

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
 Data File : BF122528.D
 Acq On : 1 Dec 2020 18:31
 Operator : JU/CG
 Sample : L4910-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B47-113020-10-12.75

Quant Time: Dec 01 23:55:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 14:38:56 2020
 Response via : Initial Calibration

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

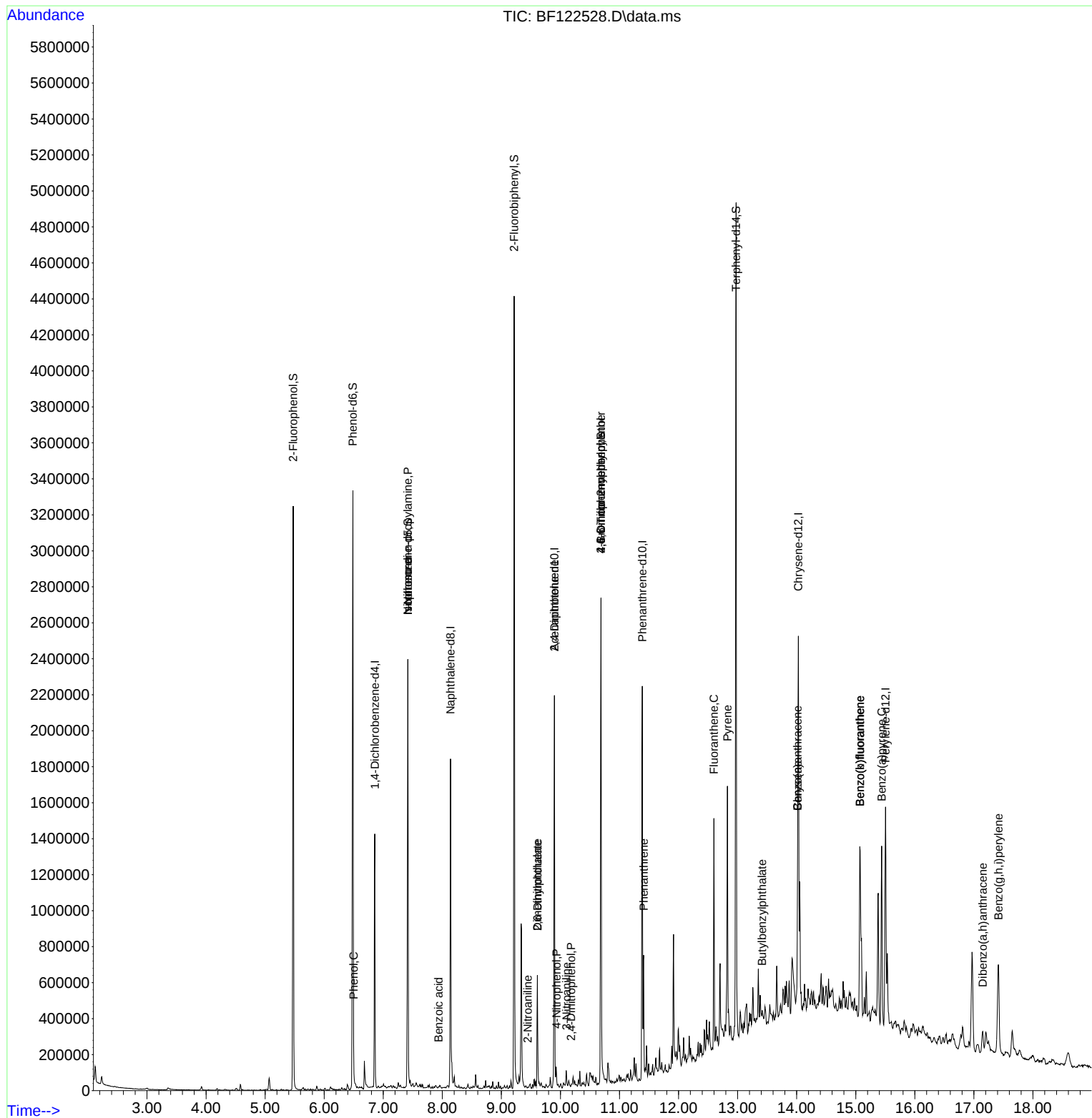
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	203610	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	796262	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	429887	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	814185	20.00	ng	0.00
76) Chrysene-d12	14.027	240	609424	20.00	ng	0.00
86) Perylene-d12	15.504	264	593850	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	905361	68.28	ng	0.00
7) Phenol-d6	6.487	99	1178033	67.91	ng	-0.01
23) Nitrobenzene-d5	7.416	82	746603	57.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	371051	80.42	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1420538	51.63	ng	0.00
79) Terphenyl-d14	12.974	244	1532041	53.26	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	4015	Below Cal		91
10) Phenol	6.498	94	40404	2.37 ng	#	75
19) n-Nitroso-di-n-propyla...	7.416	70	101565	9.80 ng	#	72
25) Isophorone	7.416	82	738255	25.46 ng	#	67
32) Benzoic acid	7.939	122	703	8.04 ng	#	79
48) 2-Nitroaniline	9.445	65	358	5.21 ng	#	1
50) Dimethylphthalate	9.610	163	245137	8.02 ng		99
51) 2,6-Dinitrotoluene	9.610	165	3044	4.23 ng	#	43
53) 3-Nitroaniline	10.104	138	319	3.60 ng	#	1
54) 2,4-Dinitrophenol	10.180	184	387	6.58 ng	#	22
56) 4-Nitrophenol	9.933	139	271	5.44 ng	#	51
57) 2,4-Dinitrotoluene	9.898	165	56141	10.63 ng	#	20
65) 4,6-Dinitro-2-methylph...	10.686	198	779	6.42 ng	#	1
67) 4-Bromophenyl-phenylether	10.686	248	23587	2.47 ng	#	1
71) Phenanthrene	11.410	178	259611	5.62 ng		99
75) Fluoranthene	12.598	202	441383	9.15 ng		97
78) Pyrene	12.827	202	542767	12.68 ng		99
80) Butylbenzylphthalate	13.415	149	386	3.31 ng	#	61
81) Benzo(a)anthracene	14.015	228	283228	7.47 ng		95
83) Chrysene	14.015	228	283228	7.42 ng		97
88) Benzo(b)fluoranthene	15.074	252	705364	18.34 ng		97
89) Benzo(k)fluoranthene	15.074	252	705364	18.81 ng		96
90) Benzo(a)pyrene	15.439	252	481967	14.37 ng		97
91) Dibenzo(a,h)anthracene	17.151	278	74615	2.50 ng		94
92) Benzo(g,h,i)perylene	17.415	276	422338	14.55 ng		98

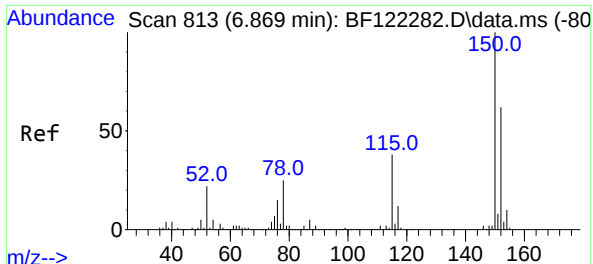
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 24 14:38:56 2020
Response via : Initial Calibration

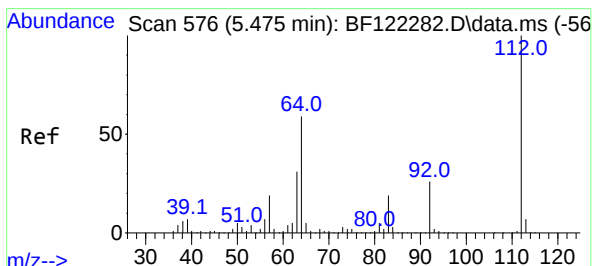
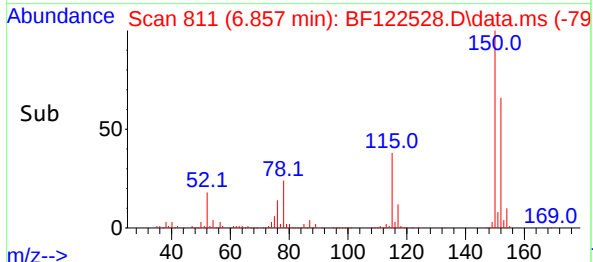
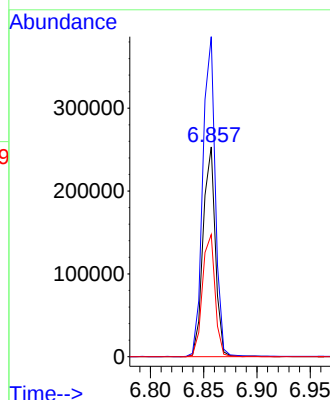
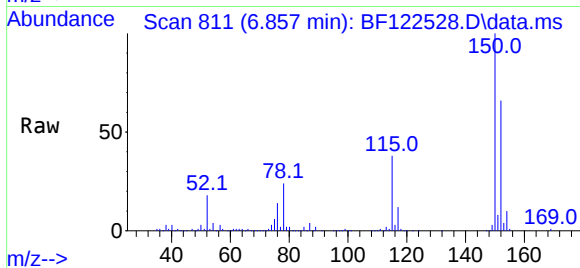




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

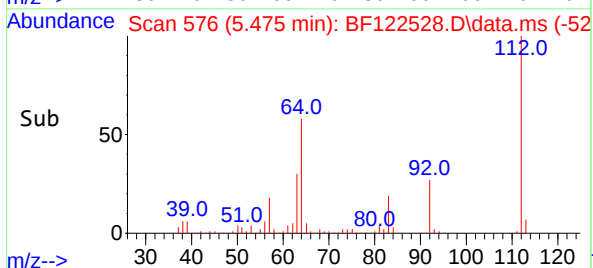
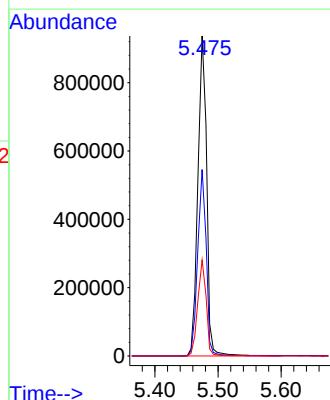
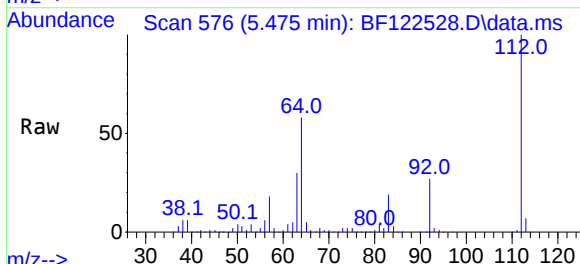
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BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

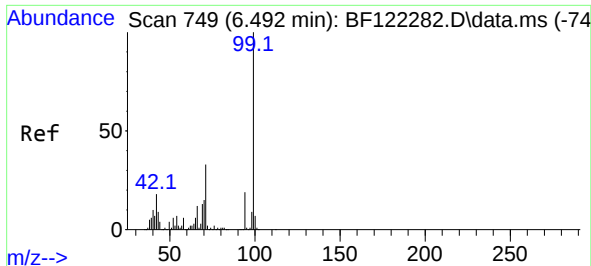
Tgt Ion:152 Resp: 203610
Ion Ratio Lower Upper
152 100
150 152.6 125.3 187.9
115 58.2 51.9 77.9



#5
2-Fluorophenol
Concen: 68.28 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:112 Resp: 905361
Ion Ratio Lower Upper
112 100
64 58.2 50.4 75.6
63 30.0 25.8 38.6



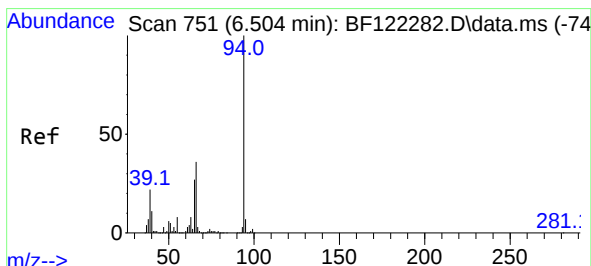
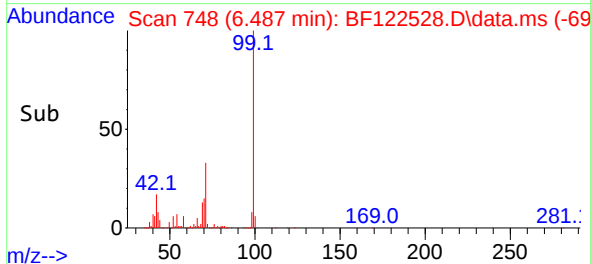
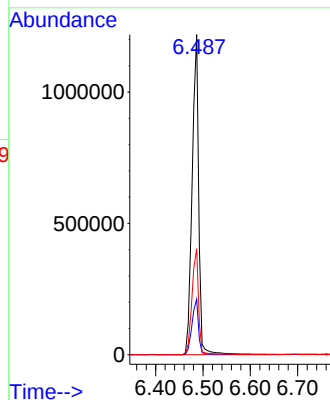
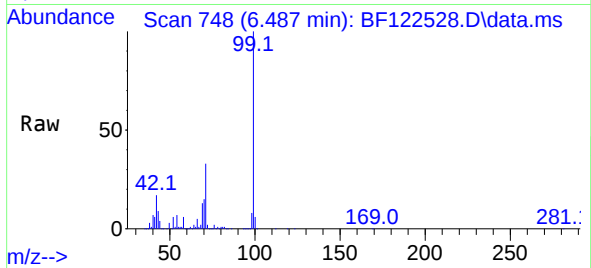


#7
Phenol-d6
Concen: 67.91 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

Tgt Ion: 99 Resp: 1178033

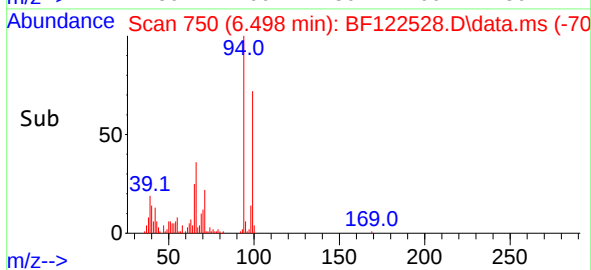
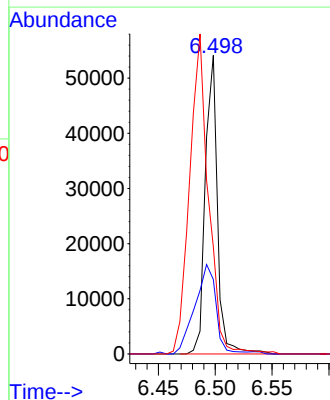
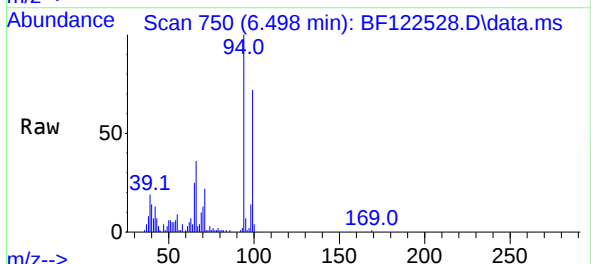
Ion	Ratio	Lower	Upper
99	100		
42	17.3	15.9	23.9
71	33.1	27.1	40.7

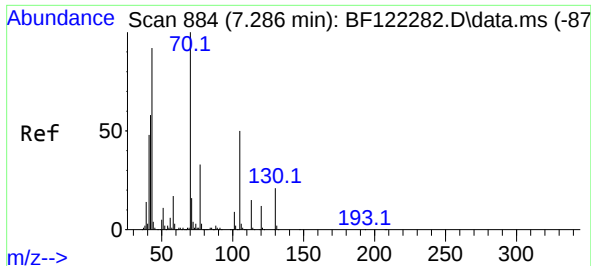


#10
Phenol
Concen: 2.37 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion: 94 Resp: 40404

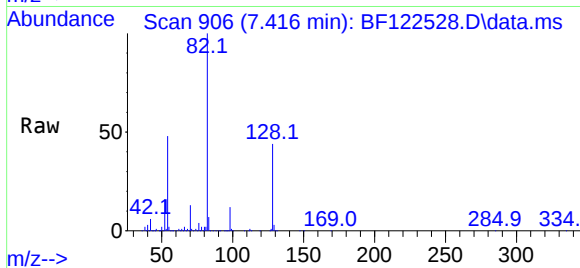
Ion	Ratio	Lower	Upper
94	100		
65	25.0	17.1	57.1
66	35.9	36.0	76.0



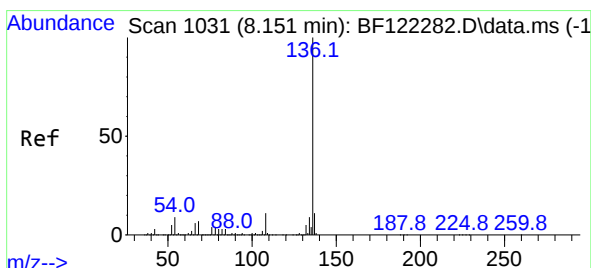
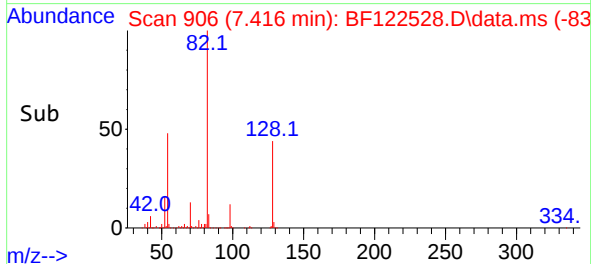
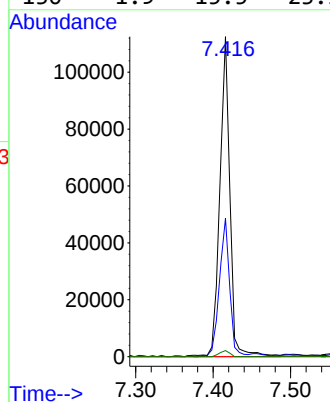


#19
n-Nitroso-di-n-propylamine
Concen: 9.80 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

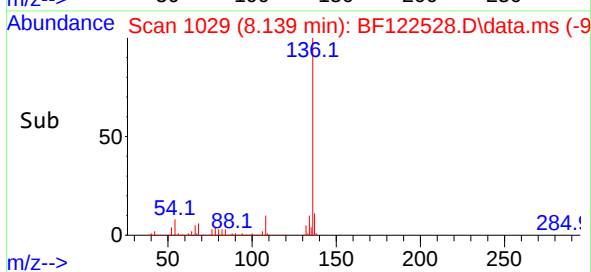
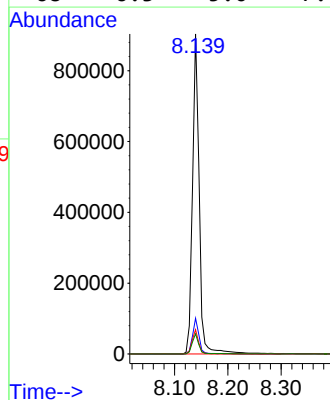
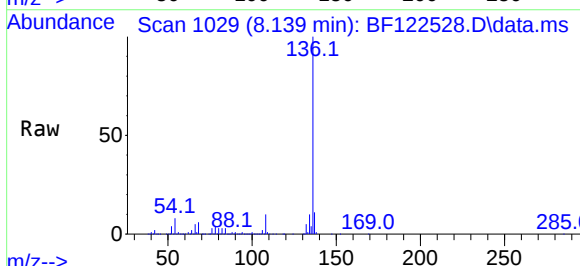


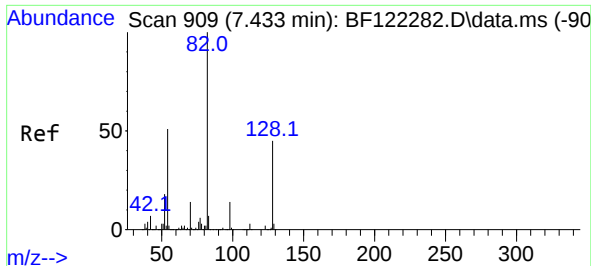
Tgt Ion: 70 Resp: 101565
Ion Ratio Lower Upper
70 100
42 43.2 50.2 75.4#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion: 136 Resp: 796262
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.6 7.1 10.7
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 57.40 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF122528.D

Acq: 1 Dec 2020 18:31

Tgt Ion: 82 Resp: 746603

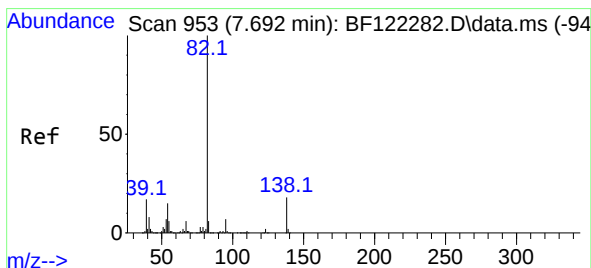
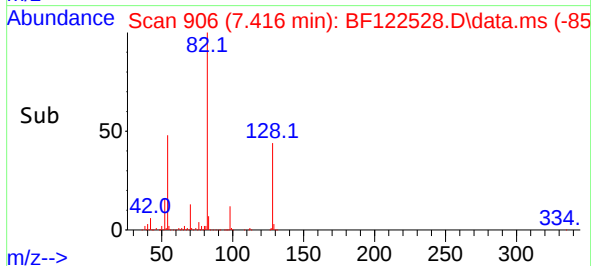
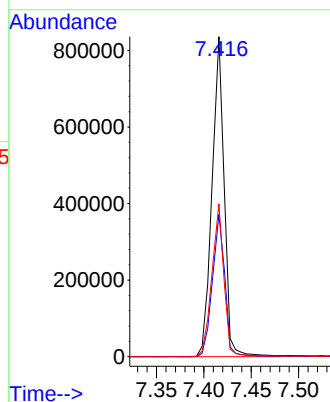
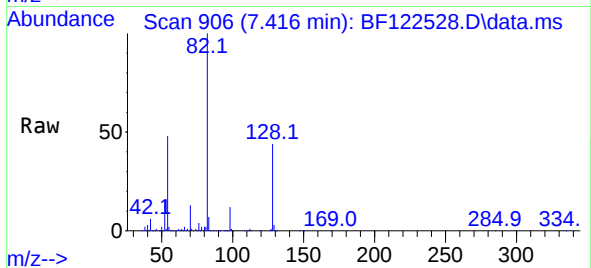
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.0	52.4
54	47.7	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

PAV-B47-113020-10-12.75



#25

Isophorone

Concen: 25.46 ng

RT: 7.416 min Scan# 906

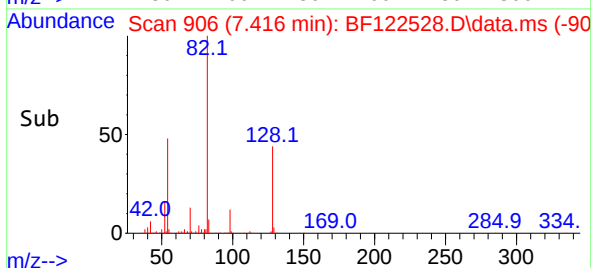
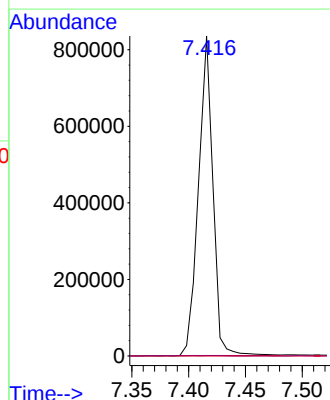
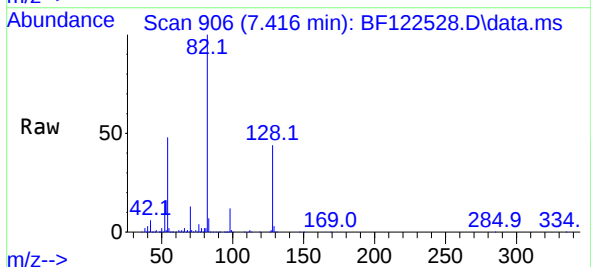
Delta R.T. -0.271 min

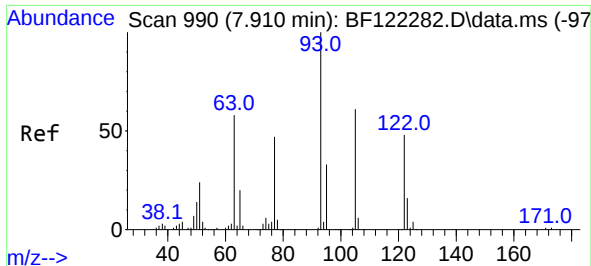
Lab File: BF122528.D

Acq: 1 Dec 2020 18:31

Tgt Ion: 82 Resp: 738255

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.4	8.0#
138	0.0	13.4	20.0#

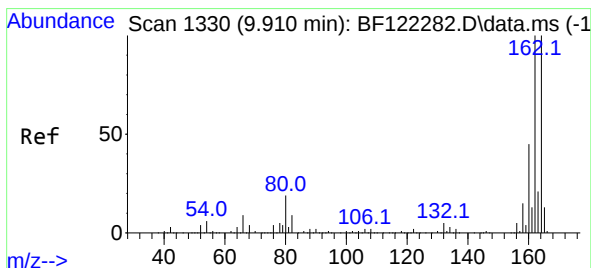
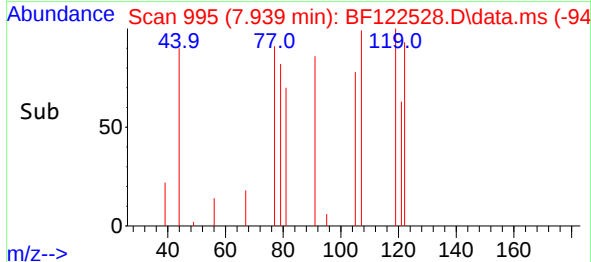
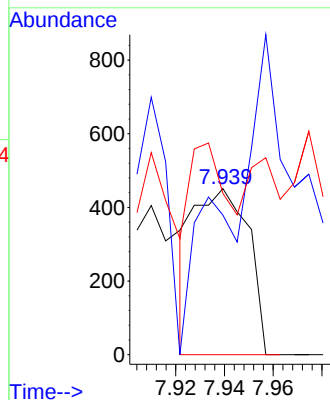
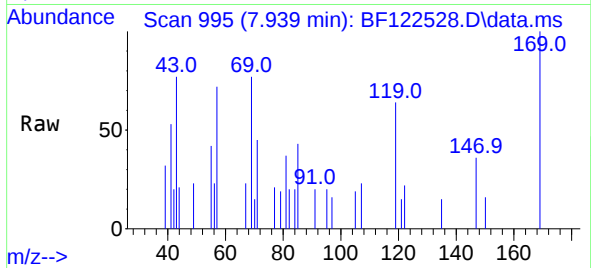




#32
Benzoic acid
Concen: 8.04 ng
RT: 7.939 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

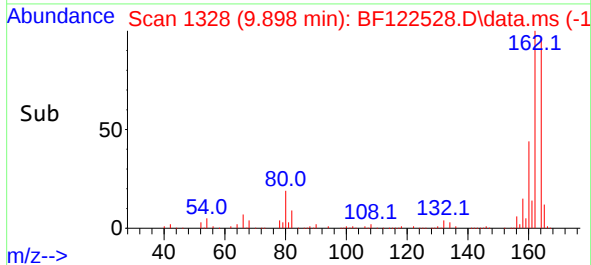
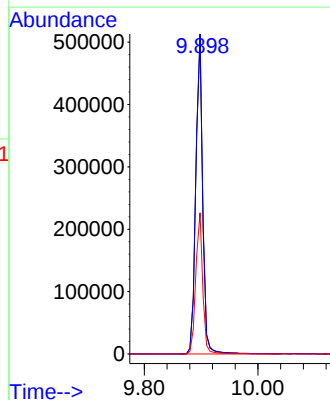
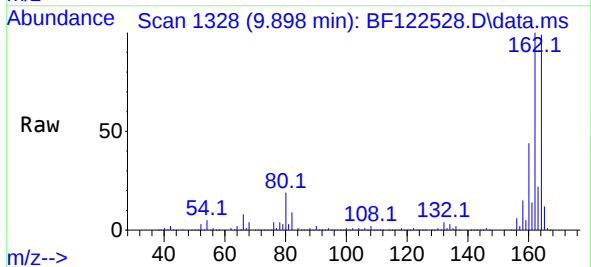
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BNA_F
ClientSampleId :
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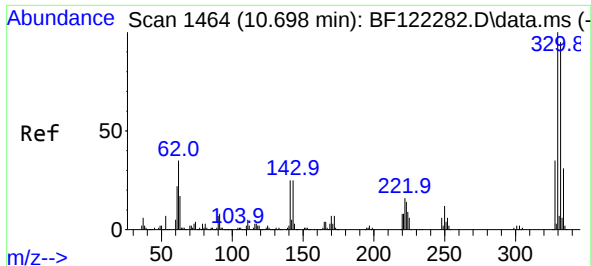
Tgt Ion:122 Resp: 703
Ion Ratio Lower Upper
122 100
105 84.0 103.3 143.3#
77 97.1 73.9 113.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

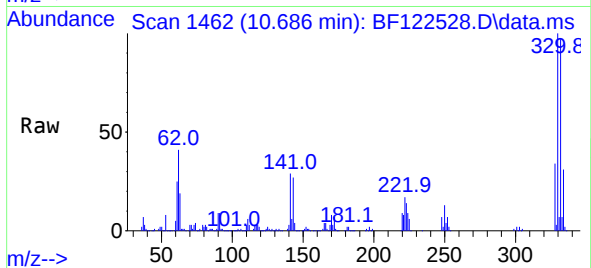
Tgt Ion:164 Resp: 429887
Ion Ratio Lower Upper
164 100
162 101.3 83.2 124.8
160 44.7 37.5 56.3



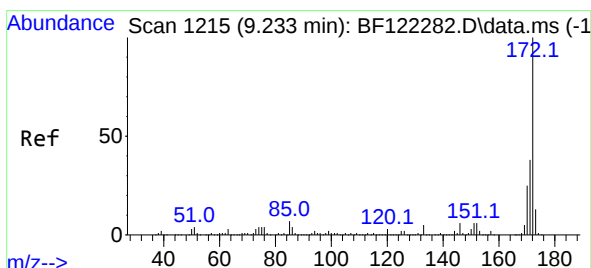
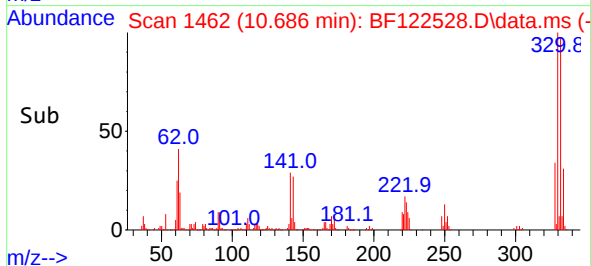
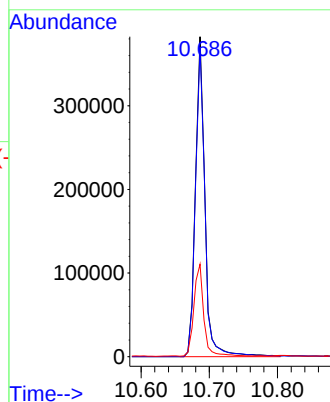


#42
2,4,6-Tribromophenol
Concen: 80.42 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

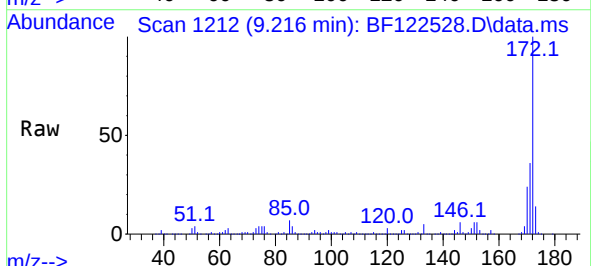
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75



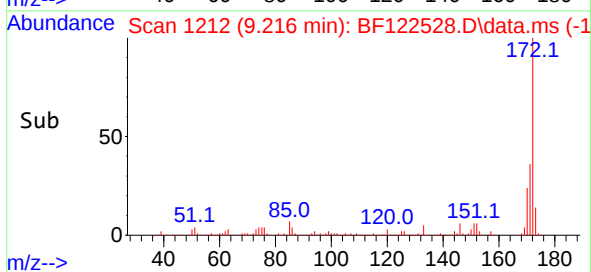
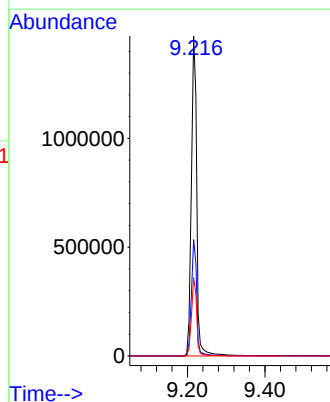
Tgt Ion:330 Resp: 371051
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 29.7 22.3 33.5

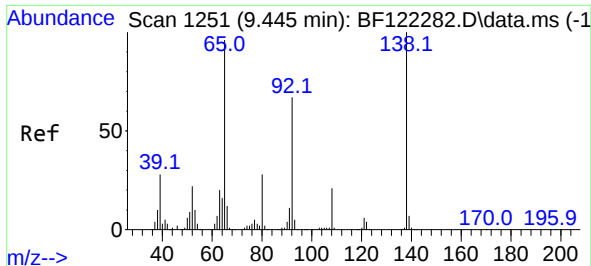


#45
2-Fluorobiphenyl
Concen: 51.63 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31



Tgt Ion:172 Resp: 1420538
Ion Ratio Lower Upper
172 100
171 36.4 29.1 43.7
170 24.4 19.8 29.6

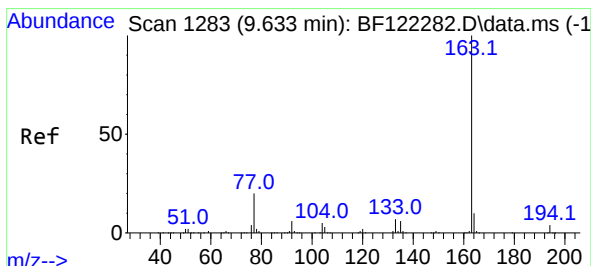
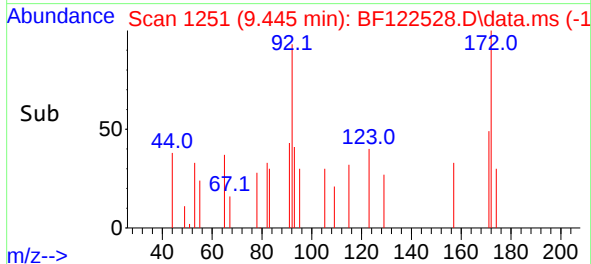
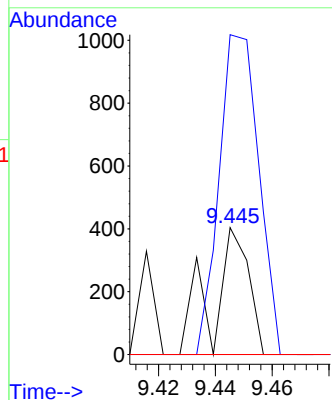
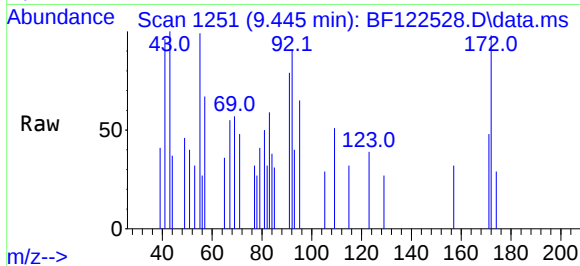




#48
2-Nitroaniline
Concen: 5.21 ng
RT: 9.445 min Scan# 1251
Delta R.T. -0.000 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

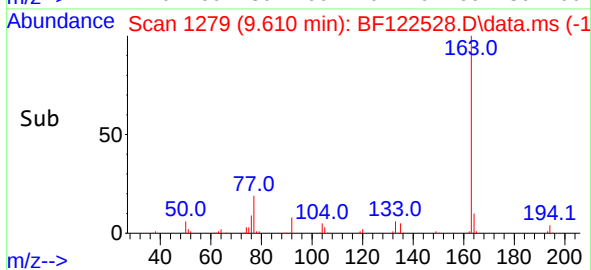
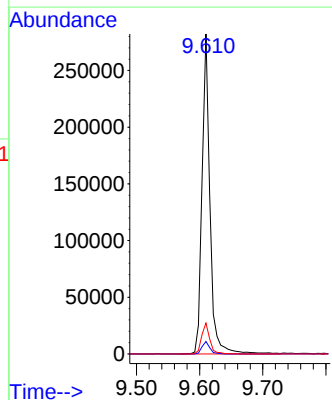
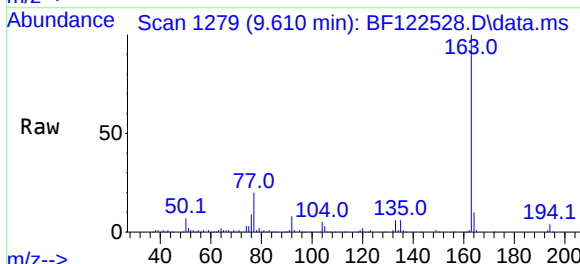
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

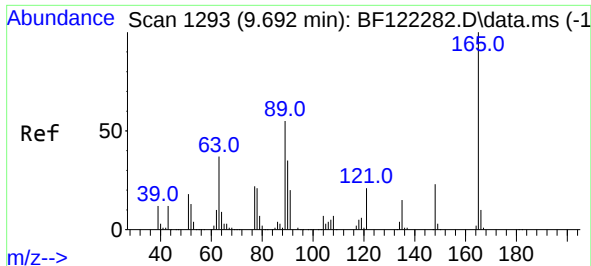
Tgt Ion: 65 Resp: 358
Ion Ratio Lower Upper
65 100
92 252.0 55.1 82.7#
138 0.0 80.5 120.7#



#50
Dimethylphthalate
Concen: 8.02 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:163 Resp: 245137
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.7 8.2 12.4

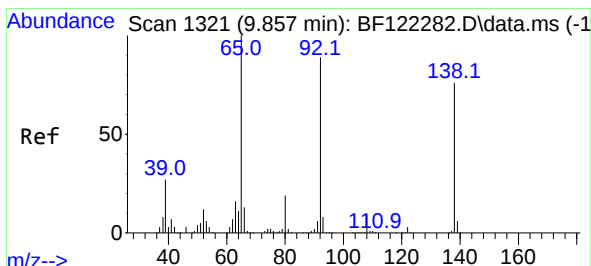
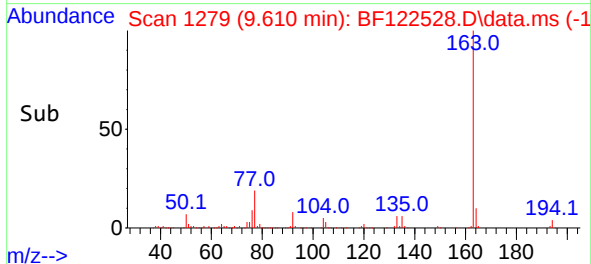
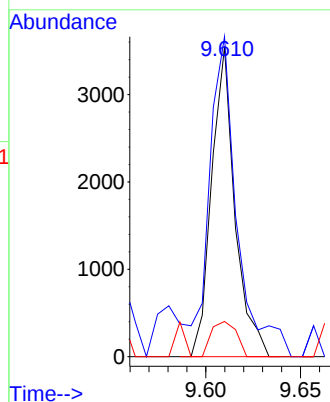
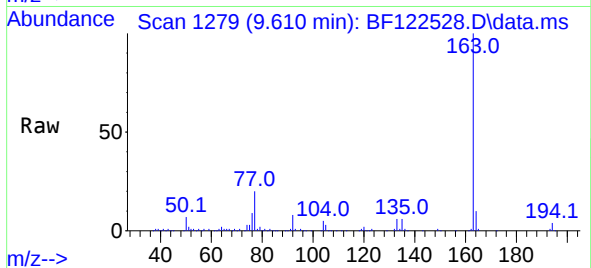




#51
2,6-Dinitrotoluene
Concen: 4.23 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.077 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

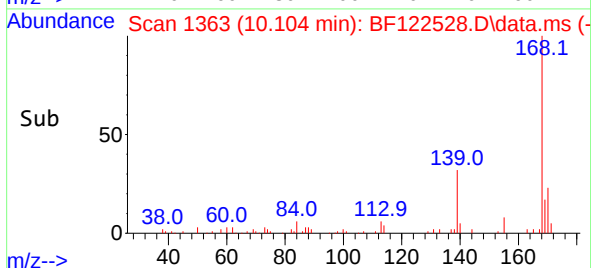
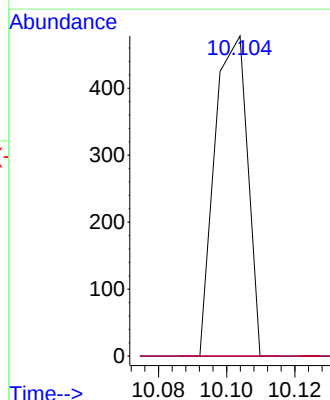
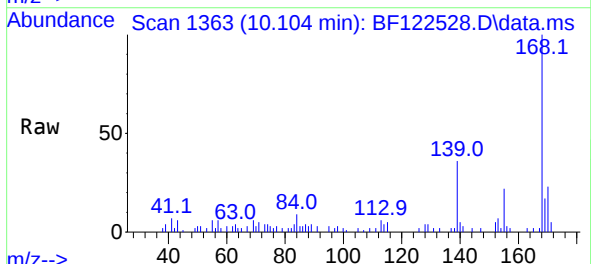
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

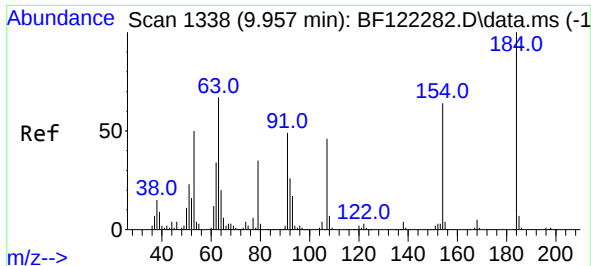
Tgt Ion:165 Resp: 3044
Ion Ratio Lower Upper
165 100
63 103.3 51.8 77.6#
89 11.3 49.0 73.6#



#53
3-Nitroaniline
Concen: 3.60 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.247 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:138 Resp: 319
Ion Ratio Lower Upper
138 100
108 0.0 8.6 13.0#
92 0.0 96.6 144.8#

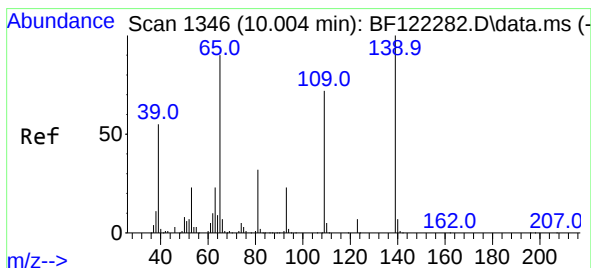
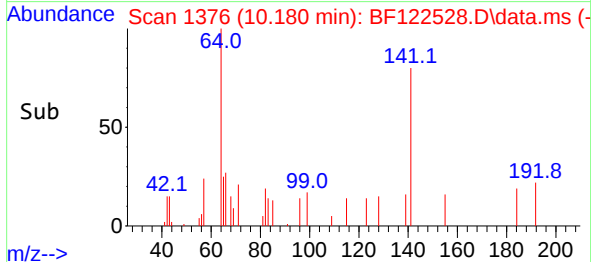
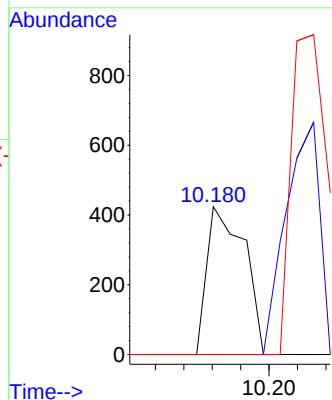
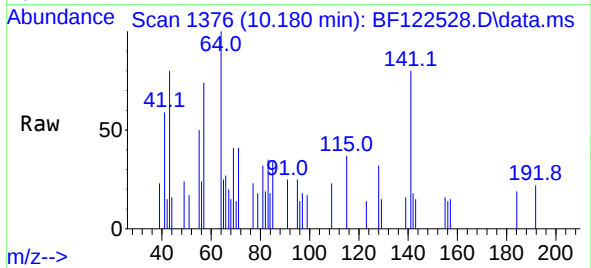




#54
2,4-Dinitrophenol
Concen: 6.58 ng
RT: 10.180 min Scan# 1376
Delta R.T. 0.223 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

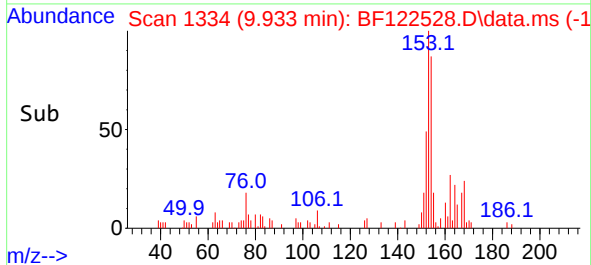
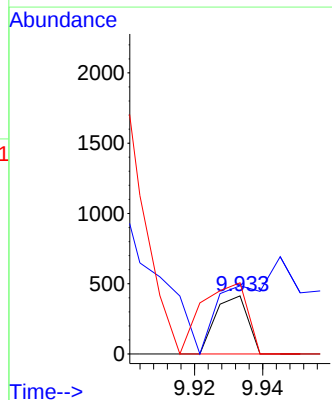
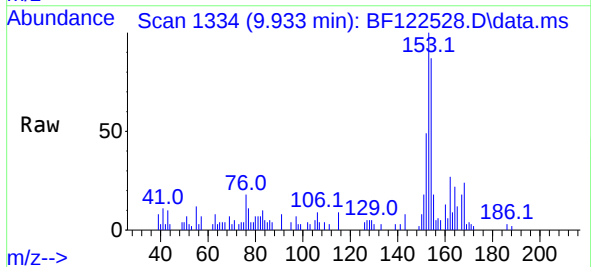
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

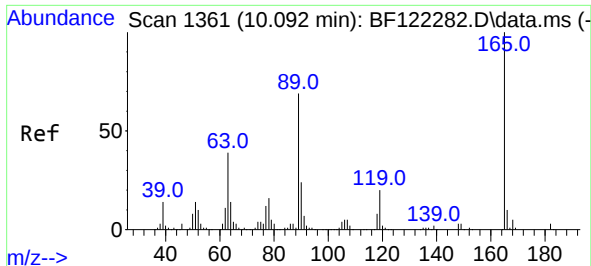
Tgt Ion:184 Resp: 387
Ion Ratio Lower Upper
184 100
63 0.0 45.9 68.9#
154 0.0 45.8 68.6#



#56
4-Nitrophenol
Concen: 5.44 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.082 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

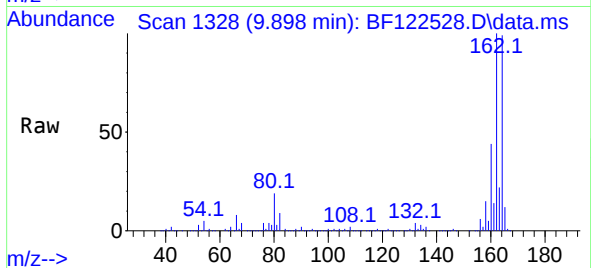
Tgt Ion:139 Resp: 271
Ion Ratio Lower Upper
139 100
109 117.1 45.4 85.4#
65 122.5 68.4 108.4#



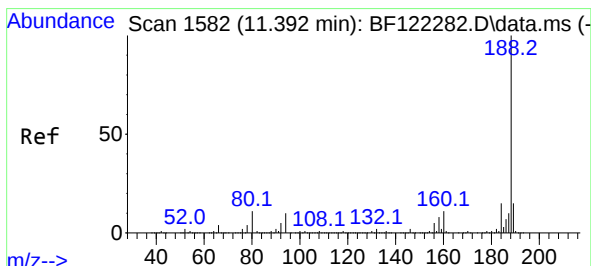
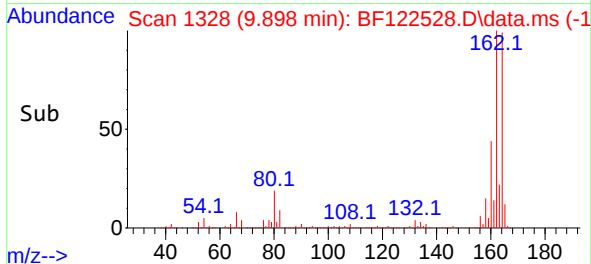
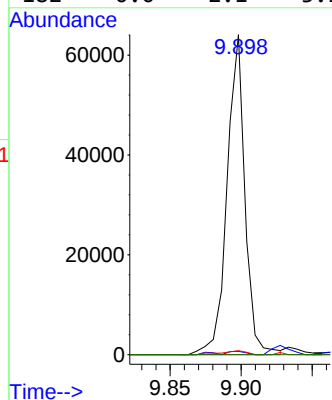


#57
2,4-Dinitrotoluene
Concen: 10.63 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

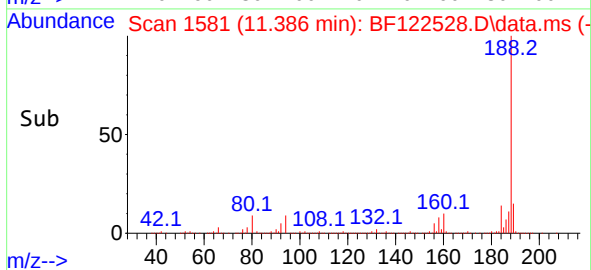
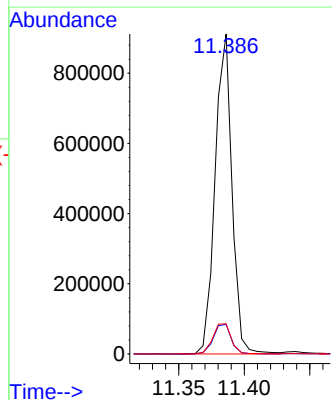
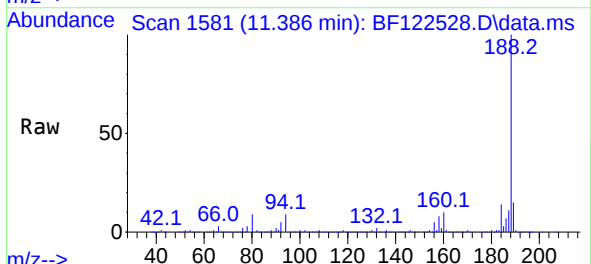


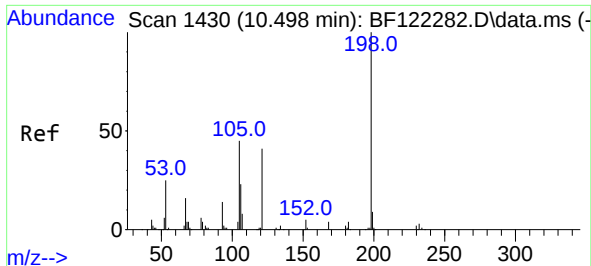
Tgt Ion:165 Resp: 56141
Ion Ratio Lower Upper
165 100
63 1.0 41.3 61.9#
89 1.3 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:188 Resp: 814185
Ion Ratio Lower Upper
188 100
94 9.2 8.3 12.5
80 9.4 9.1 13.7



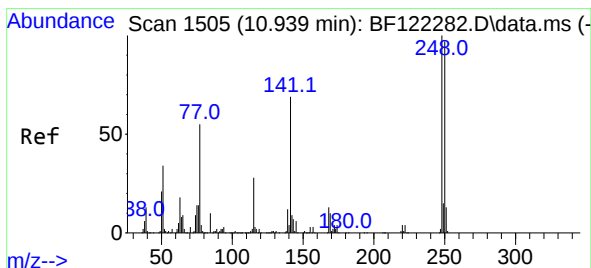
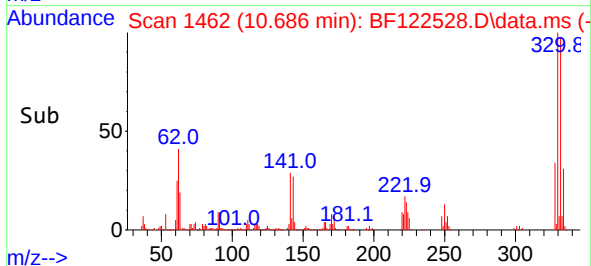
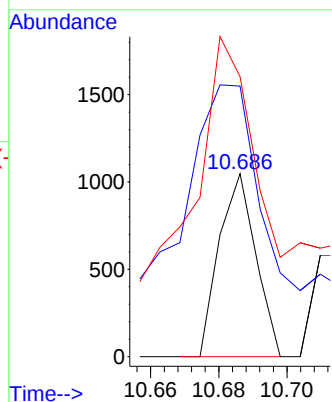
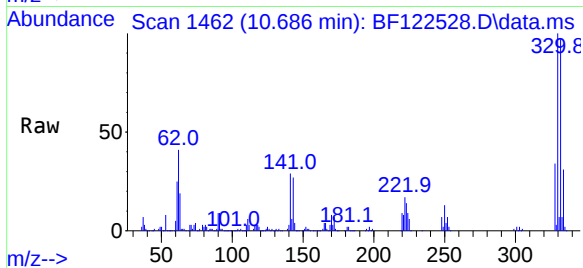


#65
4,6-Dinitro-2-methylphenol
Concen: 6.42 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

Tgt Ion:198 Resp: 779

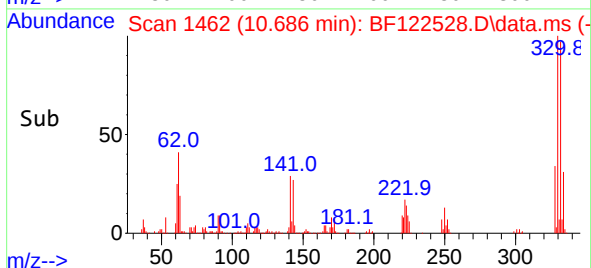
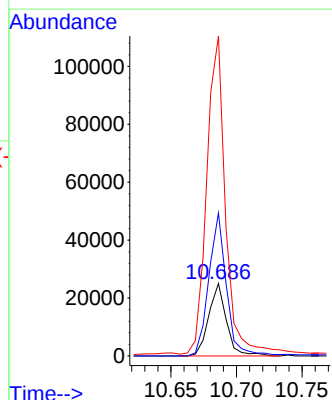
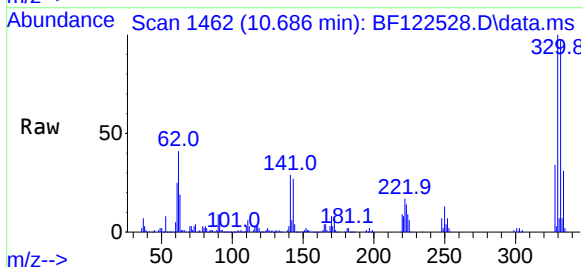
Ion	Ratio	Lower	Upper
198	100		
51	147.8	29.6	69.6#
105	153.0	24.4	64.4#

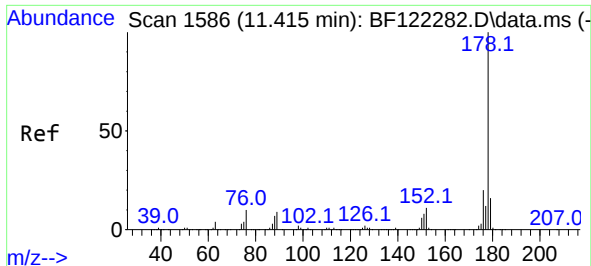


#67
4-Bromophenyl-phenylether
Concen: 2.47 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:248 Resp: 23587

Ion	Ratio	Lower	Upper
248	100		
250	197.3	77.0	115.6#
141	441.6	53.7	80.5#

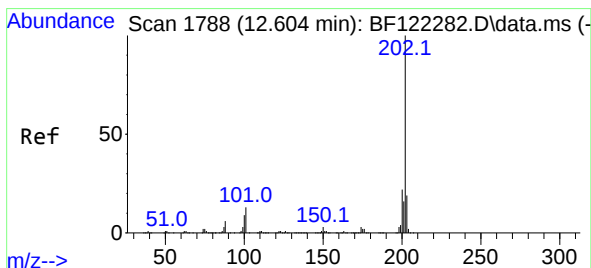
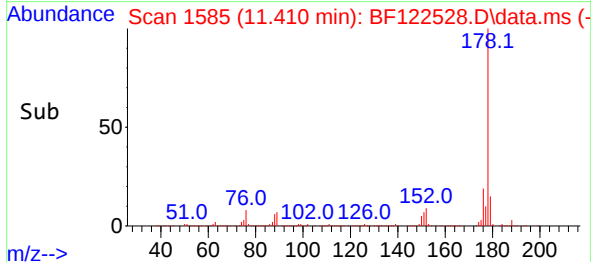
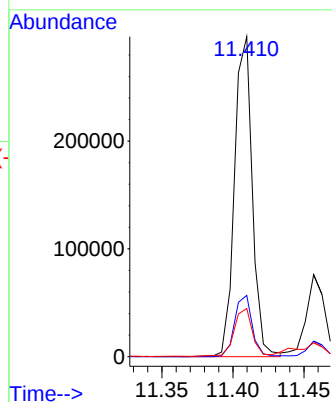
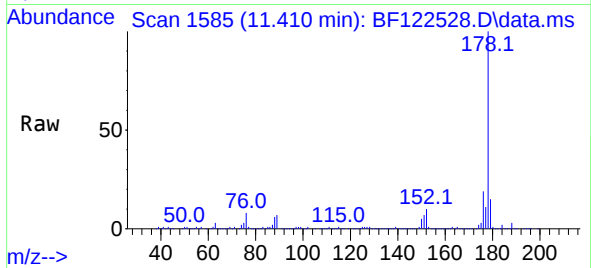




#71
Phenanthrene
Concen: 5.62 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

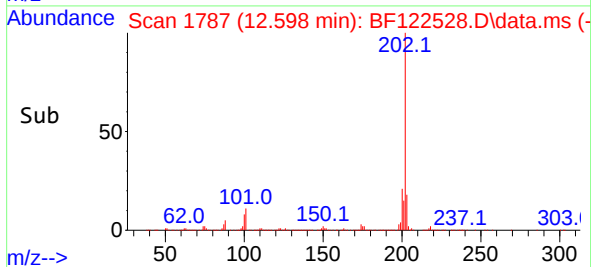
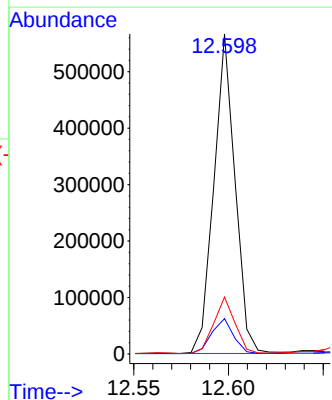
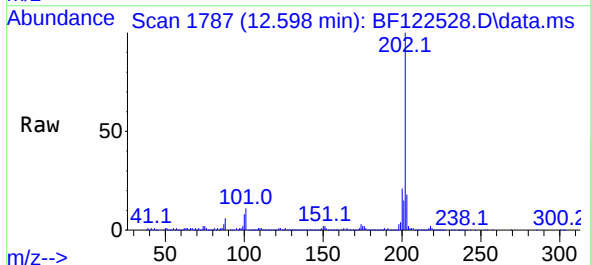
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

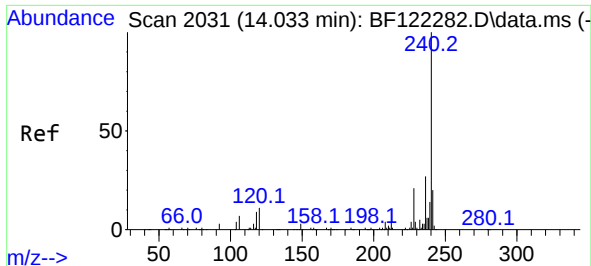
Tgt Ion:178 Resp: 259611
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.2 18.4



#75
Fluoranthene
Concen: 9.15 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:202 Resp: 441383
Ion Ratio Lower Upper
202 100
101 11.1 0.0 33.4
203 17.8 0.0 37.9

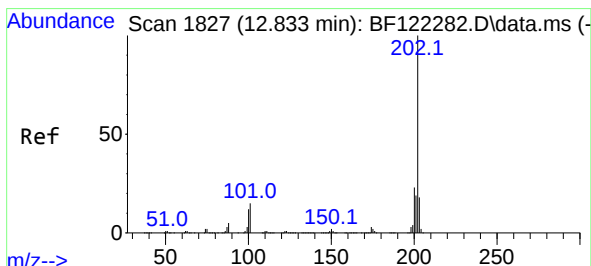
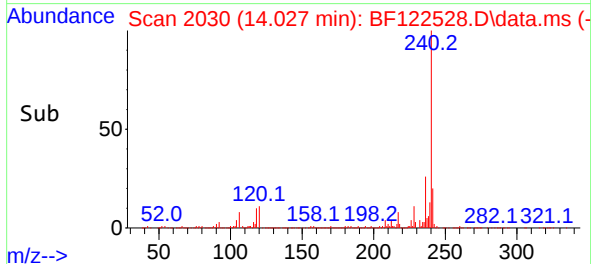
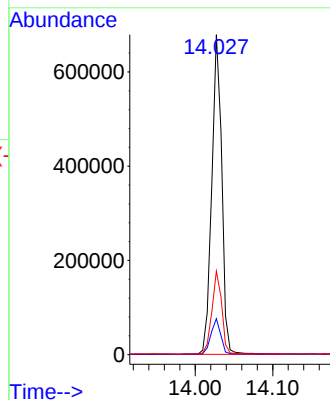
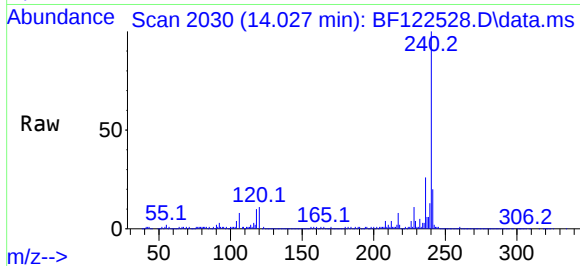




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

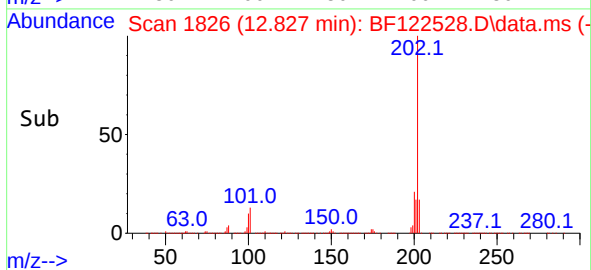
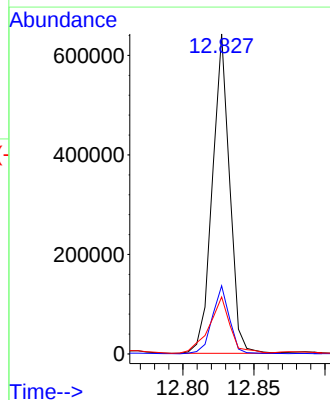
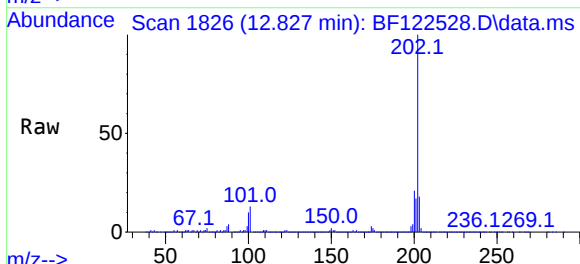
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

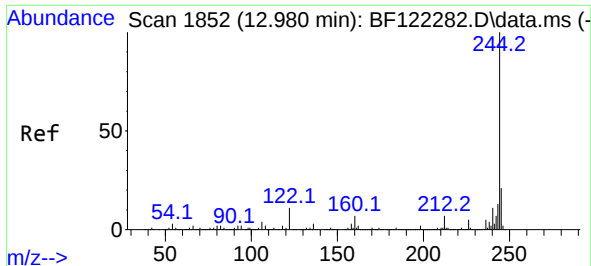
Tgt Ion:240 Resp: 609424
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 26.1 20.9 31.3



#78
Pyrene
Concen: 12.68 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:202 Resp: 542767
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.8 14.6 21.8

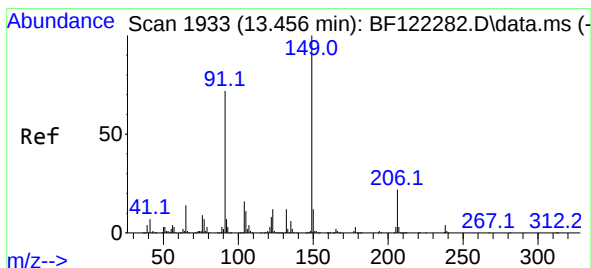
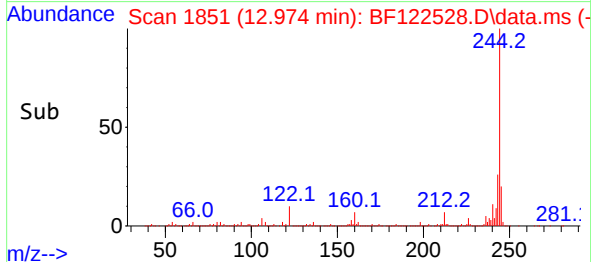
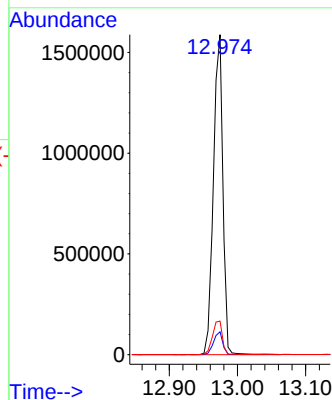
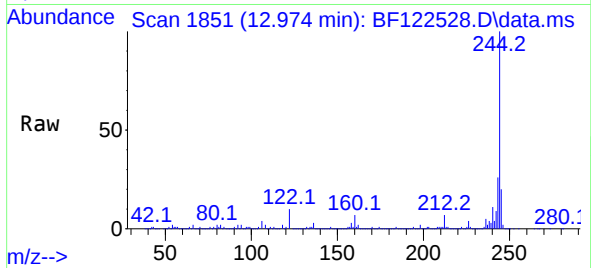




#79
Terphenyl-d14
Concen: 53.26 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

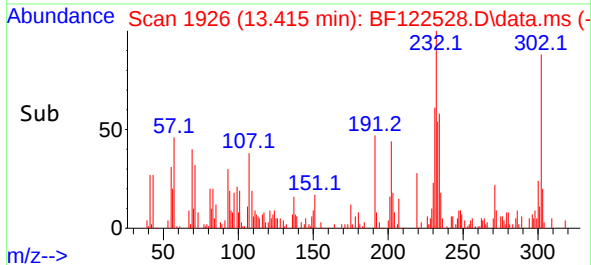
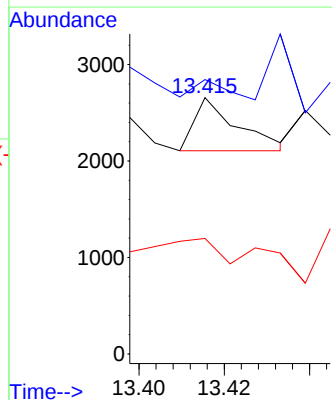
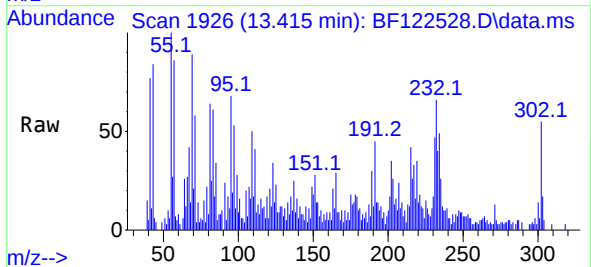
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

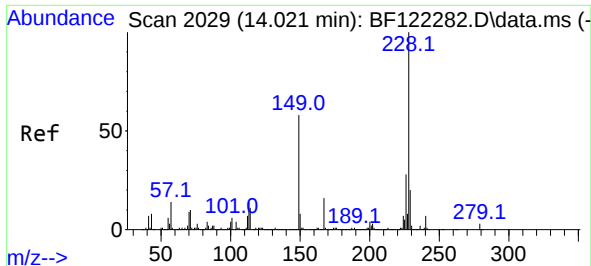
Tgt Ion:244 Resp: 1532041
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 10.5 8.1 12.1



#80
Butylbenzylphthalate
Concen: 3.31 ng
RT: 13.415 min Scan# 1926
Delta R.T. -0.035 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:149 Resp: 386
Ion Ratio Lower Upper
149 100
91 107.1 61.0 91.4#
206 45.1 16.7 25.1#

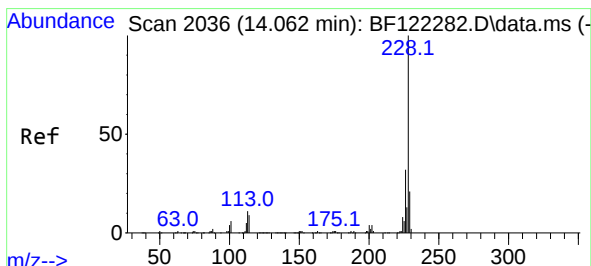
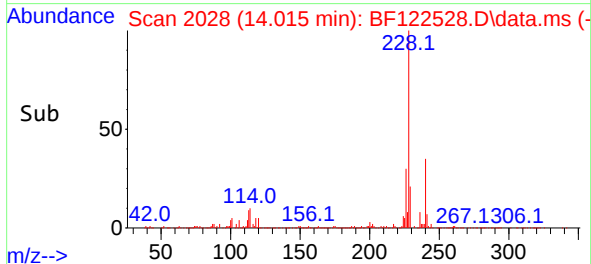
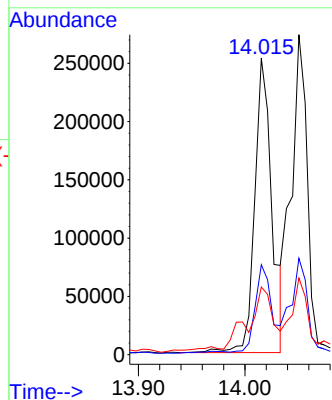
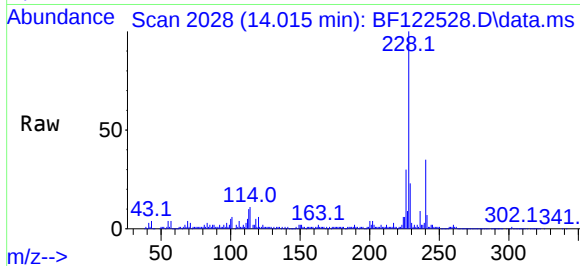




#81
Benzo(a)anthracene
Concen: 7.47 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

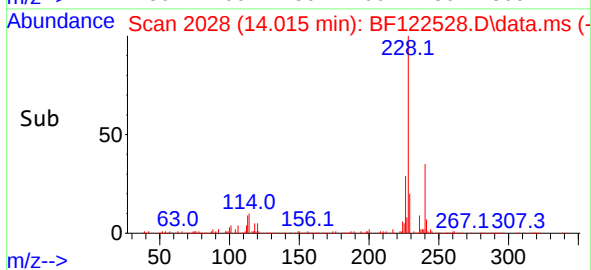
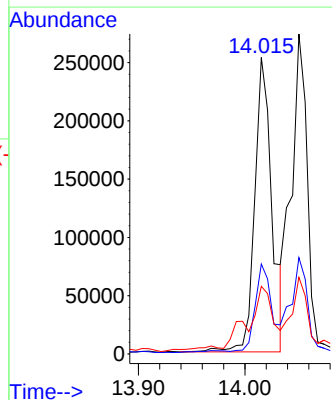
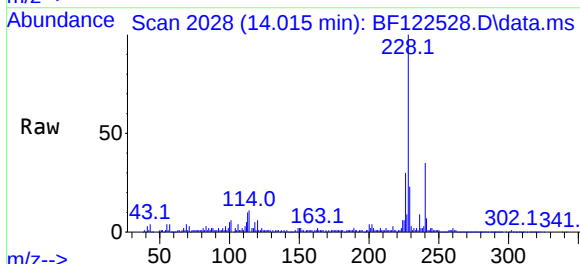
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

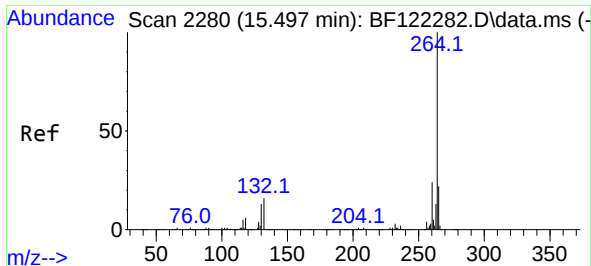
Tgt Ion:228 Resp: 283228
Ion Ratio Lower Upper
228 100
226 30.4 22.3 33.5
229 22.8 16.2 24.4



#83
Chrysene
Concen: 7.42 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.047 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:228 Resp: 283228
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 22.8 15.9 23.9

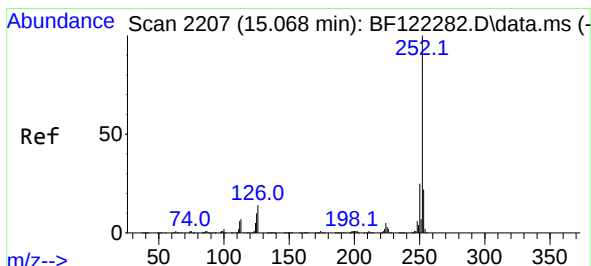
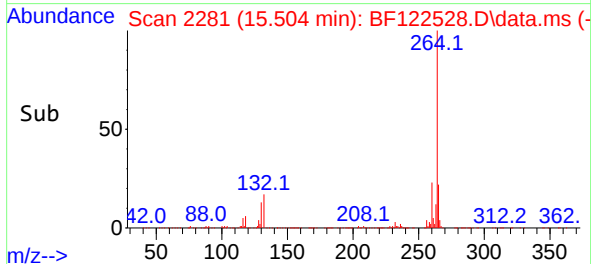
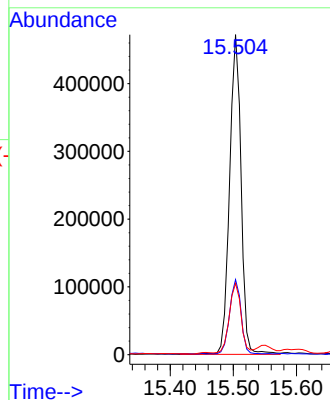
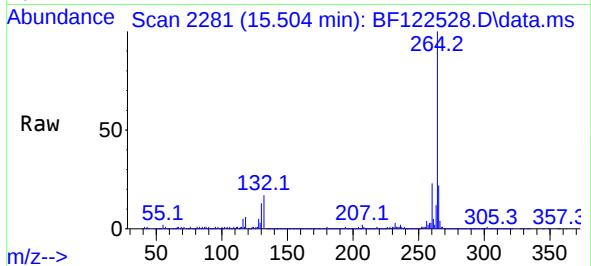




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

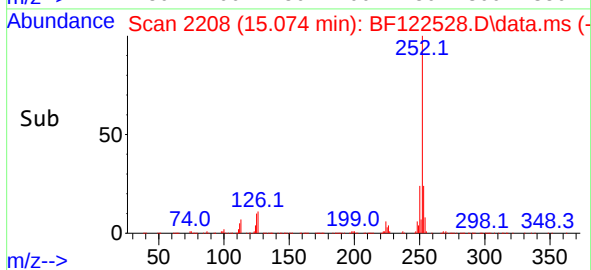
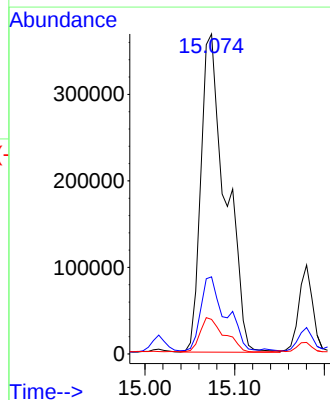
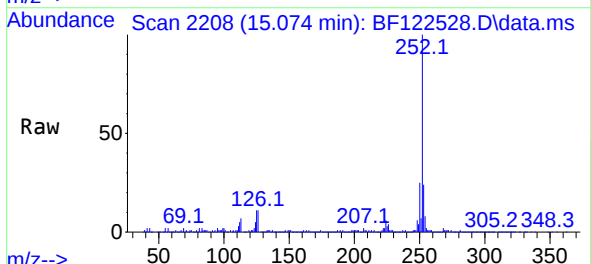
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

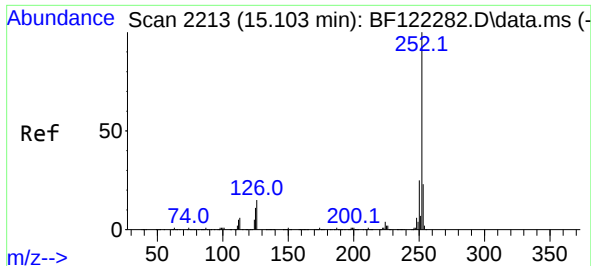
Tgt Ion:264 Resp: 593850
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 22.3 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 18.34 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:252 Resp: 705364
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 10.8 8.0 12.0

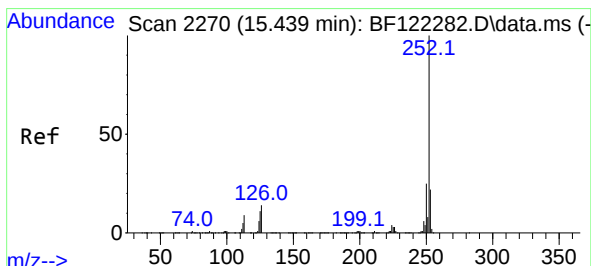
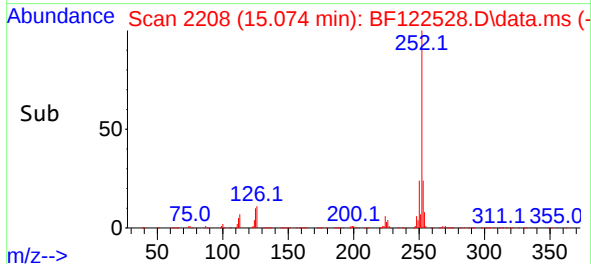
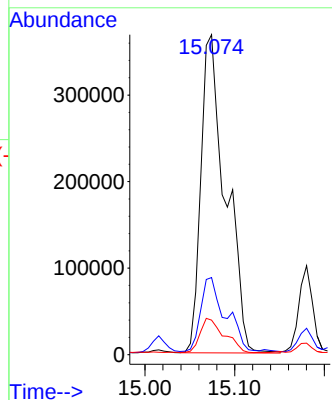
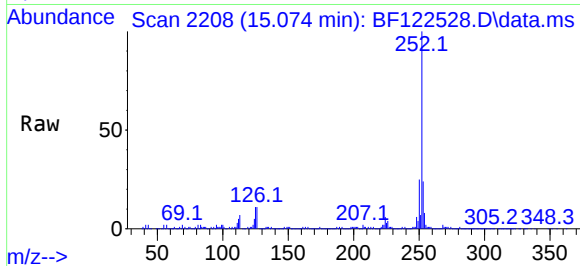




#89
Benzo(k)fluoranthene
Concen: 18.81 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.035 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

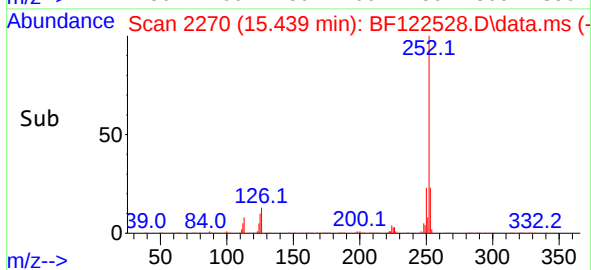
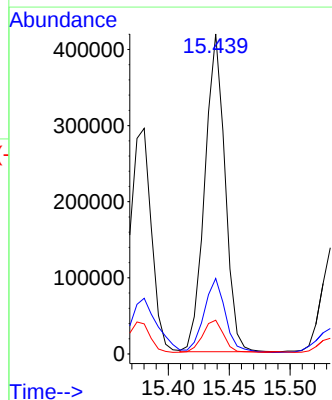
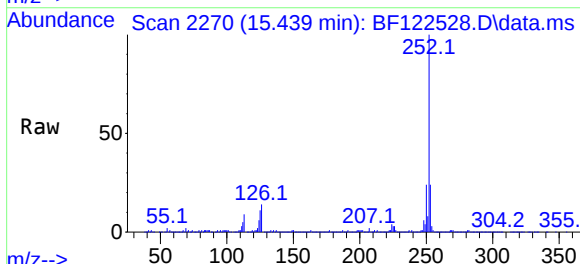
Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

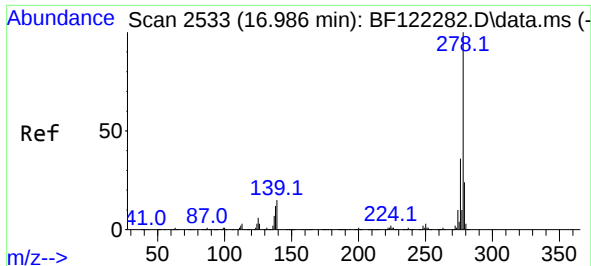
Tgt Ion:252 Resp: 705364
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 10.8 7.7 11.5



#90
Benzo(a)pyrene
Concen: 14.37 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:252 Resp: 481967
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 10.5 8.6 13.0



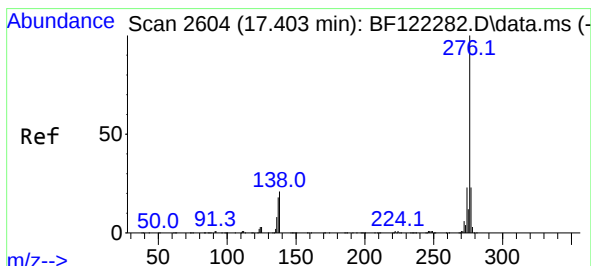
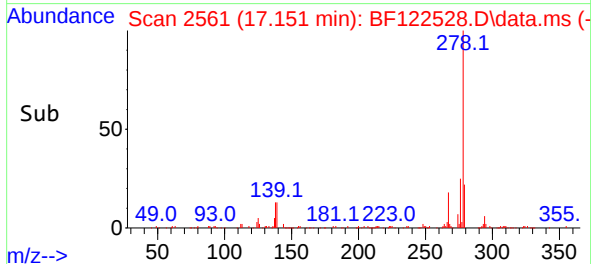
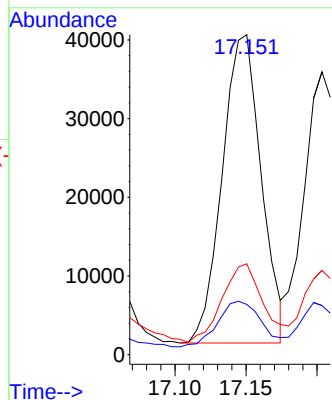
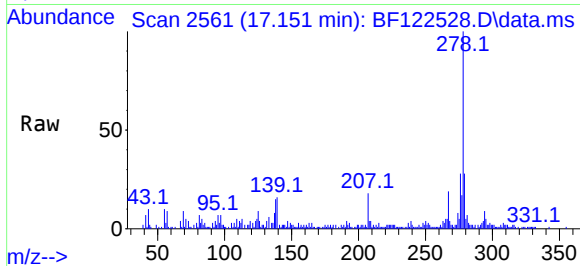


#91
Dibenzo(a,h)anthracene
Concen: 2.50 ng
RT: 17.151 min Scan# 2561
Delta R.T. 0.159 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Instrument :
BNA_F
ClientSampleId :
PAV-B47-113020-10-12.75

Tgt Ion:278 Resp: 74615

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.0	19.4
279	28.4	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 14.55 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF122528.D
Acq: 1 Dec 2020 18:31

Tgt Ion:276 Resp: 422338

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	20.2	17.8	26.6

