

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122886.D
 Acq On : 30 Dec 2020 19:03
 Operator : JU/CG
 Sample : L5242-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7(434+26)

Manual Integrations
 APPROVED

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 12/31/2020 10:45:30 AM

Quant Time: Dec 31 00:55:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	120499	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	434699	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	211255	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	347106	20.00	ng	0.00
76) Chrysene-d12	14.010	240	281084	20.00	ng	0.02
86) Perylene-d12	15.486	264	386670	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	442295	58.11	ng	0.00
7) Phenol-d6	6.457	99	513806	50.90	ng	0.00
23) Nitrobenzene-d5	7.381	82	307058	35.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	139252	50.36	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	580800	37.19	ng	0.00
79) Terphenyl-d14	12.939	244	586707	36.54	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.722	152	238794	11.13	ng	97
52) Acenaphthene	9.892	154	81232	5.85	ng	98
55) Dibenzofuran	10.063	168	63865	3.27	ng	97
58) Fluorene	10.404	166	93808	6.04	ng	96
71) Phenanthrene	11.380	178	1761248	85.38	ng	100
72) Anthracene	11.427	178	515488	25.20	ng	98
73) Carbazole	11.580	167	725418	39.10	ng	99
75) Fluoranthene	12.604	202	6908178	319.35	ng	98
78) Pyrene	12.833	202	5833989	268.45	ng	97
81) Benzo(a)anthracene	13.998	228	1856362m	98.82	ng	
83) Chrysene	14.051	228	4142976	221.62	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	1349260	53.16	ng	96
88) Benzo(b)fluoranthene	15.080	252	5316132m	195.95	ng	
89) Benzo(k)fluoranthene	15.104	252	1146764m	46.23	ng	
90) Benzo(a)pyrene	15.433	252	1450980	61.13	ng	94
91) Dibenzo(a,h)anthracene	16.962	278	270070m	13.00	ng	
92) Benzo(g,h,i)perylene	17.409	276	1105967	55.01	ng	99

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

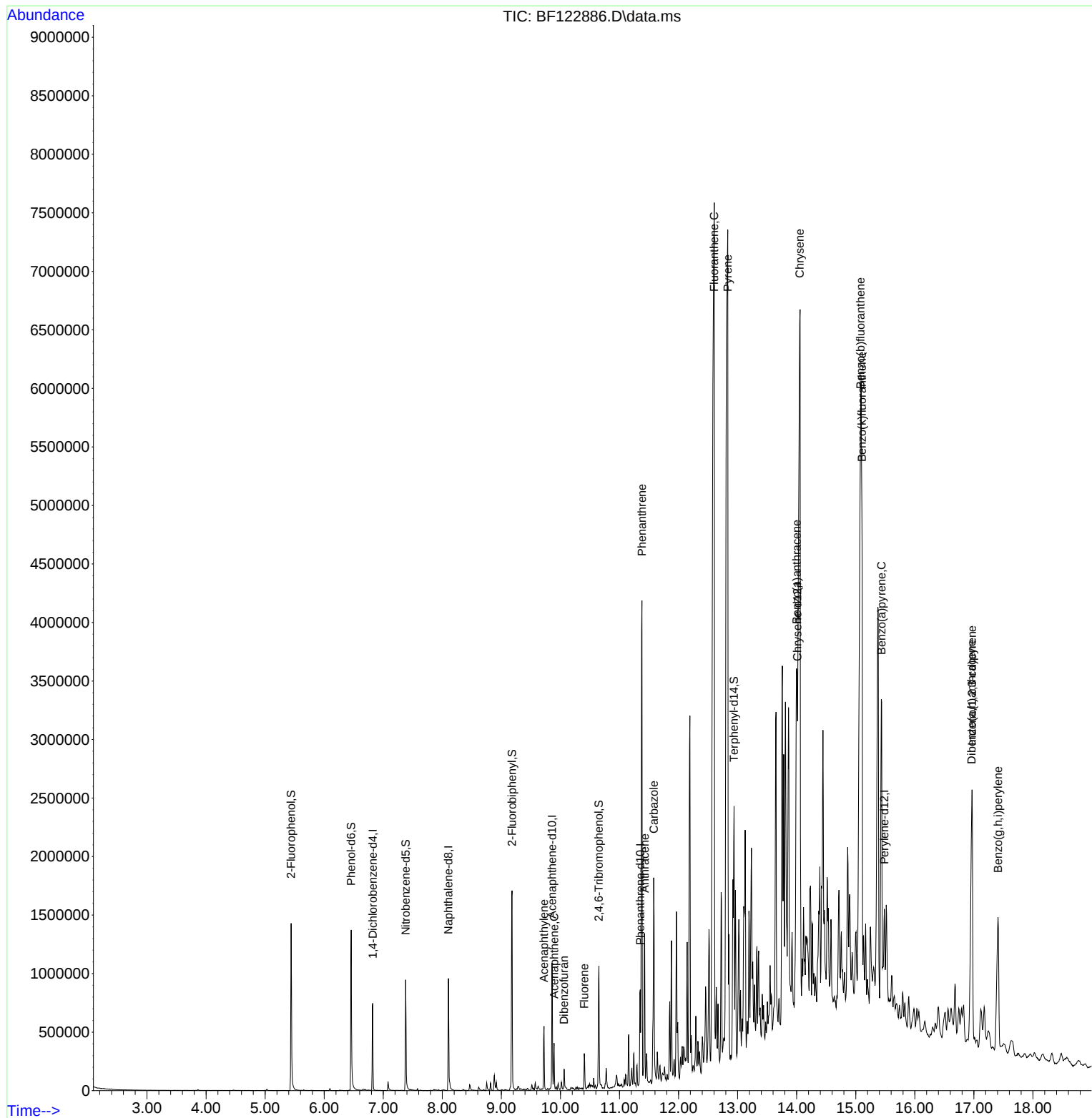
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122886.D
Acq On : 30 Dec 2020 19:03
Operator : JU/CG
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ALS Vial : 13 Sample Multiplier: 1

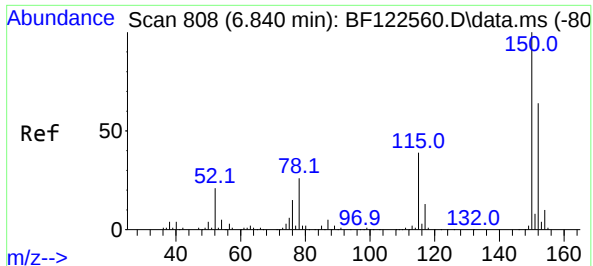
Instrument :
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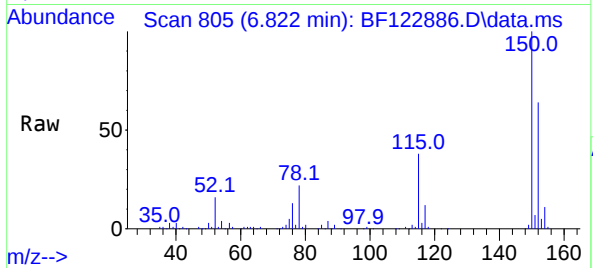
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Quant Time: Dec 31 00:55:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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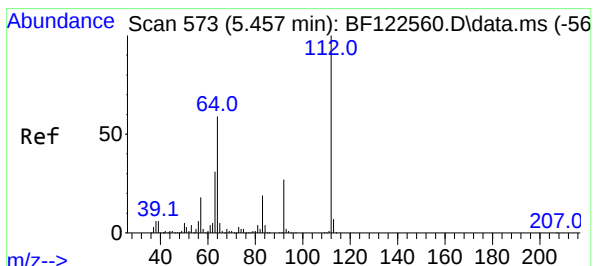
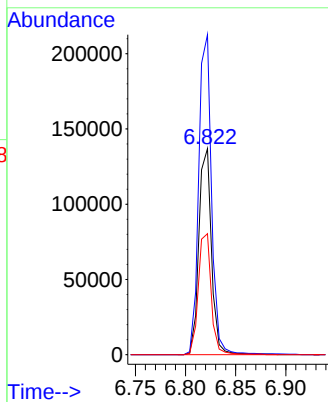
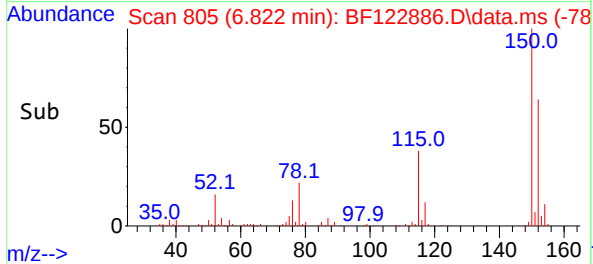




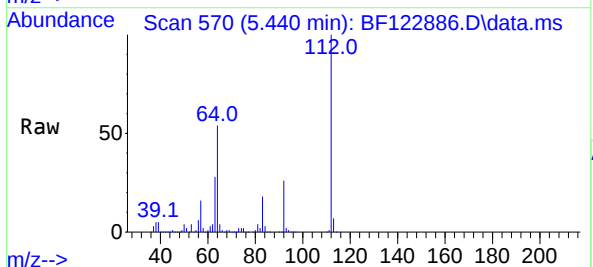
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



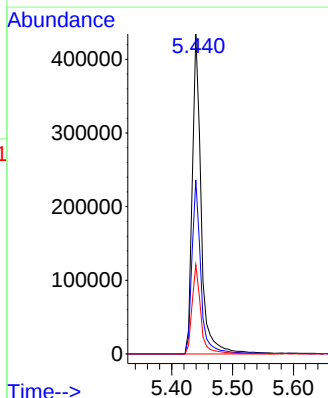
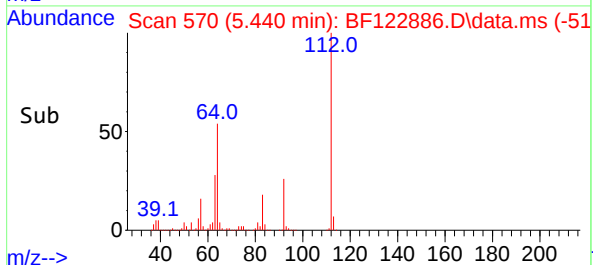
Tgt Ion:152 Resp: 120499
Ion Ratio Lower Upper
152 100
150 155.3 125.8 188.6
115 58.7 49.3 73.9



#5
2-Fluorophenol
Concen: 58.11 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



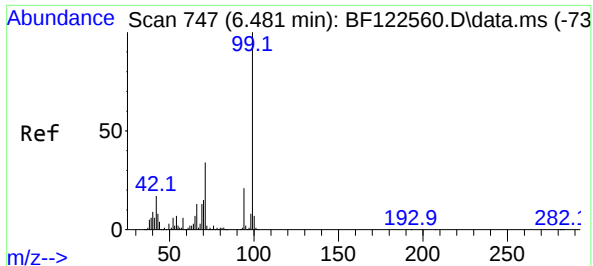
Tgt Ion:112 Resp: 442295
Ion Ratio Lower Upper
112 100
64 54.4 46.9 70.3
63 27.9 24.5 36.7



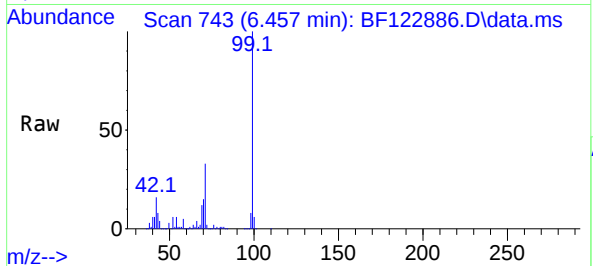
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

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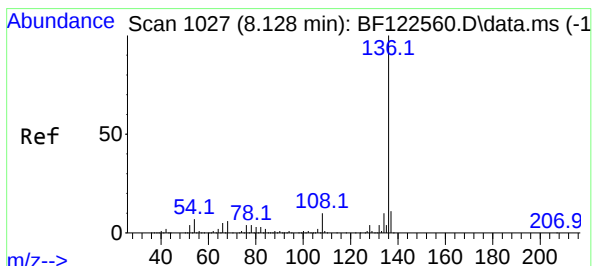
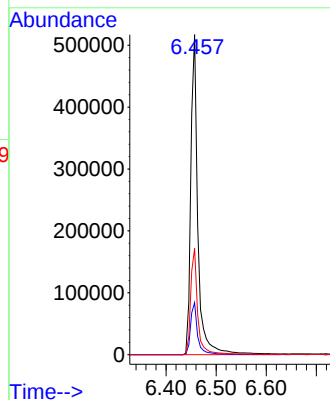
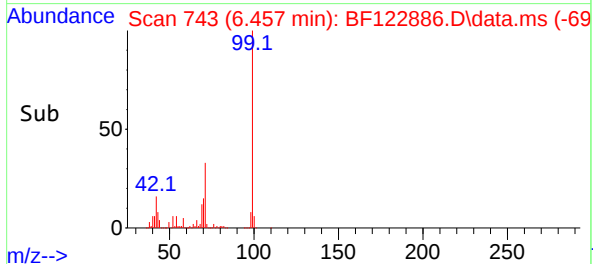
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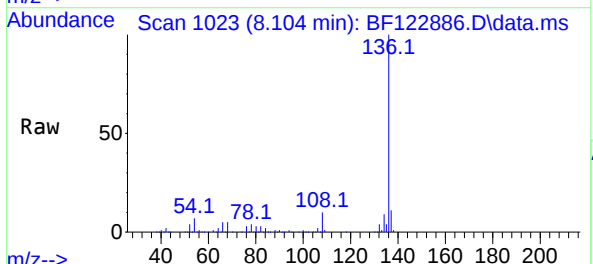
#7
Phenol-d6
Concen: 50.90 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



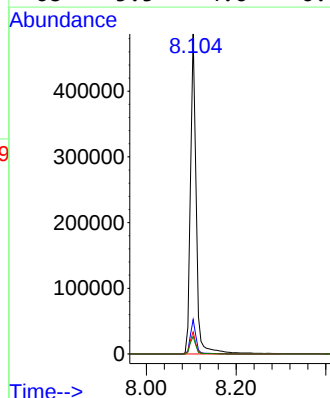
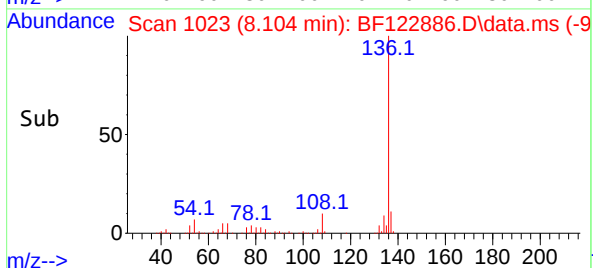
Tgt Ion: 99 Resp: 513806
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.6
71 33.2 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



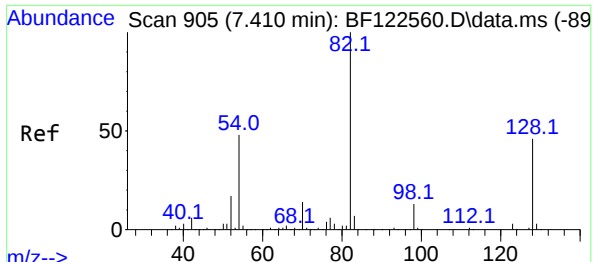
Tgt Ion: 136 Resp: 434699
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 5.5 8.3
68 5.5 4.6 6.8



Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

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#23

Nitrobenzene-d5

Concen: 35.39 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF122886.D

Acq: 30 Dec 2020 19:03

Tgt Ion: 82 Resp: 307058

Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.0	55.4
54	46.7	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

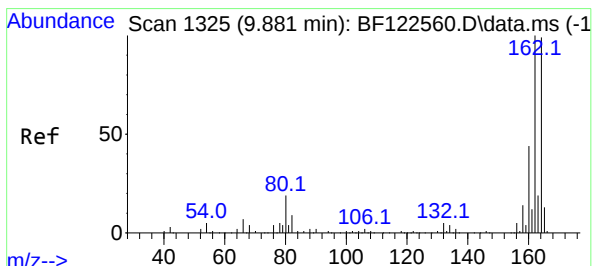
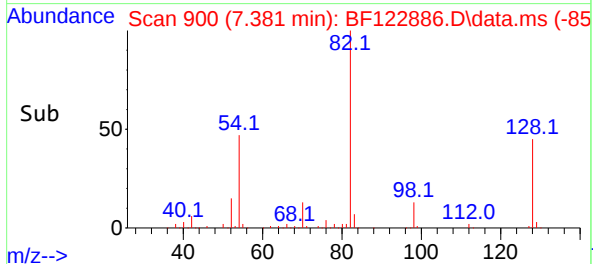
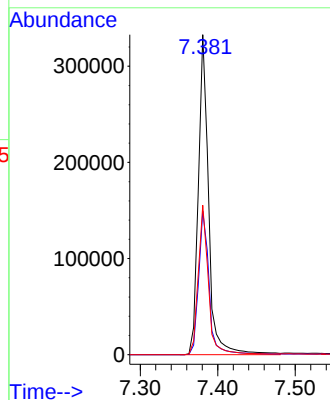
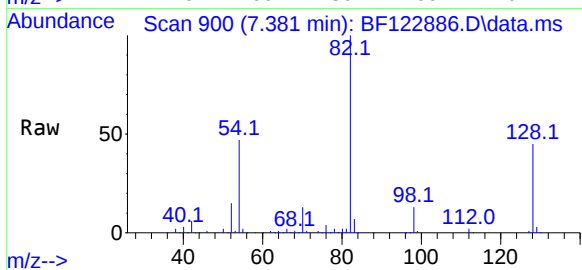
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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.857 min Scan# 1321

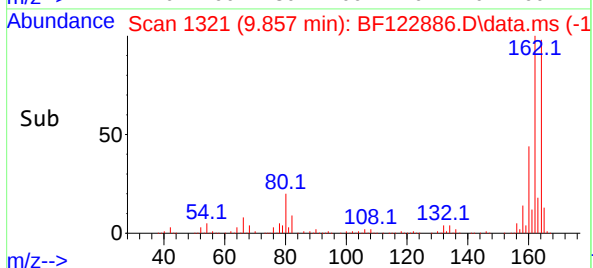
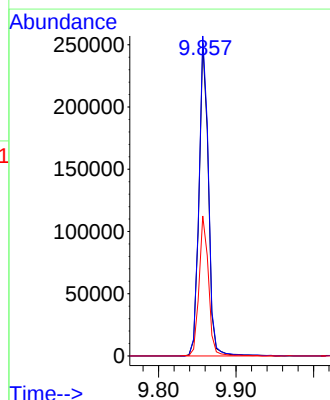
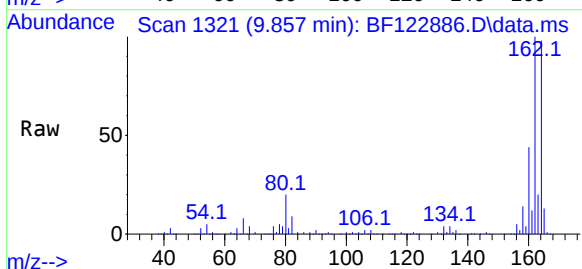
Delta R.T. -0.006 min

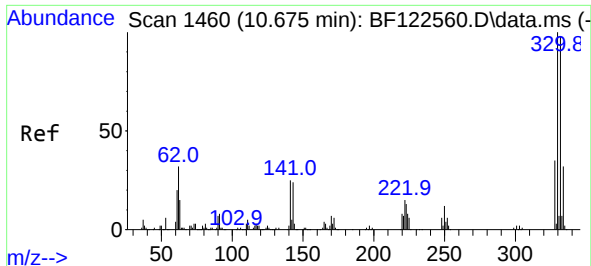
Lab File: BF122886.D

Acq: 30 Dec 2020 19:03

Tgt Ion: 164 Resp: 211255

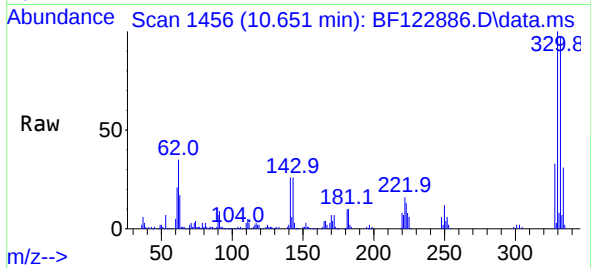
Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.8	121.2
160	44.7	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 50.36 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

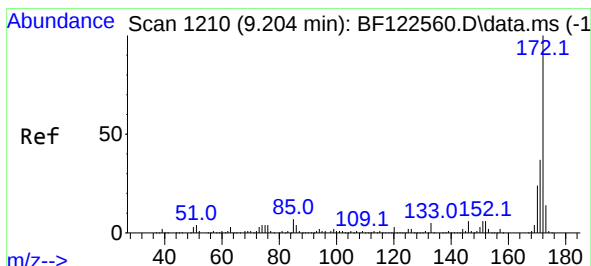
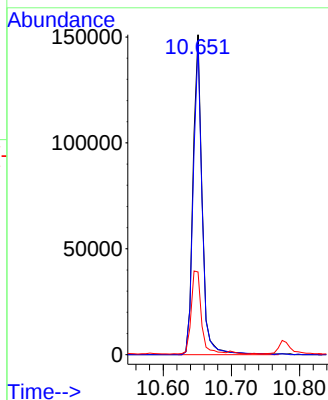
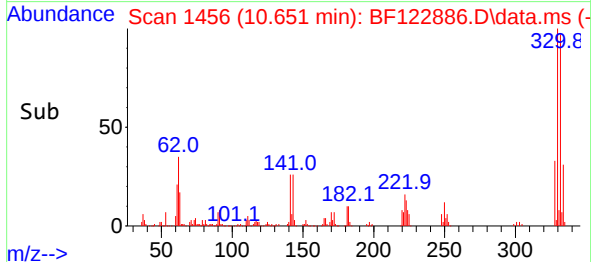
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)



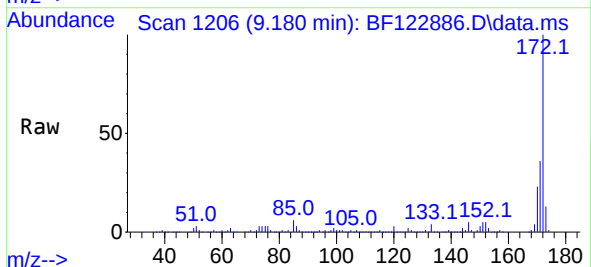
Tgt Ion: 330 Resp: 139252
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 28.6 23.8 35.8

Manual Integrations
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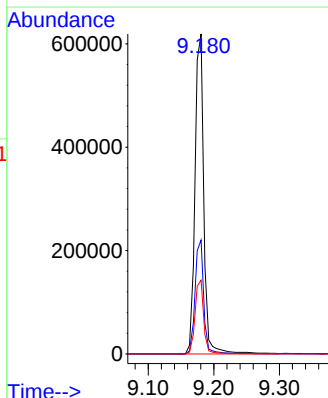
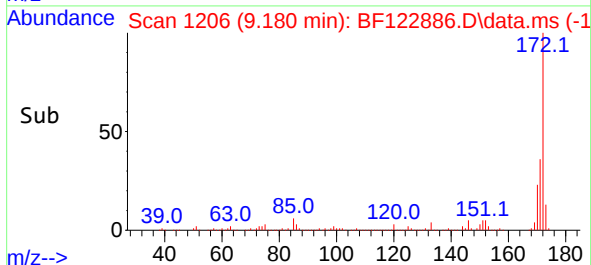
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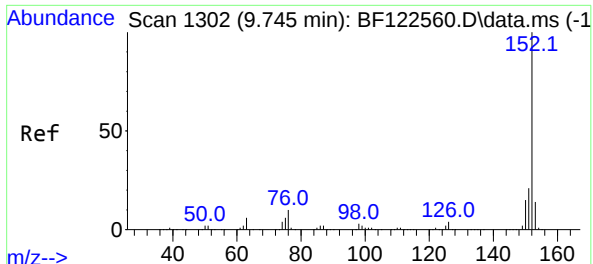


#45
2-Fluorobiphenyl
Concen: 37.19 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



Tgt Ion: 172 Resp: 580800
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.0 19.5 29.3





#49

Acenaphthylene

Concen: 11.13 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF122886.D

Acq: 30 Dec 2020 19:03

Tgt Ion:152 Resp: 238794

Ion Ratio Lower Upper

152 100

151 19.6 16.6 25.0

153 12.6 10.9 16.3

Instrument :

BNA_F

ClientSampleId :

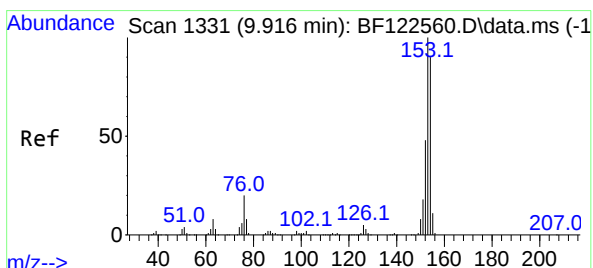
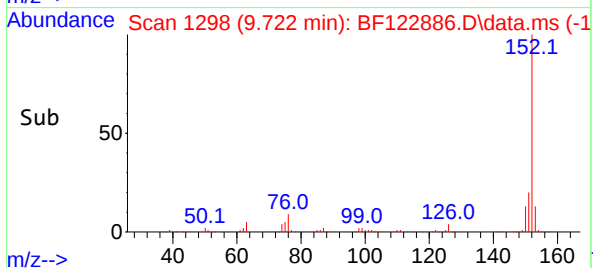
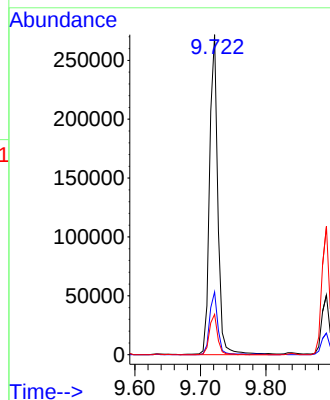
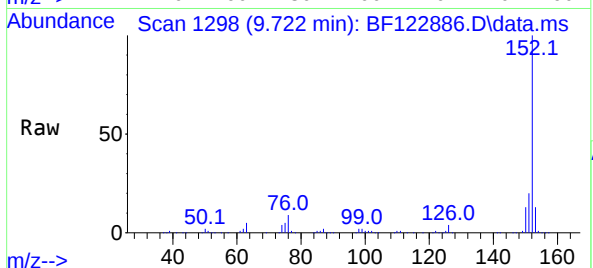
SAMPLE-7(434+26)

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#52

Acenaphthene

Concen: 5.85 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF122886.D

Acq: 30 Dec 2020 19:03

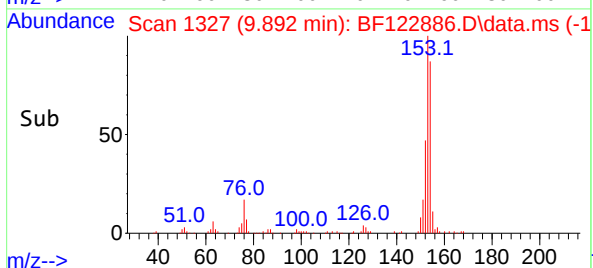
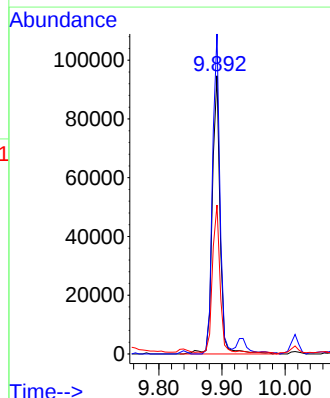
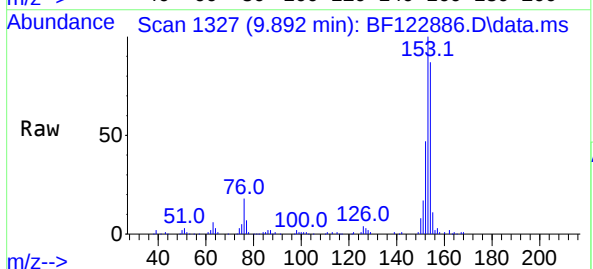
Tgt Ion:154 Resp: 81232

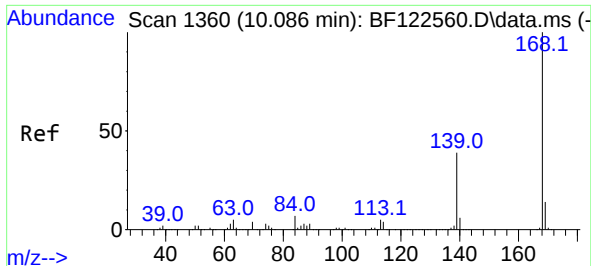
Ion Ratio Lower Upper

154 100

153 115.0 89.0 133.6

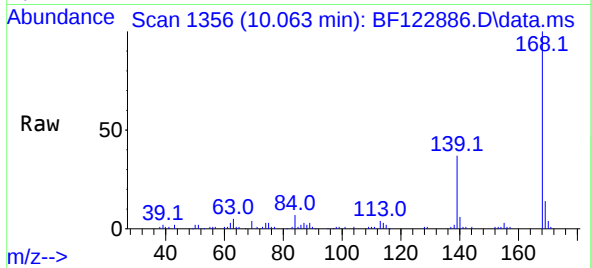
152 53.5 42.7 64.1





#55
Dibenzenofuran
Concen: 3.27 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

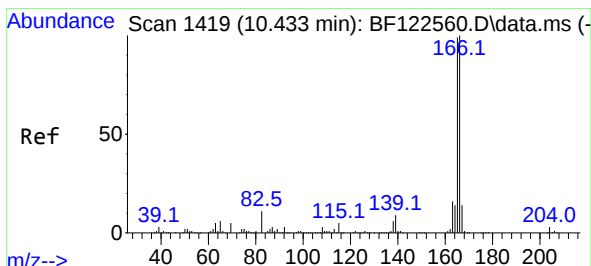
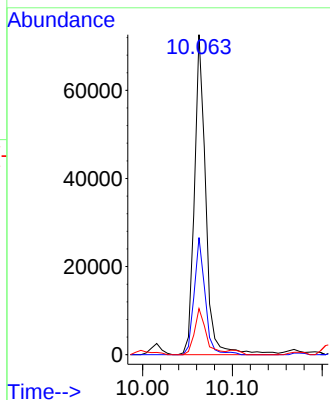
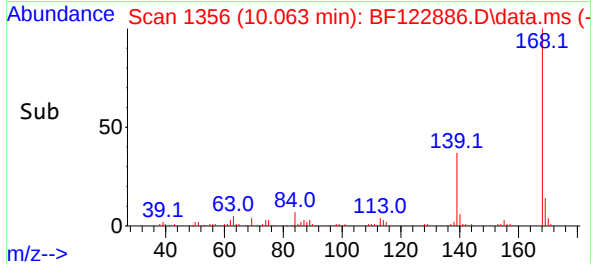
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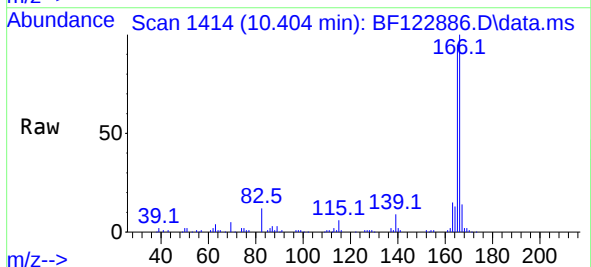
Tgt Ion:168 Resp: 63865
Ion Ratio Lower Upper
168 100
139 36.6 31.3 46.9
169 14.4 11.2 16.8

Manual Integrations
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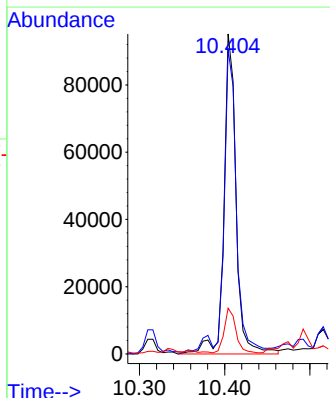
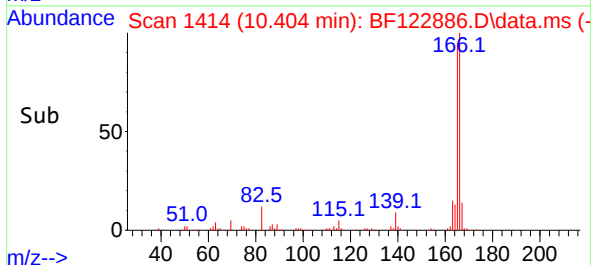
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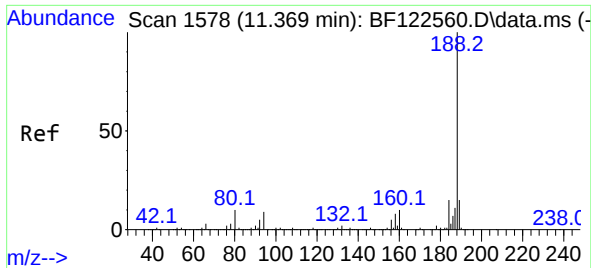


#58
Fluorene
Concen: 6.04 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



Tgt Ion:166 Resp: 93808
Ion Ratio Lower Upper
166 100
165 95.1 79.4 119.0
167 14.3 10.9 16.3





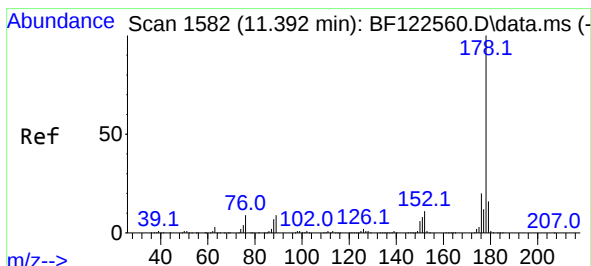
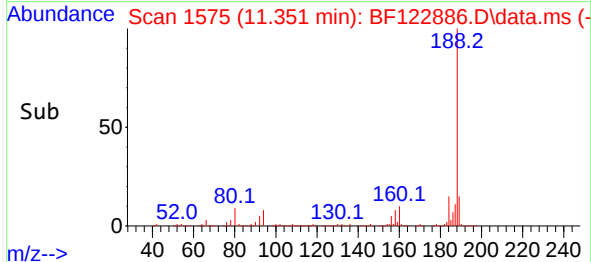
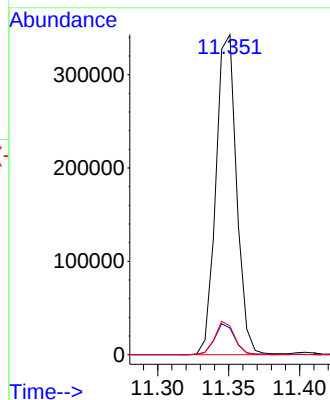
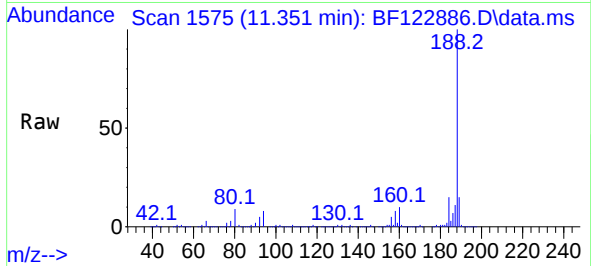
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

Tgt Ion:188 Resp: 347106
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 8.9 8.2 12.4

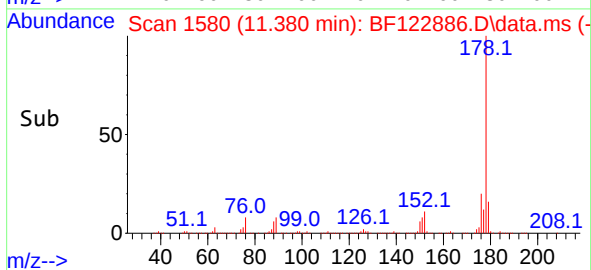
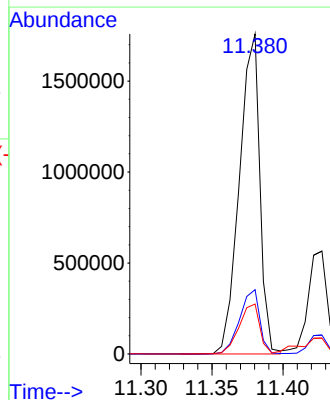
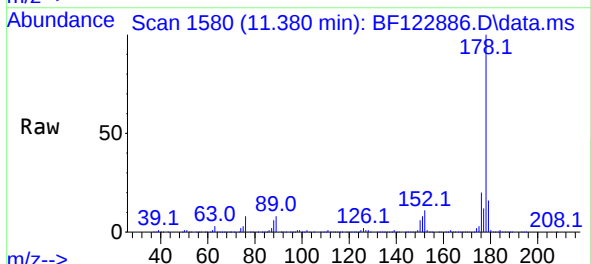
Manual Integrations
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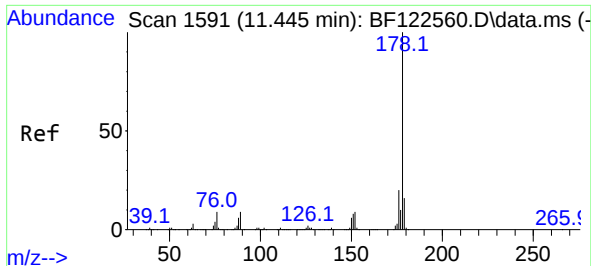
mohammad
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#71
Phenanthrene
Concen: 85.38 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.012 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

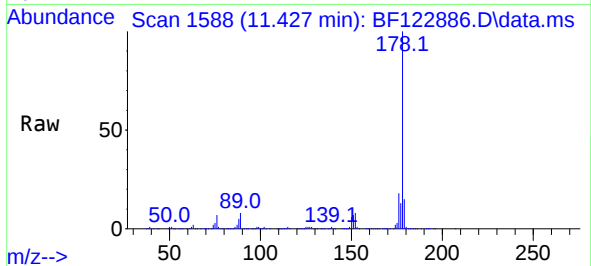
Tgt Ion:178 Resp: 1761248
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.2
179 15.6 12.7 19.1





#72
 Anthracene
 Concen: 25.20 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. 0.006 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03

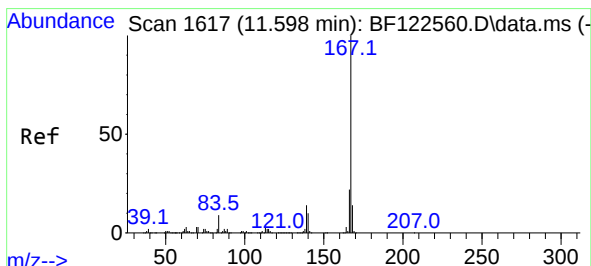
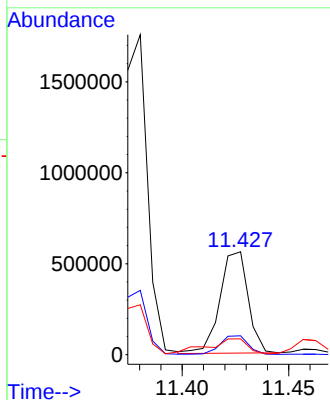
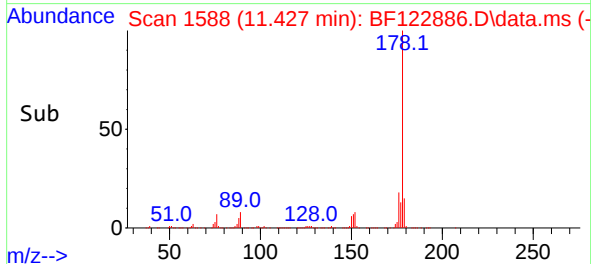
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7(434+26)



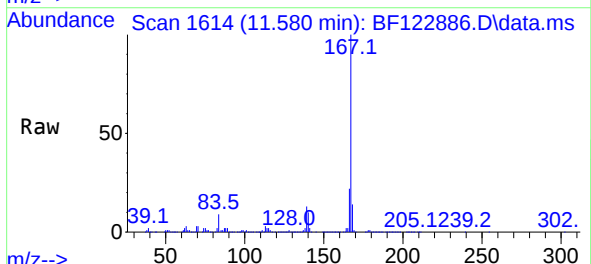
Tgt Ion:178 Resp: 515488
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.6 23.4
 179 15.4 12.8 19.2

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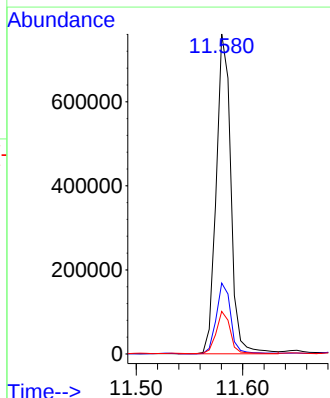
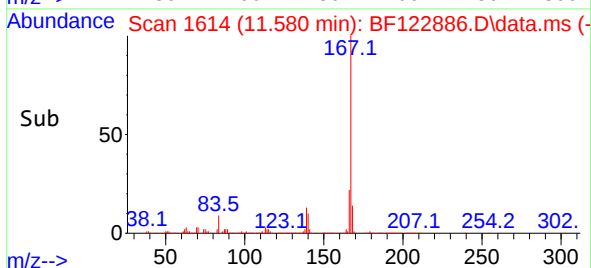
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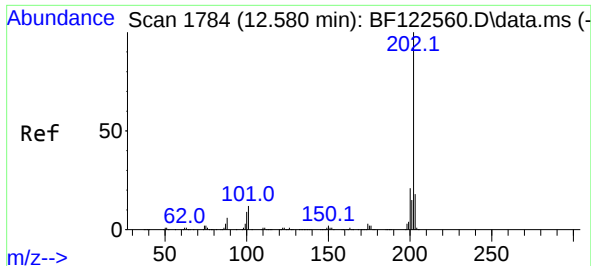


#73
 Carbazole
 Concen: 39.10 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122886.D
 Acq: 30 Dec 2020 19:03



Tgt Ion:167 Resp: 725418
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.0 27.0
 139 13.3 10.9 16.3





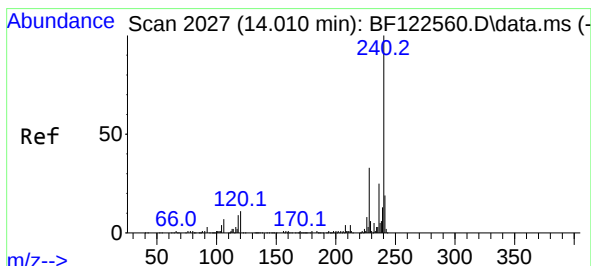
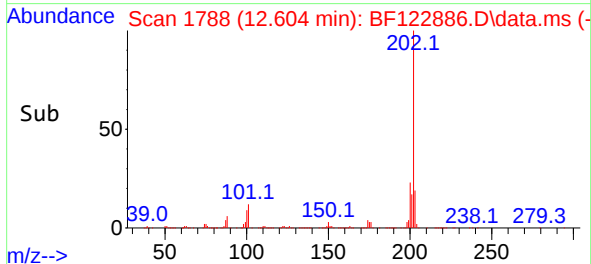
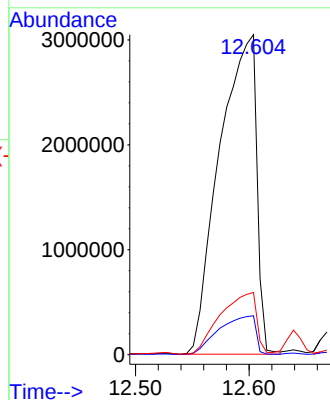
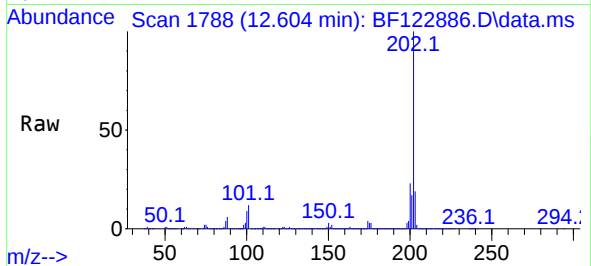
#75
Fluoranthene
Concen: 319.35 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.047 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:202 Resp: 6908178
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.2
203 19.4 0.0 38.1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

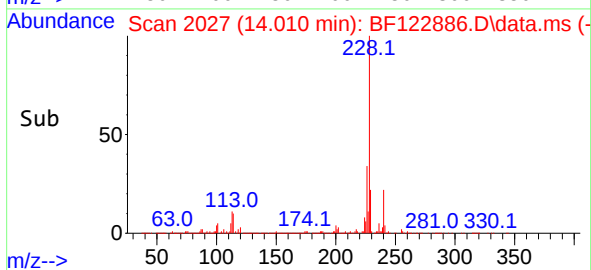
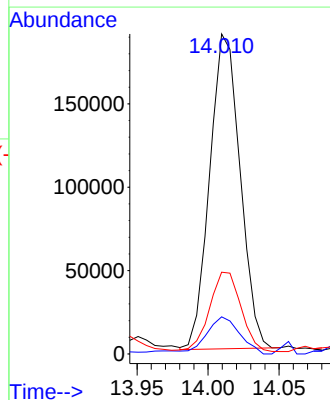
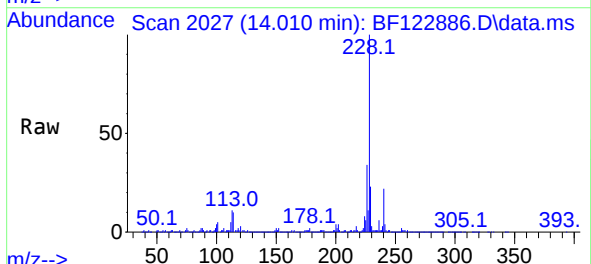
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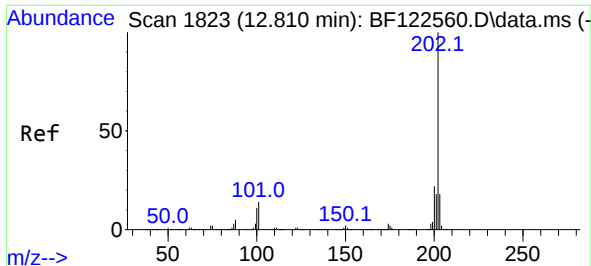
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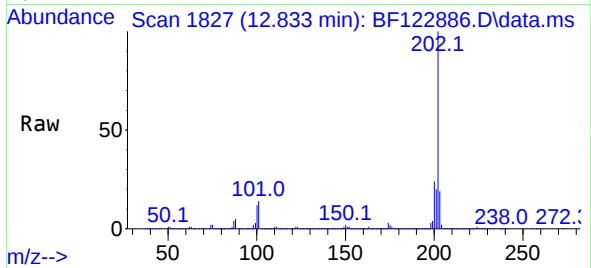
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.023 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:240 Resp: 281084
Ion Ratio Lower Upper
240 100
120 11.6 8.6 12.8
236 25.6 20.3 30.5



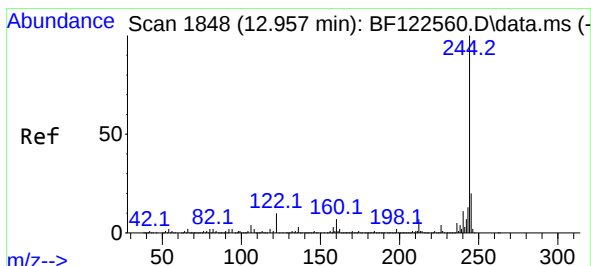
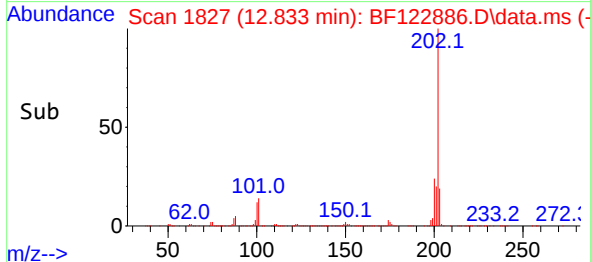
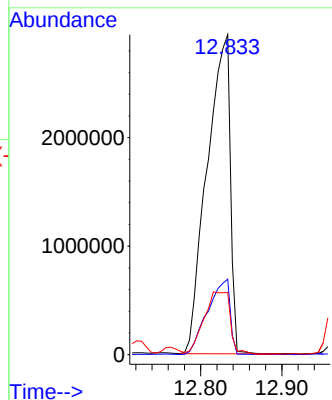


#78
Pyrene
Concen: 268.45 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.047 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

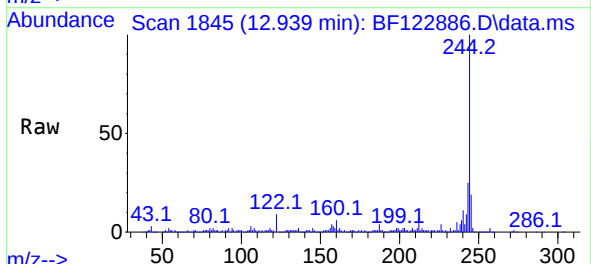


Tgt Ion:202 Resp: 5833989

Ion	Ratio	Lower	Upper
202	100		
200	23.6	17.6	26.4
203	19.4	14.6	21.8

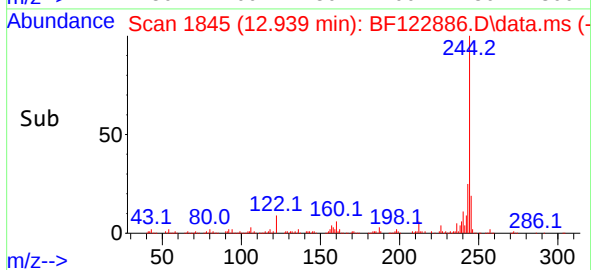
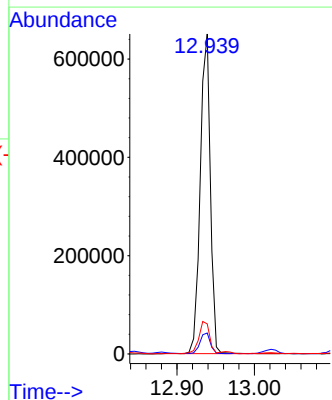


#79
Terphenyl-d14
Concen: 36.54 ng
RT: 12.939 min Scan# 1845
Delta R.T. 0.006 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



Tgt Ion:244 Resp: 586707

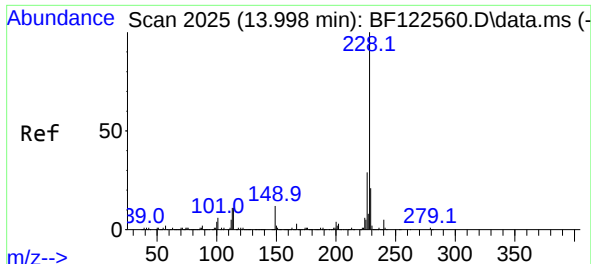
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	9.4	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

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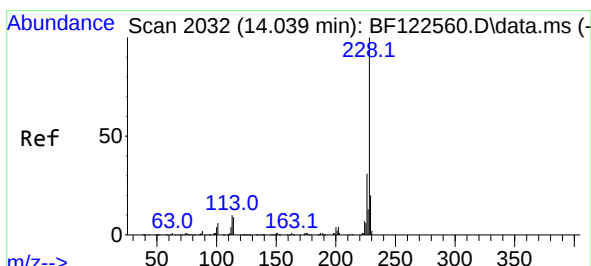
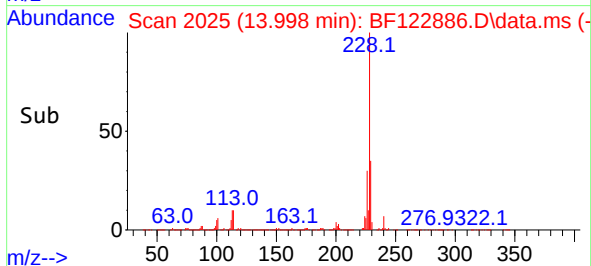
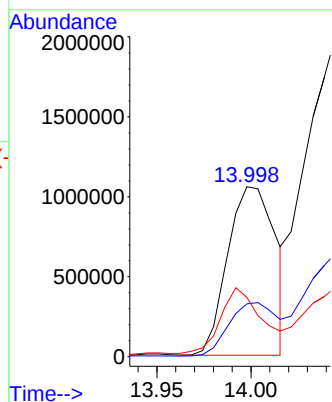
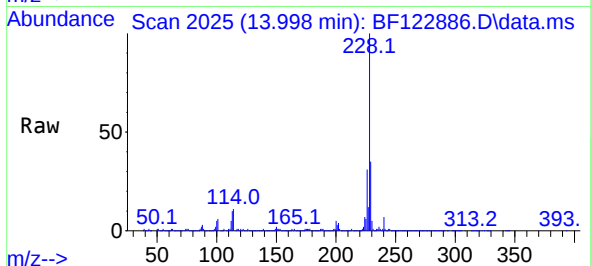
#81
Benzo(a)anthracene
Concen: 98.82 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.023 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:228 Resp: 1856362
Ion Ratio Lower Upper
228 100
226 31.1 23.0 34.4
229 34.8 16.6 24.8#

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

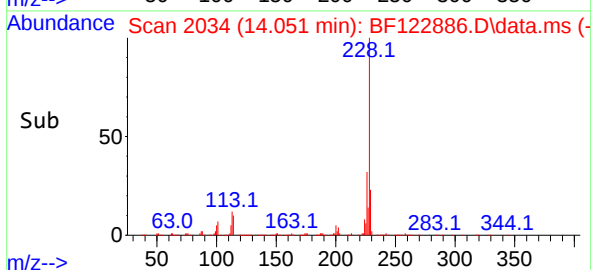
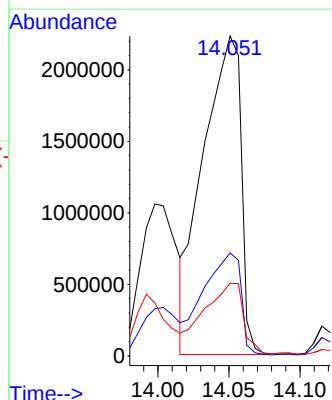
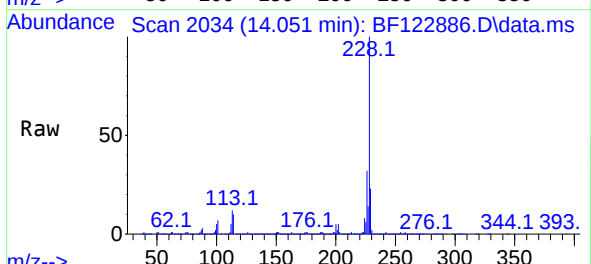
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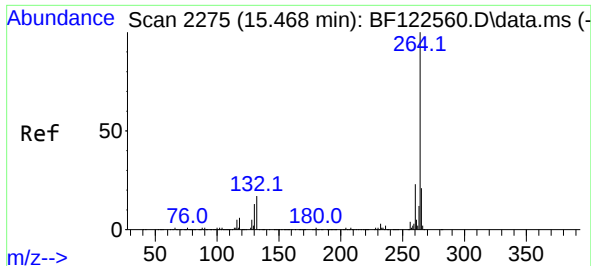
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#83
Chrysene
Concen: 221.62 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.035 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

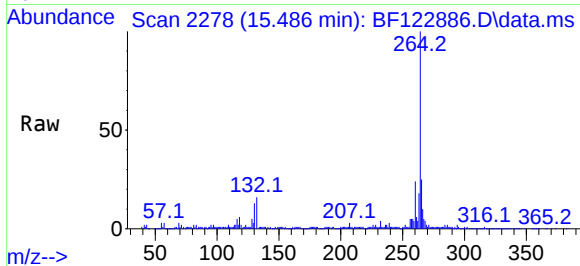
Tgt Ion:228 Resp: 4142976
Ion Ratio Lower Upper
228 100
226 32.2 24.6 36.8
229 22.8 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.047 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

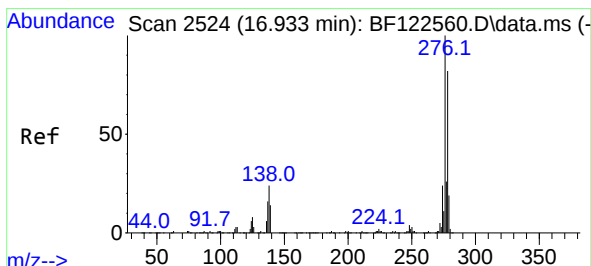
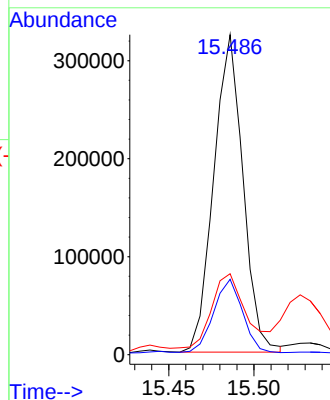
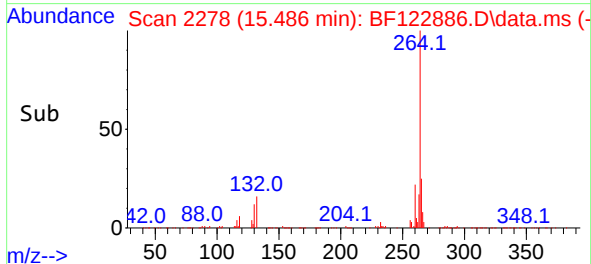
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)



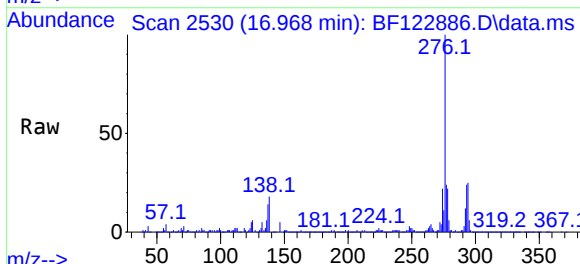
Tgt Ion:264 Resp: 386670
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 25.3 17.0 25.6

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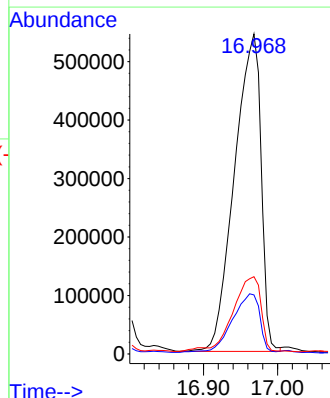
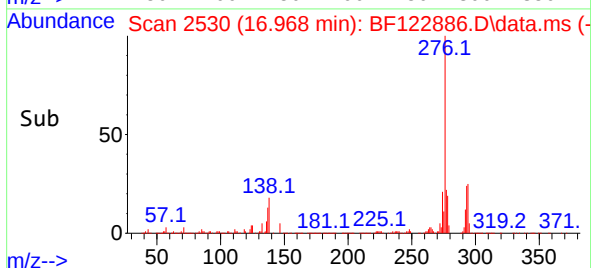
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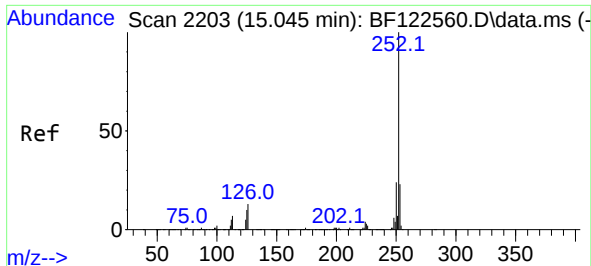


#87
Indeno(1,2,3-cd)pyrene
Concen: 53.16 ng
RT: 16.968 min Scan# 2530
Delta R.T. 0.076 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



Tgt Ion:276 Resp: 1349260
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 25.2 20.2 30.4





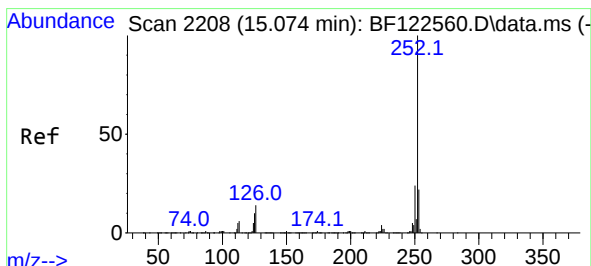
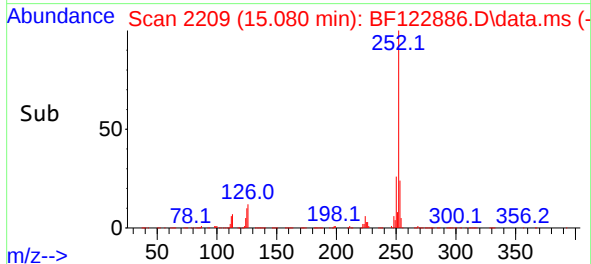
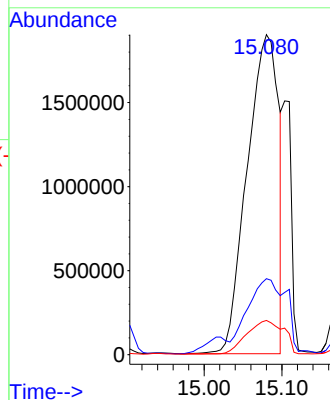
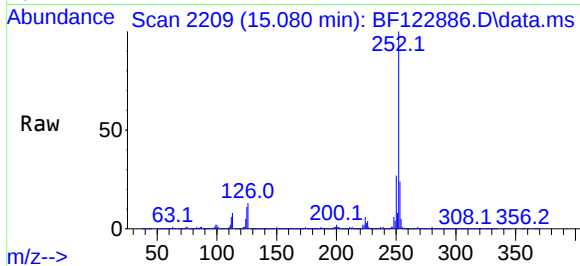
#88
Benzo(b)fluoranthene
Concen: 195.95 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.059 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Tgt Ion:252 Resp: 5316132
Ion Ratio Lower Upper
252 100
253 23.8 18.3 27.5
125 10.7 8.1 12.1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)

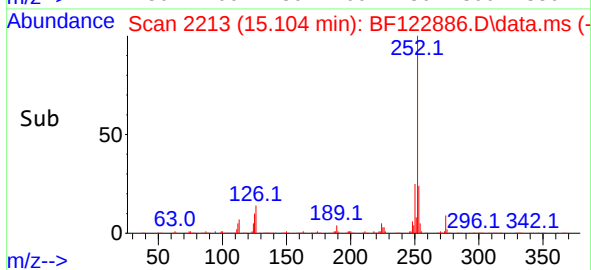
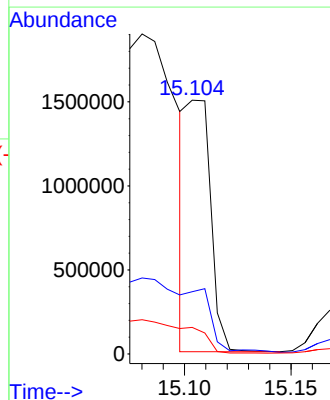
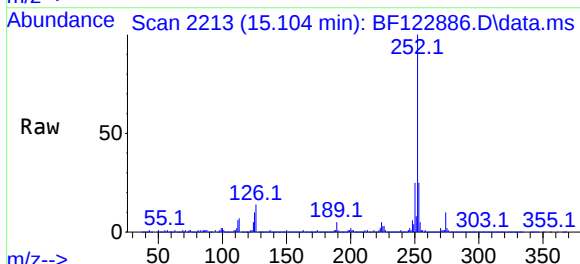
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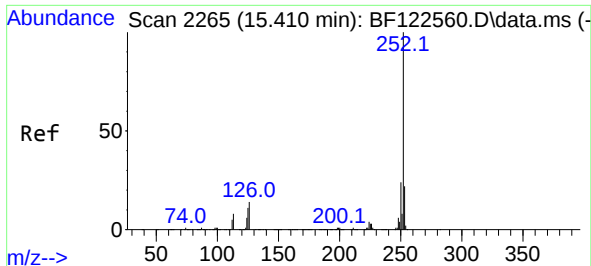
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#89
Benzo(k)fluoranthene
Concen: 46.23 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.053 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

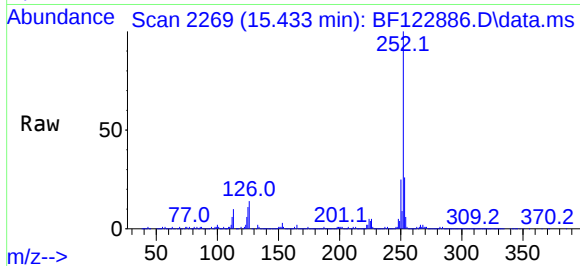
Tgt Ion:252 Resp: 1146764
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 10.4 8.4 12.6





#90
Benzo(a)pyrene
Concen: 61.13 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.053 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

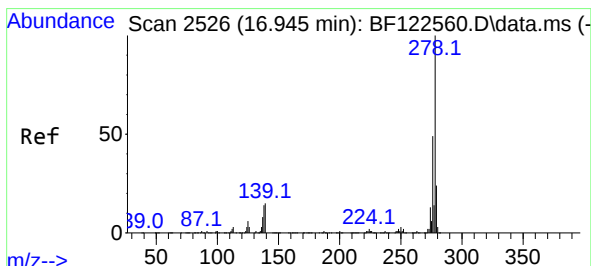
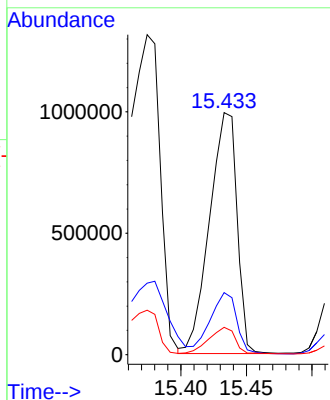
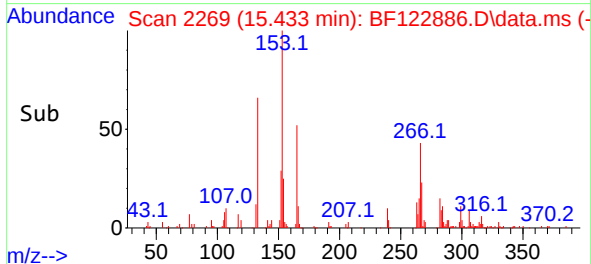
Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)



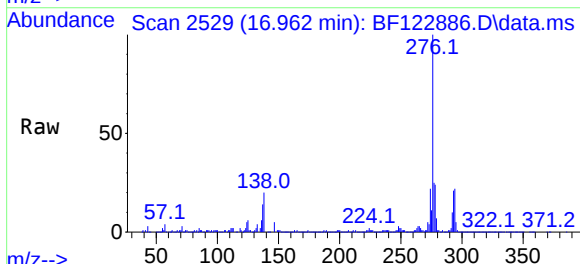
Tgt Ion:252 Resp: 1450980
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 11.3 8.6 12.8

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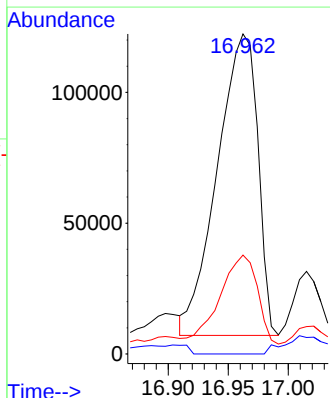
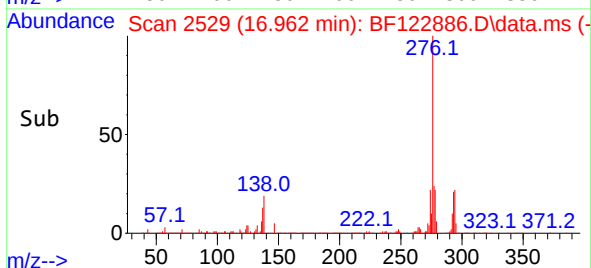
mohammad
12/31/2020 10:45:30 AM

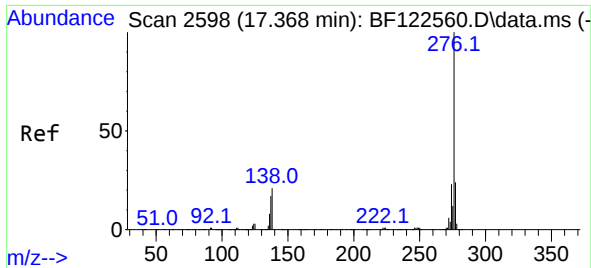


#91
Dibenzo(a,h)anthracene
Concen: 13.00 ng m
RT: 16.962 min Scan# 2529
Delta R.T. 0.059 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03



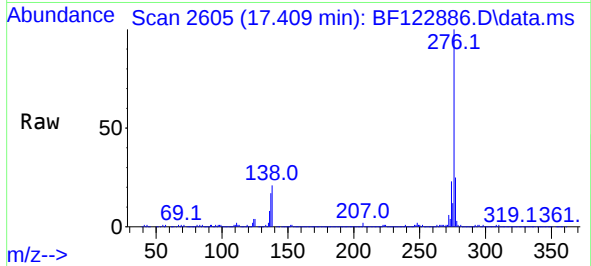
Tgt Ion:278 Resp: 270070
Ion Ratio Lower Upper
278 100
139 0.0 12.0 18.0#
279 30.9 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 55.01 ng
RT: 17.409 min Scan# 2605
Delta R.T. 0.082 min
Lab File: BF122886.D
Acq: 30 Dec 2020 19:03

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7(434+26)



Tgt Ion:276 Resp: 1105967
Ion Ratio Lower Upper
276 100
277 25.3 19.3 28.9
138 20.6 16.6 24.8

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