

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133480.D
 Acq On : 24 May 2023 20:12
 Operator : CG\JU
 Sample : 02899-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC01

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2023
 Supervised By : Jagrut Upadhyay 05/25/2023

Quant Time: May 25 05:22:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 02:41:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	116819	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	453623	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	218352	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	390139	20.000	ng	0.00
76) Chrysene-d12	14.004	240	249305	20.000	ng	0.00
86) Perylene-d12	15.468	264	180180	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	99273	13.891	ng	-0.01
7) Phenol-d6	6.451	99	122135	14.217	ng	-0.01
23) Nitrobenzene-d5	7.398	82	61728	9.408	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	25044	12.416	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	158058	10.184	ng	0.00
79) Terphenyl-d14	12.951	244	148772	11.409	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.386	178	54304	2.688	ng	98
75) Fluoranthene	12.574	202	118821	5.463	ng	99
78) Pyrene	12.804	202	110226	5.424	ng	98
81) Benzo(a)anthracene	13.998	228	59027	3.488	ng	94
83) Chrysene	14.033	228	55786	3.246	ng	# 94
88) Benzo(b)fluoranthene	15.039	252	54572m	4.873	ng	
89) Benzo(k)fluoranthene	15.068	252	25868m	2.377	ng	
90) Benzo(a)pyrene	15.403	252	39135	3.709	ng	# 90
92) Benzo(g,h,i)perylene	17.356	276	24620	2.452	ng	# 90

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

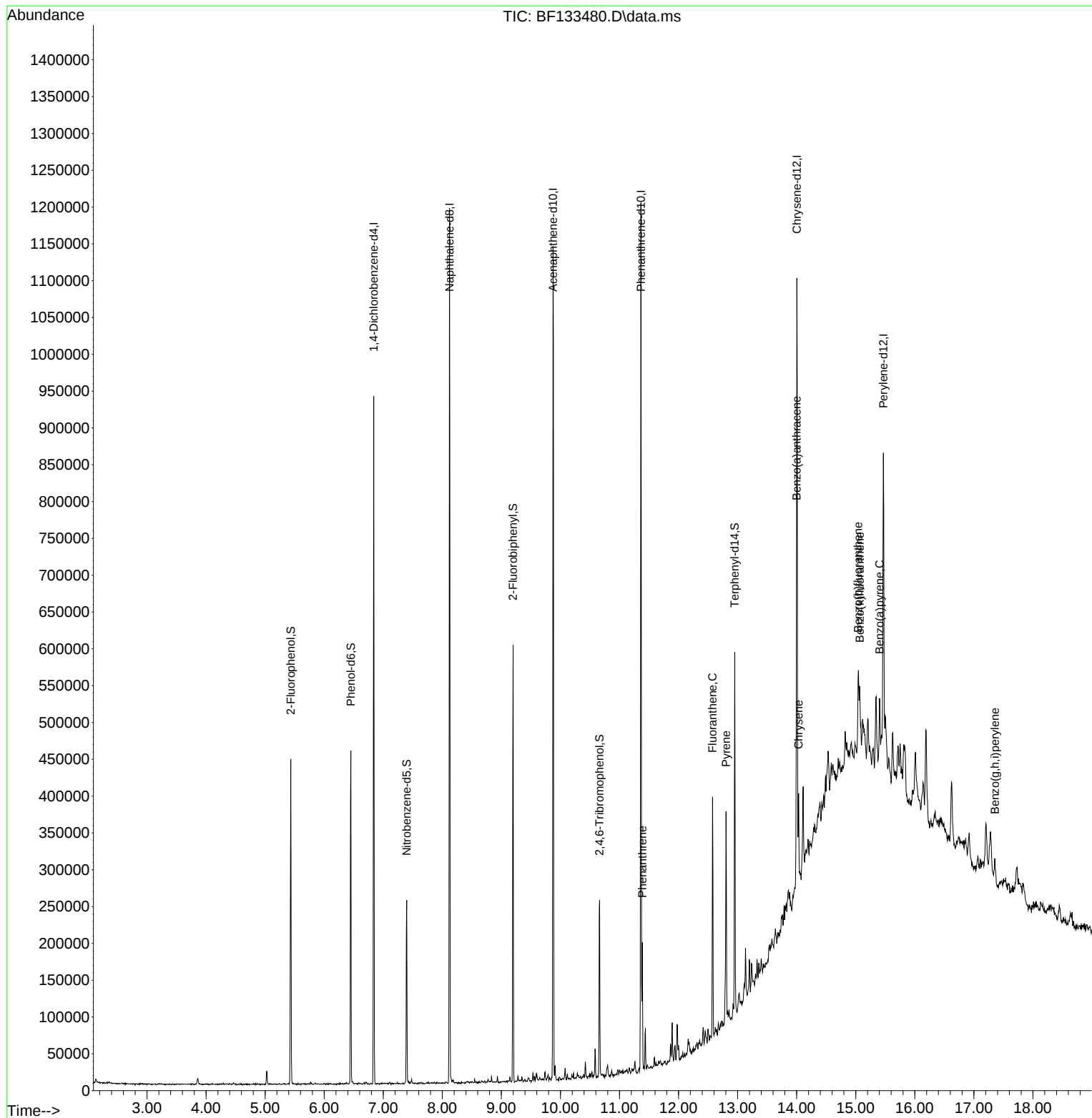
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
Data File : BF133480.D
Acq On : 24 May 2023 20:12
Operator : CG\JU
Sample : 02899-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

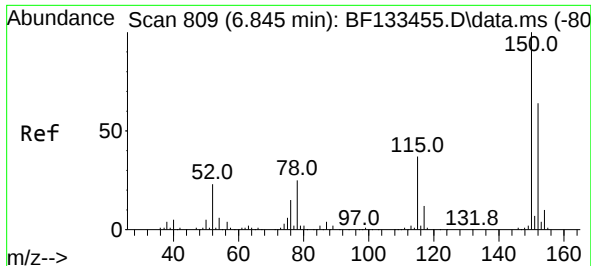
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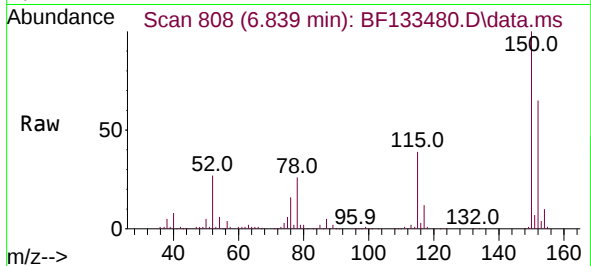
Quant Time: May 25 05:22:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 24 02:41:39 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

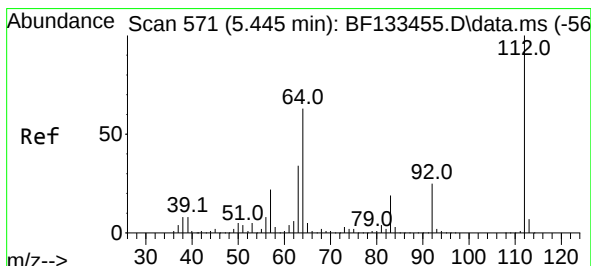
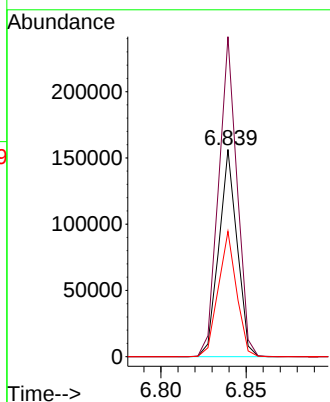
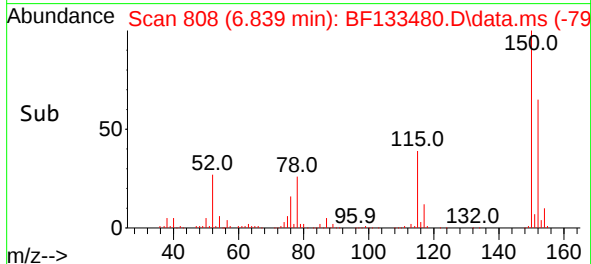
Instrument :
BNA_F
ClientSampleId :
WC01



Tgt Ion:152 Resp: 116819
Ion Ratio Lower Upper
152 100
150 154.4 125.6 188.4
115 60.4 47.0 70.4

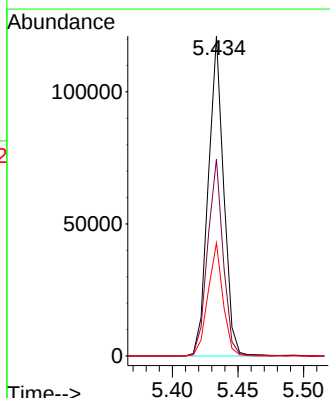
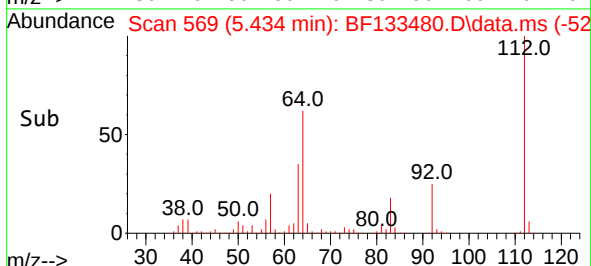
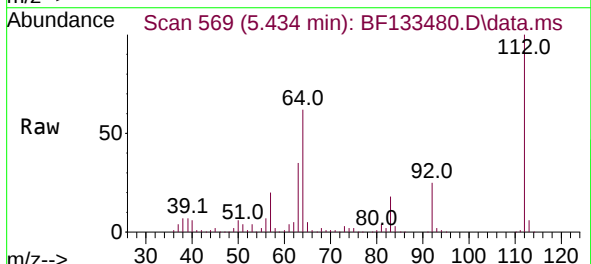
Manual Integrations
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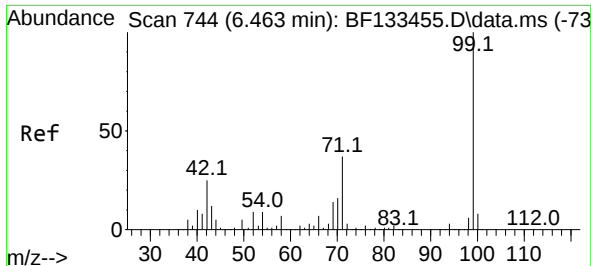
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#5
2-Fluorophenol
Concen: 13.891 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

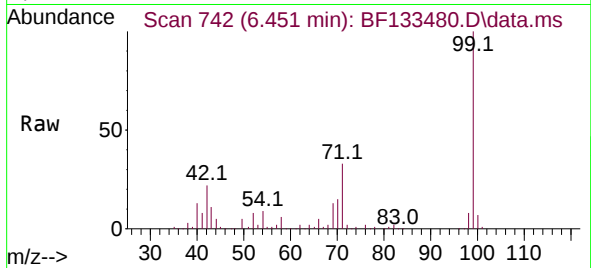
Tgt Ion:112 Resp: 99273
Ion Ratio Lower Upper
112 100
64 61.5 50.2 75.4
63 35.3 27.2 40.8





#7
Phenol-d6
Concen: 14.217 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

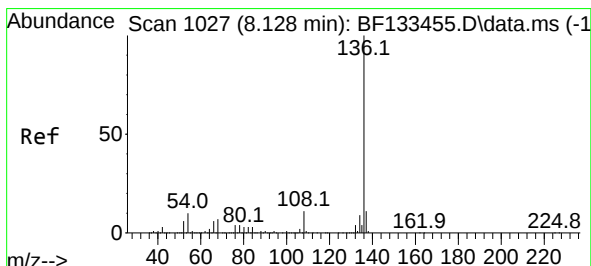
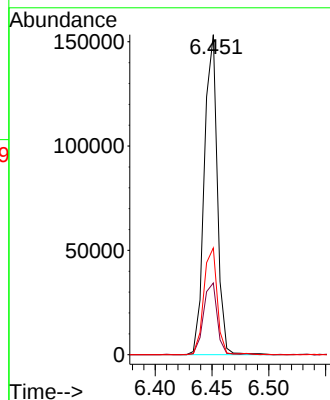
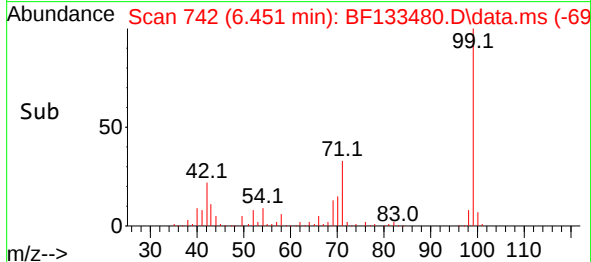
Instrument :
BNA_F
ClientSampleId :
WC01



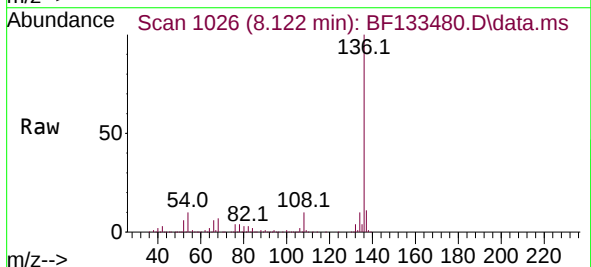
Tgt Ion: 99 Resp: 122135
Ion Ratio Lower Upper
99 100
42 22.4 19.6 29.4
71 33.3 29.5 44.3

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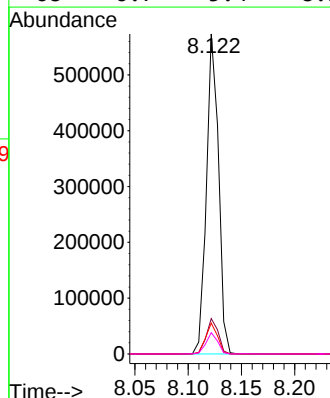
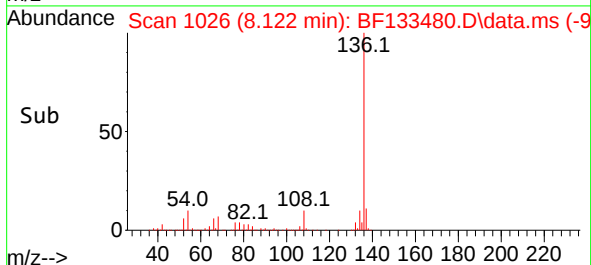
Reviewed By :Christian Giraldo 05/25/2023
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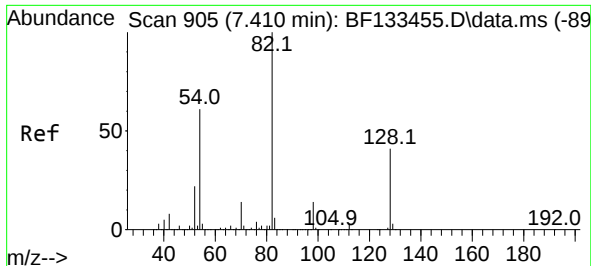


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12



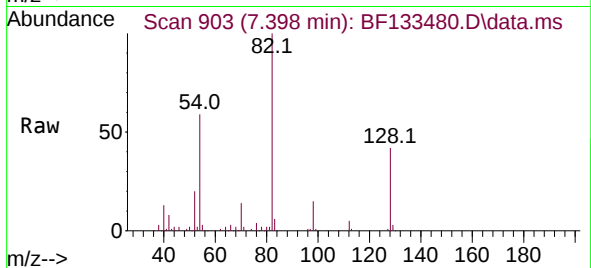
Tgt Ion:136 Resp: 453623
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.7 8.0 12.0
68 6.7 5.4 8.2





#23
Nitrobenzene-d5
Concen: 9.408 ng
RT: 7.398 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

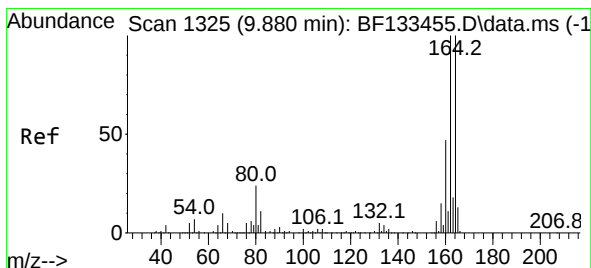
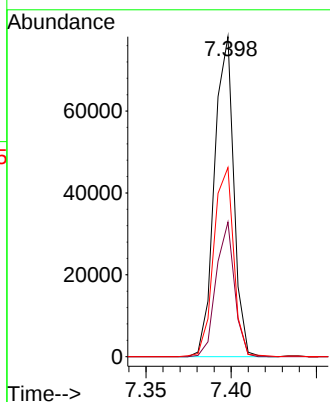
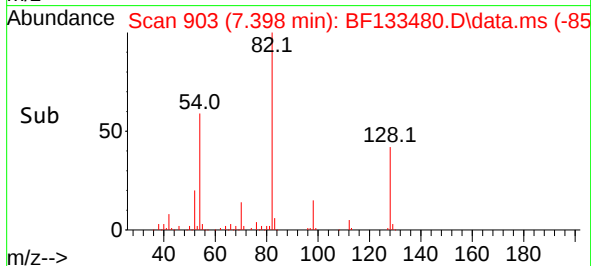
Instrument :
BNA_F
ClientSampleId :
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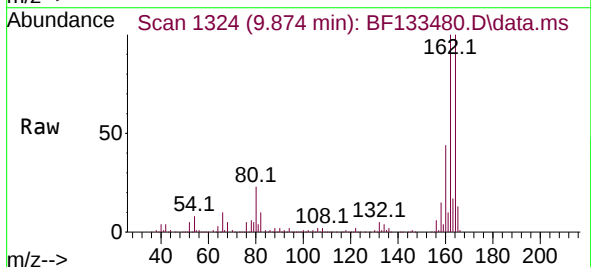
Tgt Ion: 82 Resp: 61728
Ion Ratio Lower Upper
82 100
128 42.1 33.0 49.6
54 59.1 48.5 72.7

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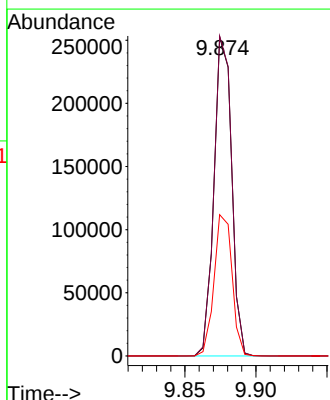
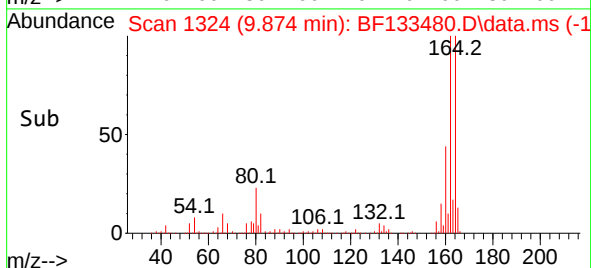
Reviewed By :Christian Giraldo 05/25/2023
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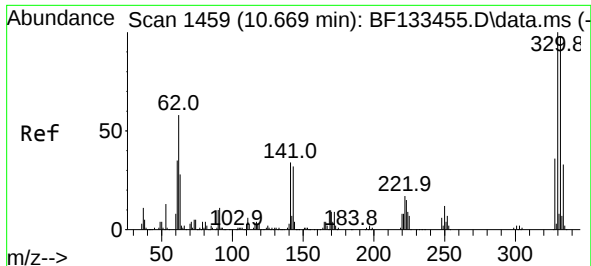


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12



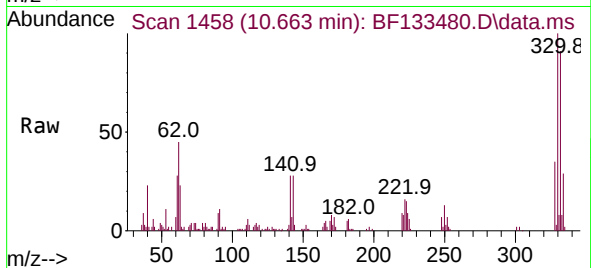
Tgt Ion:164 Resp: 218352
Ion Ratio Lower Upper
164 100
162 100.4 79.8 119.6
160 44.3 37.4 56.0





#42
2,4,6-Tribromophenol
Concen: 12.416 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

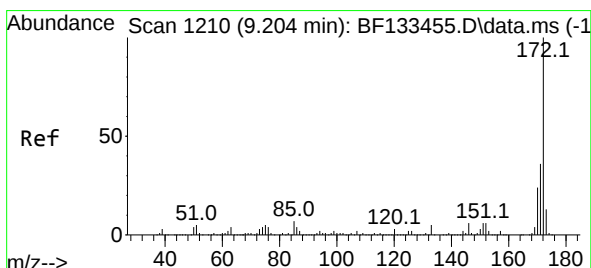
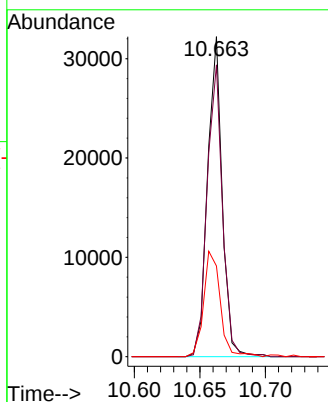
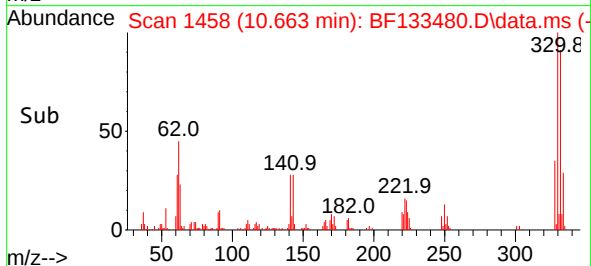
Instrument :
BNA_F
ClientSampleId :
WC01



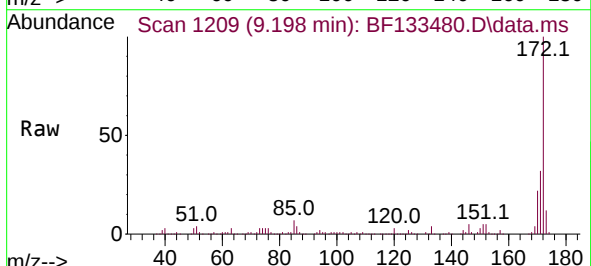
Tgt Ion: 330 Resp: 25044
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 37.5 28.5 42.7

Manual Integrations
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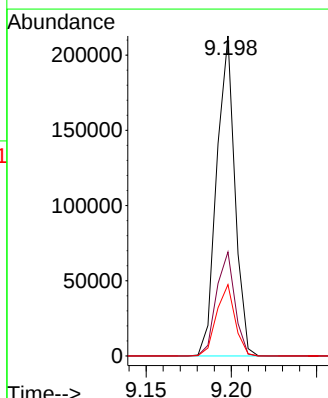
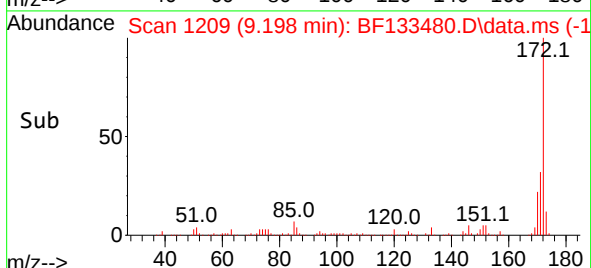
Reviewed By : Christian Giraldo 05/25/2023
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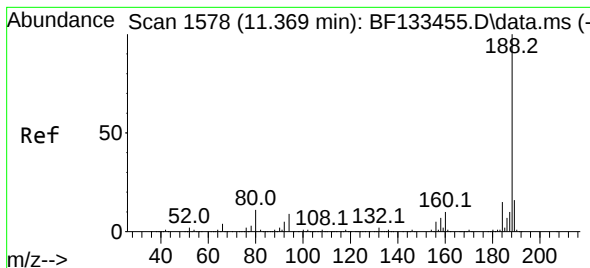


#45
2-Fluorobiphenyl
Concen: 10.184 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12



Tgt Ion: 172 Resp: 158058
Ion Ratio Lower Upper
172 100
171 32.5 28.5 42.7
170 22.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Instrument :

BNA_F

ClientSampleId :

WC01

Tgt Ion:188 Resp: 390139

Ion Ratio Lower Upper

188 100

94 10.4 7.5 11.3

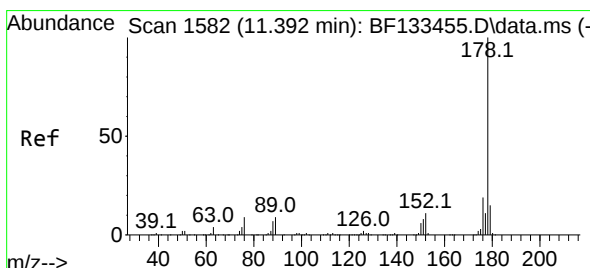
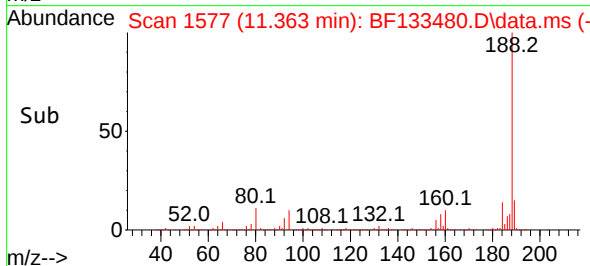
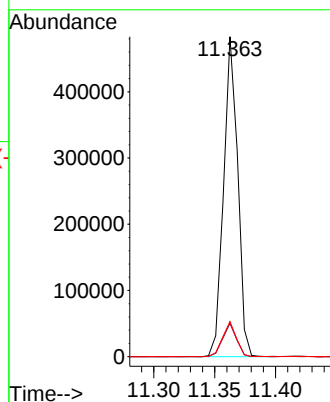
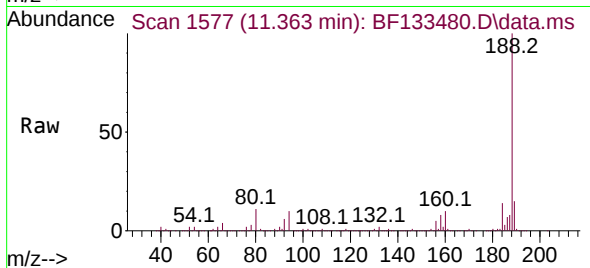
80 11.0 8.7 13.1

Manual Integrations

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#71

Phenanthrene

Concen: 2.688 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

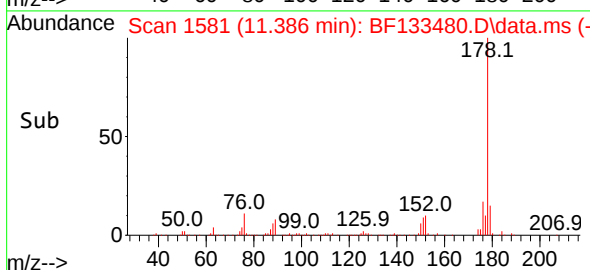
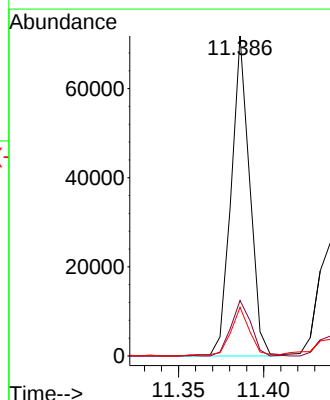
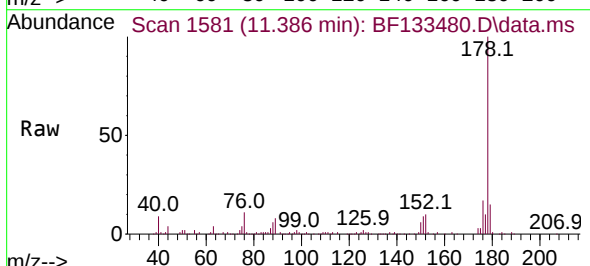
Tgt Ion:178 Resp: 54304

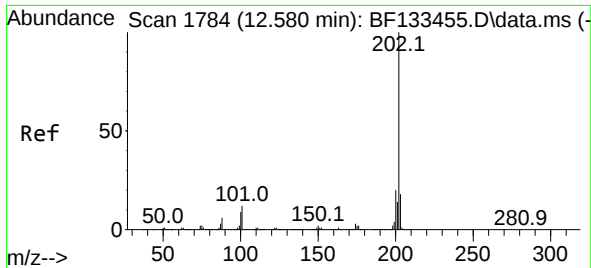
Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

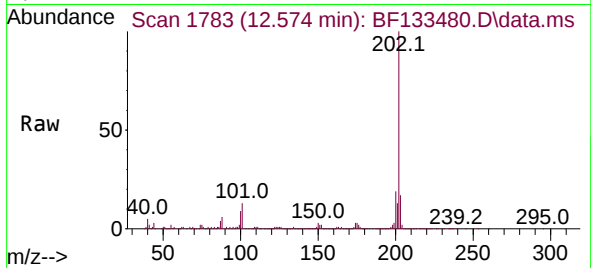
179 15.2 12.2 18.2





#75
Fluoranthene
Concen: 5.463 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

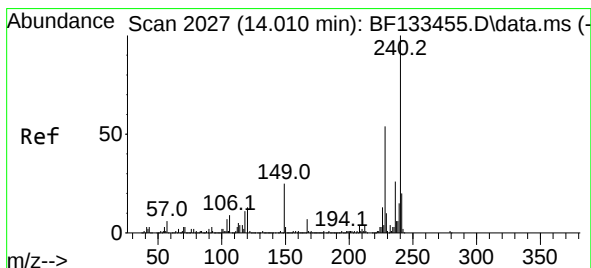
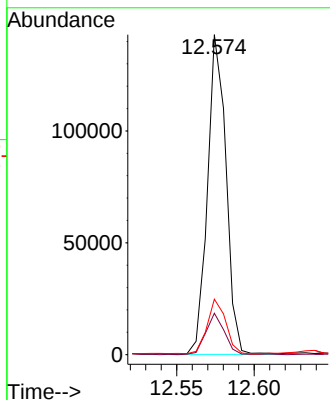
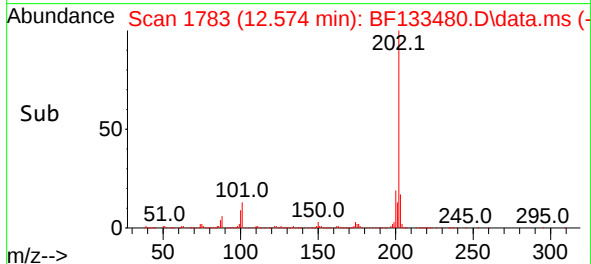
Instrument :
BNA_F
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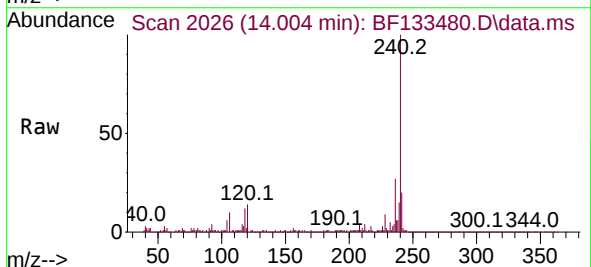
Tgt Ion:202 Resp: 11882
Ion Ratio Lower Upper
202 100
101 13.0 0.0 32.5
203 17.4 0.0 38.0

Manual Integrations
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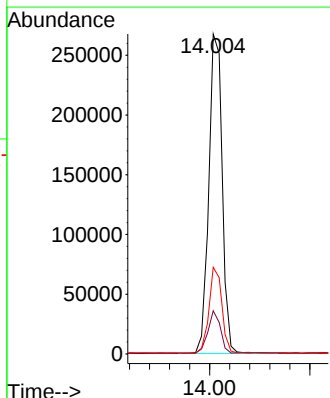
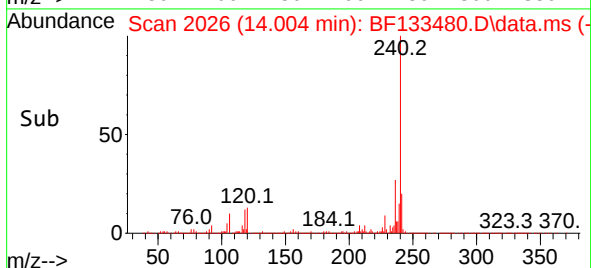
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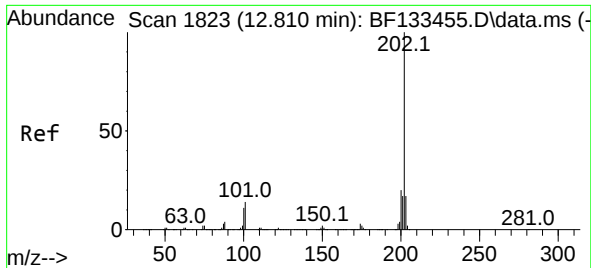


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12



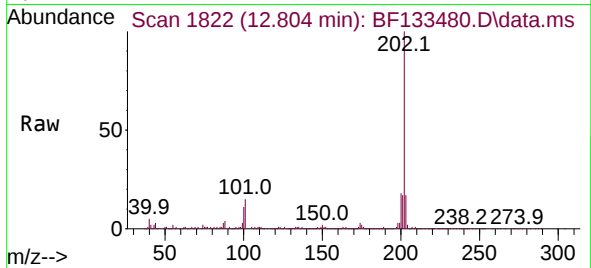
Tgt Ion:240 Resp: 249305
Ion Ratio Lower Upper
240 100
120 13.5 10.2 15.4
236 27.1 20.9 31.3





#78
Pyrene
Concen: 5.424 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

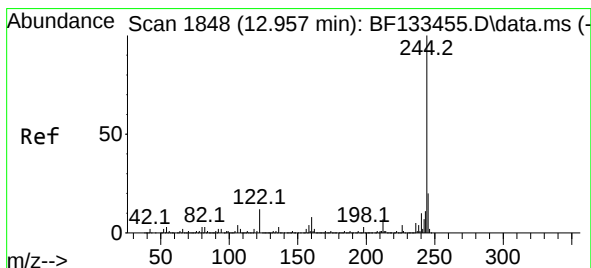
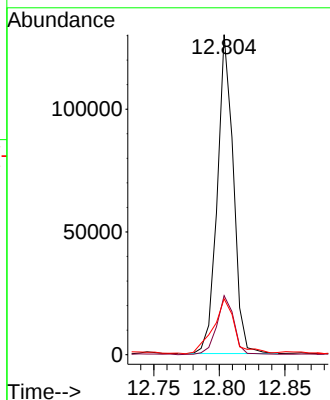
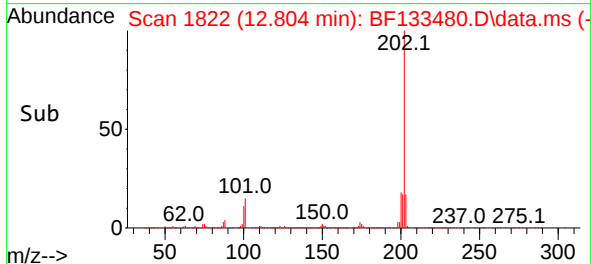
Instrument :
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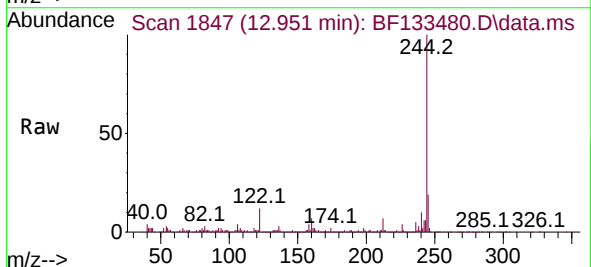
Tgt Ion:202 Resp: 110220
Ion Ratio Lower Upper
202 100
200 18.4 16.2 24.2
203 17.5 13.9 20.9

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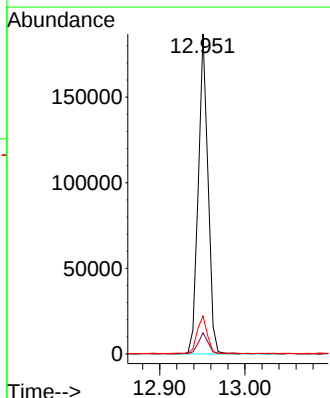
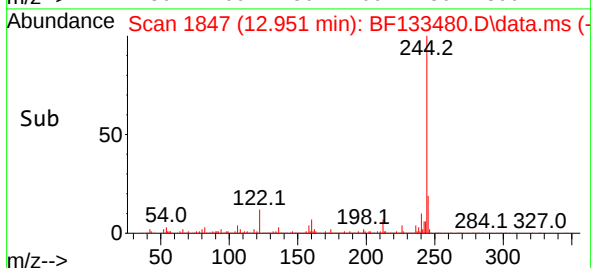
Reviewed By :Christian Giraldo 05/25/2023
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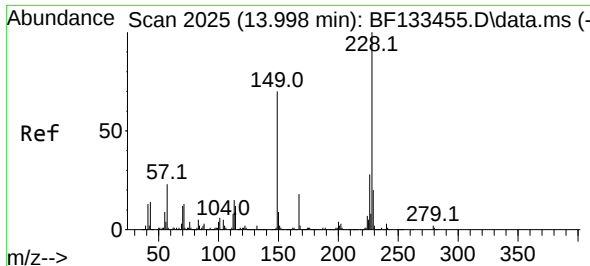


#79
Terphenyl-d14
Concen: 11.409 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12



Tgt Ion:244 Resp: 148772
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 11.8 9.4 14.0





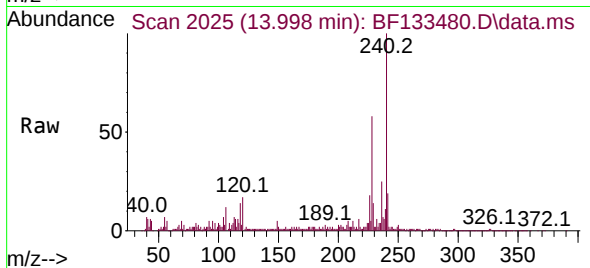
#81
Benzo(a)anthracene
Concen: 3.488 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Instrument :

BNF_F

ClientSampleId :

WC01

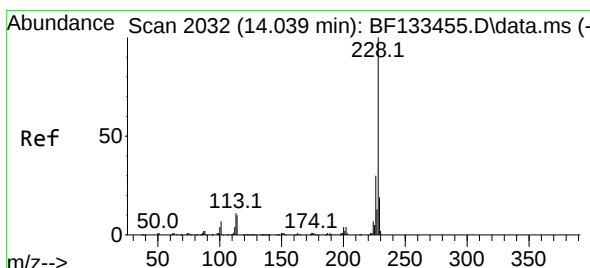
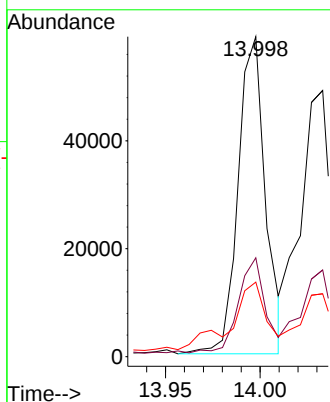
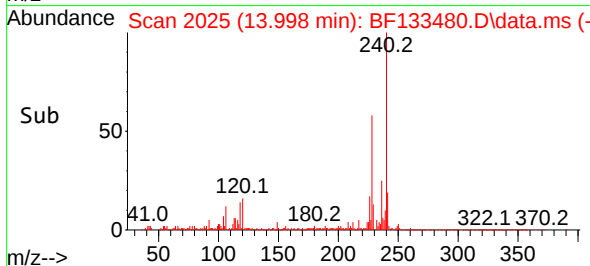


Tgt Ion:228 Resp: 5902
Ion Ratio Lower Upper
228 100
226 30.9 22.2 33.4
229 23.3 16.3 24.5

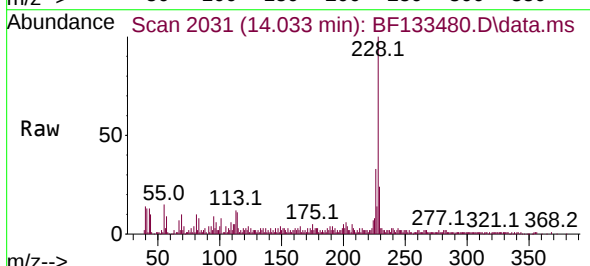
Manual Integrations

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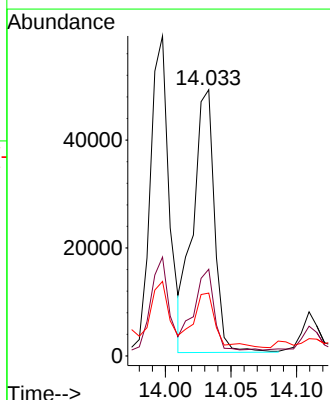
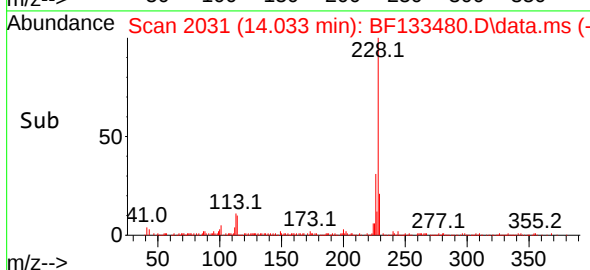
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

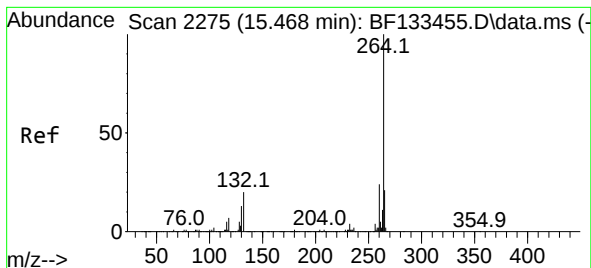


#83
Chrysene
Concen: 3.246 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12



Tgt Ion:228 Resp: 55786
Ion Ratio Lower Upper
228 100
226 32.6 24.3 36.5
229 23.6 15.4 23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Instrument :

BNA_F

ClientSampleId :

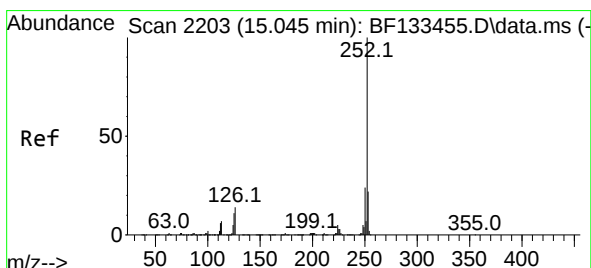
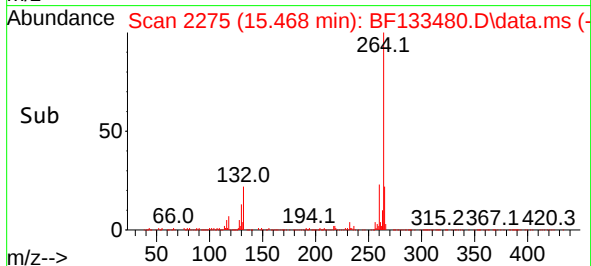
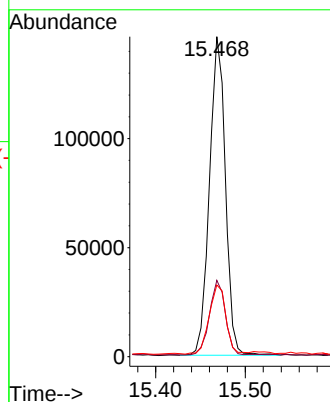
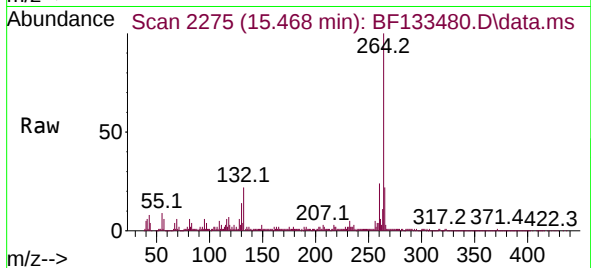
WC01

Tgt Ion:264 Resp: 180180
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 22.4 17.0 25.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/25/2023
 Supervised By :Jagrut Upadhyay 05/25/2023



#88

Benzo(b)fluoranthene

Concen: 4.873 ng m

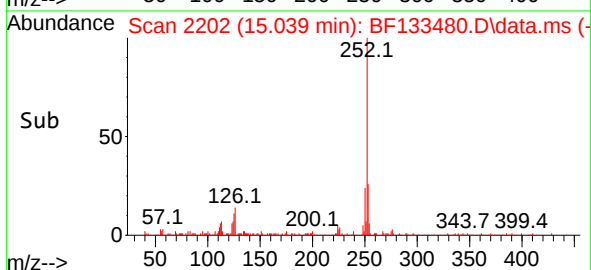
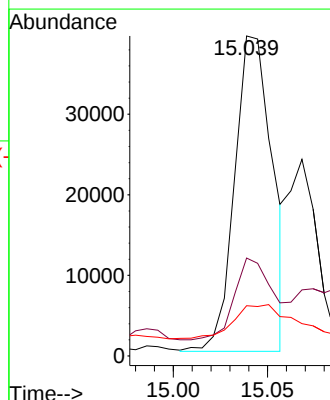
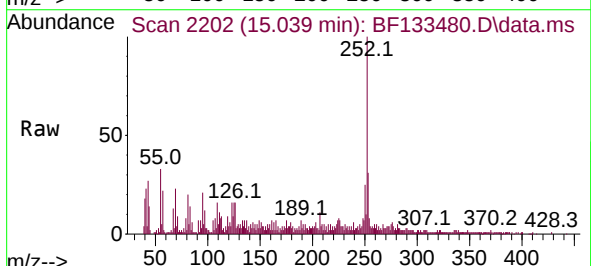
RT: 15.039 min Scan# 2202

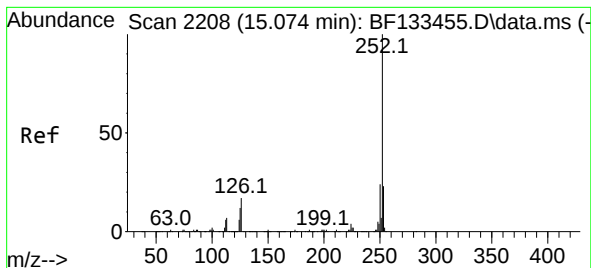
Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Tgt Ion:252 Resp: 54572
 Ion Ratio Lower Upper
 252 100
 253 30.6 17.5 26.3#
 125 15.7 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 2.377 ng m

RT: 15.068 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

Instrument :

BNA_F

ClientSampleId :

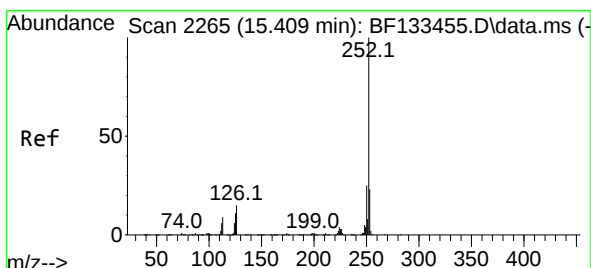
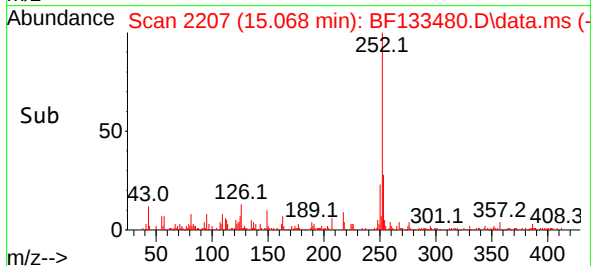
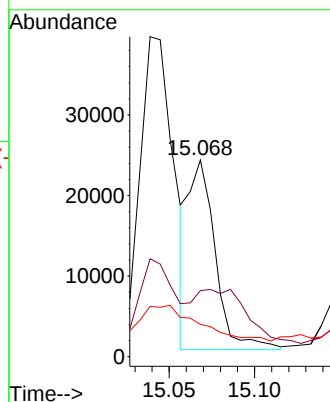
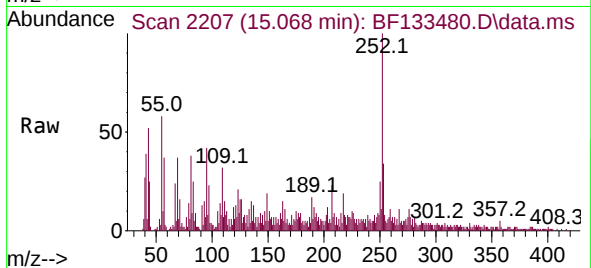
WC01

Tgt Ion:252 Resp: 2586
 Ion Ratio Lower Upper
 252 100
 253 33.6 17.8 26.6
 125 16.5 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/25/2023
 Supervised By :Jagrut Upadhyay 05/25/2023



#90

Benzo(a)pyrene

Concen: 3.709 ng

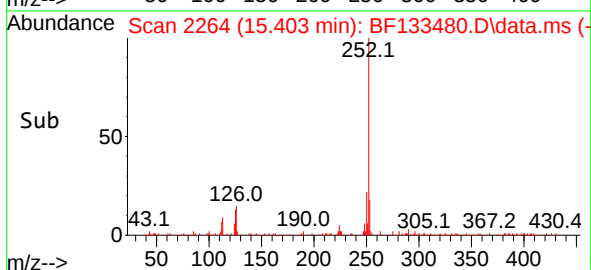
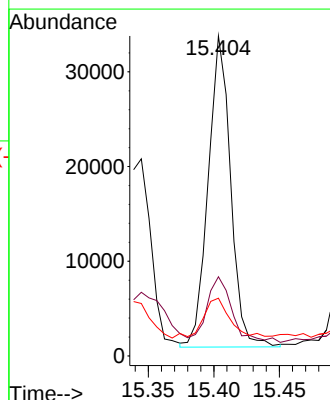
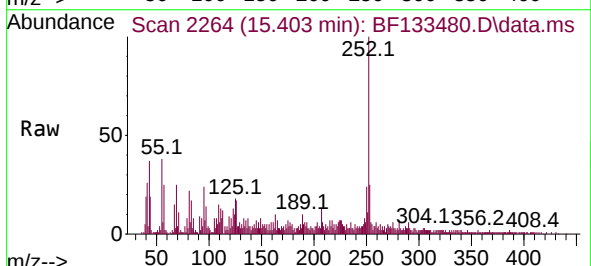
RT: 15.403 min Scan# 2264

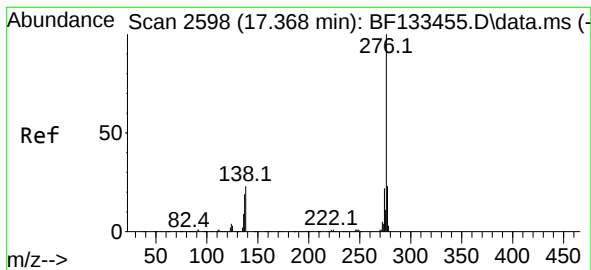
Delta R.T. -0.006 min

Lab File: BF133480.D

Acq: 24 May 2023 20:12

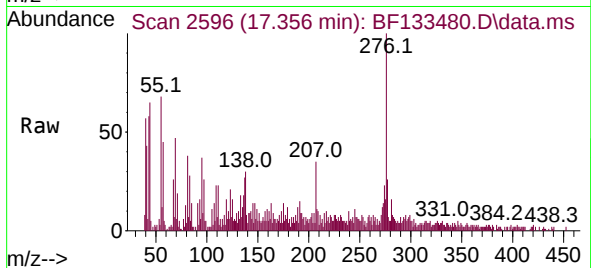
Tgt Ion:252 Resp: 39135
 Ion Ratio Lower Upper
 252 100
 253 24.8 18.0 27.0
 125 18.1 8.5 12.7





#92
Benzo(g,h,i)perylene
Concen: 2.452 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF133480.D
Acq: 24 May 2023 20:12

Instrument :
BNA_F
ClientSampleId :
WC01



Tgt Ion: 276 Resp: 24620
Ion Ratio Lower Upper
276 100
277 26.3 18.6 27.8
138 30.0 18.5 27.7

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/25/2023
Supervised By : Jagrut Upadhyay 05/25/2023

