

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094995.D
 Acq On : 8 May 2017 23:18
 Operator : SJ/MA
 Sample : I3040-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-5COMP

Manual Integrations
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 5/9/2017 5:02:41 PM

Quant Time: May 09 02:41:37 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	102797	20.00	ng	-0.02
21) Naphthalene-d8	9.74	136	378981	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	186729	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	302802	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	193605	20.00	ng	-0.02
86) Perylene-d12	20.30	264	178339	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	932309	151.21	ng	-0.02
7) Phenol-d6	7.26	99	1190176	160.88	ng	-0.02
23) Nitrobenzene-d5	8.62	82	704233	117.18	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	219102	143.27	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1265122	97.52	ng	-0.02
78) Terphenyl-d14	17.29	244	940895	107.04	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	12.34	152	54824	2.76	ng	99
49) Dimethylphthalate	12.20	163	119044	7.77	ng	97
70) Phenanthrene	15.00	178	47856	2.75	ng	99
74) Fluoranthene	16.74	202	252940	14.17	ng	99
77) Pyrene	17.04	202	239701	16.55	ng	96
80) Benzo(a)anthracene	18.62	228	132457m	11.76	ng	
82) Chrysene	18.67	228	154219	14.15	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	110510	12.49	ng	94
87) Benzo(b)fluoranthene	19.89	252	220658m	20.02	ng	
88) Benzo(k)fluoranthene	19.92	252	71929m	6.77	ng	
89) Benzo(a)pyrene	20.24	252	156328	15.37	ng	96
90) Dibenzo(a,h)anthracene	21.59	278	29677m	3.53	ng	
91) Benzo(a,h,i)perylene	21.96	276	102730	12.47	ng	96

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

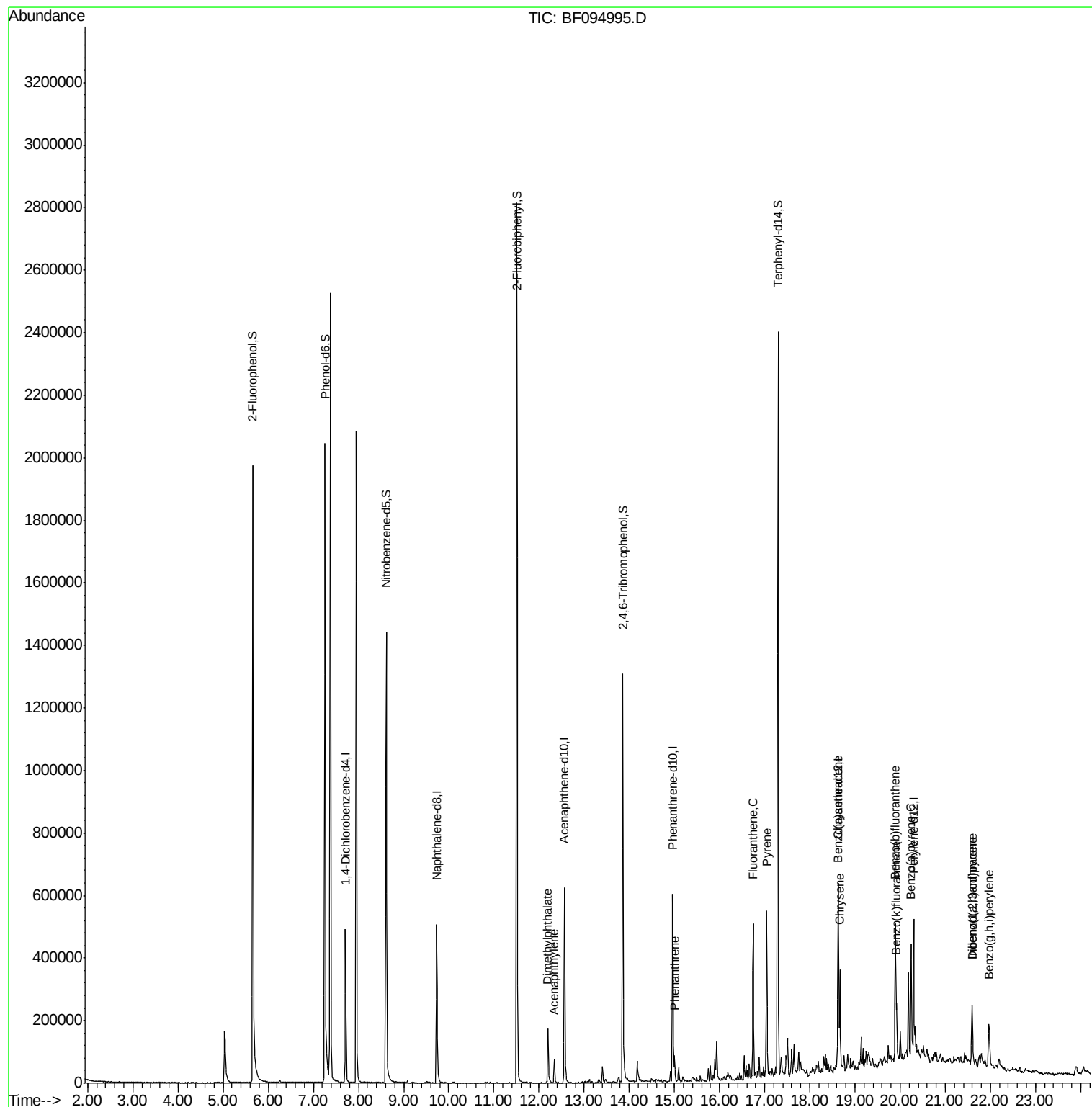
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094995.D
Acq On : 8 May 2017 23:18
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Sample : I3040-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

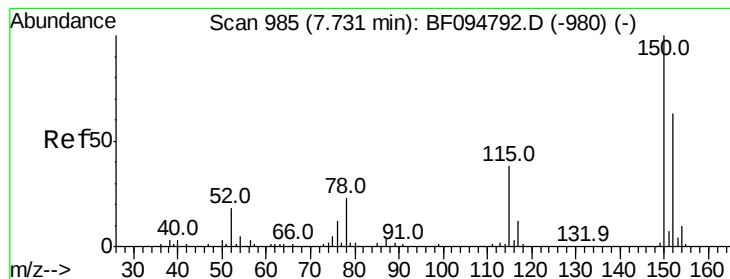
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

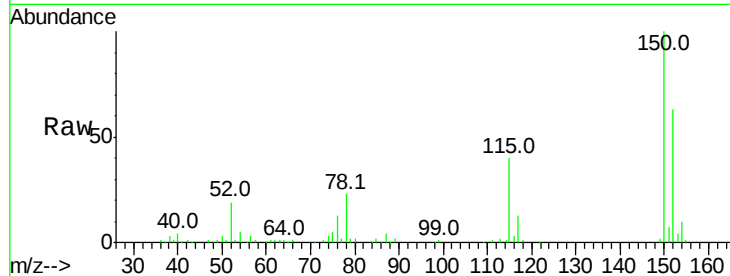
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

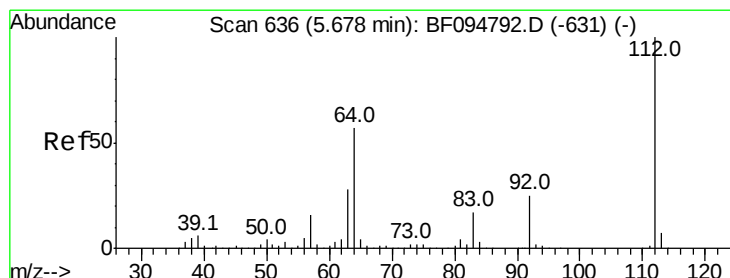
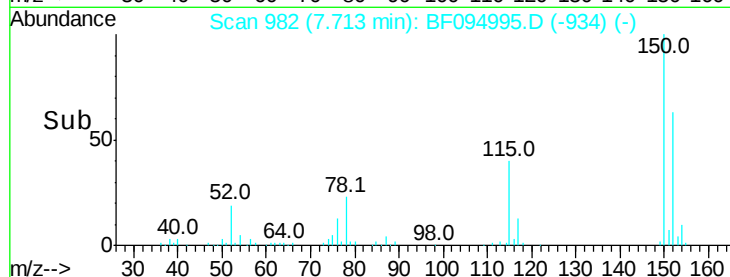
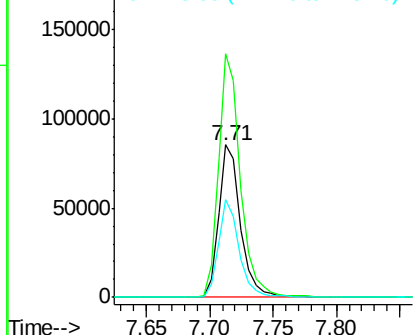
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.2	189.2
115	63.9	52.2	78.2

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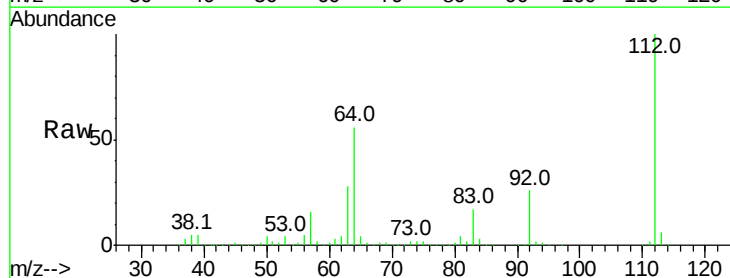
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



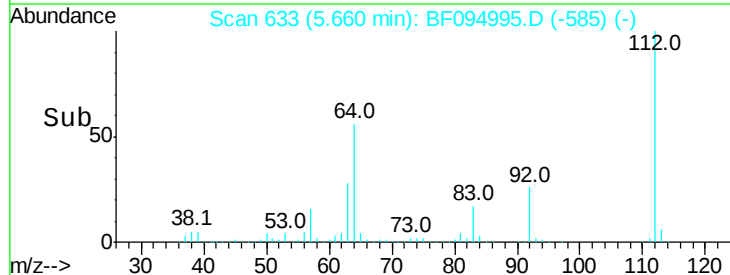
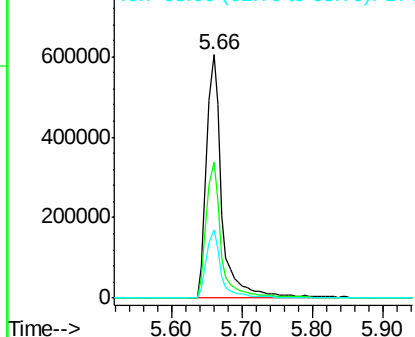
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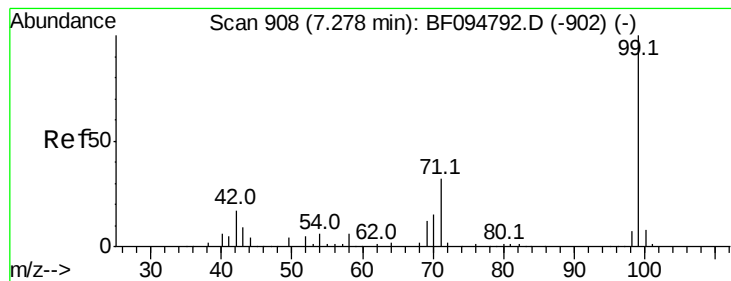
2-Fluorophenol
Concen: 151.21 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	46.0	69.0
63	27.8	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: 160.88 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

ClientSampled :

TP-4-5COMP

Tot Ion: 99 Resp: 1190176

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

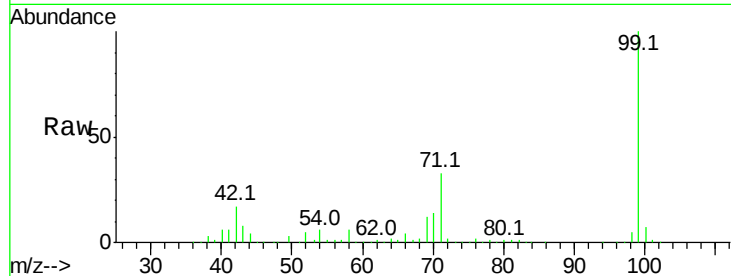
71 32.7 24.5 36.7

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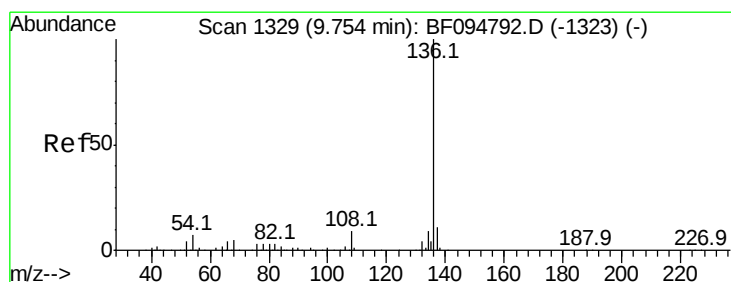
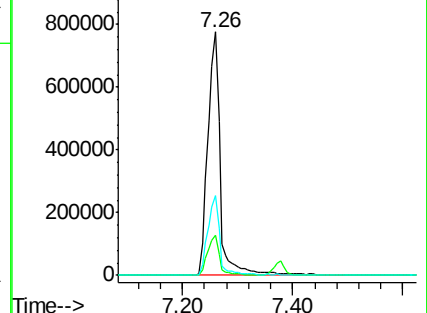
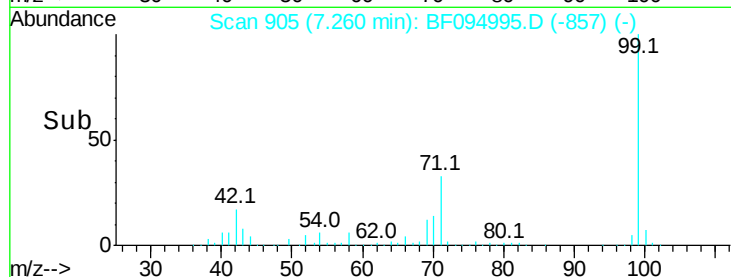
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Tgt Ion: 136 Resp: 378981

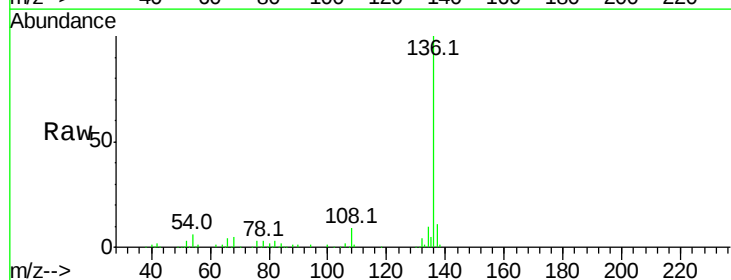
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.2 4.9 7.3

68 4.9 4.1 6.1

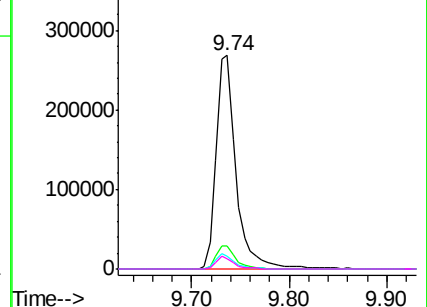
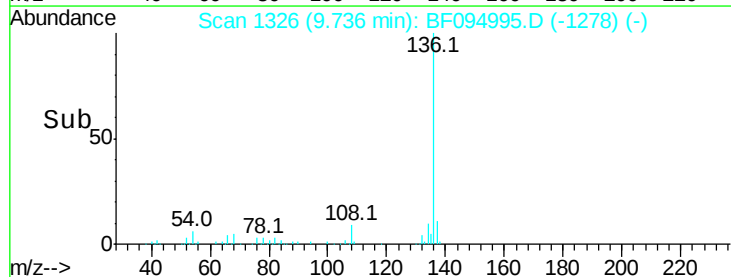


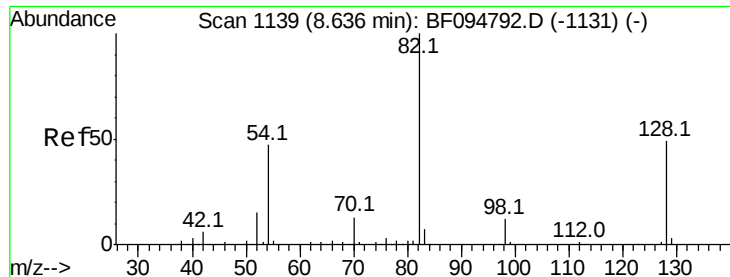
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





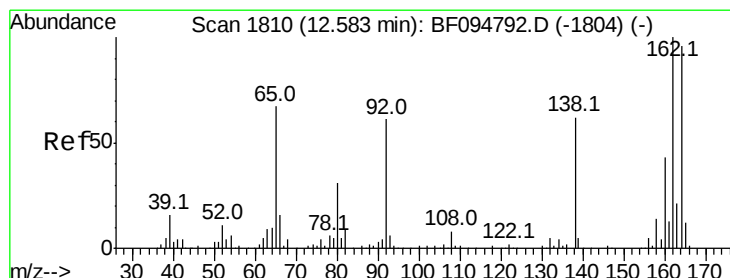
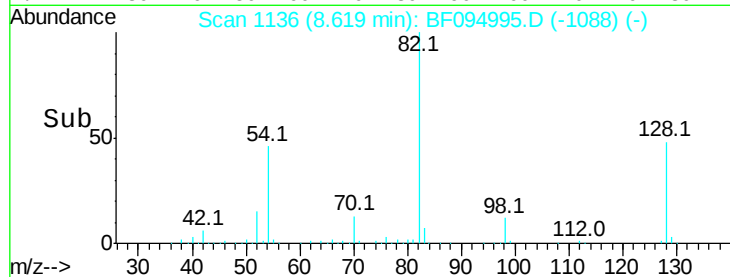
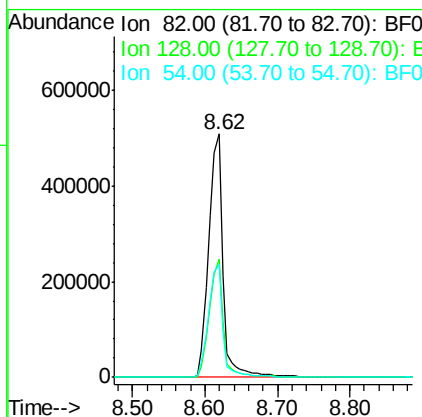
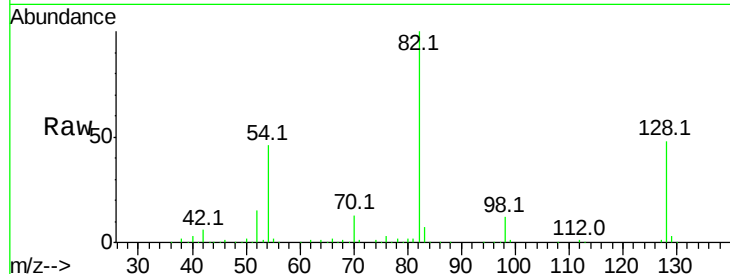
#23
Nitrobenzene-d5
Concen: 117.18 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	46.4	42.2	63.2

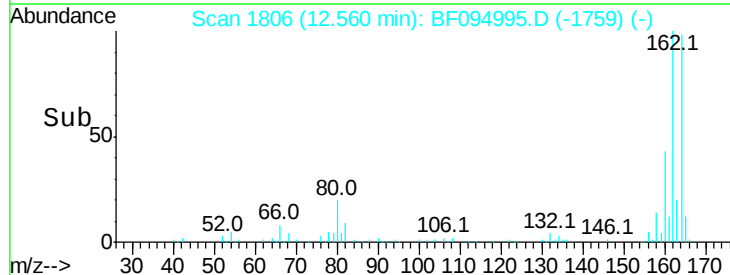
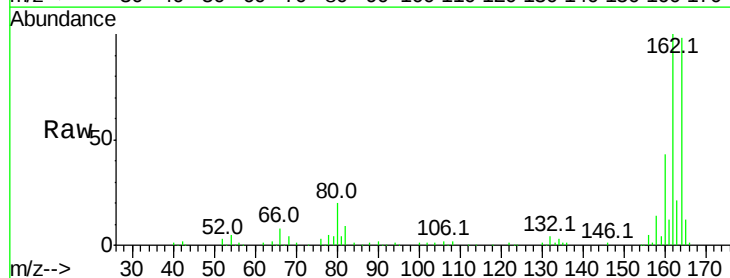
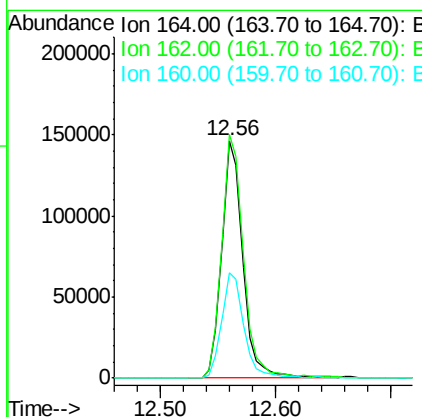
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	44.1	36.2	54.2





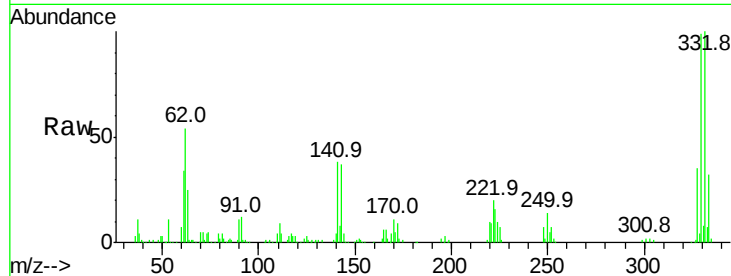
#41
 2,4,6-Tribromophenol
 Concen: 143.27 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	219102		
332	95.8	76.6	115.0	
141	38.4	31.4	47.2	

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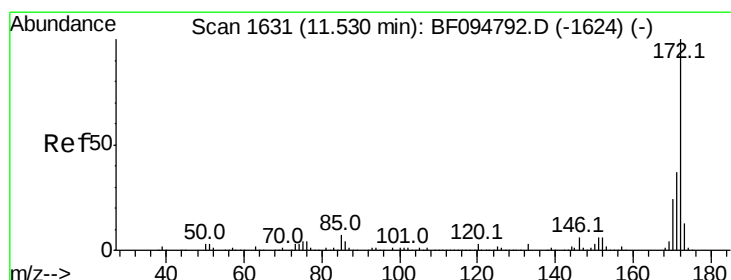
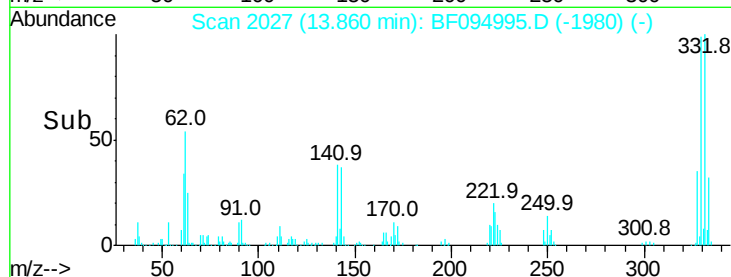
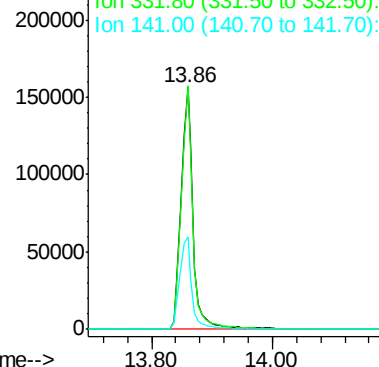


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 97.52 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

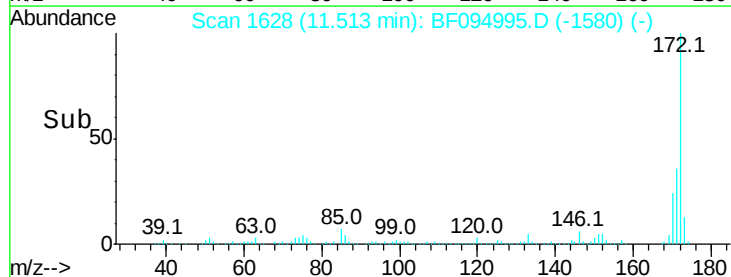
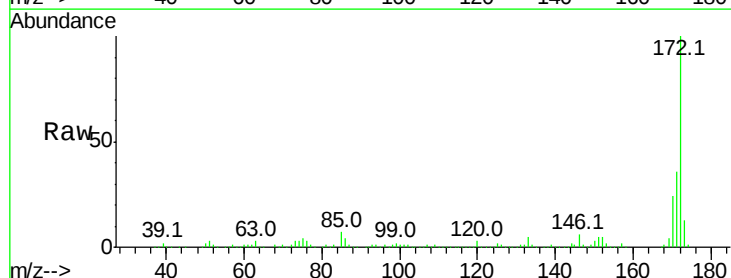
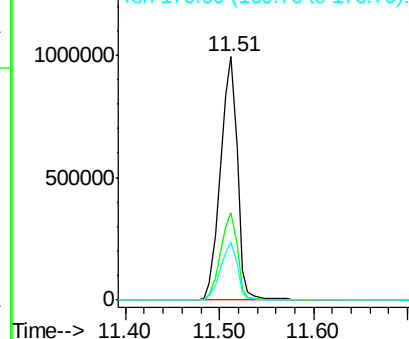
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1265122		
171	35.9	29.6	44.4	
170	23.7	19.8	29.8	

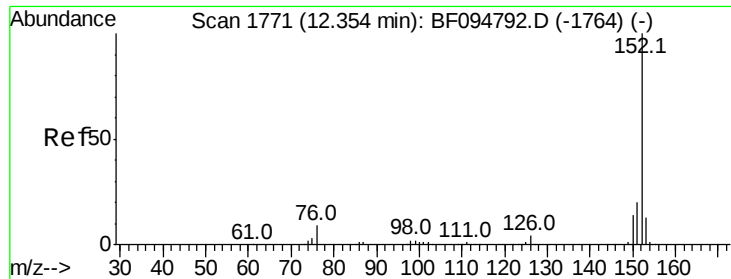
Abundance

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





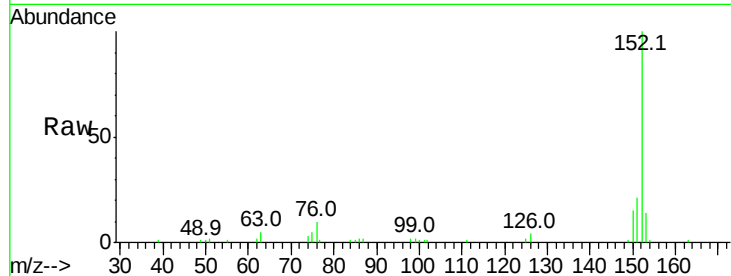
#48
Acenaphthylene
Concen: 2.76 ng
RT: 12.34 min Scan# 1768
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

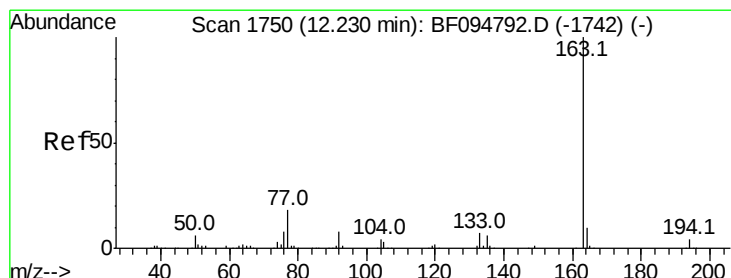
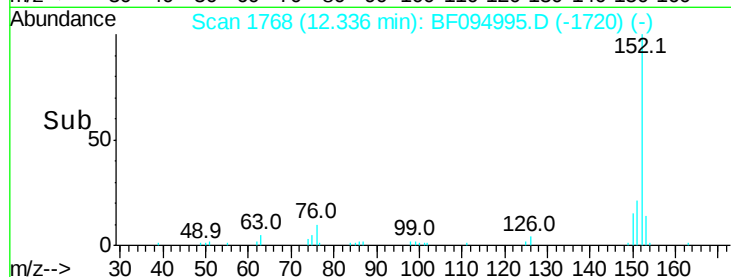
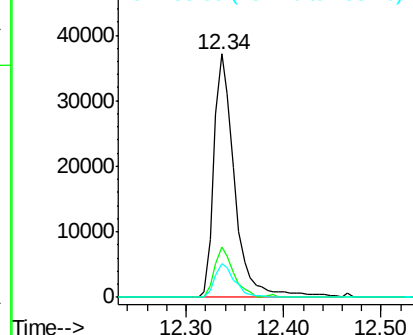
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	14.0	10.8	16.2

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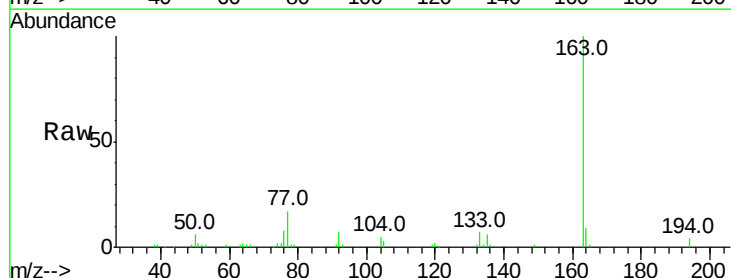


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

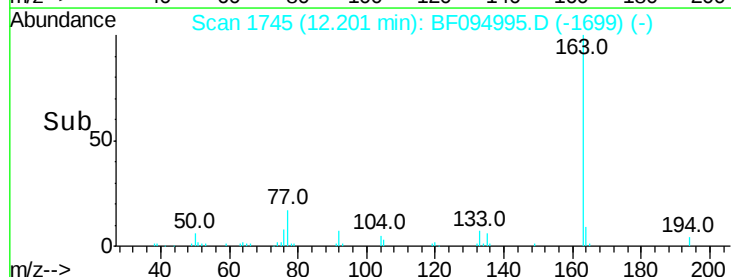
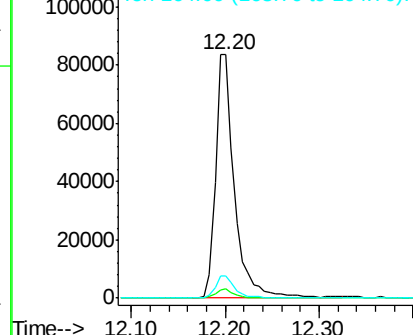


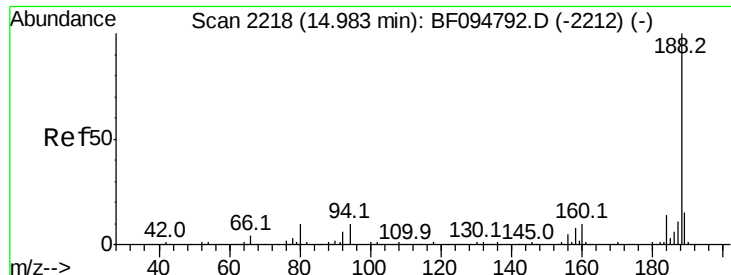
#49
Dimethylphthalate
Concen: 7.77 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.2	8.4	12.6



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





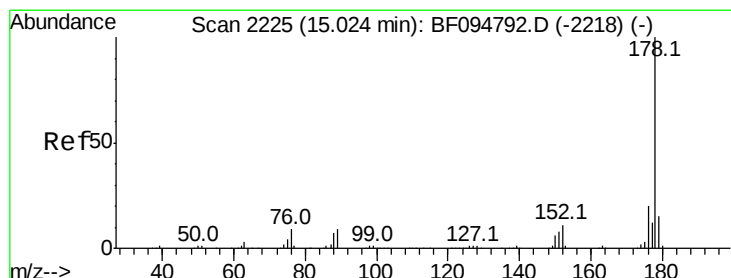
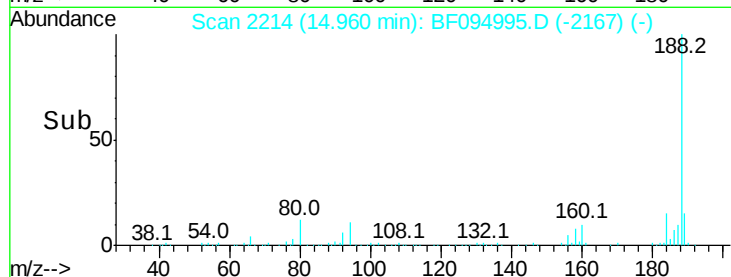
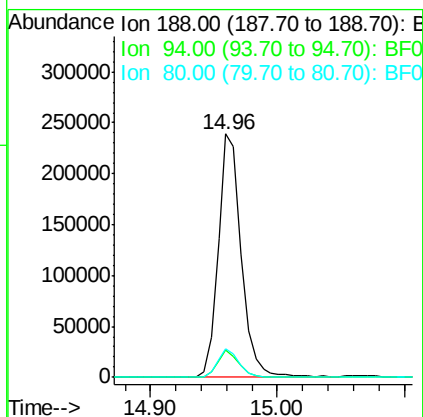
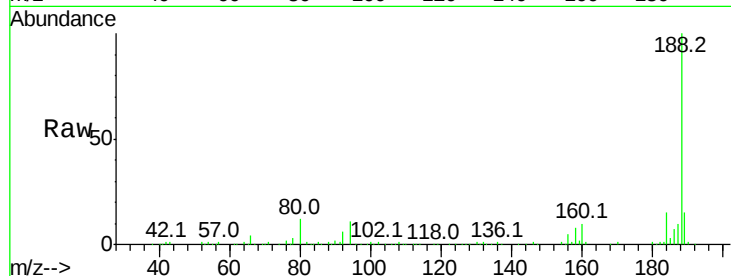
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	9.4	14.2
80	11.6	10.2	15.2

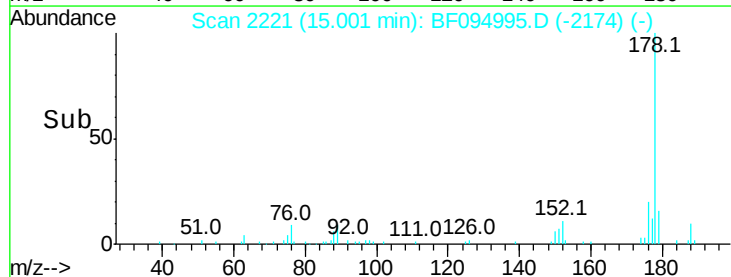
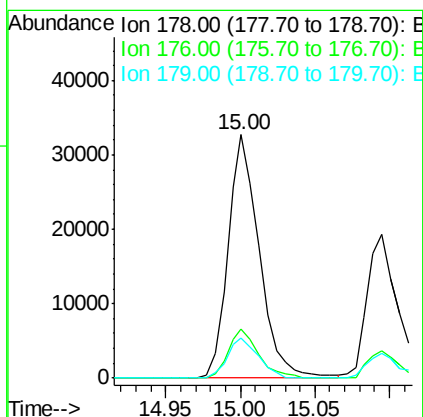
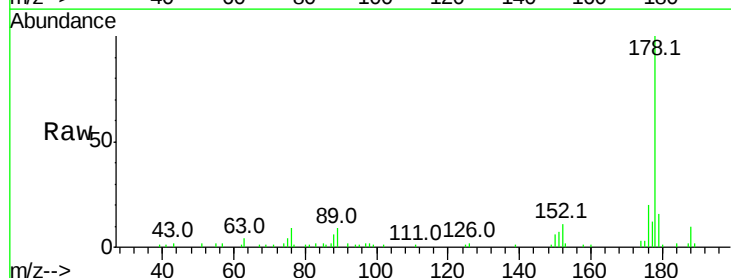
Manual Integrations
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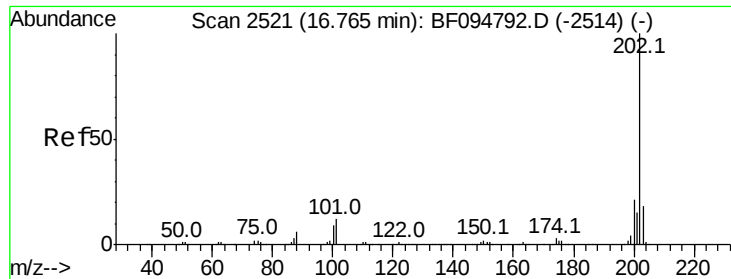
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#70
Phenanthrene
Concen: 2.75 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.2	24.4
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 14.17 ng

RT: 16.74 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

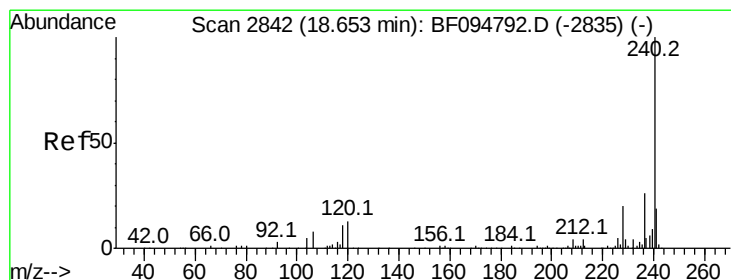
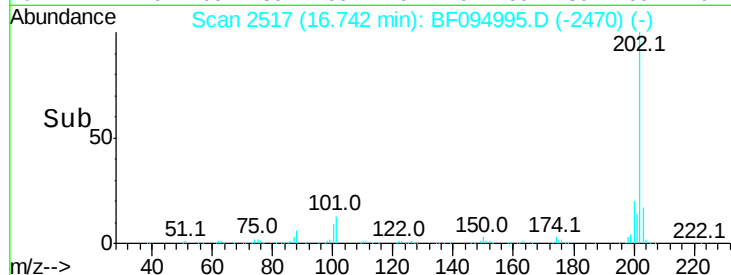
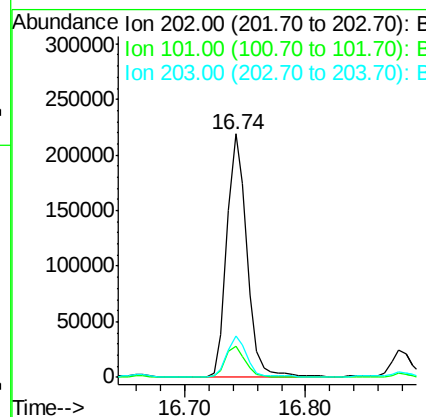
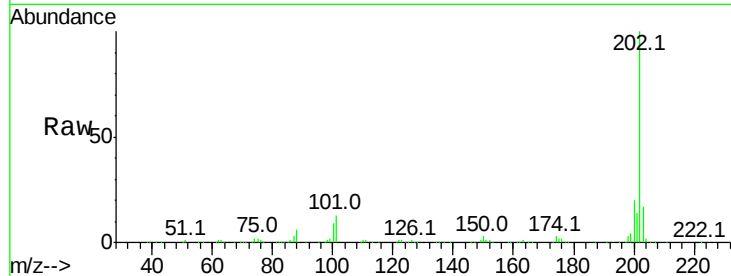
ClientSampleId :

TP-4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	252940		
101	13.0	0.0	33.2	
203	17.2	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

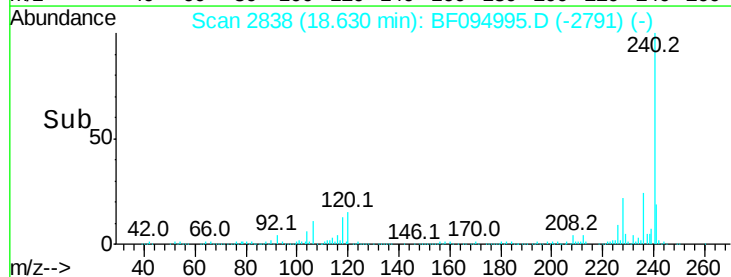
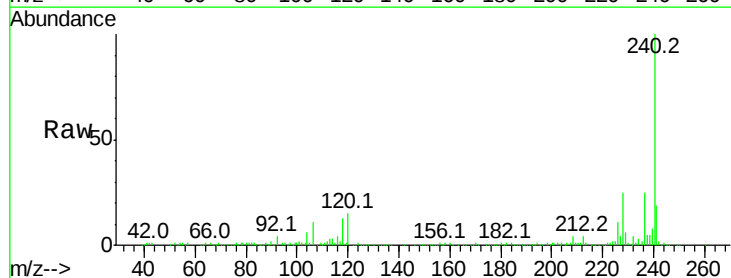
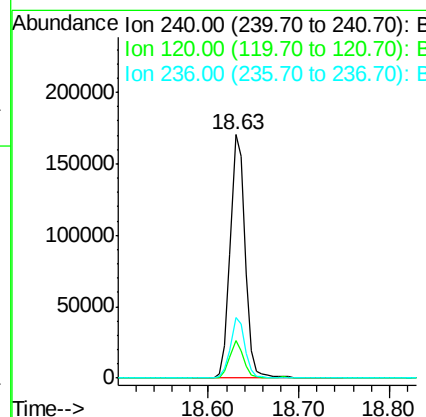
RT: 18.63 min Scan# 2838

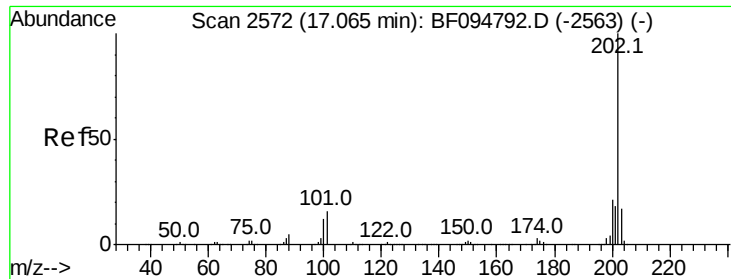
Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	193605		
120	15.2	5.8	8.8#	
236	24.6	20.5	30.7	





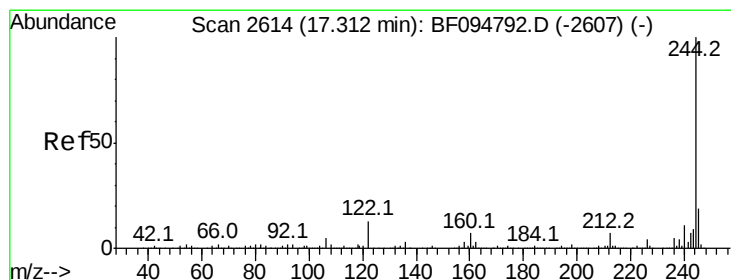
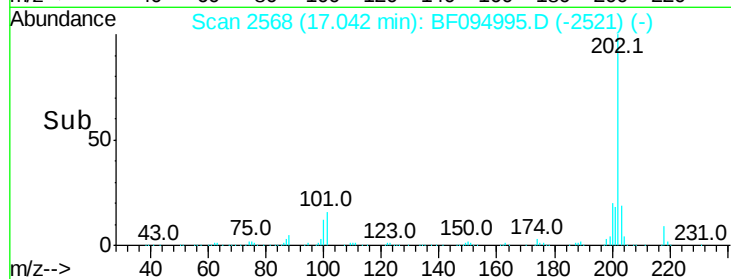
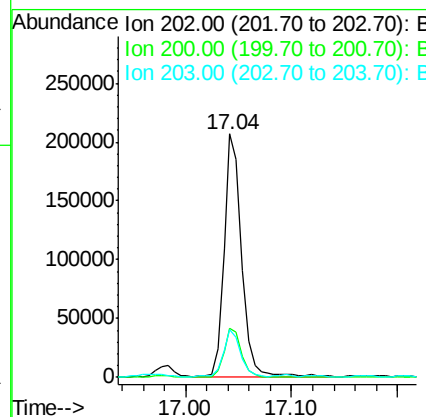
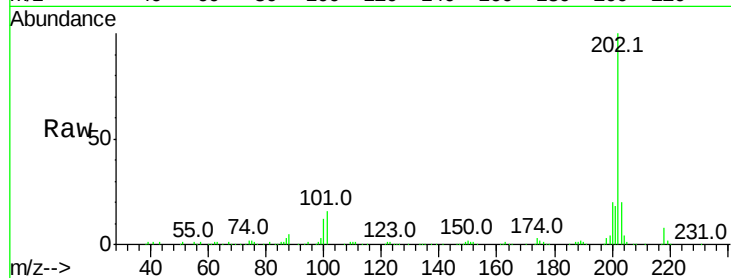
#77
Pvrene
Concen: 16.55 ng
RT: 17.04 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.6	26.4
203	19.5	14.4	21.6

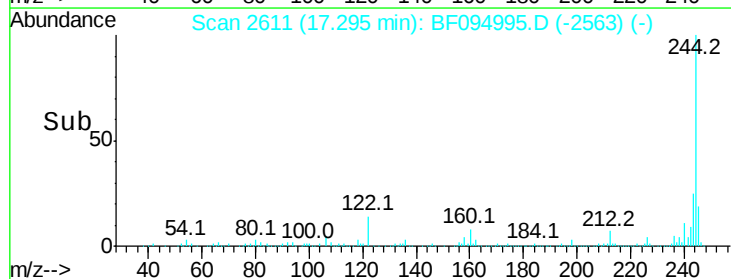
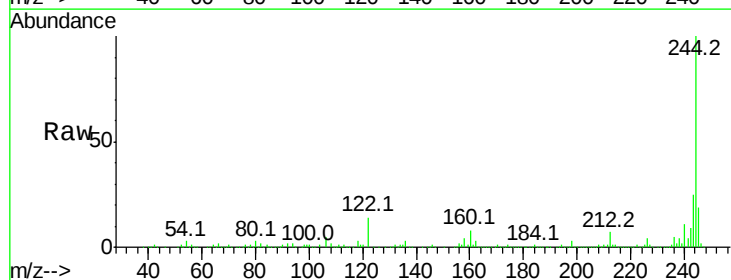
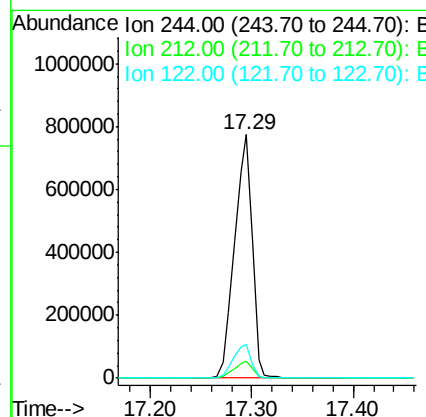
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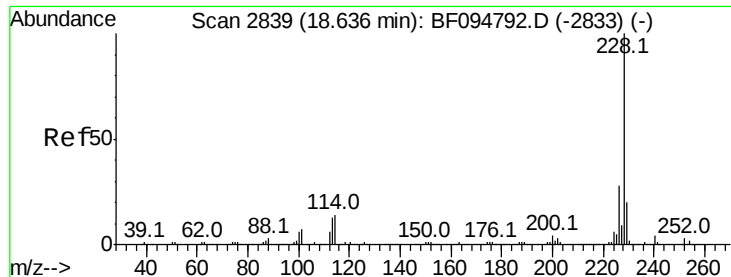
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#78
Terphenyl-d14
Concen: 107.04 ng
RT: 17.29 min Scan# 2611
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.7	10.3	15.5





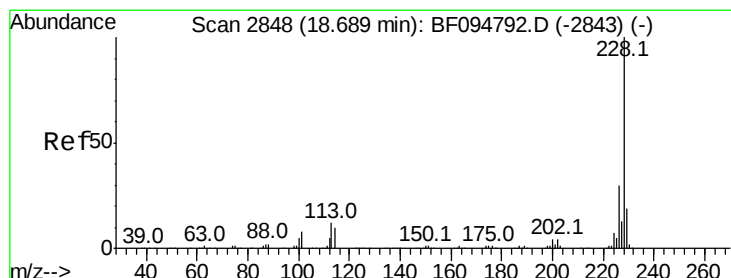
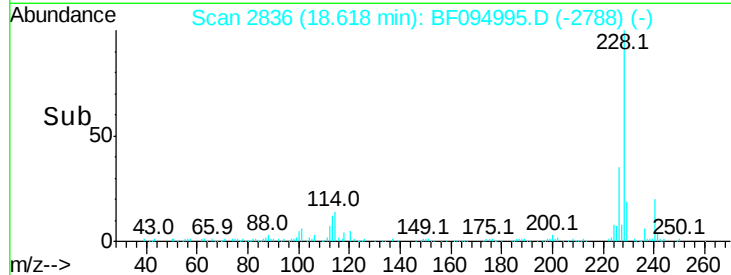
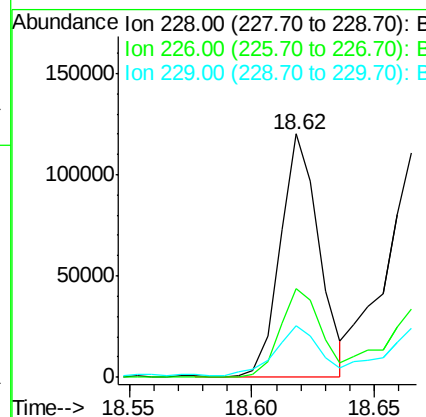
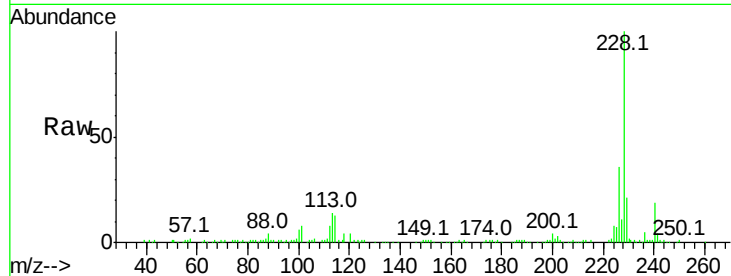
#80
Benzo(a)anthracene
Concen: 11.76 ng/mL
RT: 18.62 min Scan# 2836
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.6	33.8
229	21.3	16.3	24.5

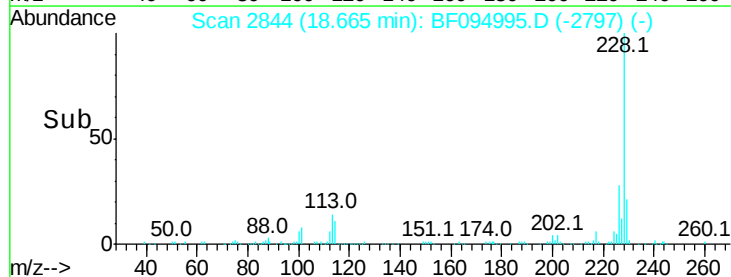
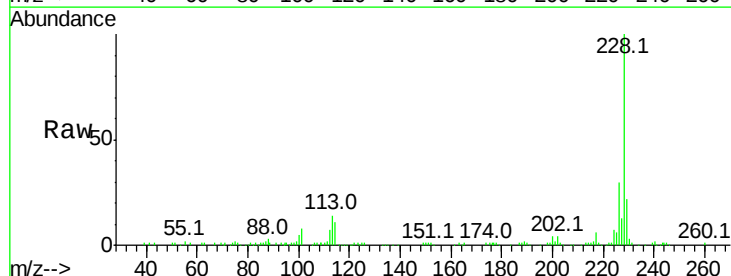
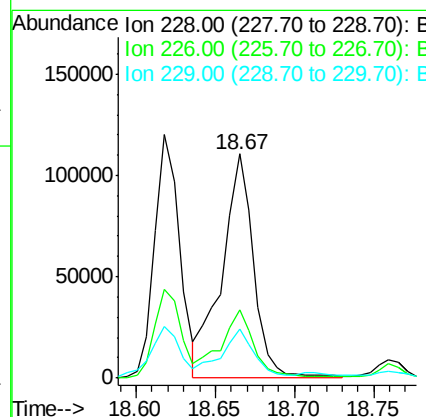
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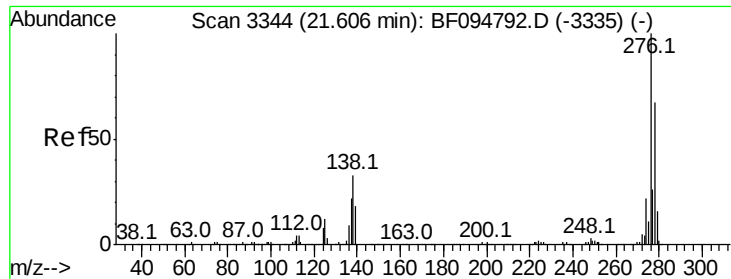
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#82
Chrysene
Concen: 14.15 ng/mL
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.8	15.8	23.6





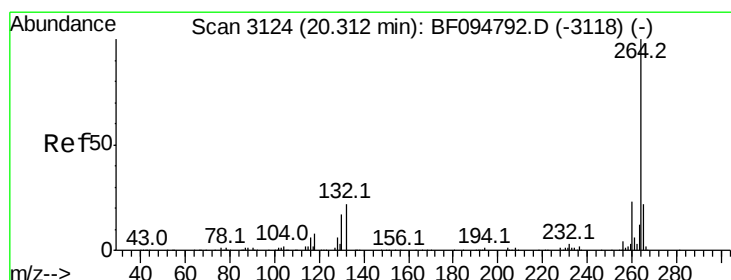
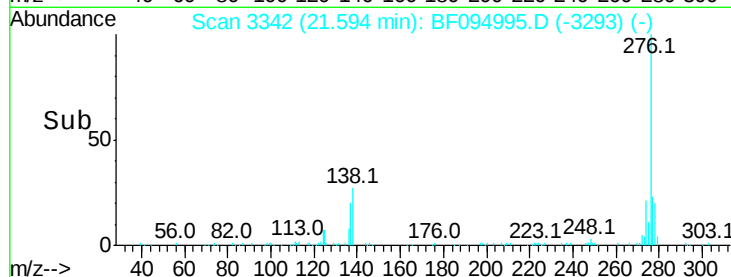
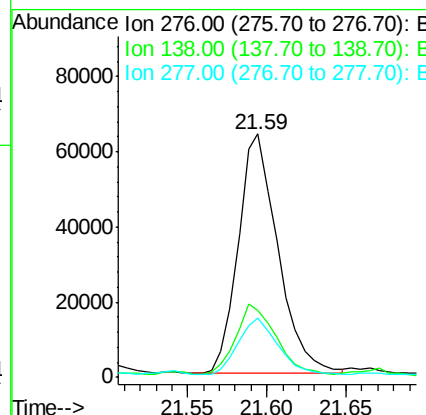
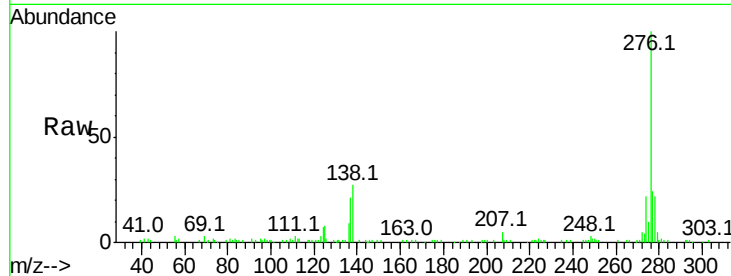
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.49 ng
RT: 21.59 min Scan# 3342
Delta R.T. -0.01 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	23.9	20.2	30.4

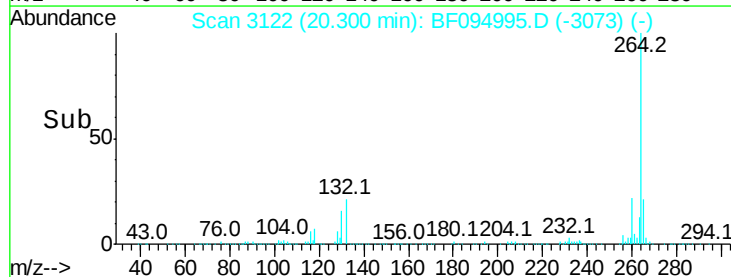
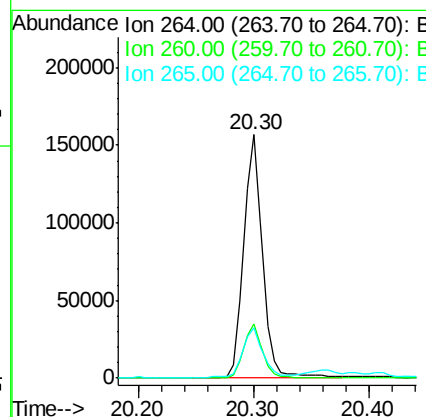
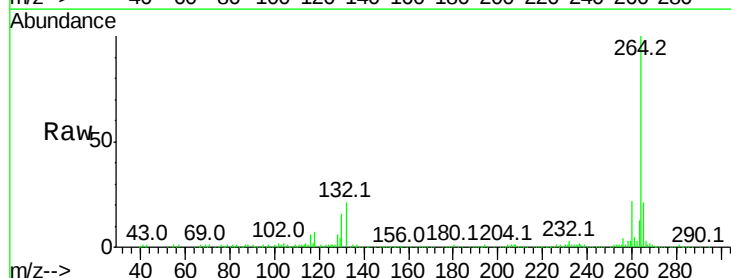
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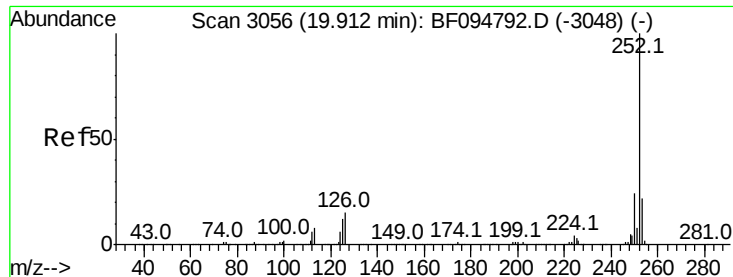
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	20.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 20.02 ng m

RT: 19.89 min Scan# 3053

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

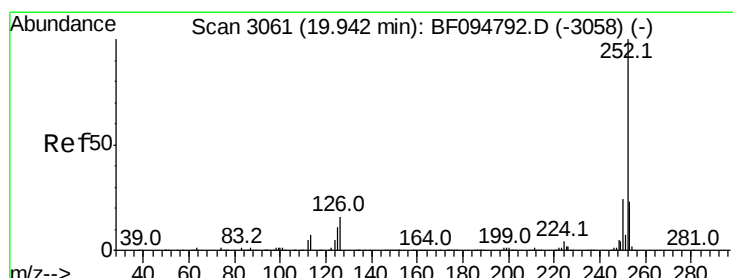
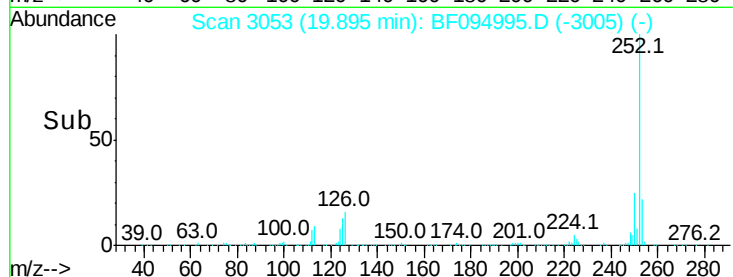
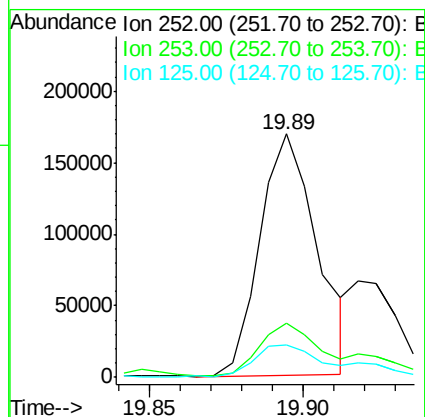
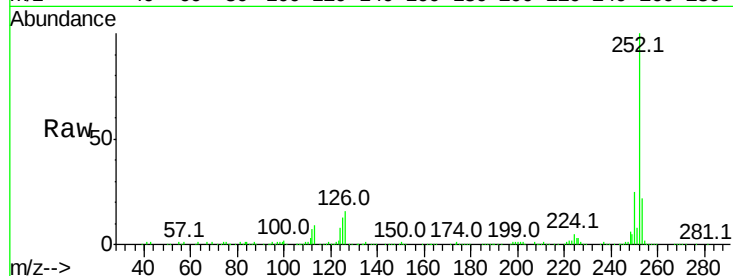
ClientSampleId :

TP-4-5COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.3	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 6.77 ng m

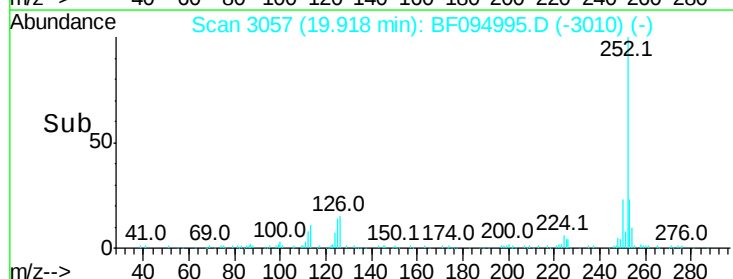
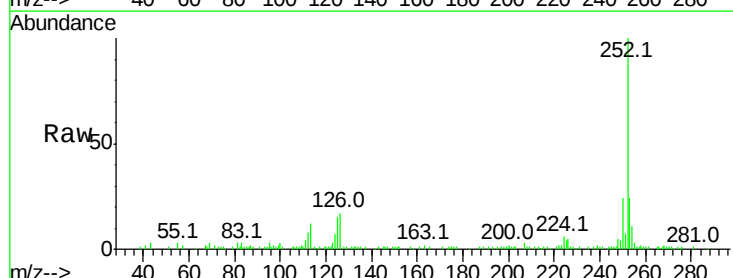
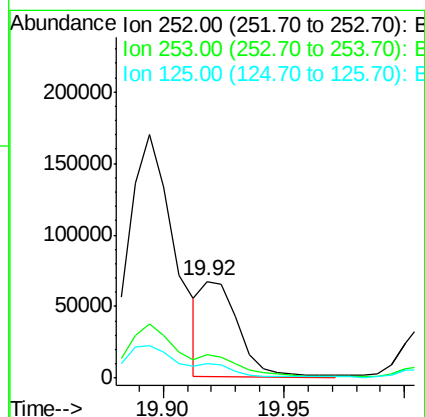
RT: 19.92 min Scan# 3057

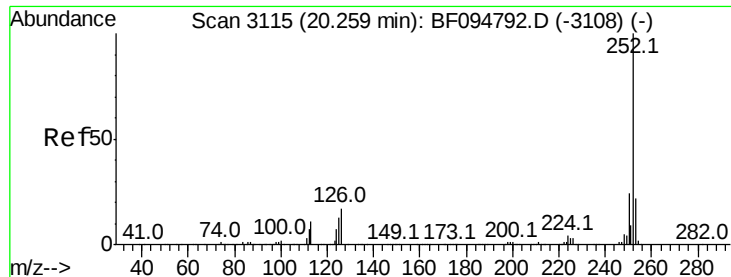
Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	14.6	13.1	19.7





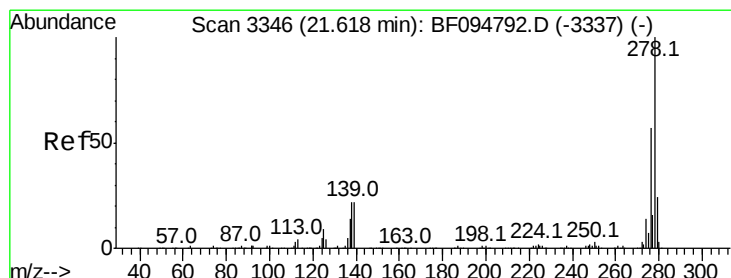
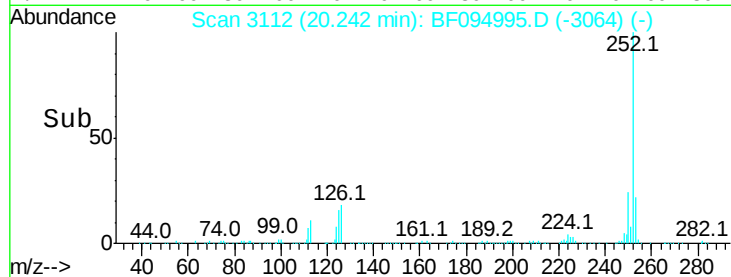
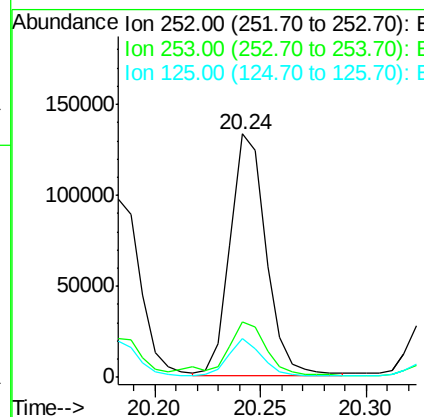
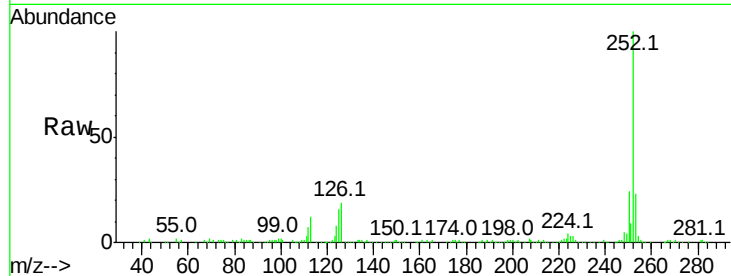
#89
Benzo(a)pyrene
Concen: 15.37 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :
TP-4-5COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.0	11.0	16.4

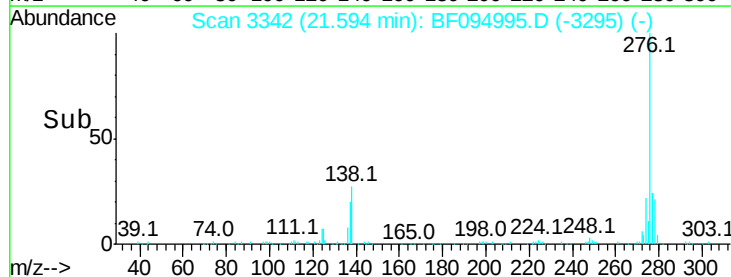
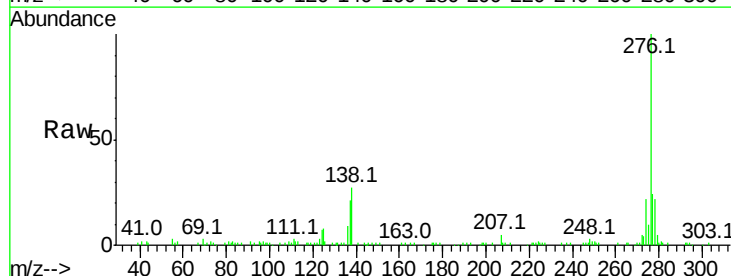
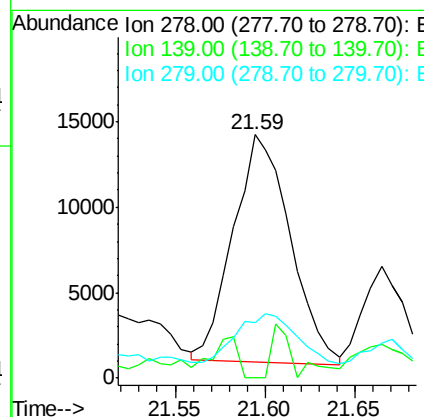
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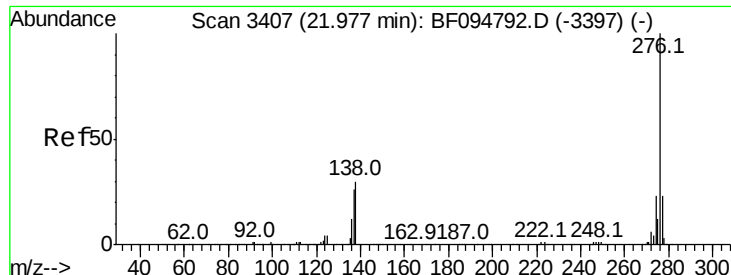
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#90
Dibenzo(a,h)anthracene
Concen: 3.53 ng m
RT: 21.59 min Scan# 3342
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	23.0	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 12.47 ng

RT: 21.96 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

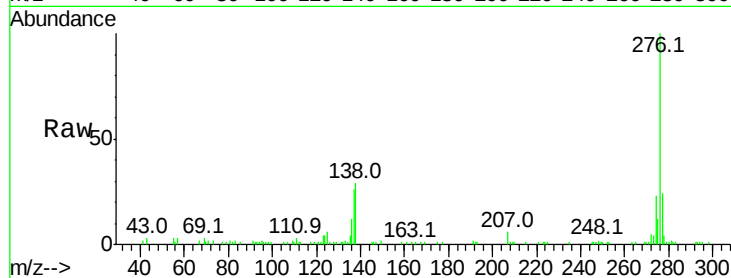
ClientSampleId :

TP-4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
276	100	102730		
277	23.9		18.6	28.0
138	28.6		25.4	38.0

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

