

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098774.D
 Acq On : 25 Sep 2017 10:59
 Operator : SJ/JU
 Sample : I5360-07 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-D-COMP

Manual Integrations
 APPROVED

Sohil
 9/26/2017 4:58:16 PM

Quant Time: Sep 26 06:06:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	169163	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	692193	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	289166	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	416260	20.00	ng	0.00
75) Chrysene-d12	14.07	240	292284	20.00	ng	-0.01
86) Perylene-d12	15.57	264	318655	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	182381	17.16	ng	-0.02
7) Phenol-d6	6.52	99	219614	16.75	ng	-0.02
23) Nitrobenzene-d5	7.47	82	131548	12.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	32728	13.83	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	255728	14.76	ng	-0.02
78) Terphenyl-d14	13.02	244	149278	11.62	ng	-0.02
Target Compounds						
31) Naphthalene	8.22	128	108972	3.352	ng	Qvalue 98
59) Diethylphthalate	10.35	149	42920	2.013	ng	98
70) Phenanthrene	11.46	178	148014	6.643	ng	99
74) Fluoranthene	12.64	202	201272	8.921	ng	98
77) Pyrene	12.88	202	198365	8.900	ng	99
80) Benzo(a)anthracene	14.06	228	103167	5.829	ng	94
82) Chrysene	14.10	228	109183m	6.480	ng	
85) Indeno(1,2,3-cd)pyrene	17.06	276	48833	3.623	ng	99
87) Benzo(b)fluoranthene	15.13	252	141490m	7.222	ng	
89) Benzo(a)pyrene	15.50	252	84966	4.724	ng	# 92
91) Benzo(g,h,i)perylene	17.52	276	47000	3.304	ng	# 91

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

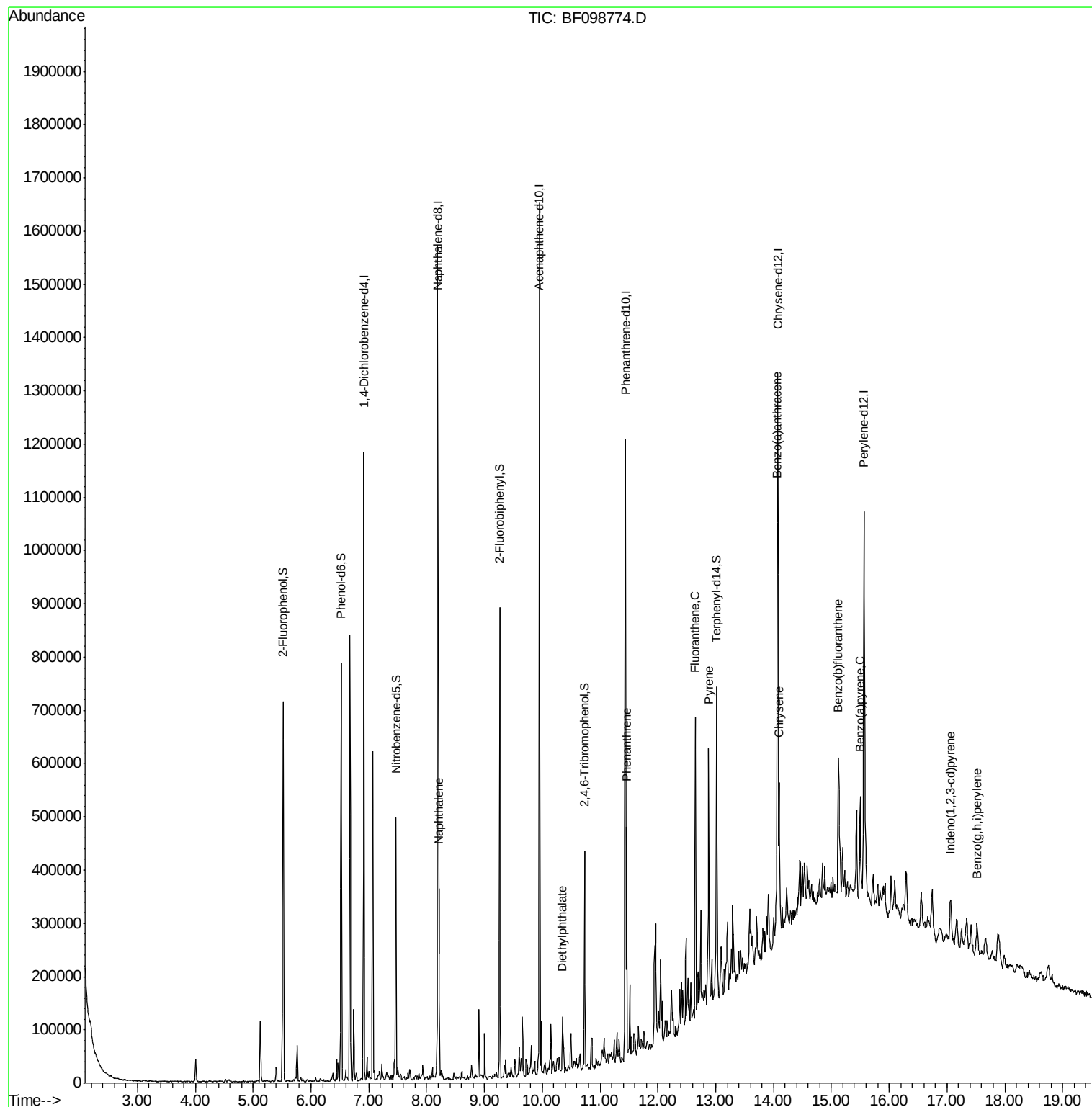
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
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#1

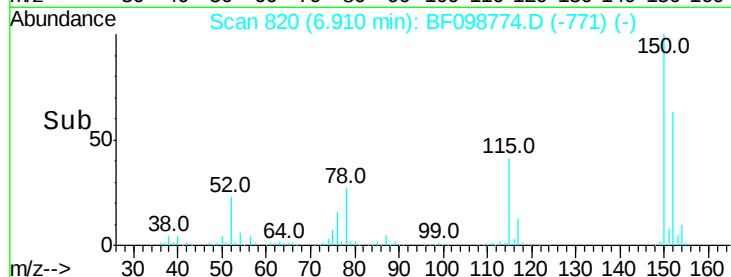
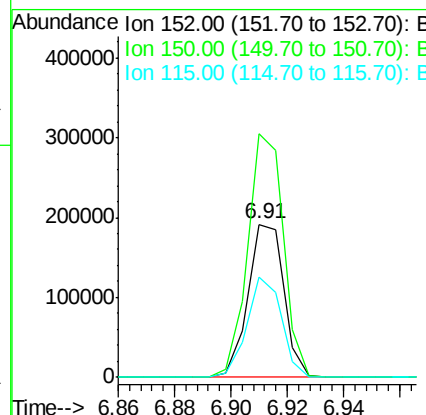
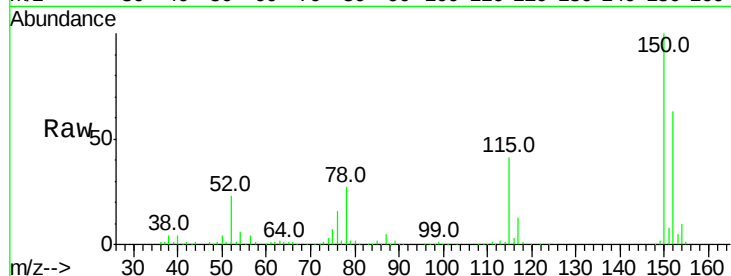
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-D-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	65.4	50.1	75.1

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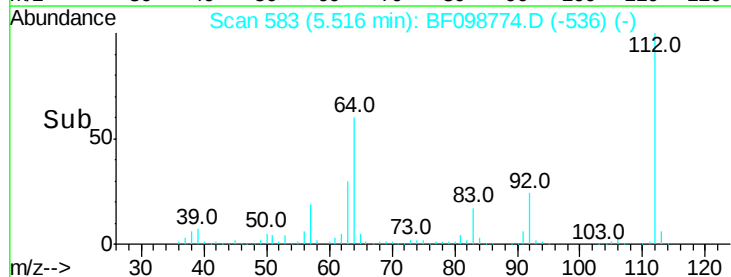
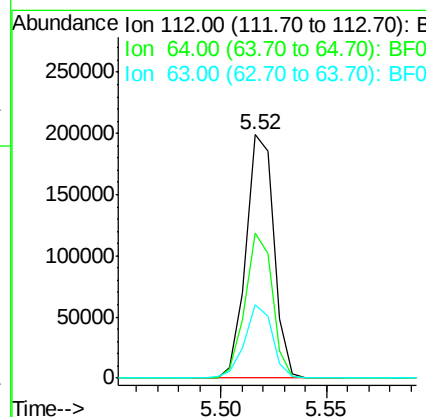
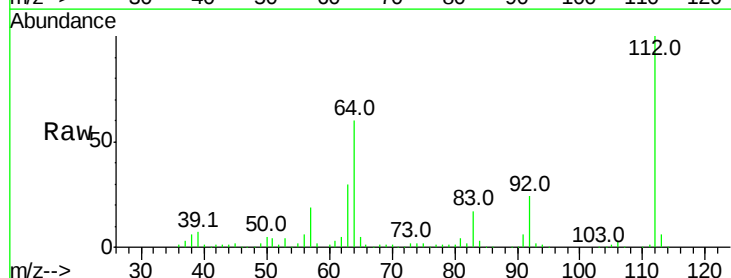
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#5

2-Fluorophenol
 Concen: 17.163 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	30.0	23.7	35.5





#7

Phenol-d6

Concen: 16.753 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

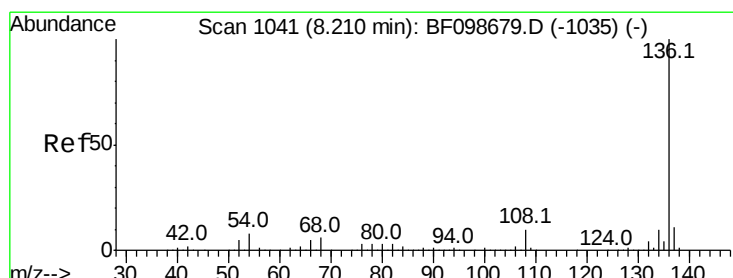
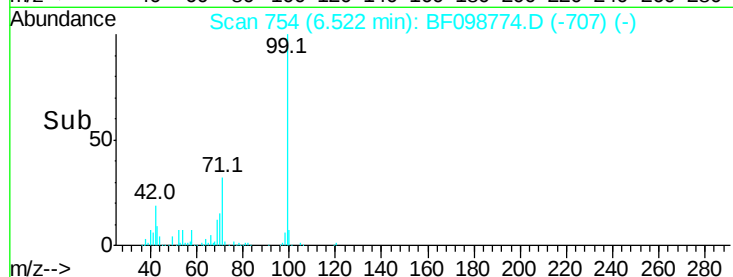
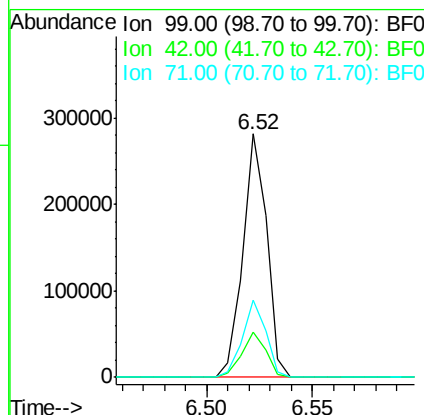
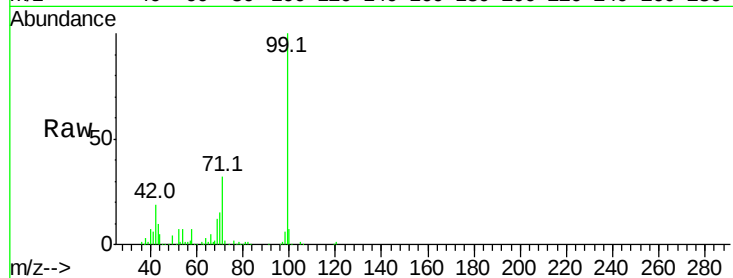
ClientSampleId :

SP-1-D-COMP

Tot Ion:	99	Resp:	219614
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

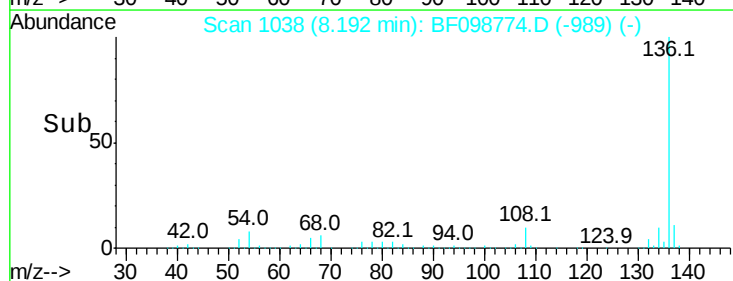
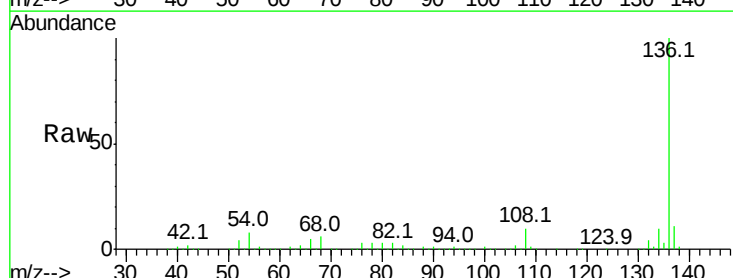
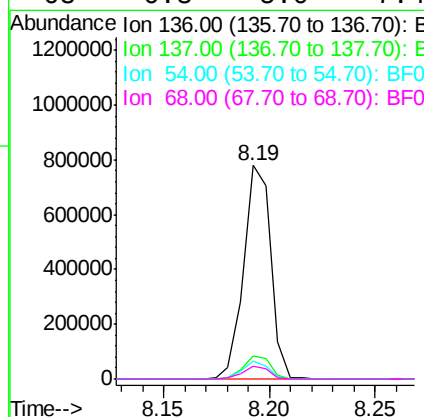
RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Tgt Ion:	136	Resp:	692193
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.4	6.6	9.8
68	6.3	5.0	7.4





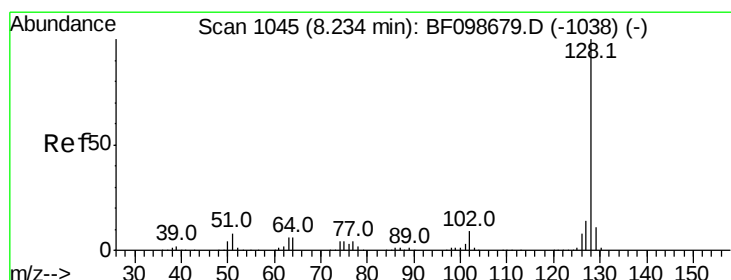
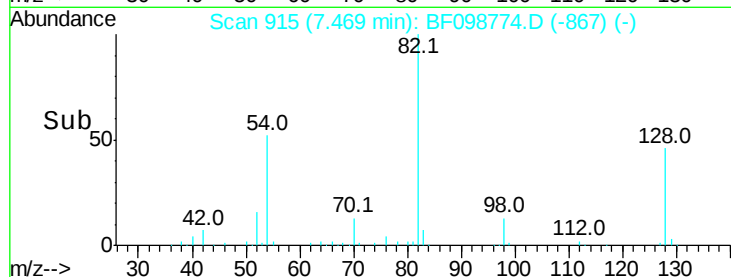
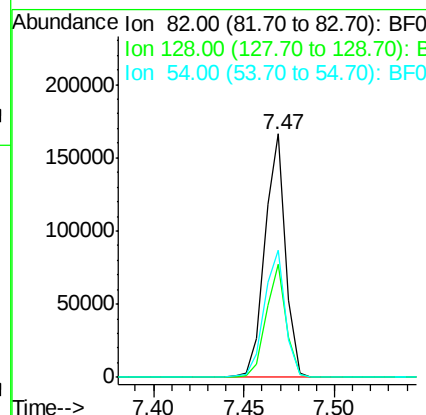
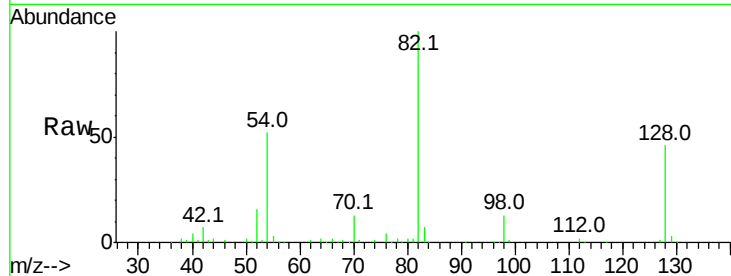
#23
 Nitrobenzene-d5
 Concen: 12.188 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Instrument :
 BNA_F
 ClientSampled :
 SP-1-D-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	52.1	41.4	62.2

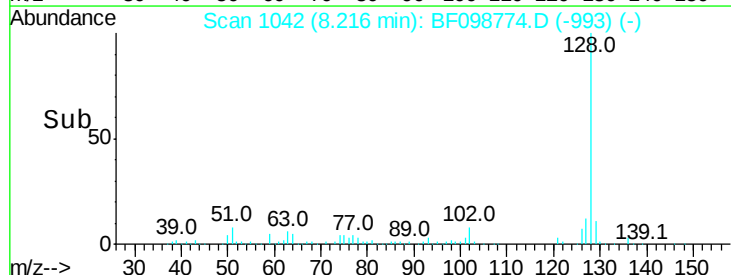
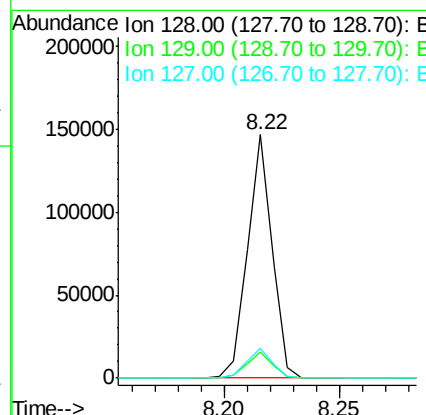
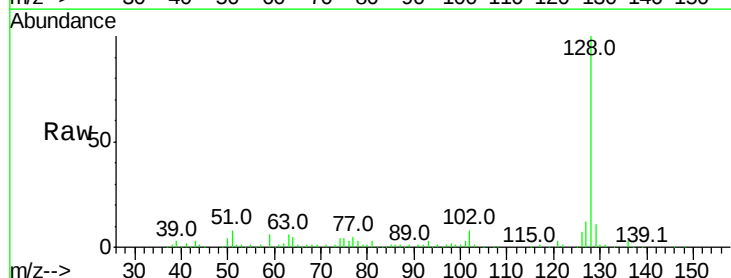
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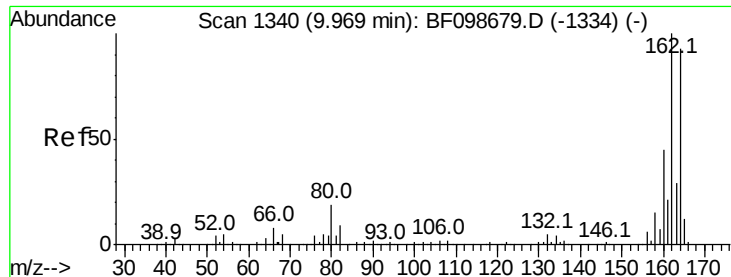
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#31
 Naphthalene
 Concen: 3.352 ng
 RT: 8.22 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF098774.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.5	10.9	16.3





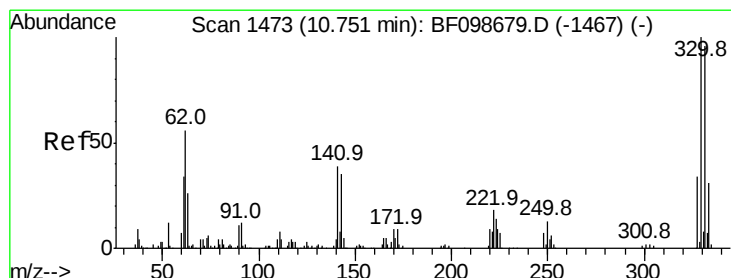
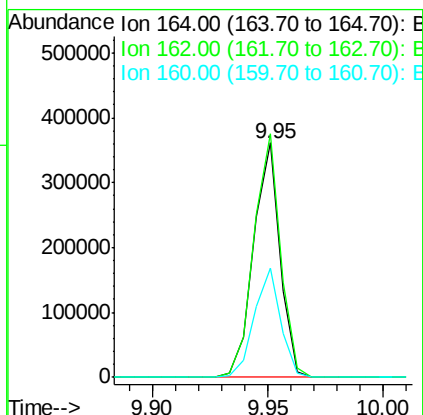
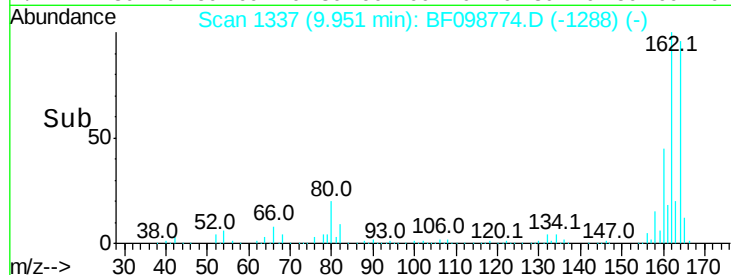
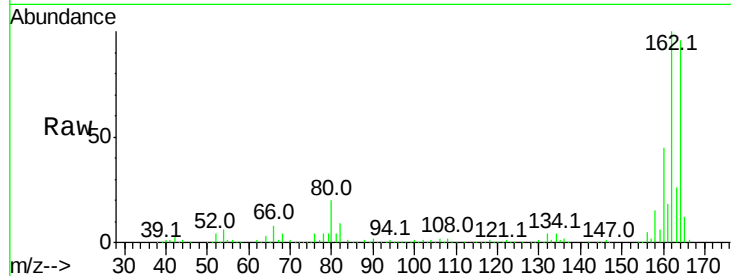
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampled :
SP-1-D-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	289166		
162	103.8	86.1	129.1	
160	46.8	38.3	57.5	

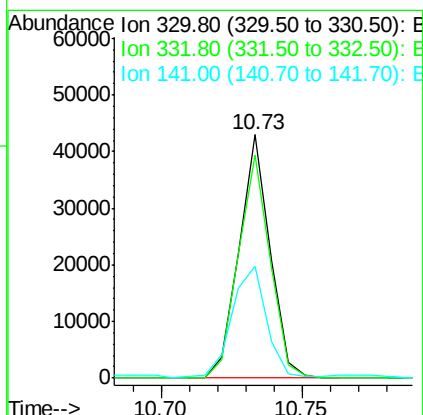
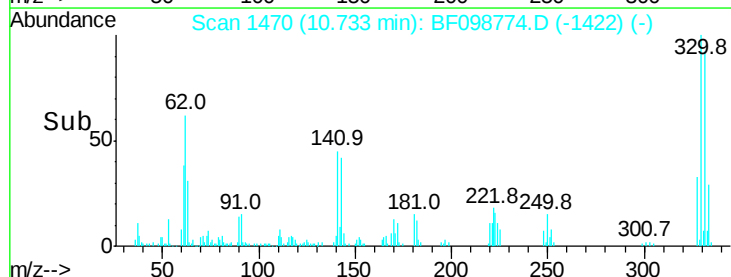
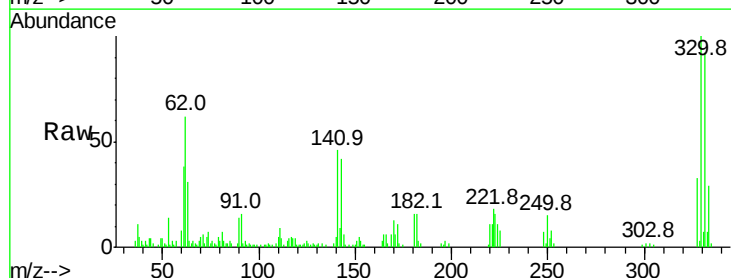
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#41
2,4,6-Tribromophenol
Concen: 13.832 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32728		
332	93.8	77.0	115.6	
141	52.2	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 14.764 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.02 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

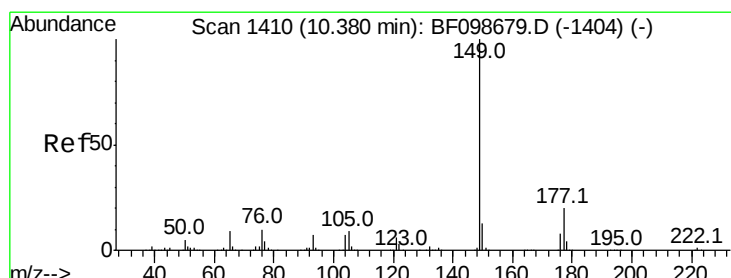
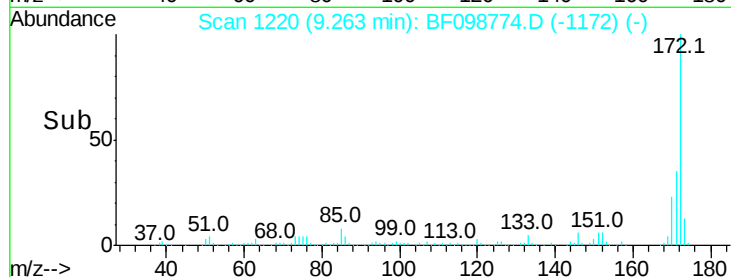
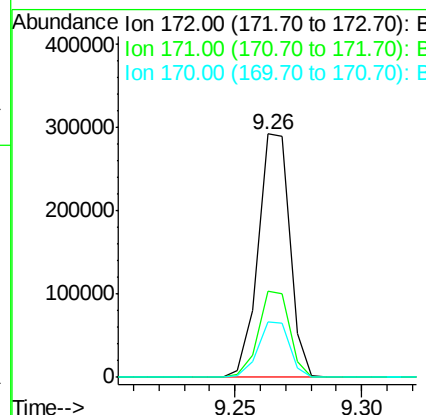
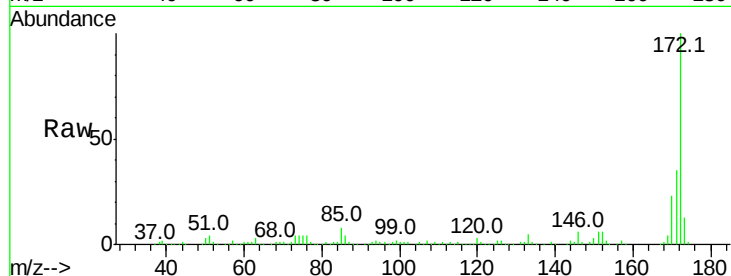
ClientSampleId :

SP-1-D-COMP

Tot Ion:	172	Resp:	255728
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.7	44.5
170	22.9	19.6	29.4

Manual Integrations
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#59

Diethylphthalate

Concen: 2.013 ng

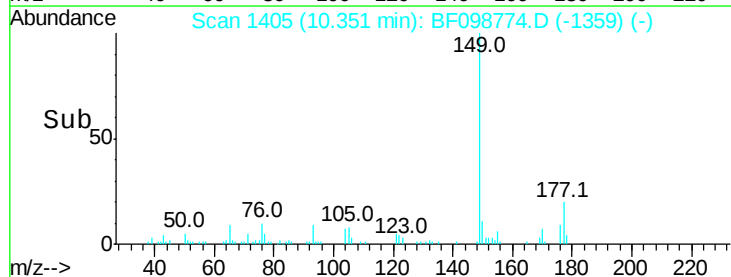
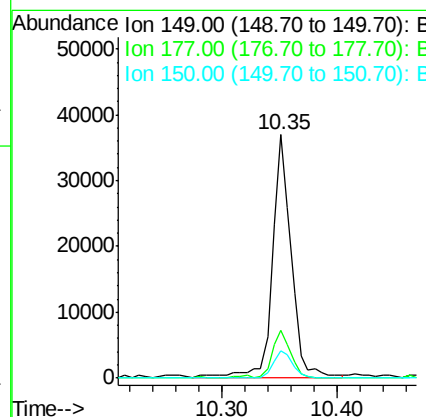
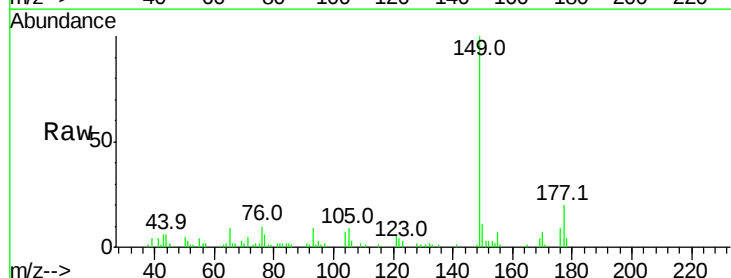
RT: 10.35 min Scan# 1405

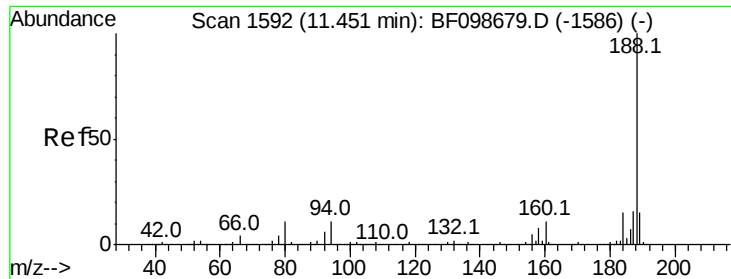
Delta R.T. -0.03 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Tgt Ion:	149	Resp:	42920
Ion Ratio	Lower	Upper	
149	100		
177	19.8	16.1	24.1
150	11.4	10.1	15.1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

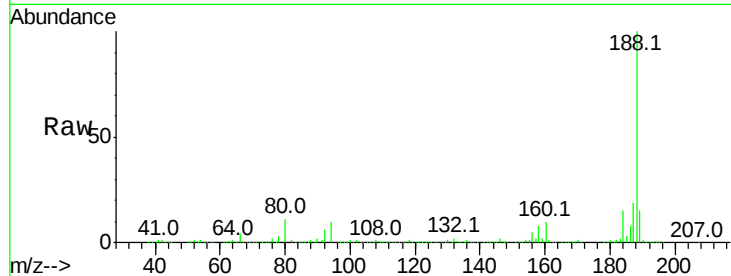
ClientSampleId :

SP-1-D-COMP

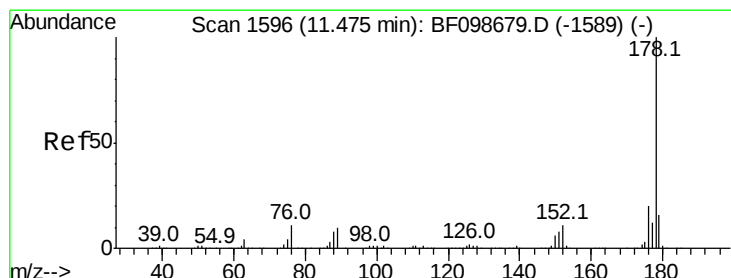
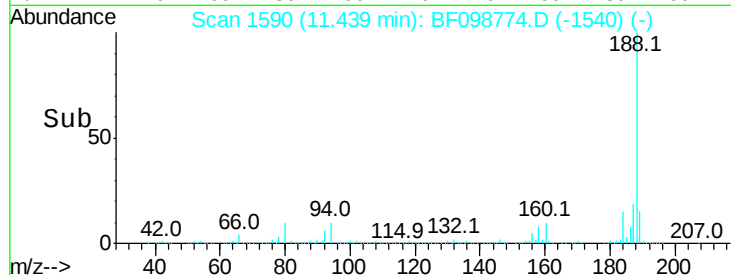
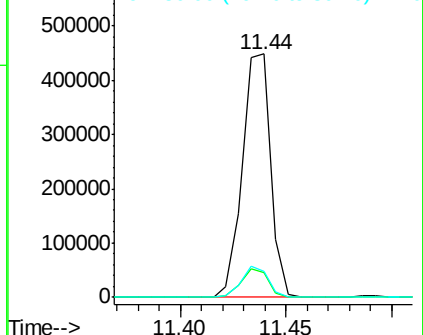
Tot Ion:	188	Resp:	416260
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.5	12.7
80	10.6	9.2	13.8

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 6.643 ng

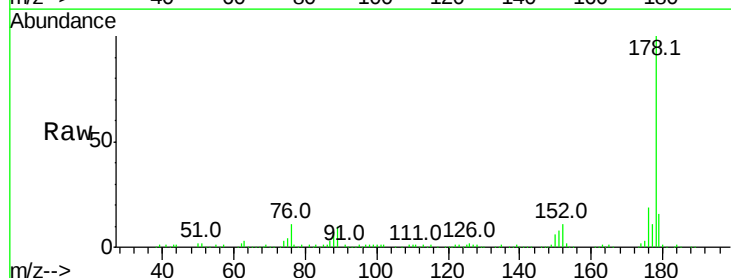
RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

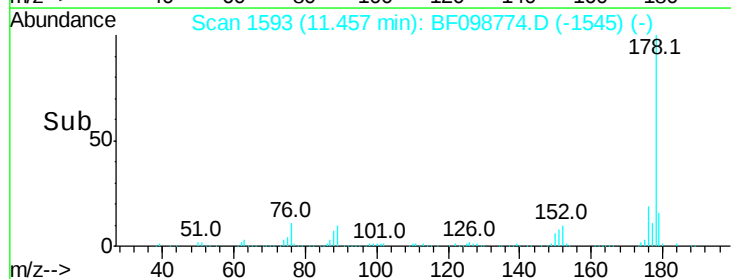
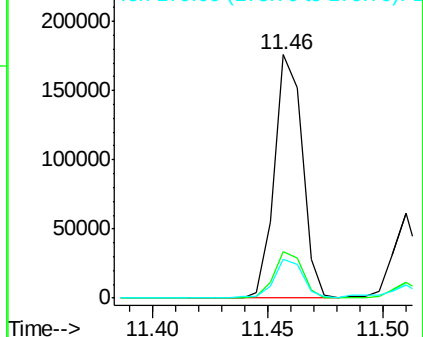
Lab File: BF098774.D

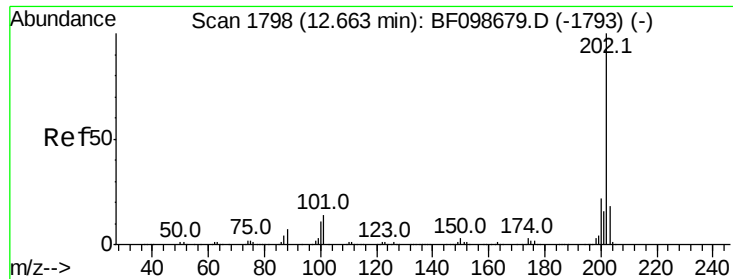
Acq: 25 Sep 2017 10:59

Tgt Ion:	178	Resp:	148014
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	16.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E





#74

Fluoranthene

Concen: 8.921 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Instrument :

BNA_F

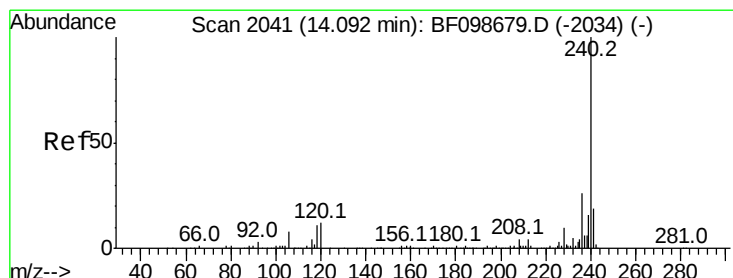
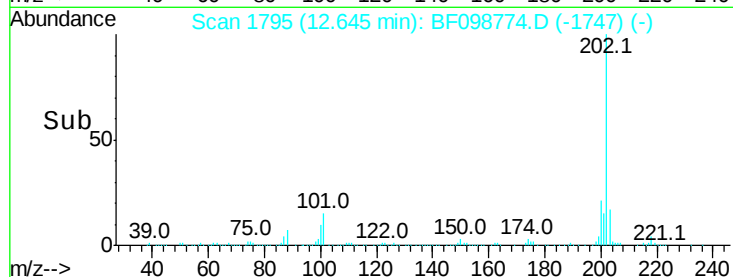
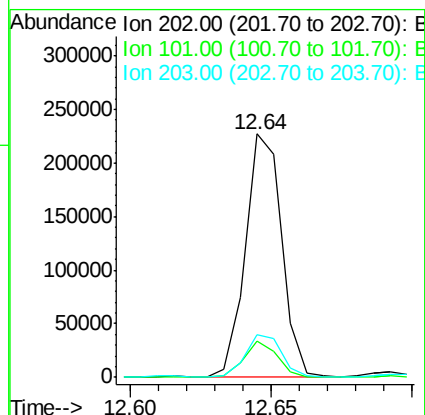
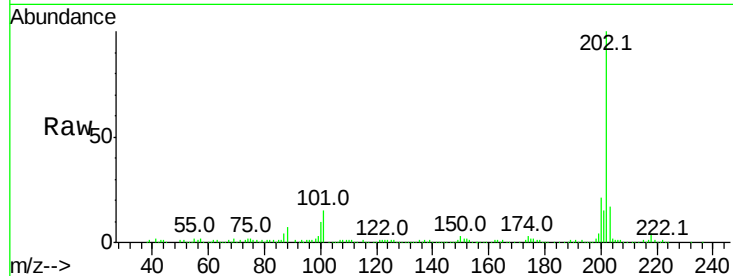
ClientSampleId :

SP-1-D-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.9	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

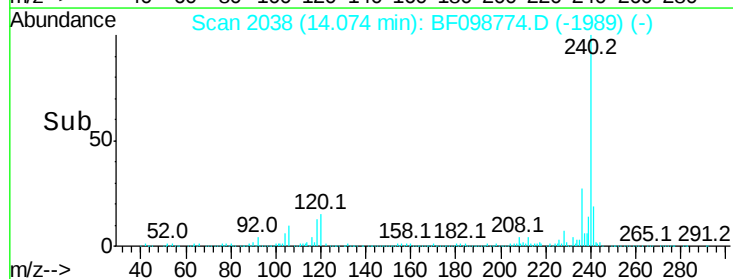
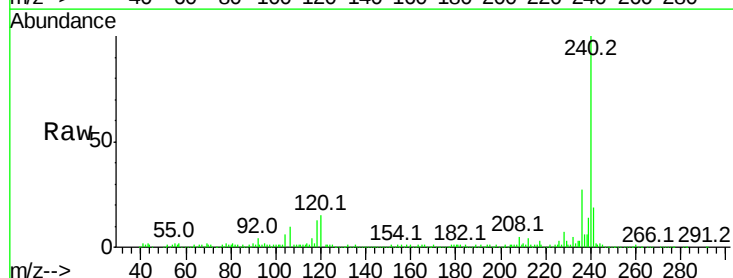
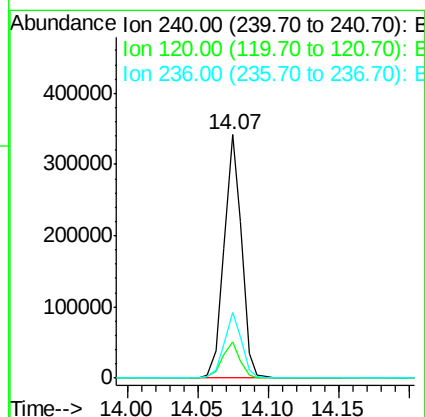
RT: 14.07 min Scan# 2038

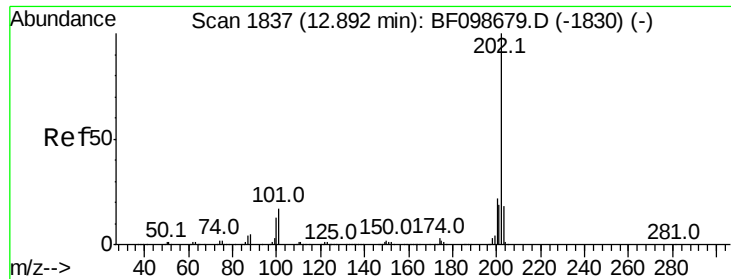
Delta R.T. -0.01 min

Lab File: BF098774.D

Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	26.8	20.7	31.1





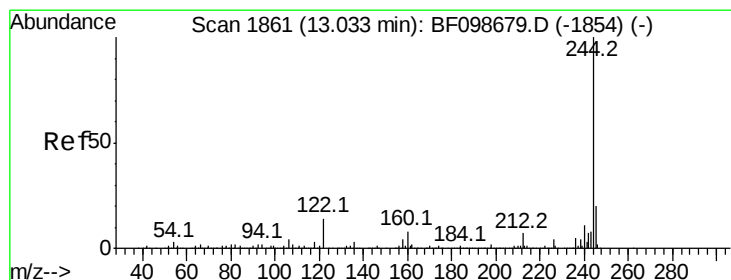
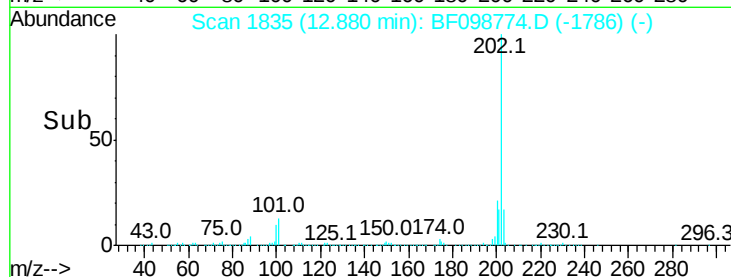
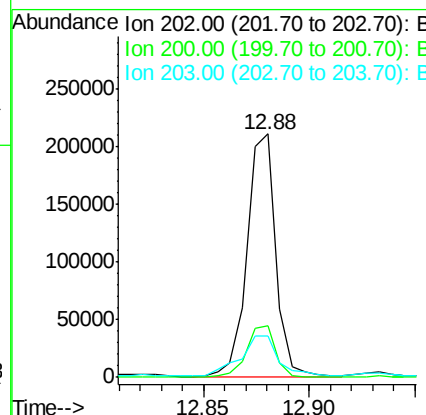
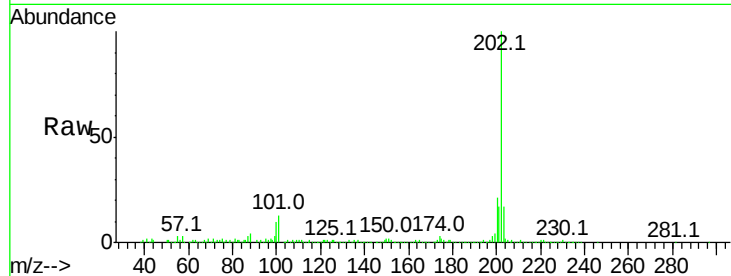
#77
Pvrene
Concen: 8.900 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :
SP-1-D-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.1	14.3	21.5

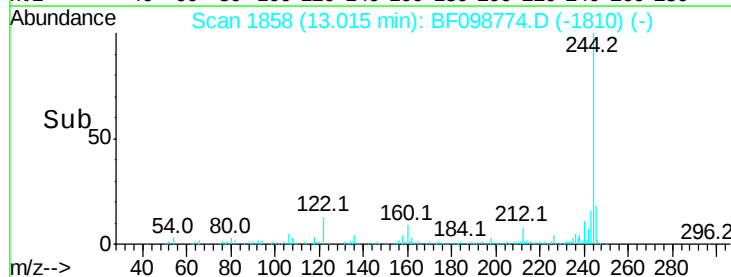
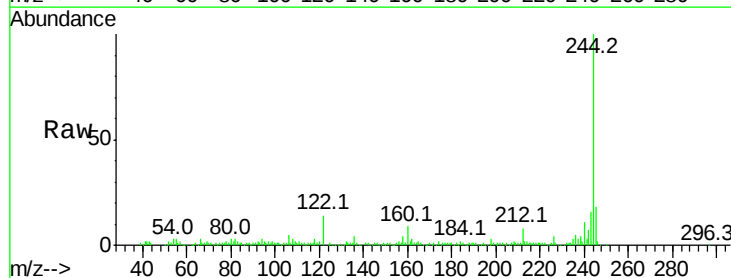
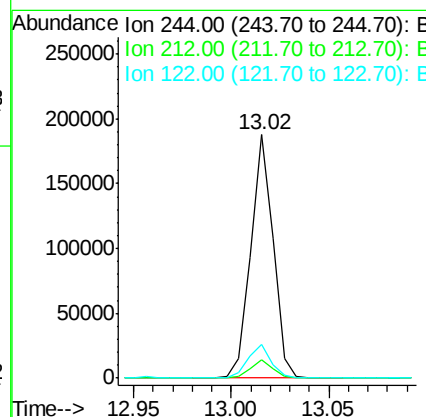
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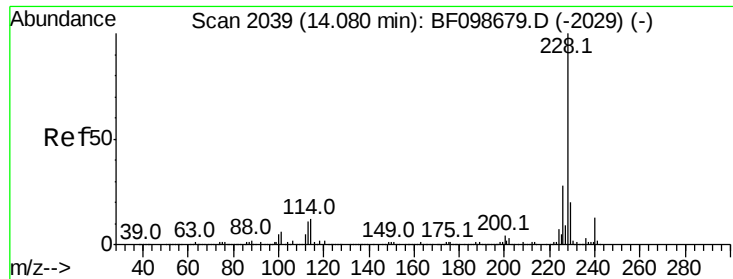
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#78
Terphenyl-d14
Concen: 11.615 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	5.4	8.0
122	13.7	11.0	16.4





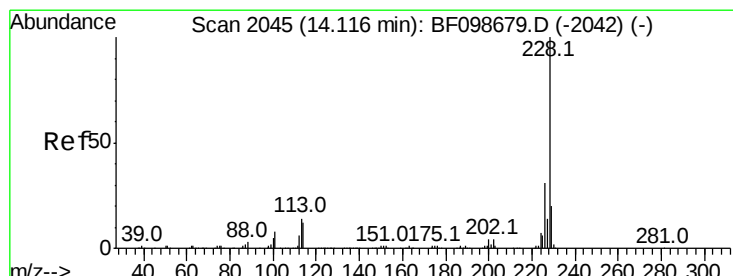
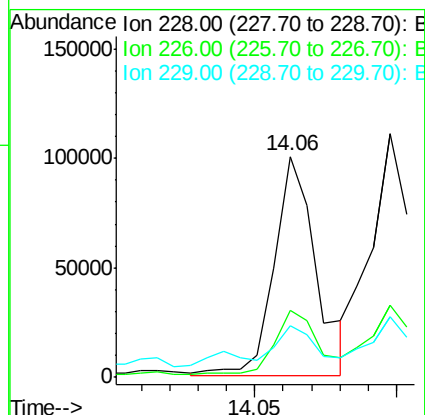
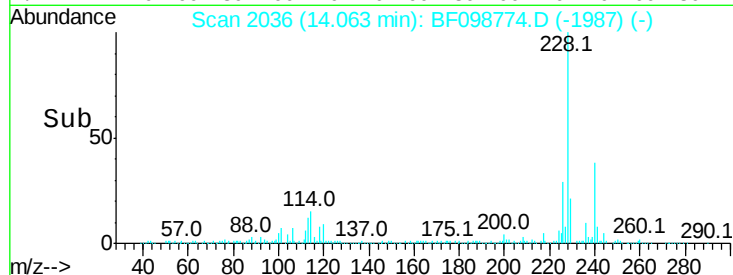
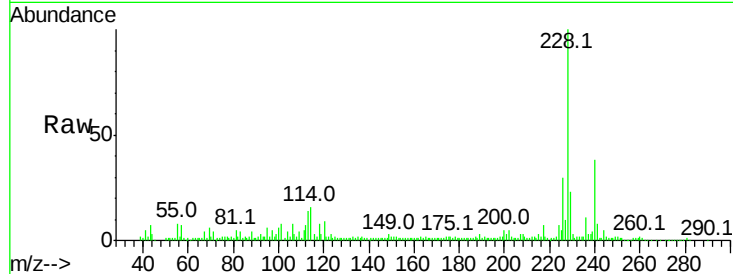
#80
Benzo(a)anthracene
Concen: 5.829 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :
SP-1-D-COMP

Tot Ion:	228	Resp:	103167
Ion Ratio		Lower	Upper
228	100		
226	30.3	22.6	33.8
229	23.3	15.8	23.6

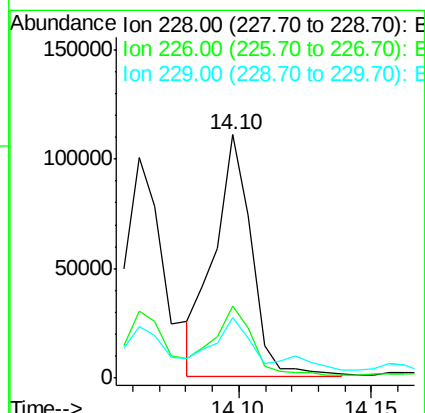
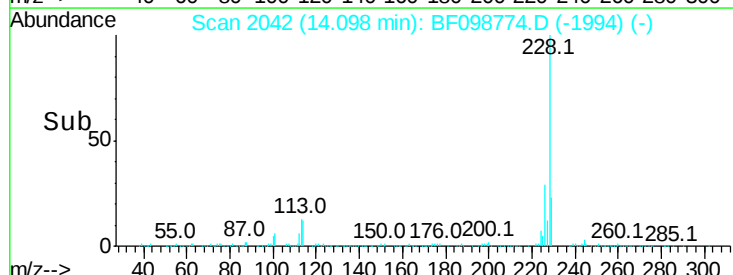
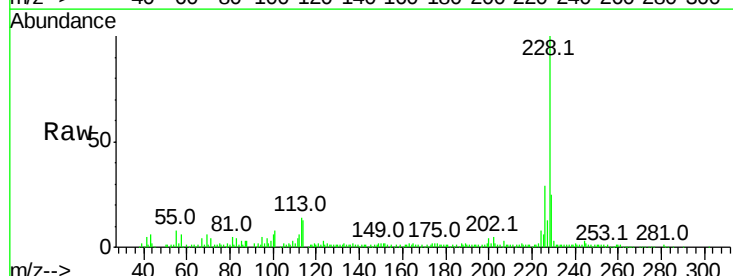
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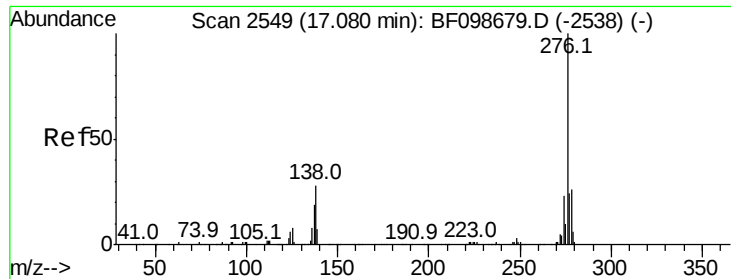
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#82
Chrysene
Concen: 6.480 ng m
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion:	228	Resp:	109183
Ion Ratio		Lower	Upper
228	100		
226	29.5	25.0	37.6
229	24.7	16.2	24.4#





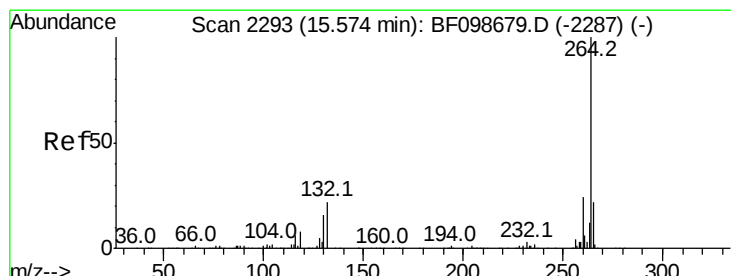
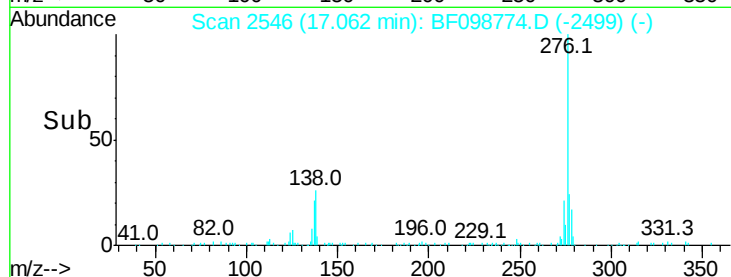
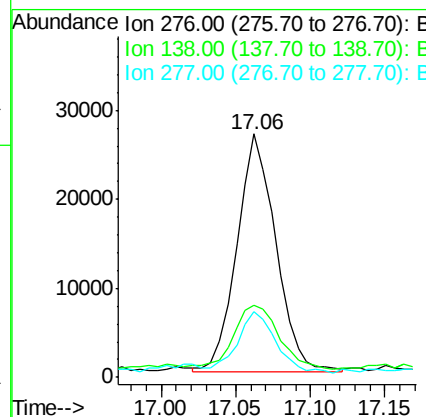
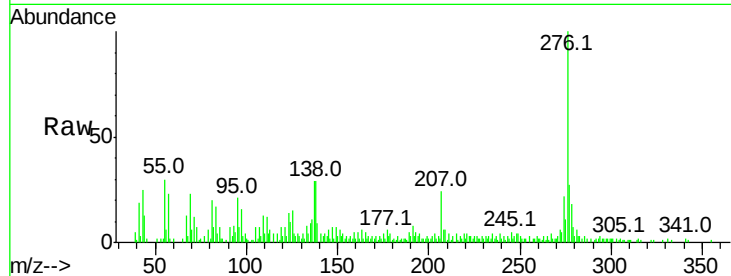
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.623 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-D-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	25.4	20.1	30.1

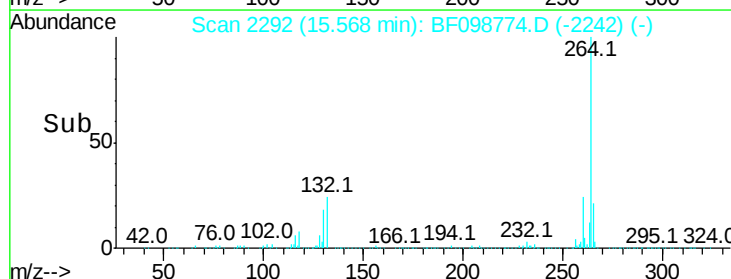
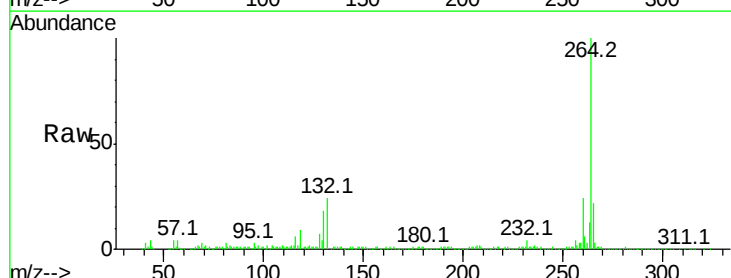
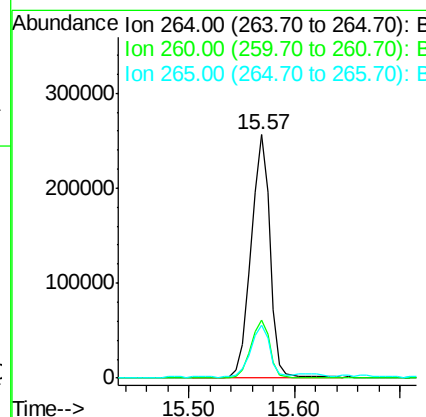
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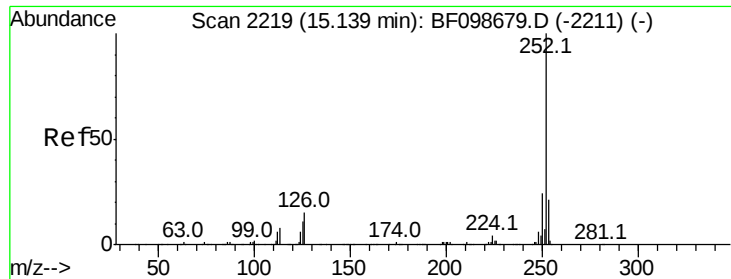
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3





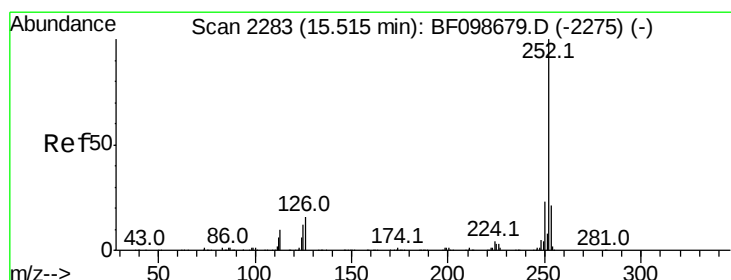
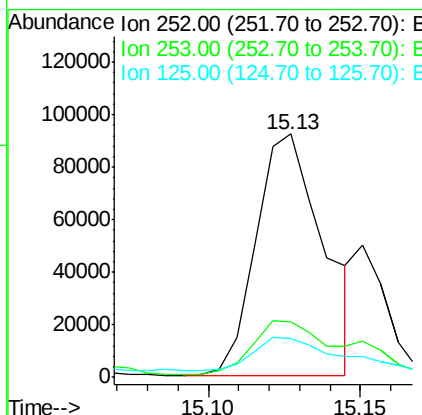
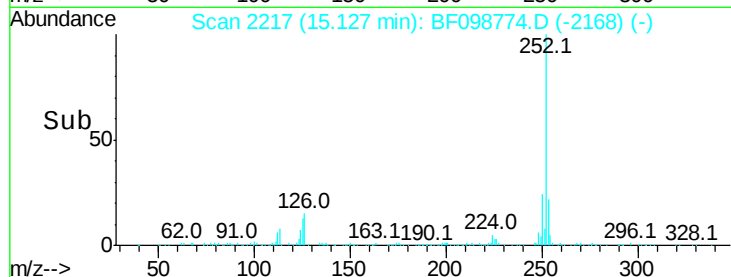
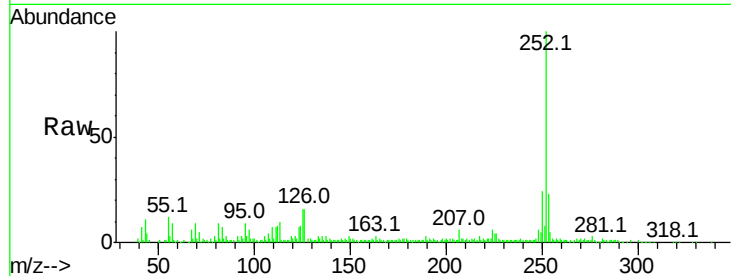
#87
Benzo(b)fluoranthene
Concen: 7.222 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Instrument :
BNA_F
ClientSampleId :
SP-1-D-COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	141490		
253	22.9	17.0	25.6	
125	16.2	9.0	13.6	

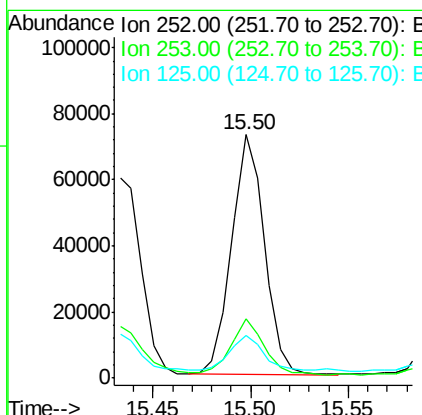
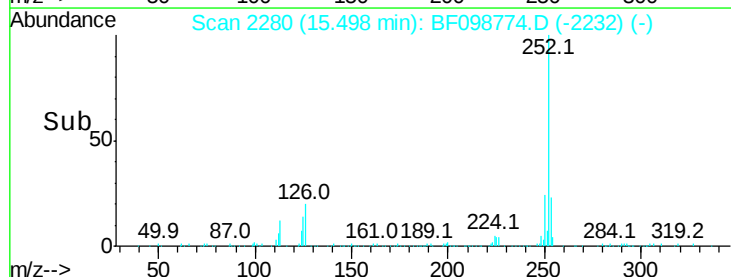
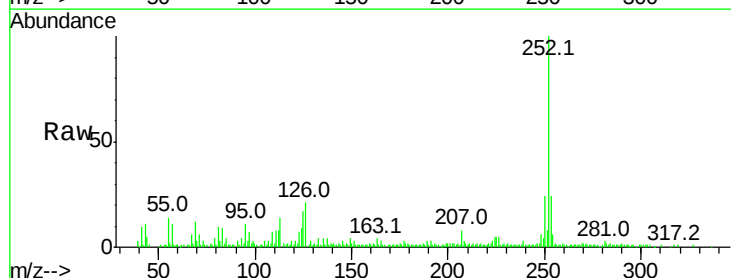
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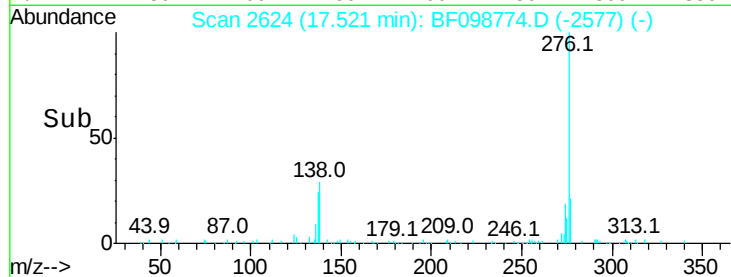
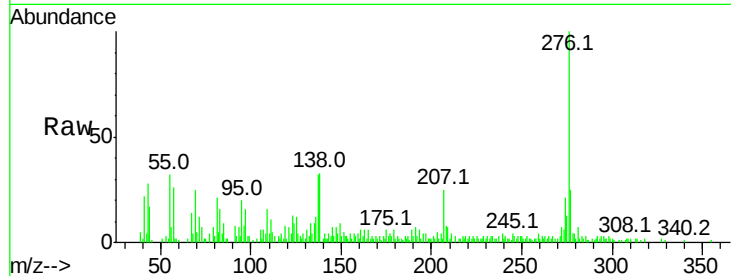
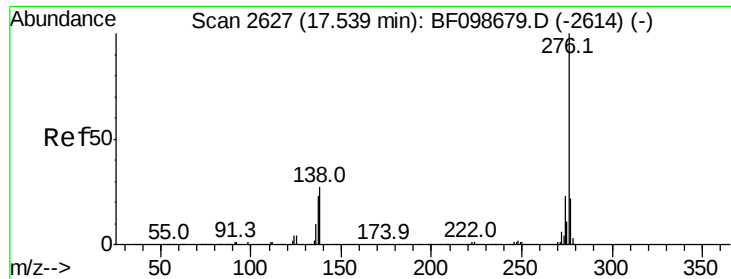
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#89
Benzo(a)pyrene
Concen: 4.724 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098774.D
Acq: 25 Sep 2017 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	84966		
253	24.1	17.1	25.7	
125	17.4	9.8	14.6	





#91
 Benzo(a,h,i)perylene
 Concen: 3.304 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF098774.D
 Acq: 25 Sep 2017 10:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-D-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	33.3	21.8	32.8

Manual Integrations
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