

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095015.D
 Acq On : 9 May 2017 10:30
 Operator : SJ/MA
 Sample : I2947-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Manual Integrations
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mohammad
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Quant Time: May 09 13:32:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	107747	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	427101	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	169868	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	295814	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	232941	20.00	ng	-0.02
86) Perylene-d12	20.30	264	182993	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	643278	99.54	ng	-0.02
7) Phenol-d6	7.25	99	822866	106.12	ng	-0.03
23) Nitrobenzene-d5	8.61	82	473868	69.96	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	132104	94.96	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	753870	63.88	ng	-0.02
78) Terphenyl-d14	17.29	244	474285	44.85	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.27	94	18510	2.27	ng	# 51
48) Acenaphthylene	12.34	152	48708	2.69	ng	98
49) Dimethylphthalate	12.20	163	141682	10.16	ng	97
70) Phenanthrene	15.00	178	47190	2.78	ng	94
74) Fluoranthene	16.74	202	225945	12.96	ng	99
77) Pyrene	17.04	202	200578	11.51	ng	98
80) Benzo(a)anthracene	18.62	228	147650m	10.89	ng	
82) Chrysene	18.67	228	169078	12.90	ng	99
85) Indeno(1,2,3-cd)pyrene	21.59	276	76449	7.18	ng	96
87) Benzo(b)fluoranthene	19.89	252	213642m	18.89	ng	
88) Benzo(k)fluoranthene	19.92	252	67456m	6.18	ng	
89) Benzo(a)pyrene	20.24	252	135031	12.94	ng	100
90) Dibenzo(a,h)anthracene	21.59	278	21429m	2.49	ng	
91) Benzo(g,h,i)perylene	21.96	276	66737	7.89	ng	97

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



#1

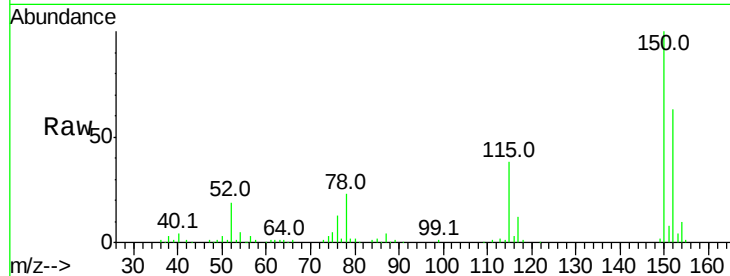
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

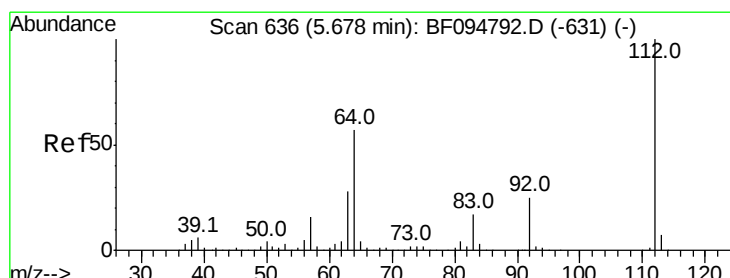
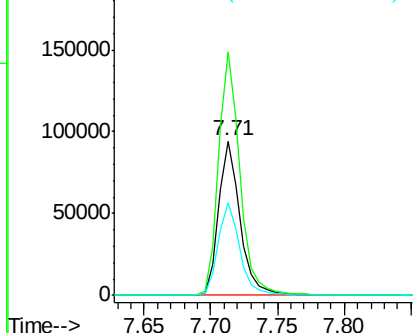
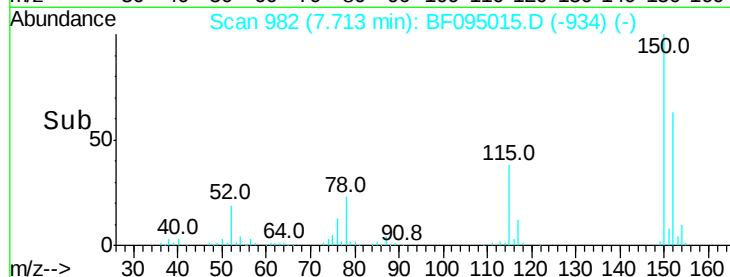
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	60.3	52.2	78.2

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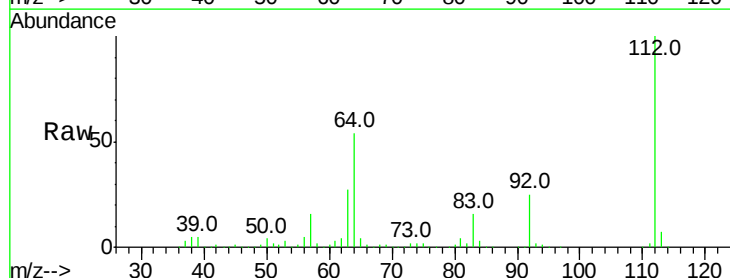
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



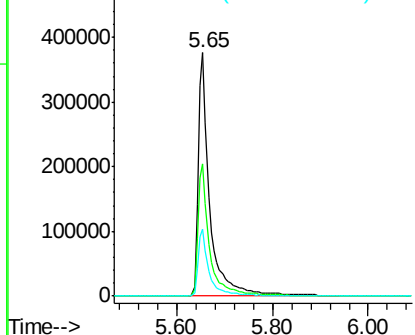
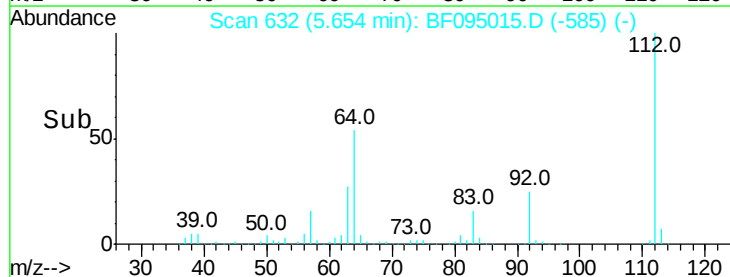
#5

2-Fluorophenol
Concen: 99.54 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	27.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.12 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF095015.D

Acq: 9 May 2017 10:30

Instrument :

BNA_F

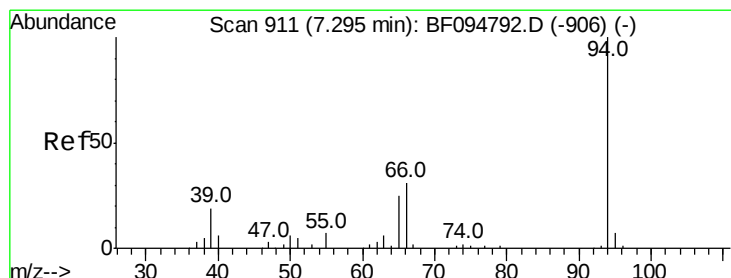
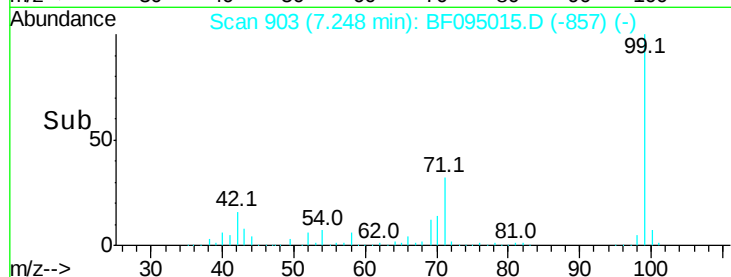
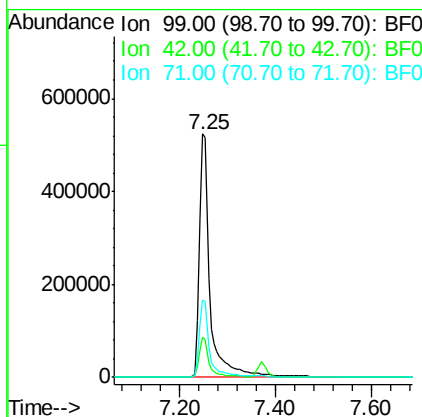
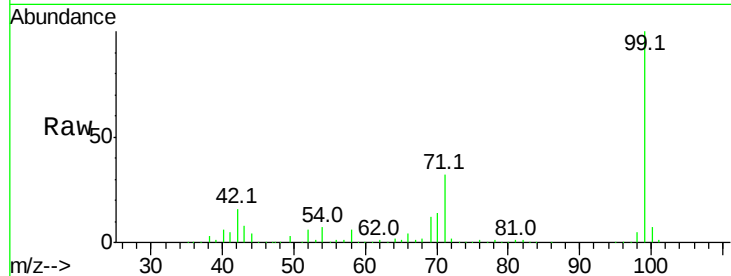
ClientSampleId :

SB-05-COMP

Tot Ion:	99	Resp:	822866
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	31.9	24.5	36.7

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#10

Phenol

Concen: 2.27 ng

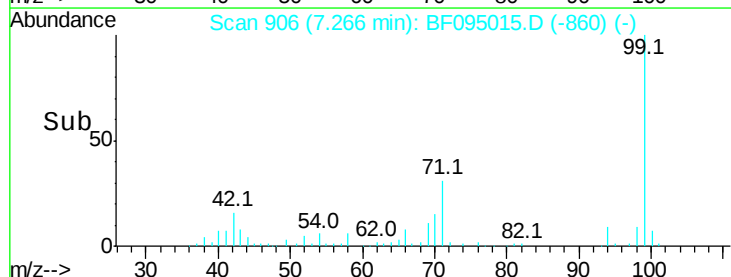
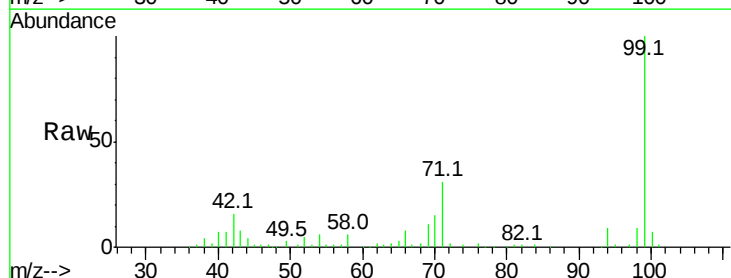
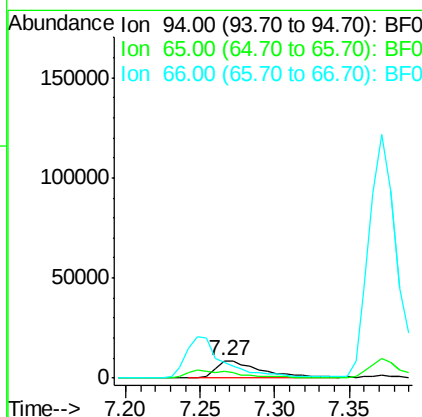
RT: 7.27 min Scan# 906

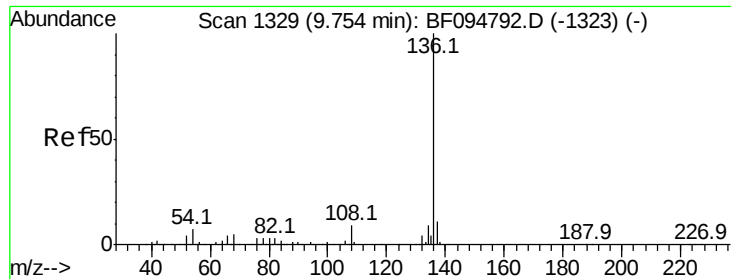
Delta R.T. -0.03 min

Lab File: BF095015.D

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Tgt Ion:	94	Resp:	18510
Ion Ratio	Lower	Upper	
94	100		
65	37.9	9.9	49.9
66	89.2	23.1	63.1#





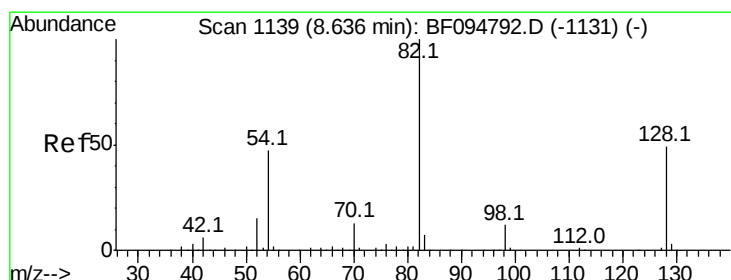
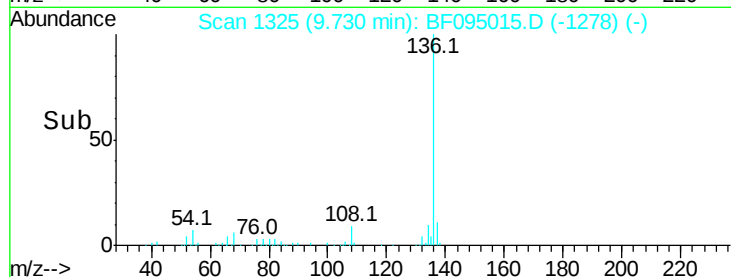
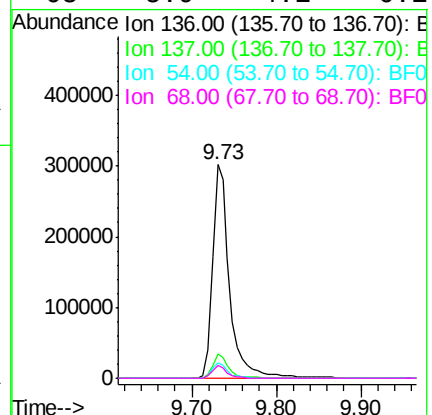
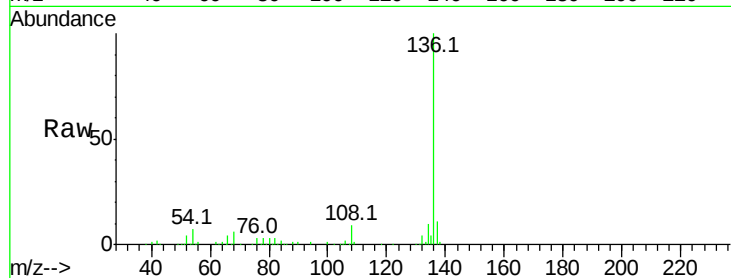
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.73 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	427101		
137	11.2	8.5	12.7	
54	7.5	4.9	7.3	
68	5.9	4.1	6.1	

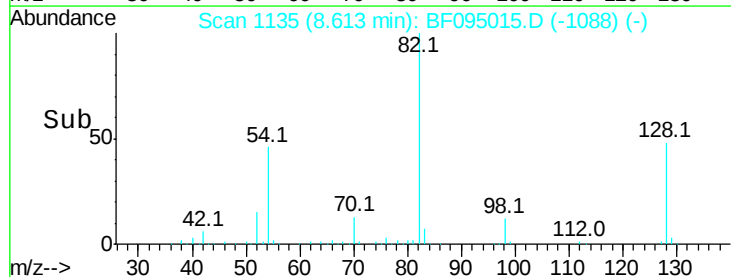
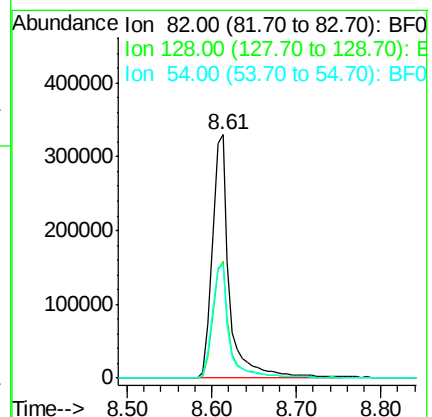
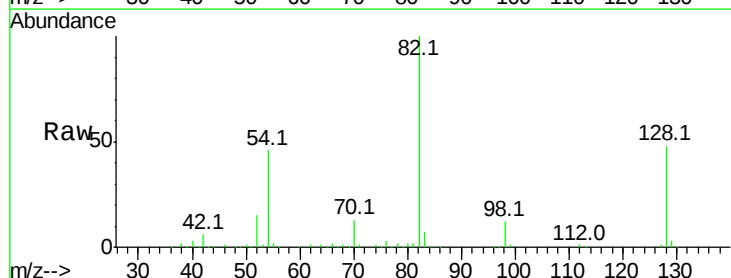
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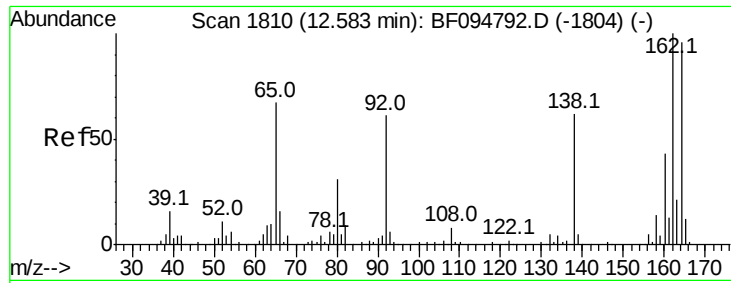
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#23
Nitrobenzene-d5
Concen: 69.96 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	473868		
128	48.0	34.0	51.0	
54	46.3	42.2	63.2	





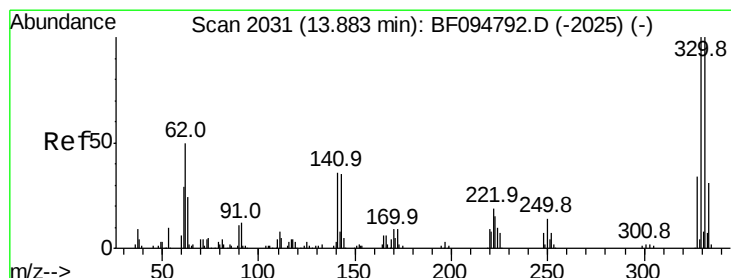
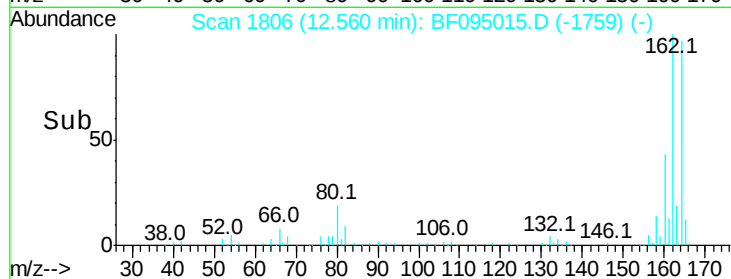
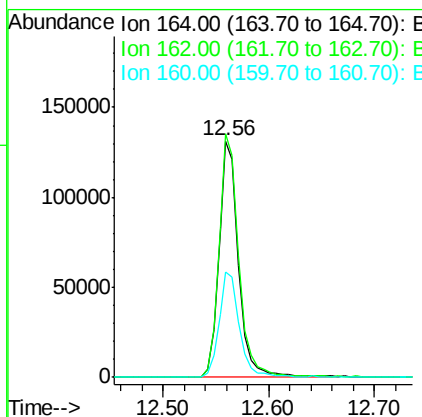
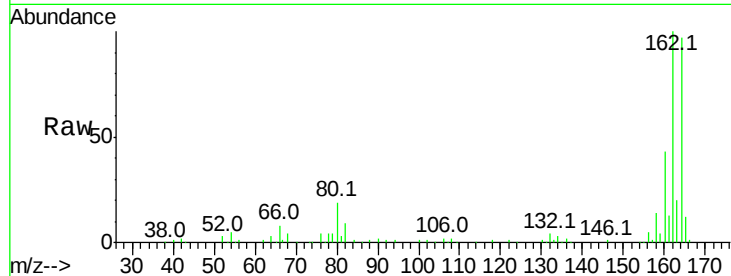
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	169868		
162	103.1	82.6	123.8	
160	44.5	36.2	54.2	

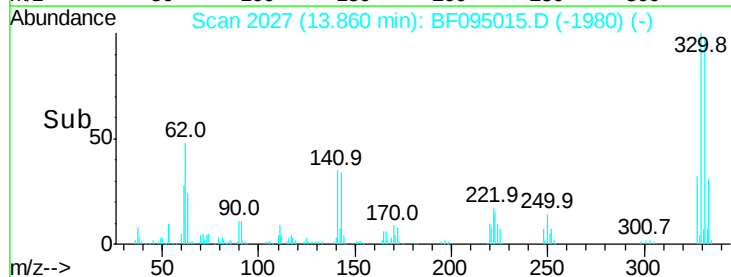
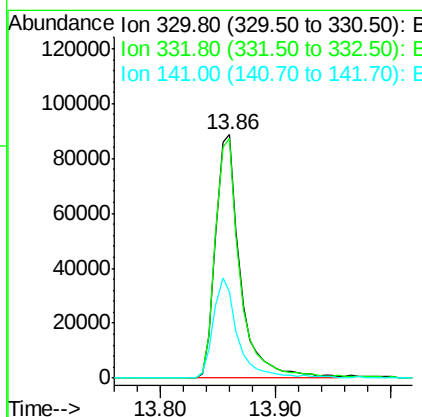
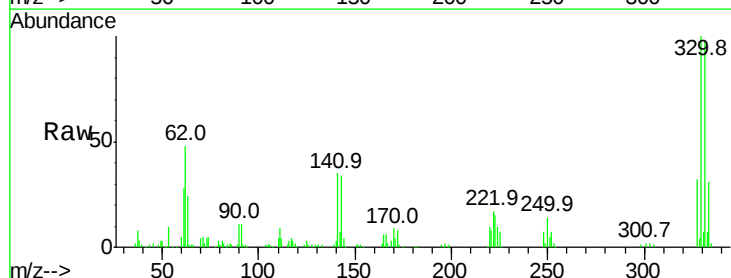
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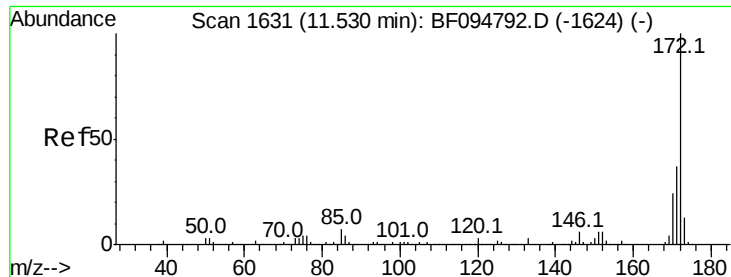
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#41
2,4,6-Tribromophenol
Concen: 94.96 ng
RT: 13.86 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	132104		
332	99.5	76.6	115.0	
141	40.2	31.4	47.2	





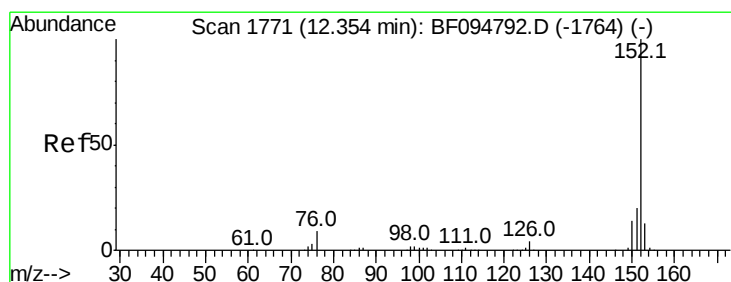
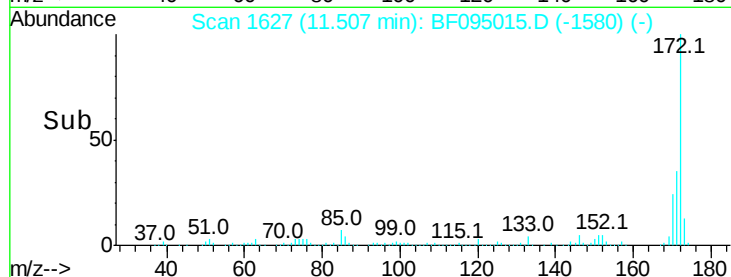
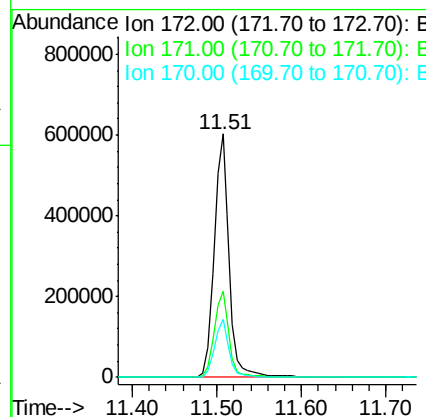
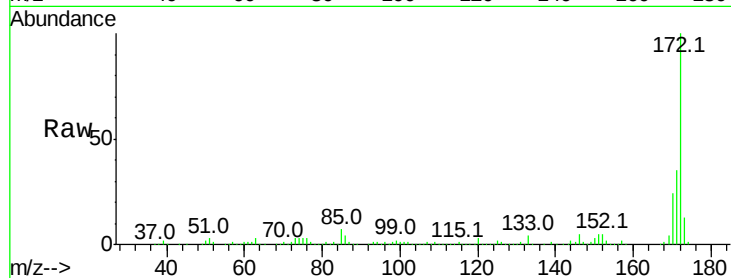
#44
2-Fluorobiphenyl
Concen: 63.88 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.6	44.4	
170	23.6	19.8	29.8	

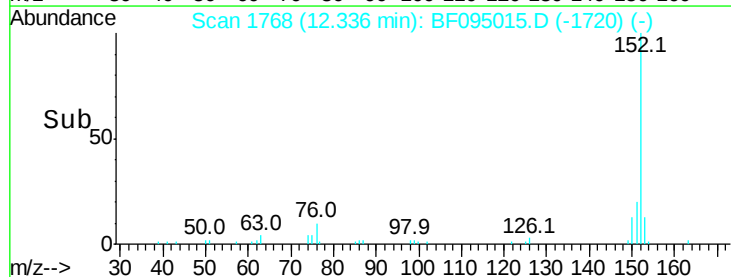
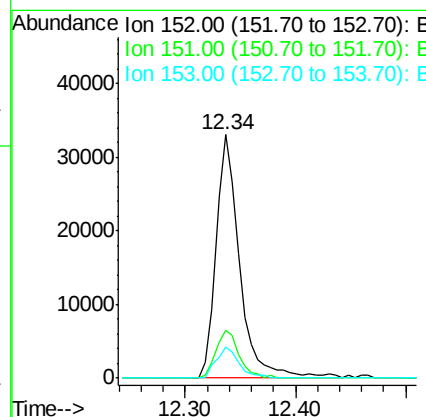
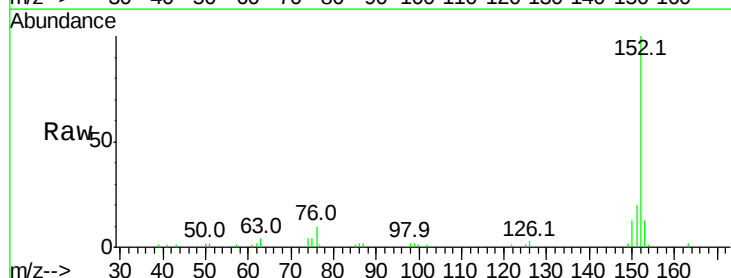
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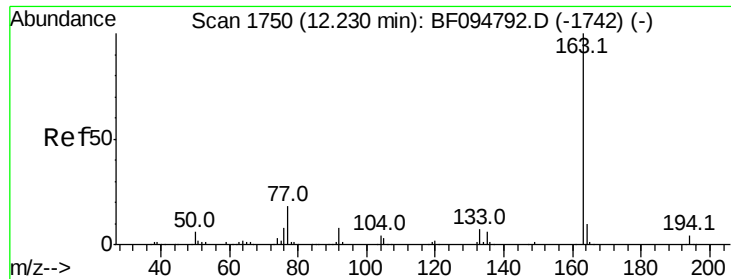
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#48
Acenaphthylene
Concen: 2.69 ng
RT: 12.34 min Scan# 1768
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.5	16.8	25.2	
153	12.9	10.8	16.2	





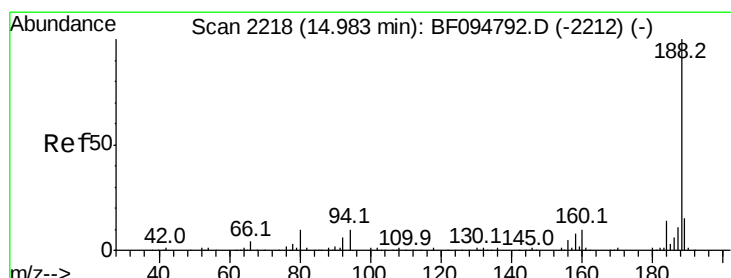
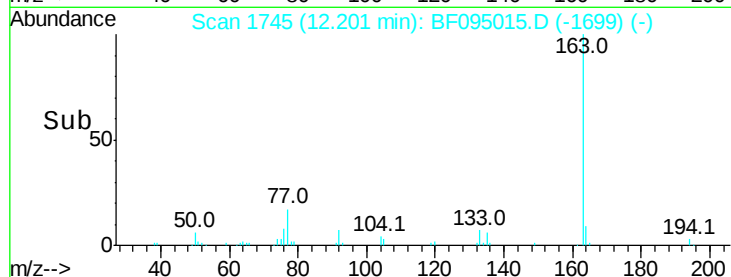
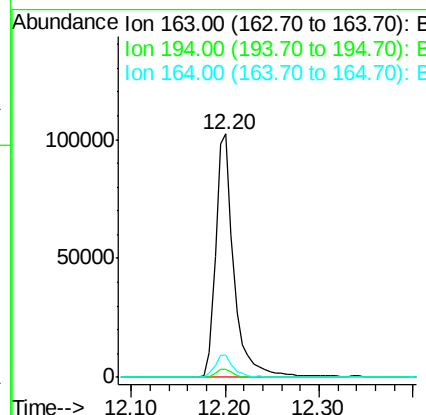
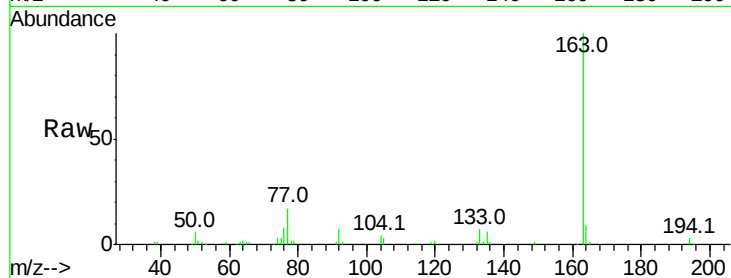
#49
Dimethylphthalate
Concen: 10.16 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	141682		
194	3.5	2.6	4.0	
164	9.3	8.4	12.6	

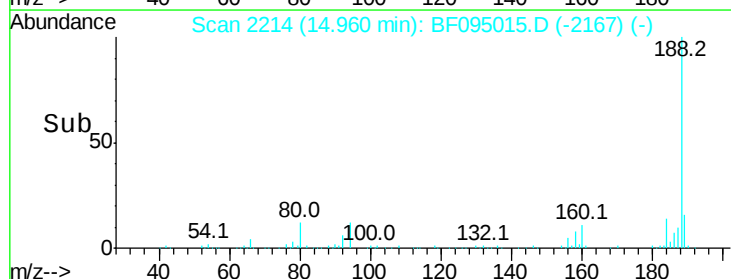
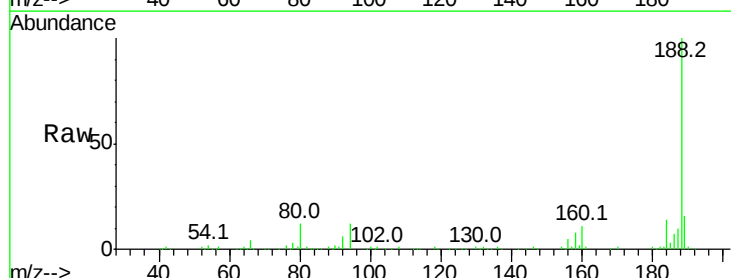
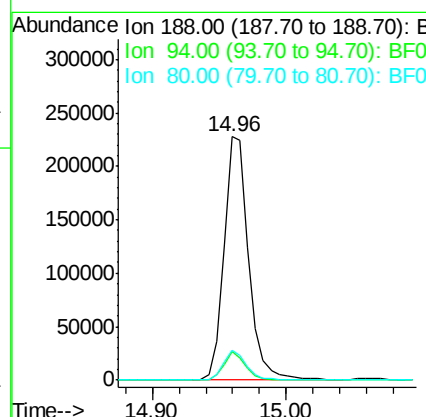
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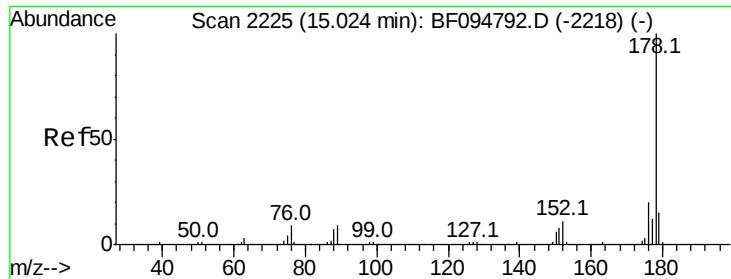
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	295814		
94	11.9	9.4	14.2	
80	12.4	10.2	15.2	





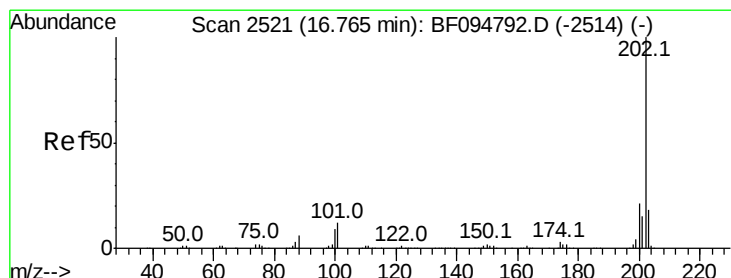
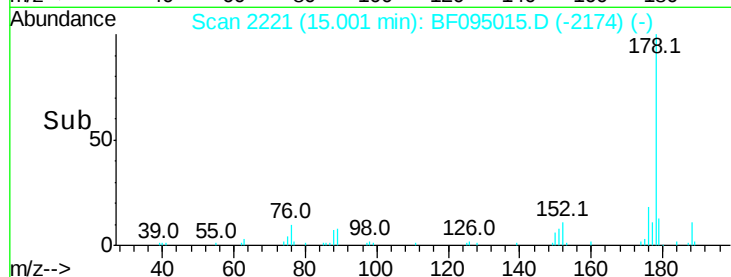
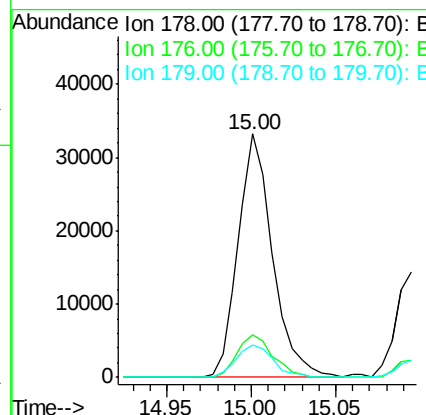
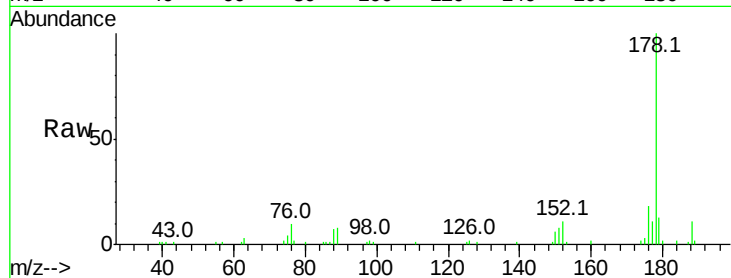
#70
Phenanthrene
Concen: 2.78 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.2	24.4
179	13.4	12.6	19.0

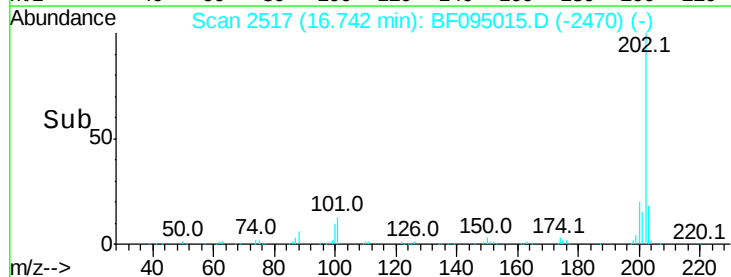
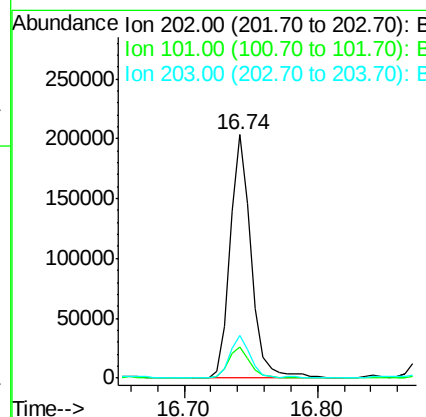
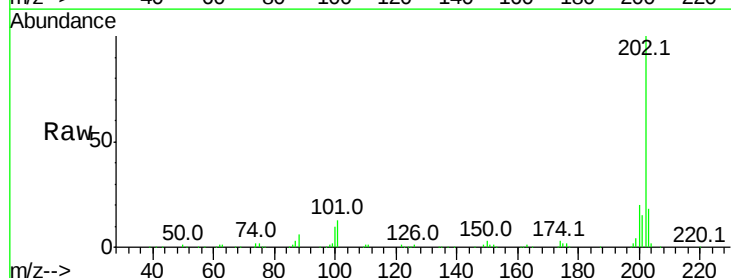
Manual Integrations
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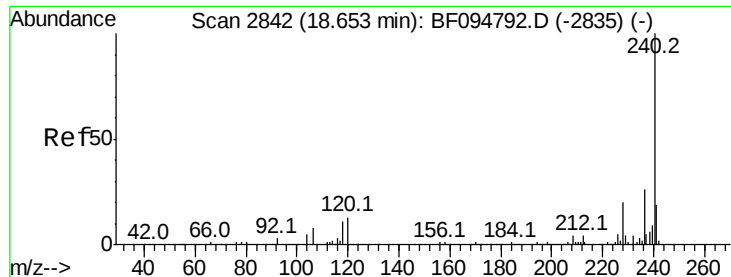
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#74
Fluoranthene
Concen: 12.96 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095015.D

Acq: 9 May 2017 10:30

Instrument :

BNA_F

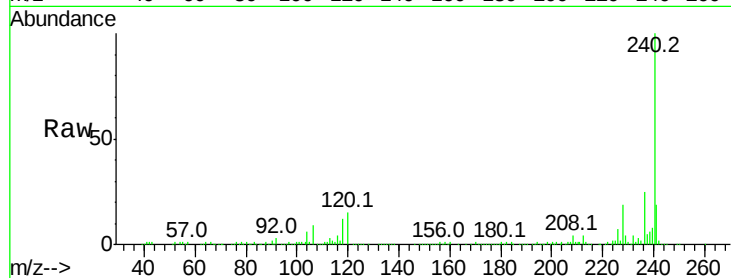
ClientSampleId :

SB-05-COMP

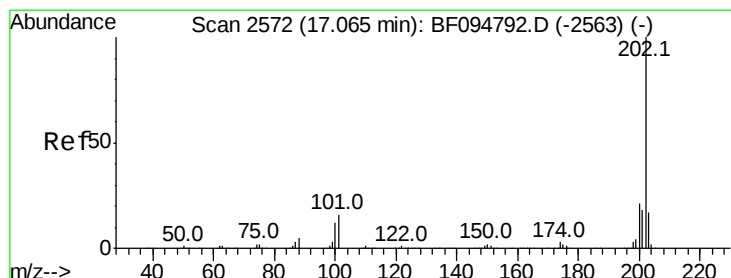
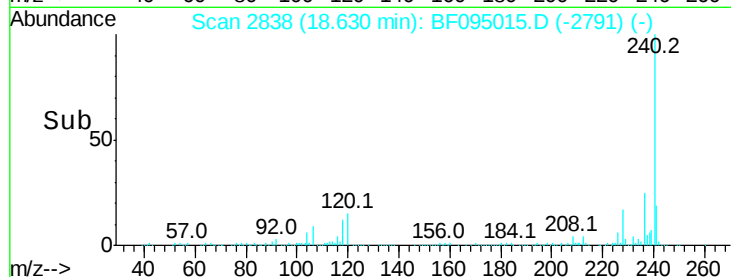
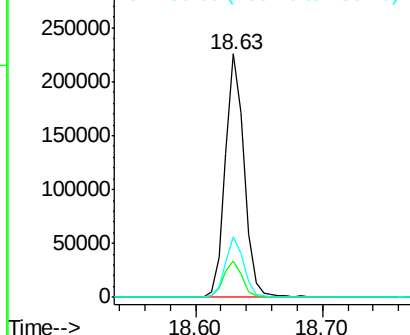
Tot Ion:	240	Resp:	232941
Ion Ratio	Lower	Upper	
240	100		
120	14.8	5.8	8.8#
236	24.9	20.5	30.7

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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



#77

Pyrene

Concen: 11.51 ng

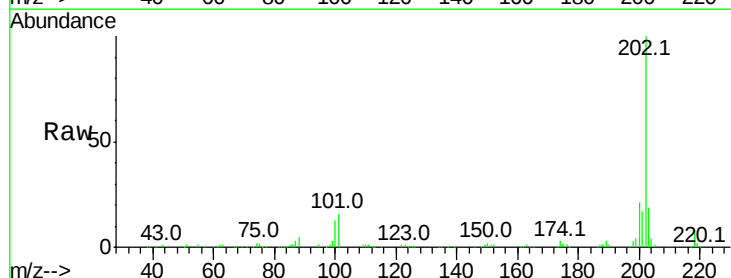
RT: 17.04 min Scan# 2568

Delta R.T. -0.02 min

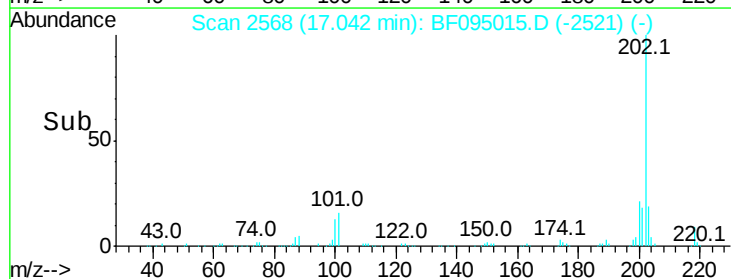
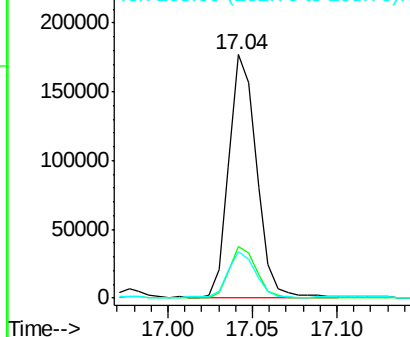
Lab File: BF095015.D

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Tgt Ion:	202	Resp:	200578
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	19.0	14.4	21.6



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





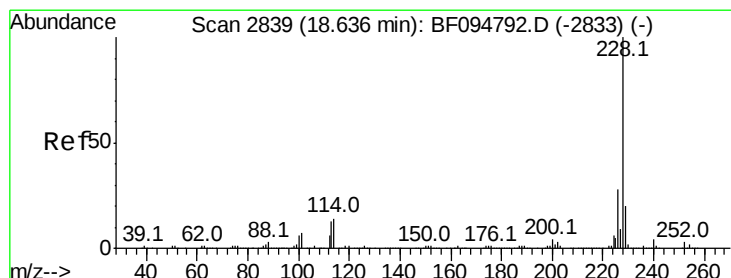
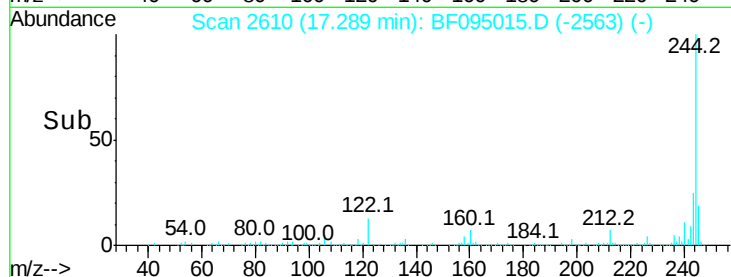
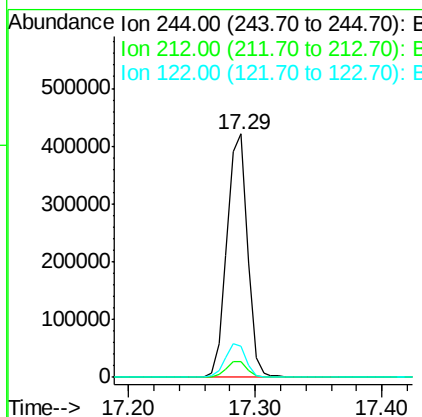
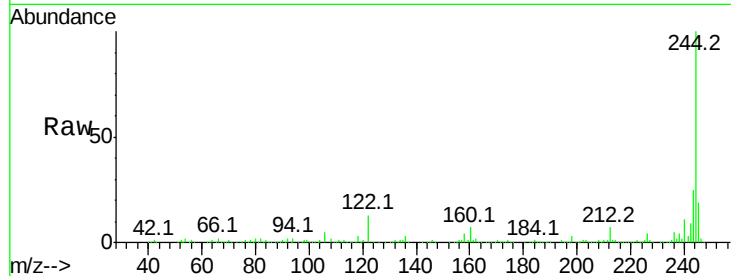
#78
 Terphenyl-d14
 Concen: 44.85 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF095015.D
 Acq: 9 May 2017 10:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	12.6	10.3	15.5

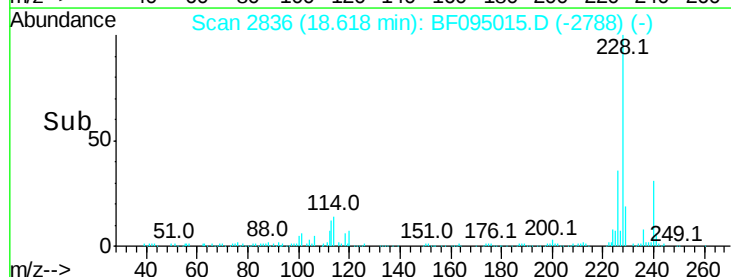
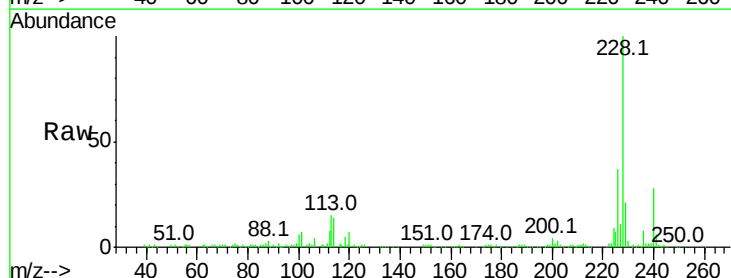
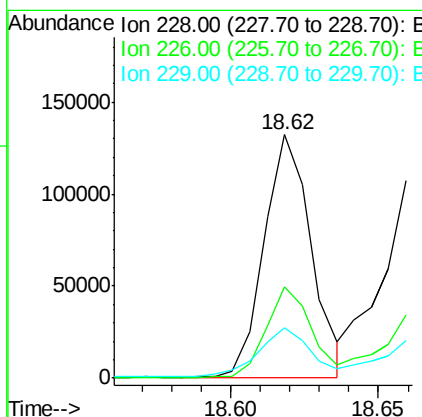
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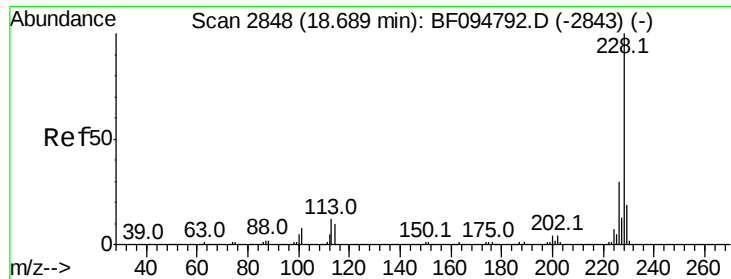
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#80
 Benzo(a)anthracene
 Concen: 10.89 ng m
 RT: 18.62 min Scan# 2836
 Delta R.T. -0.02 min
 Lab File: BF095015.D
 Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.6	33.8#
229	20.6	16.3	24.5





#82

Chrysene

Concen: 12.90 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095015.D

Acq: 9 May 2017 10:30

Instrument :

BNA_F

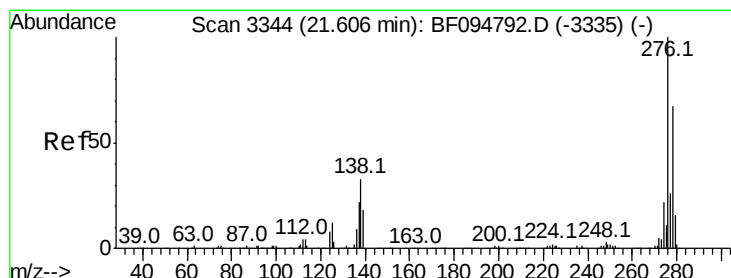
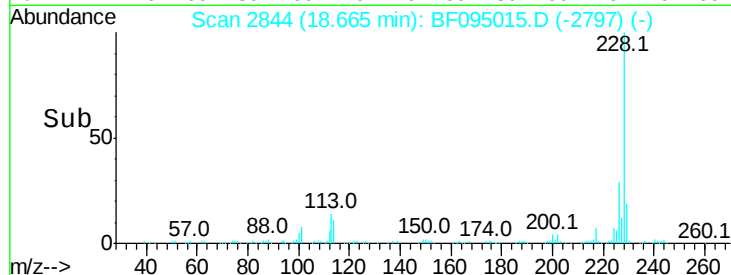
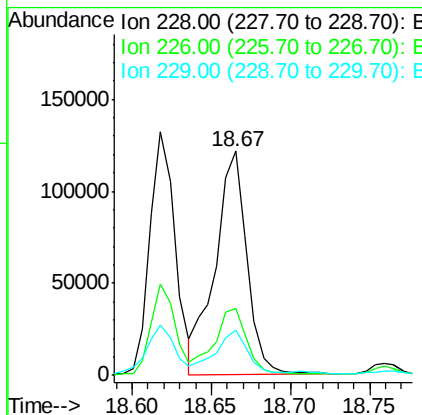
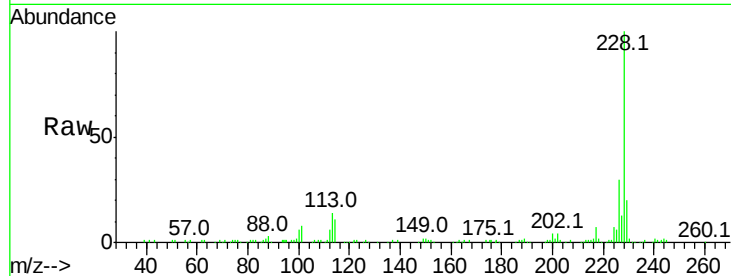
ClientSampleId :

SB-05-COMP

Tot Ion:	228	Resp:	169078
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	19.9	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.18 ng

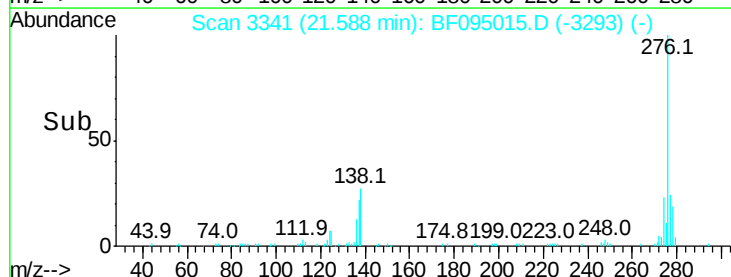
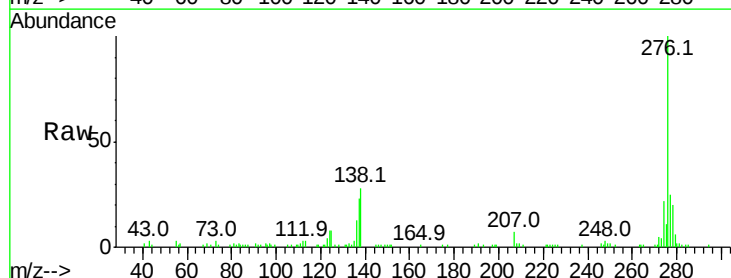
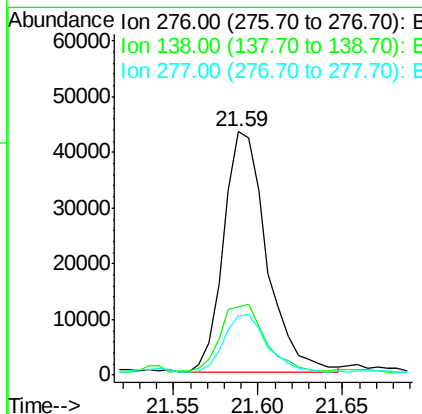
RT: 21.59 min Scan# 3341

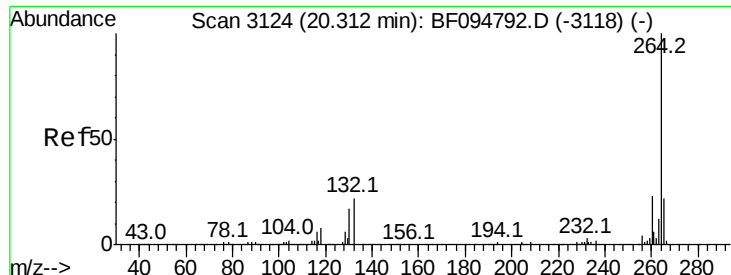
Delta R.T. -0.02 min

Lab File: BF095015.D

Acq: 9 May 2017 10:30

Tgt Ion:	276	Resp:	76449
Ion Ratio	Lower	Upper	
276	100		
138	31.2	27.8	41.6
277	24.4	20.2	30.4





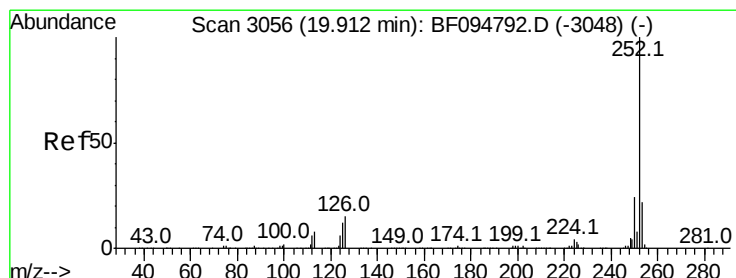
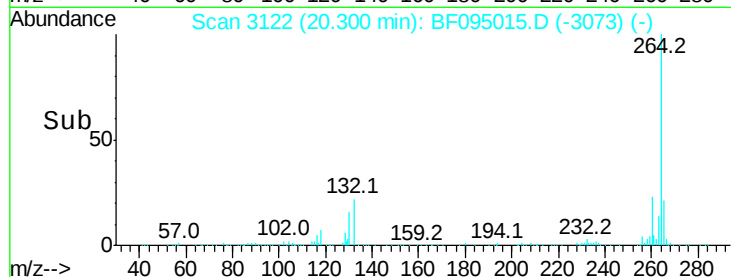
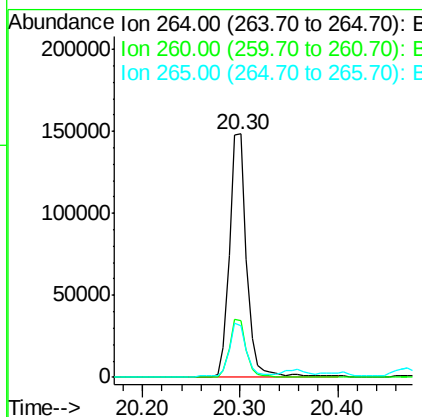
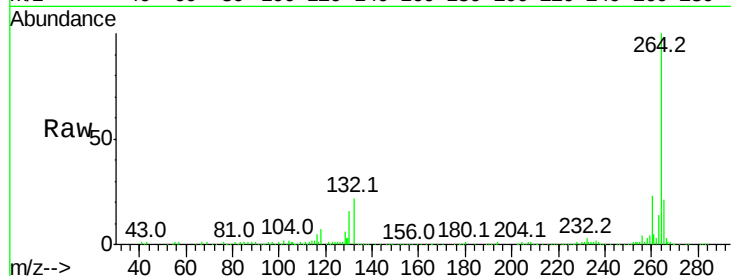
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Resp	Lower	Upper
264	100	182993		
260	23.3		19.5	29.3
265	21.0		17.2	25.8

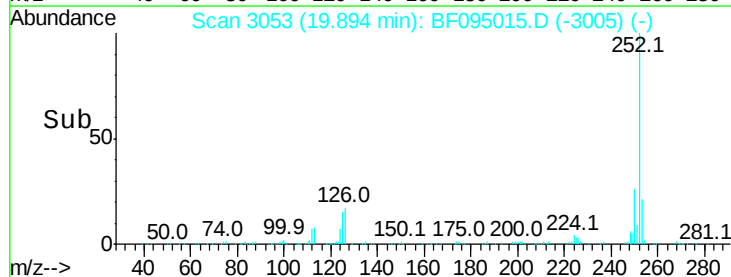
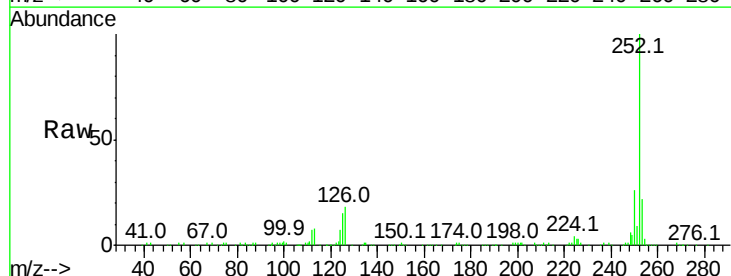
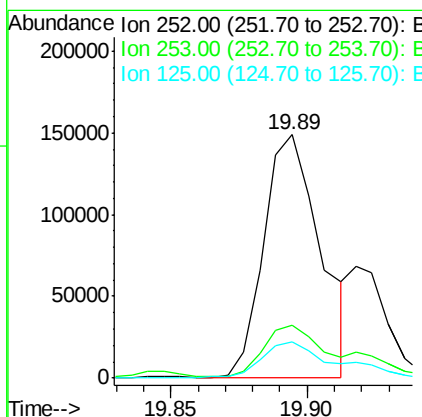
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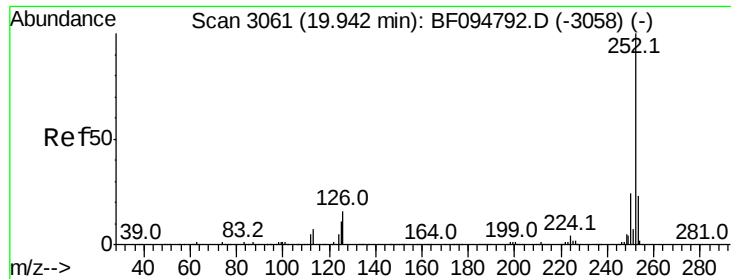
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#87
Benzo(b)fluoranthene
Concen: 18.89 ng m
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	213642		
253	21.8		18.1	27.1
125	14.9		9.8	14.8#





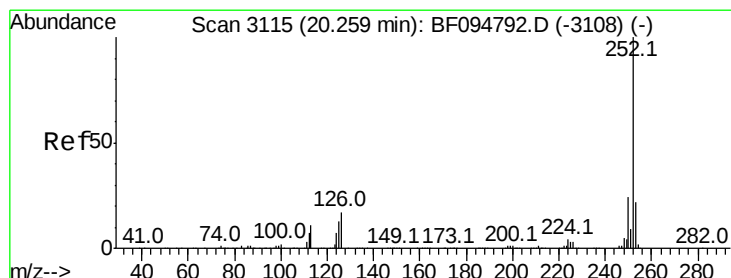
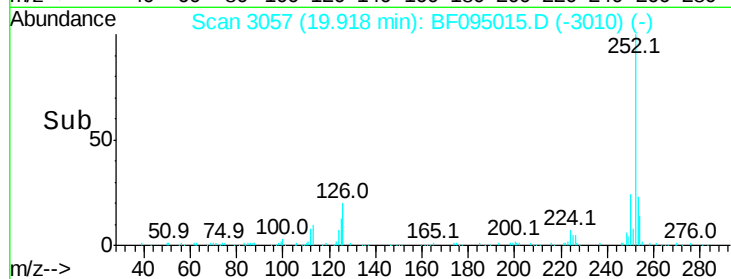
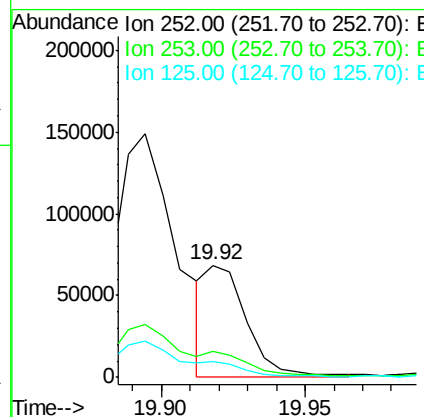
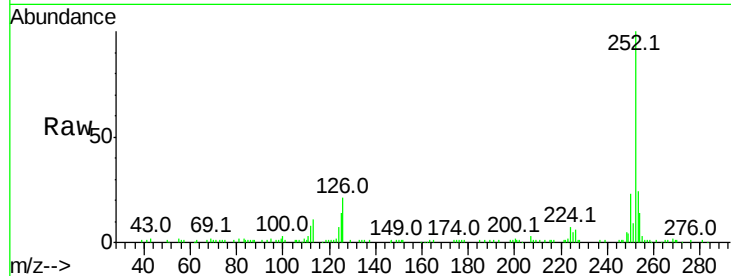
#88
Benzo(k)fluoranthene
Concen: 6.18 ng m
RT: 19.92 min Scan# 3057
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	13.7	13.1	19.7

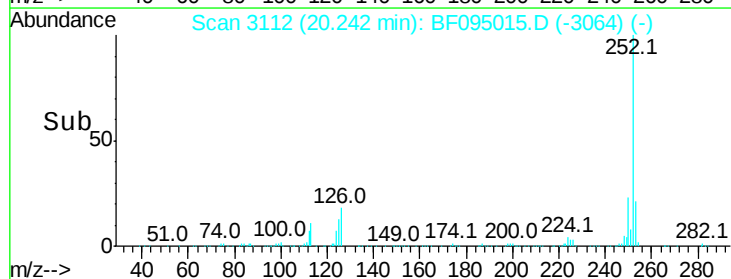
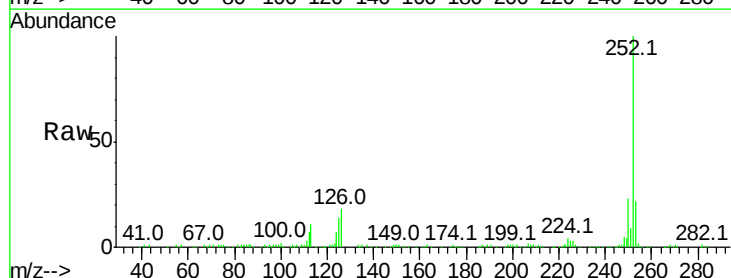
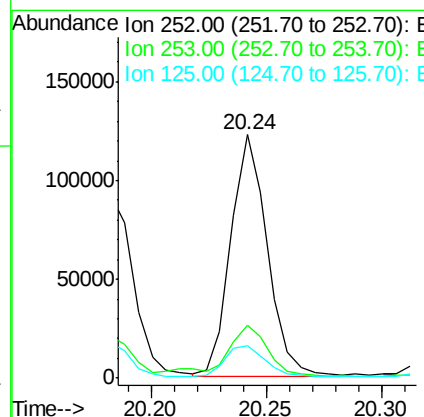
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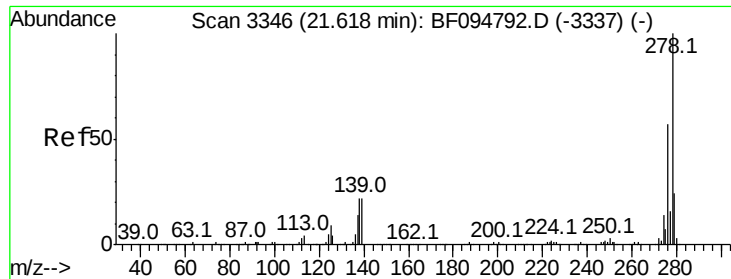
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#89
Benzo(a)pyrene
Concen: 12.94 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095015.D
Acq: 9 May 2017 10:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	13.6	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.49 ng/mL

RT: 21.59 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BF095015.D

Acq: 9 May 2017 10:30

Instrument :

BNA_F

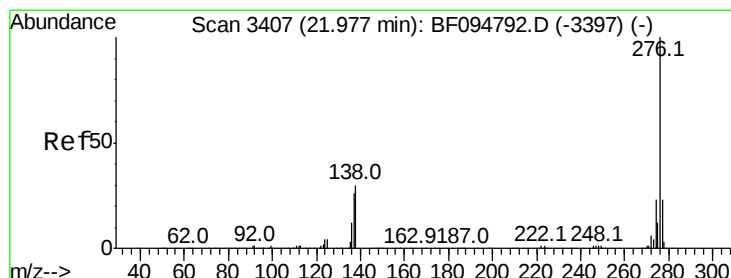
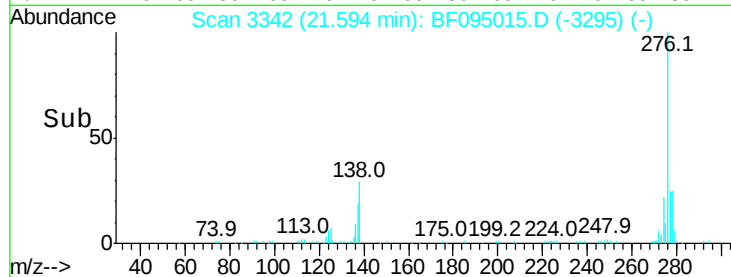
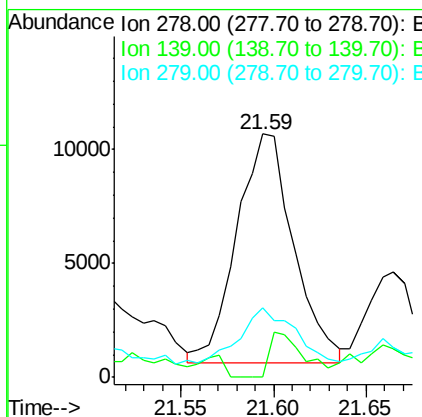
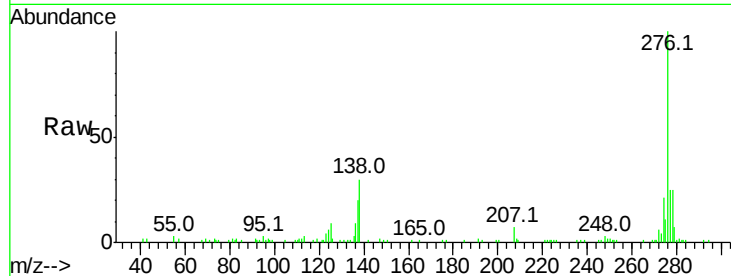
ClientSampleId :

SB-05-COMP

Tot Ion:	278	Resp:	21429
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	28.7	19.3	28.9

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 7.89 ng/mL

RT: 21.96 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF095015.D

Acq: 9 May 2017 10:30

Tgt Ion:	276	Resp:	66737
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.6	28.0
138	32.6	25.4	38.0

