

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133370.D
 Acq On : 12 May 2023 15:34
 Operator : CG\JU
 Sample : 02753-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-051123

Manual Integrations
 APPROVED

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

Quant Time: May 12 16:02:14 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	6.716	152	185445	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	730831	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	362968	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	597374	20.000	ng	0.00
76) Chrysene-d12	13.874	240	380761	20.000	ng	0.00
86) Perylene-d12	15.292	264	406152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1096399	89.311	ng	0.00
7) Phenol-d6	6.363	99	1327030	87.091	ng	0.00
23) Nitrobenzene-d5	7.281	82	802913	59.301	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	305203	83.610	ng	-0.01
45) 2-Fluorobiphenyl	9.080	172	1416000	65.267	ng	0.00
79) Terphenyl-d14	12.827	244	1297138	58.754	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.257	178	186906	5.821	ng	98
75) Fluoranthene	12.445	202	228987	7.106	ng	93
78) Pyrene	12.674	202	204553	6.267	ng	98
81) Benzo(a)anthracene	13.863	228	107520	4.106	ng	97
83) Chrysene	13.898	228	99247m	3.791	ng	
88) Benzo(b)fluoranthene	14.886	252	126058m	4.879	ng	
90) Benzo(a)pyrene	15.227	252	81091	3.448	ng	# 89

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

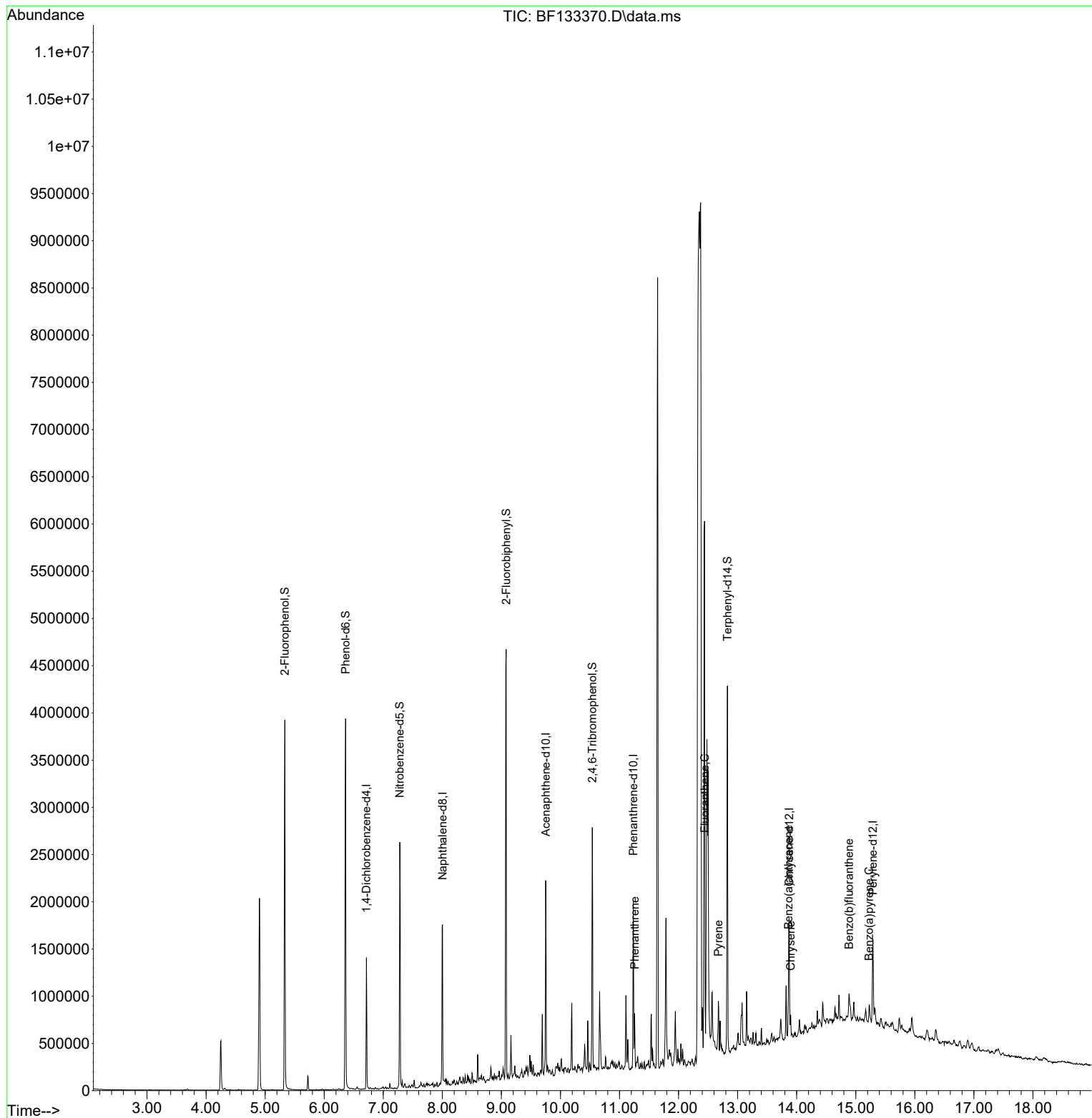
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133370.D
Acq On : 12 May 2023 15:34
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Sample : 02753-01
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ALS Vial : 6 Sample Multiplier: 1

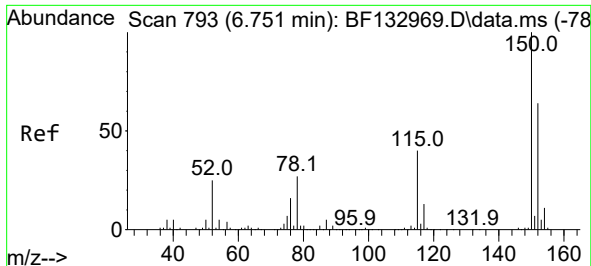
Instrument :
BNA_F
ClientSampleId :
OE-3-051123

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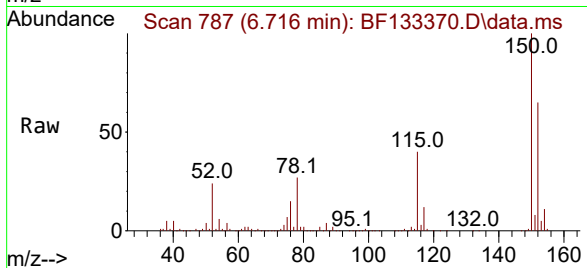
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

OE-3-051123

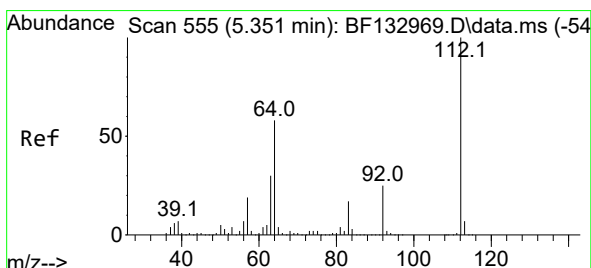
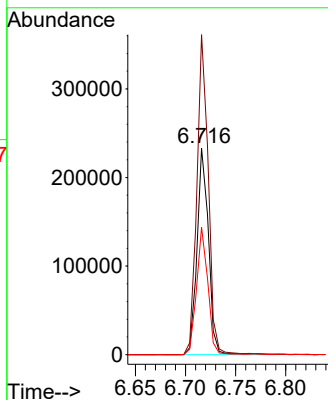
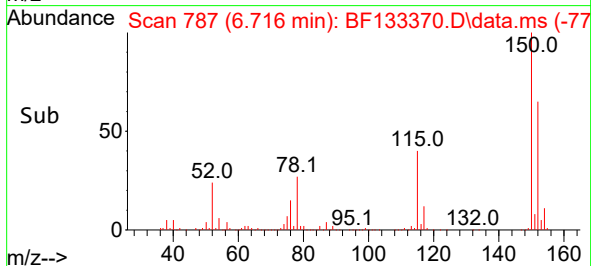


Tgt Ion:152 Resp: 18544
Ion Ratio Lower Upper
152 100
150 154.9 124.8 187.2
115 61.7 49.9 74.9

Manual Integrations

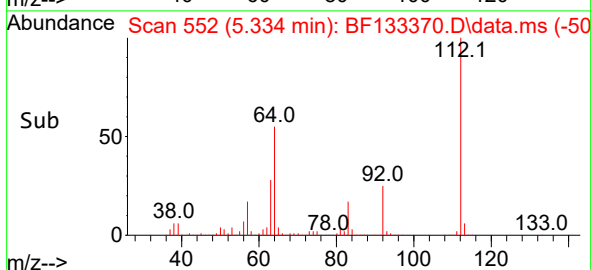
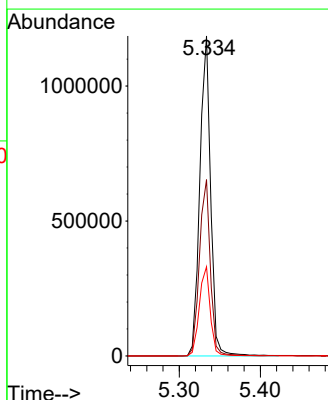
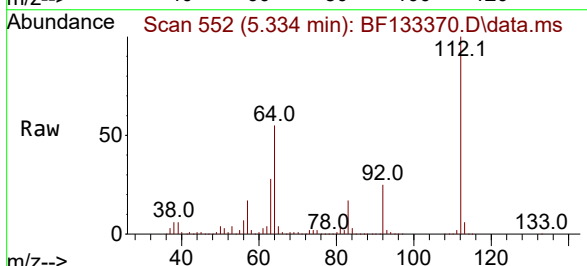
APPROVED

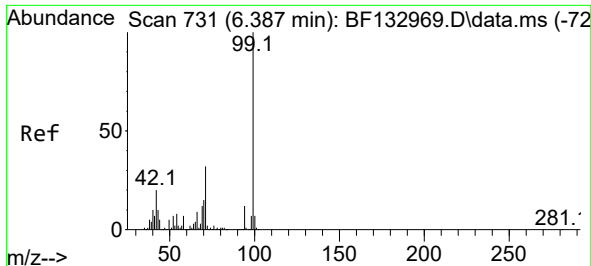
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#5
2-Fluorophenol
Concen: 89.311 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

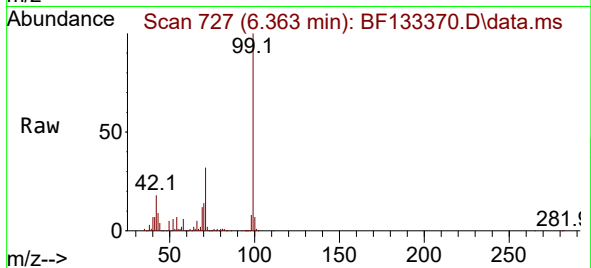
Tgt Ion:112 Resp: 1096399
Ion Ratio Lower Upper
112 100
64 55.1 46.8 70.2
63 27.8 23.8 35.8





#7
Phenol-d6
Concen: 87.091 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

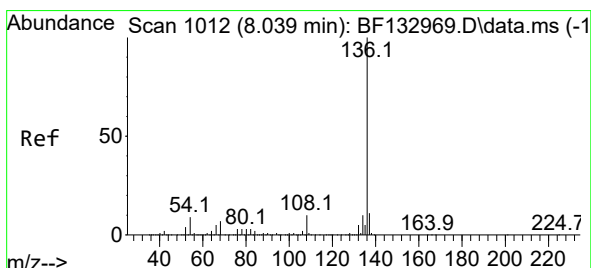
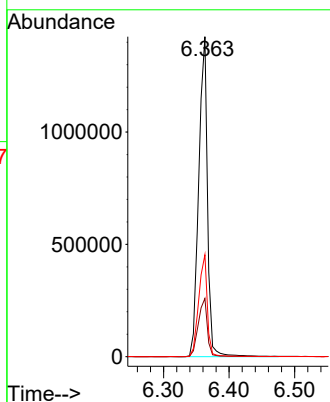
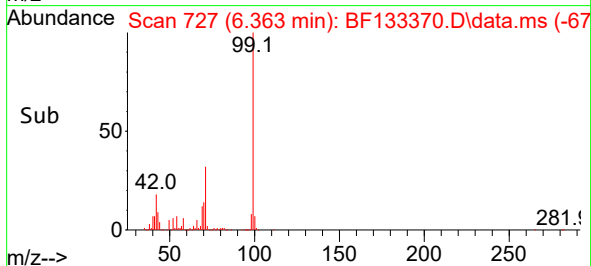
Instrument :
BNA_F
ClientSampleId :
OE-3-051123



Tgt Ion: 99 Resp: 1327030
Ion Ratio Lower Upper
99 100
42 18.2 16.3 24.5
71 31.9 25.6 38.4

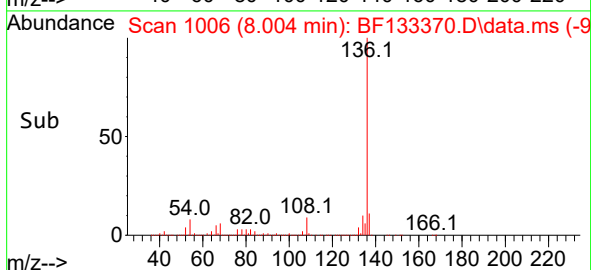
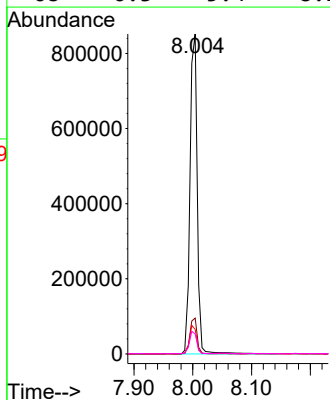
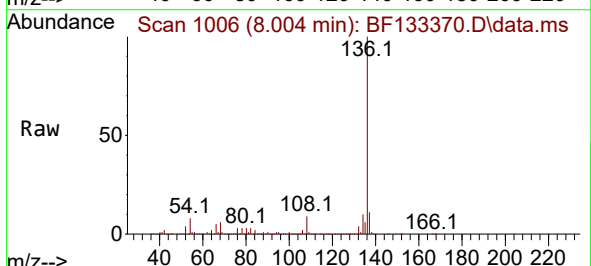
Manual Integrations
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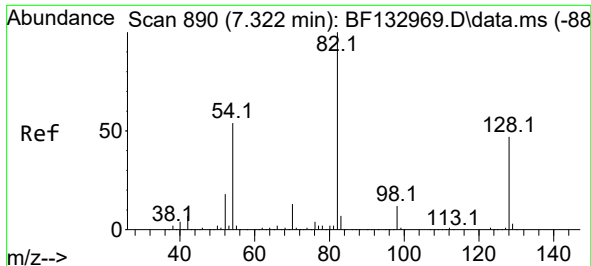
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Tgt Ion:136 Resp: 730831
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.7 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 59.301 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133370.D

Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

OE-3-051123

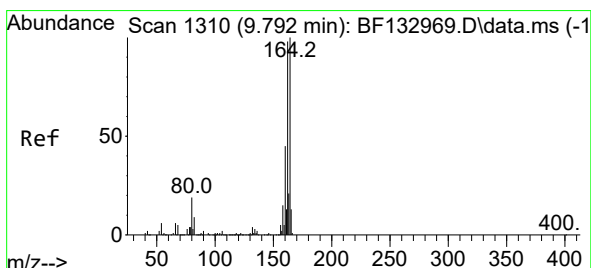
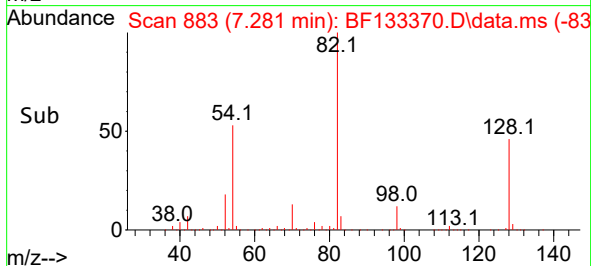
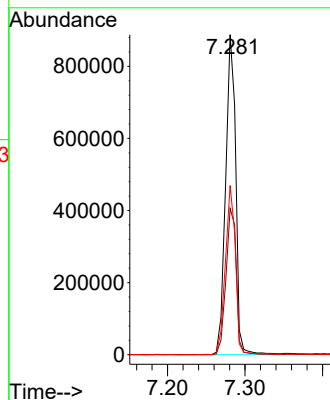
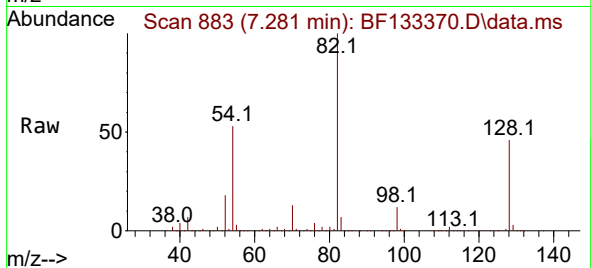
Tgt Ion: 82 Resp: 80291

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.7	56.5
54	52.9	43.0	64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

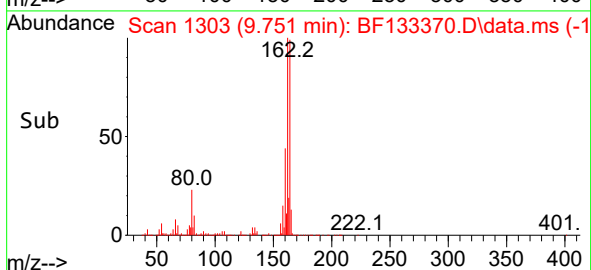
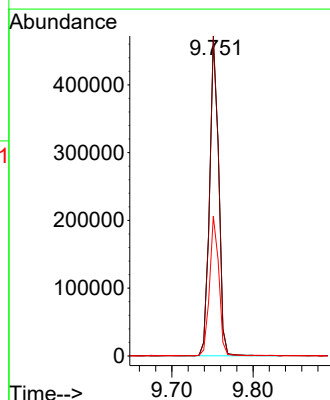
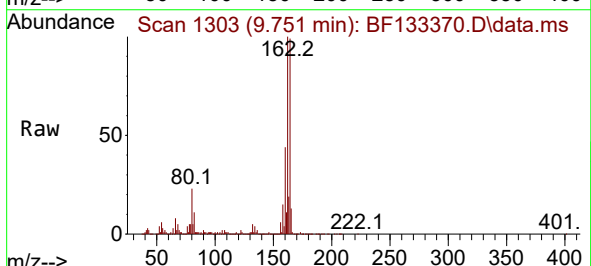
Delta R.T. -0.006 min

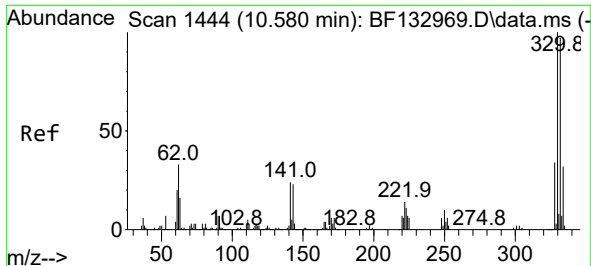
Lab File: BF133370.D

Acq: 12 May 2023 15:34

Tgt Ion:164 Resp: 362968

Ion	Ratio	Lower	Upper
164	100		
162	101.1	78.7	118.1
160	44.2	35.8	53.6





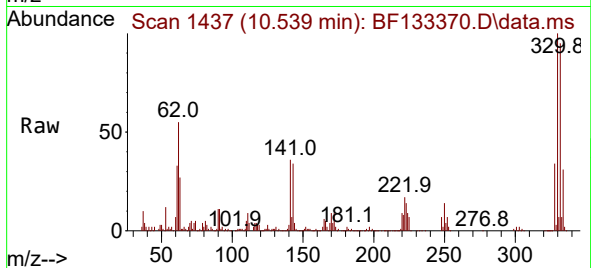
#42
2,4,6-Tribromophenol
Concen: 83.610 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

OE-3-051123

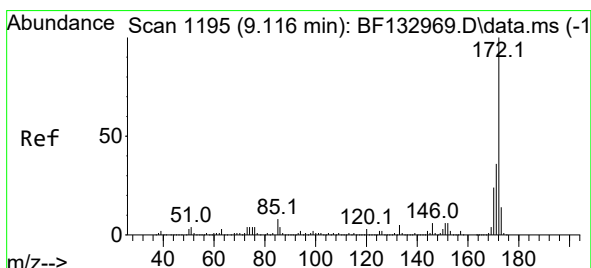
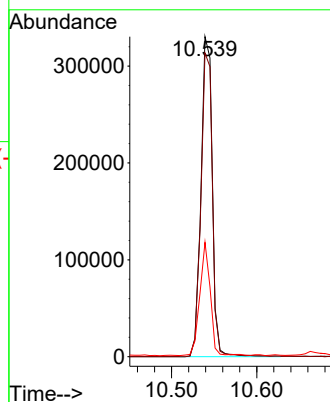
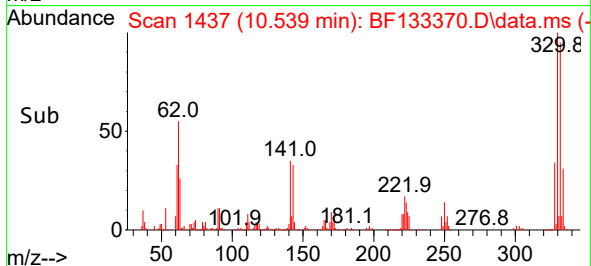


Tgt Ion: 330 Resp: 305200
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 32.3 25.8 38.8

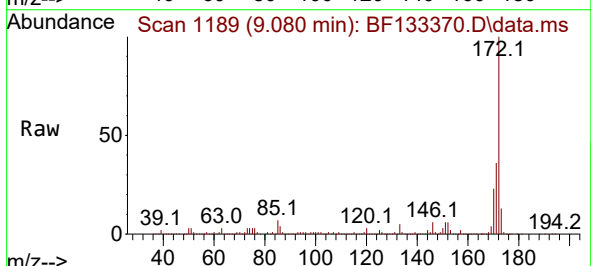
Manual Integrations

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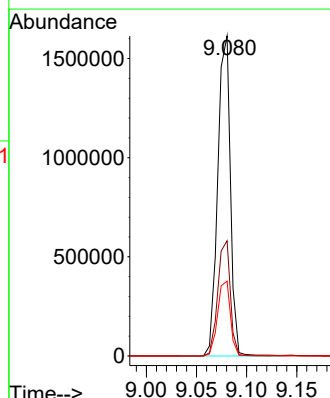
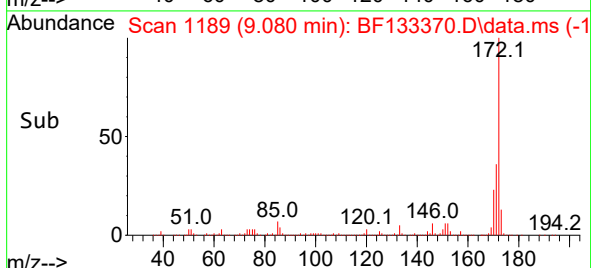
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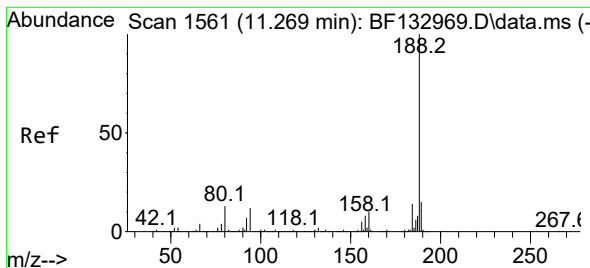


#45
2-Fluorobiphenyl
Concen: 65.267 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34



Tgt Ion: 172 Resp: 1416000
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.4 19.4 29.2





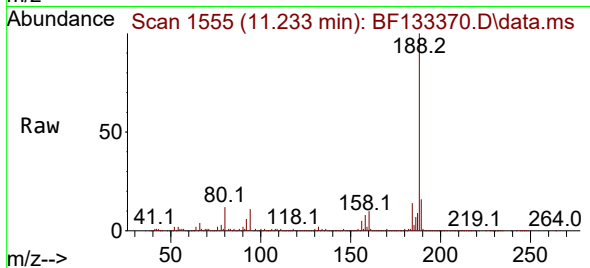
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

OE-3-051123

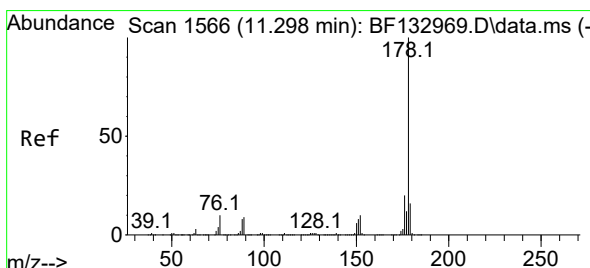
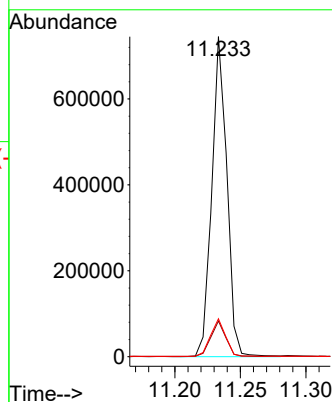
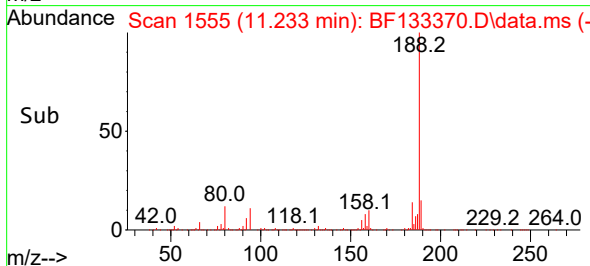


Tgt Ion:188 Resp: 597374
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 11.9 10.4 15.6

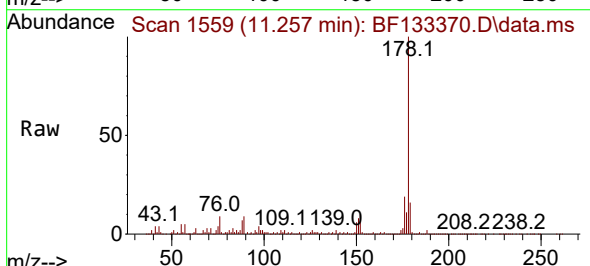
Manual Integrations

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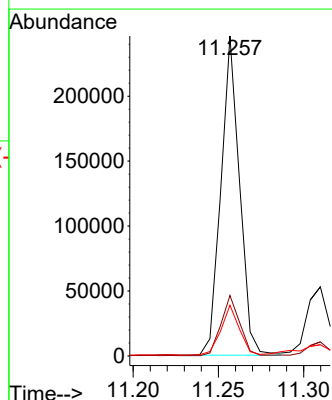
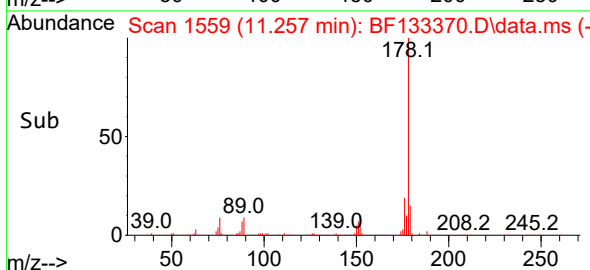
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

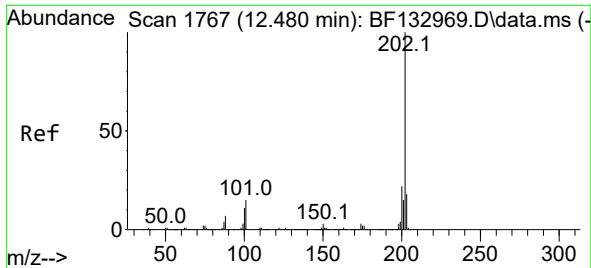


#71
Phenanthrene
Concen: 5.821 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34



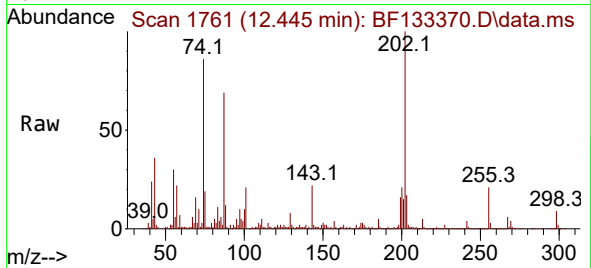
Tgt Ion:178 Resp: 186906
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.9 12.5 18.7





#75
Fluoranthene
Concen: 7.106 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

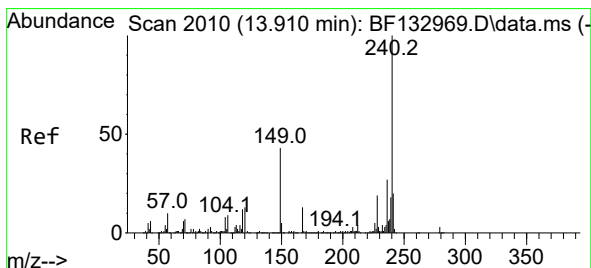
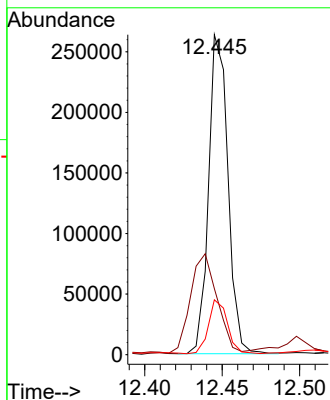
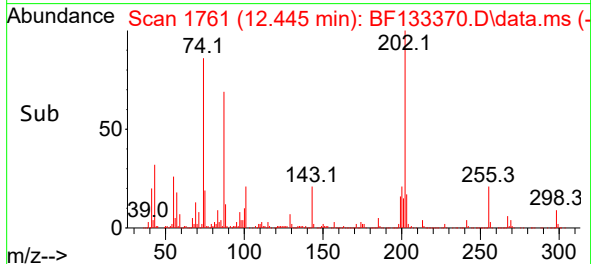
Instrument :
BNA_F
ClientSampleId :
OE-3-051123



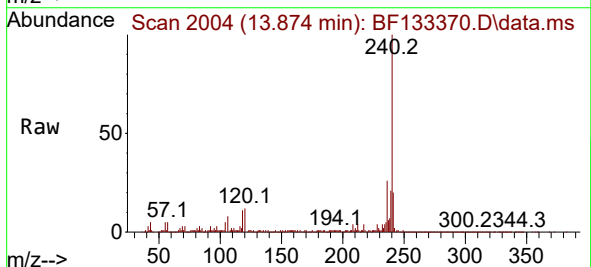
Tgt Ion:202 Resp: 22898
Ion Ratio Lower Upper
202 100
101 20.7 0.0 35.3
203 17.2 0.0 38.1

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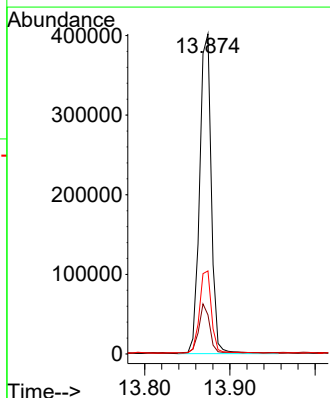
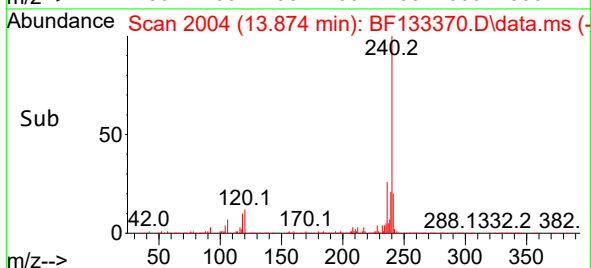
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

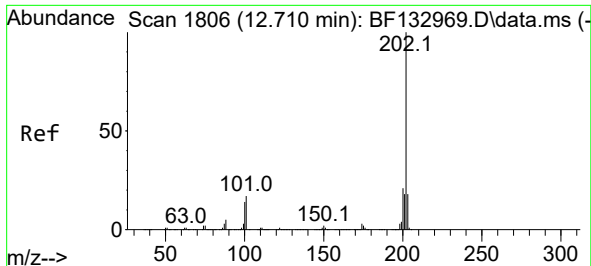


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34



Tgt Ion:240 Resp: 380761
Ion Ratio Lower Upper
240 100
120 12.2 10.5 15.7
236 26.0 21.5 32.3





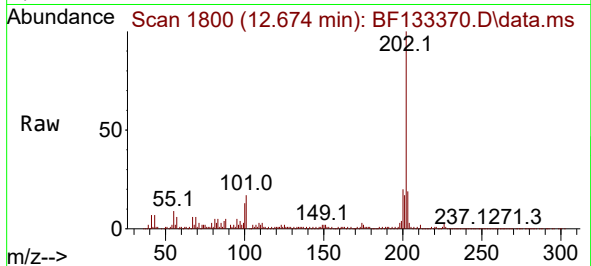
#78
Pyrene
Concen: 6.267 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

OE-3-051123

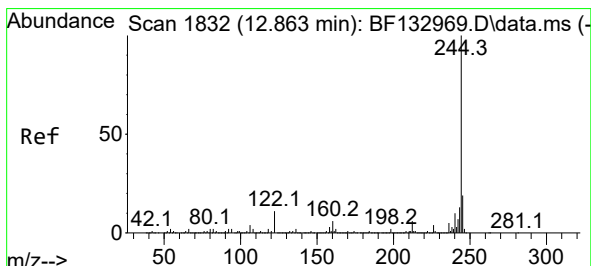
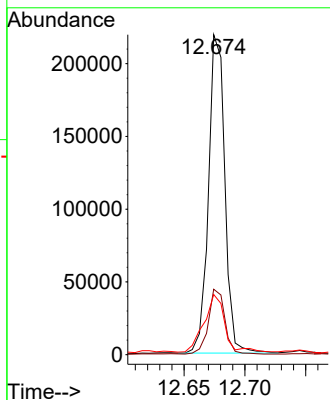
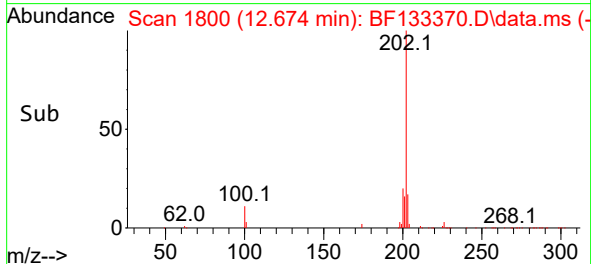


Tgt Ion:202 Resp: 20455
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 18.8 14.1 21.1

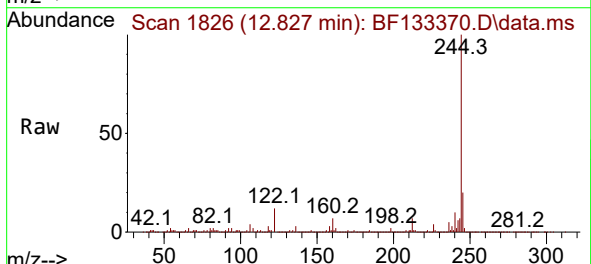
Manual Integrations

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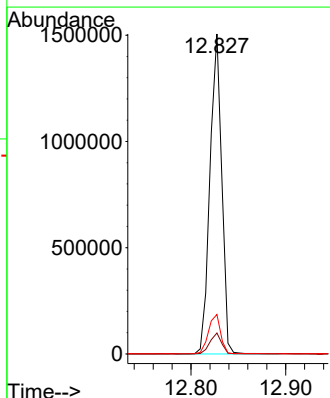
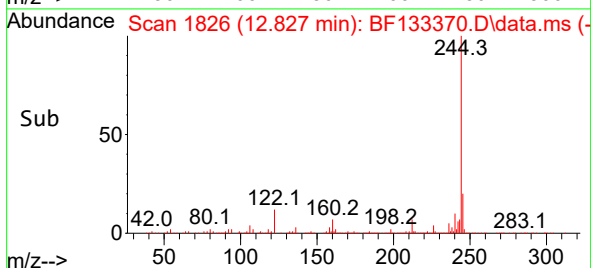
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

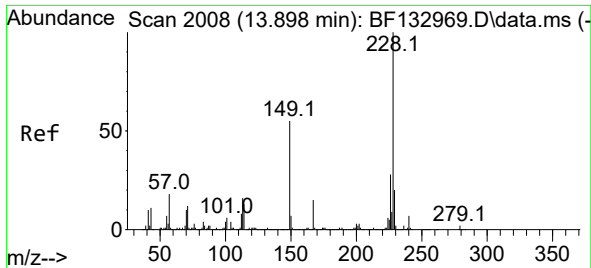


#79
Terphenyl-d14
Concen: 58.754 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34



Tgt Ion:244 Resp: 1297138
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 12.4 8.6 13.0





#81
Benzo(a)anthracene
Concen: 4.106 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

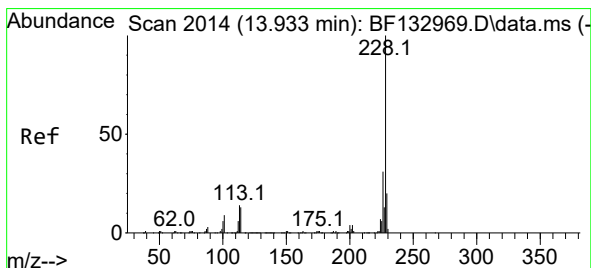
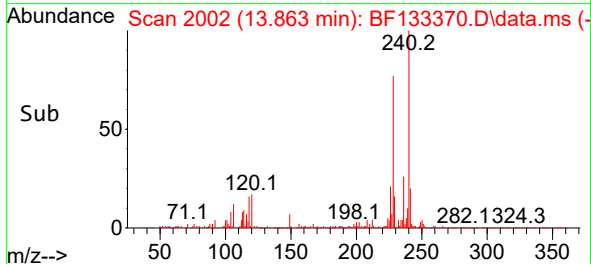
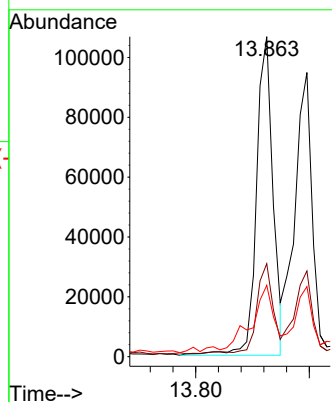
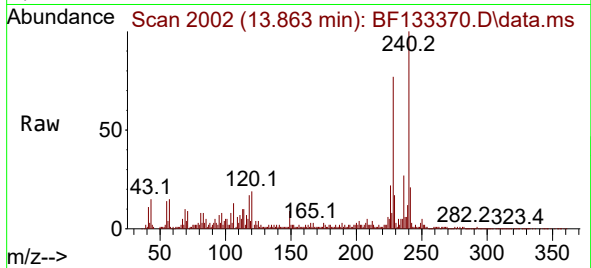
ClientSampleId :

OE-3-051123

Tgt Ion:228 Resp: 107520
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 22.3 16.0 24.0

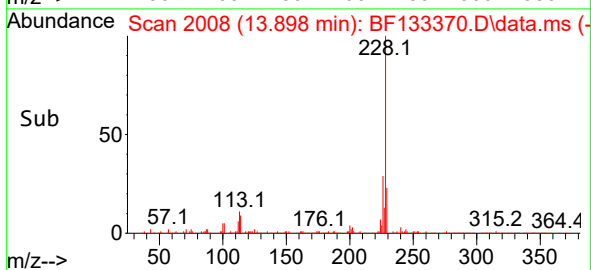
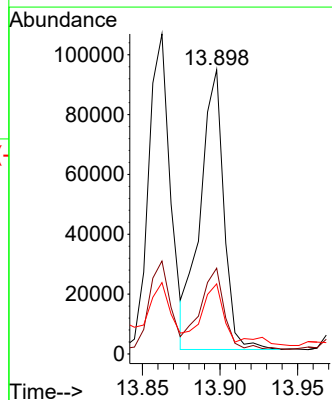
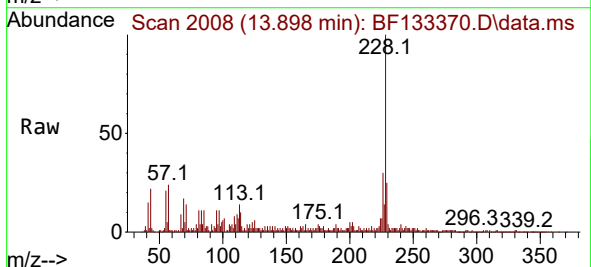
Manual Integrations
APPROVED

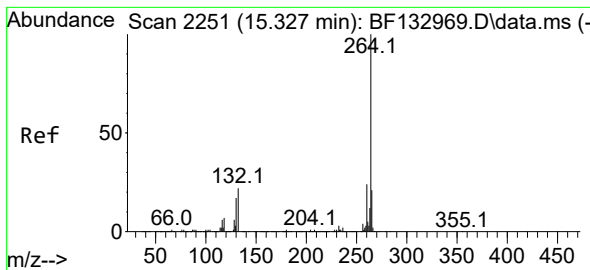
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#83
Chrysene
Concen: 3.791 ng m
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Tgt Ion:228 Resp: 99247
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 24.6 16.1 24.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

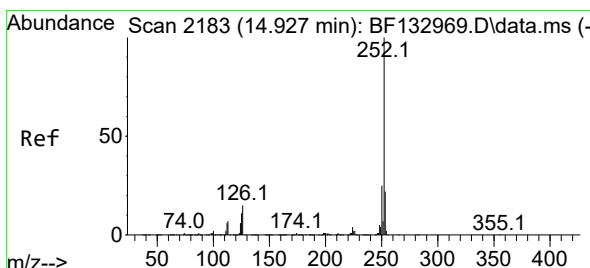
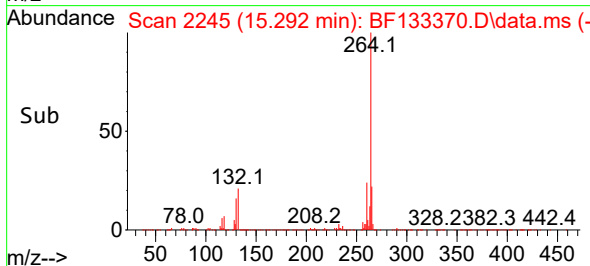
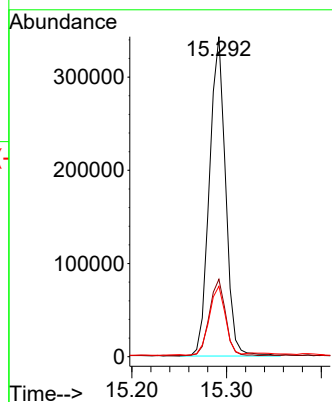
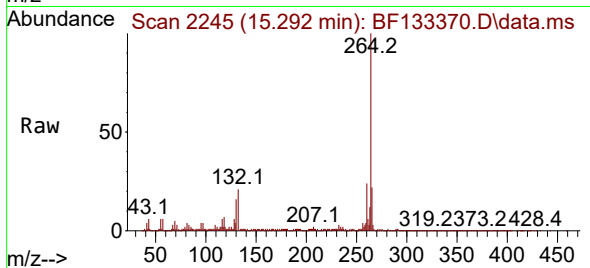
OE-3-051123

Tgt Ion:264 Resp: 40615
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.0 17.0 25.4

Manual Integrations

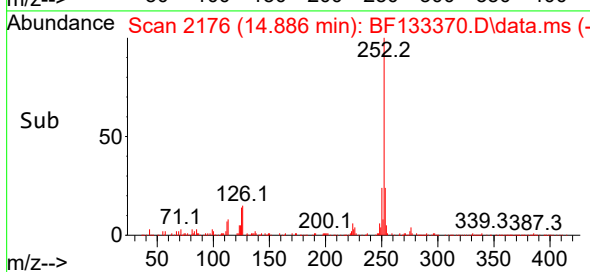
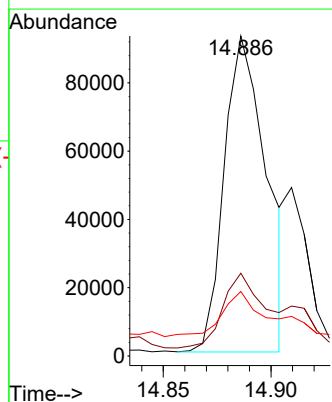
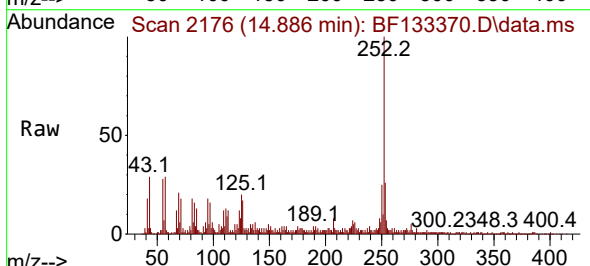
APPROVED

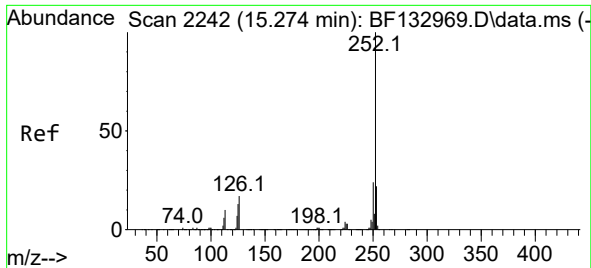
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#88
Benzo(b)fluoranthene
Concen: 4.879 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Tgt Ion:252 Resp: 126058
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 20.2 8.9 13.3#





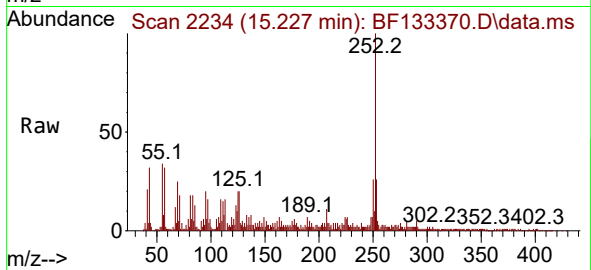
#90
Benzo(a)pyrene
Concen: 3.448 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133370.D
Acq: 12 May 2023 15:34

Instrument :

BNA_F

ClientSampleId :

OE-3-051123



Tgt Ion:252 Resp: 8109
Ion Ratio Lower Upper
252 100
253 25.6 17.7 26.5
125 19.5 10.5 15.7

Manual Integrations

APPROVED

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

