

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
 Data File : BF112222.D
 Acq On : 24 Jan 2019 21:24
 Operator : JU/SJ
 Sample : K1223-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-V

Quant Time: Jan 25 00:05:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	198837	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	744119	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	316098	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	529337	20.00	ng	0.00
76) Chrysene-d12	14.03	240	359269	20.00	ng	0.00
87) Perylene-d12	15.52	264	269040	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	482299	44.03	ng	0.00
7) Phenol-d6	6.50	99	675128	49.26	ng	0.00
23) Nitrobenzene-d5	7.42	82	390768	36.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	158831	46.58	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	733564	34.02	ng	0.00
79) Terphenyl-d14	12.97	244	506491	29.99	ng	0.00

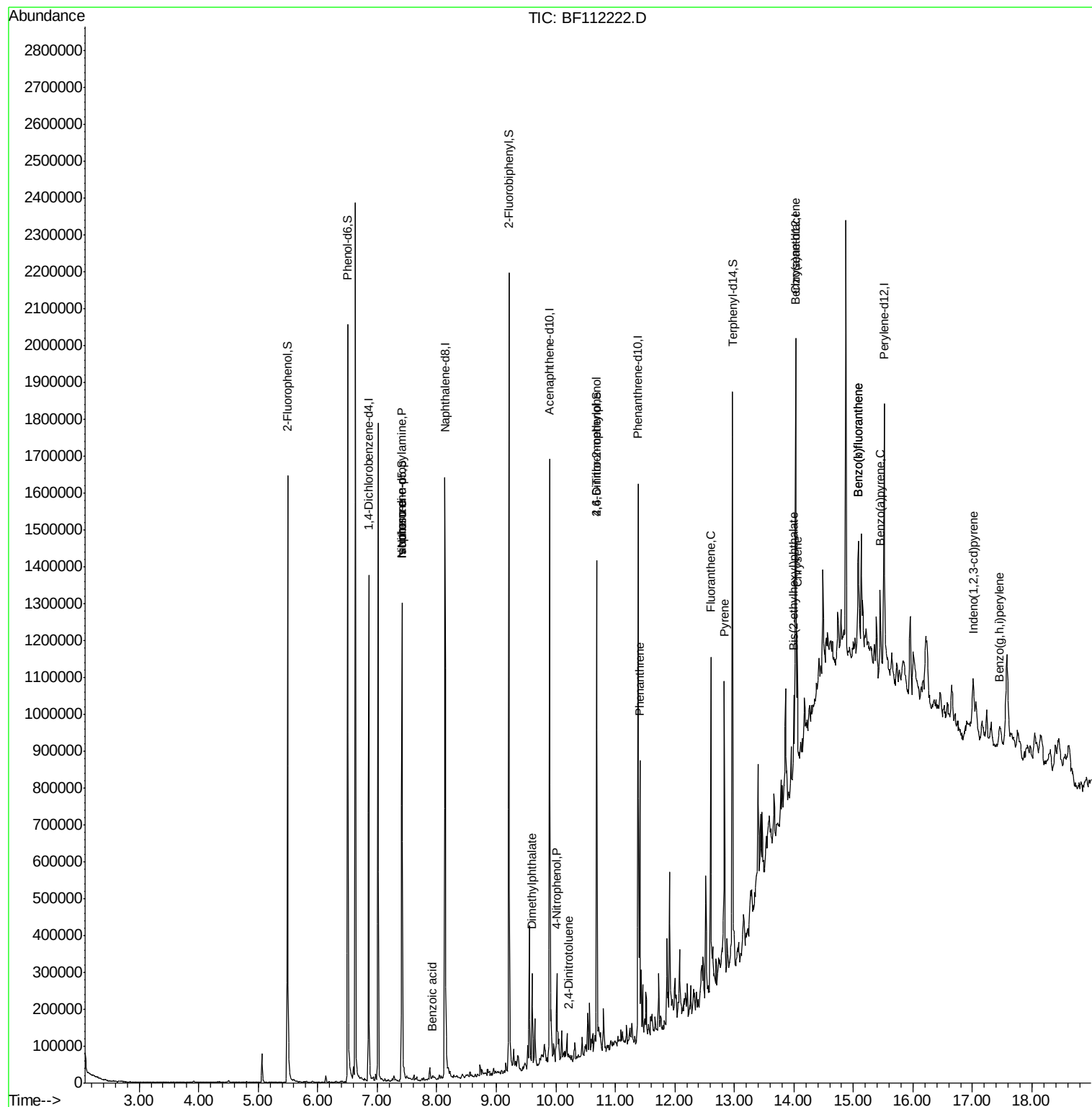
Target Compounds				Qvalue		
9) Benzaldehyde	6.41	77	509	Below Cal	#	66
19) n-Nitroso-di-n-propylamine	7.42	70	52006	6.228 ng	#	75
25) Isophorone	7.42	82	390763	18.784 ng	#	64
32) Benzoic acid	7.92	122	1159	7.456 ng	#	29
50) Dimethylphthalate	9.60	163	67331	2.921 ng	#	99
56) 4-Nitrophenol	10.02	139	426	5.763 ng	#	1
57) 2,4-Dinitrotoluene	10.22	165	1354	4.789 ng	#	40
65) 4,6-Dinitro-2-methylphenol	10.69	198	213	10.146 ng	#	1
71) Phenanthrene	11.41	178	246974	9.271 ng		95
75) Fluoranthene	12.60	202	361173	12.841 ng		97
78) Pyrene	12.83	202	293566	12.385 ng		98
81) Benzo(a)anthracene	14.02	228	136595	6.631 ng		97
83) Chrysene	14.06	228	140305	7.198 ng		97
84) Bis(2-ethylhexyl)phthalate	14.00	149	58205	3.906 ng		98
86) Indeno(1,2,3-cd)pyrene	17.01	276	60193	3.347 ng		95
88) Benzo(b)fluoranthene	15.08	252	202926	13.288 ng	#	90
89) Benzo(k)fluoranthene	15.08	252	202926	13.729 ng	#	90
90) Benzo(a)pyrene	15.45	252	93840	6.700 ng	#	86
92) Benzo(g,h,i)perylene	17.46	276	54765	4.469 ng	#	91

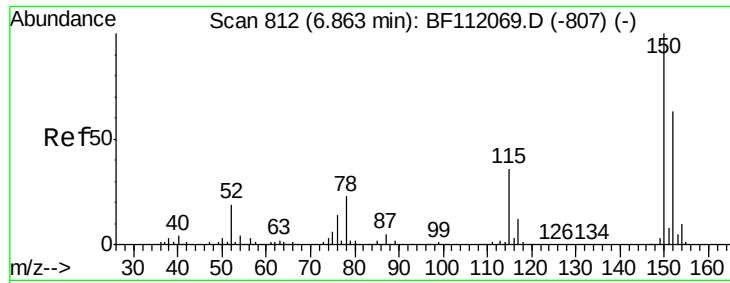
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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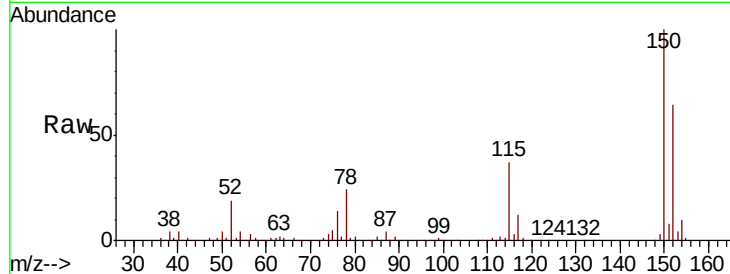


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Instrument :
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ClientSampleId :
TS-V

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.4	191.0
115	58.3	45.5	68.3

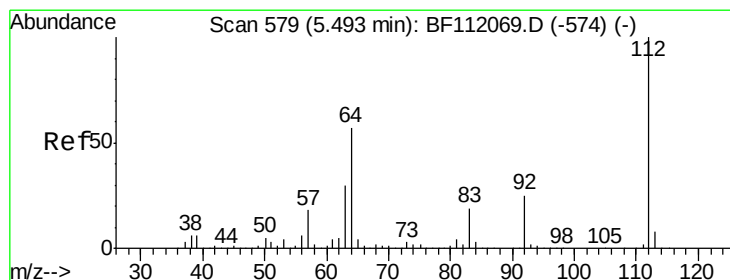
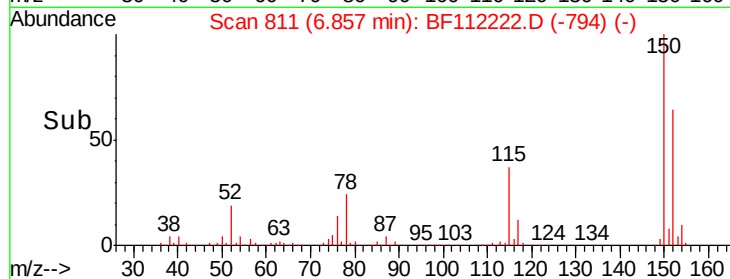
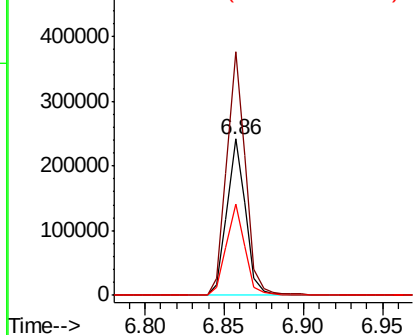


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

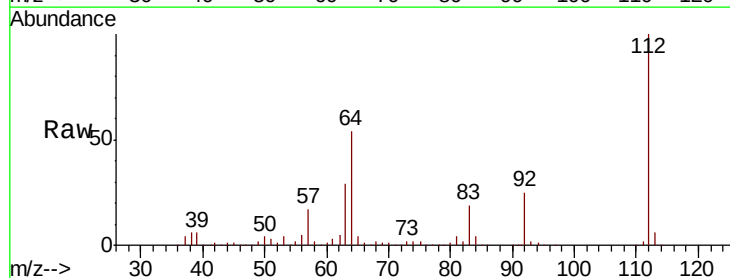
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.026 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	45.7	68.5
63	28.9	23.6	35.4

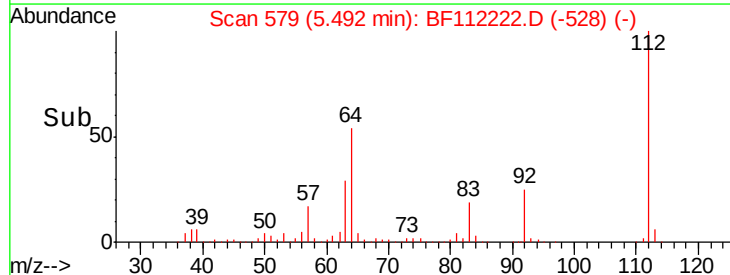
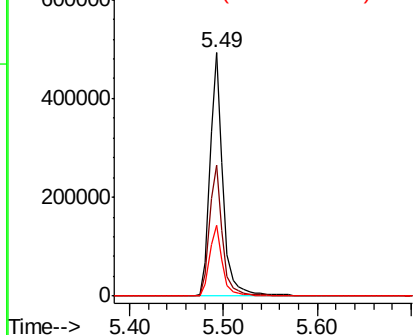


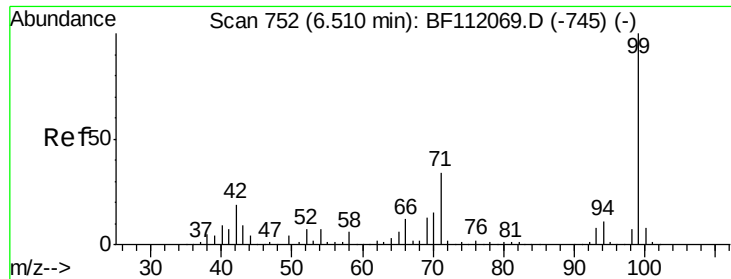
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.257 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

Instrument :

BNA_F

ClientSampled :

TS-V

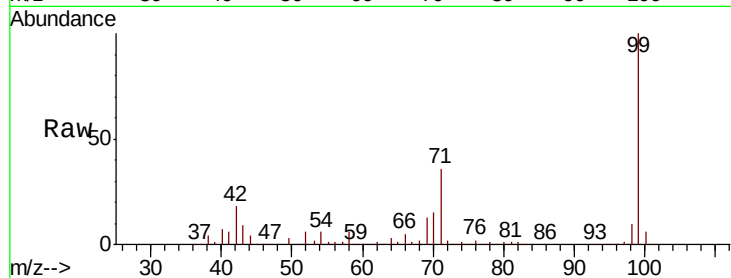
Tgt Ion: 99 Resp: 675128

Ion Ratio Lower Upper

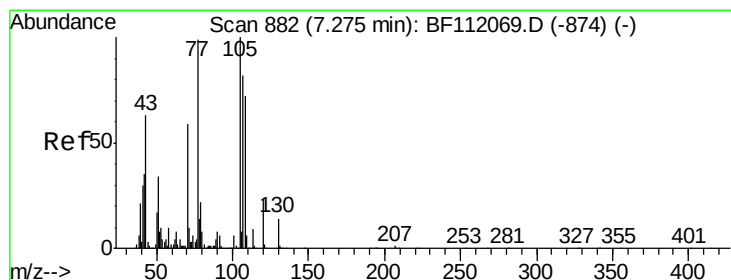
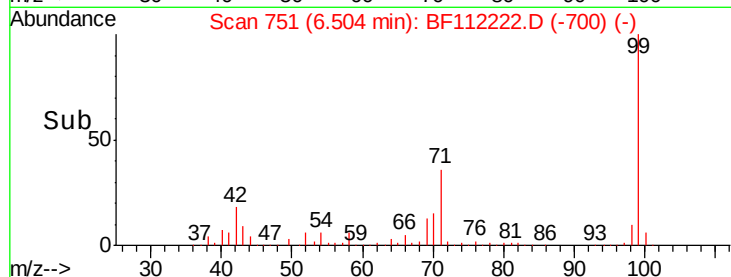
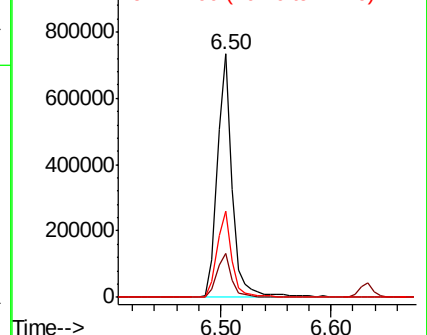
99 100

42 17.9 15.1 22.7

71 35.5 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.228 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

Tgt Ion: 70 Resp: 52006

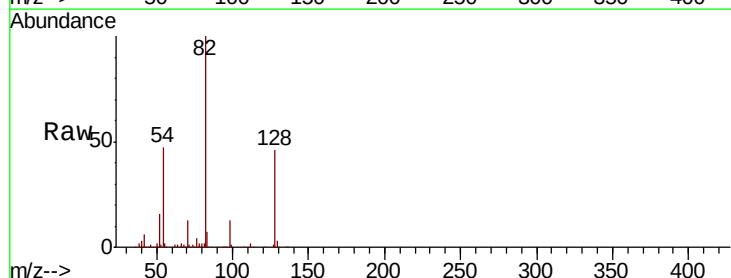
Ion Ratio Lower Upper

70 100

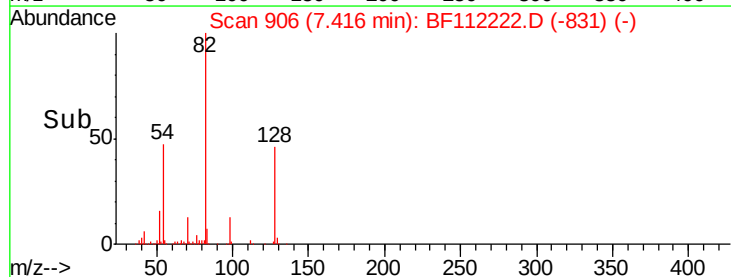
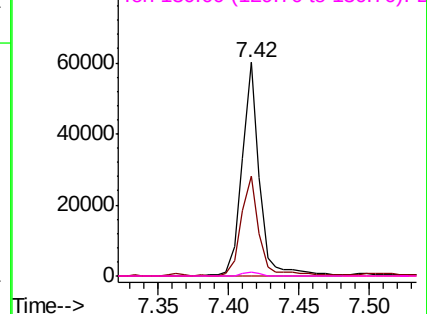
42 46.7 47.6 71.4#

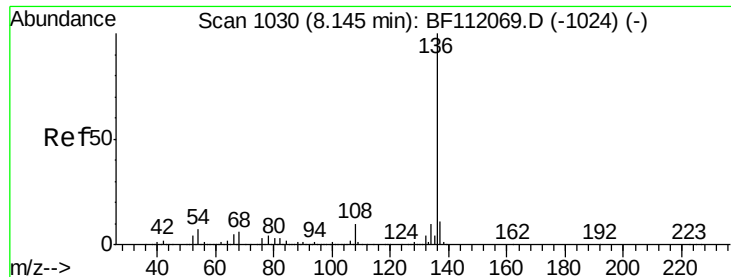
101 0.0 7.9 11.9#

130 2.1 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

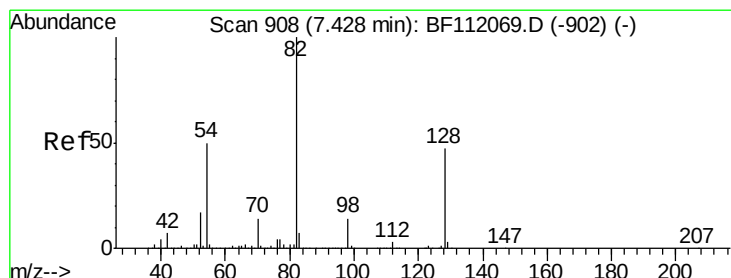
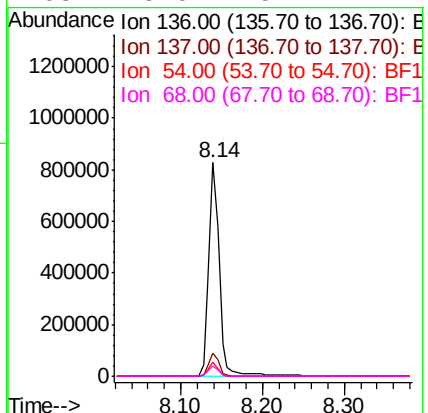
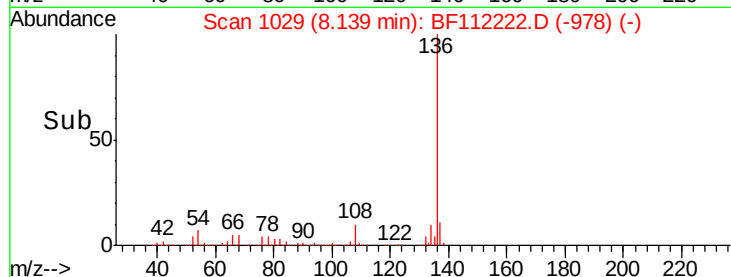
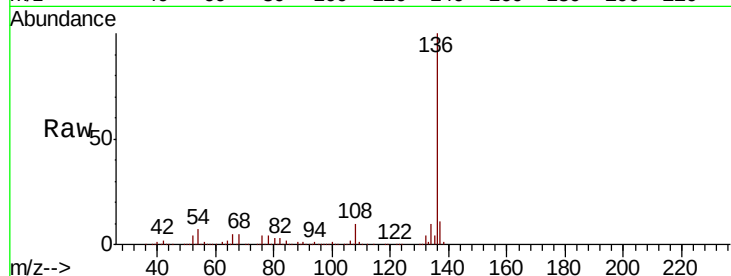




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

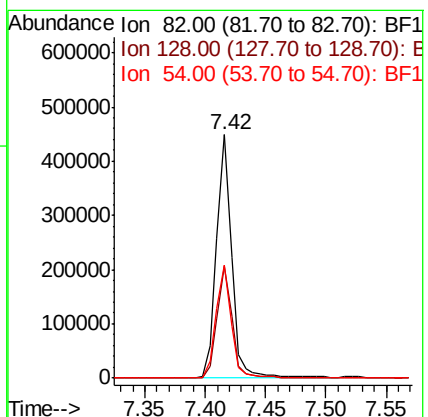
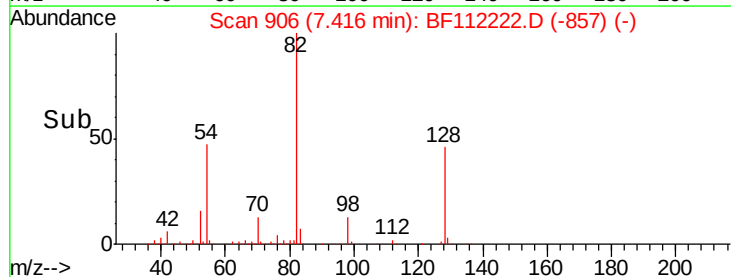
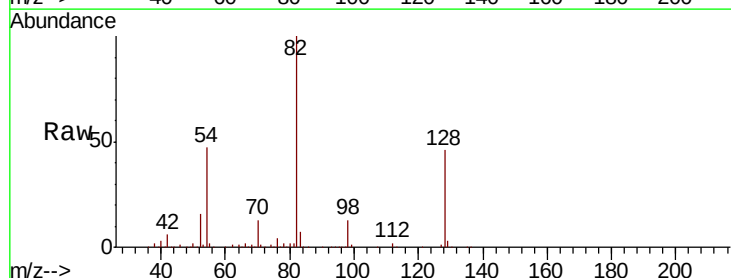
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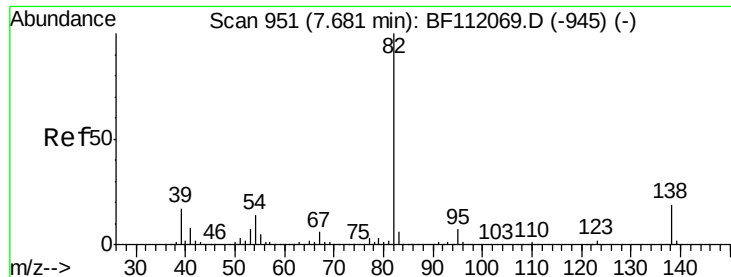
Tgt Ion:	136	Resp:	744119
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.7	5.9	8.9
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 36.282 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Tgt Ion:	82	Resp:	390768
Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.8	56.8
54	46.7	39.7	59.5

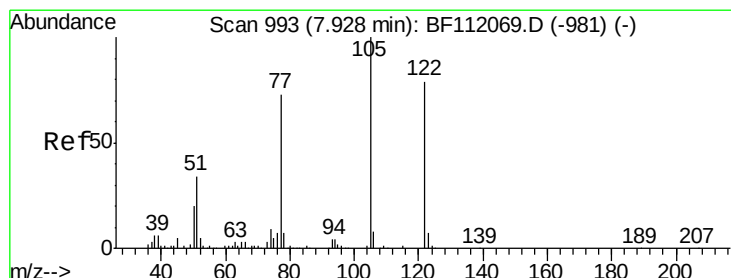
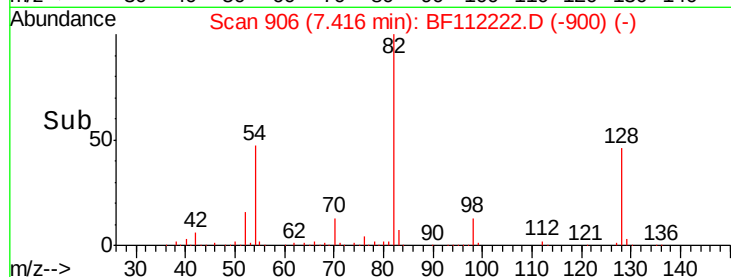
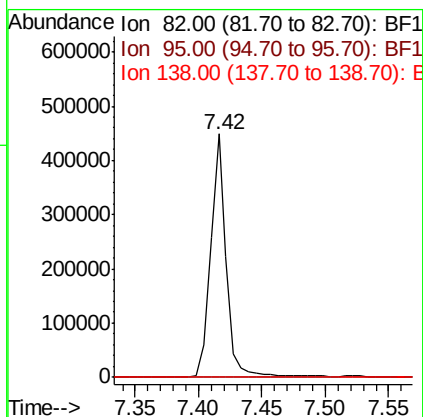
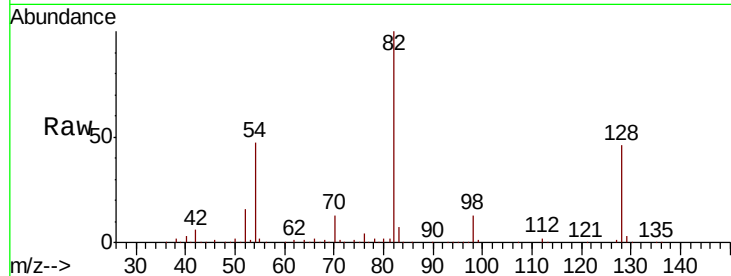




#25
Isophorone
Concen: 18.784 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

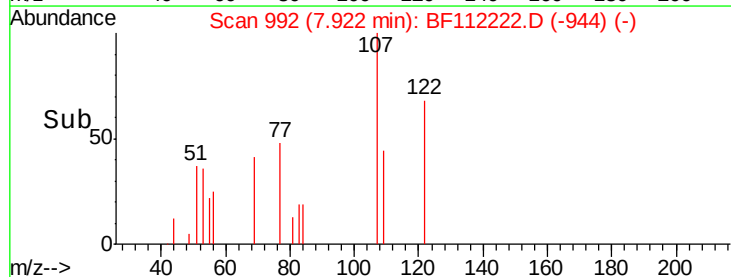
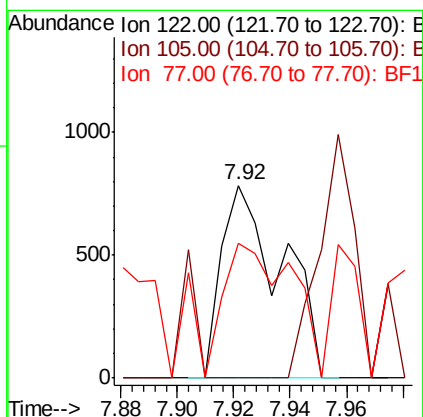
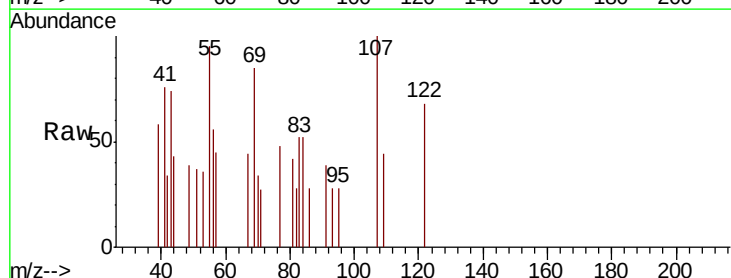
Instrument :
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ClientSampleId :
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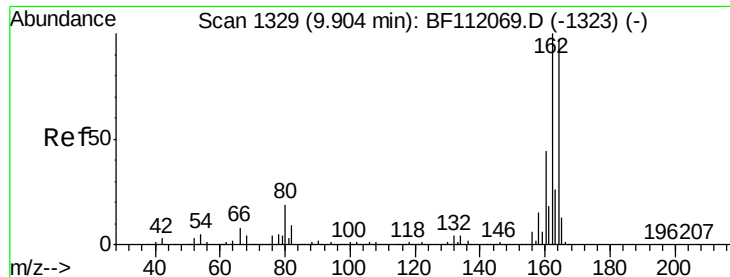
Tgt Ion: 82 Resp: 390763
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#



#32
Benzoic acid
Concen: 7.456 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.02 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Tgt Ion: 122 Resp: 1159
Ion Ratio Lower Upper
122 100
105 0.0 101.2 141.2#
77 69.6 70.4 110.4#

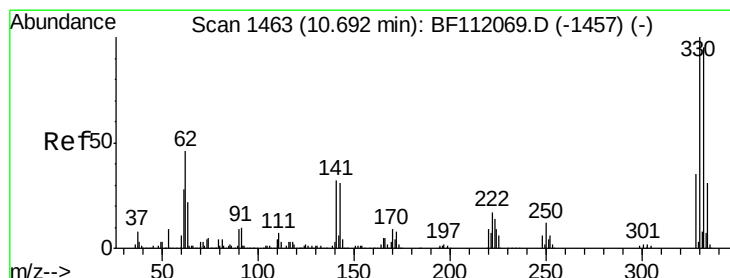
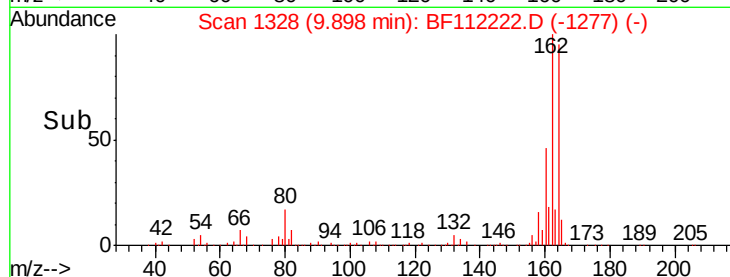
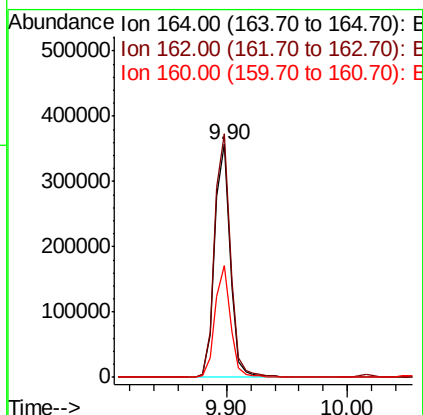
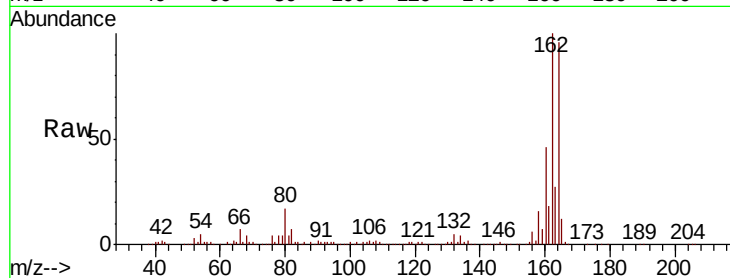




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF112222.D
 Acq: 24 Jan 2019 21:24

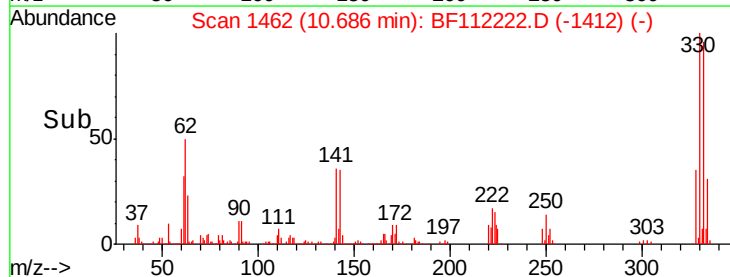
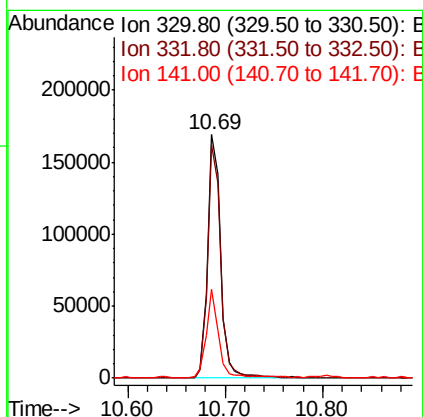
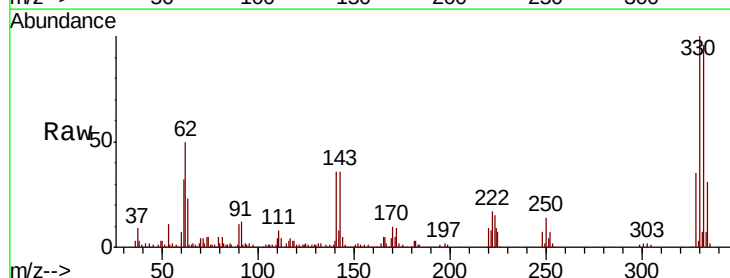
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 BNA_F
 ClientSampleID :
 TS-V

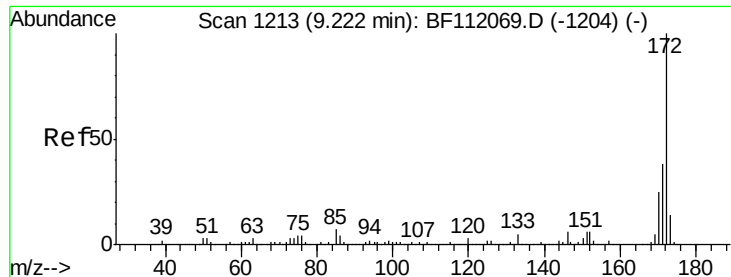
Tgt Ion:164 Resp: 316098
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.2 123.4
 160 48.2 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 46.578 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112222.D
 Acq: 24 Jan 2019 21:24

Tgt Ion:330 Resp: 158831
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 114.8
 141 32.8 24.3 36.5

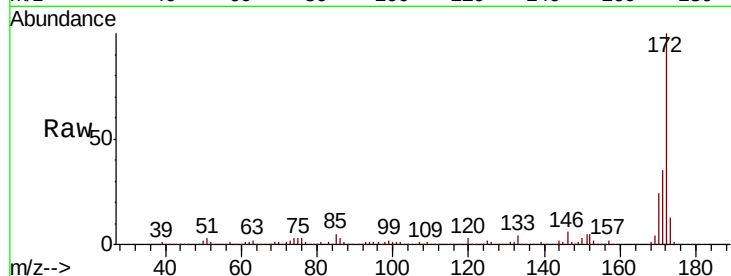




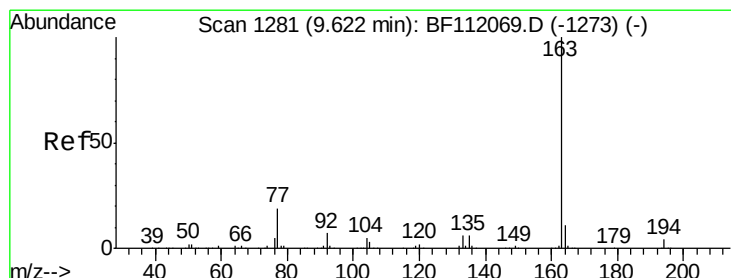
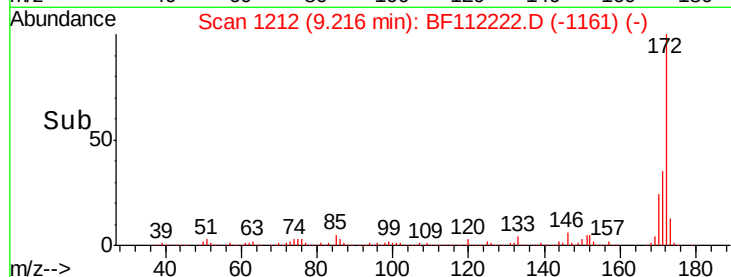
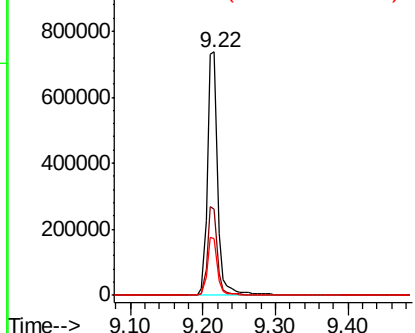
#45
 2-Fluorobiphenyl
 Concen: 34.024 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF112222.D
 Acq: 24 Jan 2019 21:24

Instrument :
 BNA_F
 ClientSampleId :
 TS-V

Tgt Ion:172 Resp: 733564
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.5 45.7
 170 23.5 20.2 30.4

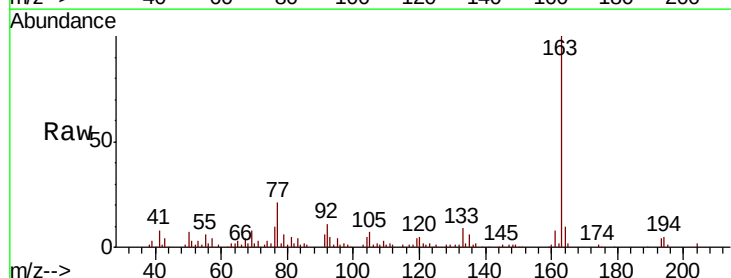


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

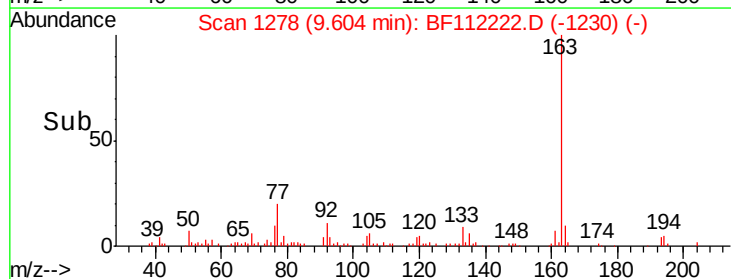
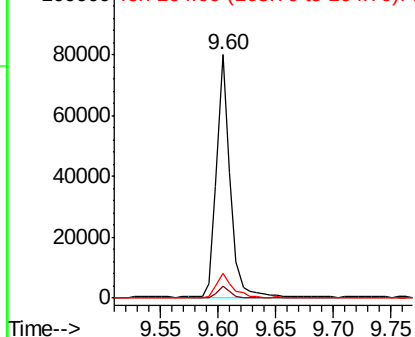


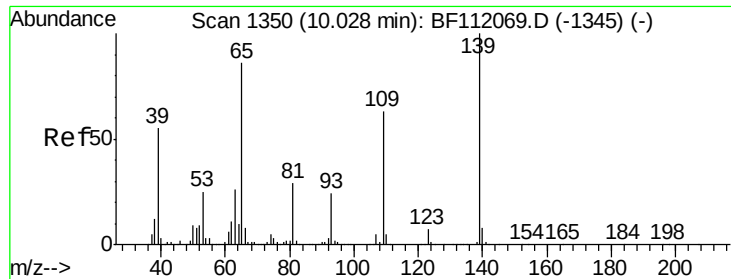
#50
 Dimethylphthalate
 Concen: 2.921 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF112222.D
 Acq: 24 Jan 2019 21:24

Tgt Ion:163 Resp: 67331
 Ion Ratio Lower Upper
 163 100
 194 4.9 3.3 4.9#
 164 10.3 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

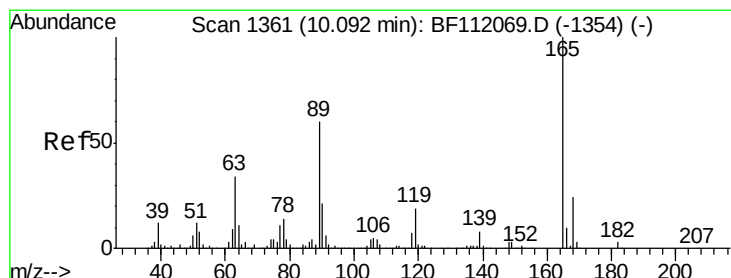
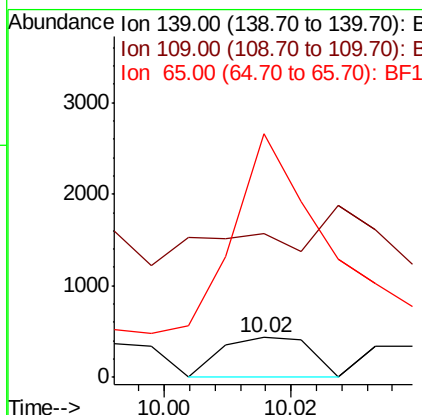
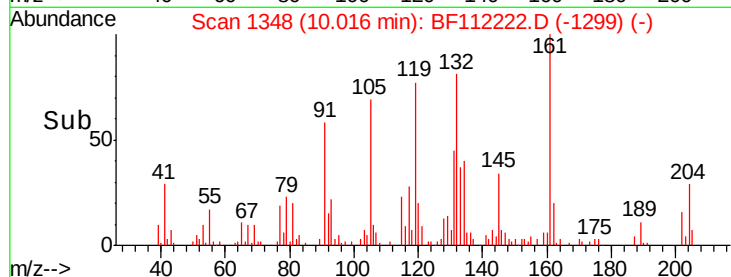
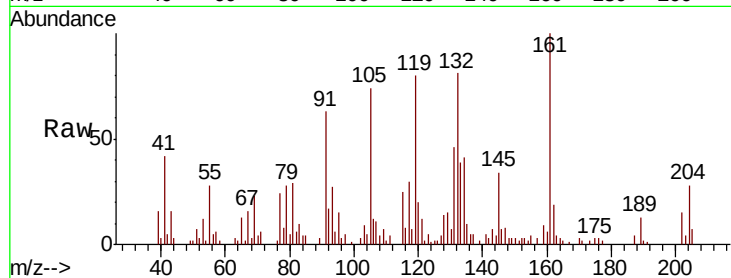




#56
4-Nitrophenol
Concen: 5.763 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

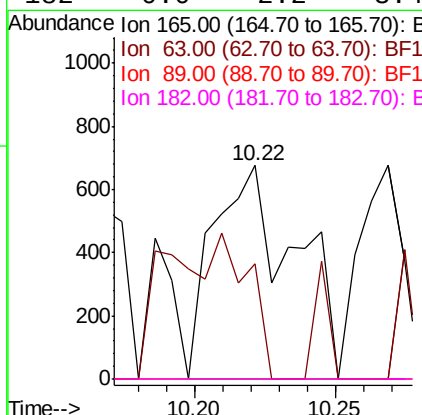
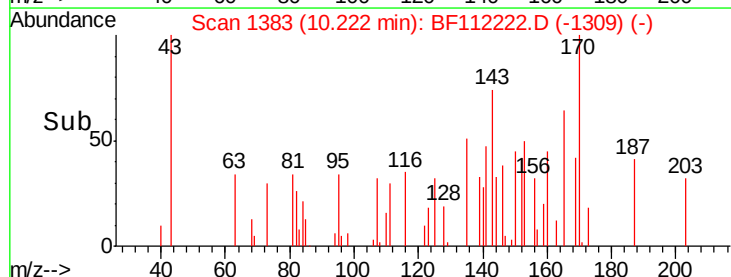
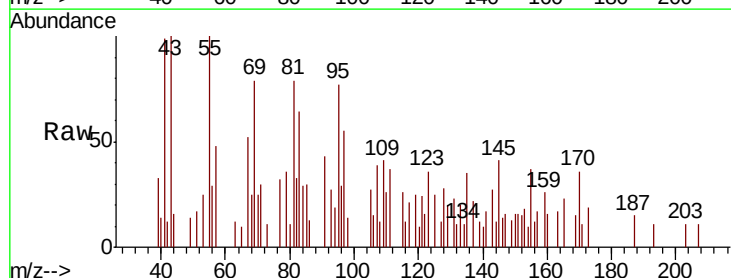
Instrument :
BNA_F
ClientSampleId :
TS-V

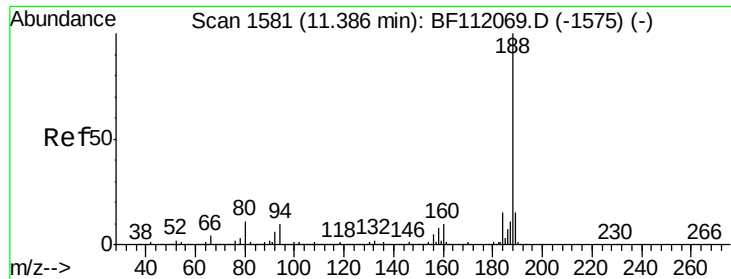
Tgt Ion:139 Resp: 426
Ion Ratio Lower Upper
139 100
109 363.1 42.8 82.8#
65 612.7 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 4.789 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.14 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Tgt Ion:165 Resp: 1354
Ion Ratio Lower Upper
165 100
63 53.7 27.9 41.9#
89 0.0 47.9 71.9#
182 0.0 2.2 3.4#

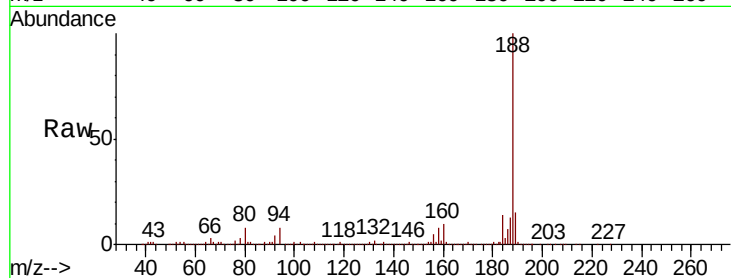




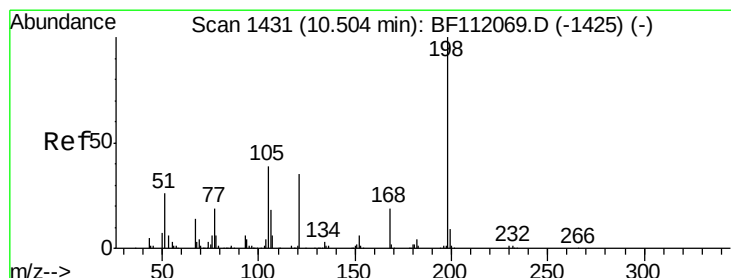
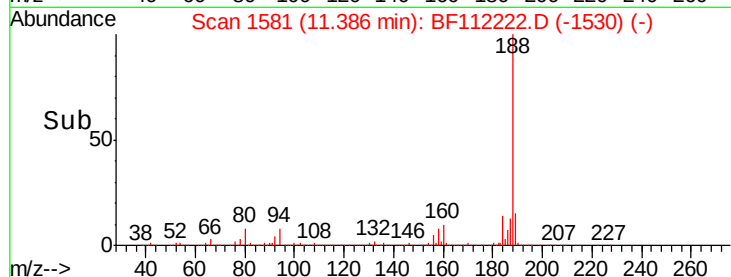
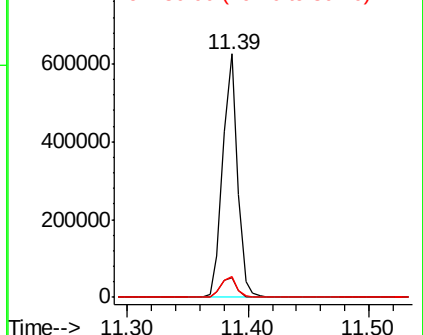
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Instrument :
BNA_F
ClientSampleId :
TS-V

Tgt Ion:188 Resp: 529337
Ion Ratio Lower Upper
188 100
94 8.0 8.2 12.2#
80 8.4 8.9 13.3#

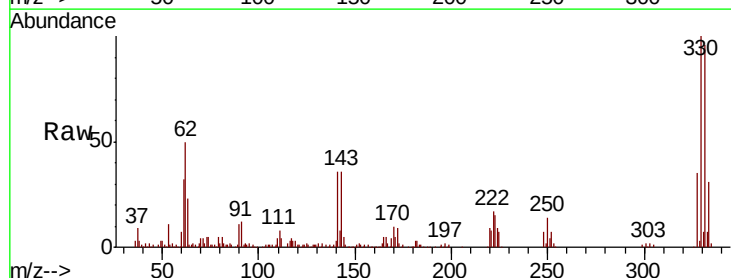


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

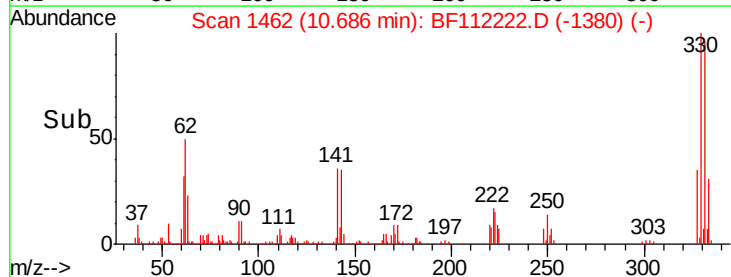
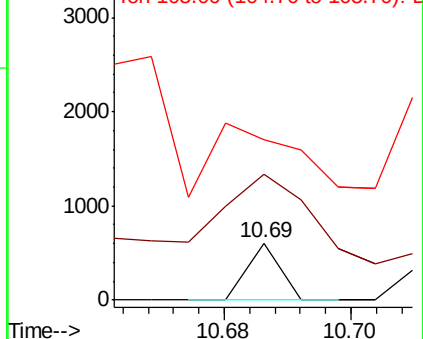


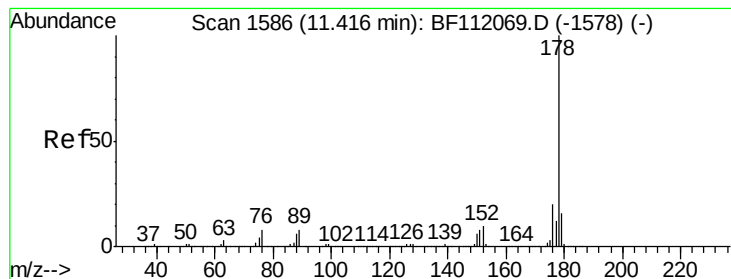
#65
4,6-Dinitro-2-methylphenol
Concen: 10.146 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.18 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Tgt Ion:198 Resp: 213
Ion Ratio Lower Upper
198 100
51 222.6 17.2 57.2#
105 281.9 21.9 61.9#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 9.271 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

Instrument :

BNA_F

ClientSampleId :

TS-V

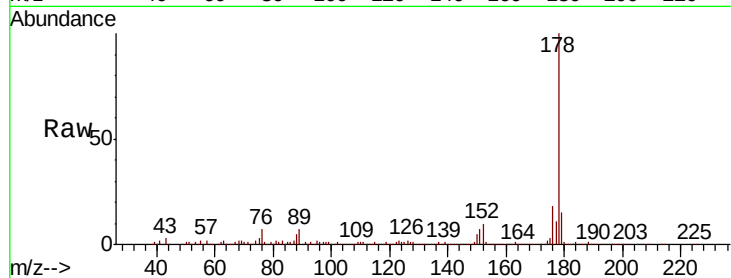
Tgt Ion:178 Resp: 246974

Ion Ratio Lower Upper

178 100

176 17.6 16.3 24.5

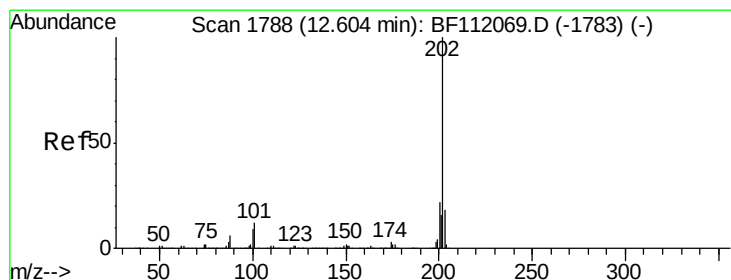
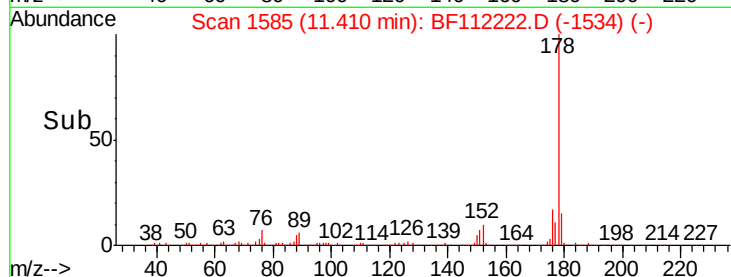
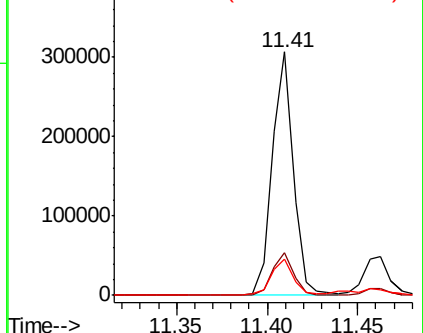
179 15.1 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.841 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

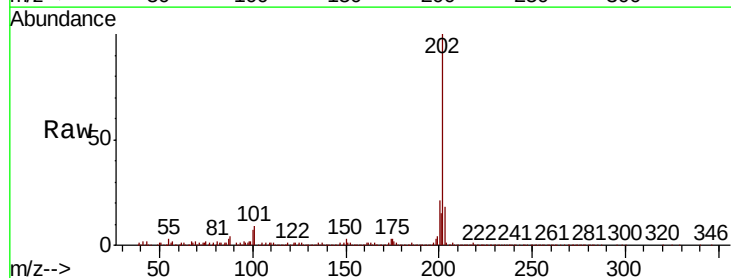
Tgt Ion:202 Resp: 361173

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.8

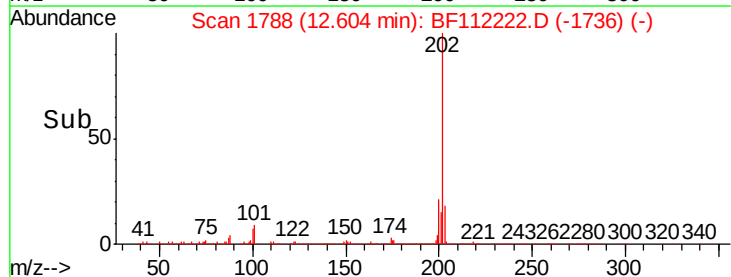
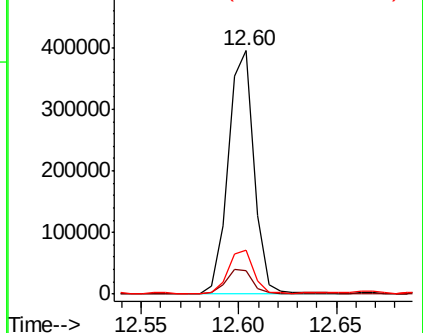
203 18.1 0.0 38.4

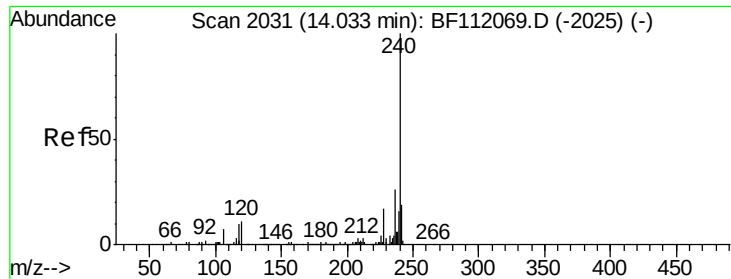


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

Instrument :

BNA_F

ClientSampleId :

TS-V

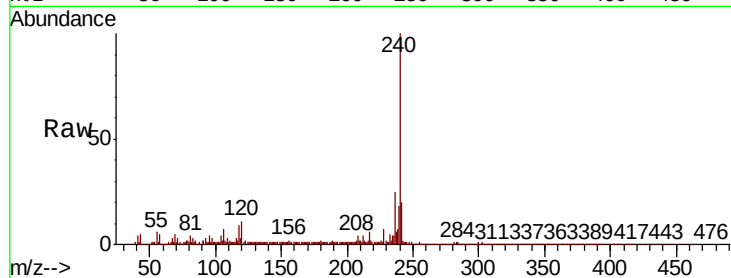
Tgt Ion:240 Resp: 359269

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.6

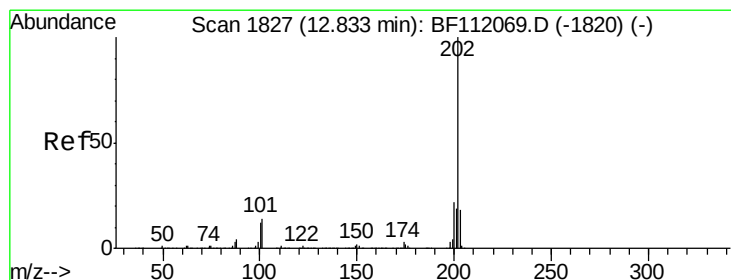
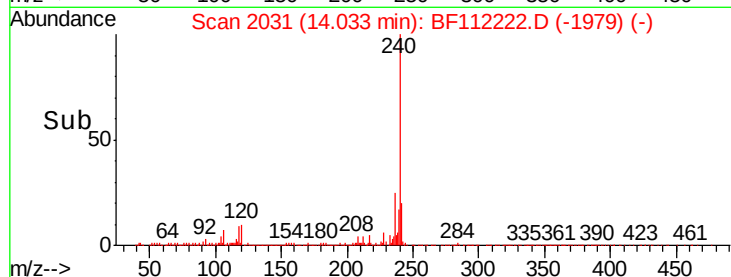
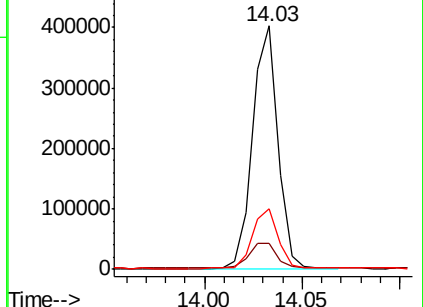
236 25.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 12.385 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

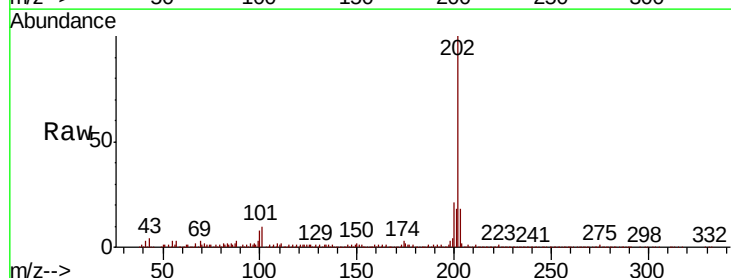
Tgt Ion:202 Resp: 293566

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

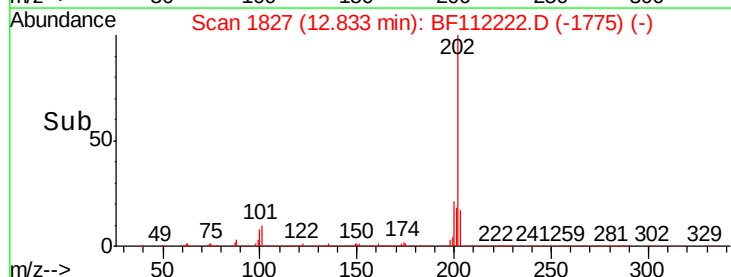
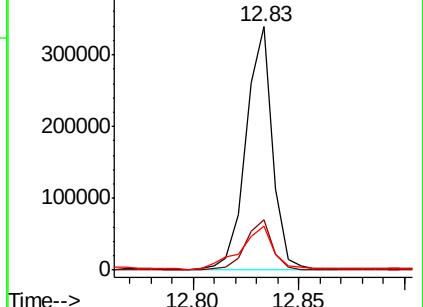
203 18.0 14.6 22.0

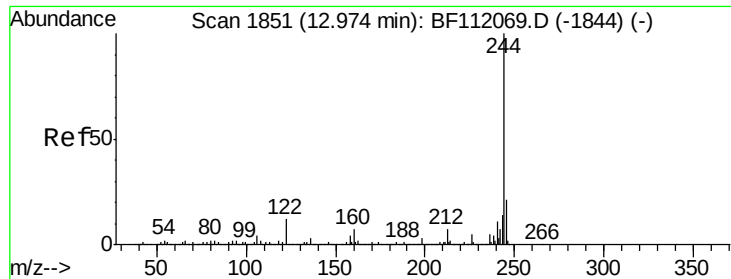


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.991 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

Instrument :

BNA_F

ClientSampleId :

TS-V

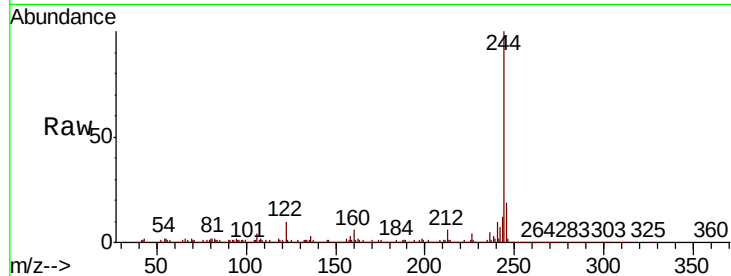
Tgt Ion:244 Resp: 506491

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

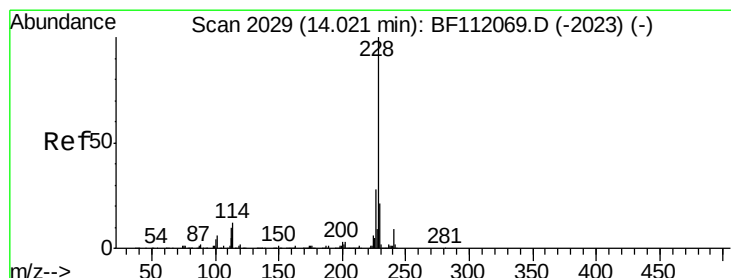
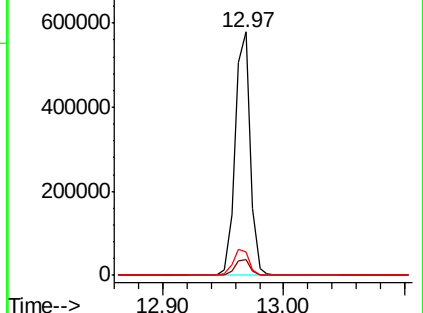
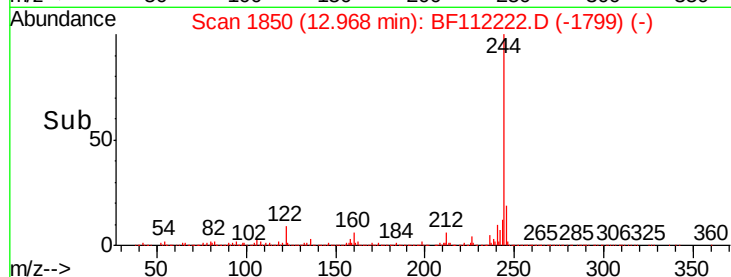
122 9.5 9.8 14.6#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.631 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

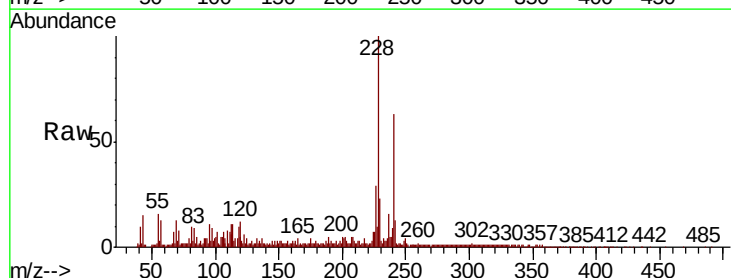
Tgt Ion:228 Resp: 136595

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

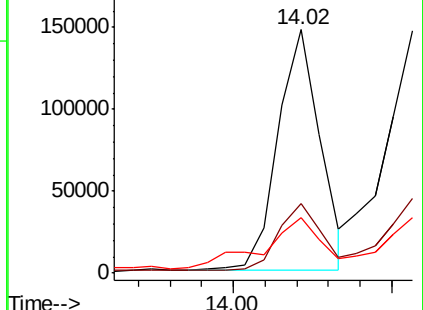
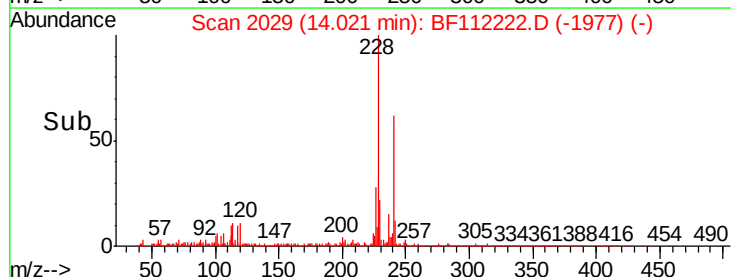
229 23.0 16.5 24.7

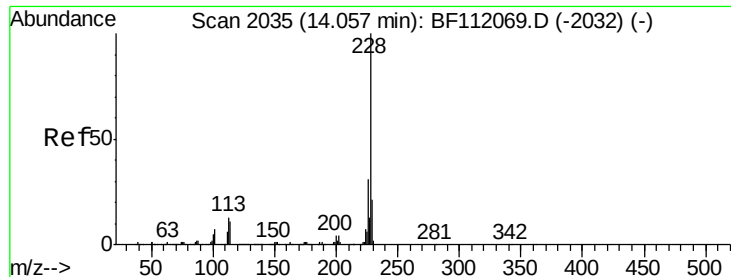


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.198 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

Instrument :

BNA_F

ClientSampleId :

TS-V

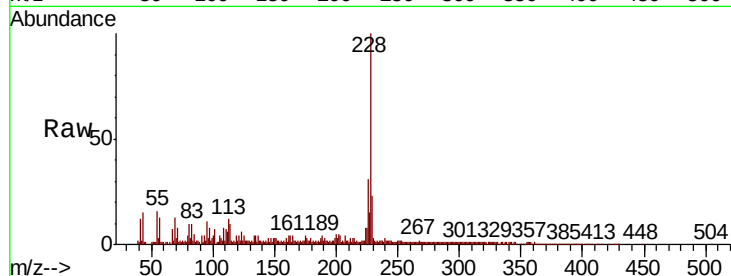
Tgt Ion:228 Resp: 140305

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

229 23.0 16.6 24.8

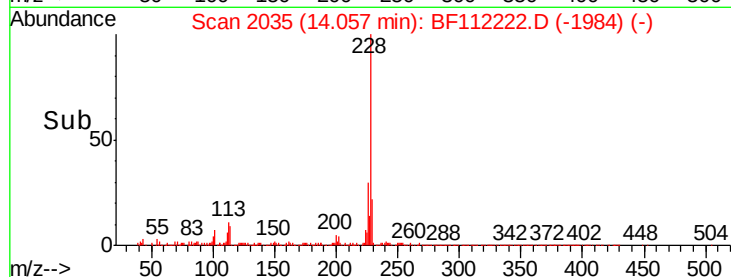


Abundance Ion 228.00 (227.70 to 228.70): E

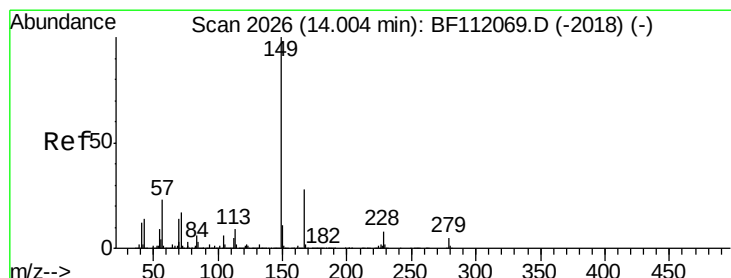
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.06



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.906 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

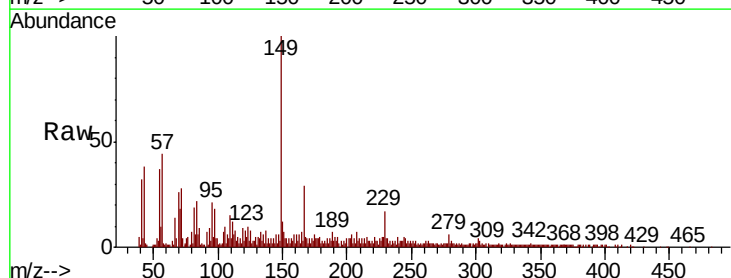
Tgt Ion:149 Resp: 58205

Ion Ratio Lower Upper

149 100

167 29.0 22.5 33.7

279 5.6 3.8 5.6

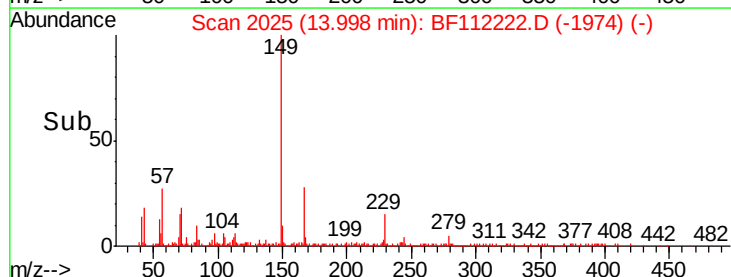


Abundance Ion 149.00 (148.70 to 149.70): E

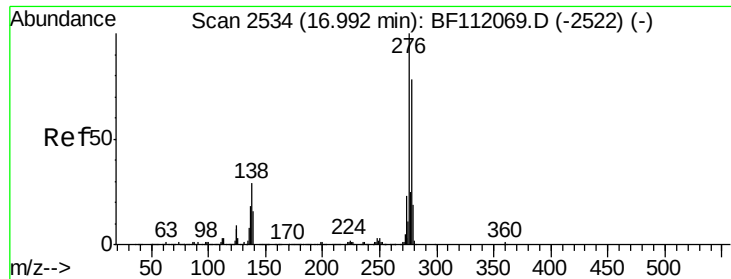
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

14.00



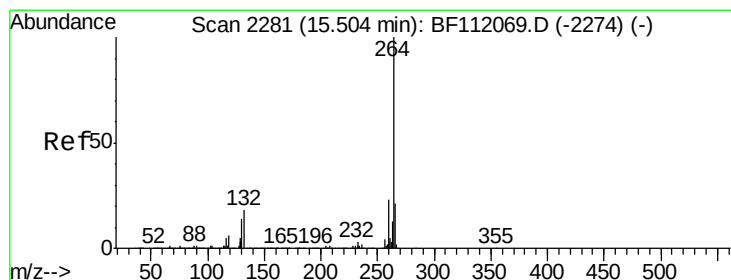
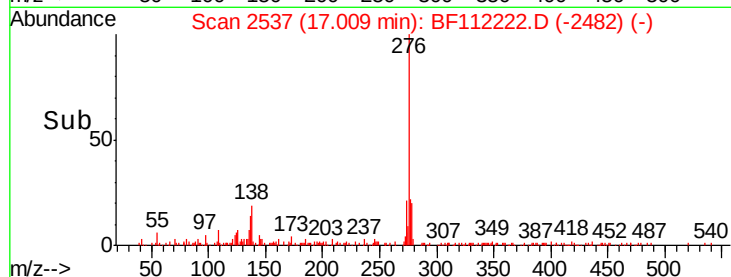
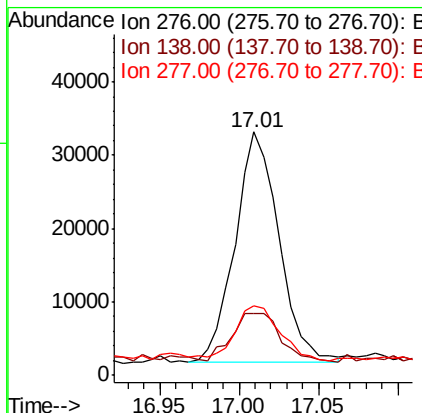
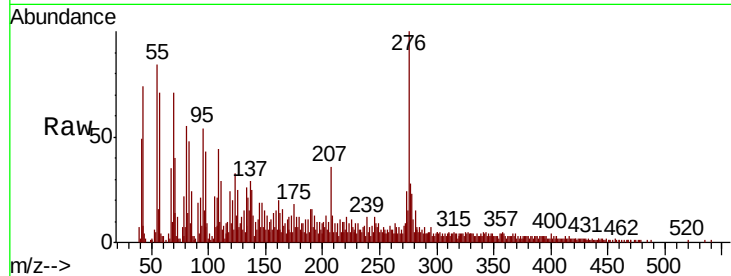
Time-->



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.347 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.02 min
 Lab File: BF112222.D
 Acq: 24 Jan 2019 21:24

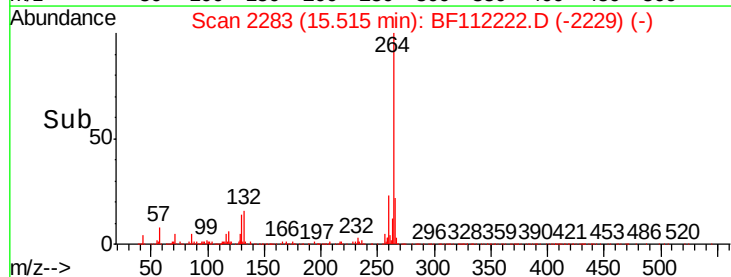
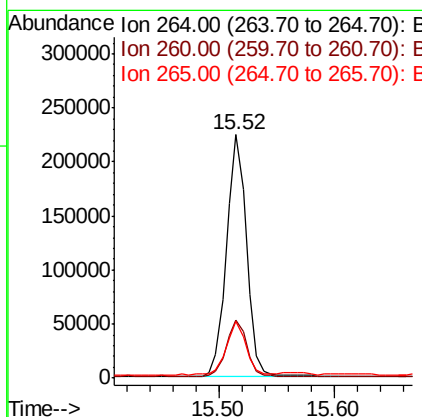
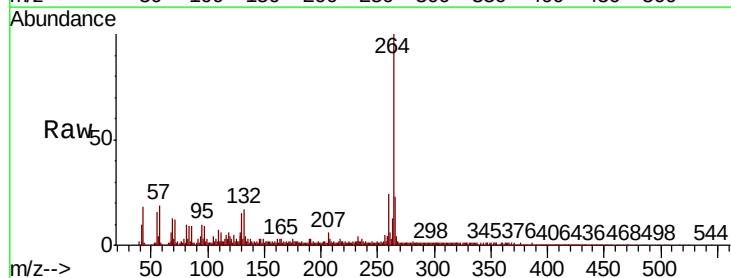
Instrument :
 BNA_F
 ClientSampleId :
 TS-V

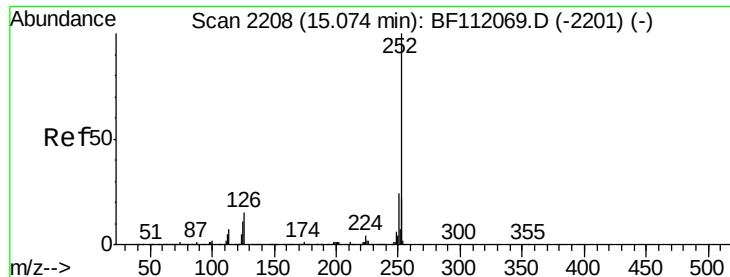
Tgt Ion: 276 Resp: 60193
 Ion Ratio Lower Upper
 276 100
 138 23.9 22.6 34.0
 277 24.4 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.02 min
 Lab File: BF112222.D
 Acq: 24 Jan 2019 21:24

Tgt Ion: 264 Resp: 269040
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.2 27.2
 265 23.2 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 13.288 ng

RT: 15.08 min Scan# 2209

Delta R.T. 0.01 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

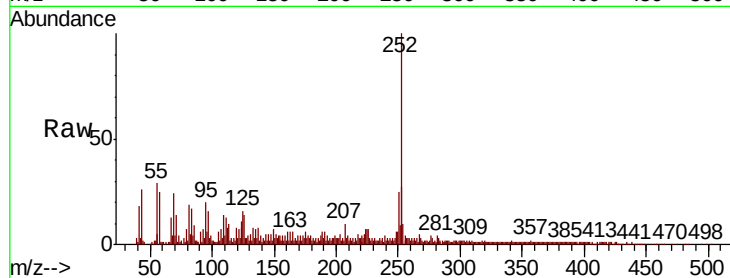
Instrument :

BNA_F

ClientSampleId :

TS-V

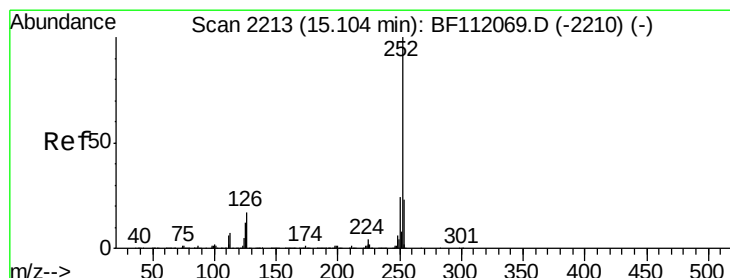
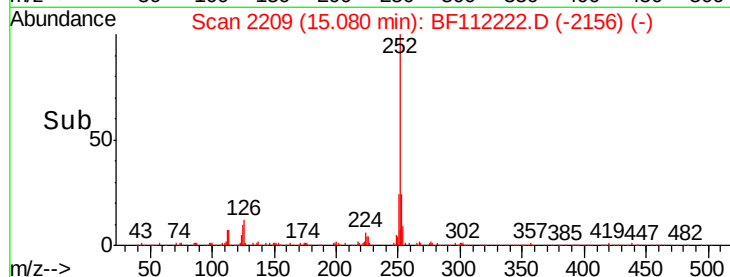
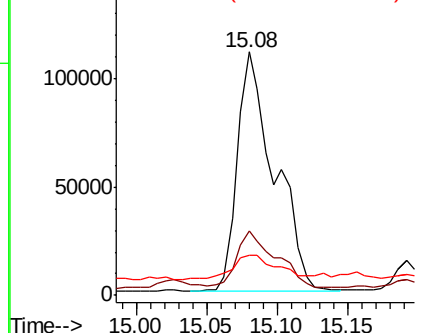
Tgt Ion:	252	Resp:	202926
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.0	27.0
125	16.4	8.7	13.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 13.729 ng

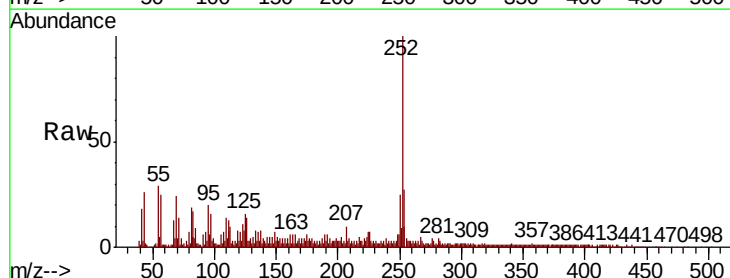
RT: 15.08 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BF112222.D

Acq: 24 Jan 2019 21:24

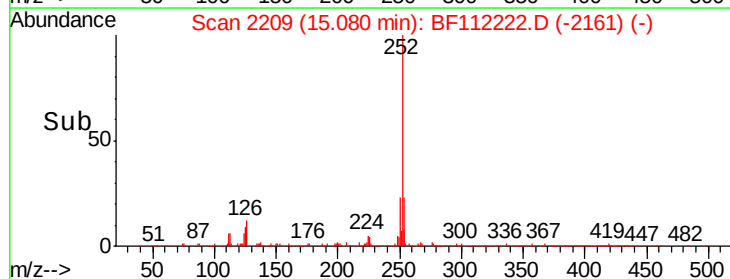
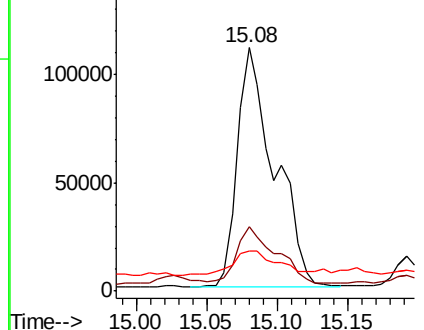
Tgt Ion:	252	Resp:	202926
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.0	27.0
125	16.4	9.1	13.7#

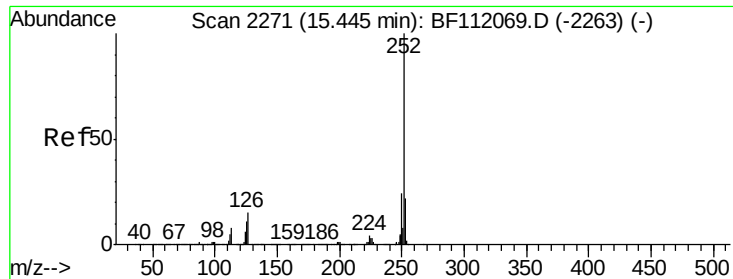


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

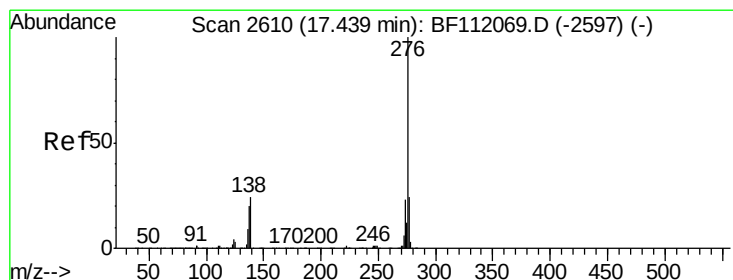
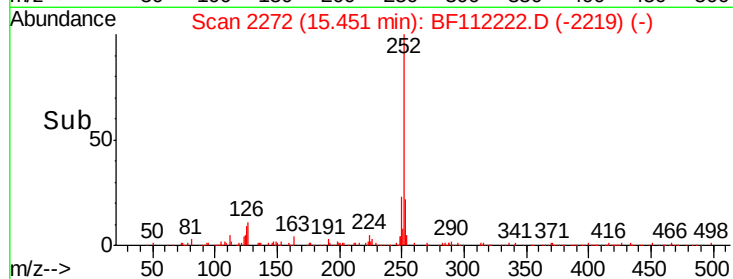
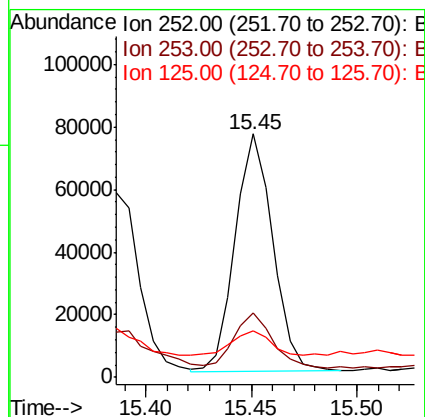
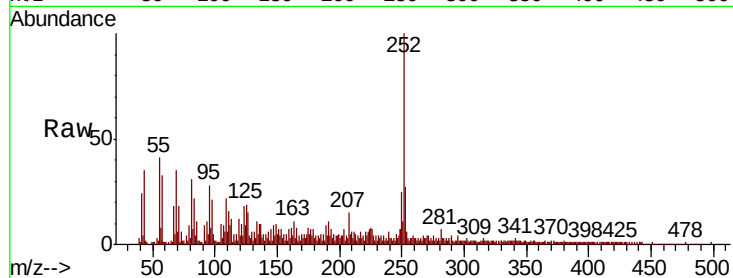




#90
Benzo(a)pyrene
Concen: 6.700 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Instrument :
BNA_F
ClientSampleId :
TS-V

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.5	26.3#
125	19.3	9.0	13.4#



#92
Benzo(g,h,i)perylene
Concen: 4.469 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.04 min
Lab File: BF112222.D
Acq: 24 Jan 2019 21:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.0	19.4	29.0#
138	26.0	19.1	28.7

