

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
 Data File : BF112000.D
 Acq On : 10 Jan 2019 21:05
 Operator : JU/SJ
 Sample : K1062-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-(1-10)-COMP

Manual Integrations
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 1/11/2019 4:42:58 PM

Quant Time: Jan 11 02:02:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	89302	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	305279	20.00	ng	-0.02
39) Acenaphthene-d10	9.91	164	129629	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	243388	20.00	ng	-0.02
76) Chrysene-d12	14.04	240	234007	20.00	ng	-0.02
87) Perylene-d12	15.52	264	211549	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	444727	85.20	ng	-0.02
7) Phenol-d6	6.52	99	559047	83.10	ng	-0.02
23) Nitrobenzene-d5	7.43	82	340012	59.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	128540	76.24	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	519954	58.49	ng	-0.02
79) Terphenyl-d14	12.98	244	552775	44.84	ng	-0.02
Target Compounds						
10) Phenol	6.53	94	24241	3.315	ng	Qvalue 81
50) Dimethylphthalate	9.62	163	50988	5.236	ng	99
71) Phenanthrene	11.42	178	224064	17.219	ng	97
72) Anthracene	11.47	178	42919	3.249	ng	98
73) Carbazole	11.63	167	28224	2.197	ng	98
75) Fluoranthene	12.62	202	355452	26.608	ng	99
78) Pyrene	12.84	202	300635	18.672	ng	98
80) Butylbenzylphthalate	13.45	149	22941	3.370	ng	99
81) Benzo(a)anthracene	14.03	228	157576	11.700	ng	98
83) Chrysene	14.07	228	157913	12.298	ng	96
84) Bis(2-ethylhexyl)phthalate	14.02	149	50813	5.684	ng	# 100
86) Indeno(1,2,3-cd)pyrene	17.00	276	54977	5.873	ng	97
88) Benzo(b)fluoranthene	15.09	252	207184m	16.372	ng	
89) Benzo(k)fluoranthene	15.11	252	61839m	5.199	ng	
90) Benzo(a)pyrene	15.46	252	110300	9.913	ng	# 96
92) Benzo(g,h,i)perylene	17.46	276	56188	6.419	ng	98

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

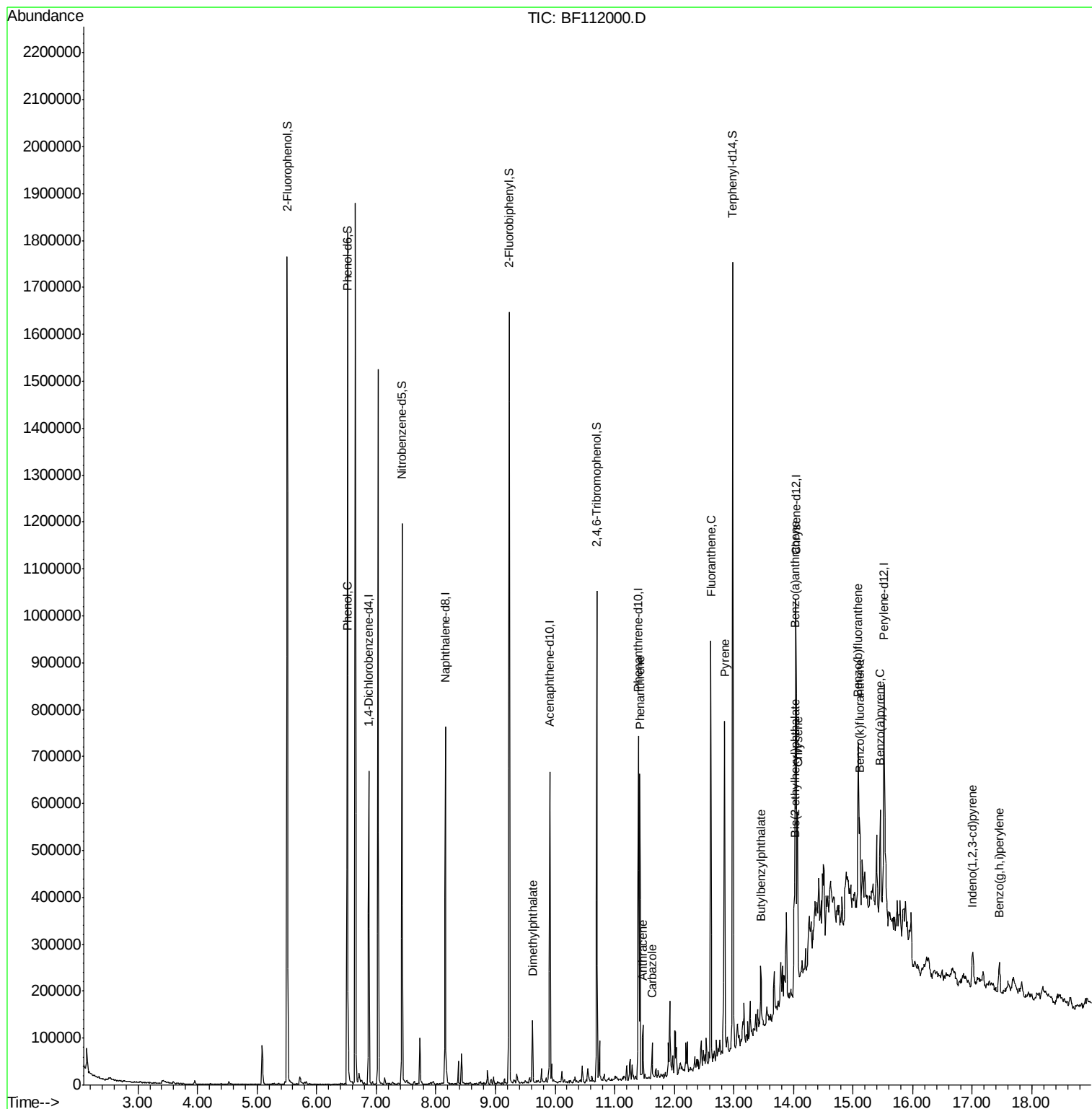
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF112000.D
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ALS Vial : 20 Sample Multiplier: 1

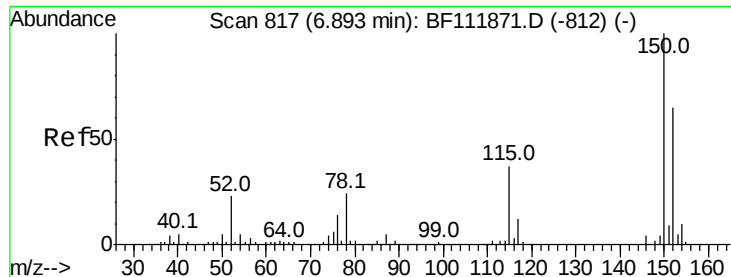
Instrument :
BNA_F
ClientSampleID :
TP-(1-10)-COMP

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

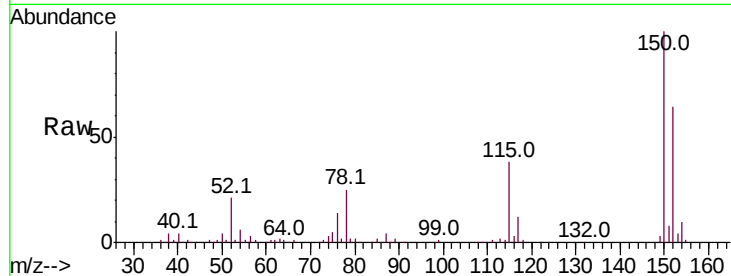
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.7	184.1
115	60.2	45.2	67.8

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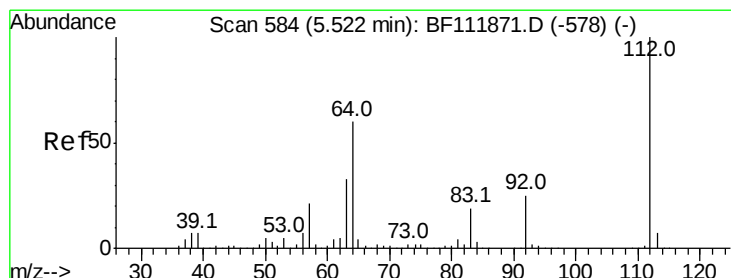
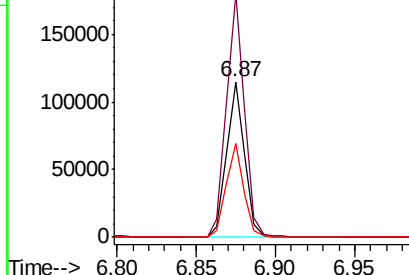
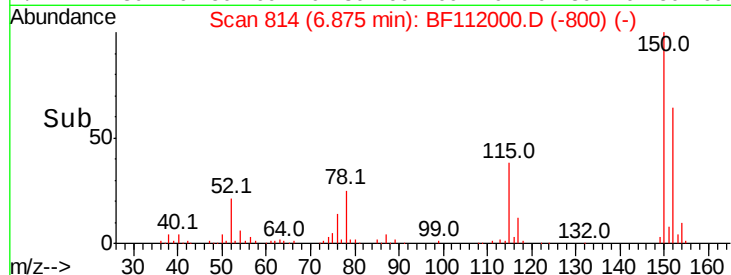


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

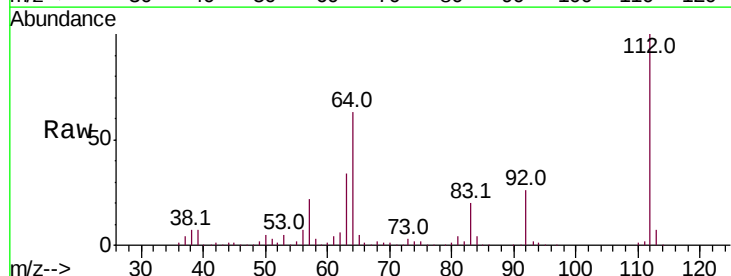
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.199 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	48.3	72.5
63	33.8	26.1	39.1

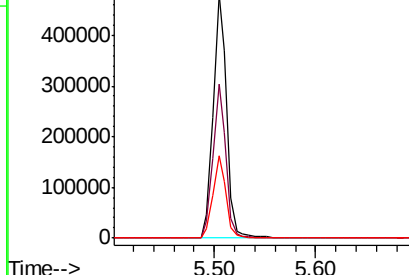
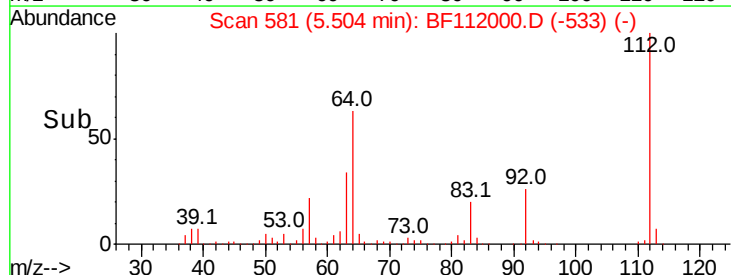


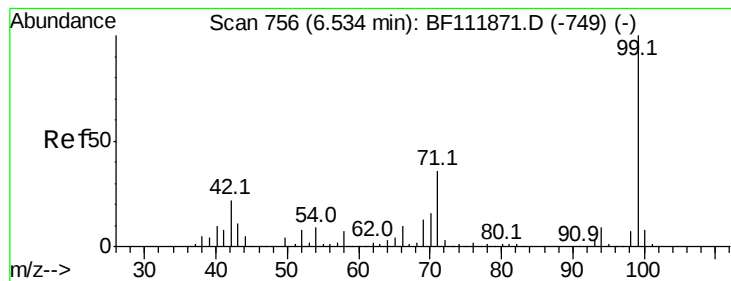
Abundance

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: 83.096 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Instrument :

BNA_F

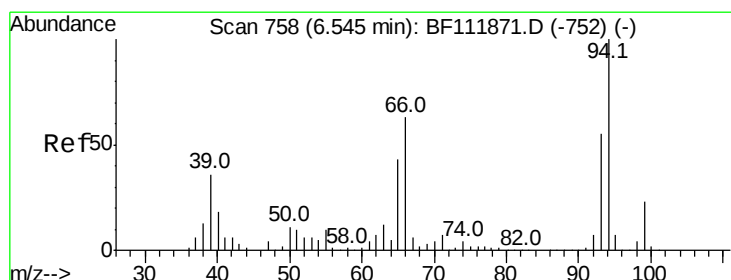
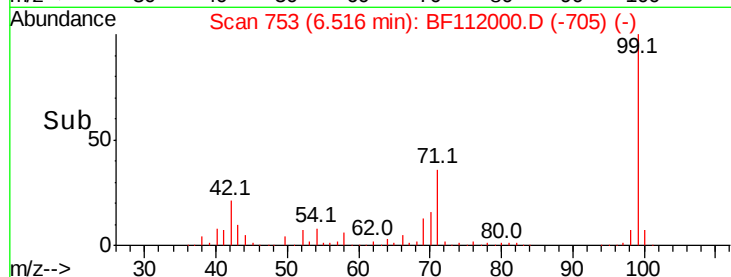
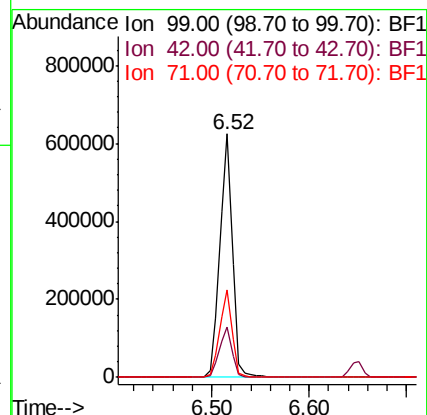
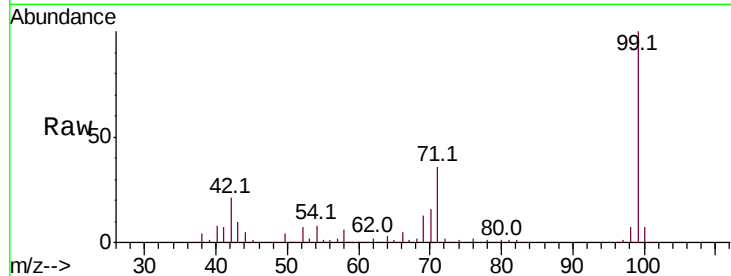
ClientSampleId :

TP-(1-10)-COMP

Tot Ion:	99	Resp:	559047
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.9	26.9
71	36.0	28.7	43.1

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#10

Phenol

Concen: 3.315 ng

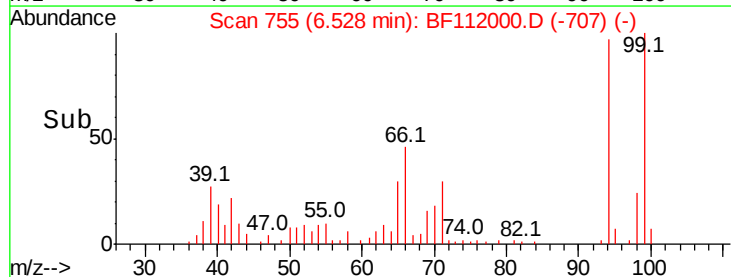
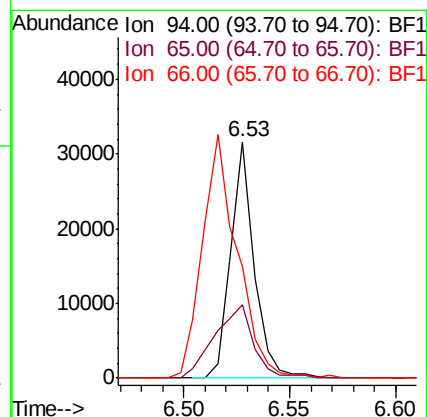
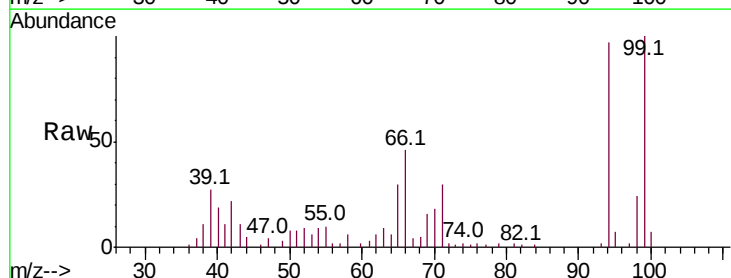
RT: 6.53 min Scan# 755

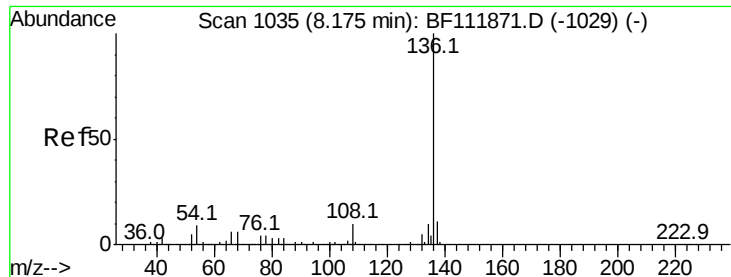
Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Tgt Ion:	94	Resp:	24241
Ion	Ratio	Lower	Upper
94	100		
65	31.2	22.8	62.8
66	47.6	43.3	83.3





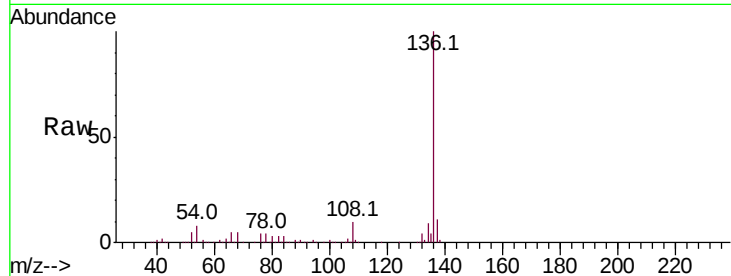
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

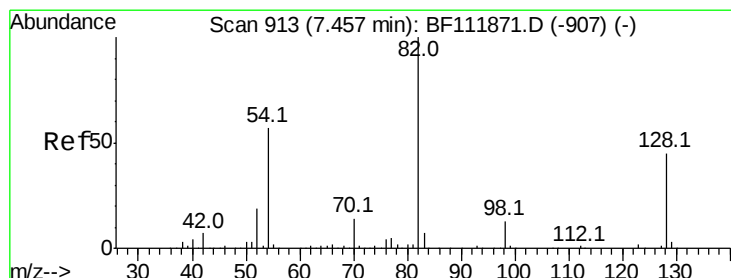
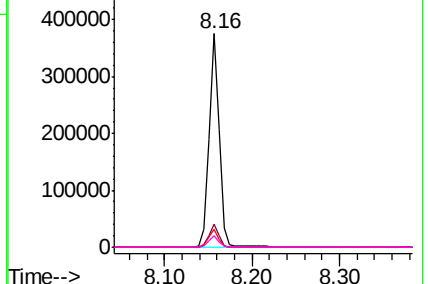
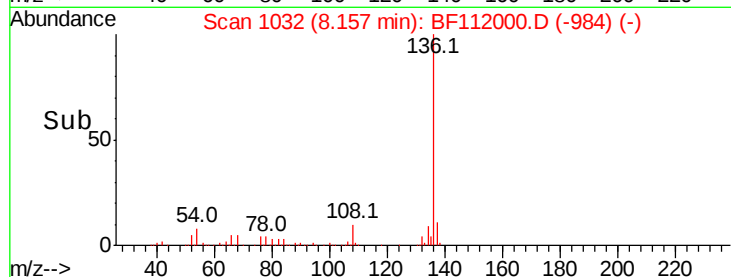
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	8.2	7.2	10.8	
68	5.3	4.4	6.6	

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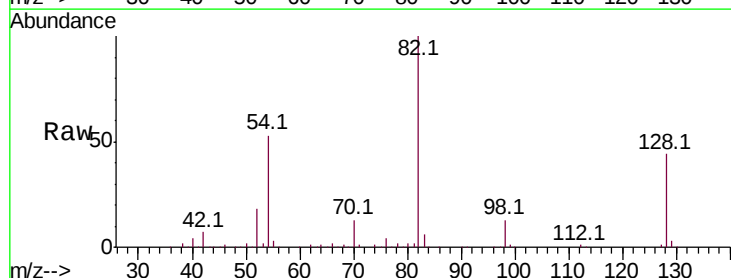


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

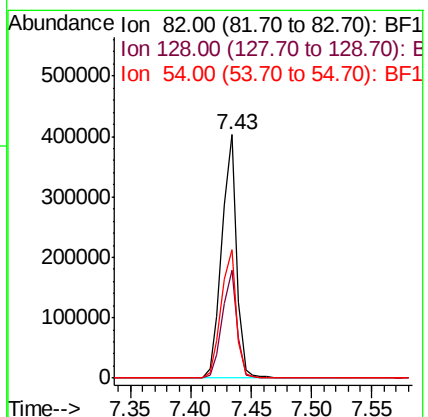
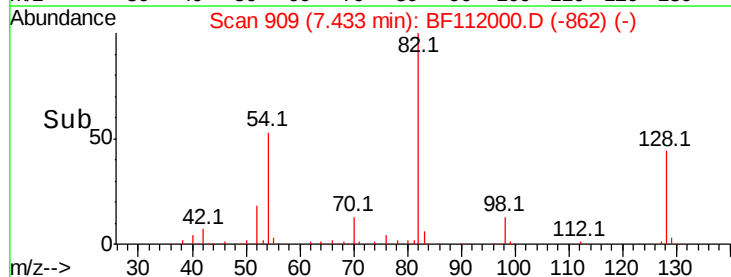


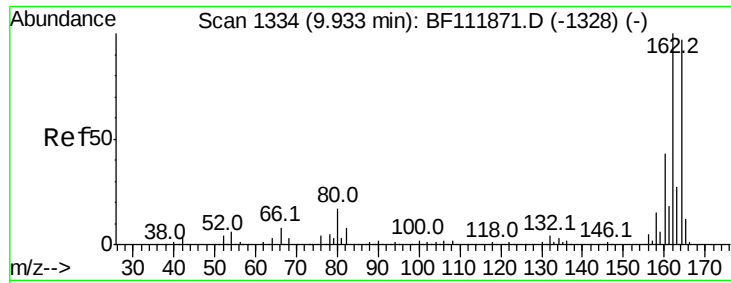
#23
Nitrobenzene-d5
Concen: 59.526 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	35.7	53.5	
54	53.0	45.8	68.8	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





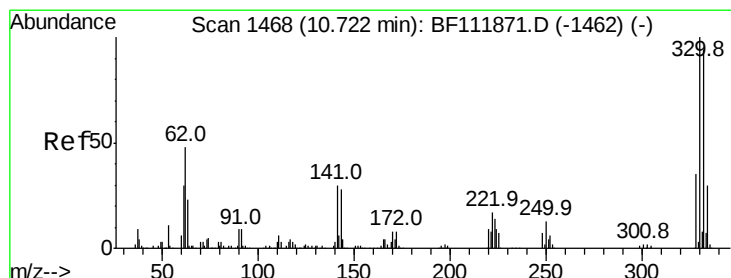
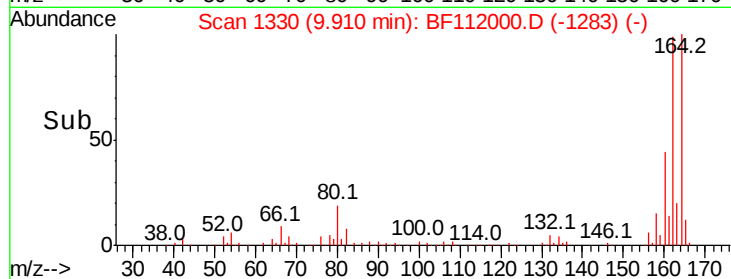
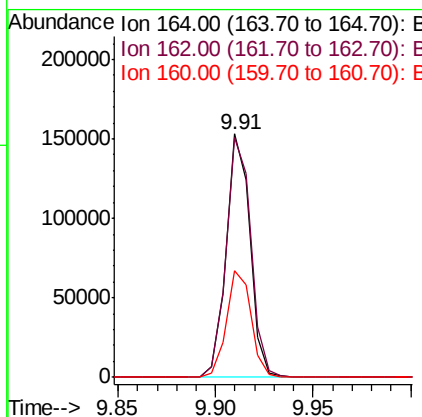
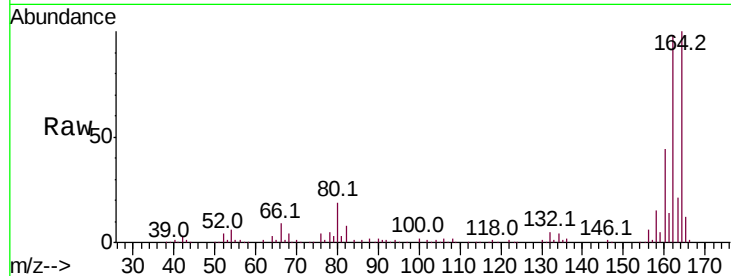
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.5	82.2	123.2	
160	43.8	35.5	53.3	

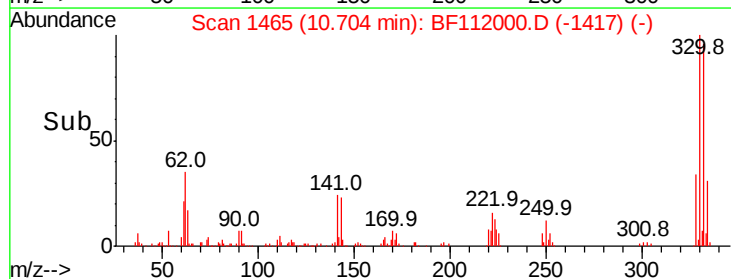
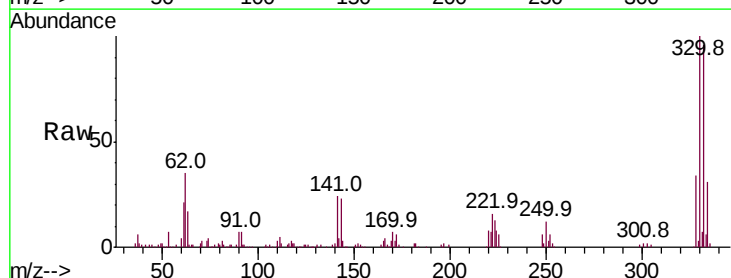
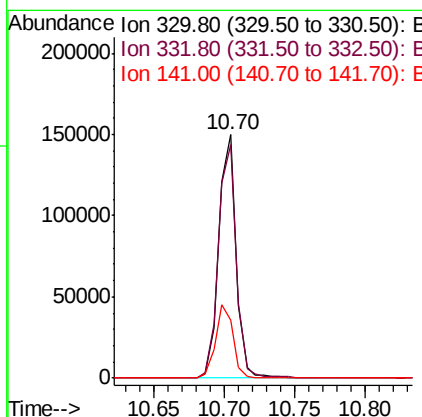
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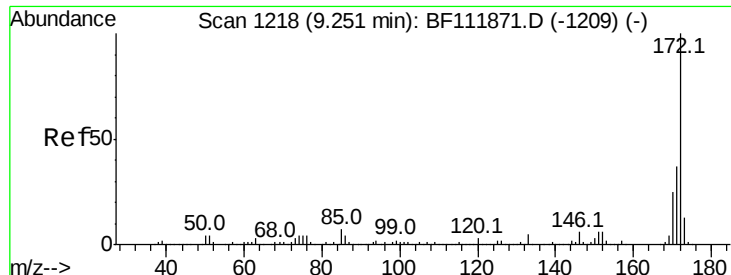
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#42
2,4,6-Tribromophenol
Concen: 76.236 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.8	76.9	115.3	
141	30.9	23.7	35.5	





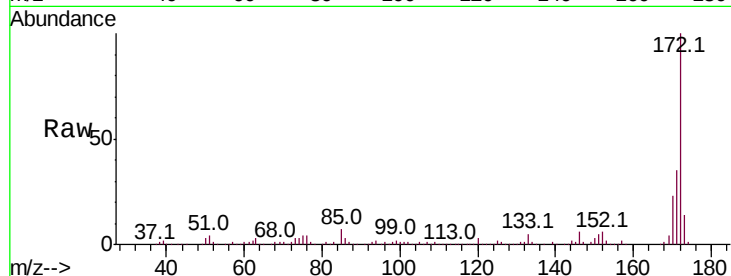
#45
 2-Fluorobiphenyl
 Concen: 58.490 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF112000.D
 Acq: 10 Jan 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-(1-10)-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	519954		
171	34.6		29.6	44.4
170	23.5		19.8	29.8

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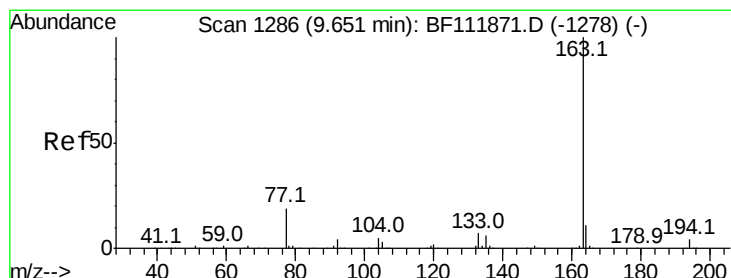
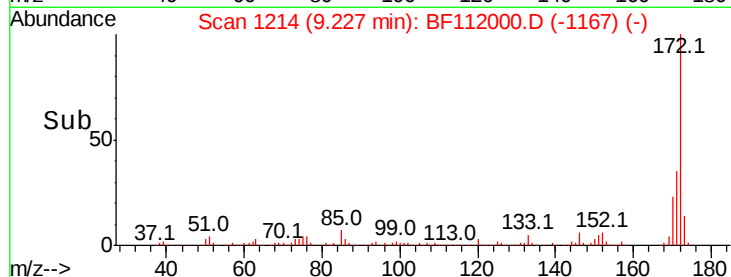
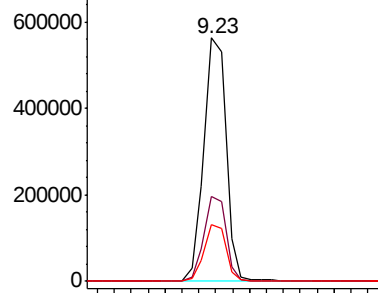


Abundance

Ion 172.00 (171.70 to 172.70): E

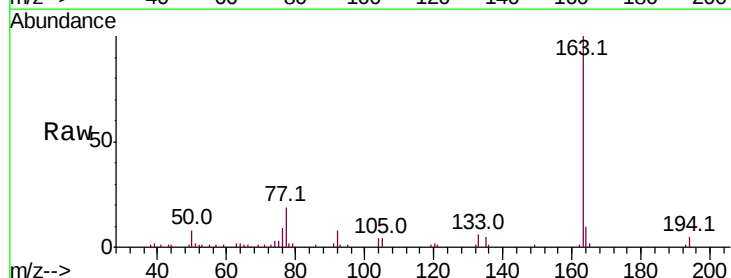
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 5.236 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.03 min
 Lab File: BF112000.D
 Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	50988		
194	4.6		3.4	5.2
164	10.4		8.5	12.7

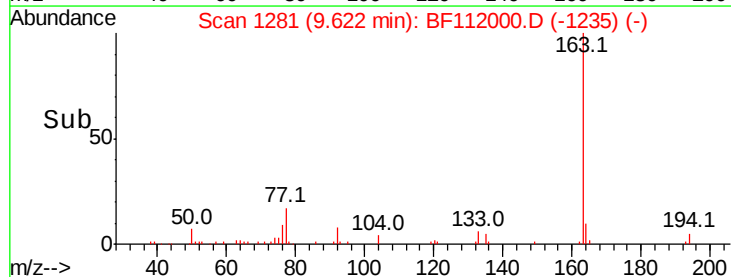
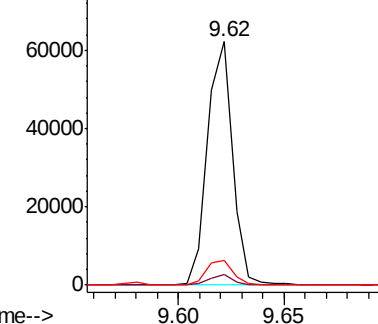


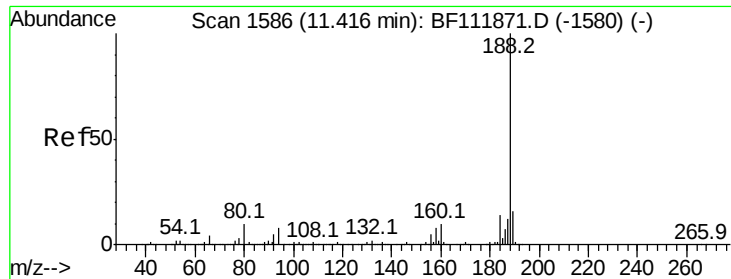
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Instrument :

BNA_F

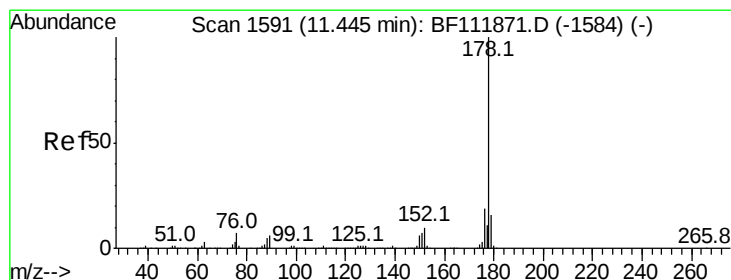
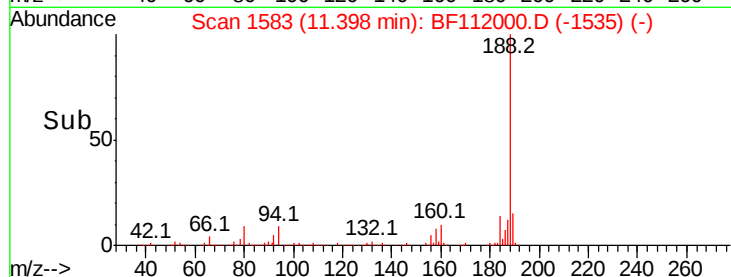
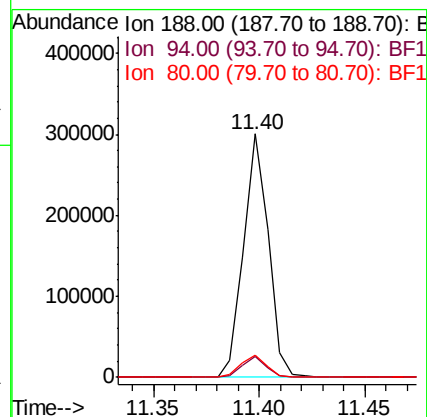
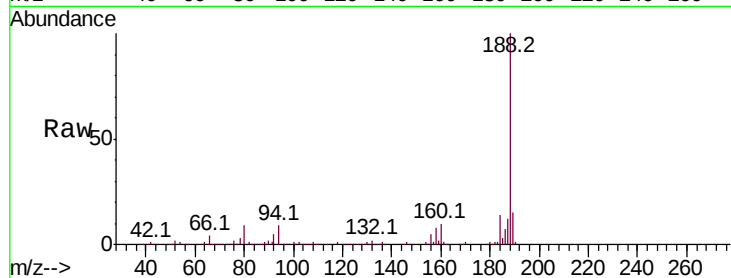
ClientSampleId :

TP-(1-10)-COMP

Tot Ion:	188	Resp:	243388
Ion Ratio	Lower	Upper	
188	100		
94	8.8	6.6	10.0
80	9.3	7.7	11.5

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#71

Phenanthrene

Concen: 17.219 ng

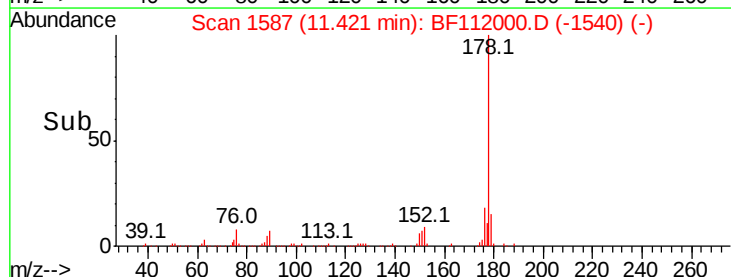
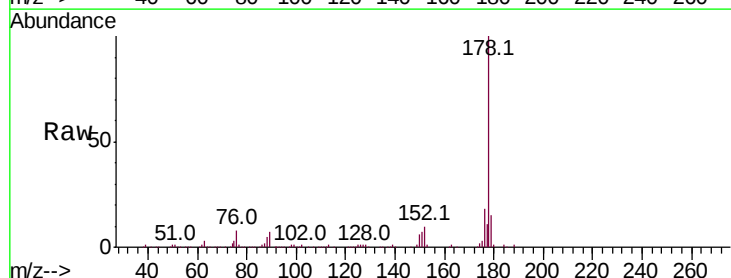
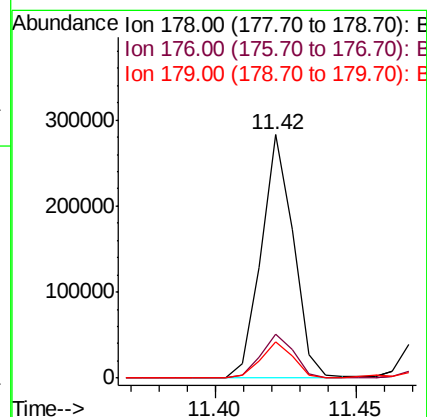
RT: 11.42 min Scan# 1587

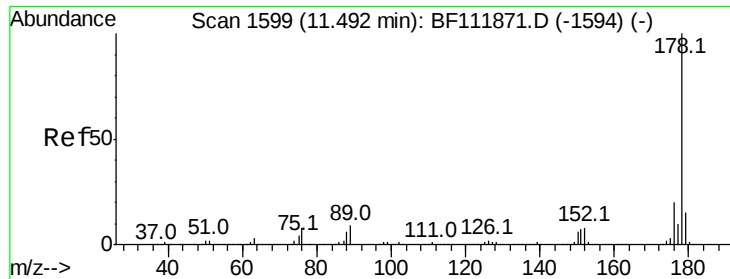
Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Tgt Ion:	178	Resp:	224064
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.6	23.4
179	14.9	12.6	18.8





#72

Anthracene

Concen: 3.249 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Instrument :

BNA_F

ClientSampled :

TP-(1-10)-COMP

Tot Ion:178 Resp: 42919

Ion Ratio Lower Upper

178 100

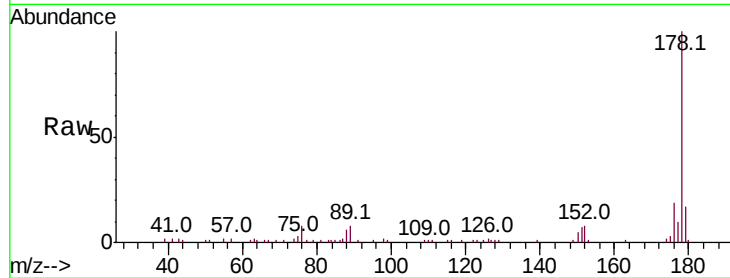
176 18.9 15.7 23.5

179 16.6 12.4 18.6

Manual Integrations
APPROVED

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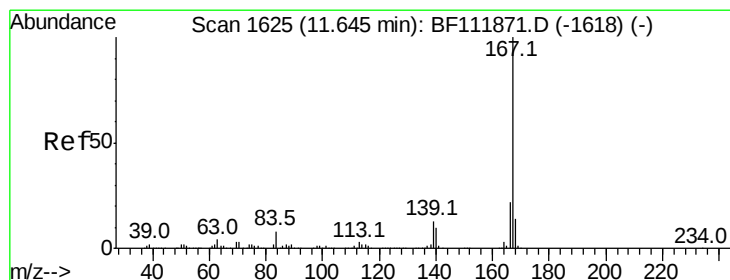
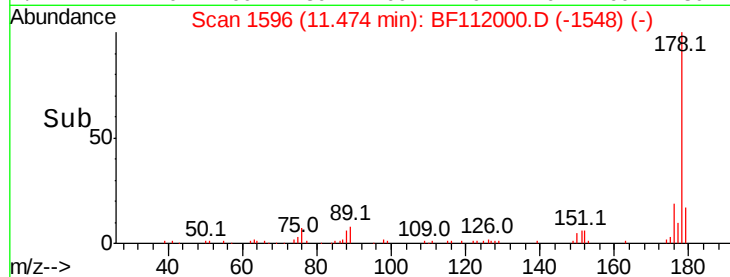
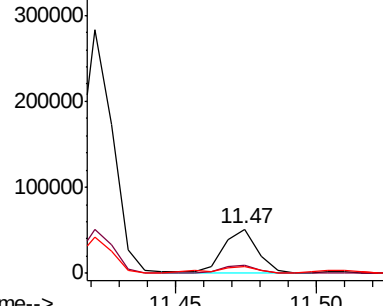
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.197 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

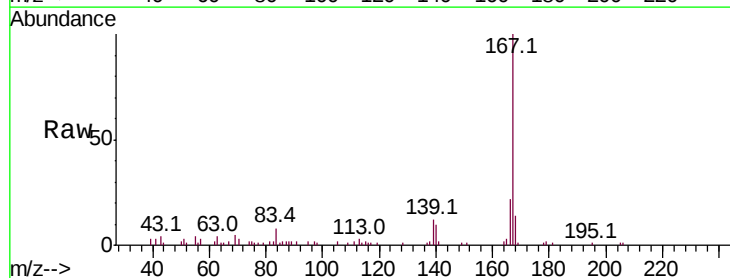
Tgt Ion:167 Resp: 28224

Ion Ratio Lower Upper

167 100

166 21.5 17.8 26.6

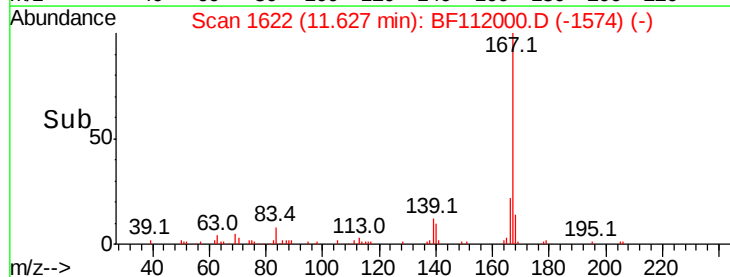
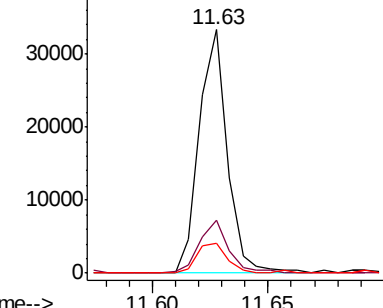
139 12.4 10.6 16.0

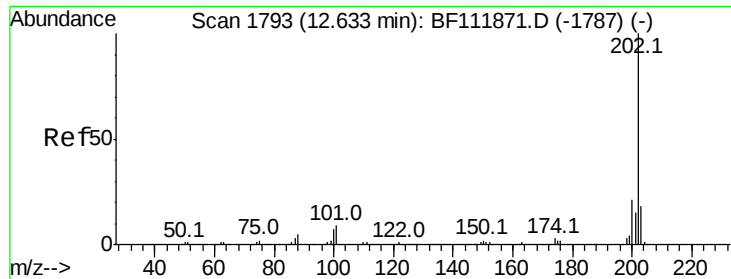


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 26.608 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Instrument :

BNA_F

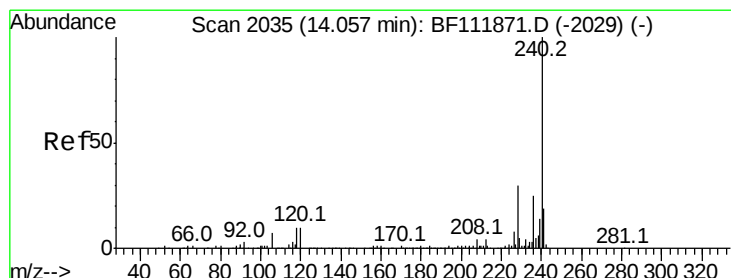
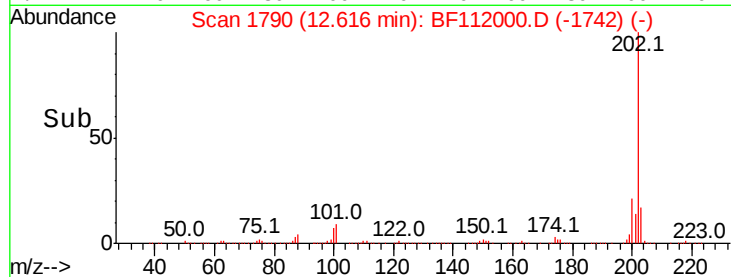
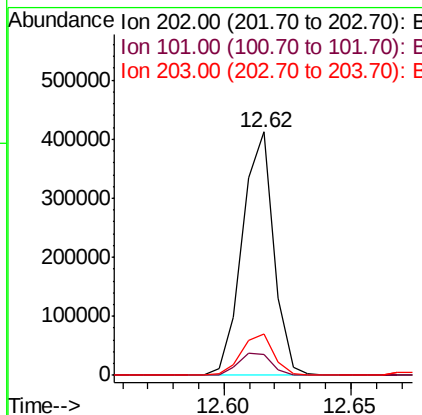
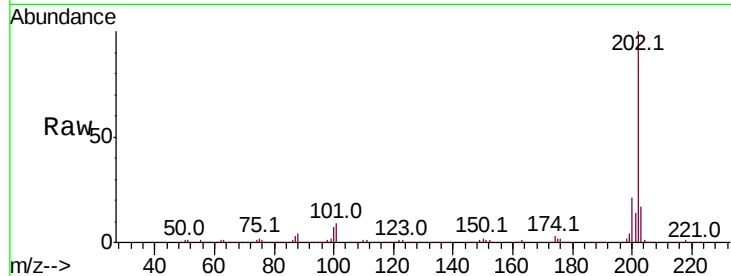
ClientSampleId :

TP-(1-10)-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.7	0.0	29.3
203	17.1	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

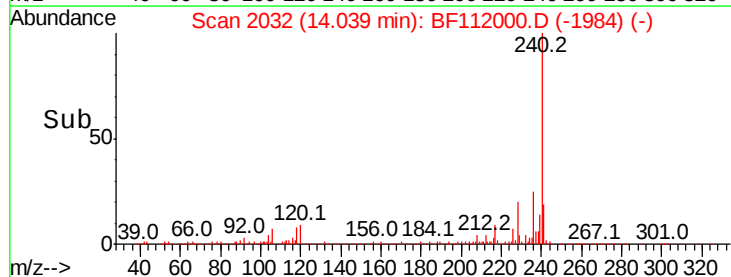
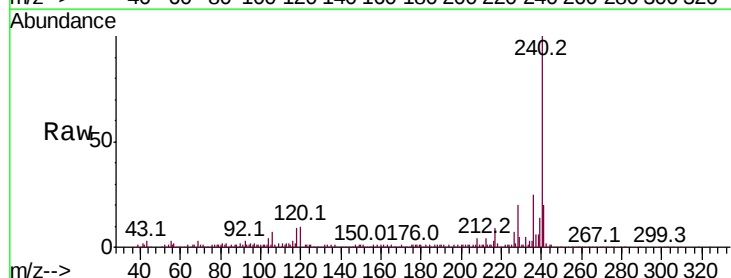
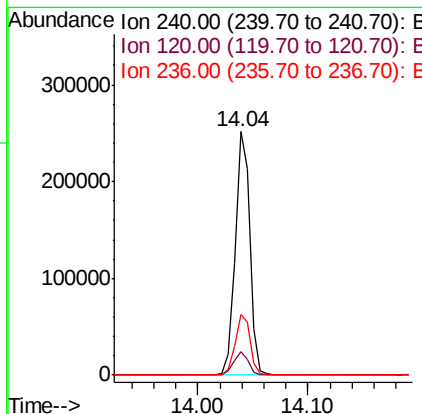
RT: 14.04 min Scan# 2032

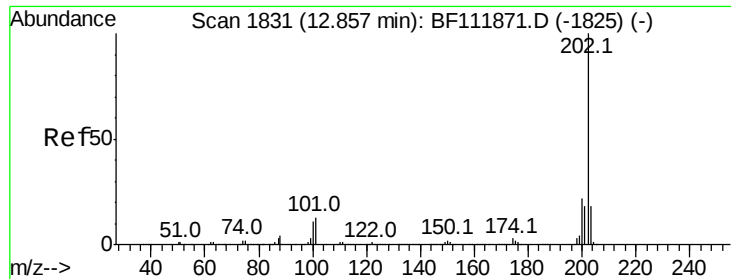
Delta R.T. -0.02 min

Lab File: BF112000.D

Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	8.2	12.2
236	24.7	20.2	30.4





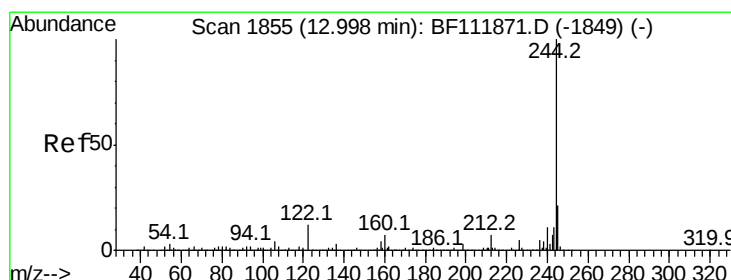
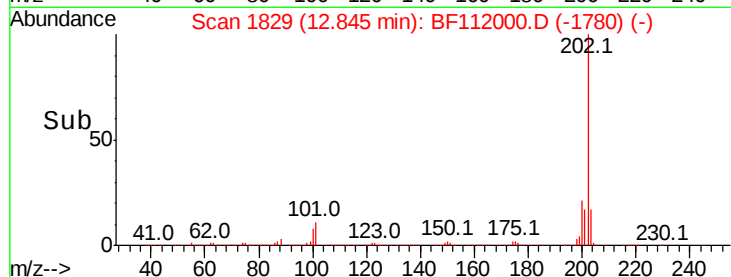
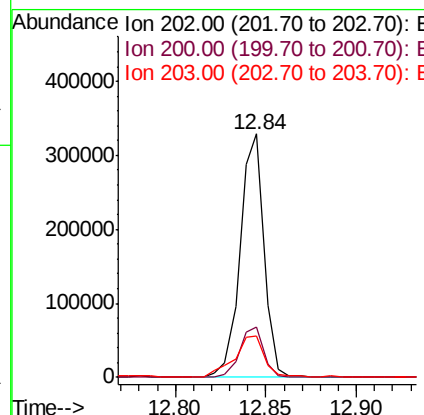
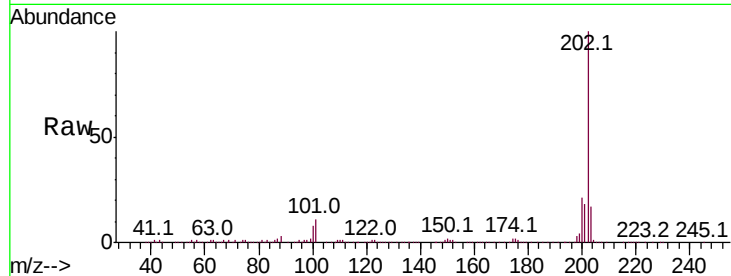
#78
Pvrene
Concen: 18.672 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.2	14.6	21.8

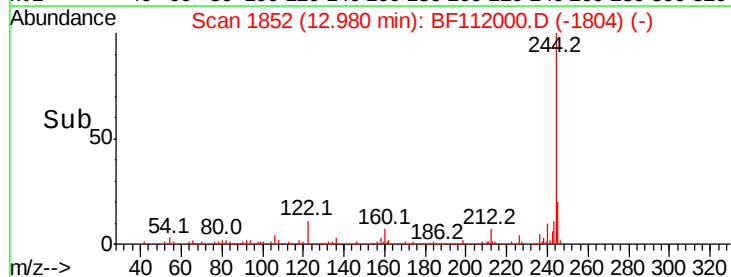
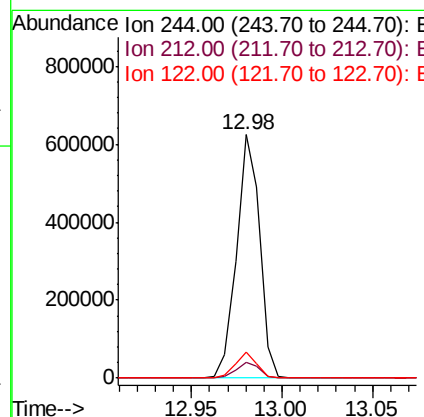
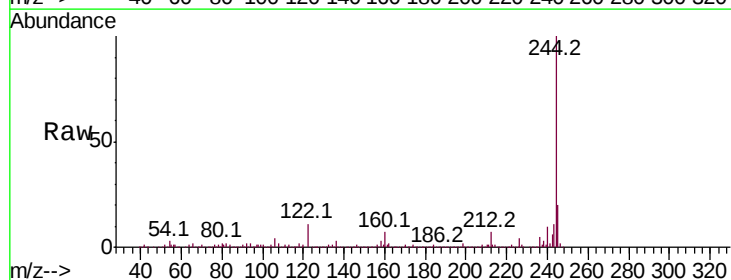
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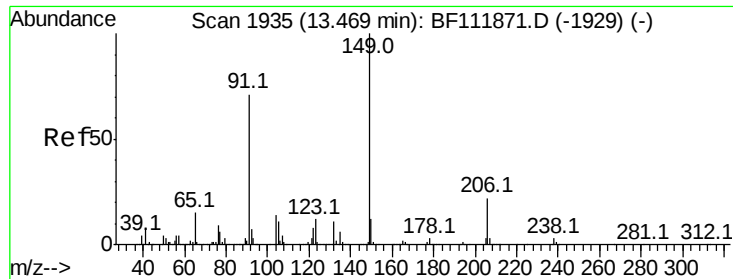
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#79
Terphenyl-d14
Concen: 44.840 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.7	9.5	14.3





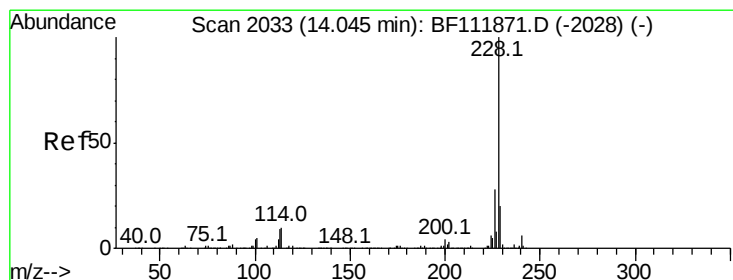
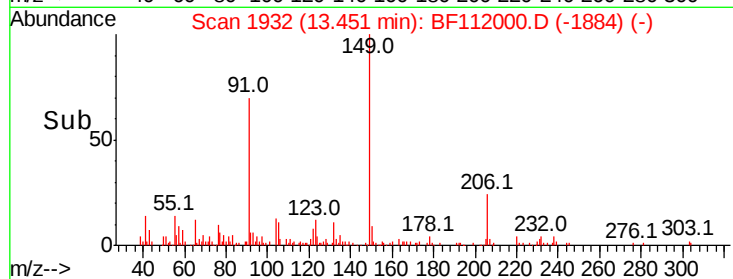
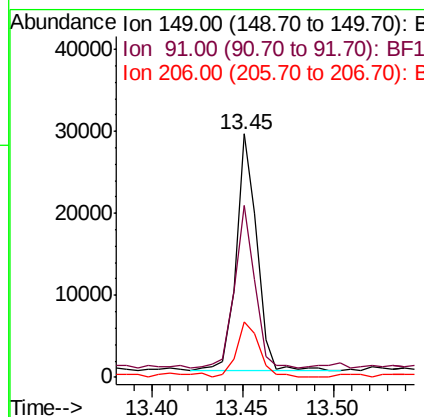
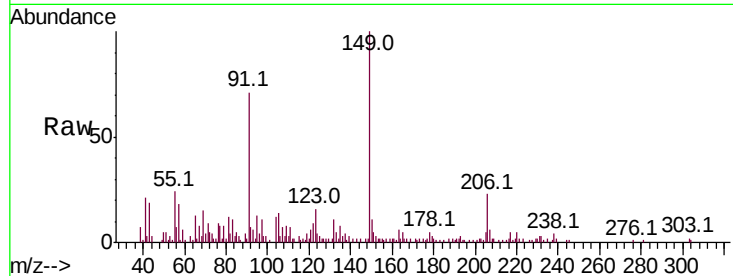
#80
Butylbenzylphthalate
Concen: 3.370 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion:	149	Resp:	22941
Ion Ratio	Lower	Upper	
149	100		
91	70.7	57.2	85.8
206	22.9	17.3	25.9

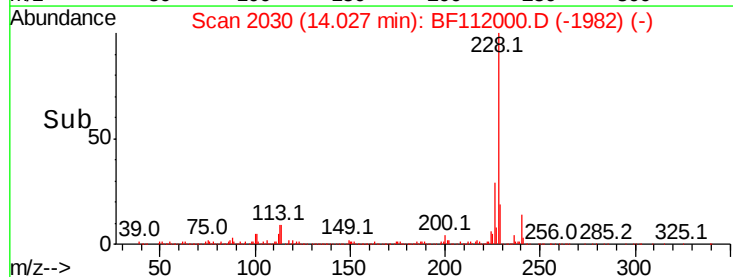
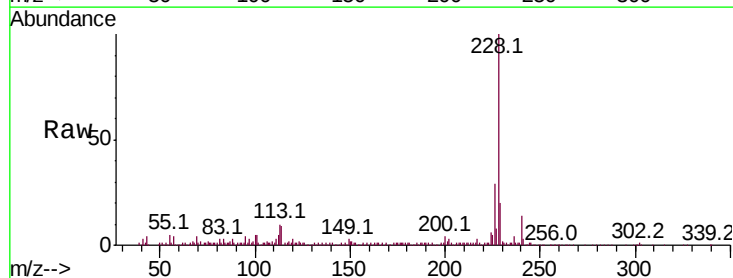
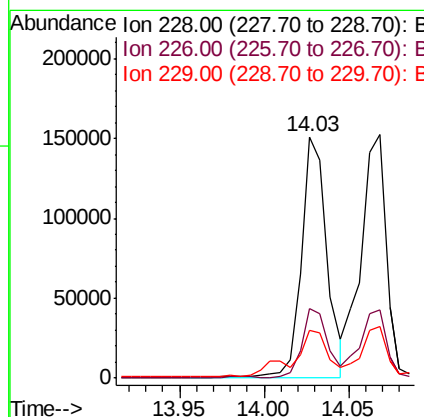
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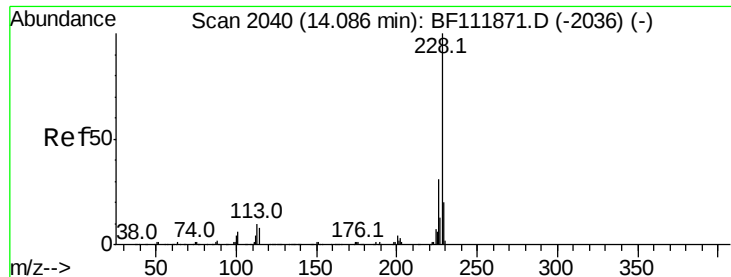
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#81
Benzo(a)anthracene
Concen: 11.700 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Tgt Ion:	228	Resp:	157576
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.2	33.2
229	19.9	16.2	24.2





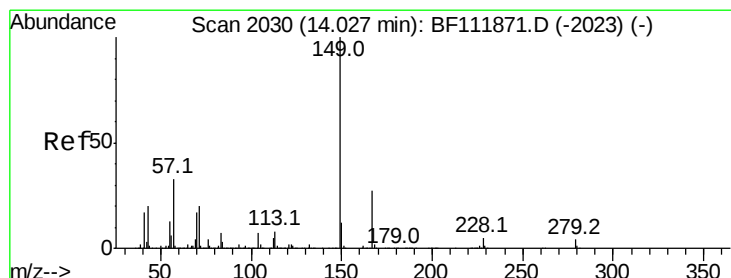
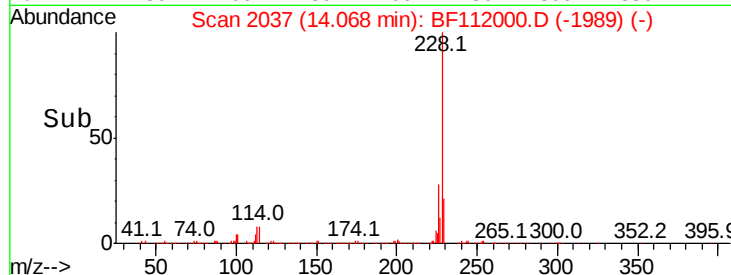
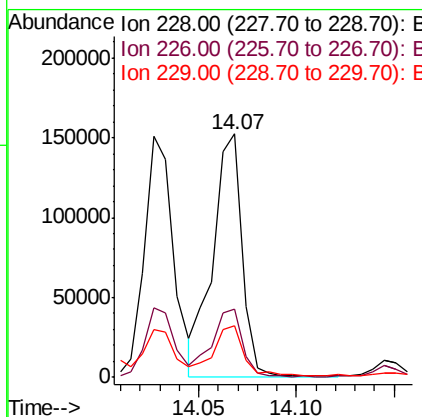
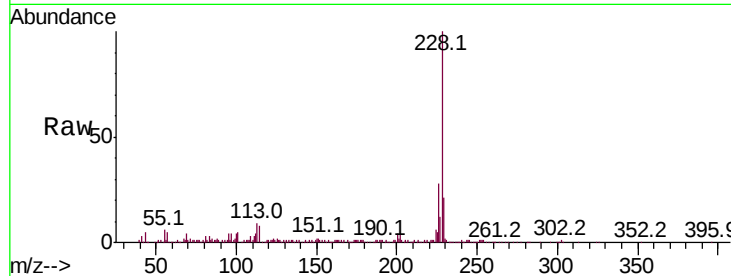
#83
 Chrvsene
 Concen: 12.298 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.02 min
 Lab File: BF112000.D
 Acq: 10 Jan 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.6	37.0
229	21.1	15.7	23.5

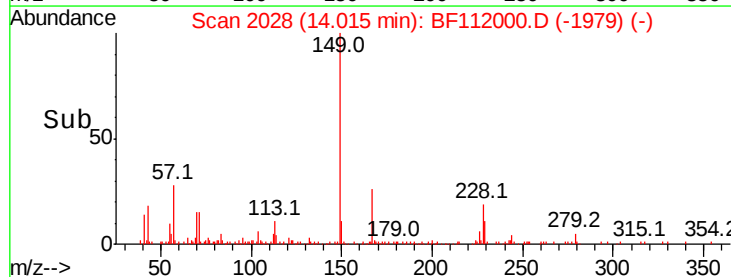
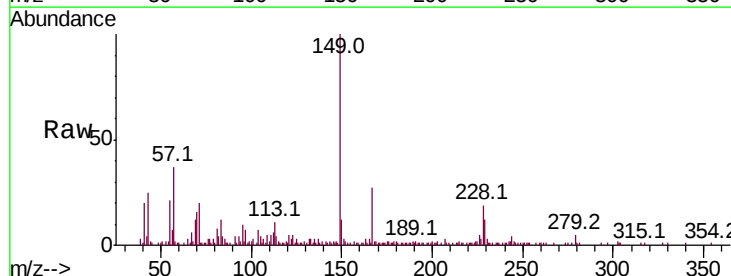
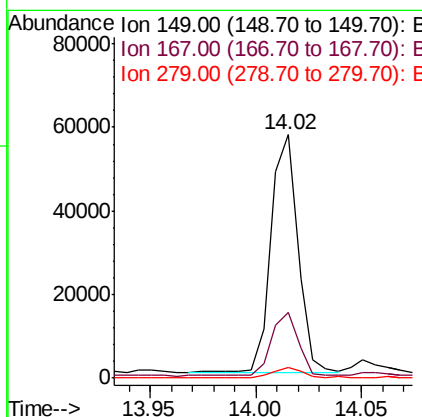
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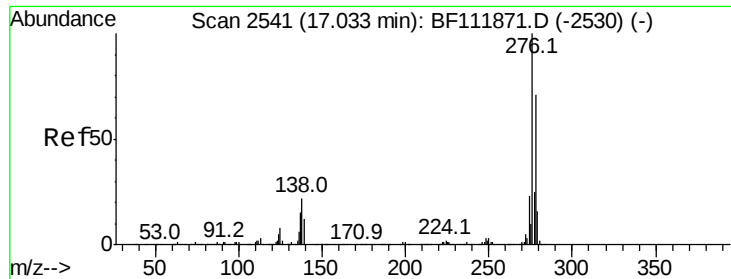
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.684 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF112000.D
 Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.5	32.3
279	4.6	3.0	4.6#





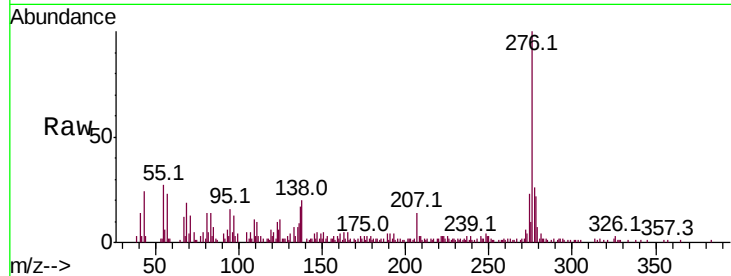
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.873 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.03 min
 Lab File: BF112000.D
 Acq: 10 Jan 2019 21:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-(1-10)-COMP

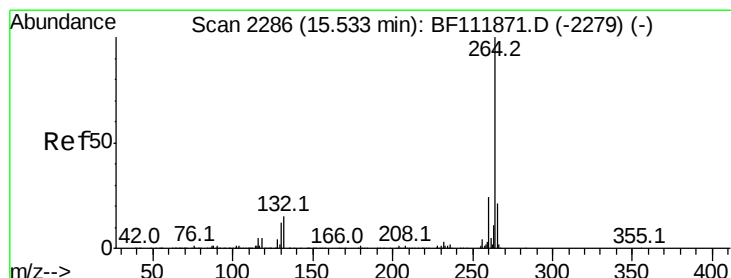
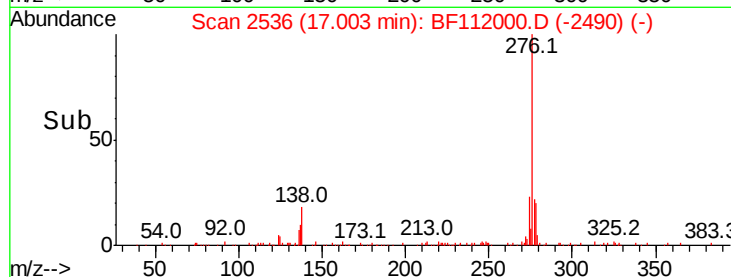
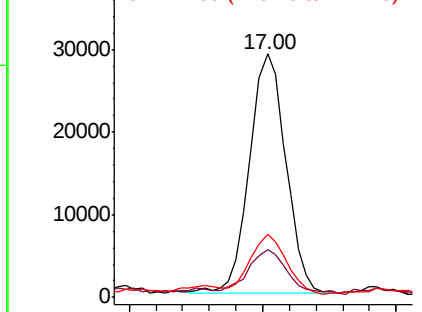
Tot Ion:276	Resp:	54977
Ion Ratio	Lower	Upper
276 100		
138 20.3	18.1	27.1
277 25.5	19.9	29.9

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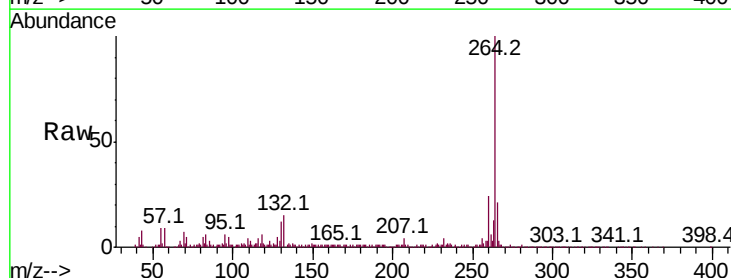


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

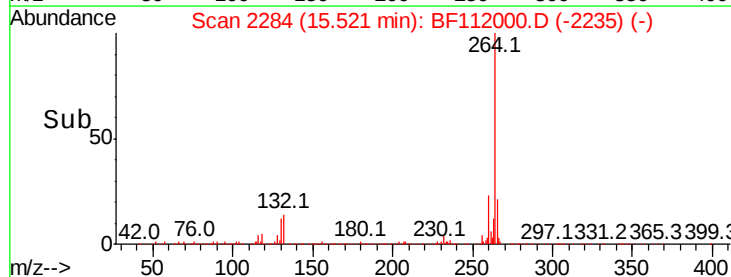
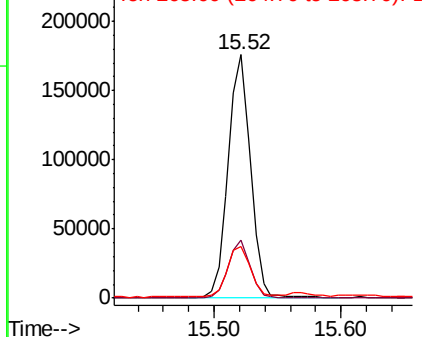


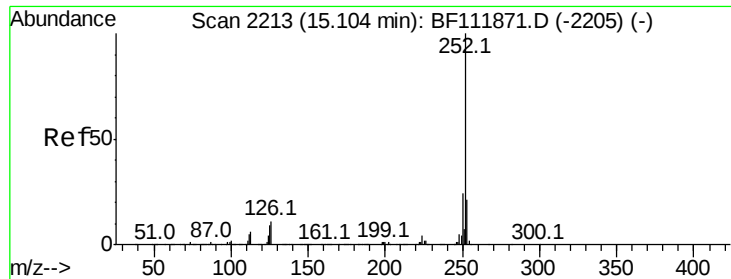
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF112000.D
 Acq: 10 Jan 2019 21:05

Tgt Ion:264	Resp:	211549
Ion Ratio	Lower	Upper
264 100		
260 23.6	19.2	28.8
265 21.2	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





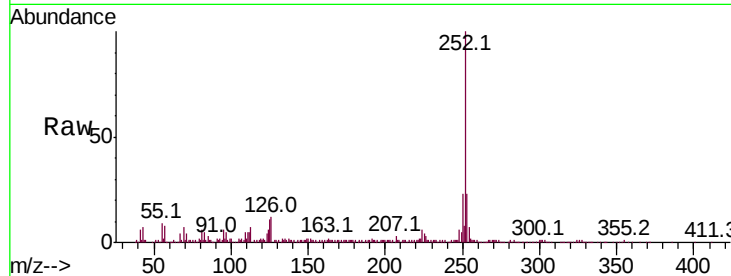
#88
Benzo(b)fluoranthene
Concen: 16.372 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	11.3	7.1	10.7

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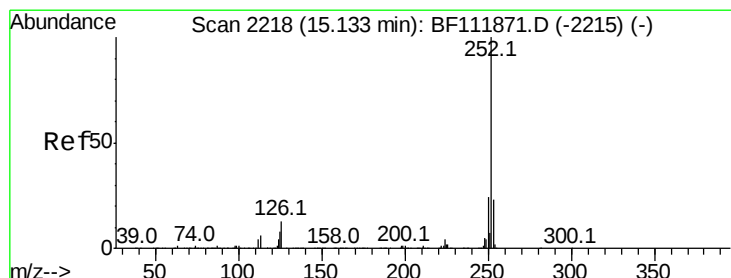
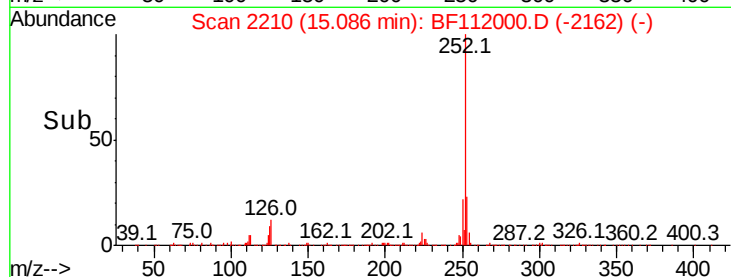
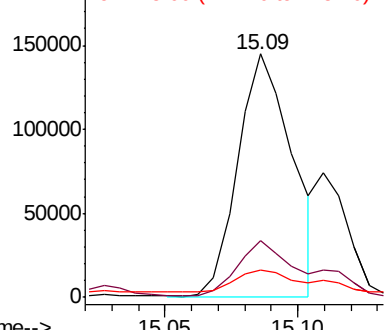


Abundance

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: 5.199 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

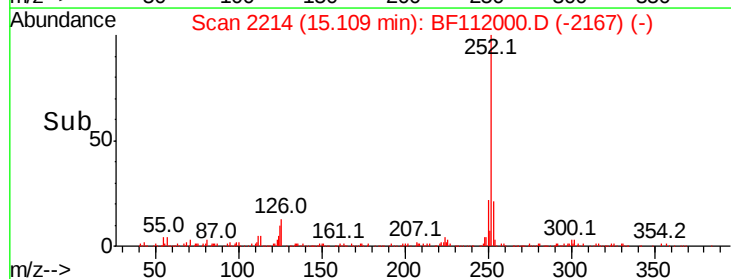
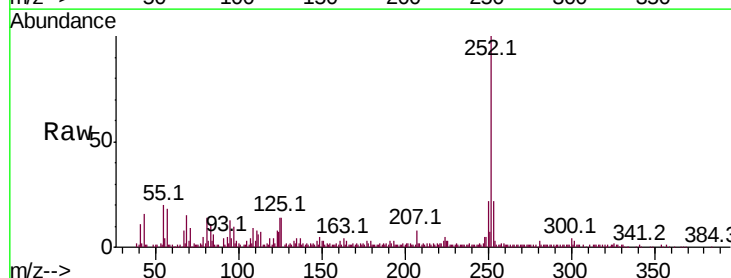
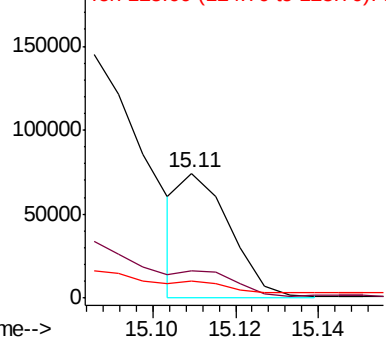
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	13.6	7.0	10.4

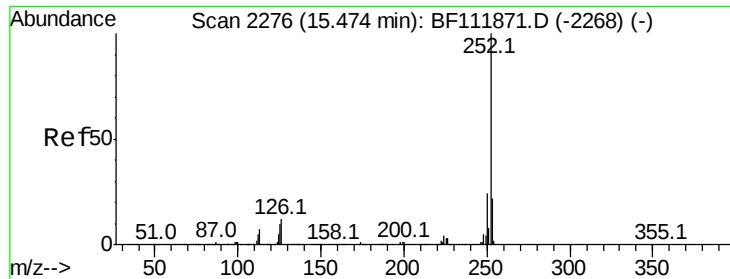
Abundance

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





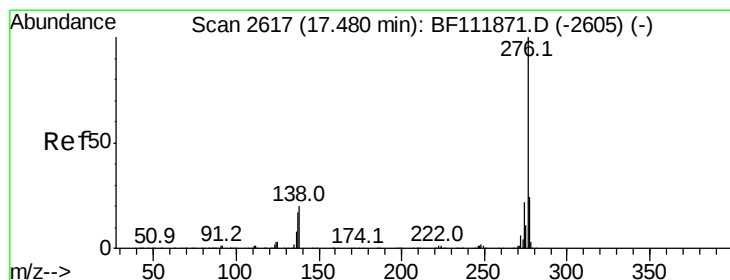
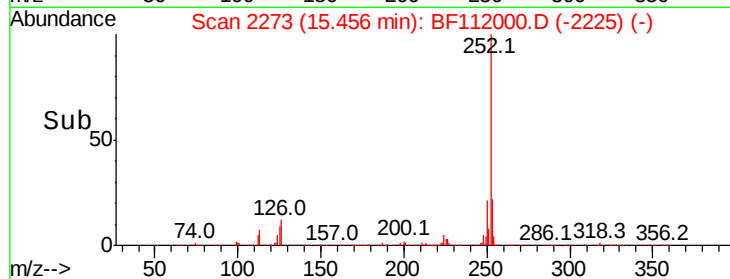
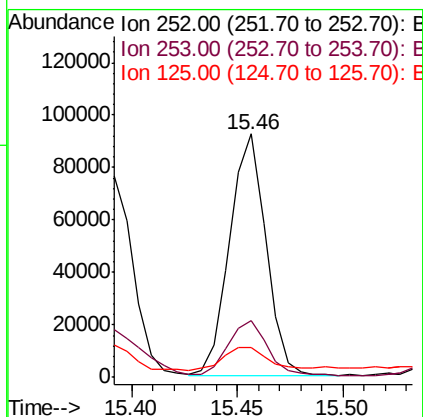
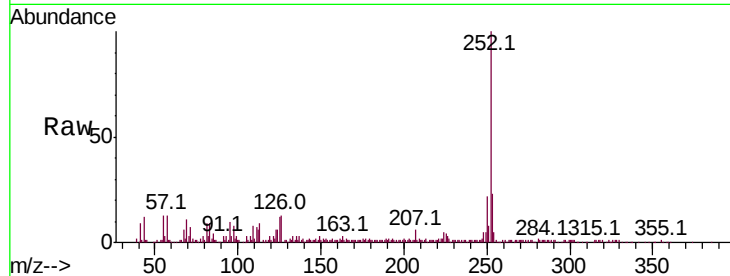
#90
Benzo(a)pyrene
Concen: 9.913 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	12.2	7.9	11.9

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#92
Benzo(g,h,i)perylene
Concen: 6.419 ng
RT: 17.46 min Scan# 2613
Delta R.T. -0.02 min
Lab File: BF112000.D
Acq: 10 Jan 2019 21:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.0	28.6
138	20.4	16.2	24.2

