

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128083.D
 Acq On : 04 May 2022 20:45
 Operator : CG\JU
 Sample : N2669-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-050322

Quant Time: May 05 06:07:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/05/2022
 Supervised By :Jagrut Upadhyay 05/05/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	83538	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	291754	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	146610	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	261571	20.000	ng	0.00
76) Chrysene-d12	14.104	240	163528	20.000	ng	0.00
86) Perylene-d12	15.615	264	114561	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	408306	77.850	ng	0.00
7) Phenol-d6	6.540	99	518584	76.201	ng	-0.01
23) Nitrobenzene-d5	7.475	82	358087	57.715	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	126048	85.405	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	558213	64.413	ng	0.00
79) Terphenyl-d14	13.039	244	598759	66.953	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.222	128	47915	3.225	ng	96
37) 2-Methylnaphthalene	8.910	142	34227	3.485	ng	97
38) 1-Methylnaphthalene	9.010	142	34986	3.665	ng	96
49) Acenaphthylene	9.816	152	79515	6.288	ng	98
58) Fluorene	10.504	166	59994	6.554	ng	97
71) Phenanthrene	11.475	178	417399	30.485	ng	99
72) Anthracene	11.527	178	95996	7.038	ng	99
75) Fluoranthene	12.669	202	468474	32.509	ng	98
78) Pyrene	12.904	202	524864	39.760	ng	99
81) Benzo(a)anthracene	14.092	228	202823	18.608	ng	# 88
83) Chrysene	14.127	228	208410	20.021	ng	96
87) Indeno(1,2,3-cd)pyrene	17.157	276	88711	11.601	ng	# 95
88) Benzo(b)fluoranthene	15.168	252	199005m	27.657	ng	
89) Benzo(k)fluoranthene	15.192	252	56732m	7.826	ng	
90) Benzo(a)pyrene	15.551	252	141394	23.690	ng	97
91) Dibenzo(a,h)anthracene	17.168	278	24276	3.958	ng	# 71
92) Benzo(g,h,i)perylene	17.633	276	94918	14.687	ng	98

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

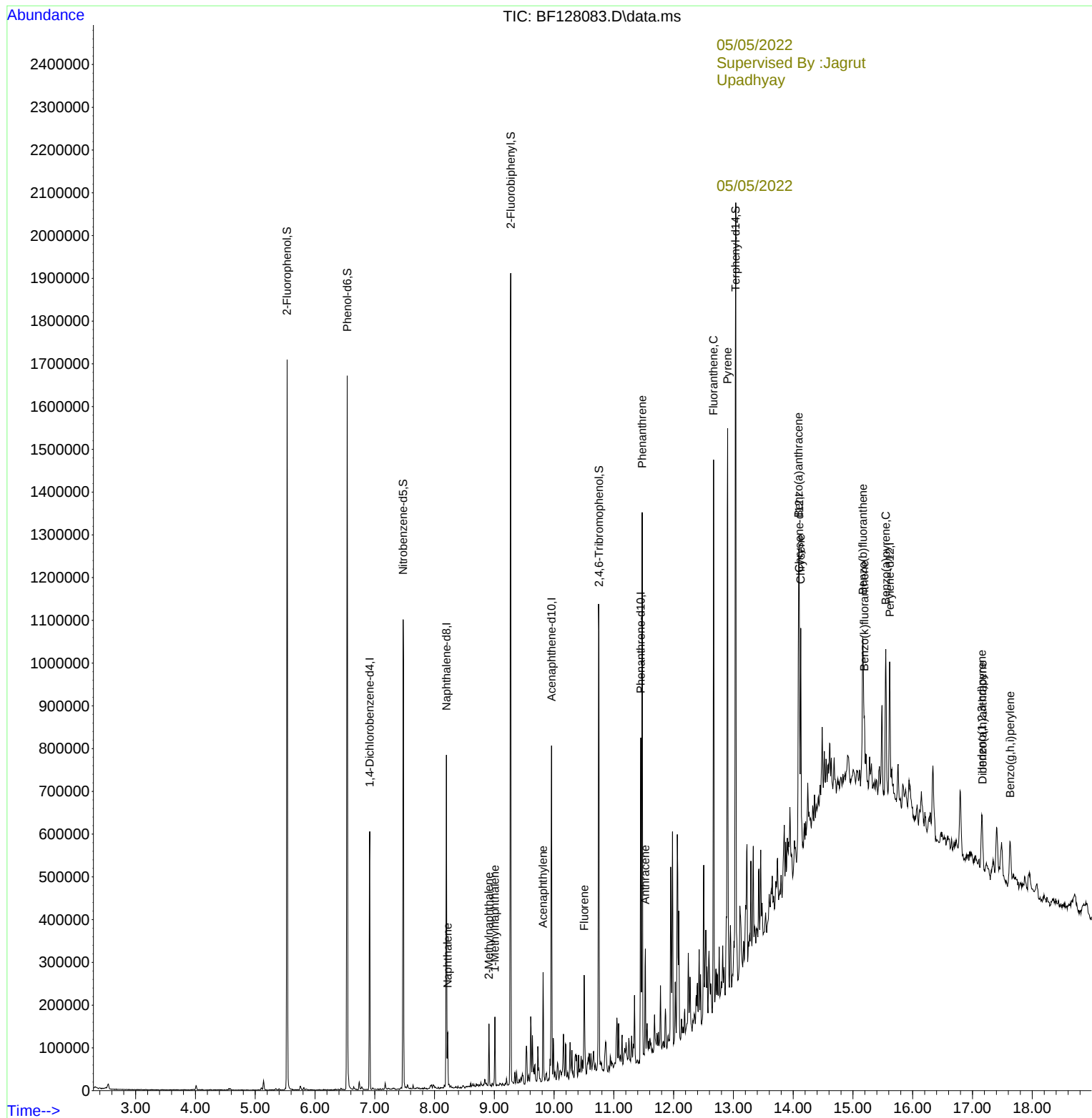
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
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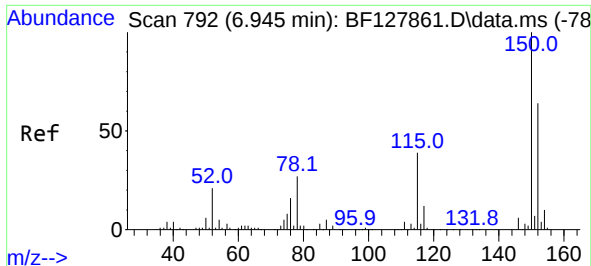
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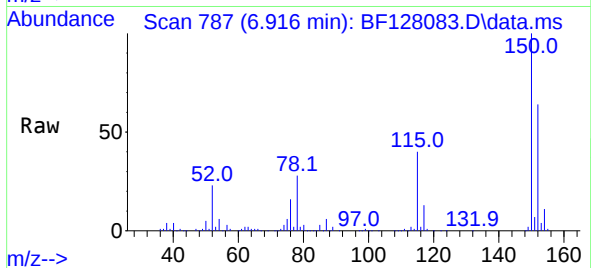
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

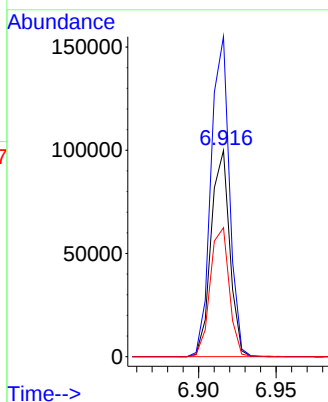
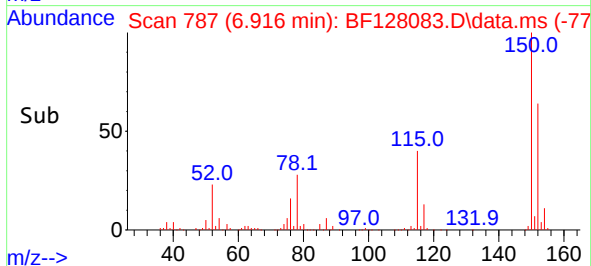
OR-03-050322



Tgt Ion:152 Resp: 83538
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 62.5 48.8 73.2

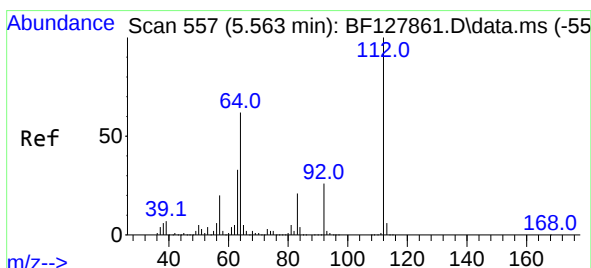
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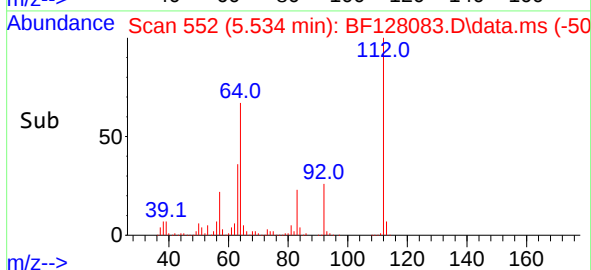
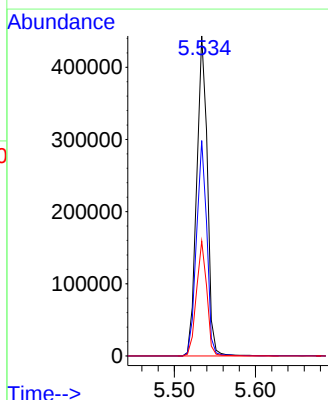
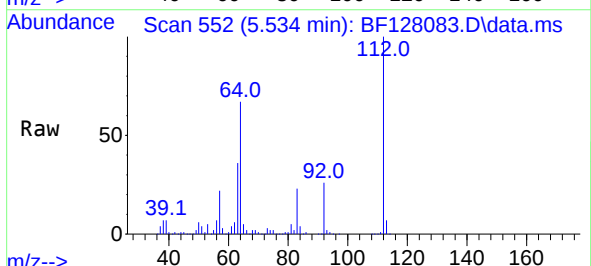
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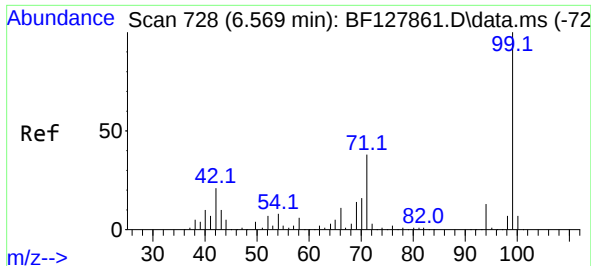
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#5
2-Fluorophenol
Concen: 77.850 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

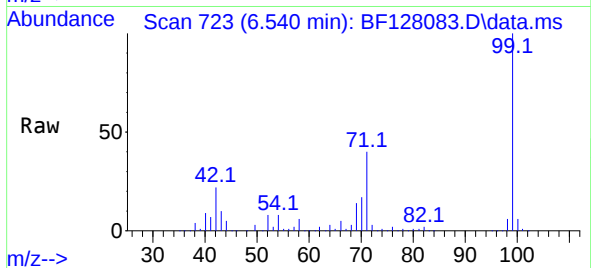
Tgt Ion:112 Resp: 408306
Ion Ratio Lower Upper
112 100
64 67.3 49.5 74.3
63 35.9 26.3 39.5





#7
Phenol-d6
Concen: 76.201 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

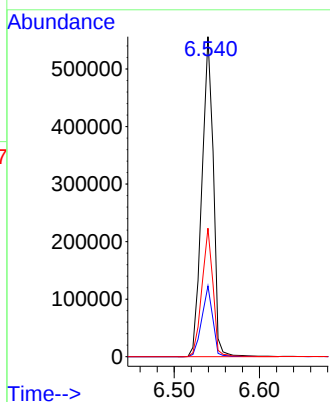
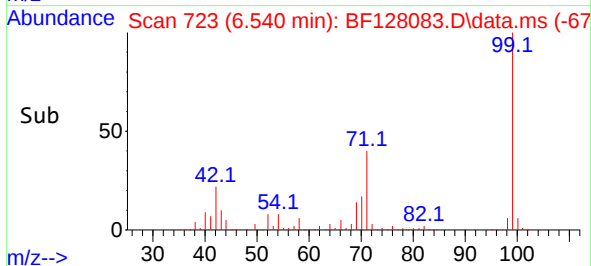
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion: 99 Resp: 51854
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 40.1 30.0 45.0

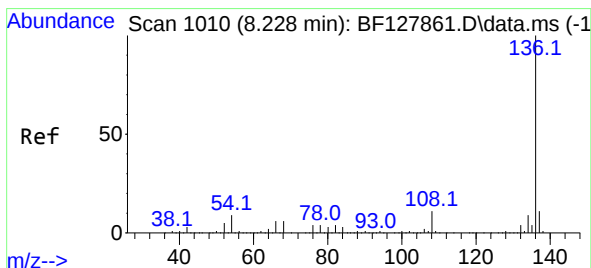
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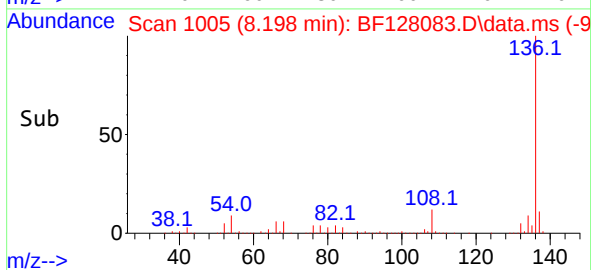
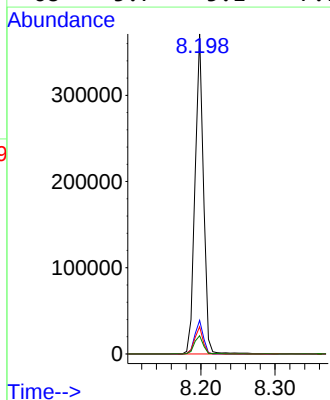
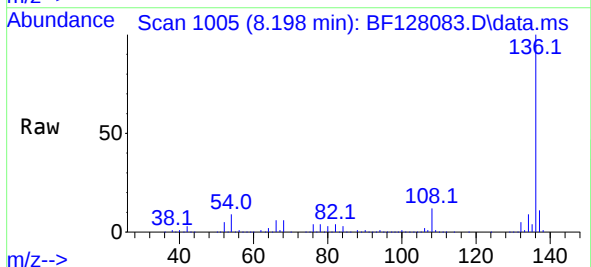
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:136 Resp: 291754
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.5 6.8 10.2
68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 57.715 ng

RT: 7.475 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

Tgt Ion: 82 Resp: 35808

Ion Ratio Lower Upper

82 100

128 36.8 30.0 45.0

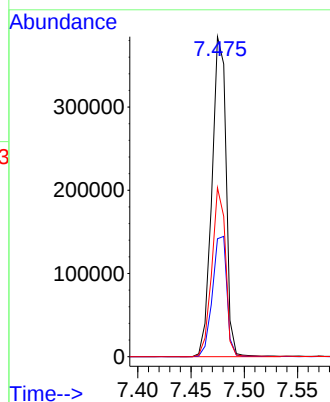
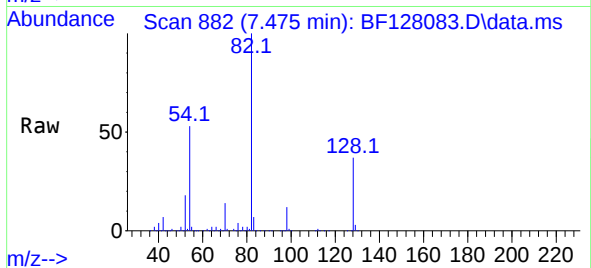
54 52.8 41.3 61.9

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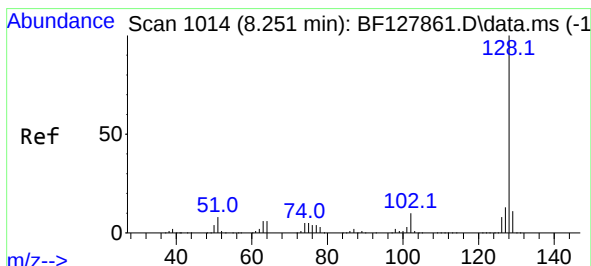
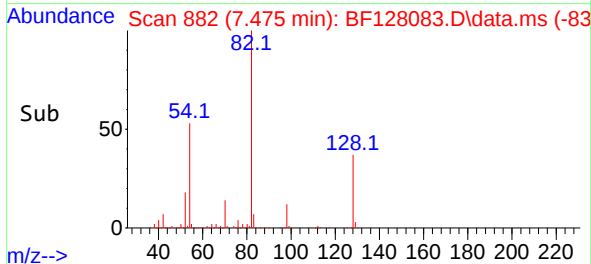
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Upadhyay

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#31

Naphthalene

Concen: 3.225 ng

RT: 8.222 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

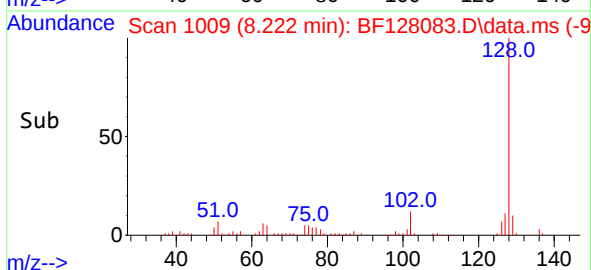
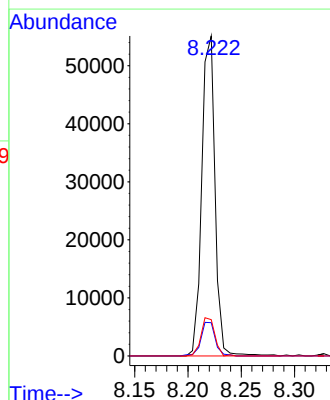
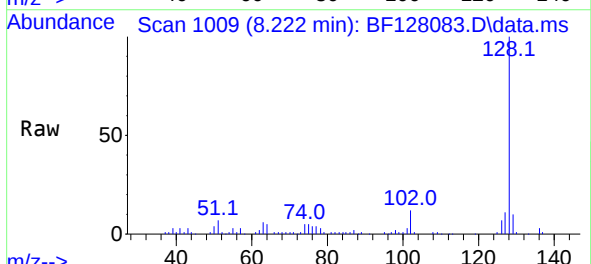
Tgt Ion:128 Resp: 47915

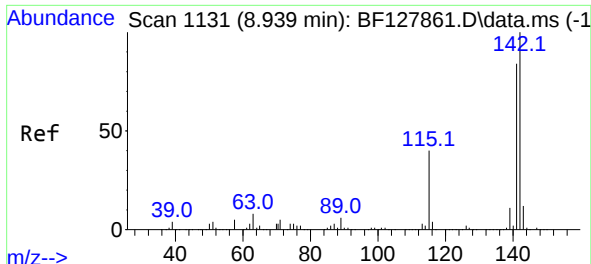
Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

127 11.3 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.485 ng

RT: 8.910 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

Tgt Ion:142 Resp: 3422

Ion Ratio Lower Upper

142 100

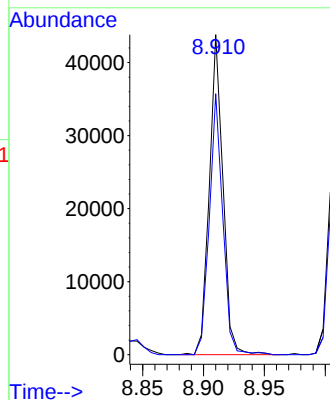
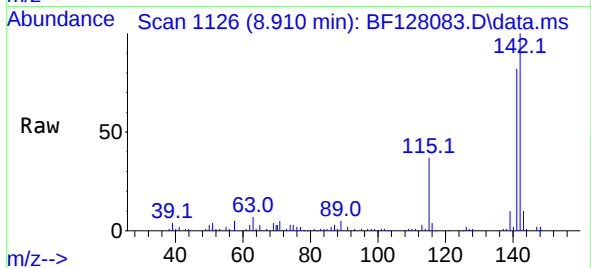
141 81.5 67.4 101.2

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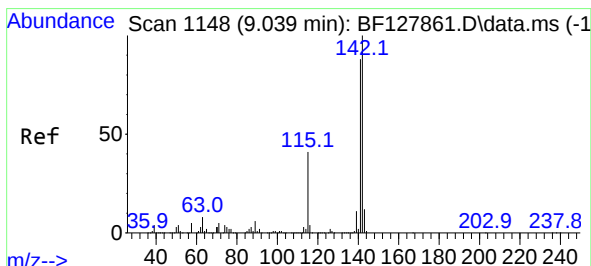
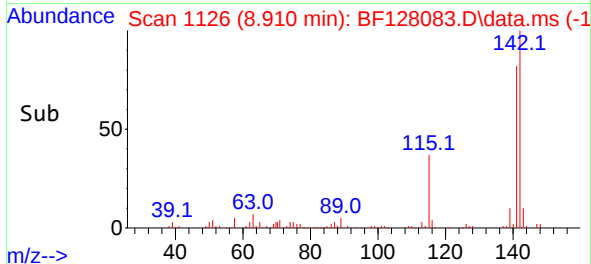


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#38

1-Methylnaphthalene

Concen: 3.665 ng

RT: 9.010 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF128083.D

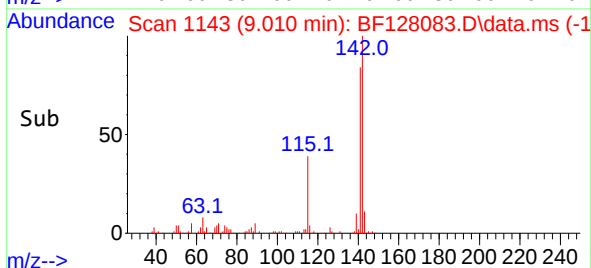
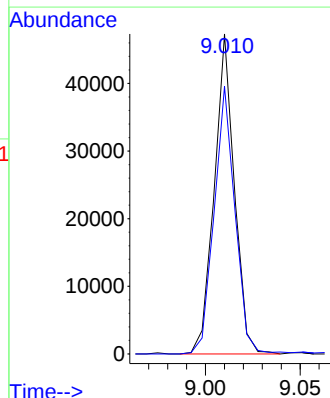
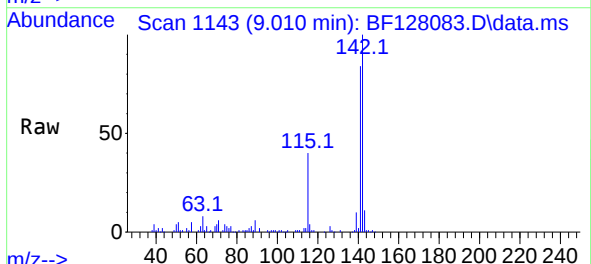
Acq: 04 May 2022 20:45

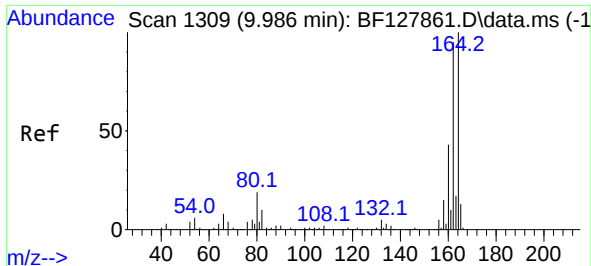
Tgt Ion:142 Resp: 34986

Ion Ratio Lower Upper

142 100

141 83.7 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128083.D

Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

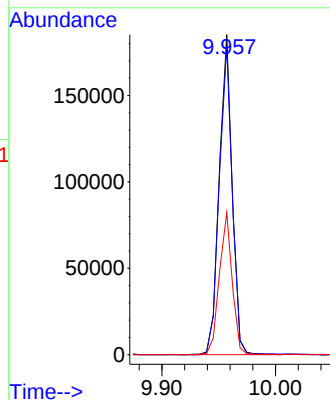
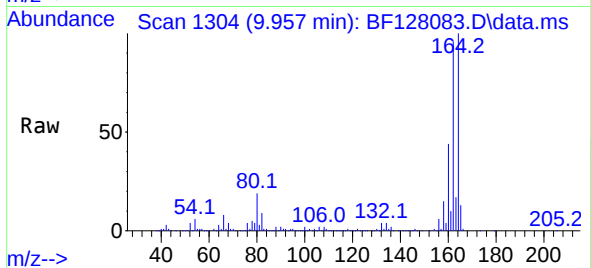
OR-03-050322

Tgt Ion:164 Resp: 146610

Ion	Ratio	Lower	Upper
164	100		
162	96.5	76.0	114.0
160	44.4	34.8	52.2

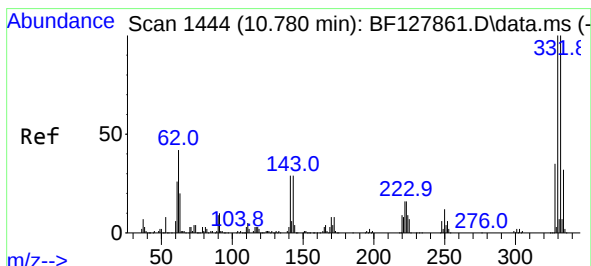
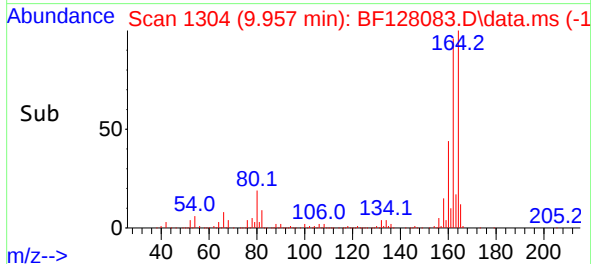
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Upadhyay

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#42

2,4,6-Tribromophenol

Concen: 85.405 ng

RT: 10.751 min Scan# 1439

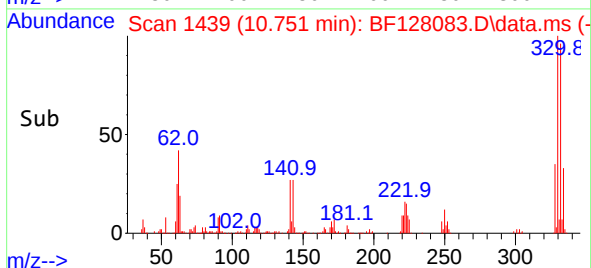
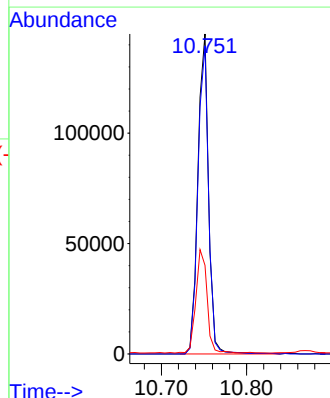
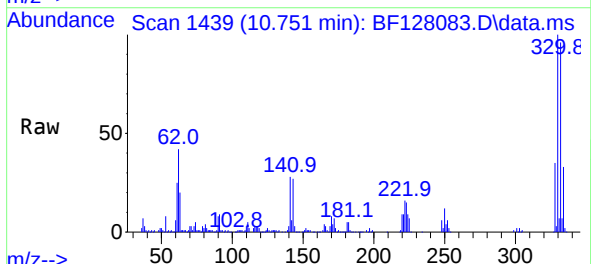
Delta R.T. -0.006 min

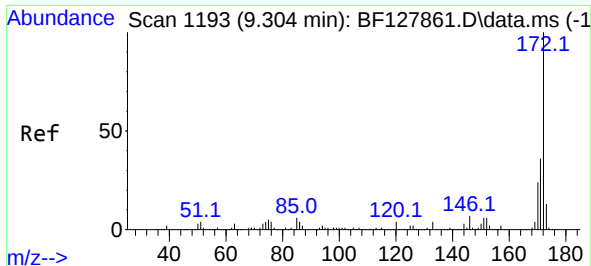
Lab File: BF128083.D

Acq: 04 May 2022 20:45

Tgt Ion:330 Resp: 126048

Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.0	118.4
141	33.7	28.9	43.3





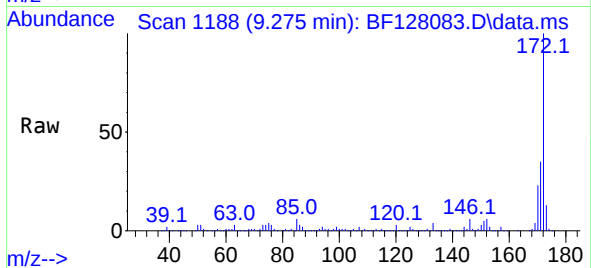
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2-Fluorobiphenyl
Concen: 64.413 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322



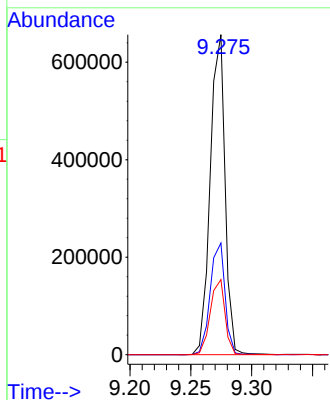
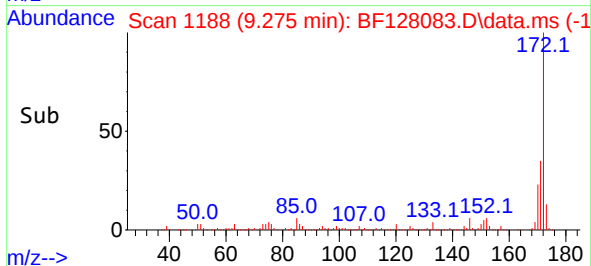
Tgt Ion:172 Resp: 55821
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.4 19.1 28.7

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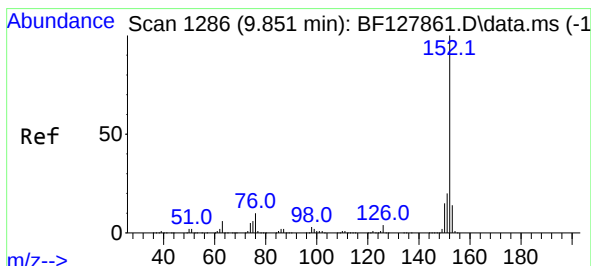
Reviewed By :Christian Giraldo 05/05/2022

Supervised By :Jagrut Upadhyay 05/05/2022

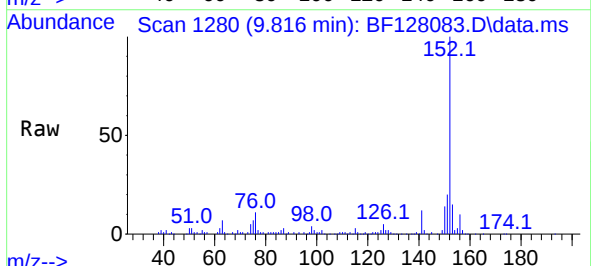


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Upadhyay

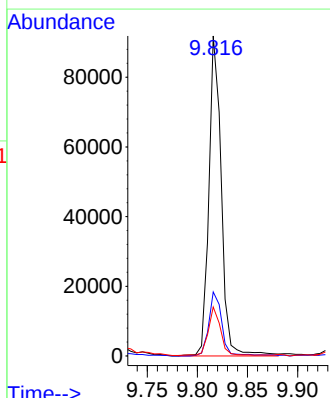
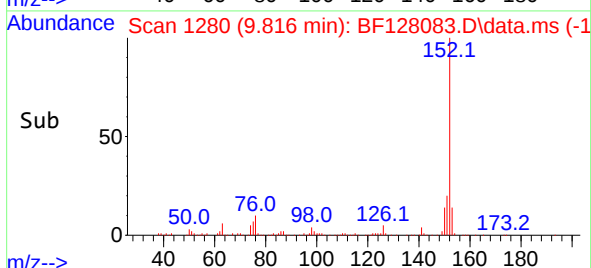
05/05/2022

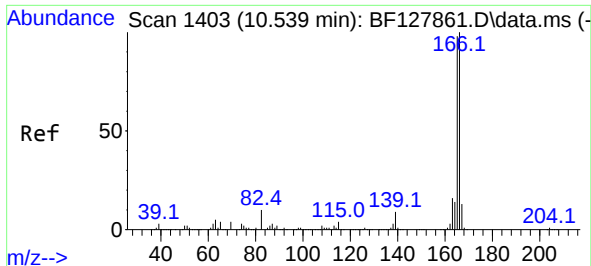


#49
Acenaphthylene
Concen: 6.288 ng
RT: 9.816 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45



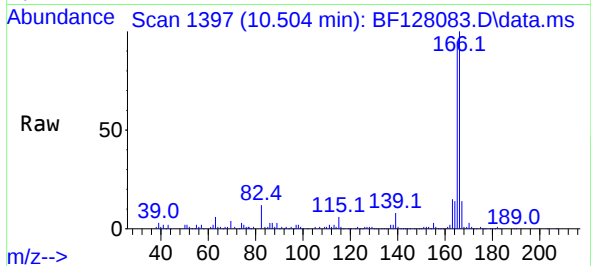
Tgt Ion:152 Resp: 79515
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 15.3 11.2 16.8





#58
Fluorene
Concen: 6.554 ng
RT: 10.504 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

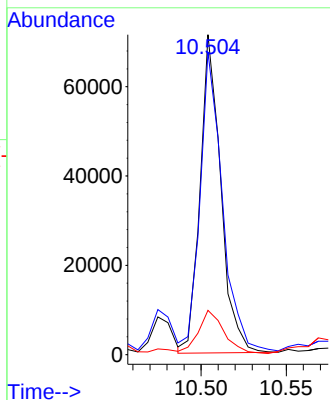
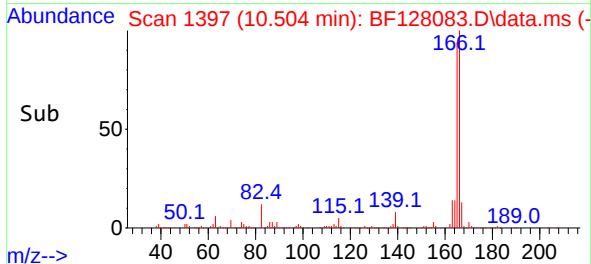
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion:166 Resp: 59994
Ion Ratio Lower Upper
166 100
165 94.6 78.6 117.8
167 13.9 10.5 15.7

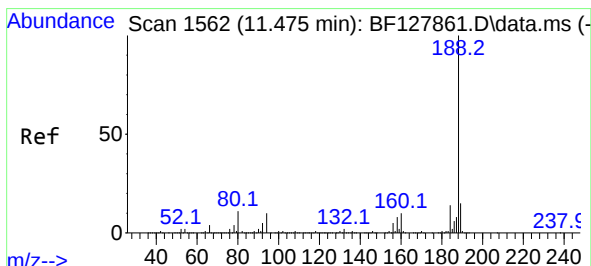
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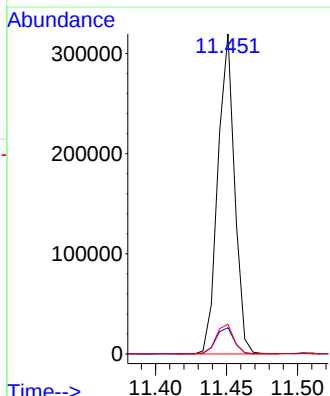
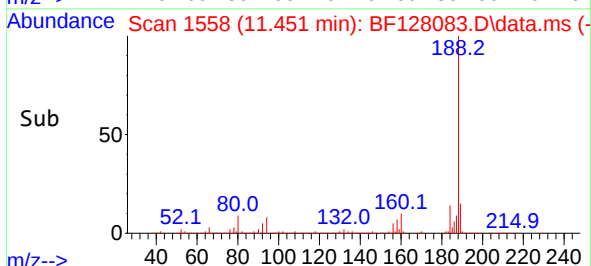
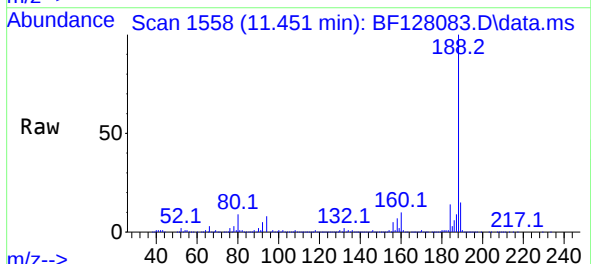
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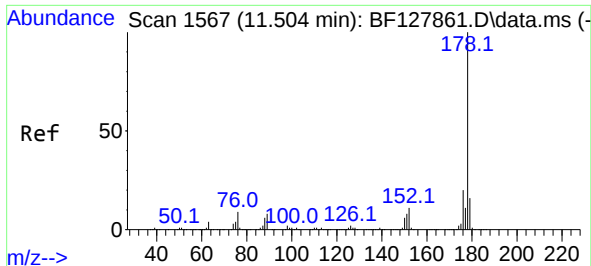
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

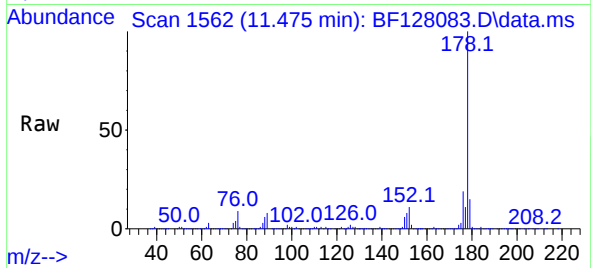
Tgt Ion:188 Resp: 261571
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 9.3 8.9 13.3





#71
Phenanthrene
Concen: 30.485 ng
RT: 11.475 min Scan# 11571
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

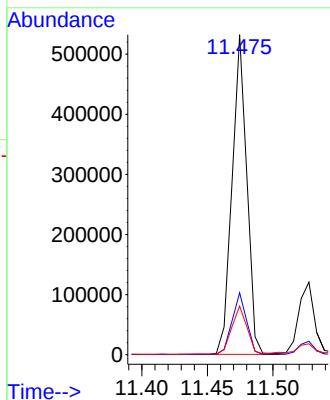
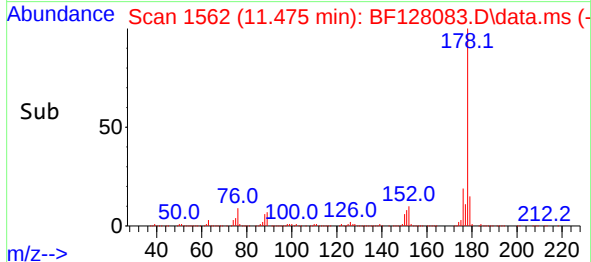
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion:178 Resp: 417399
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.2 12.6 19.0

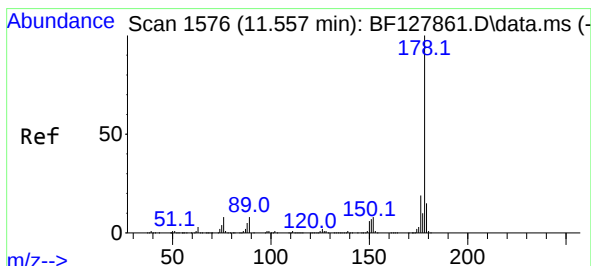
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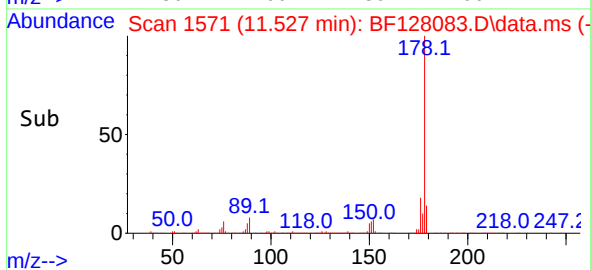
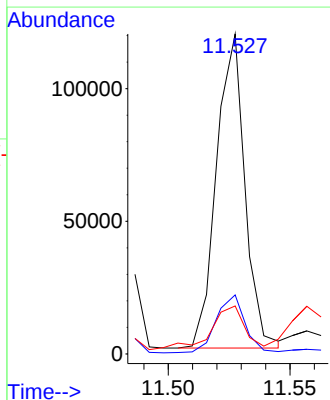
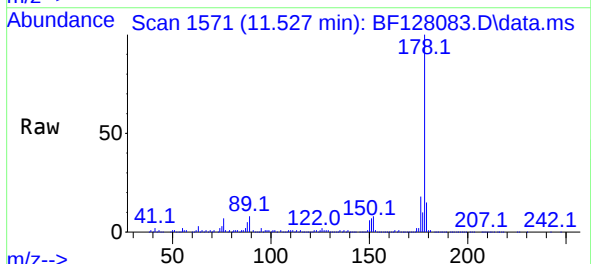
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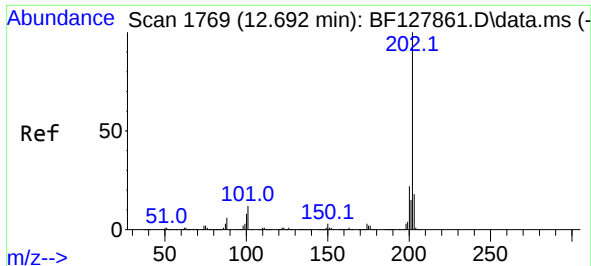
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#72
Anthracene
Concen: 7.038 ng
RT: 11.527 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

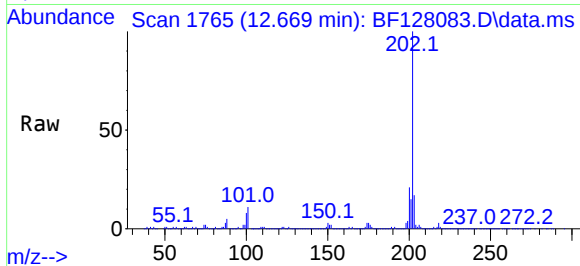
Tgt Ion:178 Resp: 95996
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.0 12.4 18.6





#75
Fluoranthene
Concen: 32.509 ng
RT: 12.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

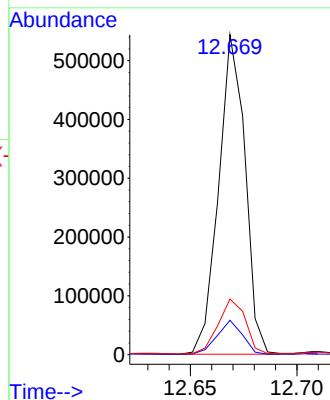
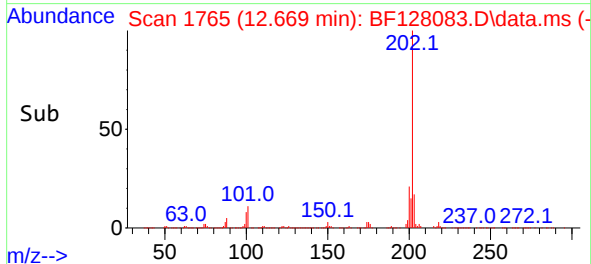
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion:202 Resp: 468474
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.6
203 17.4 0.0 38.1

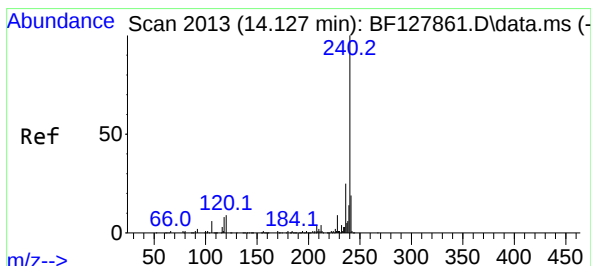
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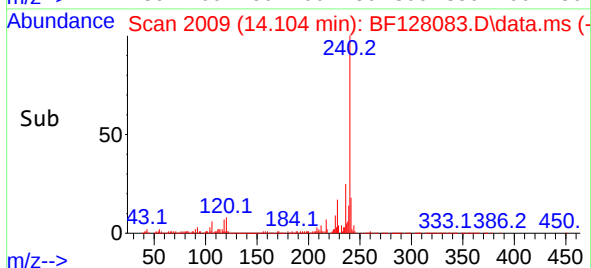
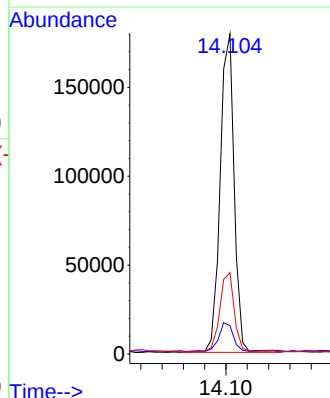
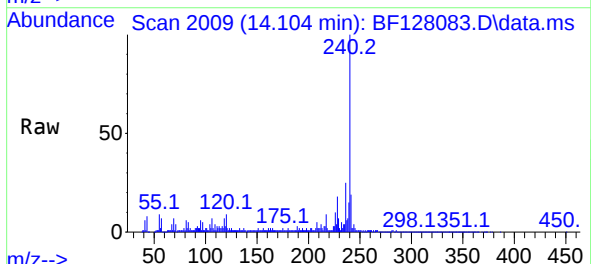
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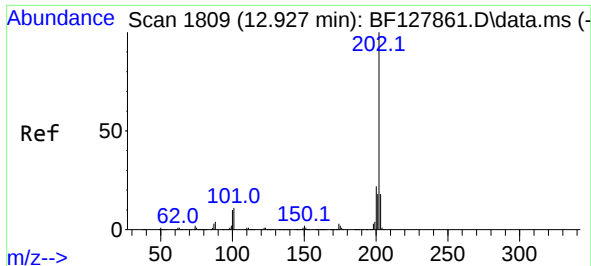
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

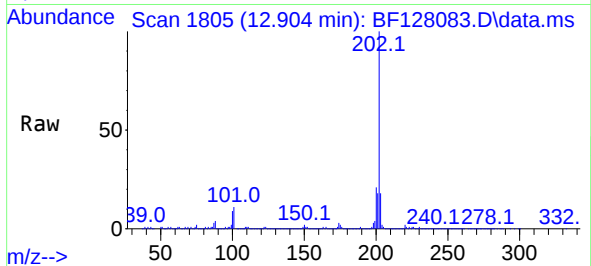
Tgt Ion:240 Resp: 163528
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 25.4 20.3 30.5





#78
Pyrene
Concen: 39.760 ng
RT: 12.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

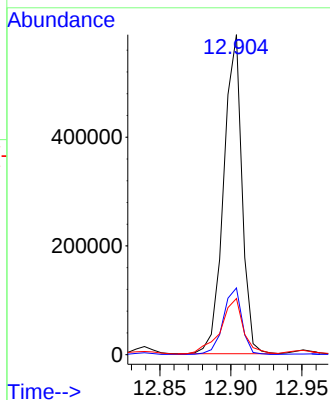
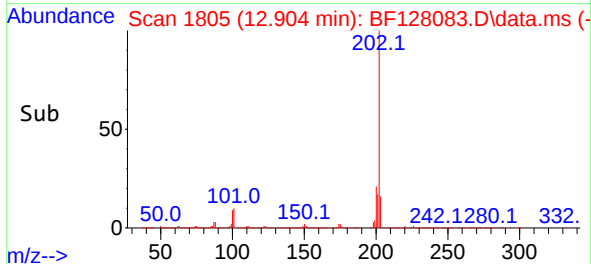
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion:202 Resp: 524864
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.6 14.0 21.0

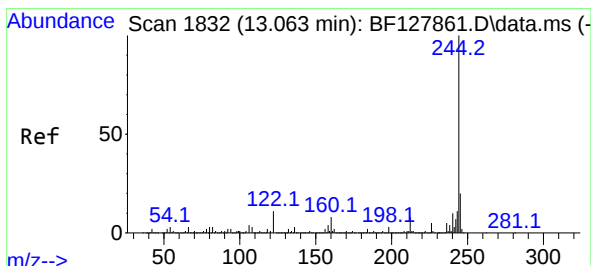
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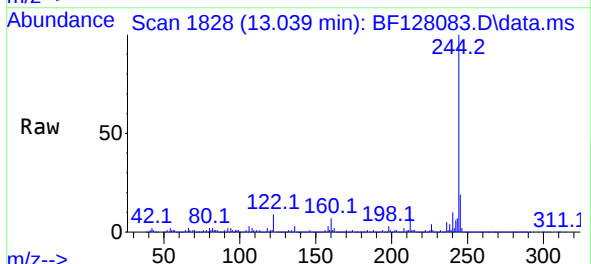


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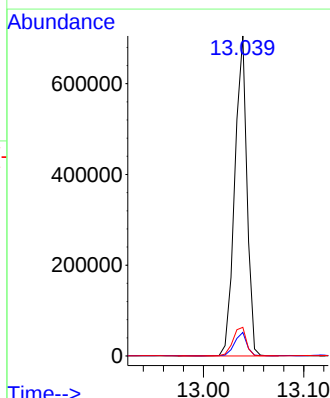
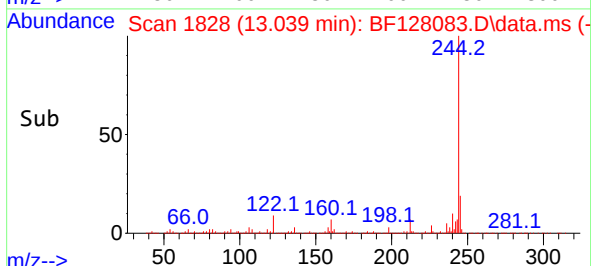
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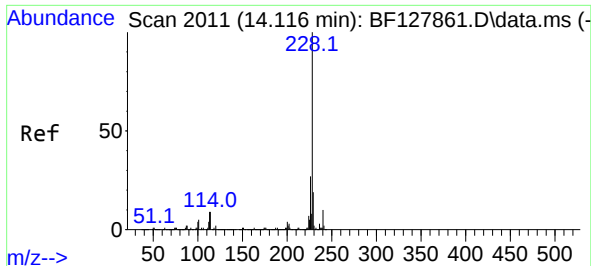


#79
Terphenyl-d14
Concen: 66.953 ng
RT: 13.039 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45



Tgt Ion:244 Resp: 598759
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 8.9 8.6 12.8





#81
Benzo(a)anthracene
Concen: 18.608 ng
RT: 14.092 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Instrument :

BNF

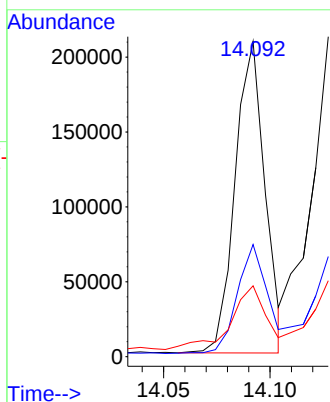
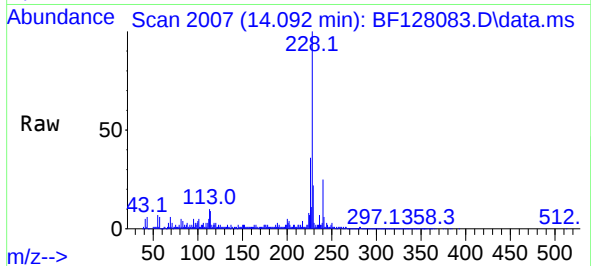
ClientSampleId :

OR-03-050322

Tgt Ion:228 Resp: 20282
Ion Ratio Lower Upper
228 100
226 35.6 21.7 32.5
229 22.5 15.4 23.2

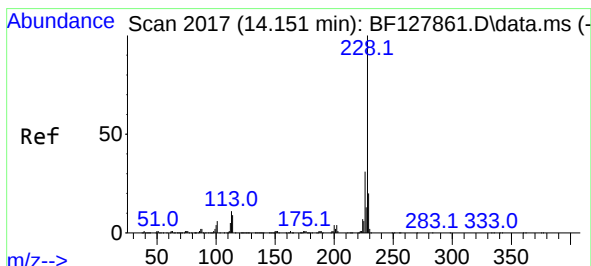
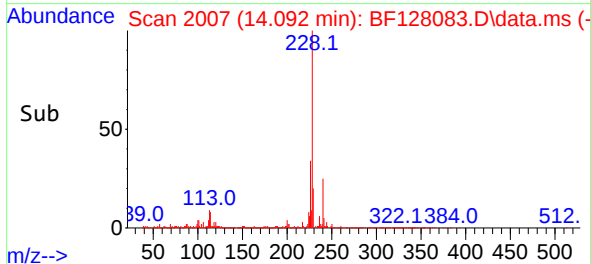
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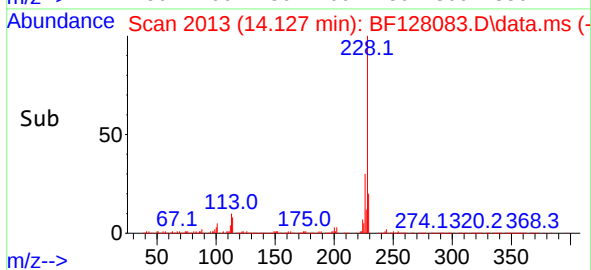
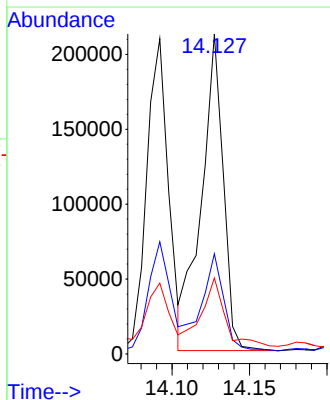
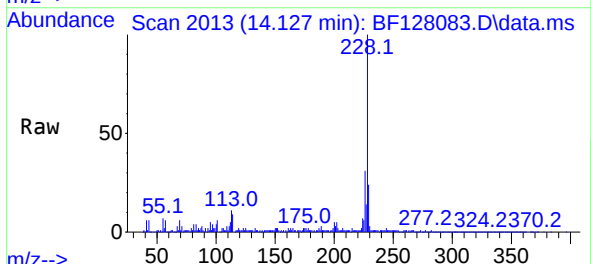
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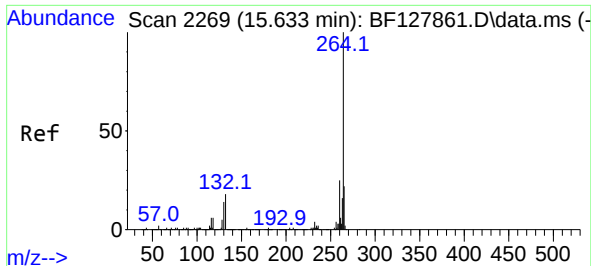
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#83
Chrysene
Concen: 20.021 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

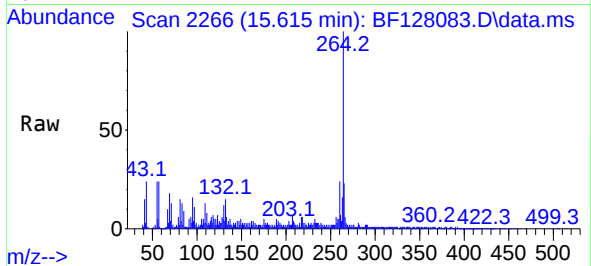
Tgt Ion:228 Resp: 208410
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 23.8 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

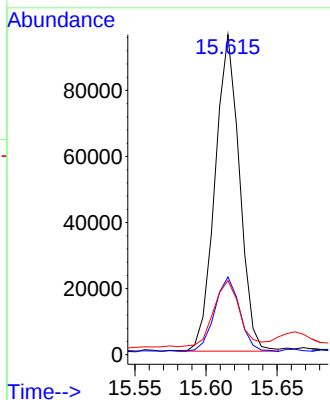
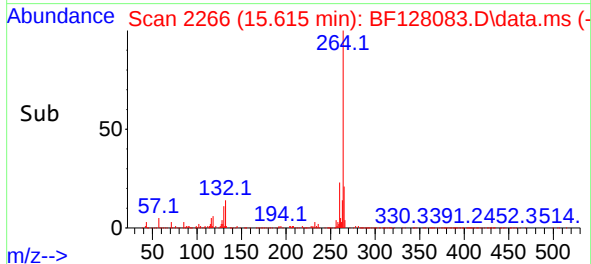
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion:264 Resp: 11456
Ion Ratio Lower Upper
264 100
260 24.3 20.1 30.1
265 23.1 17.5 26.3

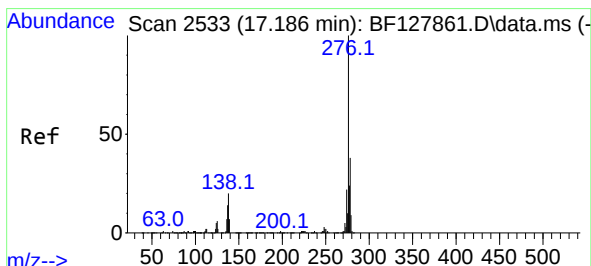
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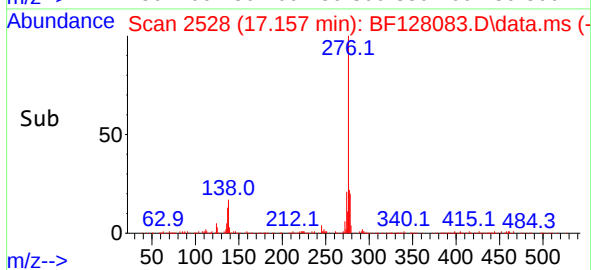
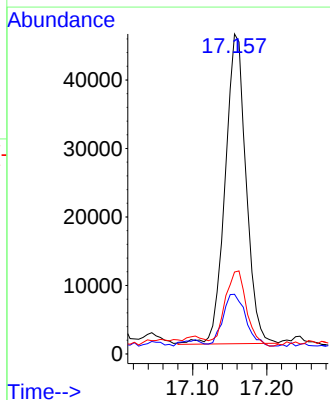
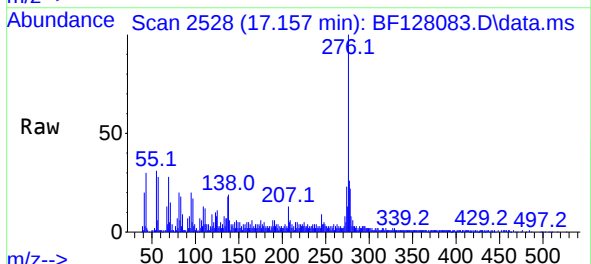
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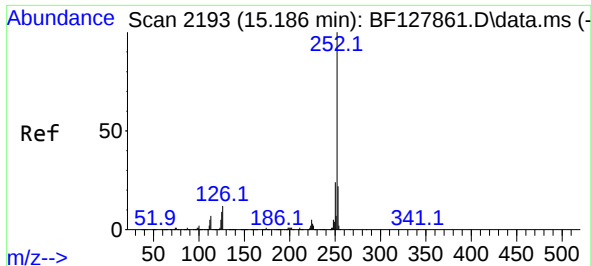
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#87
Indeno(1,2,3-cd)pyrene
Concen: 11.601 ng
RT: 17.157 min Scan# 2528
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:276 Resp: 88711
Ion Ratio Lower Upper
276 100
138 18.3 19.0 28.4#
277 25.1 20.1 30.1





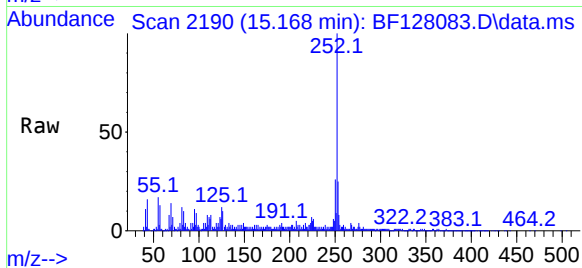
#88
Benzo(b)fluoranthene
Concen: 27.657 ng m
RT: 15.168 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Instrument :

BNF

ClientSampleId :

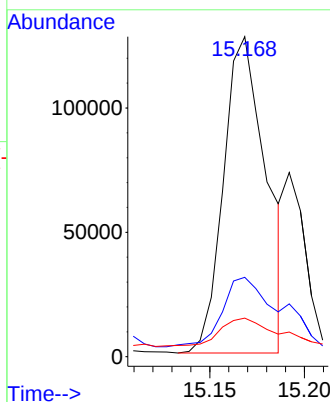
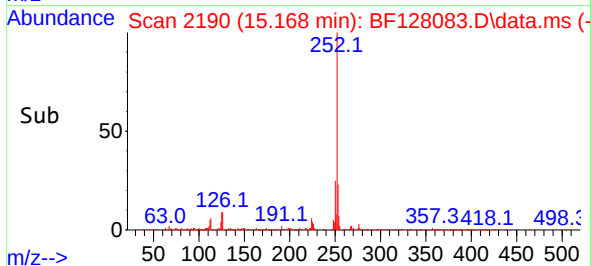
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Tgt Ion:252 Resp: 199000
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 12.1 7.4 11.2

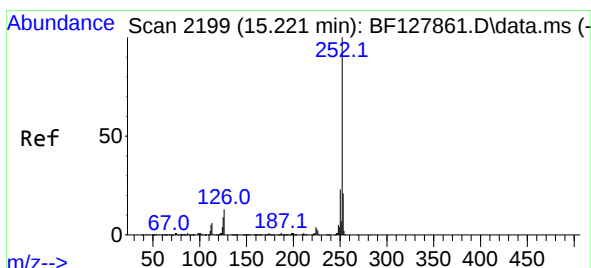
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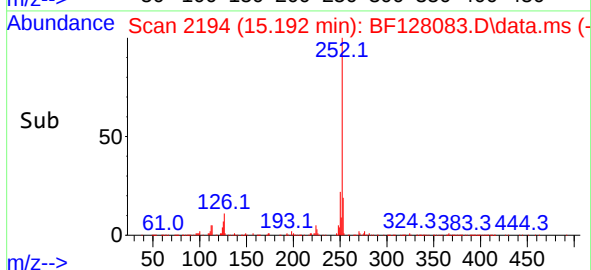
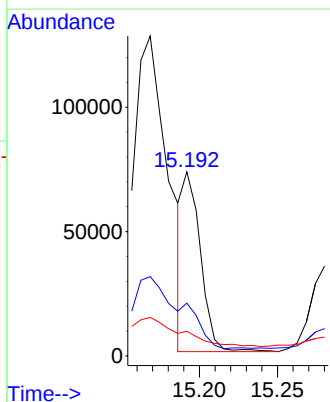
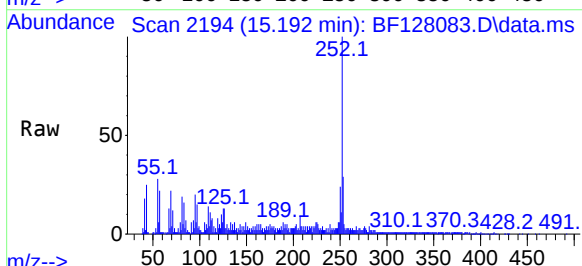
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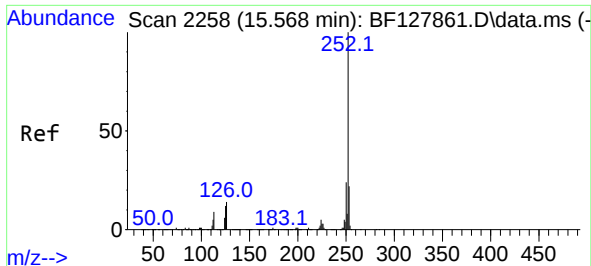
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#89
Benzo(k)fluoranthene
Concen: 7.826 ng m
RT: 15.192 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Tgt Ion:252 Resp: 56732
Ion Ratio Lower Upper
252 100
253 28.6 17.0 25.4#
125 13.4 6.8 10.2#





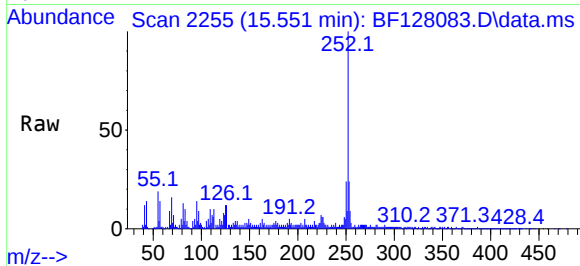
#90
Benzo(a)pyrene
Concen: 23.690 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OR-03-050322

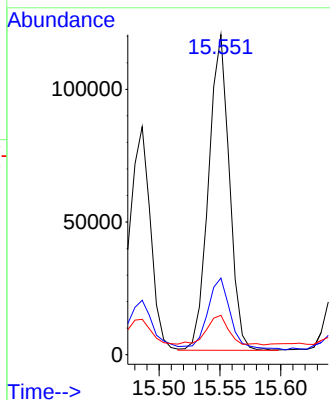
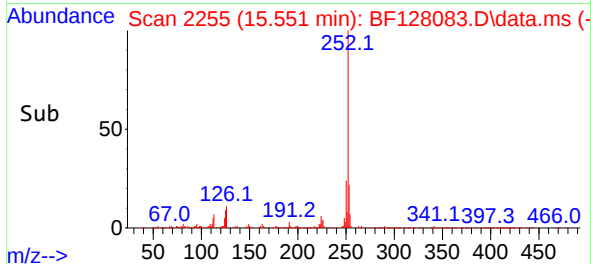


Tgt Ion:252 Resp: 141394
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 12.3 9.2 13.8

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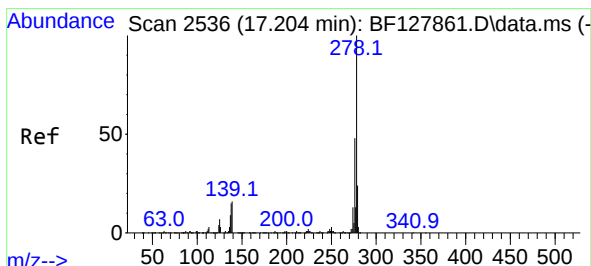
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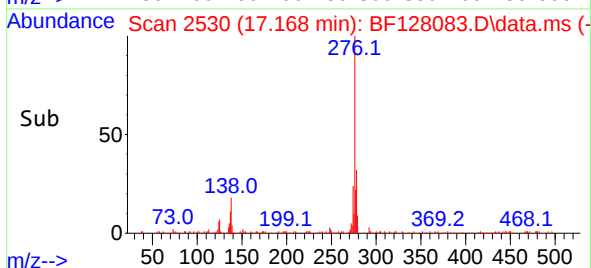
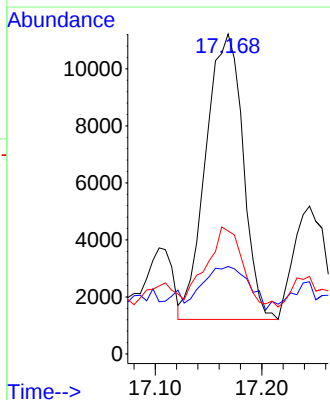
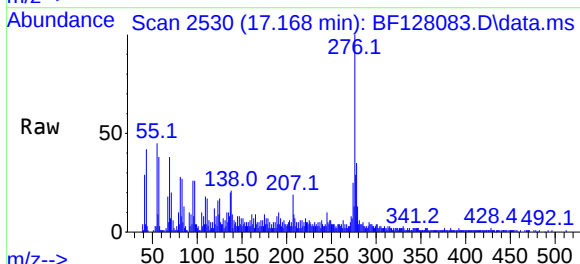
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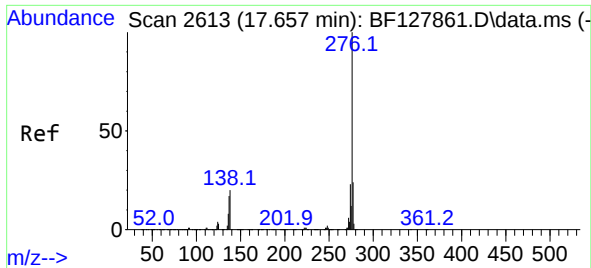
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#91
Dibenzo(a,h)anthracene
Concen: 3.958 ng
RT: 17.168 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

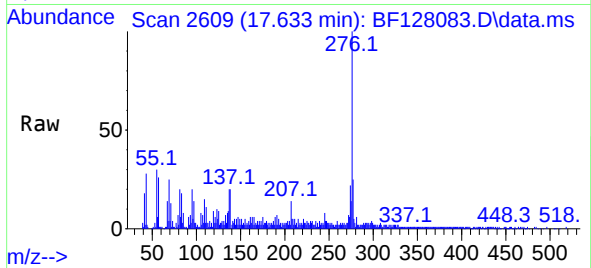
Tgt Ion:278 Resp: 24276
Ion Ratio Lower Upper
278 100
139 27.3 12.6 19.0#
279 38.4 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 14.687 ng
RT: 17.633 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF128083.D
Acq: 04 May 2022 20:45

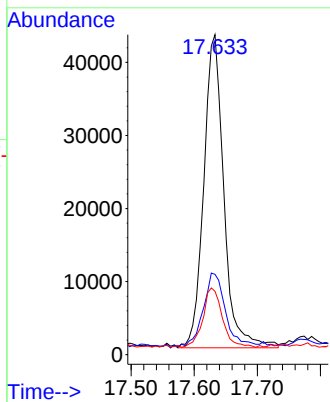
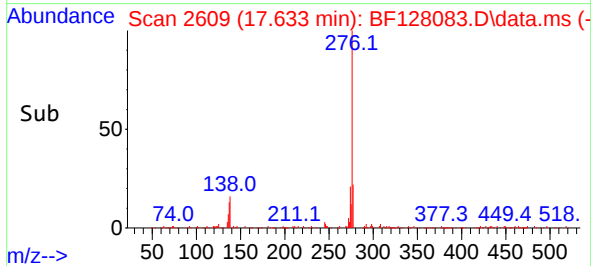
Instrument :
BNA_F
ClientSampleId :
OR-03-050322



Tgt Ion:	276	Resp:	94918
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.8	28.2
138	19.8	16.2	24.2

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Upadhyay

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