instrument :
BNA_F
ClientSampleId :
SP-1



Tgt Ion: 82 Resp: 75485
Ion Ratio Lower Upper
82 100
128 45.1 37.7 56.5
54 54.5 43.0 64.4

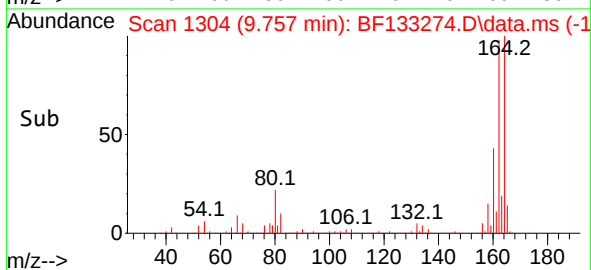
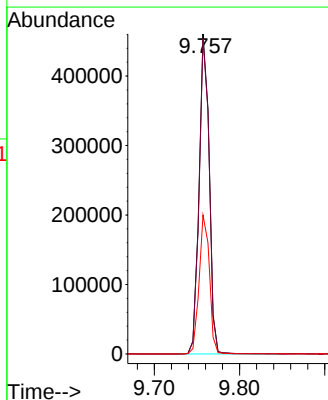
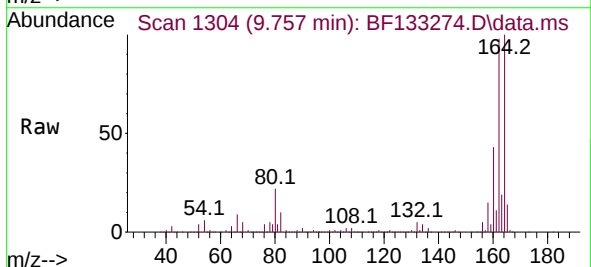
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

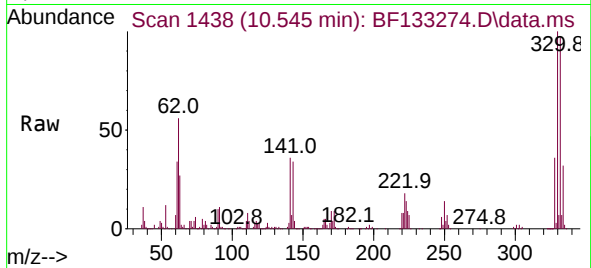
Tgt Ion:164 Resp: 380853
Ion Ratio Lower Upper
164 100
162 98.5 78.7 118.1
160 43.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 81.161 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

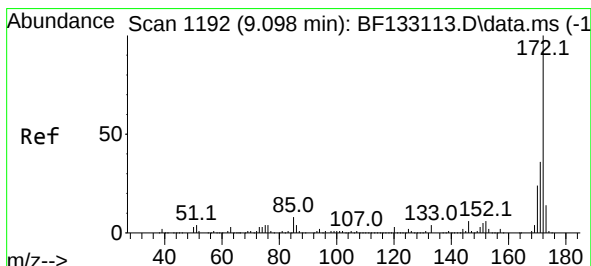
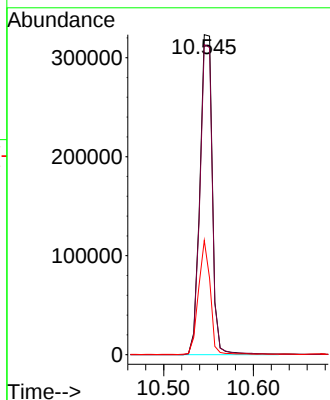
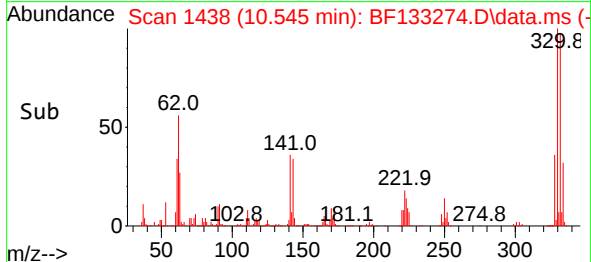
Instrument :
BNA_F
ClientSampleId :
SP-1



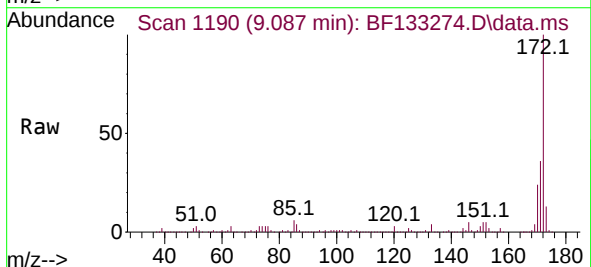
Tgt Ion: 330 Resp: 310862
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 33.4 25.8 38.8

Manual Integrations
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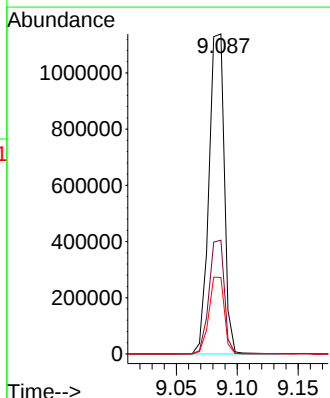
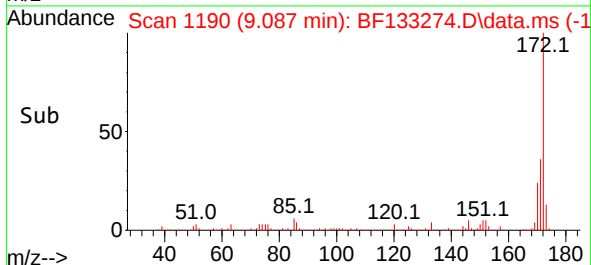
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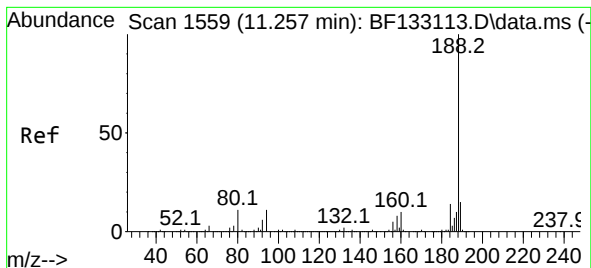


#45
2-Fluorobiphenyl
Concen: 44.006 ng
RT: 9.087 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50



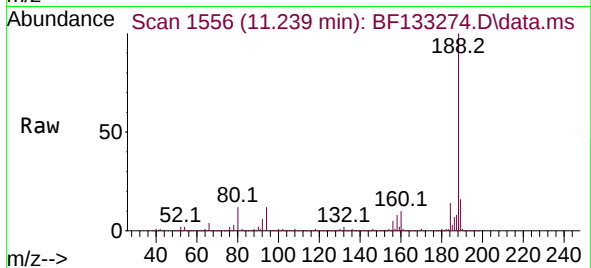
Tgt Ion: 172 Resp: 1001791
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

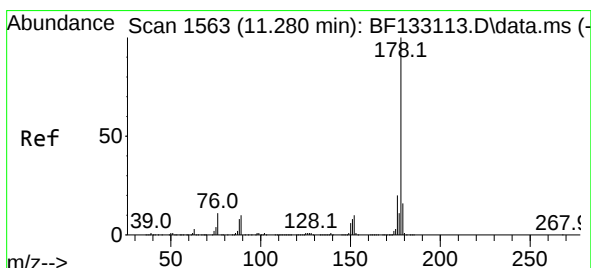
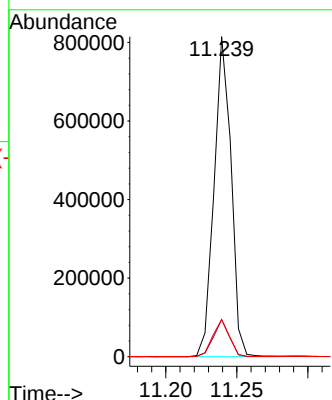
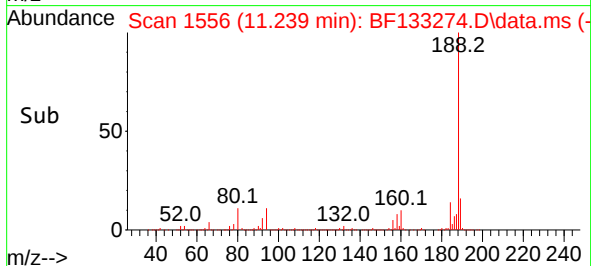
Instrument :
BNA_F
ClientSampleId :
SP-1



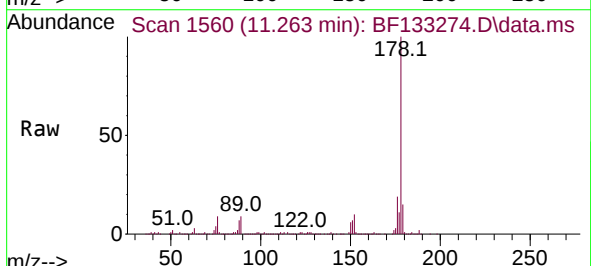
Tgt Ion:188 Resp: 675902
Ion Ratio Lower Upper
188 100
94 11.6 9.7 14.5
80 11.6 10.4 15.6

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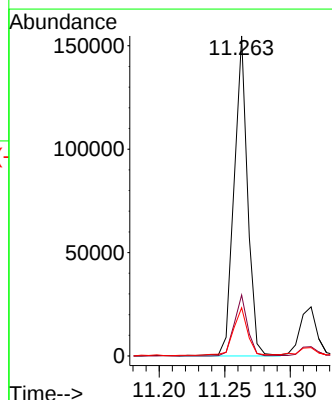
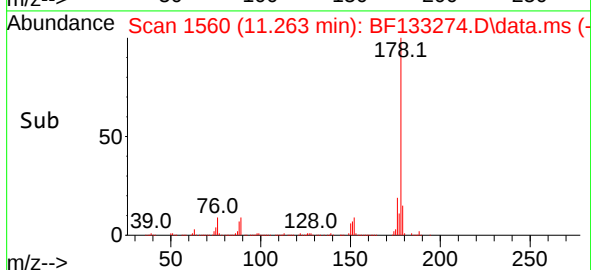
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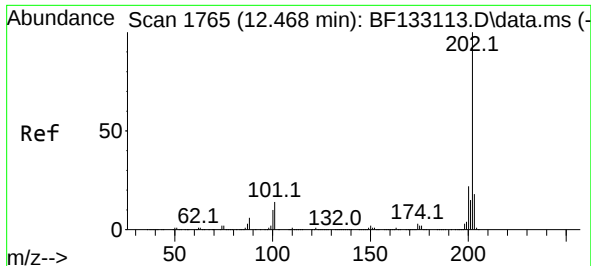


#71
Phenanthrene
Concen: 3.049 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50



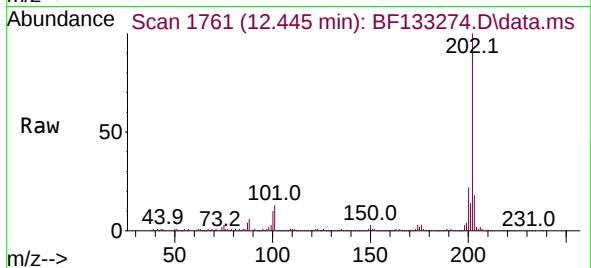
Tgt Ion:178 Resp: 110758
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 4.311 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

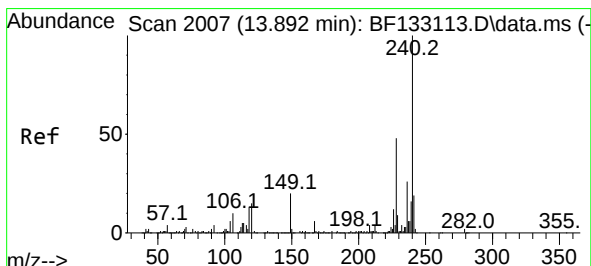
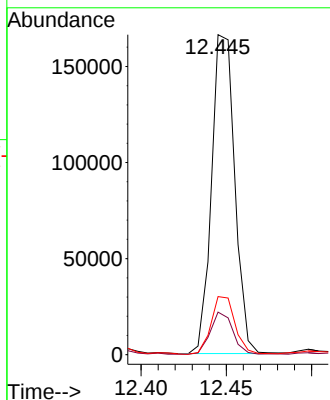
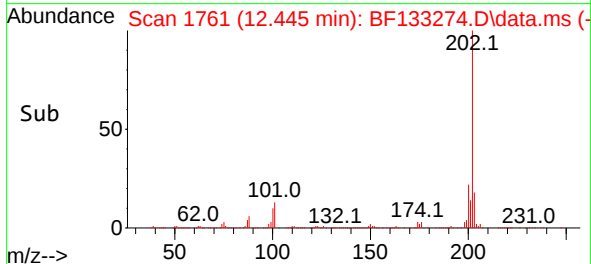
Instrument :
BNA_F
ClientSampleId :
SP-1



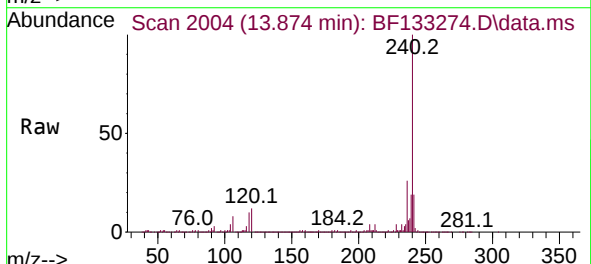
Tgt Ion:202 Resp: 157160
Ion Ratio Lower Upper
202 100
101 13.3 0.0 35.3
203 18.2 0.0 38.1

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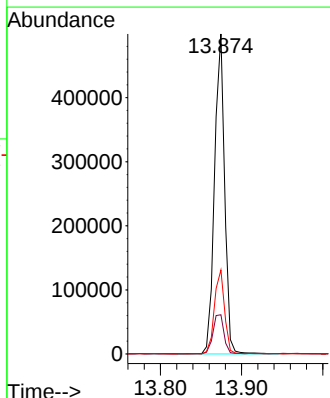
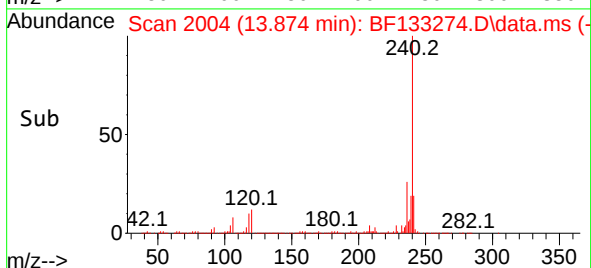
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Supervised By :Jagrut Upadhyay 05/08/2023

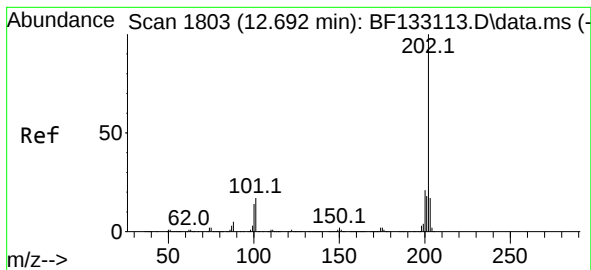


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50



Tgt Ion:240 Resp: 430549
Ion Ratio Lower Upper
240 100
120 12.2 10.5 15.7
236 26.2 21.5 32.3





#78

Pyrene

Concen: 7.490 ng

RT: 12.675 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133274.D

Acq: 05 May 2023 20:50

Instrument :

BNA_F

ClientSampleId :

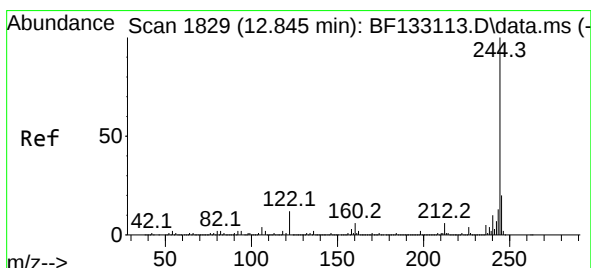
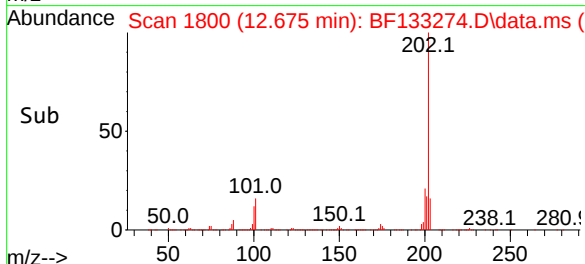
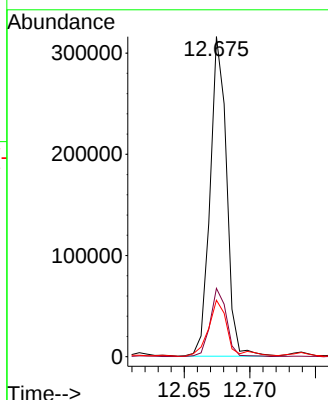
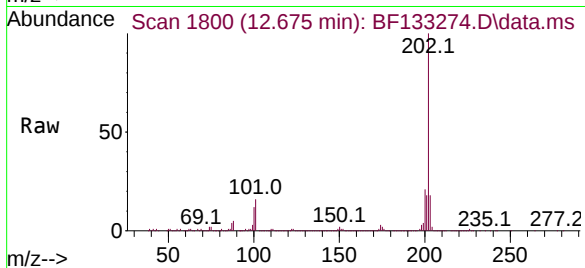
SP-1

Tgt Ion:202	Resp: 27645
Ion Ratio	Lower Upper
202 100	
200 21.4	17.1 25.7
203 17.7	14.1 21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 38.264 ng

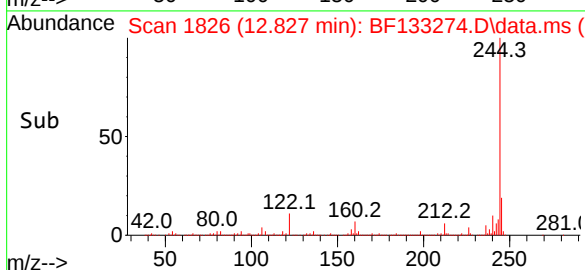
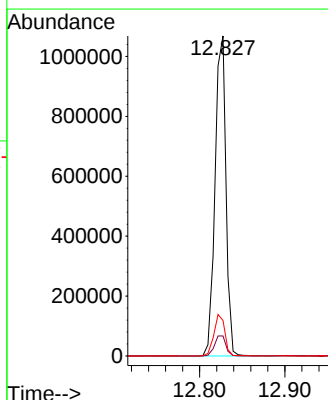
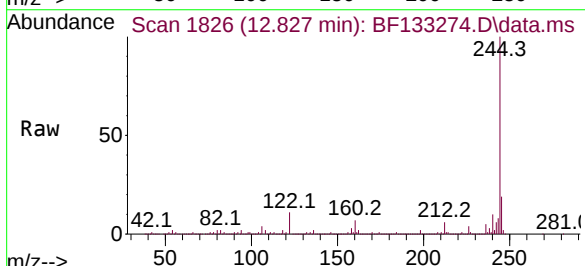
RT: 12.827 min Scan# 1826

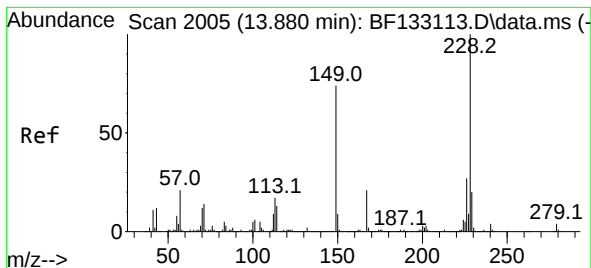
Delta R.T. -0.006 min

Lab File: BF133274.D

Acq: 05 May 2023 20:50

Tgt Ion:244	Resp: 955229
Ion Ratio	Lower Upper
244 100	
212 6.2	5.1 7.7
122 11.1	8.6 13.0





#81

Benzo(a)anthracene

Concen: 3.492 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133274.D

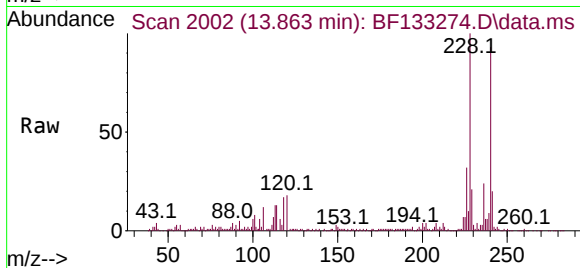
Acq: 05 May 2023 20:50

Instrument :

BNA_F

ClientSampleId :

SP-1



Tgt Ion:228 Resp: 103390

Ion Ratio Lower Upper

228 100

226 31.8 22.2 33.4

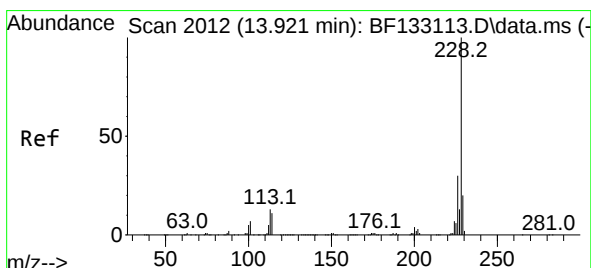
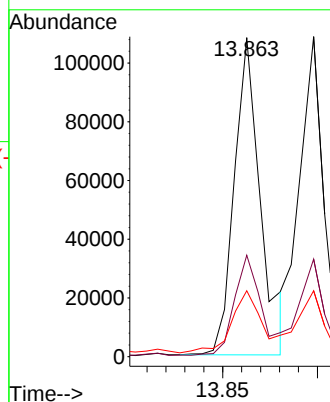
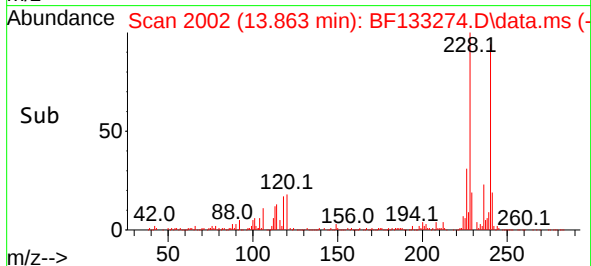
229 20.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#83

Chrysene

Concen: 3.213 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133274.D

Acq: 05 May 2023 20:50

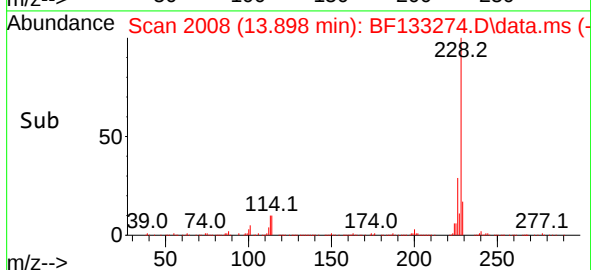
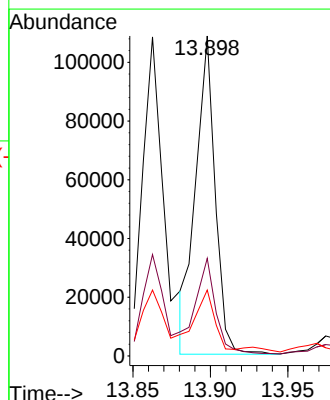
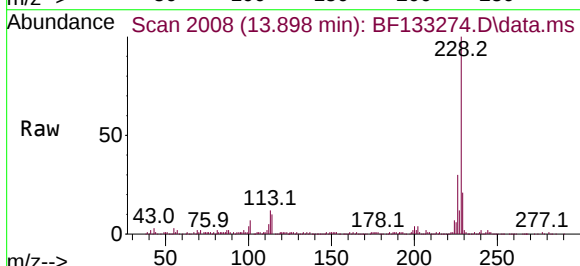
Tgt Ion:228 Resp: 95111

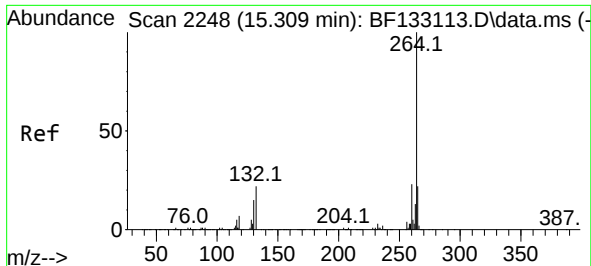
Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

229 20.6 16.1 24.1





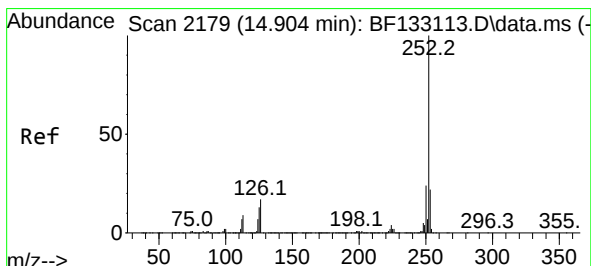
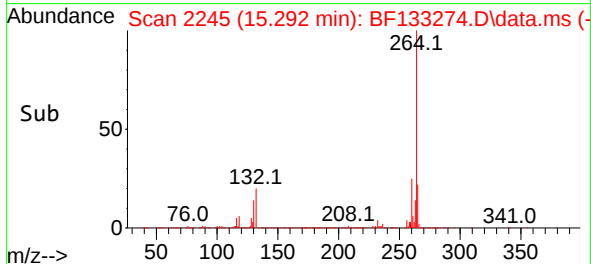
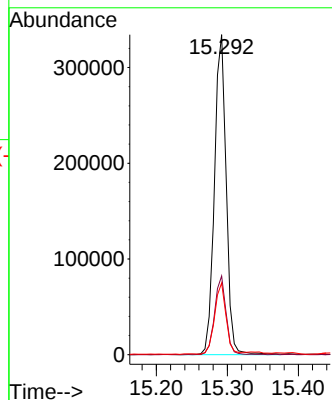
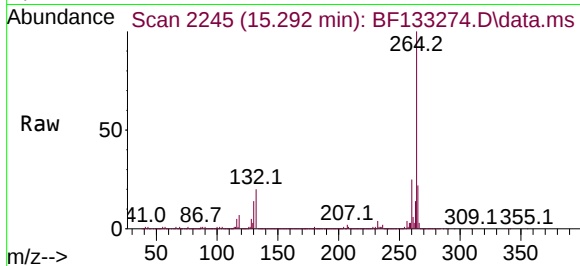
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

Instrument :
BNA_F
ClientSampleId :
SP-1

Tgt Ion:264 Resp: 38510
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 22.4 17.0 25.4

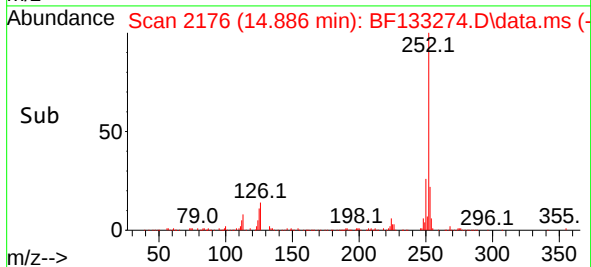
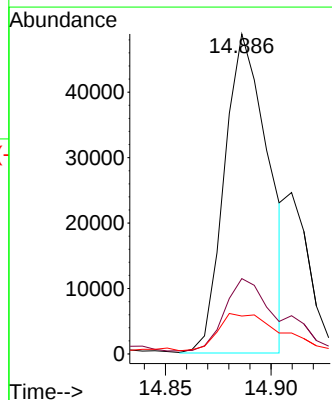
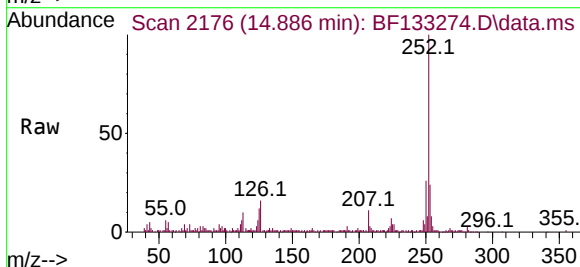
Manual Integrations
APPROVED

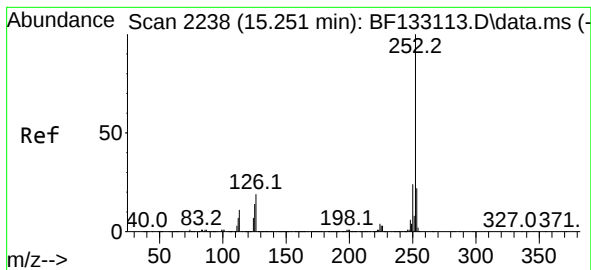
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#88
Benzo(b)fluoranthene
Concen: 2.875 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

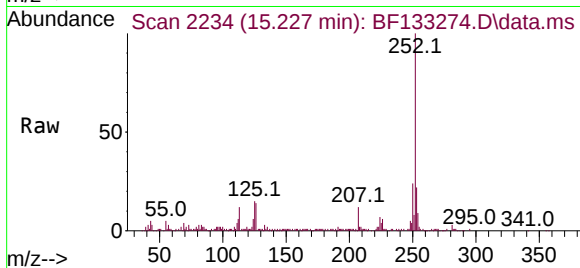
Tgt Ion:252 Resp: 70426
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 11.9 8.9 13.3





#90
Benzo(a)pyrene
Concen: 2.777 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

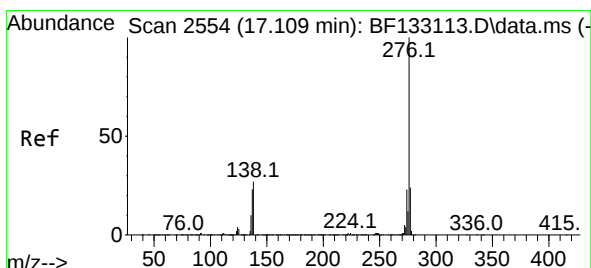
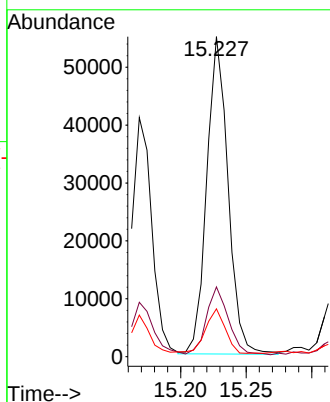
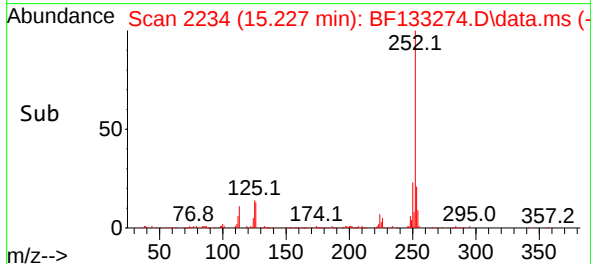
Instrument :
BNA_F
ClientSampleId :
SP-1



Tgt Ion:252 Resp: 6193
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 14.9 10.5 15.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#92
Benzo(g,h,i)perylene
Concen: 2.319 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.023 min
Lab File: BF133274.D
Acq: 05 May 2023 20:50

Tgt Ion:276 Resp: 41828
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.0
138 23.0 22.7 34.1

