

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132227.D
 Acq On : 31 Jan 2023 00:04
 Operator : CG\JU
 Sample : 01318-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DR-1-012523

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/31/2023
 Supervised By : Jagrut Upadhyay 01/31/2023

Quant Time: Jan 31 02:32:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.078	152	190100	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	643624	20.000	ng	0.00
39) Acenaphthene-d10	10.131	164	280796	20.000	ng	0.00
64) Phenanthrene-d10	11.630	188	471192	20.000	ng	0.00
76) Chrysene-d12	14.289	240	340056	20.000	ng	0.00
86) Perylene-d12	15.883	264	267744	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	1022808	89.519	ng	0.00
7) Phenol-d6	6.690	99	1376728	96.100	ng	0.00
23) Nitrobenzene-d5	7.642	82	863146	70.209	ng	0.00
42) 2,4,6-Tribromophenol	10.919	330	190939	73.434	ng	-0.01
45) 2-Fluorobiphenyl	9.442	172	1365906	71.577	ng	0.00
79) Terphenyl-d14	13.224	244	1265141	58.452	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.654	178	551666	23.014	ng	98
72) Anthracene	11.701	178	115014	4.712	ng	96
75) Fluoranthene	12.854	202	926562	37.990	ng	98
78) Pyrene	13.083	202	890487	27.949	ng	98
81) Benzo(a)anthracene	14.283	228	416176	17.406	ng	99
83) Chrysene	14.318	228	386029	17.325	ng	97
87) Indeno(1,2,3-cd)pyrene	17.536	276	133893	7.564	ng	# 93
88) Benzo(b)fluoranthene	15.401	252	380936m	23.165	ng	
89) Benzo(k)fluoranthene	15.430	252	115899m	6.831	ng	
90) Benzo(a)pyrene	15.812	252	265295	17.094	ng	97
91) Dibenzo(a,h)anthracene	17.554	278	33932	2.344	ng	# 74
92) Benzo(g,h,i)perylene	18.042	276	135537	9.185	ng	99

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

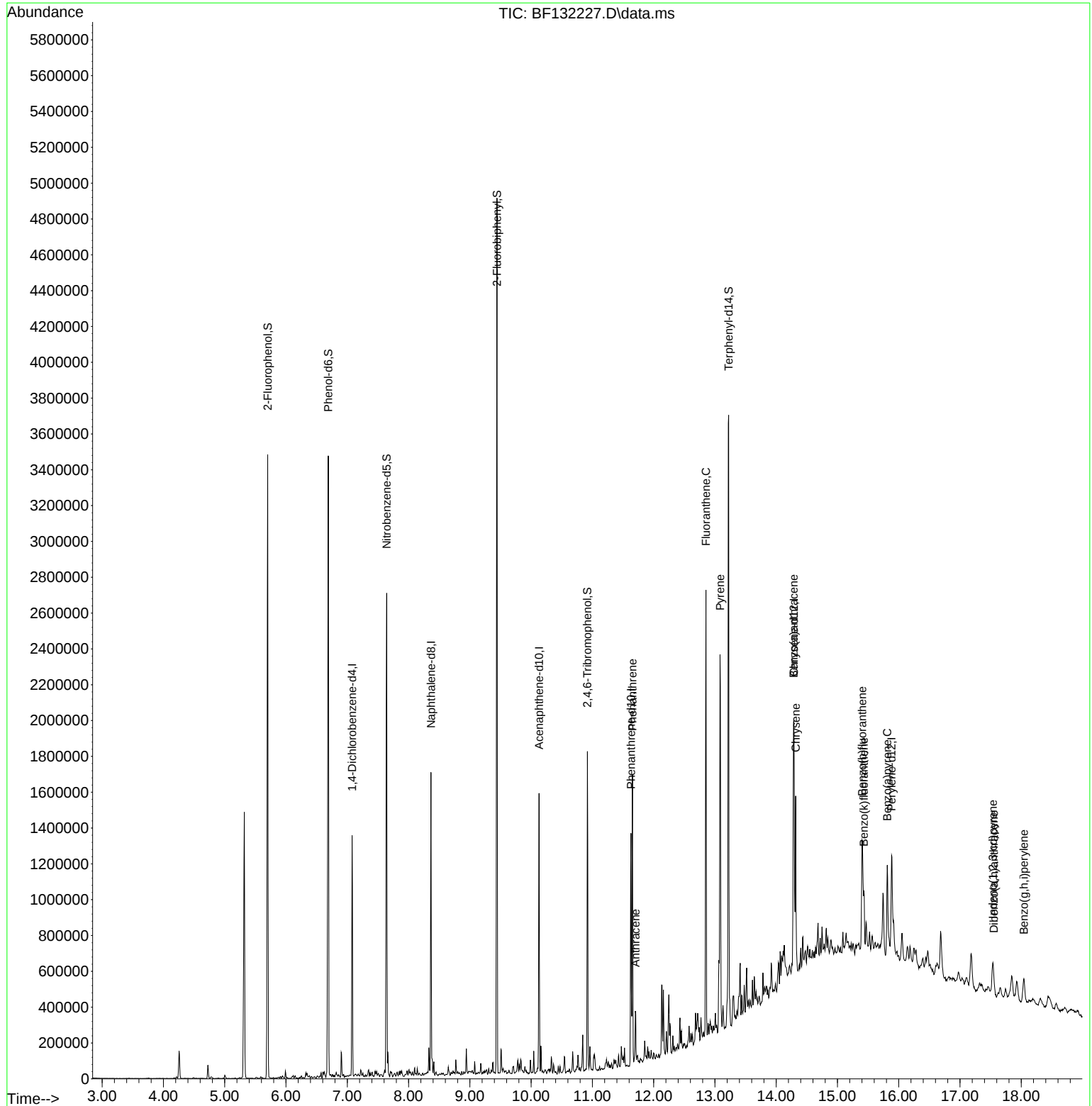
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132227.D
Acq On : 31 Jan 2023 00:04
Operator : CG\JU
Sample : 01318-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

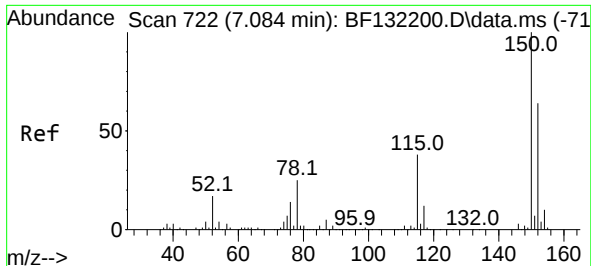
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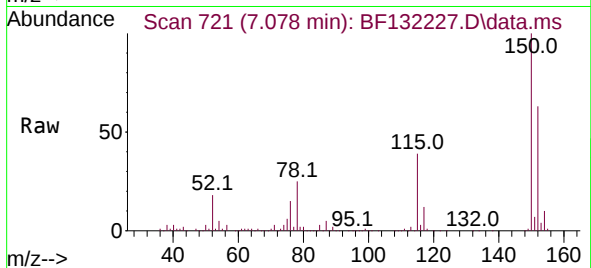
Quant Time: Jan 31 02:32:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 02:25:45 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.078 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

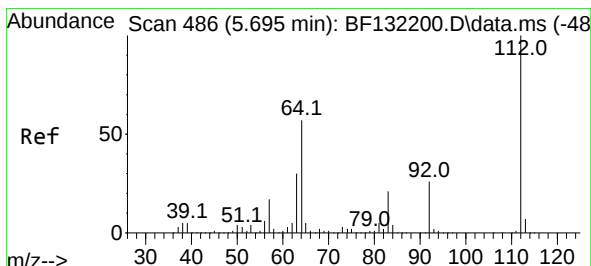
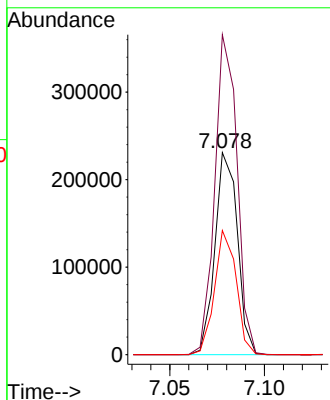
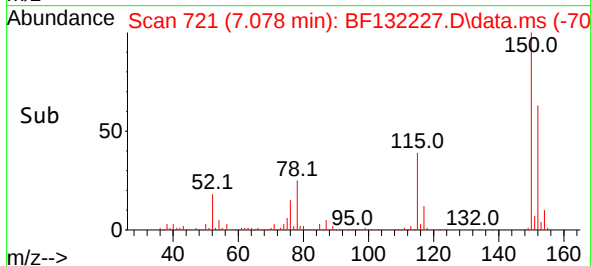
Instrument :
BNA_F
ClientSampleId :
DR-1-012523



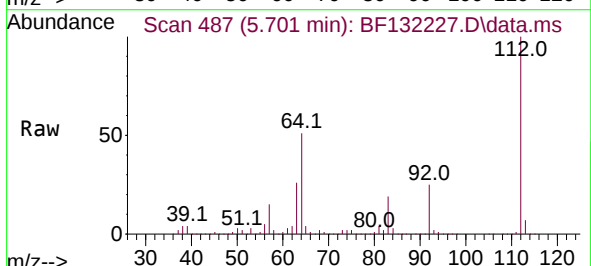
Tgt Ion:152 Resp: 190100
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 61.5 47.0 70.6

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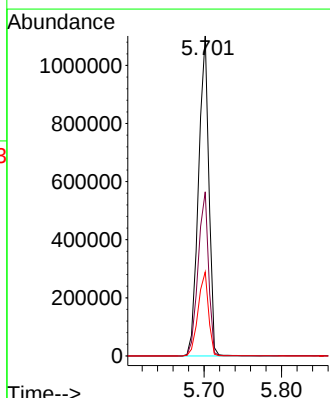
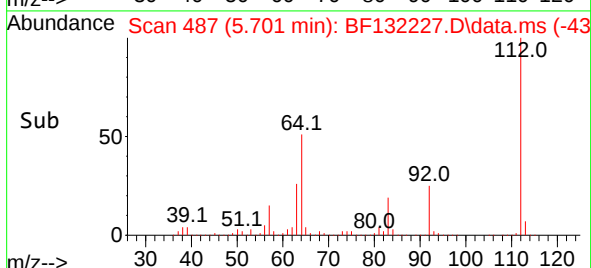
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

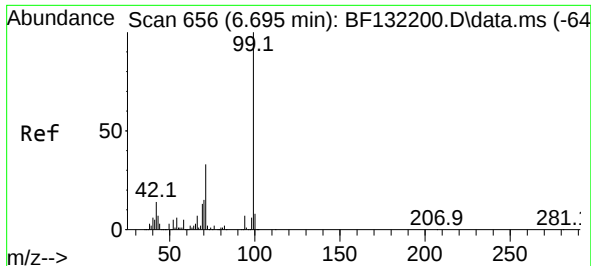


#5
2-Fluorophenol
Concen: 89.519 ng
RT: 5.701 min Scan# 487
Delta R.T. 0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04



Tgt Ion:112 Resp: 1022808
Ion Ratio Lower Upper
112 100
64 51.3 45.5 68.3
63 26.2 23.7 35.5





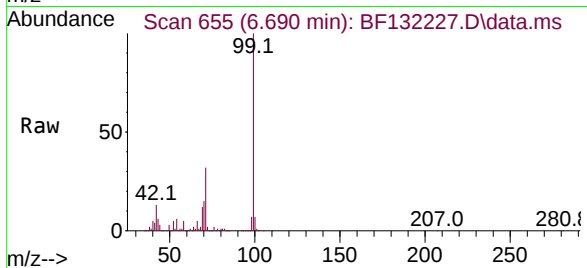
#7
Phenol-d6
Concen: 96.100 ng
RT: 6.690 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

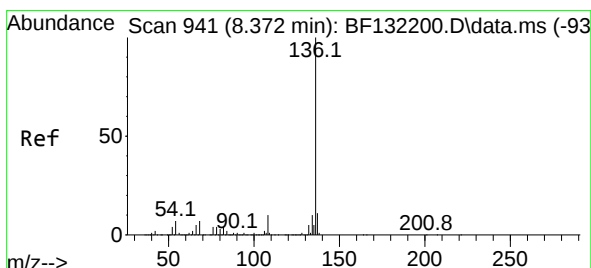
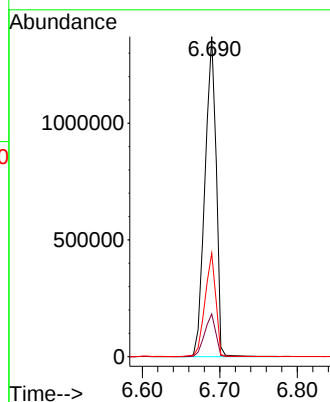
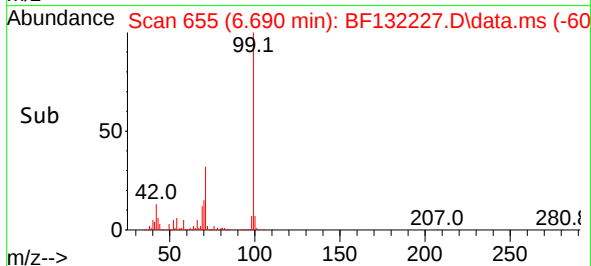


Tgt Ion: 99 Resp: 1376728
Ion Ratio Lower Upper
99 100
42 13.3 11.3 16.9
71 32.3 26.3 39.5

Manual Integrations

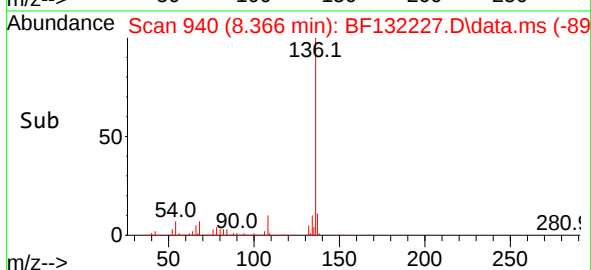
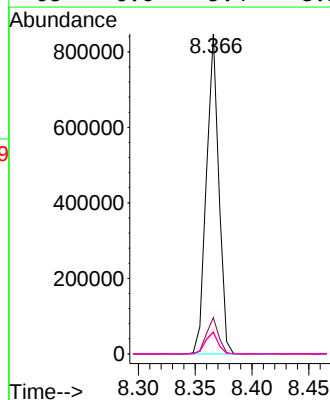
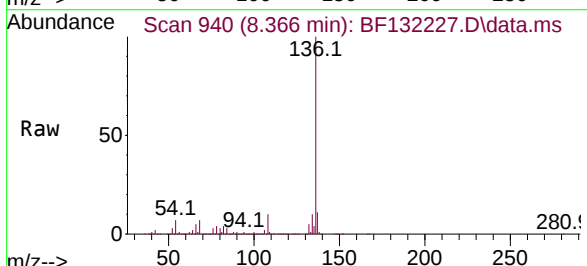
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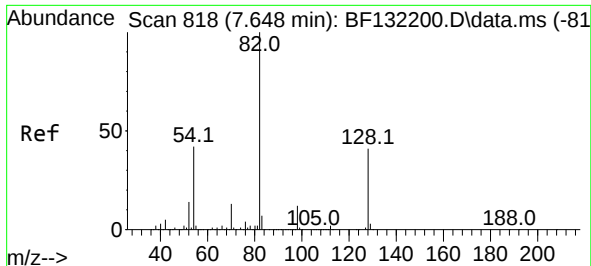
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

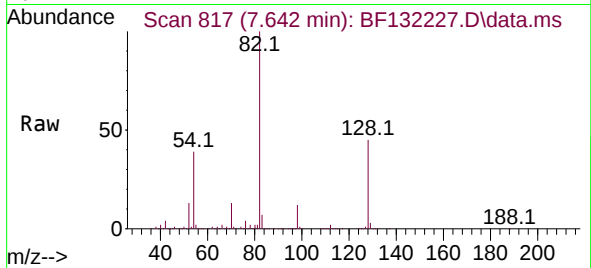
Tgt Ion:136 Resp: 643624
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 6.9 5.4 8.2
68 6.6 5.4 8.2





#23
Nitrobenzene-d5
Concen: 70.209 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

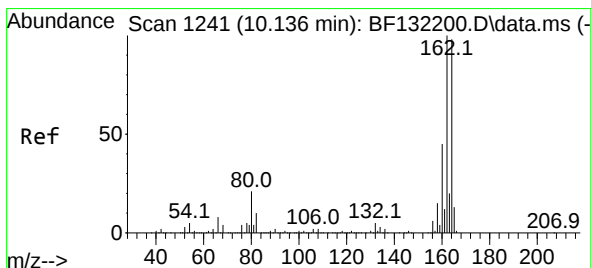
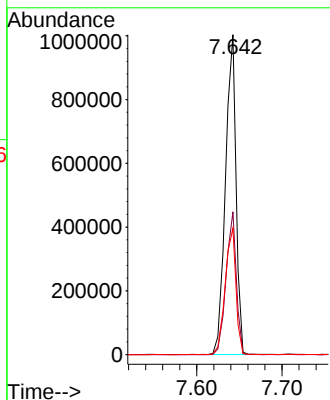
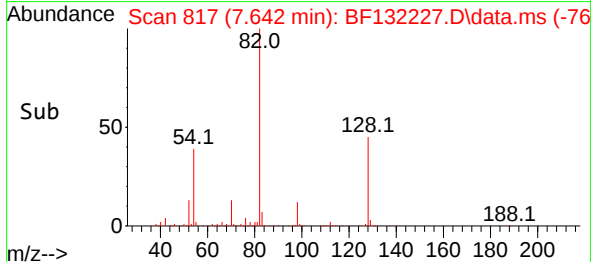
Instrument :
BNA_F
ClientSampleId :
DR-1-012523



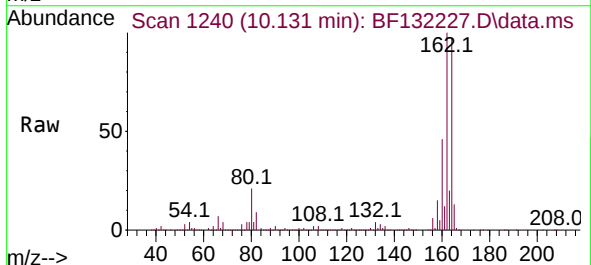
Tgt Ion: 82 Resp: 863146
Ion Ratio Lower Upper
82 100
128 44.6 32.7 49.1
54 39.5 33.3 49.9

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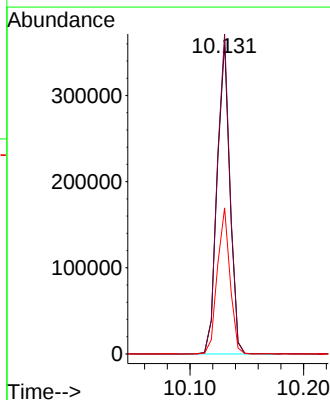
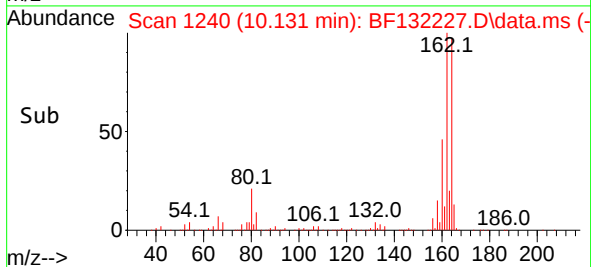
Reviewed By :Christian Giraldo 01/31/2023
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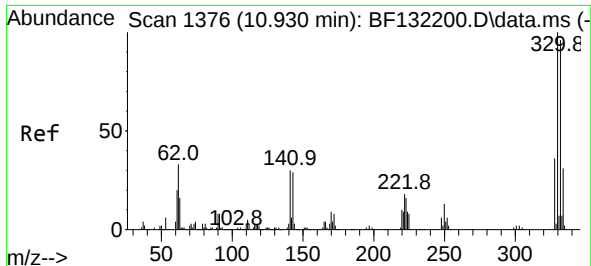


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.131 min Scan# 1240
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04



Tgt Ion:164 Resp: 280796
Ion Ratio Lower Upper
164 100
162 102.6 81.5 122.3
160 46.8 37.0 55.4





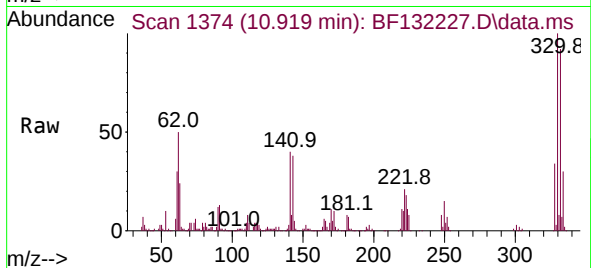
#42
2,4,6-Tribromophenol
Concen: 73.434 ng
RT: 10.919 min Scan# 1374
Delta R.T. -0.012 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

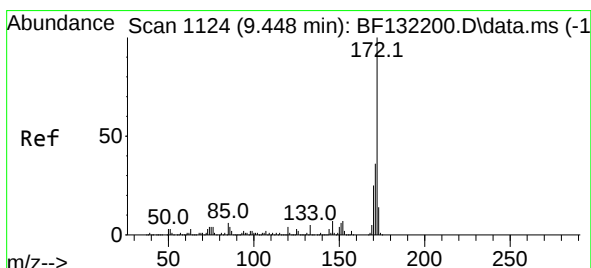
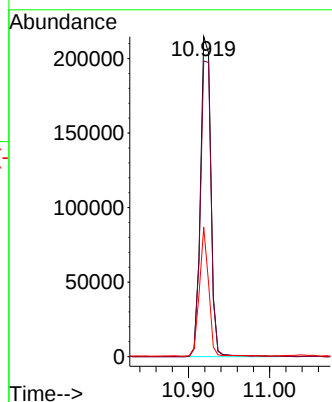
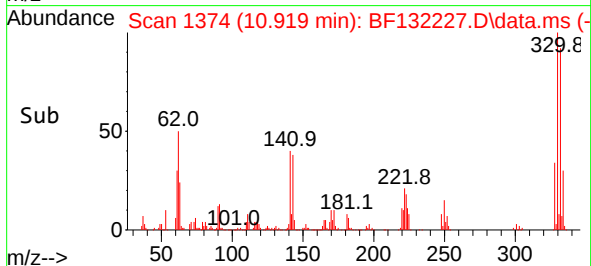


Tgt Ion:330 Resp: 190939
Ion Ratio Lower Upper
330 100
332 94.7 75.7 113.5
141 35.3 30.7 46.1

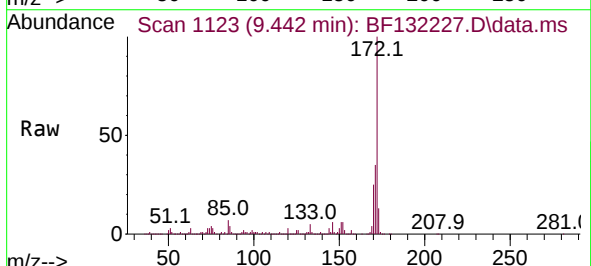
Manual Integrations

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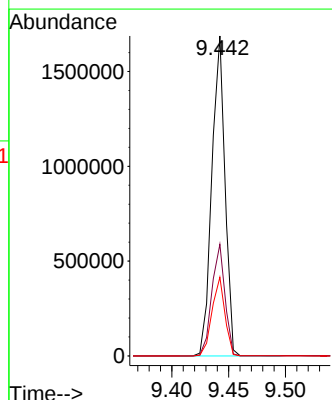
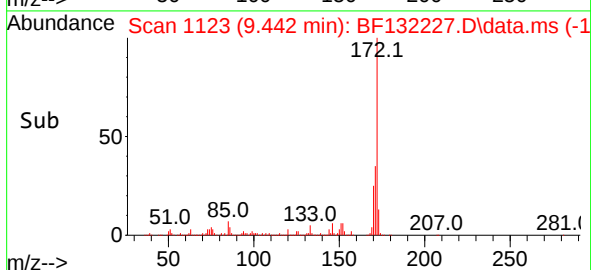
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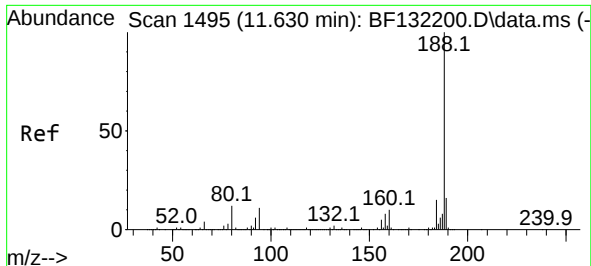


#45
2-Fluorobiphenyl
Concen: 71.577 ng
RT: 9.442 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04



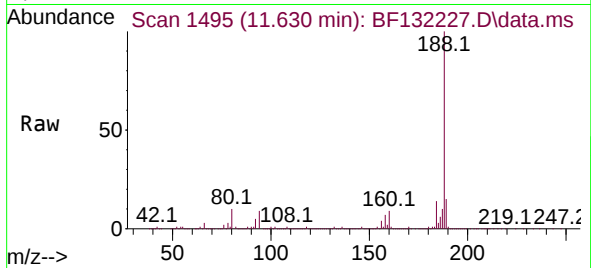
Tgt Ion:172 Resp: 1365906
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 24.6 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.630 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

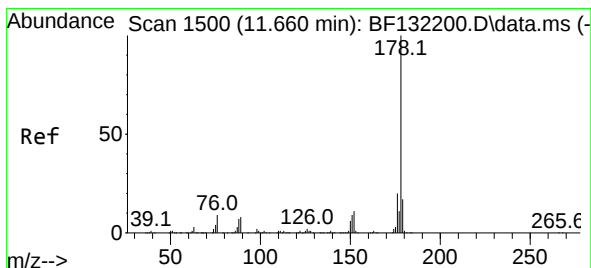
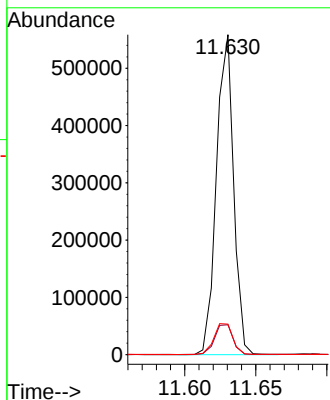
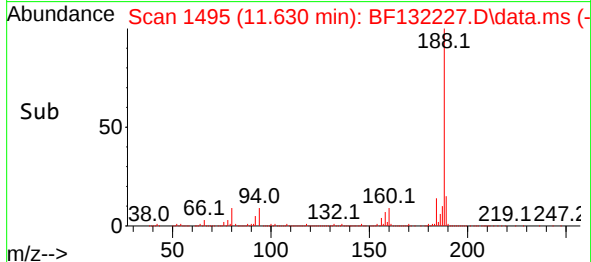
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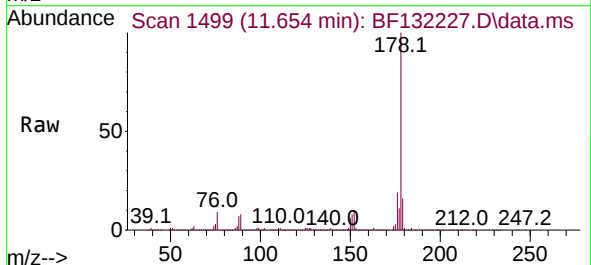
Tgt Ion:188 Resp: 471192
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.5 9.2 13.8

Manual Integrations
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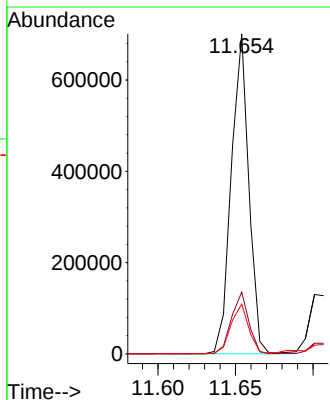
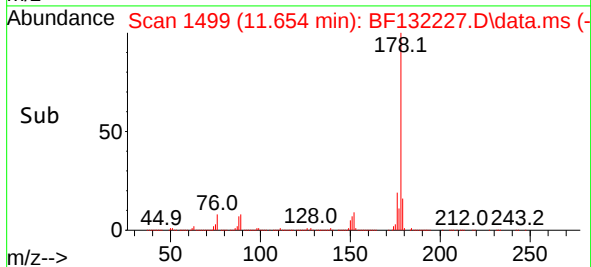
Reviewed By :Christian Giraldo 01/31/2023
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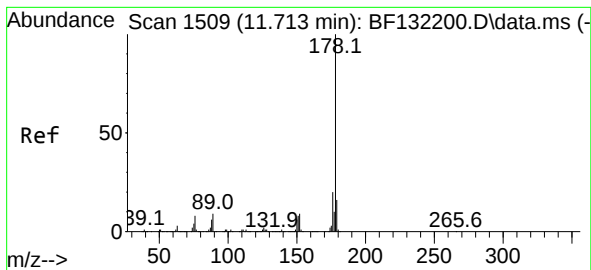


#71
Phenanthrene
Concen: 23.014 ng
RT: 11.654 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04



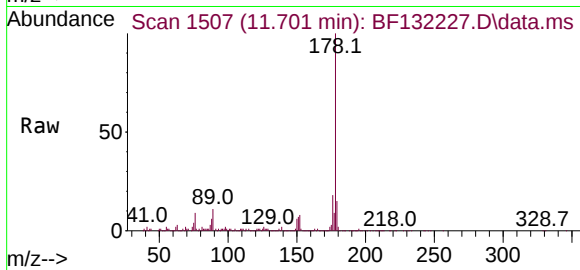
Tgt Ion:178 Resp: 551666
Ion Ratio Lower Upper
178 100
176 19.3 16.4 24.6
179 15.6 13.3 19.9





#72
 Anthracene
 Concen: 4.712 ng
 RT: 11.701 min Scan# 115014
 Delta R.T. -0.012 min
 Lab File: BF132227.D
 Acq: 31 Jan 2023 00:04

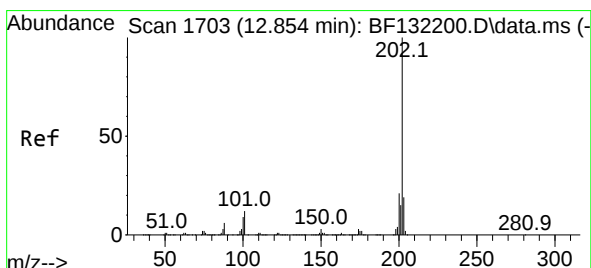
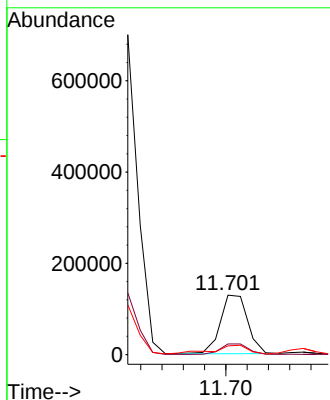
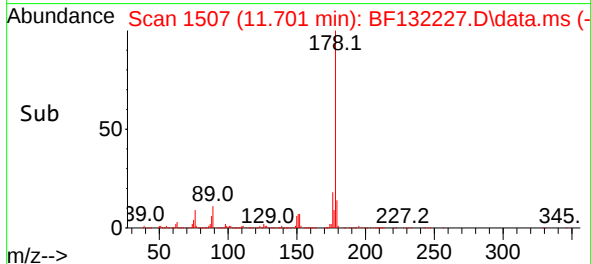
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Tgt Ion:178 Resp: 115014
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.8 23.8
 179 14.7 13.0 19.6

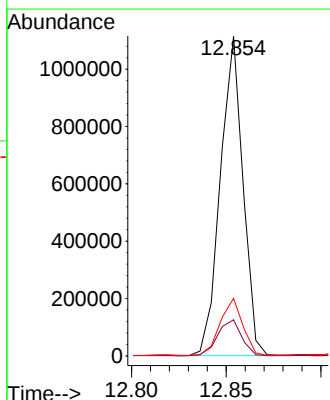
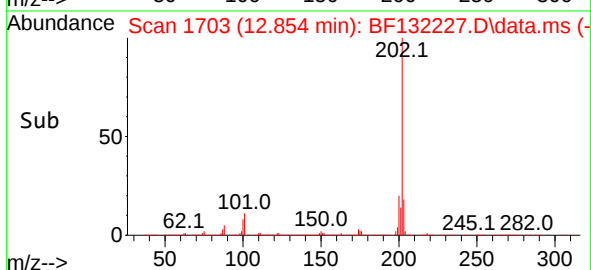
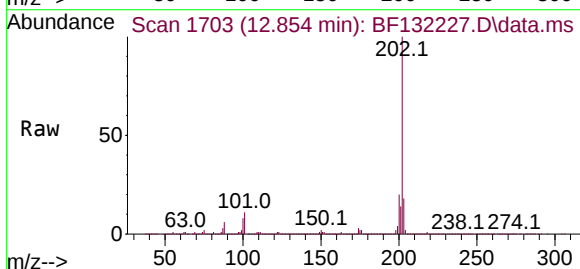
Manual Integrations
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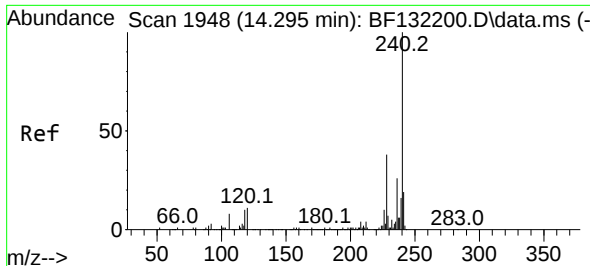
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023



#75
 Fluoranthene
 Concen: 37.990 ng
 RT: 12.854 min Scan# 1703
 Delta R.T. -0.000 min
 Lab File: BF132227.D
 Acq: 31 Jan 2023 00:04

Tgt Ion:202 Resp: 926562
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.5
 203 18.0 0.0 38.8





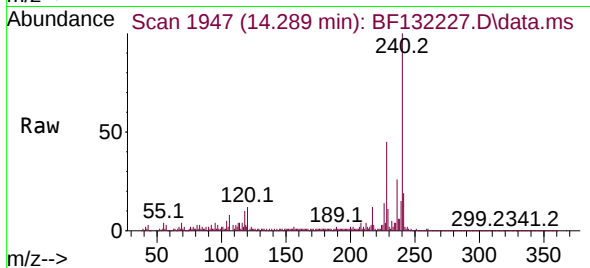
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.289 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

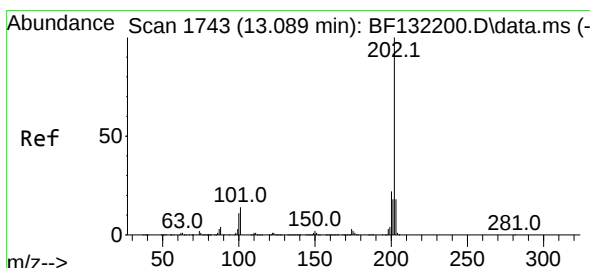
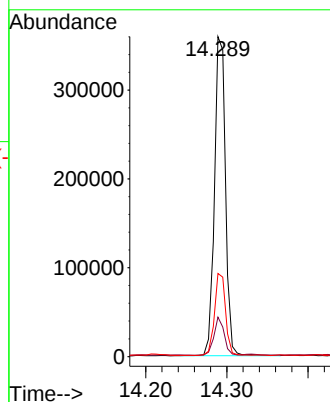
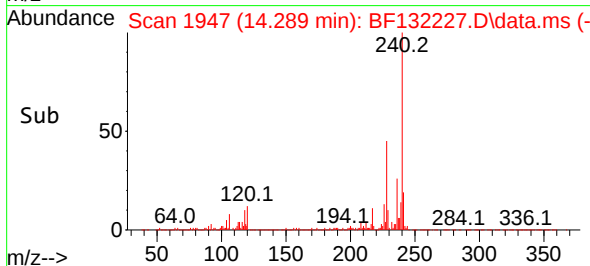


Tgt Ion:240 Resp: 340056
Ion Ratio Lower Upper
240 100
120 12.3 9.0 13.4
236 26.0 20.8 31.2

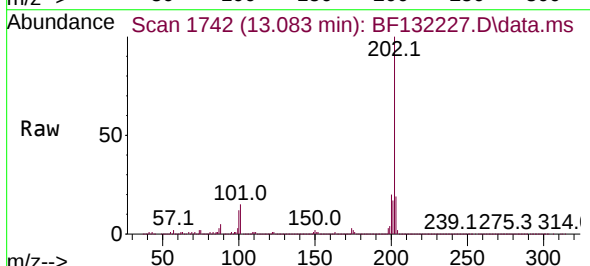
Manual Integrations

APPROVED

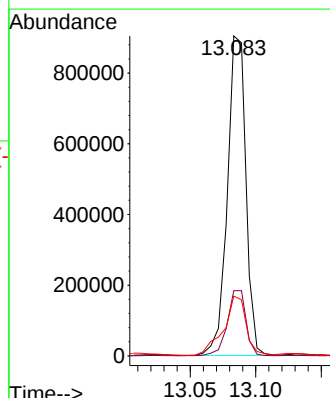
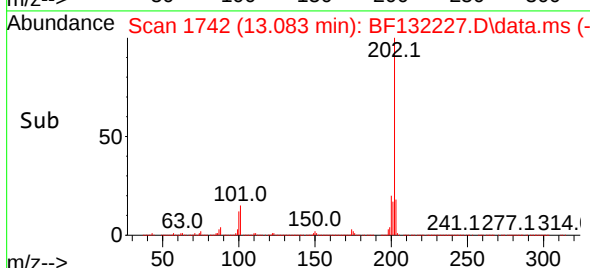
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

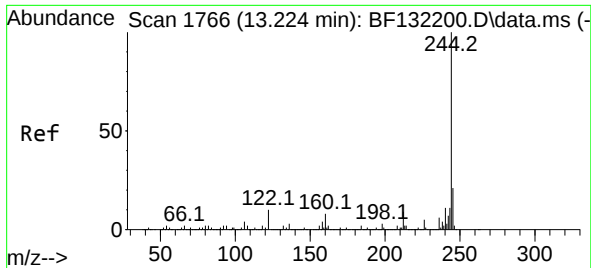


#78
Pyrene
Concen: 27.949 ng
RT: 13.083 min Scan# 1742
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04



Tgt Ion:202 Resp: 890487
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 18.7 14.7 22.1





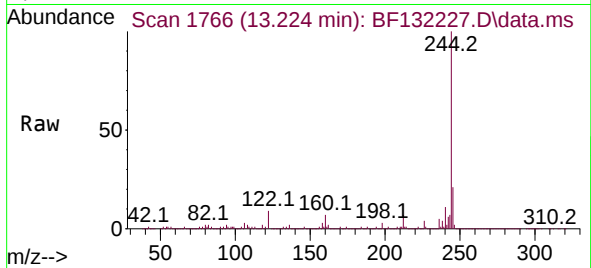
#79
 Terphenyl-d14
 Concen: 58.452 ng
 RT: 13.224 min Scan# 1766
 Delta R.T. 0.000 min
 Lab File: BF132227.D
 Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

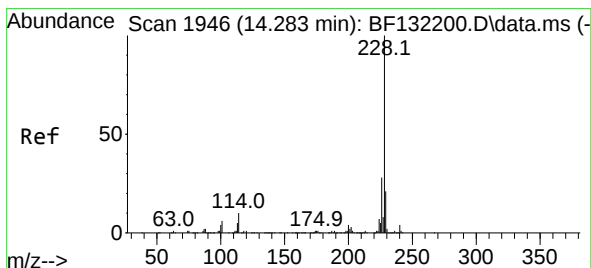
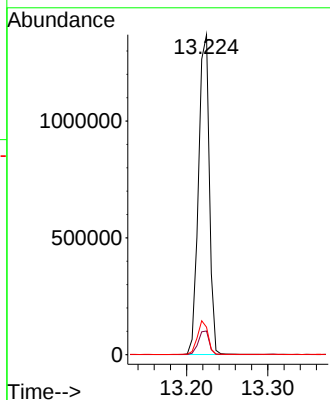
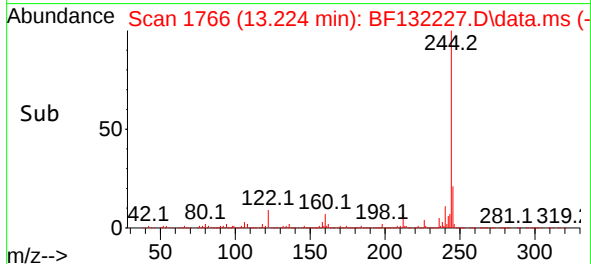


Tgt Ion:244 Resp: 126514
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.8 10.2
 122 8.6 8.3 12.5

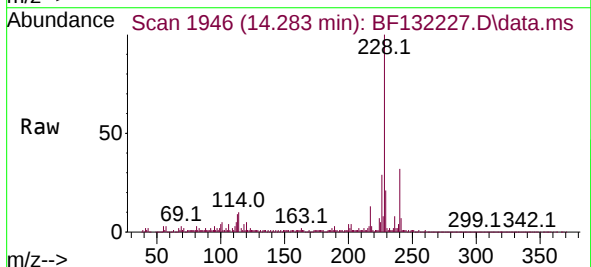
Manual Integrations

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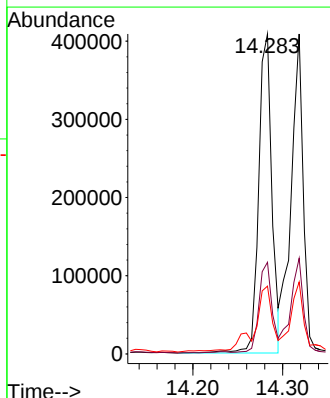
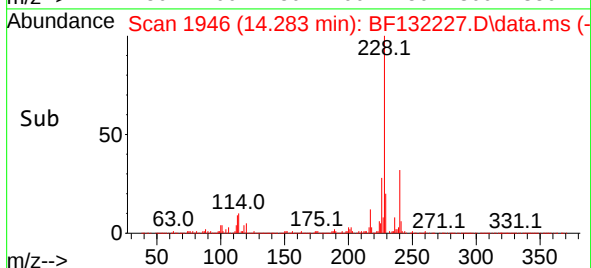
Reviewed By :Christian Giraldo 01/31/2023
 Supervised By :Jagrut Upadhyay 01/31/2023

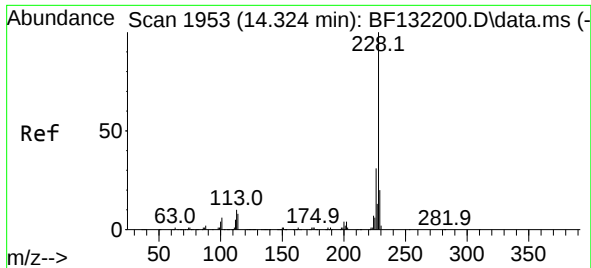


#81
 Benzo(a)anthracene
 Concen: 17.406 ng
 RT: 14.283 min Scan# 1946
 Delta R.T. 0.000 min
 Lab File: BF132227.D
 Acq: 31 Jan 2023 00:04



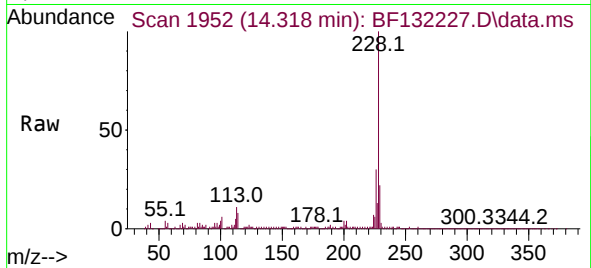
Tgt Ion:228 Resp: 416176
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 21.2 16.5 24.7





#83
Chrysene
Concen: 17.325 ng
RT: 14.318 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

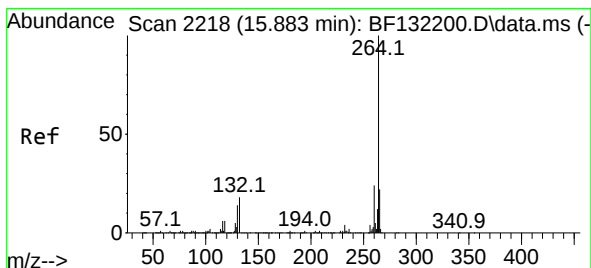
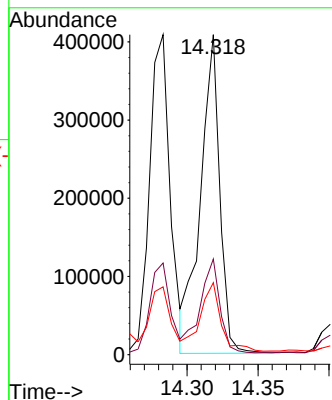
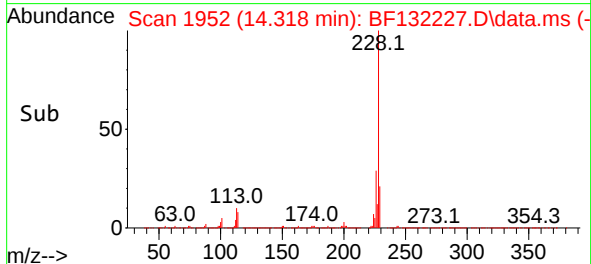
Instrument :
BNA_F
ClientSampleId :
DR-1-012523



Tgt Ion:228 Resp: 386029
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 22.5 16.2 24.4

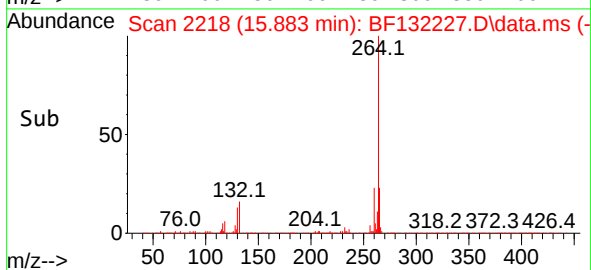
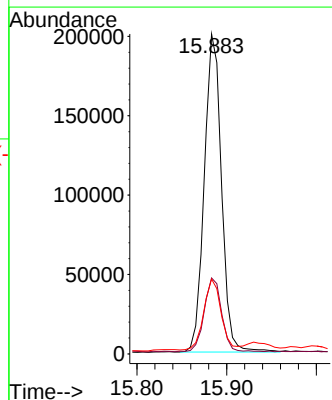
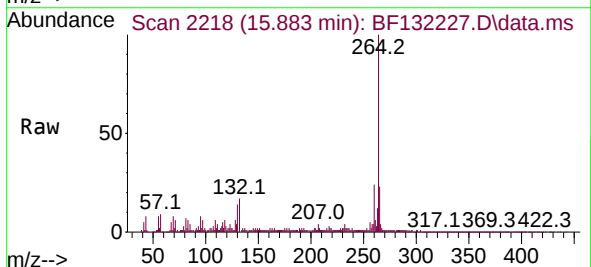
Manual Integrations
APPROVED

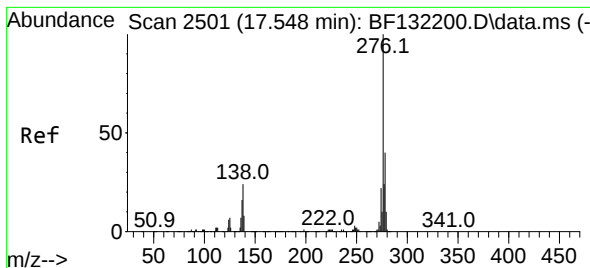
Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.883 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:264 Resp: 267744
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 23.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.564 ng

RT: 17.536 min Scan# 2499

Delta R.T. -0.012 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

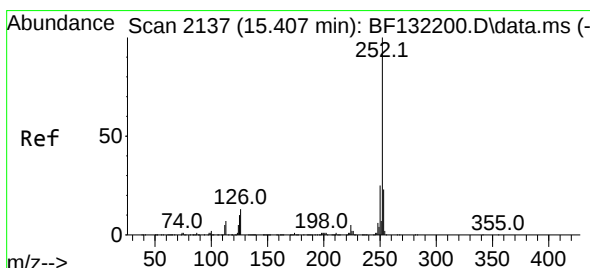
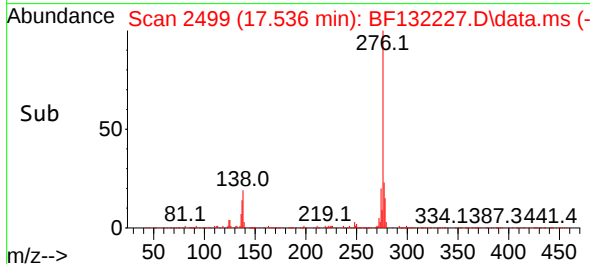
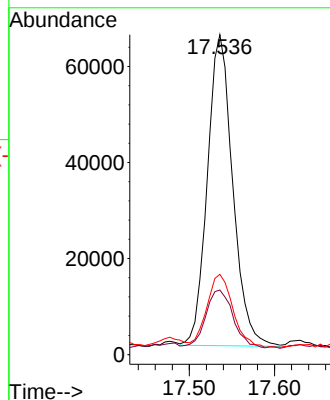
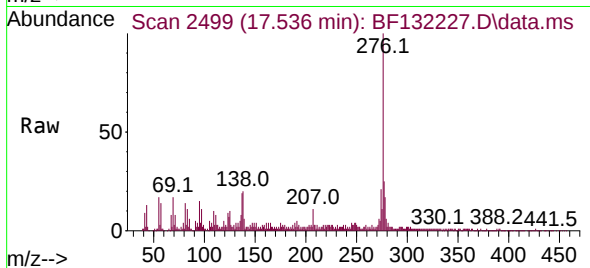
Tgt Ion:276 Resp: 133893
 Ion Ratio Lower Upper
 276 100
 138 20.1 21.0 31.6
 277 24.2 20.0 30.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#88

Benzo(b)fluoranthene

Concen: 23.165 ng m

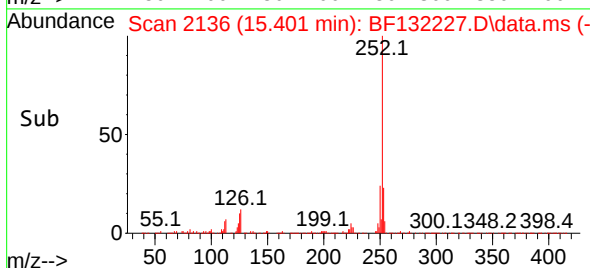
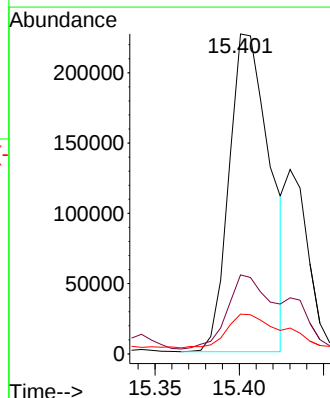
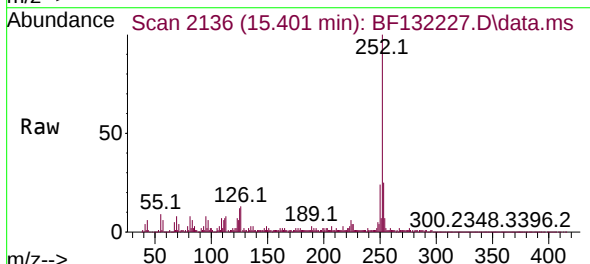
RT: 15.401 min Scan# 2136

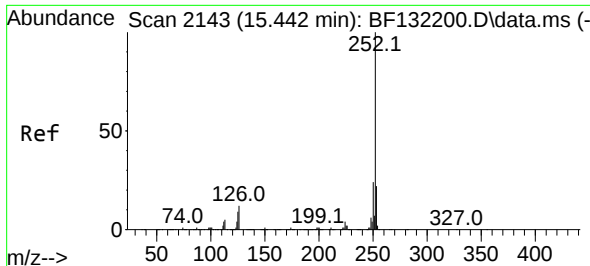
Delta R.T. -0.006 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

Tgt Ion:252 Resp: 380936
 Ion Ratio Lower Upper
 252 100
 253 24.7 18.0 27.0
 125 12.4 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 6.831 ng m

RT: 15.430 min Scan# 2143

Delta R.T. -0.012 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

Tgt Ion:252 Resp: 115899

Ion Ratio Lower Upper

252 100

253 30.4 17.8 26.6

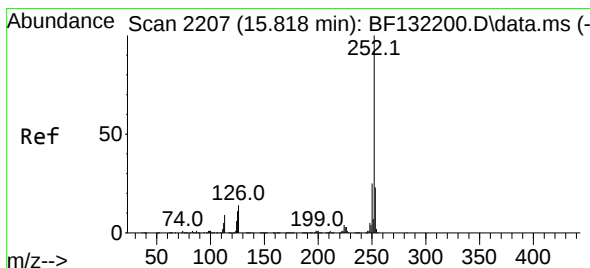
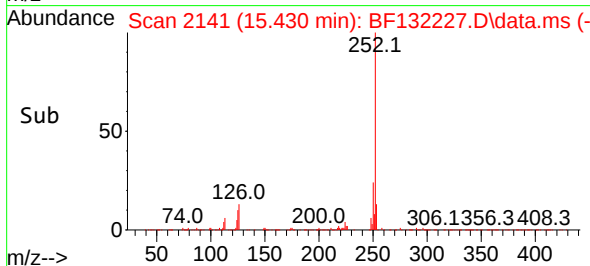
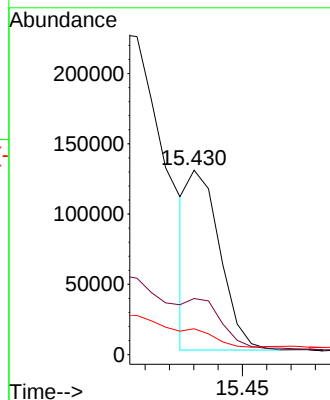
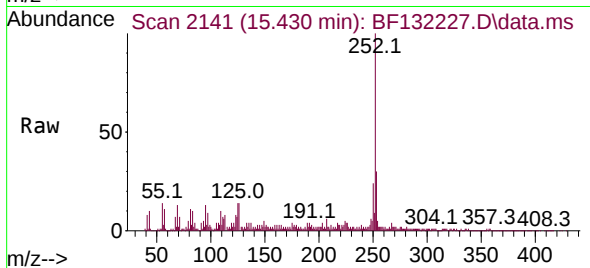
125 14.0 7.7 11.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/31/2023

Supervised By :Jagrut Upadhyay 01/31/2023



#90

Benzo(a)pyrene

Concen: 17.094 ng

RT: 15.812 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

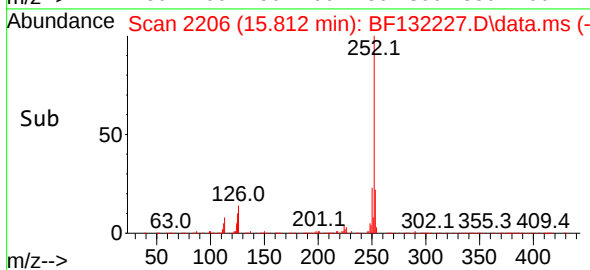
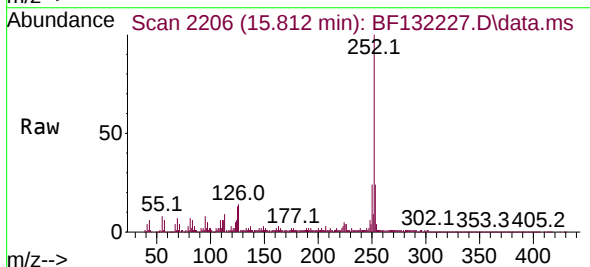
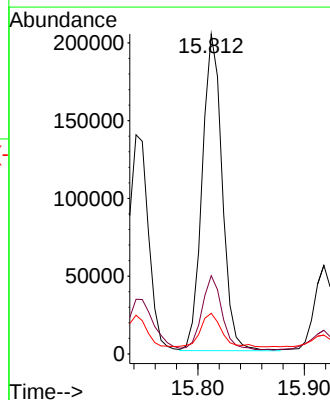
Tgt Ion:252 Resp: 265295

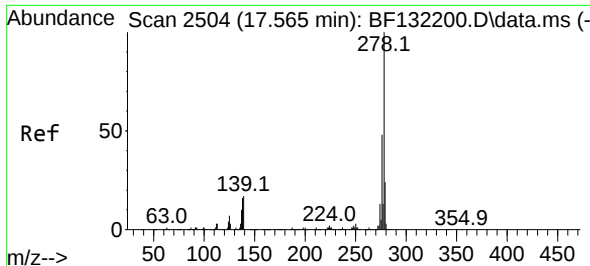
Ion Ratio Lower Upper

252 100

253 24.4 18.3 27.5

125 12.7 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 2.344 ng
RT: 17.554 min Scan# 2502
Delta R.T. -0.012 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

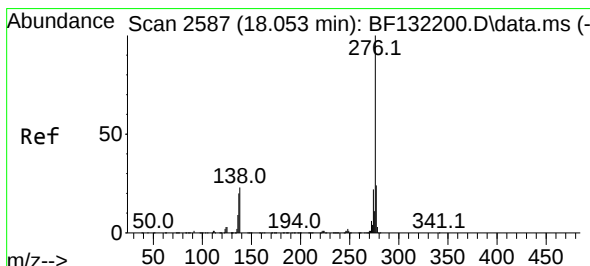
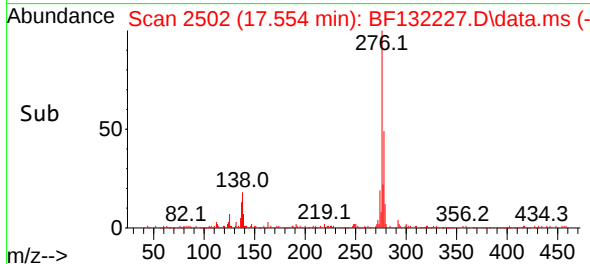
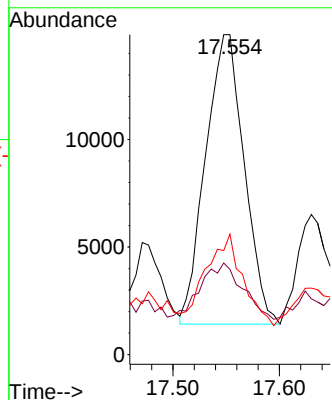
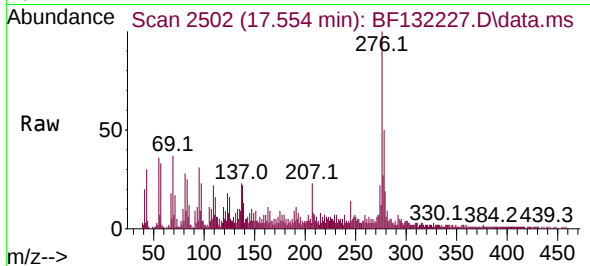
ClientSampleId :

DR-1-012523

Tgt Ion:278 Resp: 33932
Ion Ratio Lower Upper
278 100
139 26.6 13.2 19.8
279 37.6 19.1 28.7

Manual Integrations
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Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023



#92
Benzo(g,h,i)perylene
Concen: 9.185 ng
RT: 18.042 min Scan# 2585
Delta R.T. -0.012 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:276 Resp: 135537
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 23.6 18.3 27.5

