

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128008.D
 Acq On : 29 Apr 2022 21:32
 Operator : CG\JU
 Sample : N2605-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822

Quant Time: May 02 00:58:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/02/2022
 Supervised By : Jagrut Upadhyay 05/02/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	116414	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	427066	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	203438	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	317912	20.000	ng	0.00
76) Chrysene-d12	14.127	240	184986	20.000	ng	# 0.01
86) Perylene-d12	15.633	264	158046	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	294737	40.326	ng	-0.01
7) Phenol-d6	6.545	99	373353	39.368	ng	-0.02
23) Nitrobenzene-d5	7.486	82	251109	27.650	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	70461	34.406	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	413086	34.351	ng	-0.01
79) Terphenyl-d14	13.057	244	351002	34.696	ng	0.00
Target Compounds						
						Qvalue
38) 1-Methylnaphthalene	9.022	142	47683	3.413	ng	99
49) Acenaphthylene	9.827	152	47363	2.699	ng	# 81
52) Acenaphthene	10.004	154	340450	28.857	ng	99
55) Dibenzofuran	10.175	168	401480	23.587	ng	98
58) Fluorene	10.522	166	418746	32.969	ng	97
71) Phenanthrene	11.498	178	2510614	150.867	ng	98
72) Anthracene	11.545	178	882403	53.230	ng	99
73) Carbazole	11.692	167	149285	9.344	ng	98
75) Fluoranthene	12.710	202	4599245	262.599	ng	97
78) Pyrene	12.945	202	4700864	314.797	ng	95
81) Benzo(a)anthracene	14.121	228	2311723	187.490	ng	95
83) Chrysene	14.163	228	1968020m	167.128	ng	
87) Indeno(1,2,3-cd)pyrene	17.186	276	469911m	44.545	ng	
88) Benzo(b)fluoranthene	15.198	252	1602020m	161.385	ng	
89) Benzo(k)fluoranthene	15.221	252	374077m	37.404	ng	
90) Benzo(a)pyrene	15.580	252	967641	117.517	ng	97
91) Dibenzo(a,h)anthracene	17.192	278	121522	14.364	ng	96
92) Benzo(g,h,i)perylene	17.662	276	463433	51.977	ng	96

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

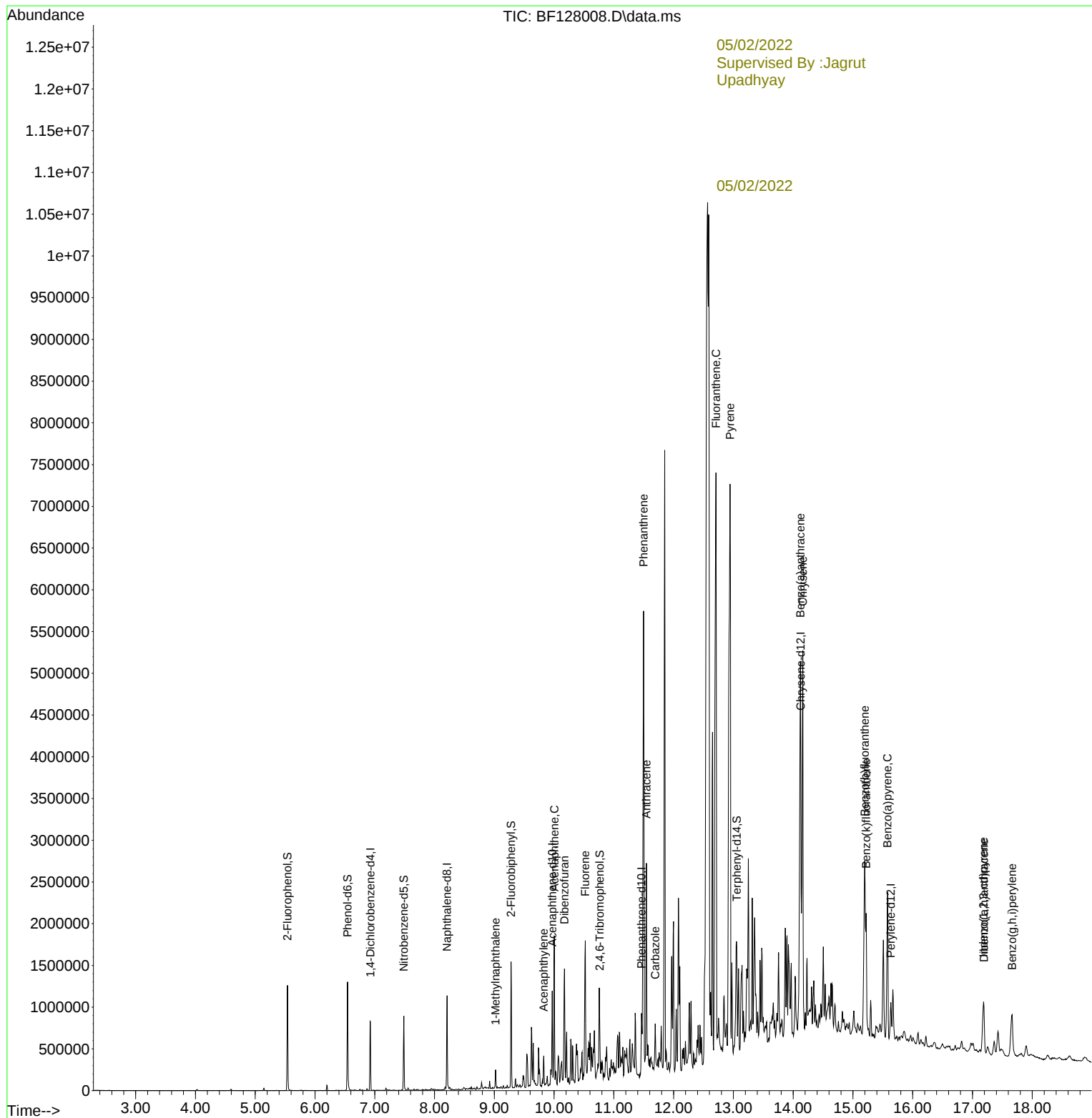
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
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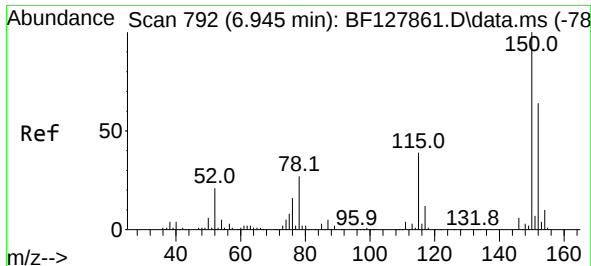
Instrument :
BNA_F
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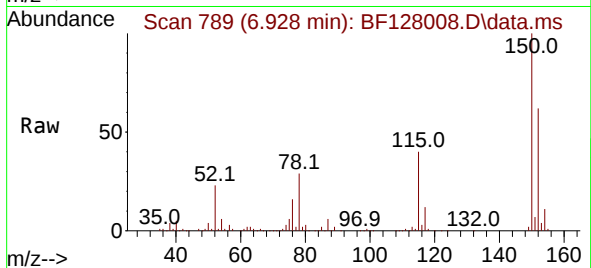
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Supervised By :Jagrut Upadhyay 05/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

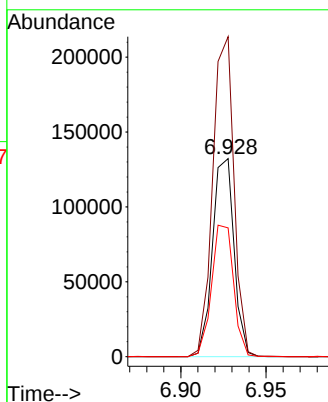
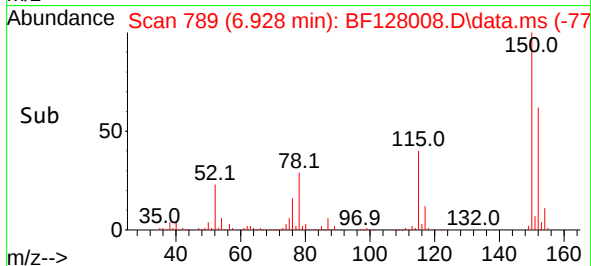
Instrument :
BNA_F
ClientSampleId :
TR-05-042822



Tgt Ion:152 Resp: 116414
Ion Ratio Lower Upper
152 100
150 161.5 125.3 187.9
115 65.0 48.8 73.2

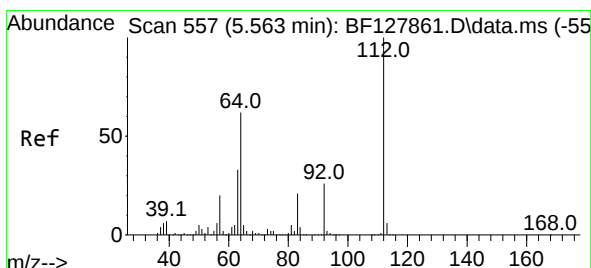
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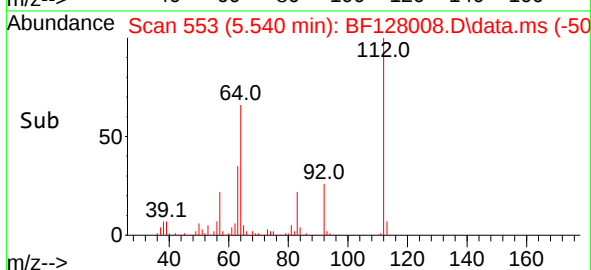
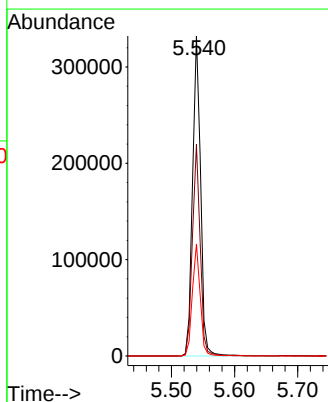
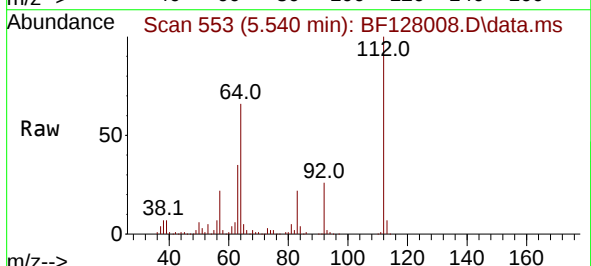
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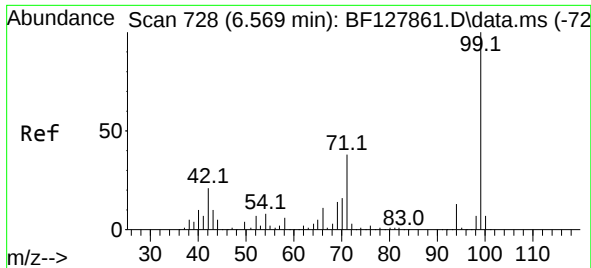
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#5
2-Fluorophenol
Concen: 40.326 ng
RT: 5.540 min Scan# 553
Delta R.T. -0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:112 Resp: 294737
Ion Ratio Lower Upper
112 100
64 66.1 49.5 74.3
63 35.0 26.3 39.5





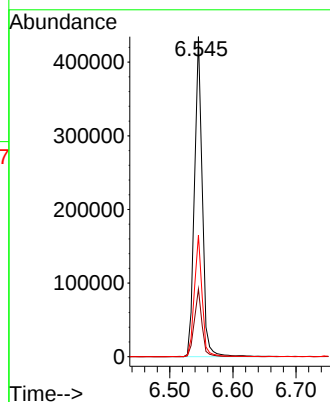
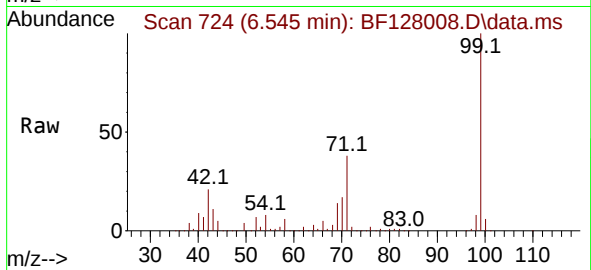
#7
Phenol-d6
Concen: 39.368 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Instrument :
BNA_F
ClientSampleId :
TR-05-042822

Tgt Ion: 99 Resp: 37335
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 37.9 30.0 45.0

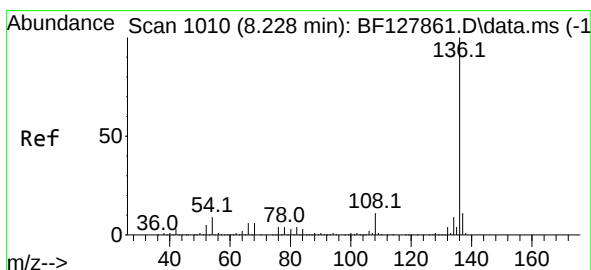
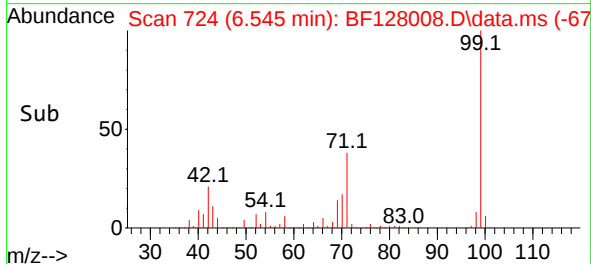
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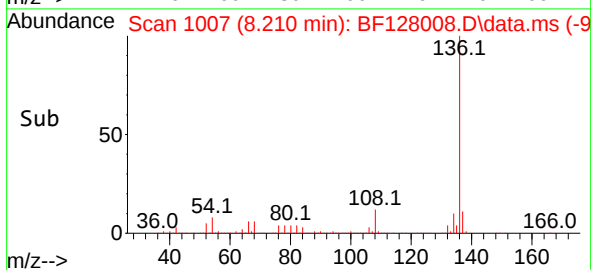
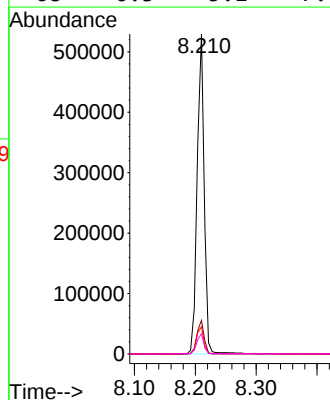
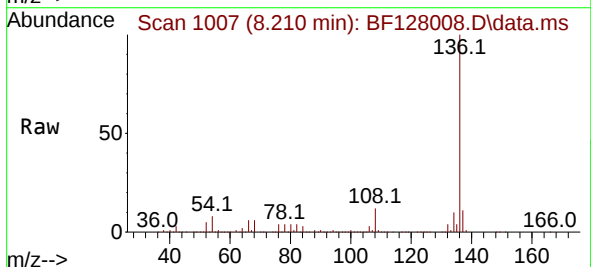
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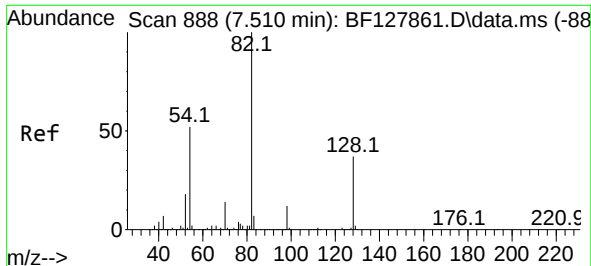
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:136 Resp: 427066
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.5 6.8 10.2
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 27.650 ng

RT: 7.486 min Scan# 88

Delta R.T. -0.018 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

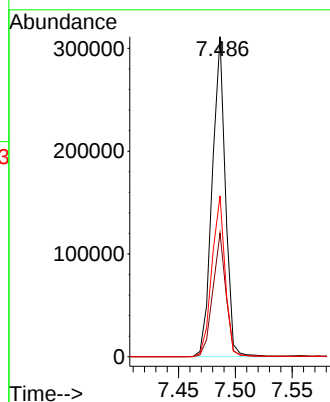
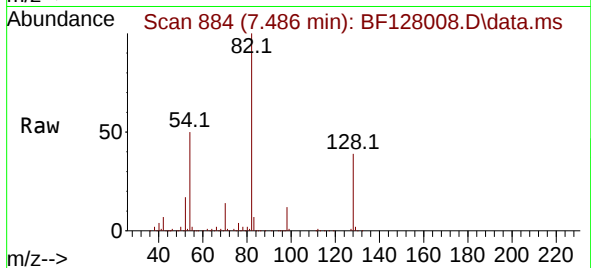
ClientSampleId :

TR-05-042822

Tgt Ion:	82	Resp:	251109
Ion Ratio	Lower	Upper	
82	100		
128	38.7	30.0	45.0
54	50.3	41.3	61.9

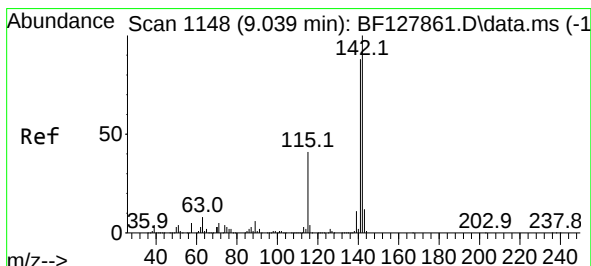
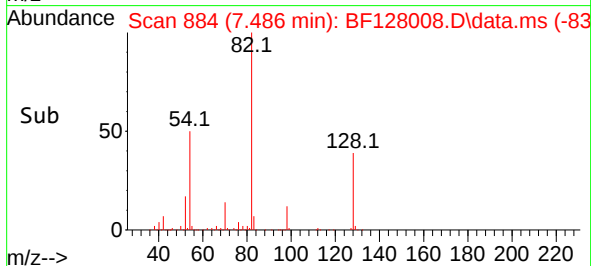
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Upadhyay

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#38

1-Methylnaphthalene

Concen: 3.413 ng

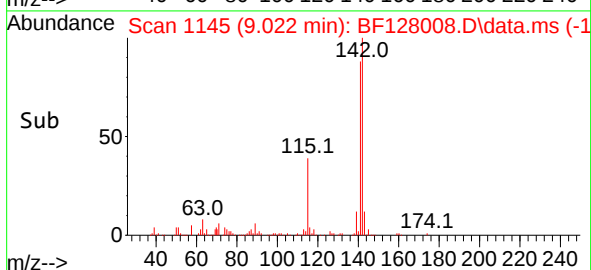
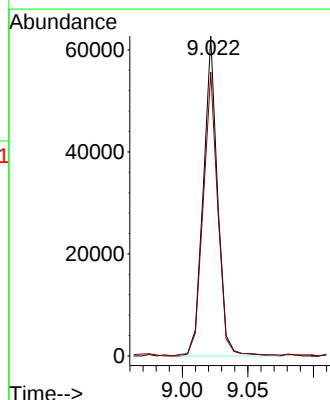
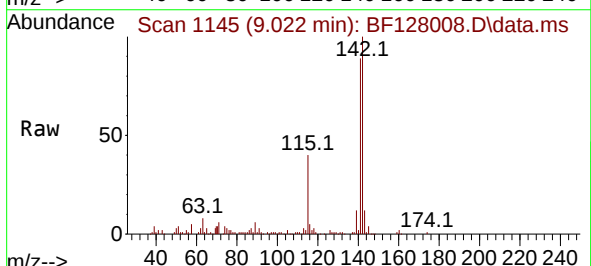
RT: 9.022 min Scan# 1145

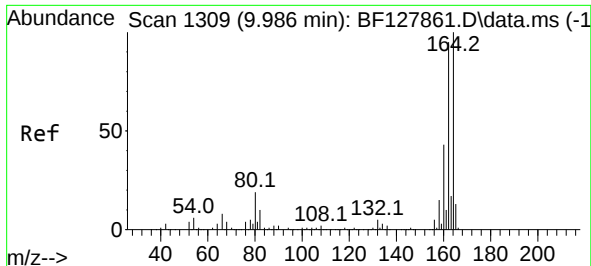
Delta R.T. -0.012 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Tgt Ion:	142	Resp:	47683
Ion Ratio	Lower	Upper	
142	100		
141	88.7	70.1	105.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

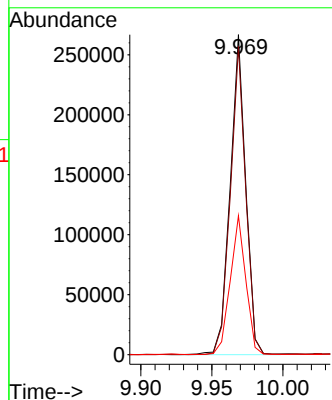
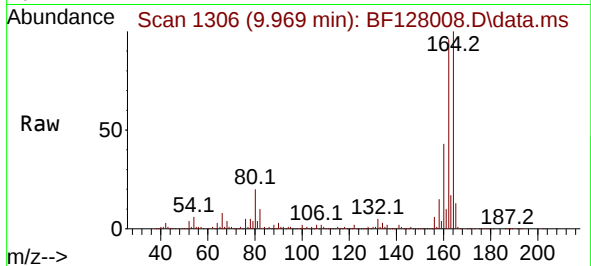
ClientSampleId :

TR-05-042822

Tgt Ion:164 Resp: 203438
Ion Ratio Lower Upper
164 100
162 96.3 76.0 114.0
160 43.4 34.8 52.2

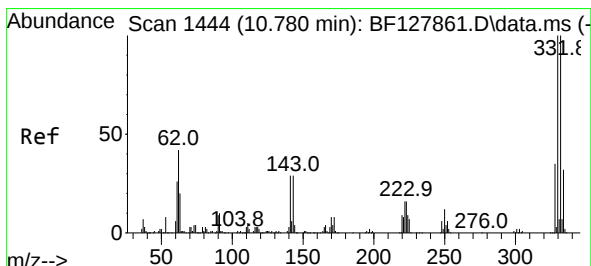
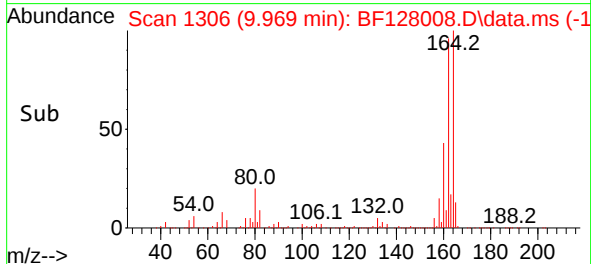
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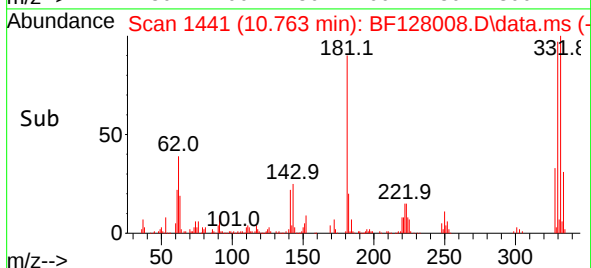
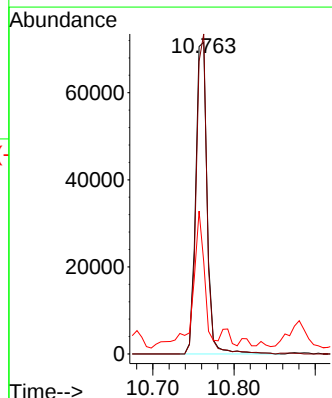
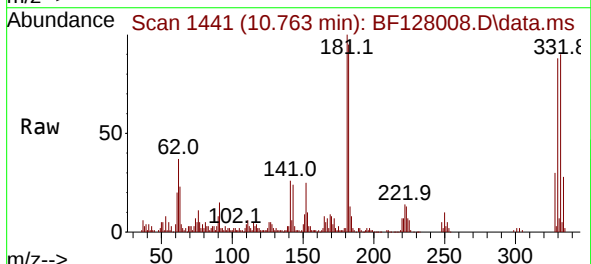
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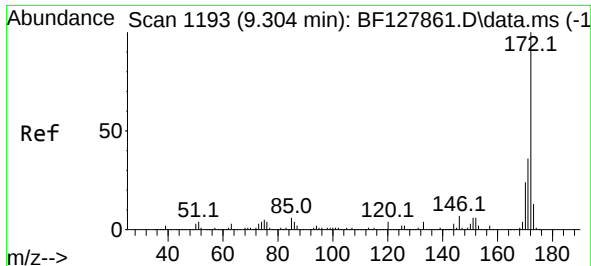
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#42
2,4,6-Tribromophenol
Concen: 34.406 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:330 Resp: 70461
Ion Ratio Lower Upper
330 100
332 97.0 79.0 118.4
141 45.9 28.9 43.3#





#45
2-Fluorobiphenyl
Concen: 34.351 ng
RT: 9.280 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

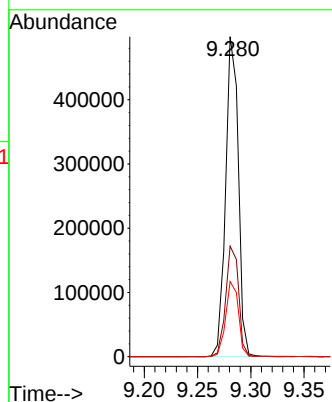
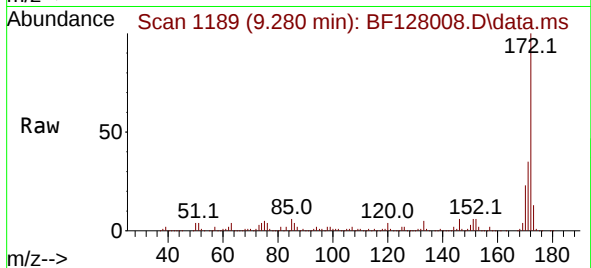
ClientSampleId :

TR-05-042822

Tgt Ion:172 Resp: 413080
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 23.5 19.1 28.7

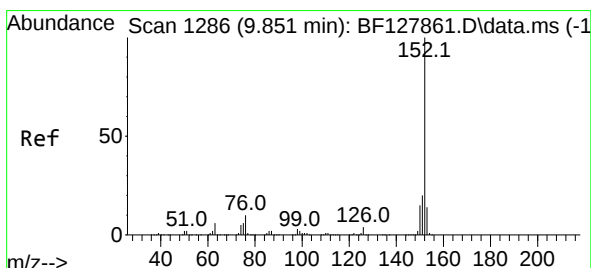
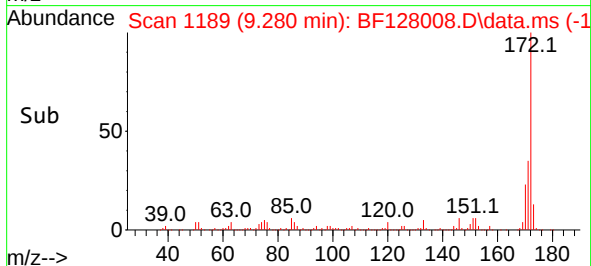
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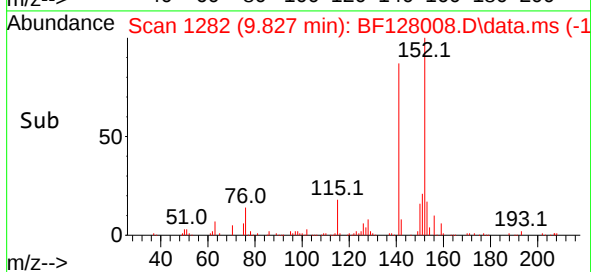
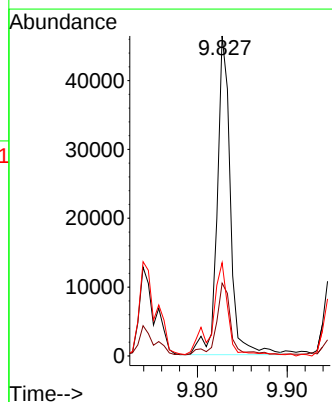
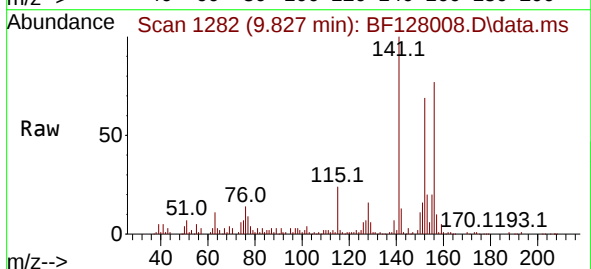
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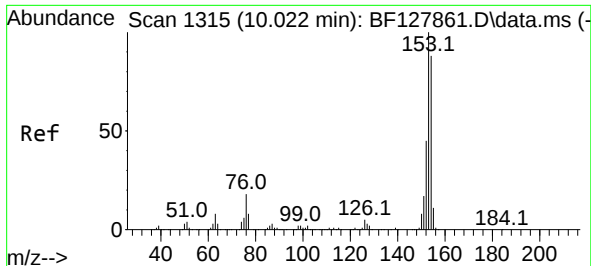
05/02/2022



#49
Acenaphthylene
Concen: 2.699 ng
RT: 9.827 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

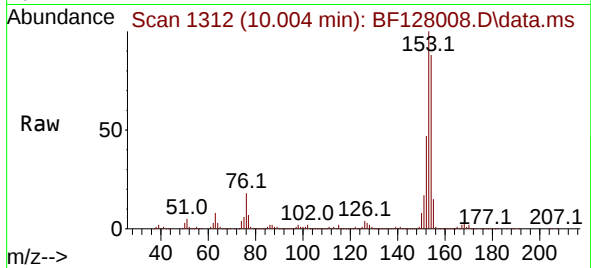
Tgt Ion:152 Resp: 47363
Ion Ratio Lower Upper
152 100
151 22.7 16.2 24.2
153 29.2 11.2 16.8#





#52
Acenaphthene
Concen: 28.857 ng
RT: 10.004 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

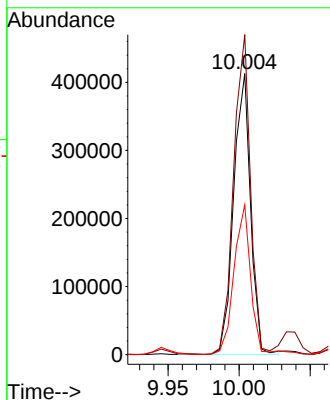
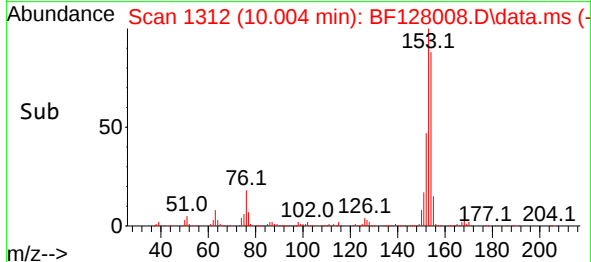
Instrument :
BNA_F
ClientSampleId :
TR-05-042822



Tgt Ion:154 Resp: 340450
Ion Ratio Lower Upper
154 100
153 113.8 90.5 135.7
152 53.3 41.0 61.6

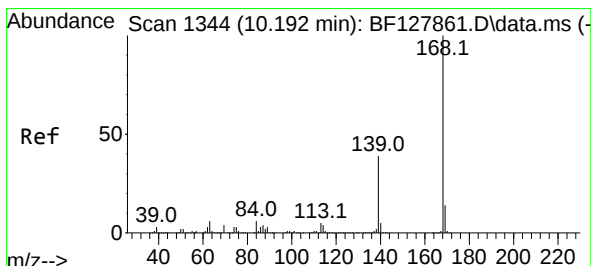
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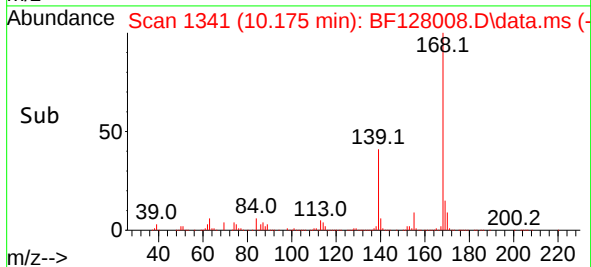
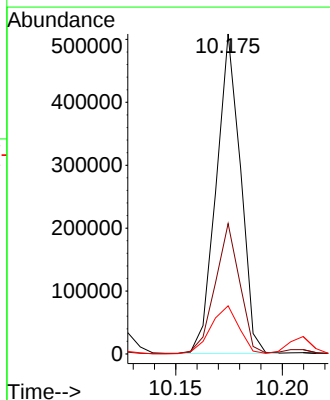
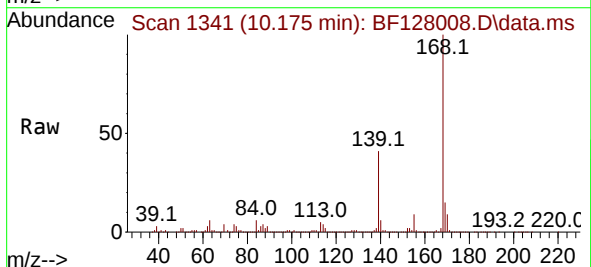
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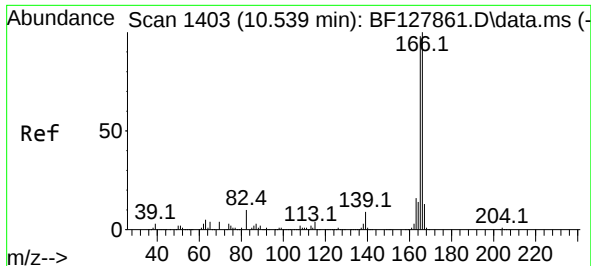
05/02/2022



#55
Dibenzofuran
Concen: 23.587 ng
RT: 10.175 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

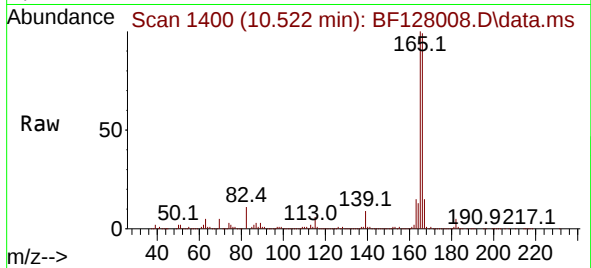
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Ion Ratio Lower Upper
168 100
139 40.7 31.7 47.5
169 15.0 10.9 16.3





#58
Fluorene
Concen: 32.969 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

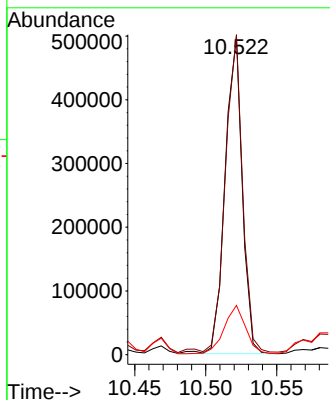
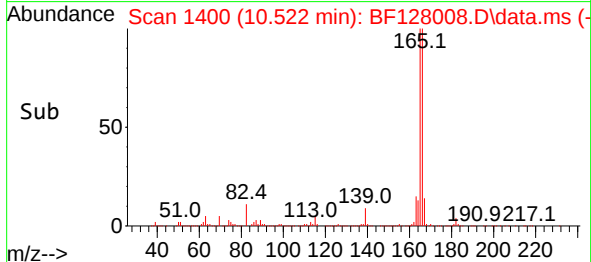
Instrument :
BNA_F
ClientSampleId :
TR-05-042822



Tgt Ion:166 Resp: 418740
Ion Ratio Lower Upper
166 100
165 100.7 78.6 117.8
167 15.5 10.5 15.7

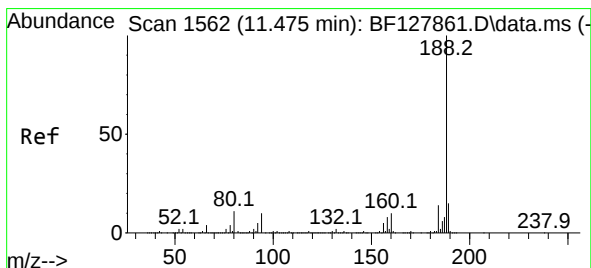
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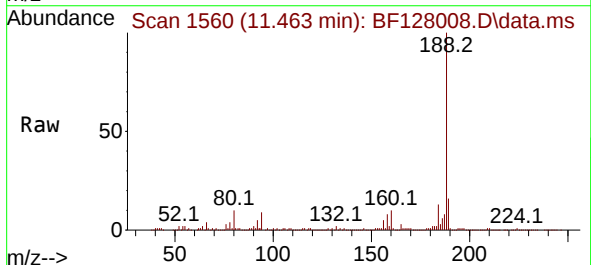


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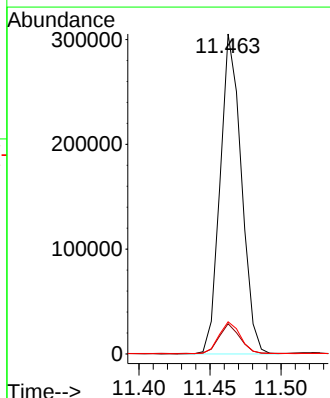
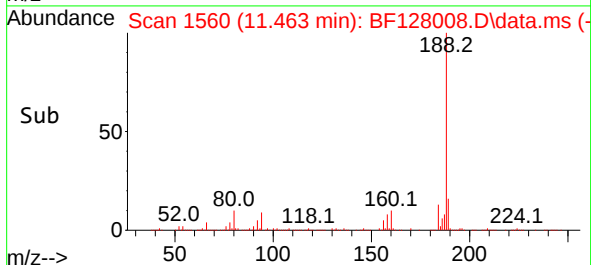
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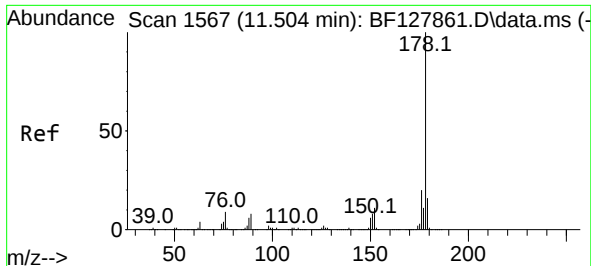


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32



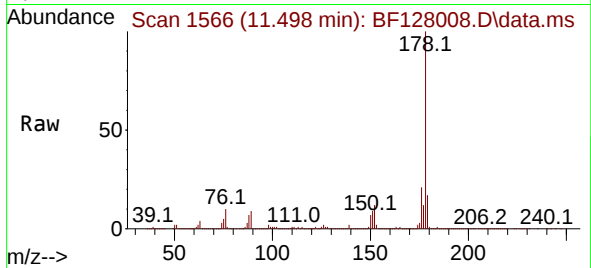
Tgt Ion:188 Resp: 317912
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.1 8.9 13.3





#71
Phenanthrene
Concen: 150.867 ng
RT: 11.498 min Scan# 1149
Delta R.T. 0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

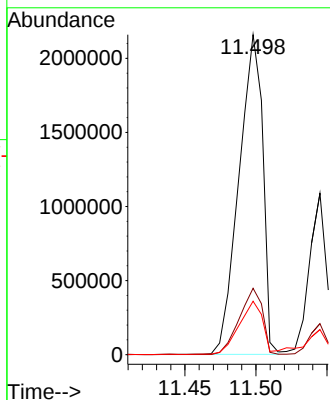
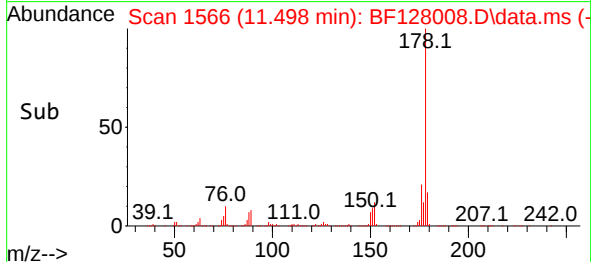
Instrument :
BNA_F
ClientSampleId :
TR-05-042822



Tgt Ion:178 Resp: 2510614
Ion Ratio Lower Upper
178 100
176 20.8 15.7 23.5
179 16.7 12.6 19.0

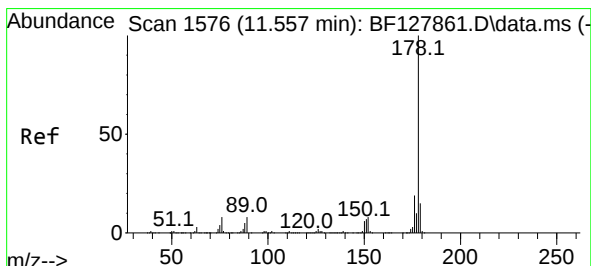
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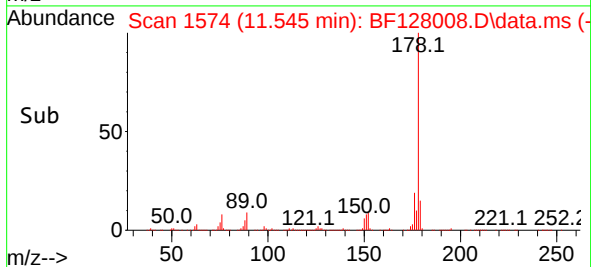
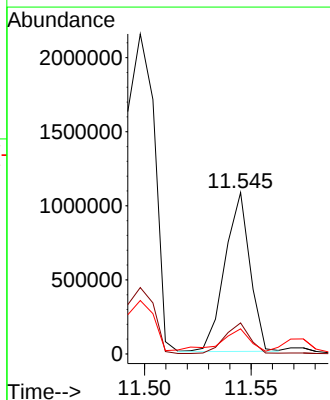
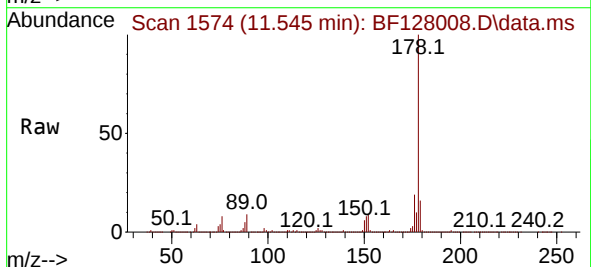
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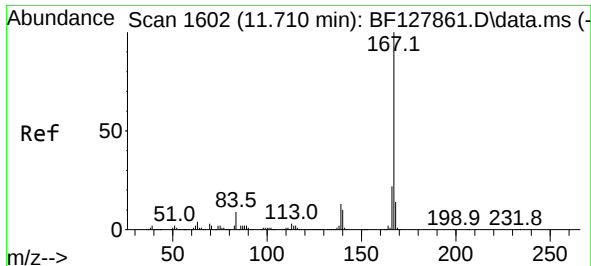
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#72
Anthracene
Concen: 53.230 ng
RT: 11.545 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:178 Resp: 882403
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 9.344 ng
 RT: 11.692 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

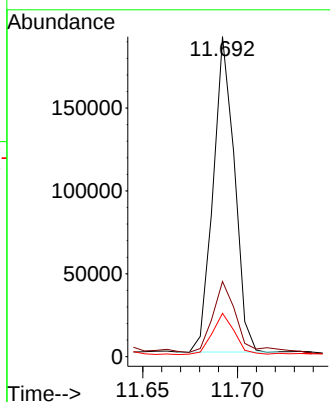
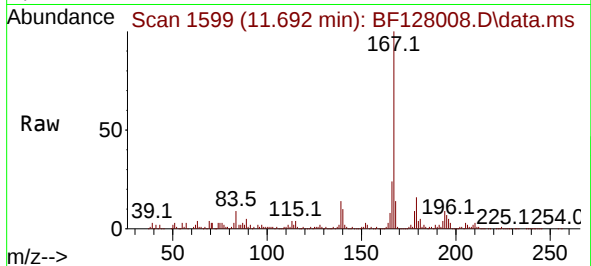
ClientSampleId :

TR-05-042822

Tgt Ion:167 Resp: 149285
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.6 26.4
 139 13.5 10.7 16.1

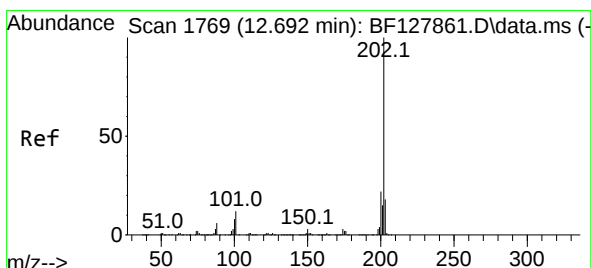
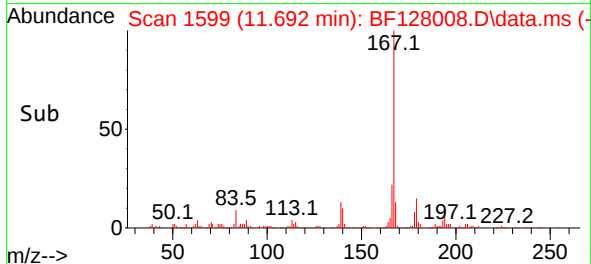
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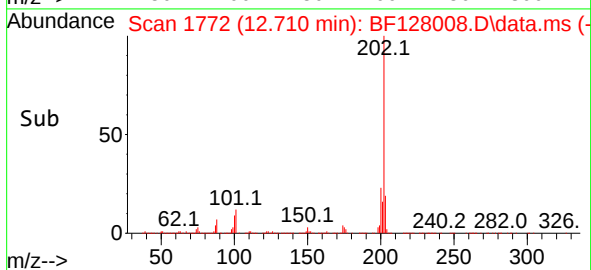
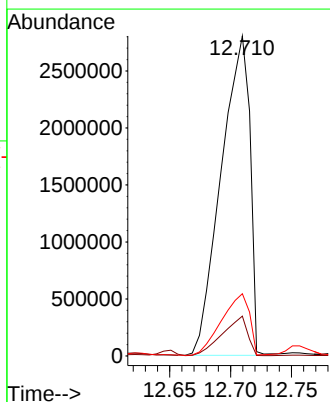
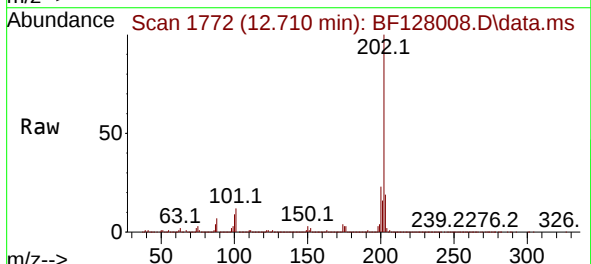
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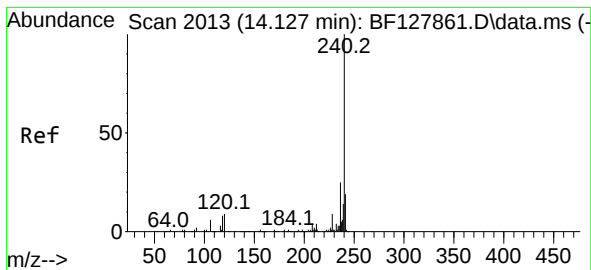
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#75
 Fluoranthene
 Concen: 262.599 ng
 RT: 12.710 min Scan# 1772
 Delta R.T. 0.024 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

Tgt Ion:202 Resp: 4599245
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 31.6
 203 19.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. 0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

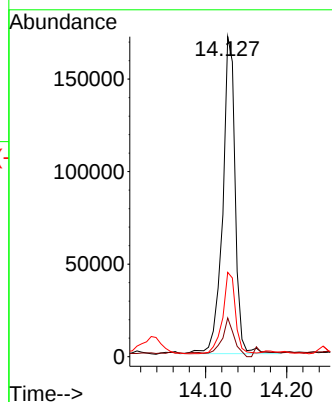
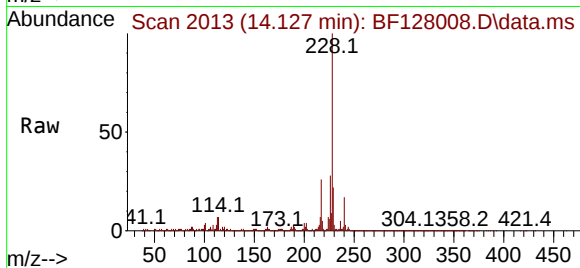
ClientSampleId :

TR-05-042822

Tgt Ion:240 Resp: 184980
Ion Ratio Lower Upper
240 100
120 12.1 7.0 10.6
236 26.4 20.3 30.5

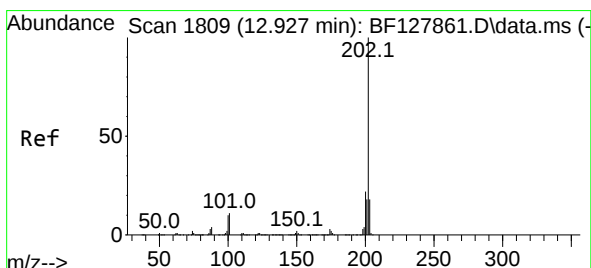
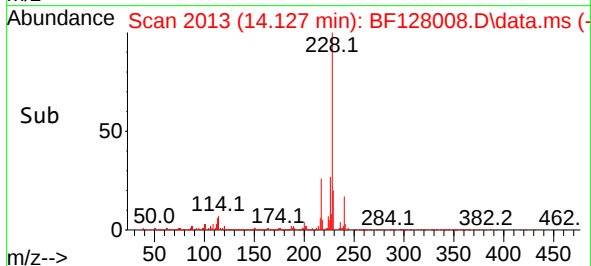
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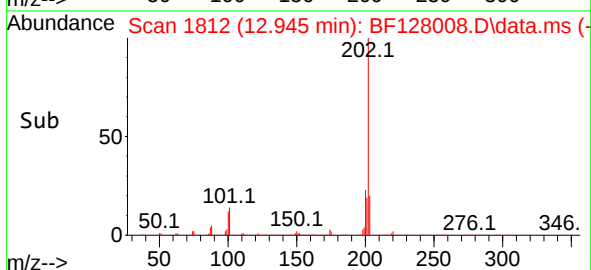
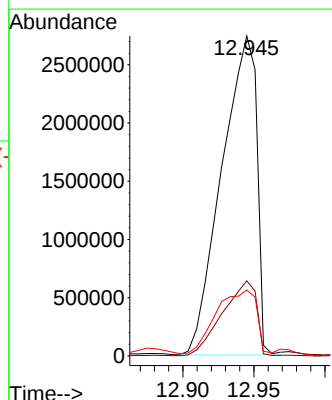
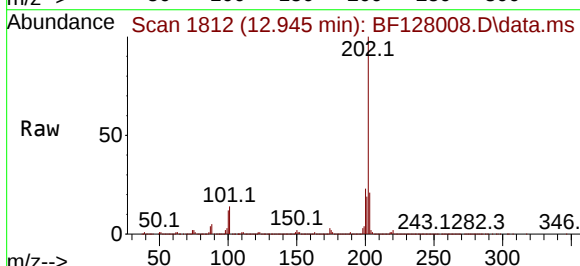
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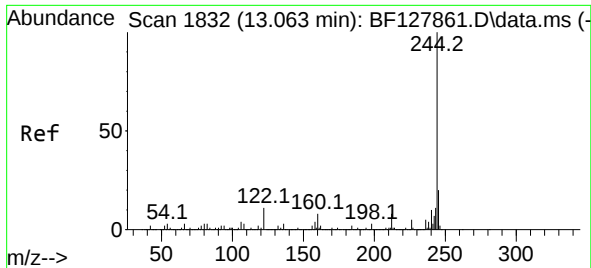
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#78
Pyrene
Concen: 314.797 ng
RT: 12.945 min Scan# 1812
Delta R.T. 0.029 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:202 Resp: 4700864
Ion Ratio Lower Upper
202 100
200 23.5 17.4 26.2
203 20.6 14.0 21.0





#79
 Terphenyl-d14
 Concen: 34.696 ng
 RT: 13.057 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

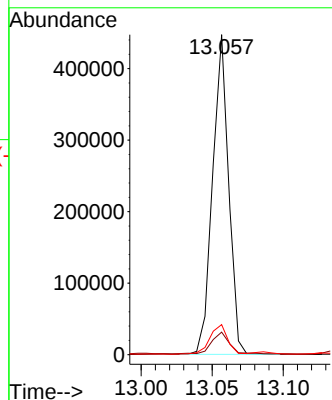
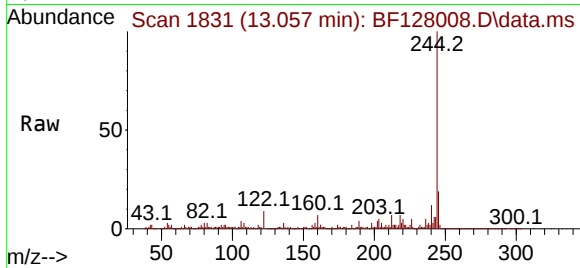
ClientSampleId :

TR-05-042822

Tgt Ion:244 Resp: 35100
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.4
 122 9.4 8.6 12.8

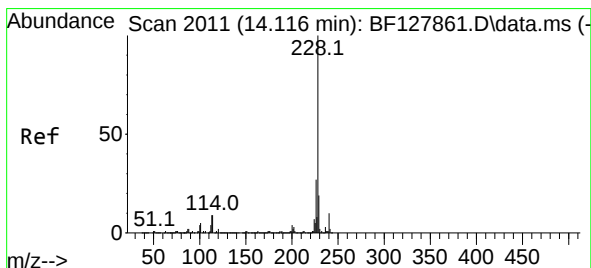
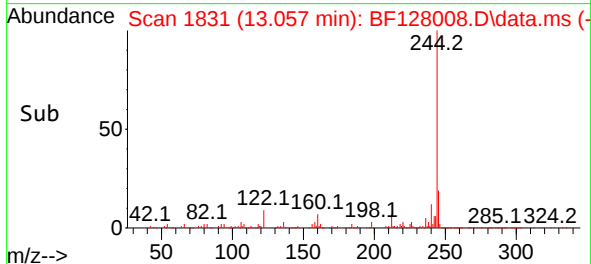
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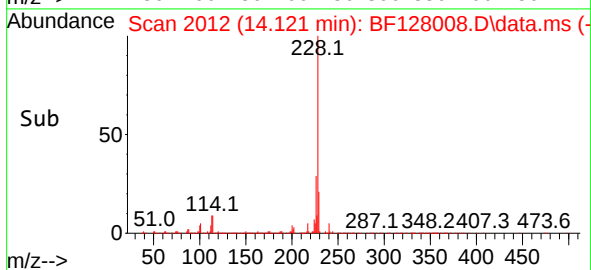
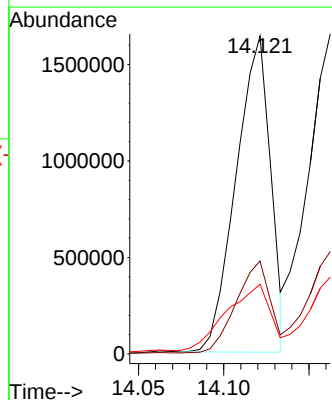
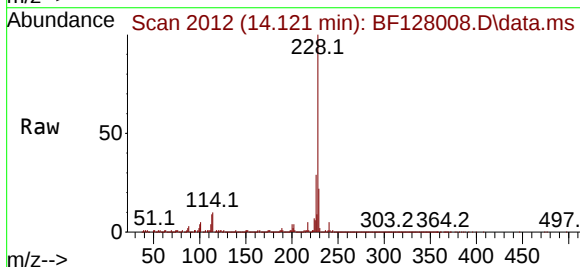
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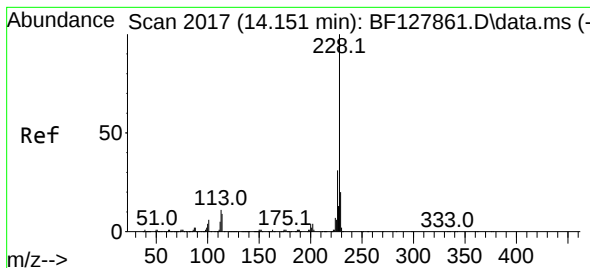
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#81
 Benzo(a)anthracene
 Concen: 187.490 ng
 RT: 14.121 min Scan# 2012
 Delta R.T. 0.018 min
 Lab File: BF128008.D
 Acq: 29 Apr 2022 21:32

Tgt Ion:228 Resp: 2311723
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.7 32.5
 229 21.9 15.4 23.2





#83

Chrysene

Concen: 167.128 ng m

RT: 14.163 min Scan# 2017

Delta R.T. 0.024 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNA_F

ClientSampleId :

TR-05-042822

Tgt Ion:228 Resp: 1968020

Ion Ratio Lower Upper

228 100

226 32.0 24.4 36.6

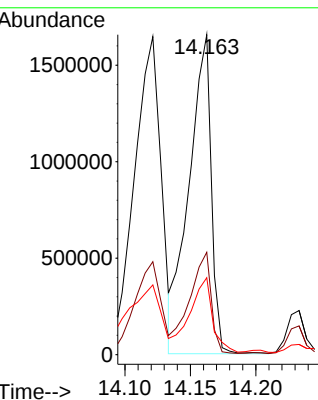
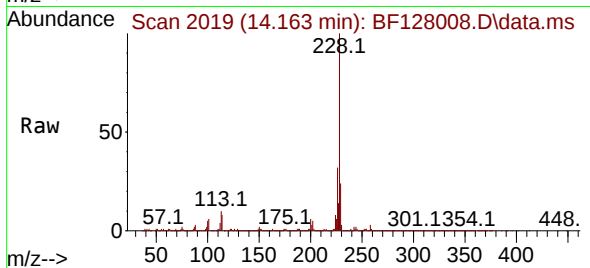
229 24.0 15.8 23.8

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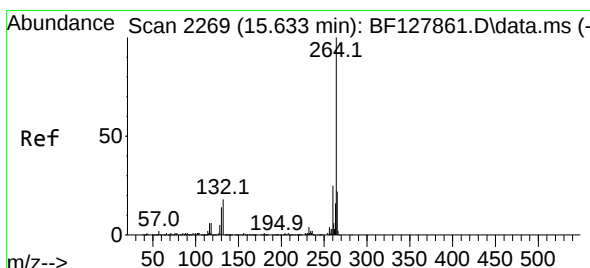
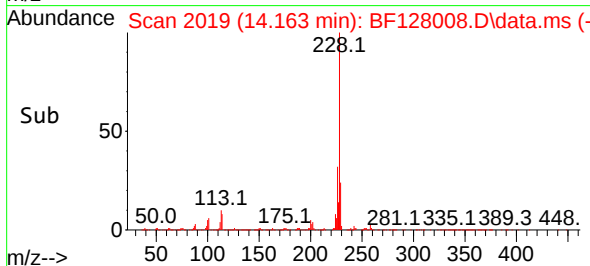
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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2269

Delta R.T. 0.012 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

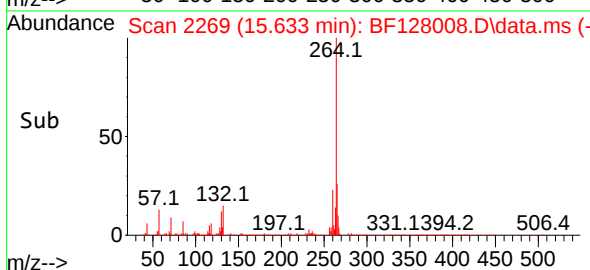
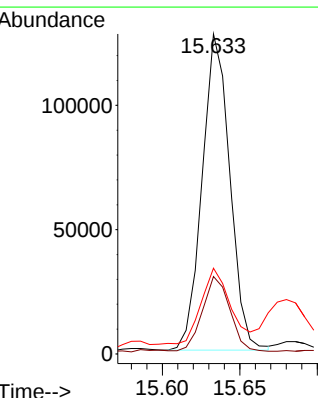
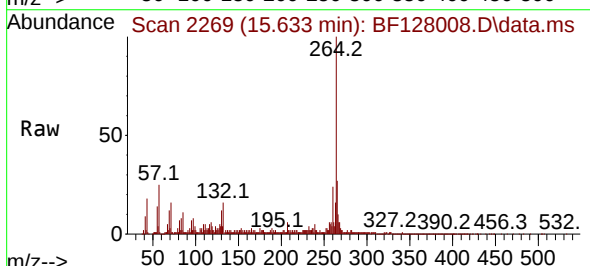
Tgt Ion:264 Resp: 158046

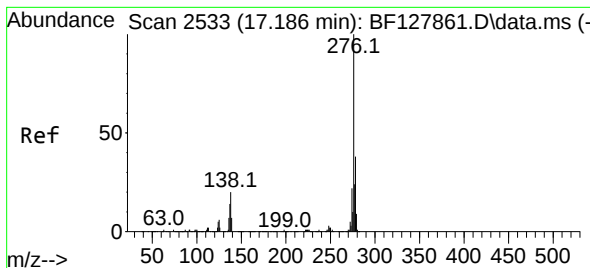
Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 26.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.545 ng m

RT: 17.186 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Instrument :

BNF

ClientSampleId :

TR-05-042822

Tgt Ion:276 Resp: 46991

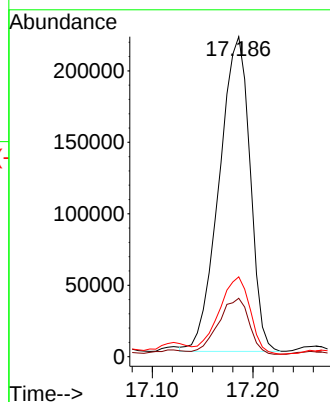
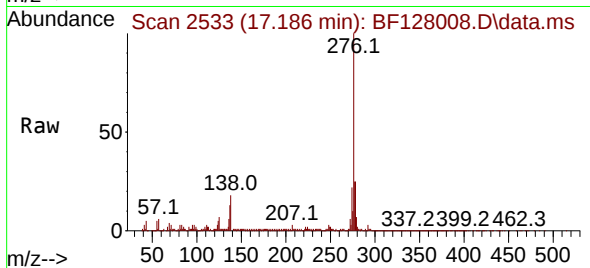
Ion	Ratio	Lower	Upper
276	100		
138	17.8	19.0	28.4
277	25.1	20.1	30.1

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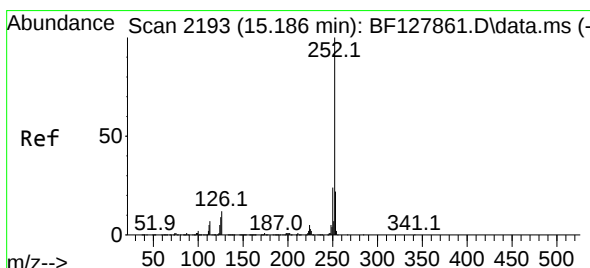
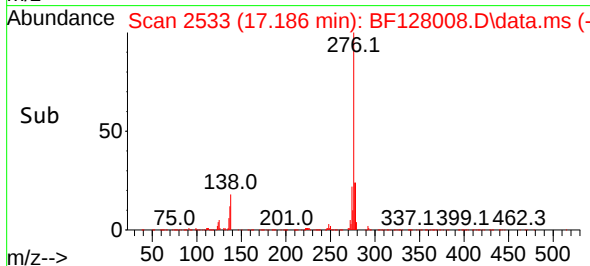
Reviewed By :Christian Giraldo 05/02/2022

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Upadhyay

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#88

Benzo(b)fluoranthene

Concen: 161.385 ng m

RT: 15.198 min Scan# 2195

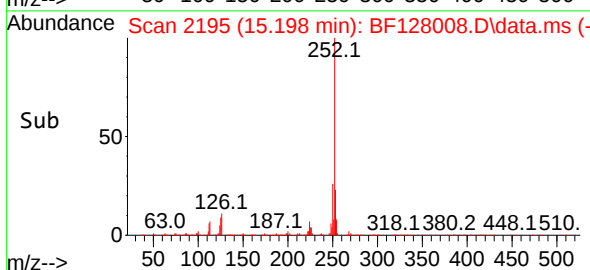
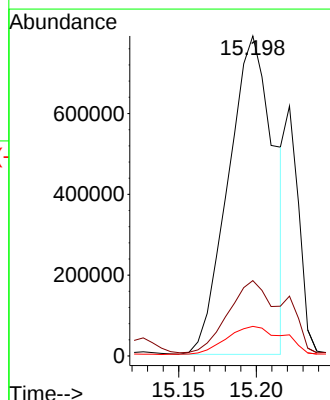
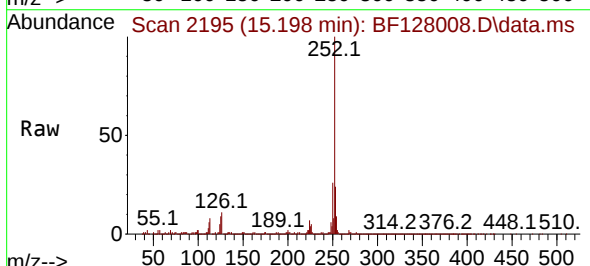
Delta R.T. 0.024 min

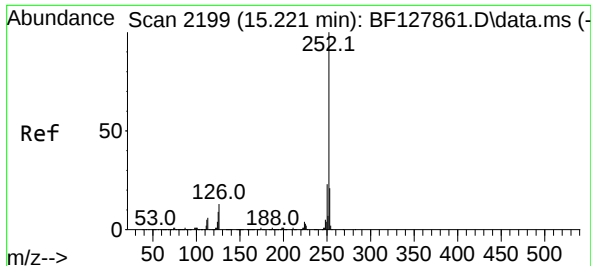
Lab File: BF128008.D

Acq: 29 Apr 2022 21:32

Tgt Ion:252 Resp: 1602020

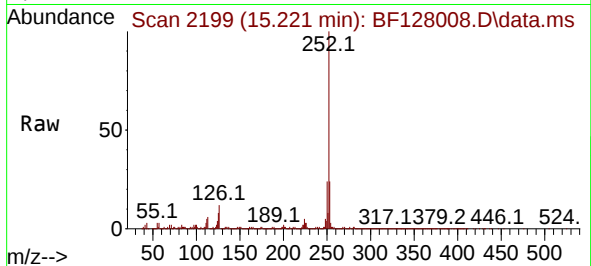
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	9.3	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 37.404 ng m
RT: 15.221 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

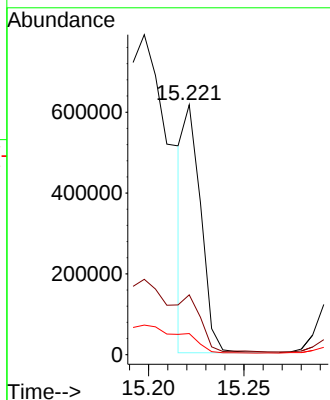
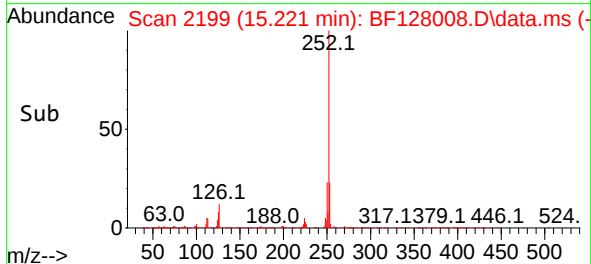
Instrument :
BNA_F
ClientSampleId :
TR-05-042822



Tgt Ion:252 Resp: 37407
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 8.5 6.8 10.2

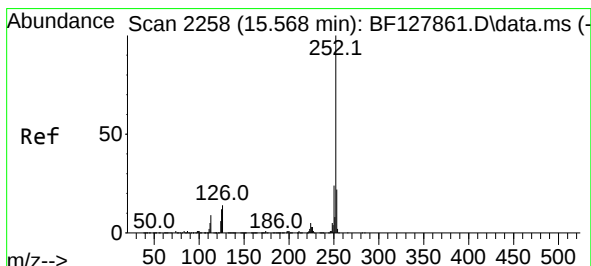
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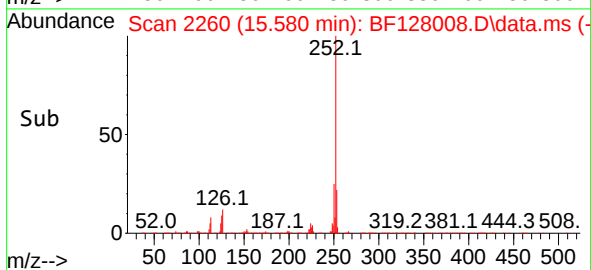
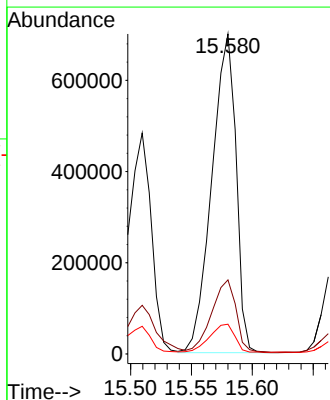
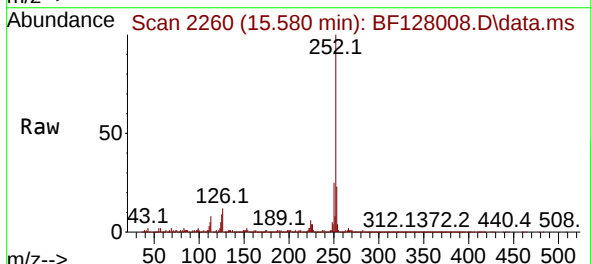
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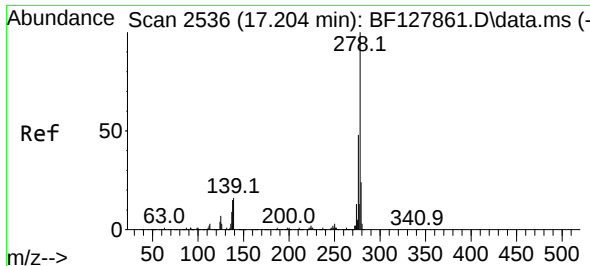
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#90
Benzo(a)pyrene
Concen: 117.517 ng
RT: 15.580 min Scan# 2260
Delta R.T. 0.024 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:252 Resp: 967641
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.3 9.2 13.8





#91
Dibenzo(a,h)anthracene
Concen: 14.364 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Instrument :

BNF

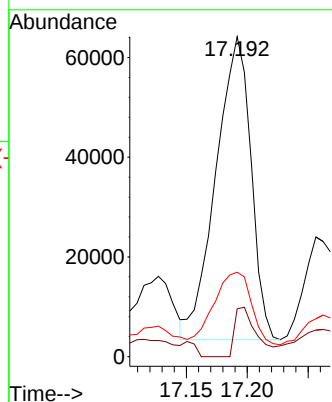
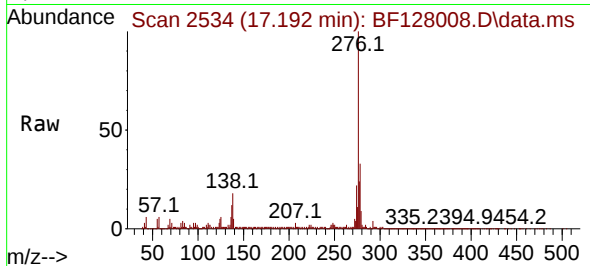
ClientSampleId :

TR-05-042822

Tgt Ion:278 Resp: 12152
Ion Ratio Lower Upper
278 100
139 14.9 12.6 19.0
279 26.4 18.9 28.3

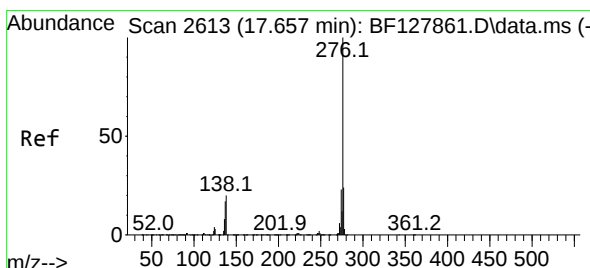
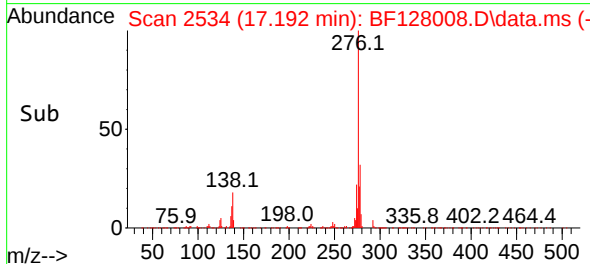
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



05/02/2022
Supervised By :Jagrut
Upadhyay

05/02/2022



#92
Benzo(g,h,i)perylene
Concen: 51.977 ng
RT: 17.662 min Scan# 2614
Delta R.T. 0.024 min
Lab File: BF128008.D
Acq: 29 Apr 2022 21:32

Tgt Ion:276 Resp: 463433
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 17.3 16.2 24.2

