

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133374.D
 Acq On : 12 May 2023 17:45
 Operator : CG\JU
 Sample : 02747-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2-20230510

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/15/2023
 Supervised By :Yogesh Patel 05/16/2023

Quant Time: May 12 18:21:40 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 11 16:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	184390	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	698029	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	307079	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	482117	20.000	ng	0.00
76) Chrysene-d12	13.874	240	327403	20.000	ng	0.00
86) Perylene-d12	15.298	264	255460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	813445	66.641	ng	0.00
7) Phenol-d6	6.363	99	969206	63.971	ng	0.00
23) Nitrobenzene-d5	7.281	82	562353	43.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	168319	54.503	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1002809	54.634	ng	0.00
79) Terphenyl-d14	12.827	244	887876	46.771	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	141186	5.449	ng	100
75) Fluoranthene	12.451	202	258621	9.945	ng	97
78) Pyrene	12.680	202	246510	8.783	ng	99
81) Benzo(a)anthracene	13.868	228	81956m	3.640	ng	
83) Chrysene	13.904	228	107975	4.797	ng	97
84) Bis(2-ethylhexyl)phtha...	13.863	149	46988	3.767	ng	94
87) Indeno(1,2,3-cd)pyrene	16.680	276	50656	3.486	ng	94
88) Benzo(b)fluoranthene	14.898	252	110615m	6.806	ng	
89) Benzo(k)fluoranthene	14.921	252	38350m	2.380	ng	
90) Benzo(a)pyrene	15.239	252	67416	4.557	ng	# 87
92) Benzo(g,h,i)perylene	17.098	276	50267	4.201	ng	# 92

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

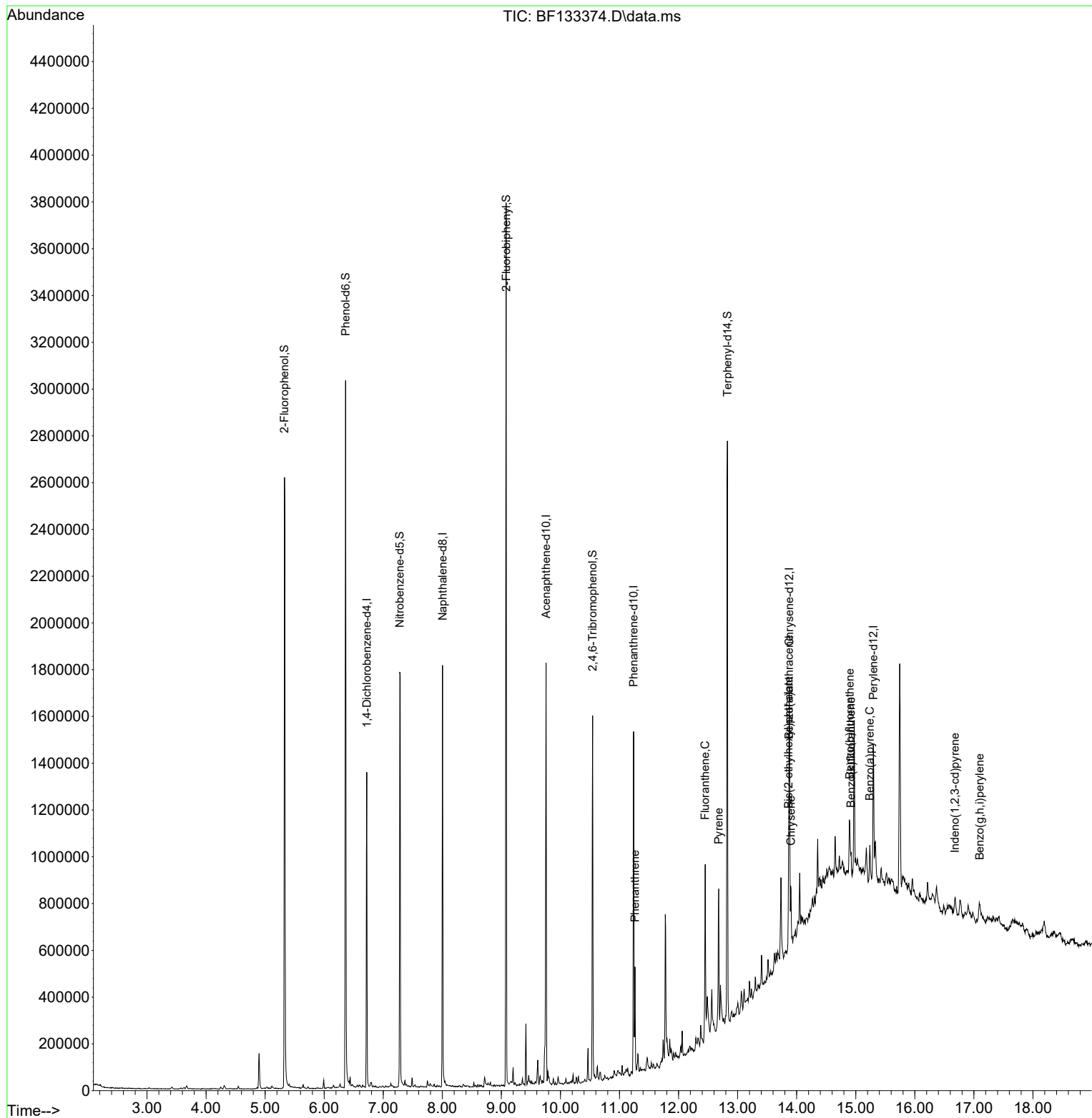
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133374.D
Acq On : 12 May 2023 17:45
Operator : CG\JU
Sample : 02747-01
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ALS Vial : 10 Sample Multiplier: 1

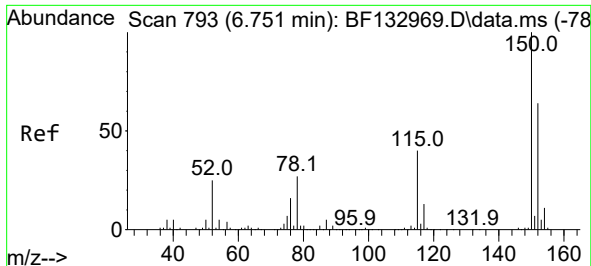
Instrument :
BNA_F
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SB-03-0-2-20230510

Quant Time: May 12 18:21:40 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 11 16:40:17 2023
Response via : Initial Calibration

Manual Integrations
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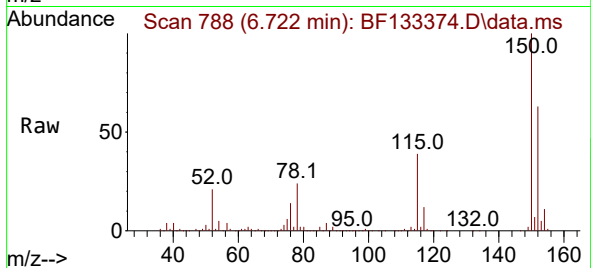
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

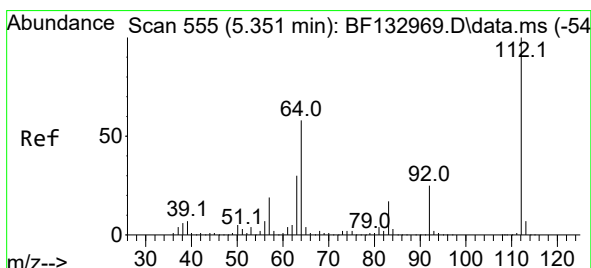
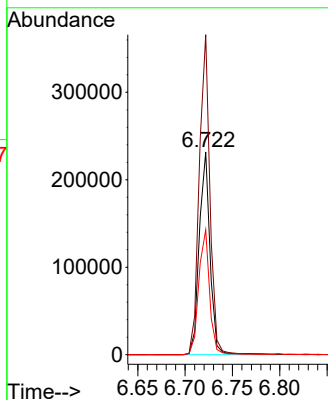
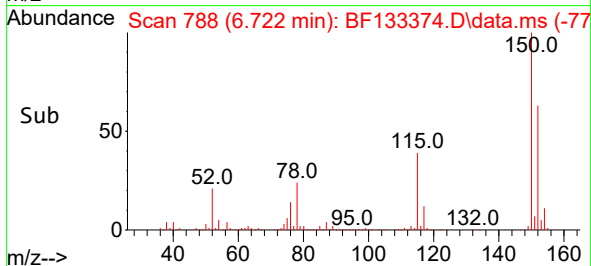
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



Tgt Ion:152 Resp: 184390
Ion Ratio Lower Upper
152 100
150 157.8 124.8 187.2
115 61.6 49.9 74.9

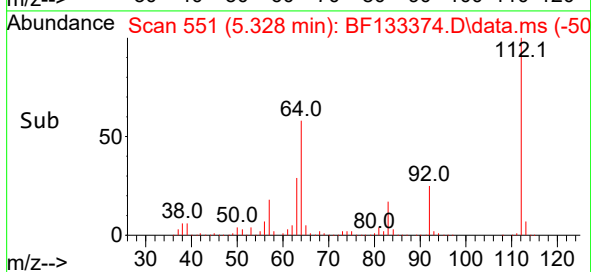
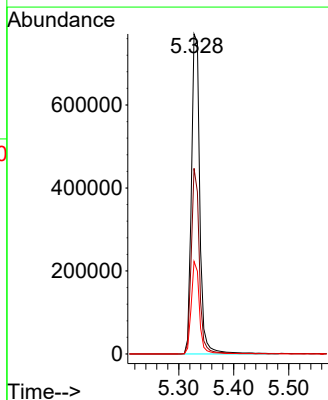
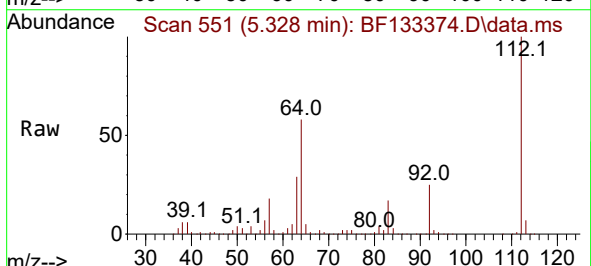
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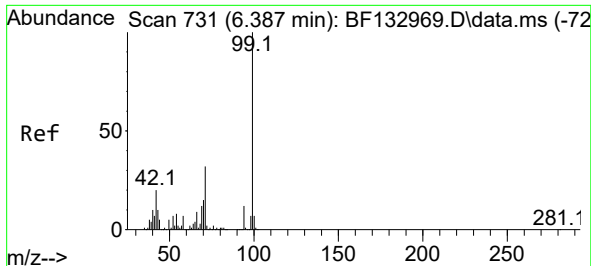
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#5
2-Fluorophenol
Concen: 66.641 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

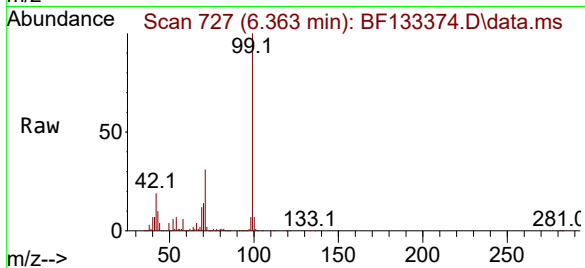
Tgt Ion:112 Resp: 813445
Ion Ratio Lower Upper
112 100
64 58.0 46.8 70.2
63 28.9 23.8 35.8





#7
Phenol-d6
Concen: 63.971 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

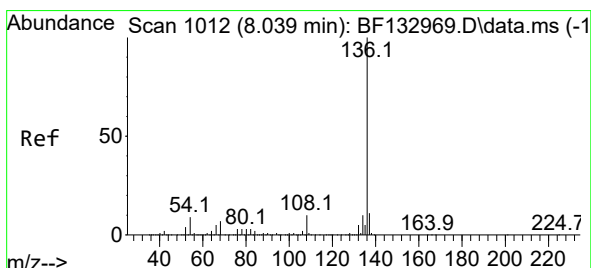
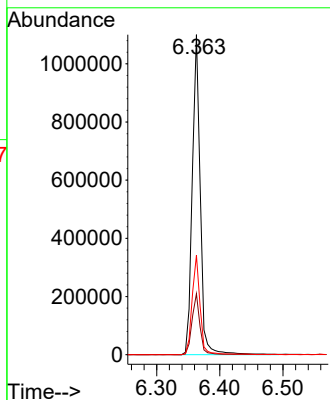
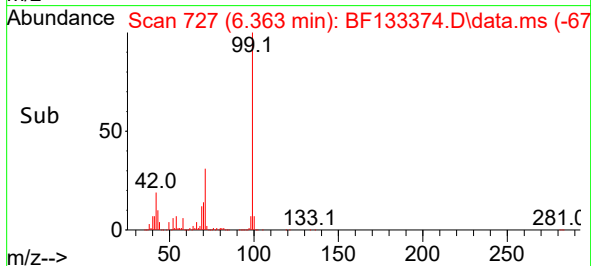
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



Tgt Ion: 99 Resp: 969200
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 31.0 25.6 38.4

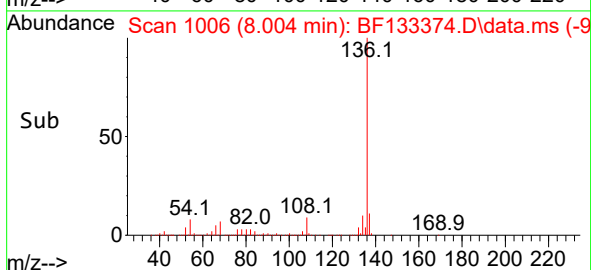
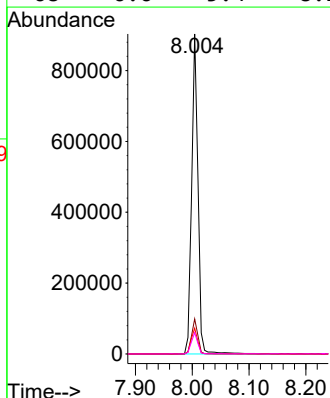
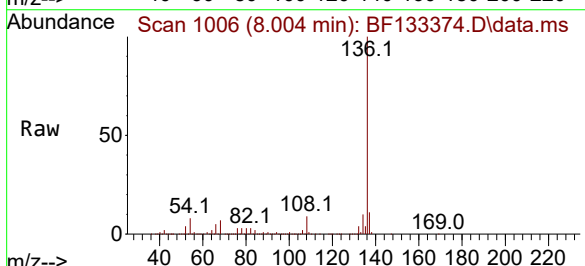
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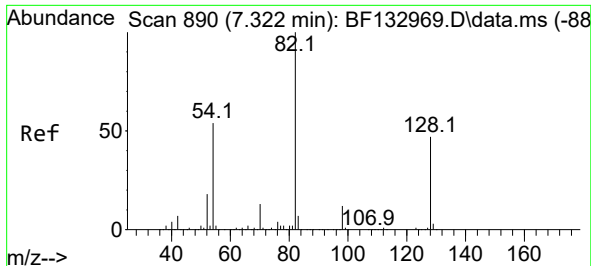
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

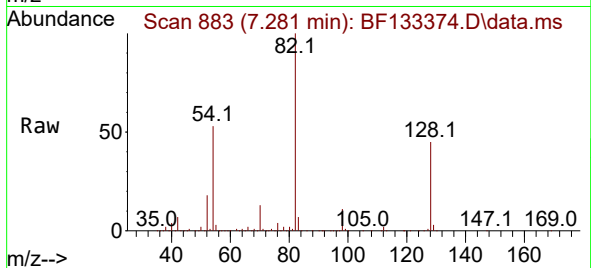
Tgt Ion:136 Resp: 698029
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.6 5.4 8.2





#23
Nitrobenzene-d5
Concen: 43.485 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

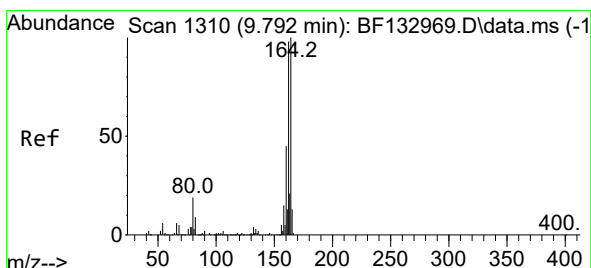
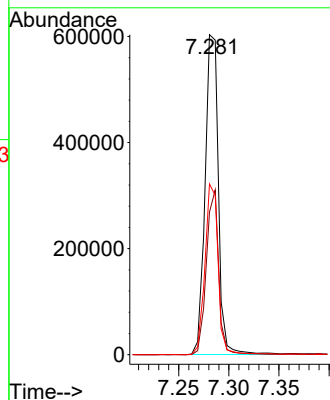
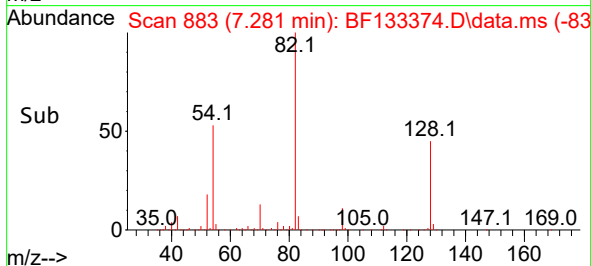
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



Tgt Ion: 82 Resp: 56235
Ion Ratio Lower Upper
82 100
128 44.6 37.7 56.5
54 53.3 43.0 64.4

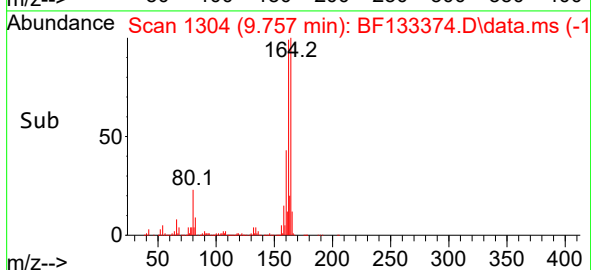
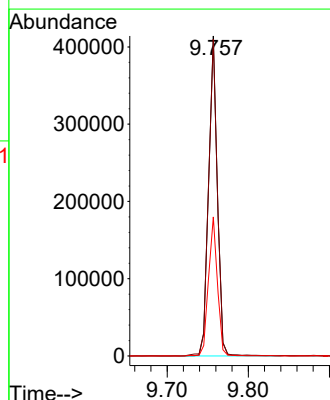
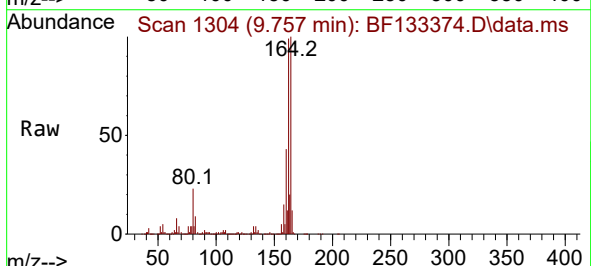
Manual Integrations
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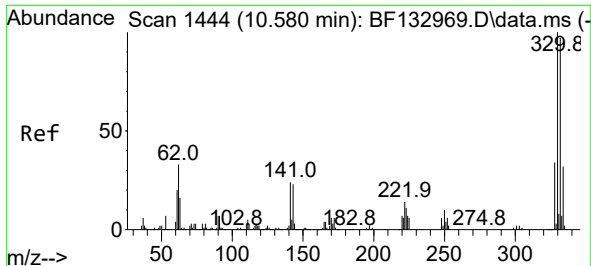
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

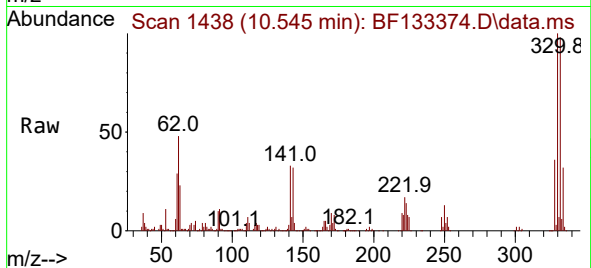
Tgt Ion:164 Resp: 307079
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 43.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 54.503 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

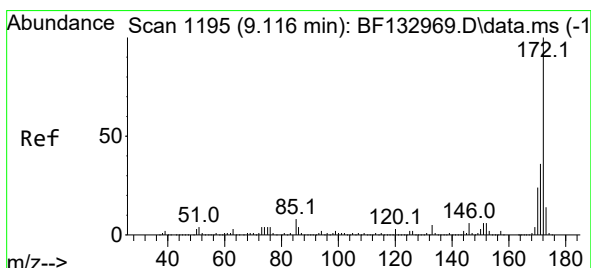
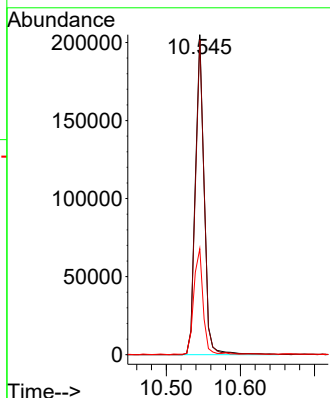
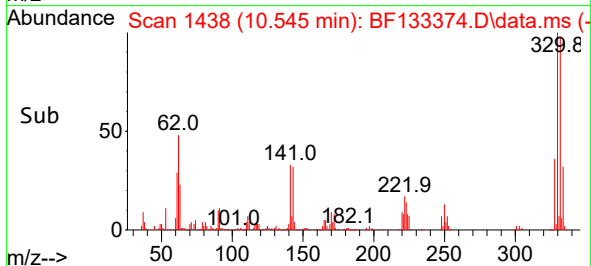
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



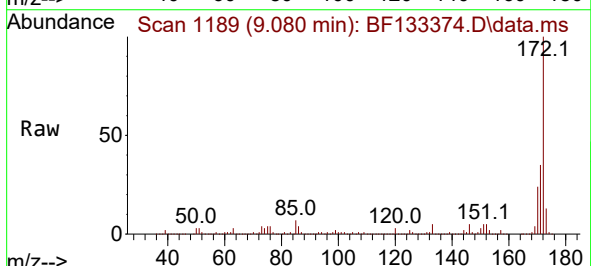
Tgt Ion: 330 Resp: 168319
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 35.5 25.8 38.8

Manual Integrations
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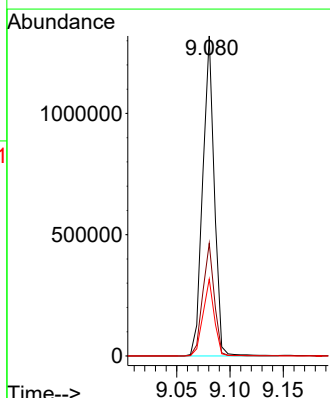
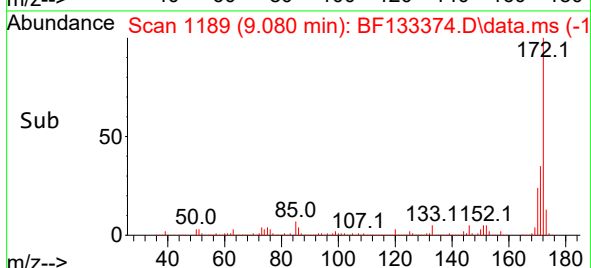
Reviewed By : Christian Giraldo 05/15/2023
Supervised By : Yogesh Patel 05/16/2023

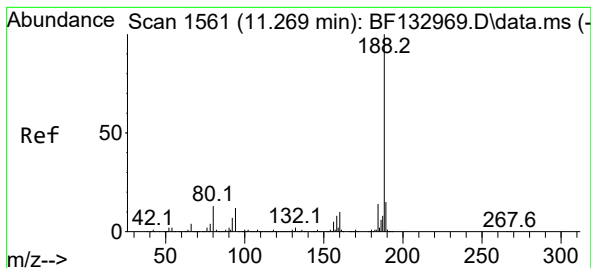


#45
2-Fluorobiphenyl
Concen: 54.634 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45



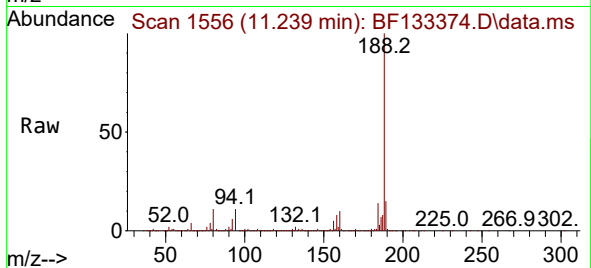
Tgt Ion: 172 Resp: 1002809
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 24.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

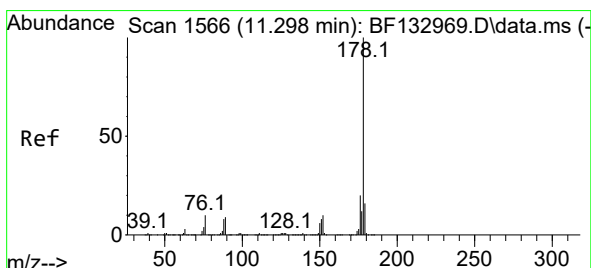
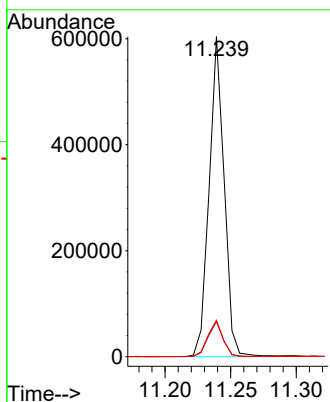
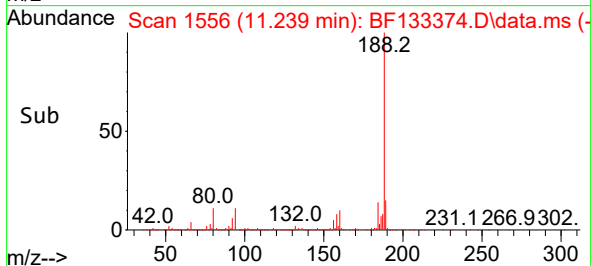
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



Tgt Ion:188 Resp: 482117
Ion Ratio Lower Upper
188 100
94 11.0 9.7 14.5
80 11.4 10.4 15.6

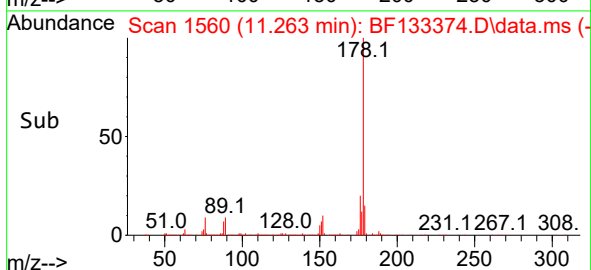
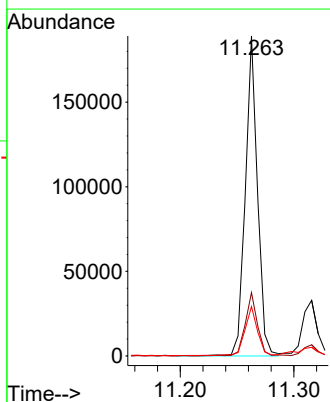
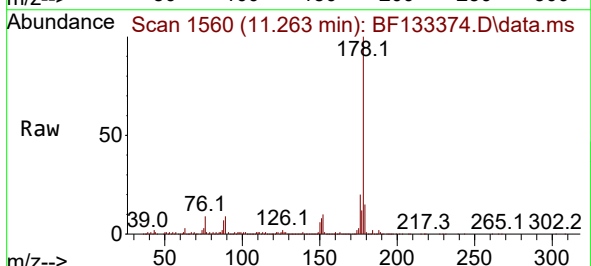
Manual Integrations
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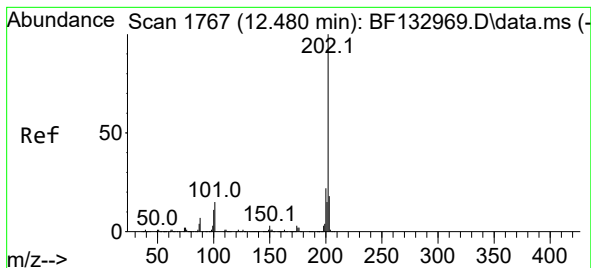
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#71
Phenanthrene
Concen: 5.449 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:178 Resp: 141186
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.4 12.5 18.7





#75

Fluoranthene

Concen: 9.945 ng

RT: 12.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510

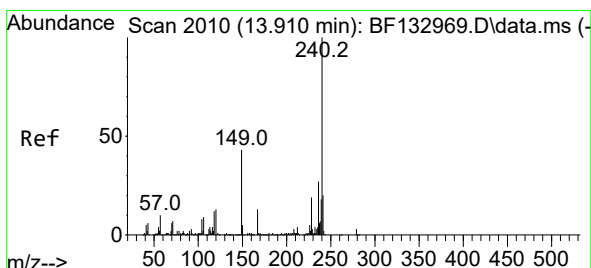
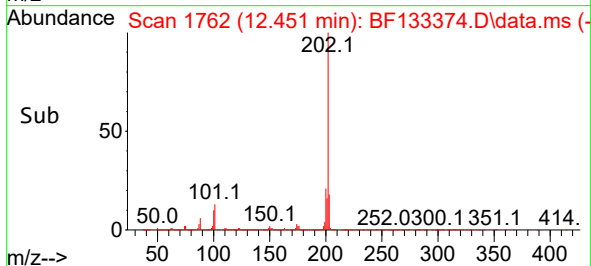
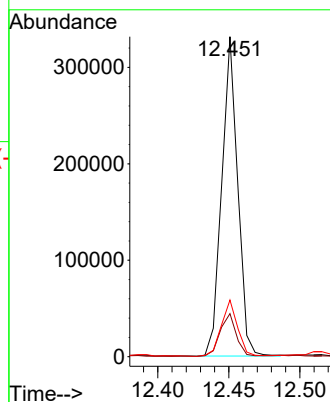
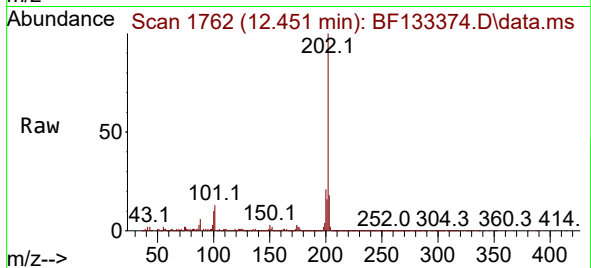
Tgt Ion:	202	Resp:	25862
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	35.3
203	17.7	0.0	38.1

Manual Integrations

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Supervised By :Yogesh Patel 05/16/2023



#76

Chrysene-d12

Concen: 20.000 ng

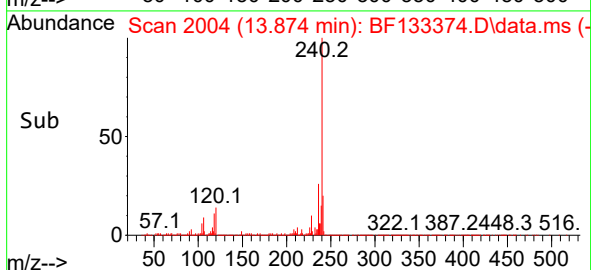
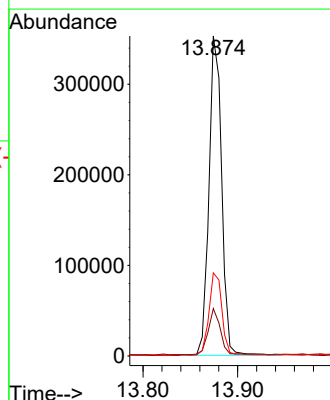
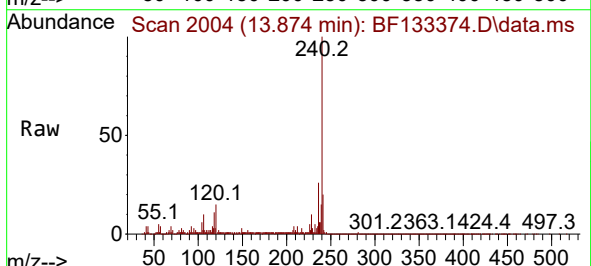
RT: 13.874 min Scan# 2004

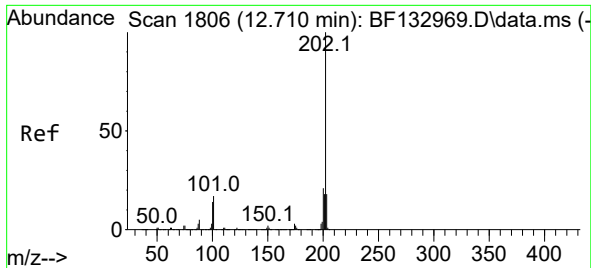
Delta R.T. -0.006 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

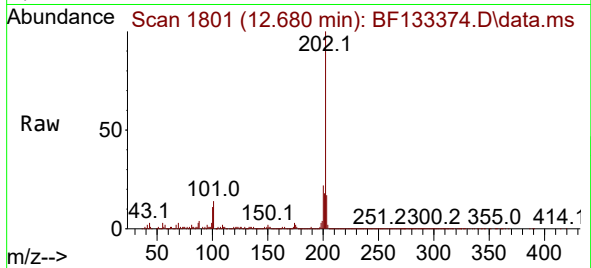
Tgt Ion:	240	Resp:	327403
Ion Ratio	Lower	Upper	
240	100		
120	14.8	10.5	15.7
236	26.0	21.5	32.3





#78
Pyrene
Concen: 8.783 ng
RT: 12.680 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

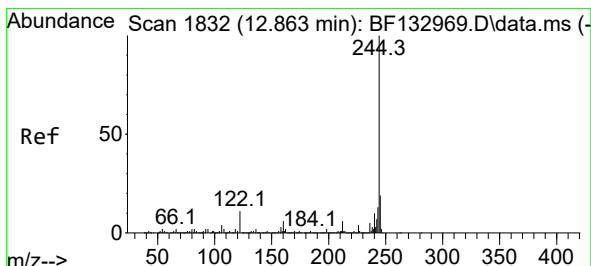
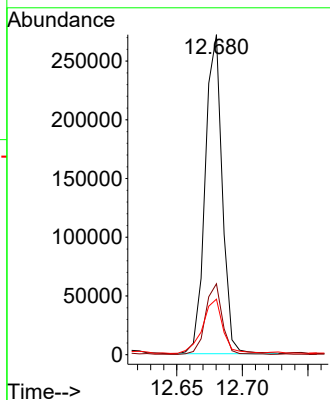
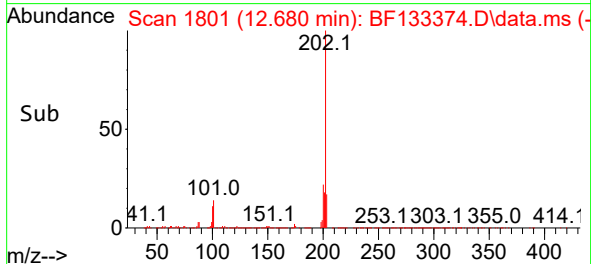
Instrument :
BNA_F
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SB-03-0-2-20230510



Tgt Ion:202 Resp: 246510
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 17.3 14.1 21.1

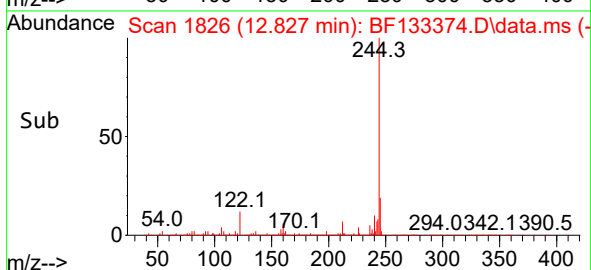
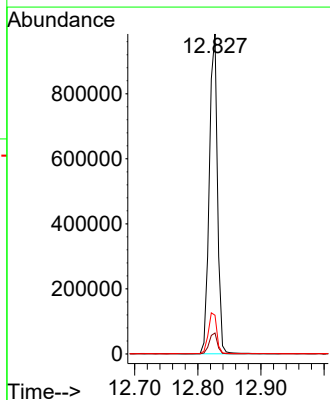
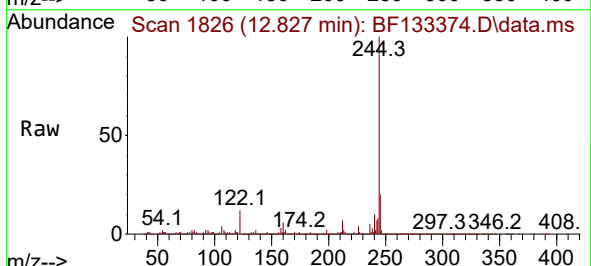
Manual Integrations
APPROVED

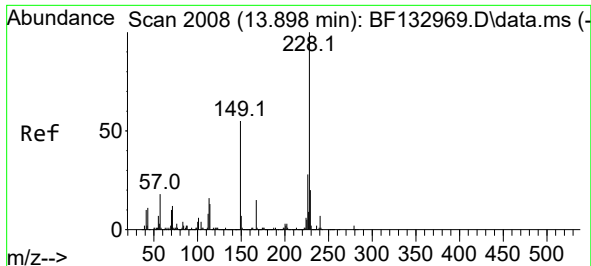
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#79
Terphenyl-d14
Concen: 46.771 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:244 Resp: 887876
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 12.1 8.6 13.0





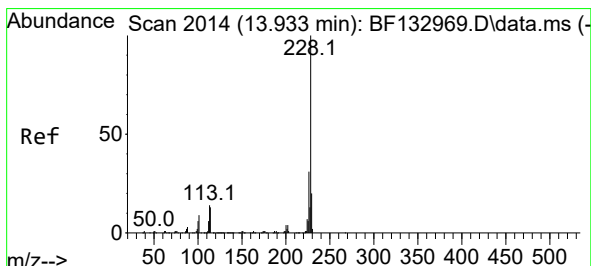
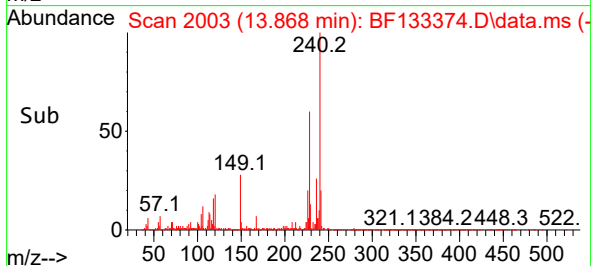
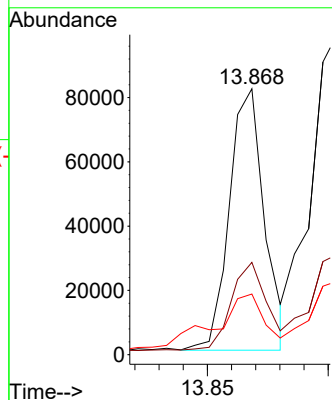
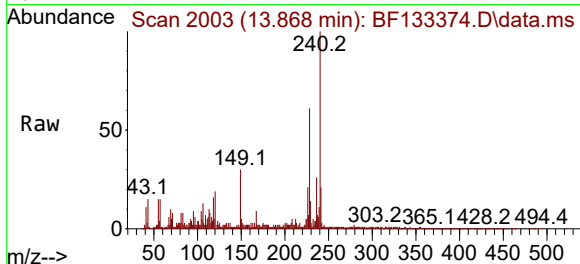
#81
Benzo(a)anthracene
Concen: 3.640 ng m
RT: 13.868 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

Tgt Ion:228 Resp: 81950
Ion Ratio Lower Upper
228 100
226 34.7 22.2 33.4
229 22.8 16.0 24.0

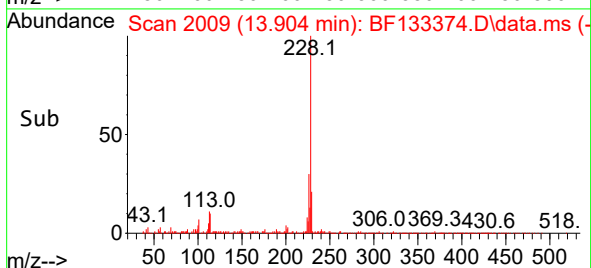
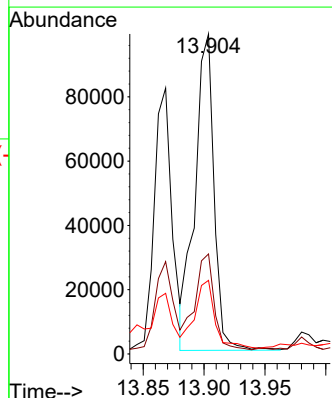
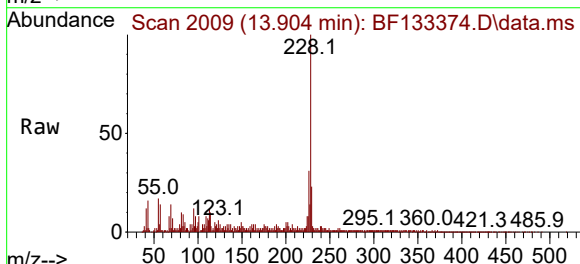
Manual Integrations
APPROVED

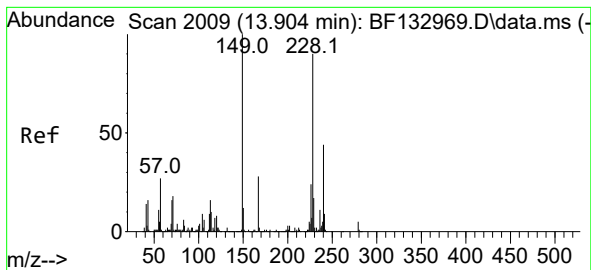
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#83
Chrysene
Concen: 4.797 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

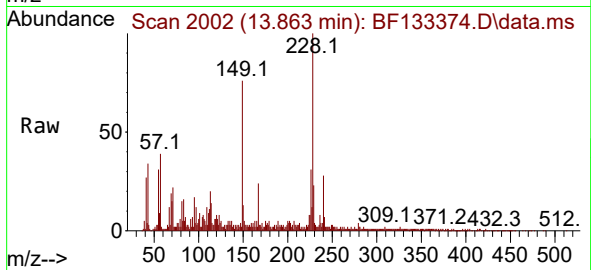
Tgt Ion:228 Resp: 107975
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 23.0 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.767 ng
RT: 13.863 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

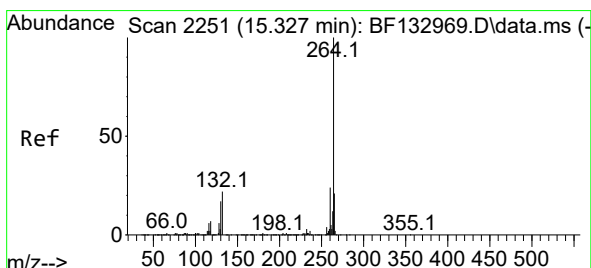
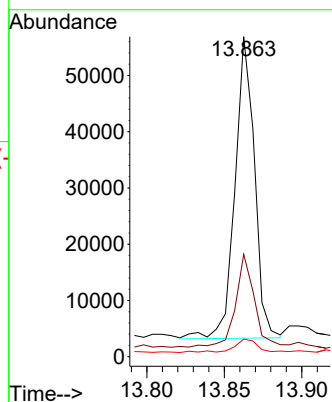
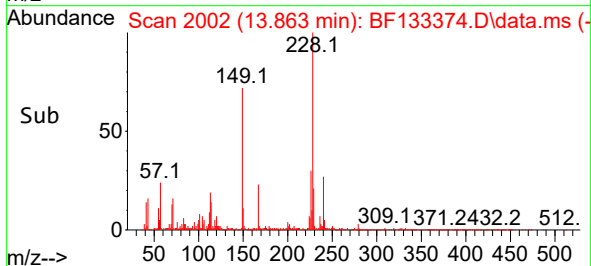
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



Tgt Ion:149 Resp: 46988
Ion Ratio Lower Upper
149 100
167 32.0 22.5 33.7
279 5.5 4.2 6.4

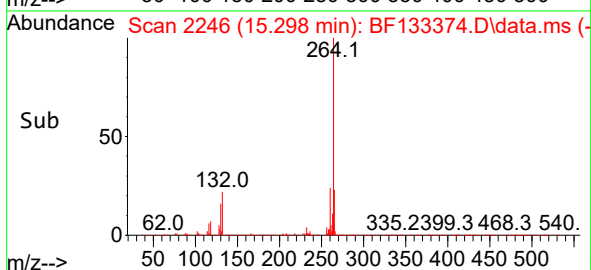
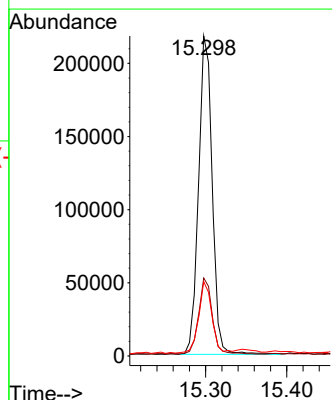
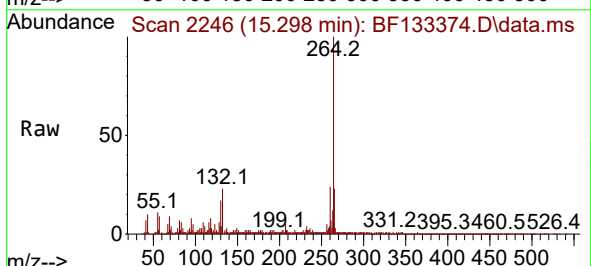
Manual Integrations
APPROVED

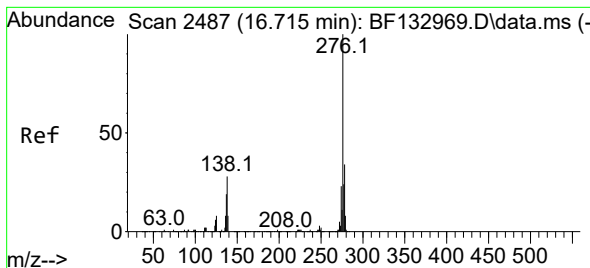
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. 0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:264 Resp: 255460
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 23.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.486 ng

RT: 16.680 min Scan# 2487

Delta R.T. 0.000 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

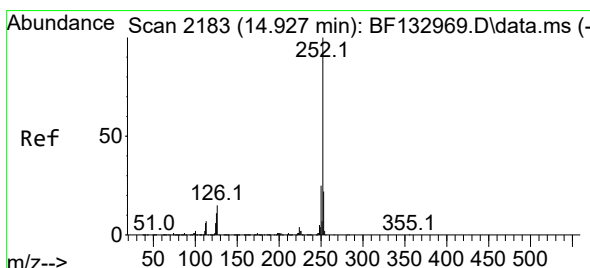
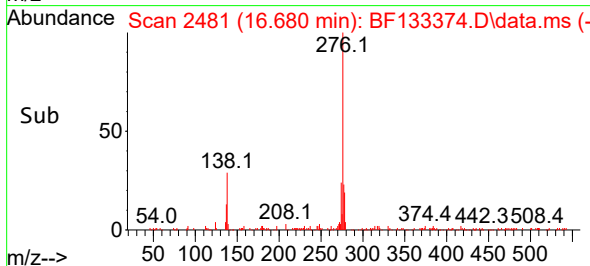
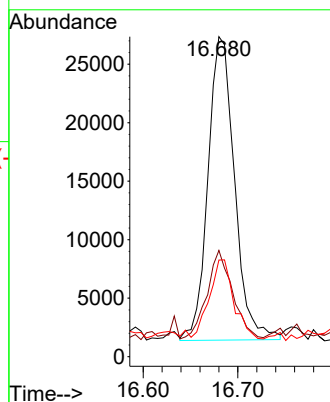
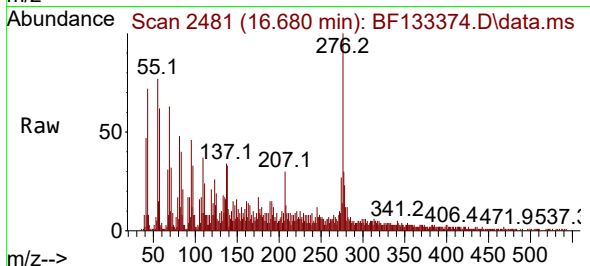
SB-03-0-2-20230510

Tgt Ion:	276	Resp:	50650
Ion Ratio	Lower	Upper	
276	100		
138	26.9	25.5	38.3
277	24.1	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#88

Benzo(b)fluoranthene

Concen: 6.806 ng m

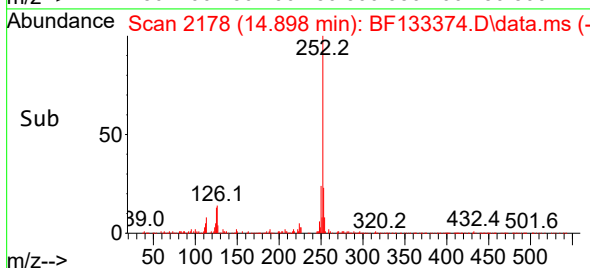
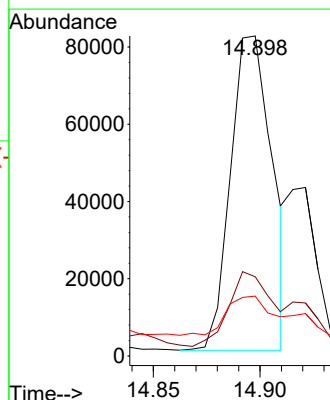
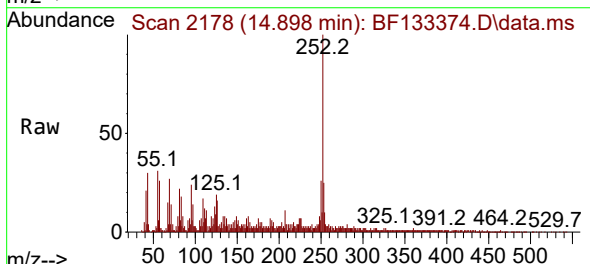
RT: 14.898 min Scan# 2178

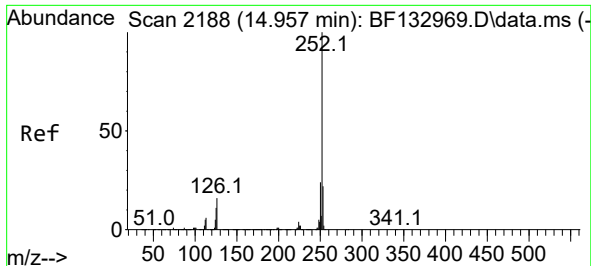
Delta R.T. 0.006 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

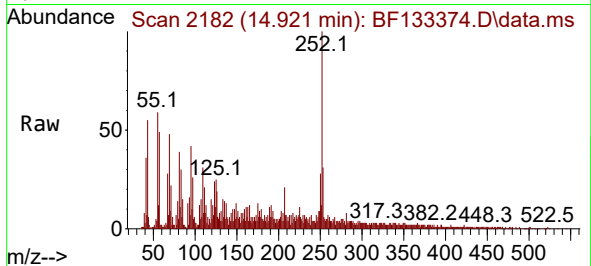
Tgt Ion:	252	Resp:	110615
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.6	26.4
125	18.7	8.9	13.3





#89
Benzo(k)fluoranthene
Concen: 2.380 ng m
RT: 14.921 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

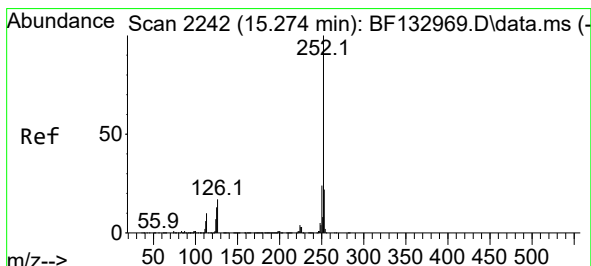
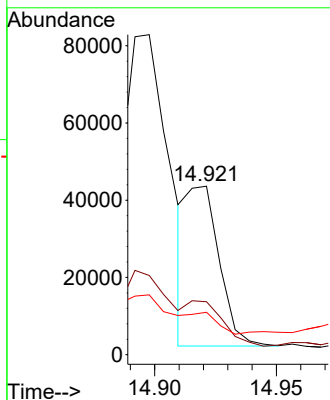
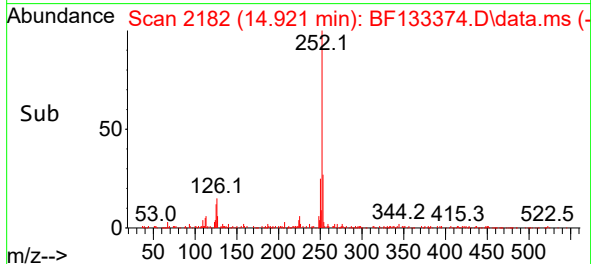
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510



Tgt Ion:252 Resp: 38350
Ion Ratio Lower Upper
252 100
253 31.4 17.7 26.5
125 25.2 9.0 13.4

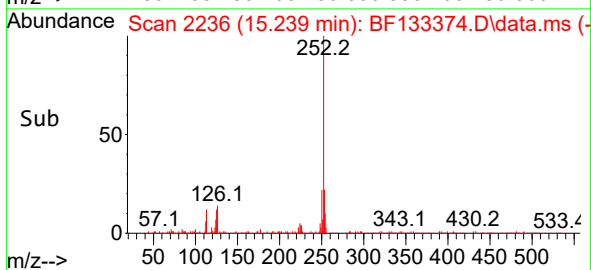
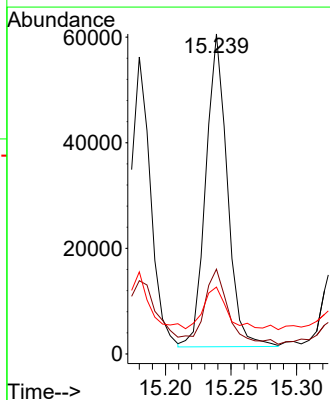
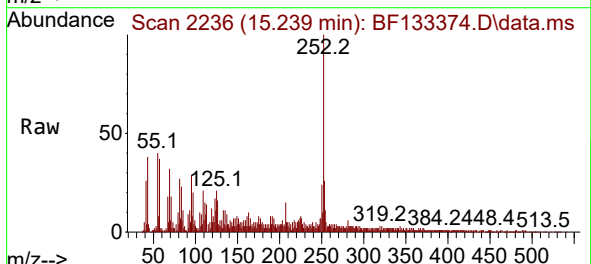
Manual Integrations
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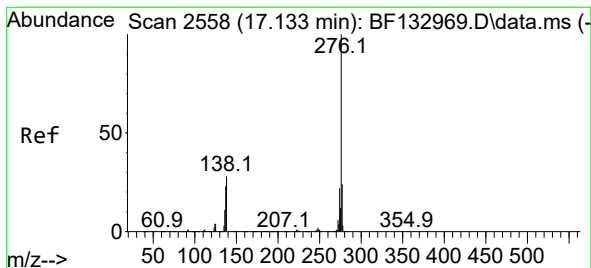
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#90
Benzo(a)pyrene
Concen: 4.557 ng
RT: 15.239 min Scan# 2236
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:252 Resp: 67416
Ion Ratio Lower Upper
252 100
253 26.5 17.7 26.5
125 20.9 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 4.201 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133374.D

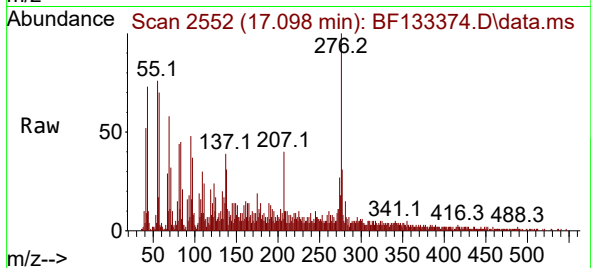
Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510



Tgt Ion:276 Resp: 5026

Ion Ratio Lower Upper

276 100

277 30.5 19.4 29.0

138 30.7 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Yogesh Patel 05/16/2023

