

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF078994.D
 Acq On : 7 May 2015 14:24
 Operator : TP/IZ
 Sample : G2035-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS

Manual Integrations
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Quant Time: May 08 01:19:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	69974	20.00	ng	0.00
21) Naphthalene-d8	8.91	136	294763	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	148714	20.00	ng	0.00
63) Phenanthrene-d10	12.94	188	287628	20.00	ng	0.00
75) Chrysene-d12	16.29	240	318503	20.00	ng	0.01
86) Perylene-d12	18.16	264	345208	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	431630	106.18	ng	0.00
7) Phenol-d6	6.89	99	554657	103.23	ng	0.00
23) Nitrobenzene-d5	8.03	82	325135	63.39	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	164166	102.04	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	617282	57.83	ng	0.00
78) Terphenyl-d14	14.94	244	701035	52.70	ng	0.00
Target Compounds						
32) Benzoic acid	8.56	122	3789	7.56	ng	Qvalue # 85
49) Dimethylphthalate	10.76	163	27461	2.52	ng	99
70) Phenanthrene	12.97	178	153302	9.53	ng	98
71) Anthracene	13.03	178	56786	3.60	ng	97
74) Fluoranthene	14.46	202	324322	19.34	ng	92
77) Pyrene	14.73	202	280721	15.30	ng	97
80) Benzo(a)anthracene	16.26	228	183658	10.53	ng	97
82) Chrysene	16.31	228	147805	8.81	ng	96
85) Indeno(1,2,3-cd)pyrene	19.68	276	104848	4.91	ng	# 100
87) Benzo(b)fluoranthene	17.68	252	202922m	10.74	ng	
88) Benzo(k)fluoranthene	17.70	252	82474m	4.51	ng	
89) Benzo(a)pyrene	18.09	252	161037	9.26	ng	# 96
91) Benzo(a,h,i)perylene	20.13	276	94772	5.11	ng	96

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

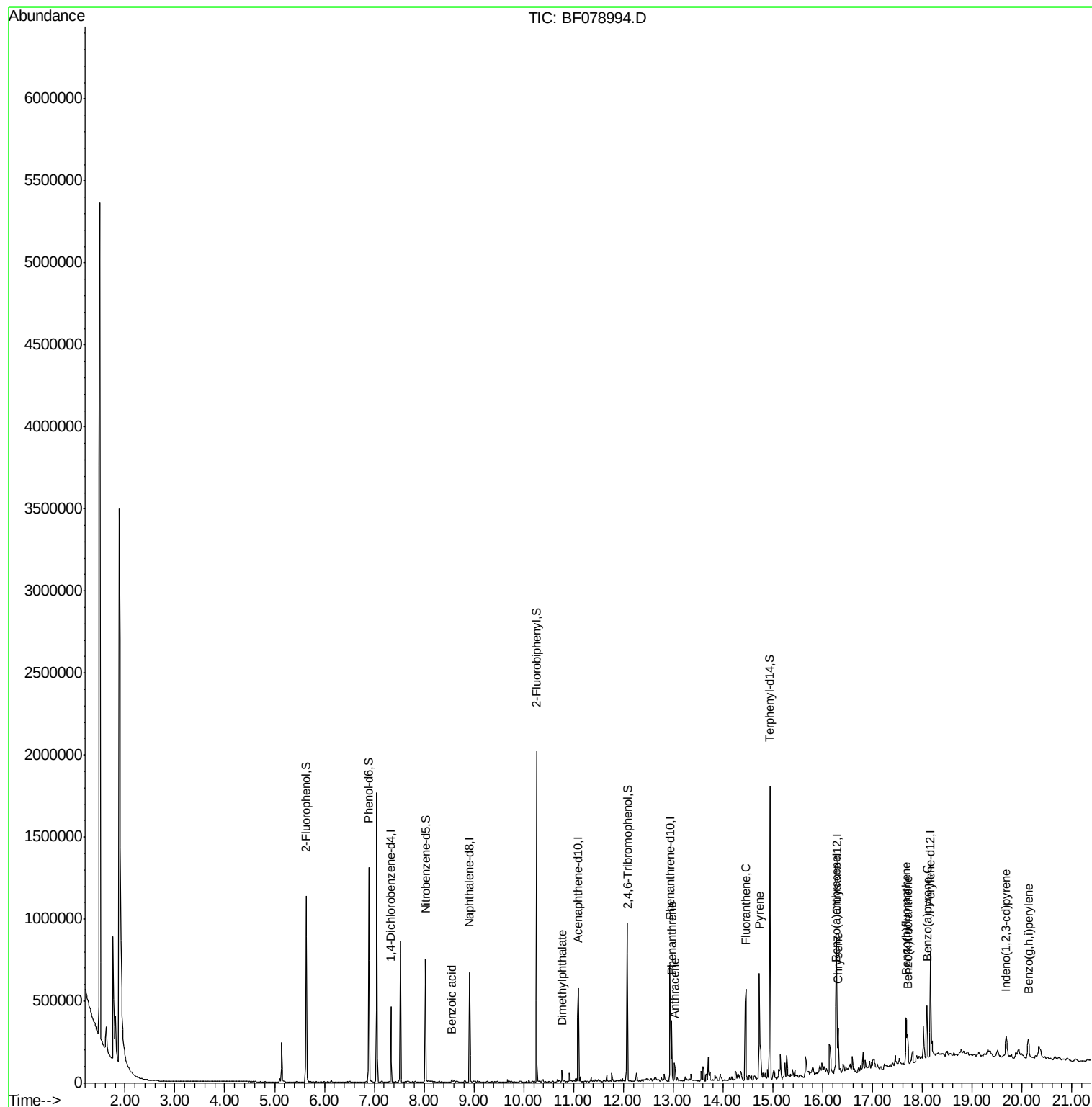
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
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ALS Vial : 5 Sample Multiplier: 1

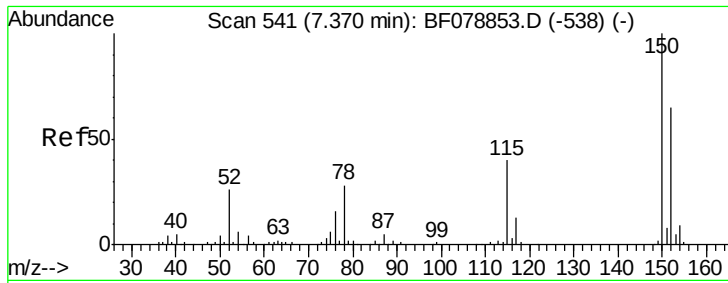
Instrument :
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TP-16-SS

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Quant Time: May 08 01:19:22 2015
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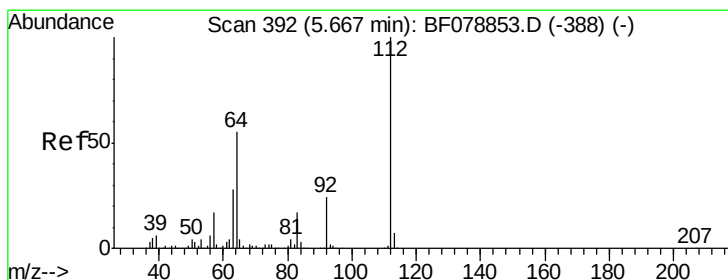
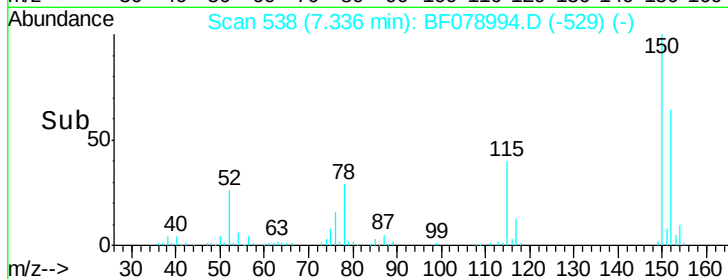
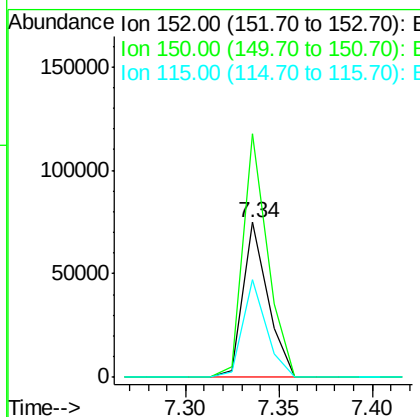
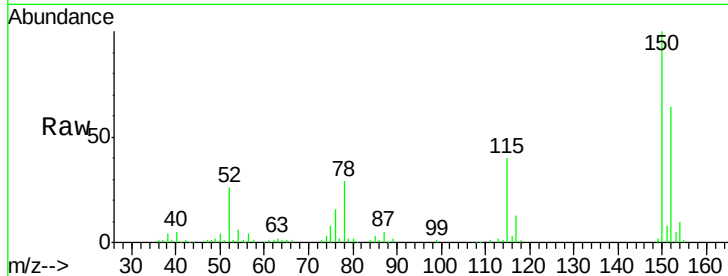
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.34 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	122.0	183.0
115	63.1	46.3	69.5

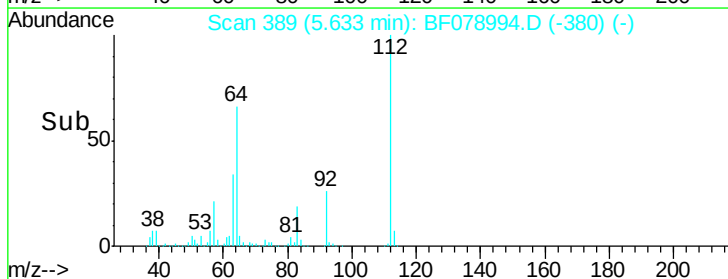
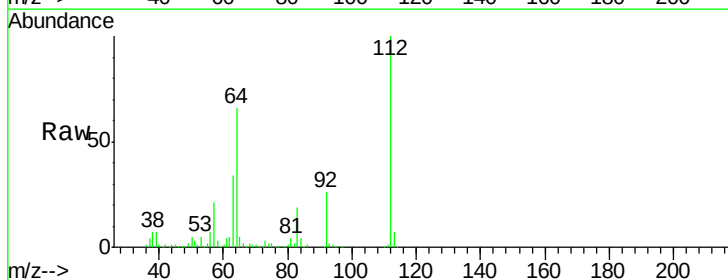
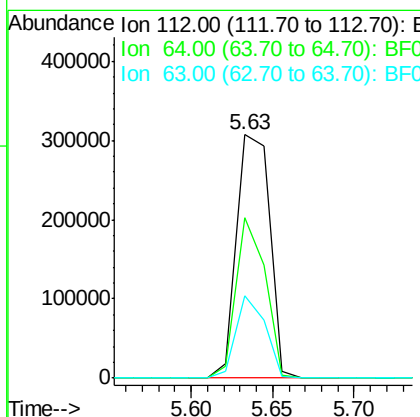
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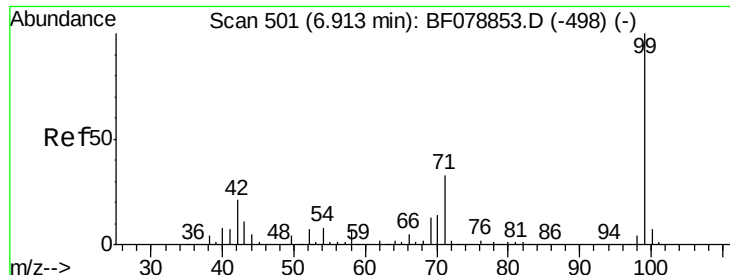
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#5
2-Fluorophenol
Concen: 106.18 ng
RT: 5.63 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	53.5	80.3
63	34.0	27.5	41.3





#7

Phenol-d6

Concen: 103.23 ng

RT: 6.89 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Instrument :

BNA_F

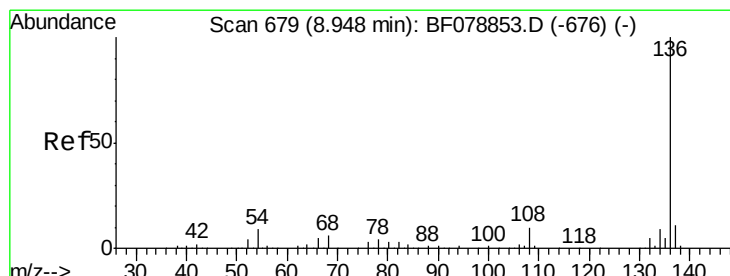
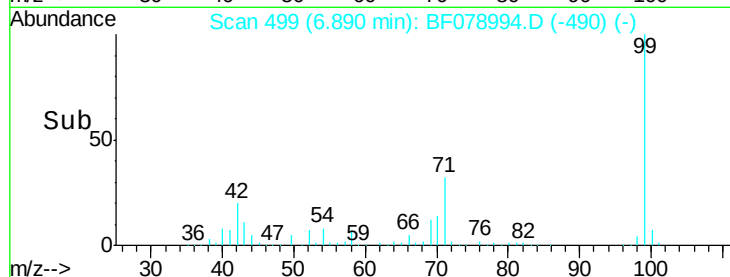
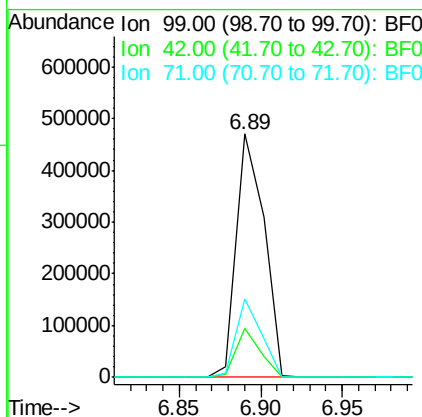
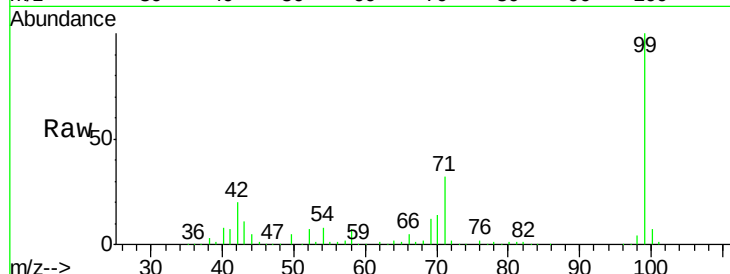
ClientSampleId :

TP-16-SS

Tot Ion:	99	Resp:	554657
Ion Ratio	Lower	Upper	
99	100		
42	20.3	12.8	19.2#
71	32.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

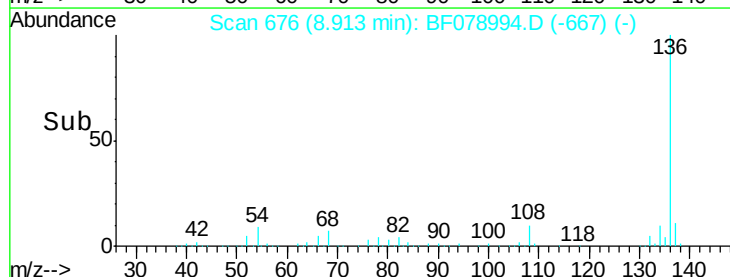
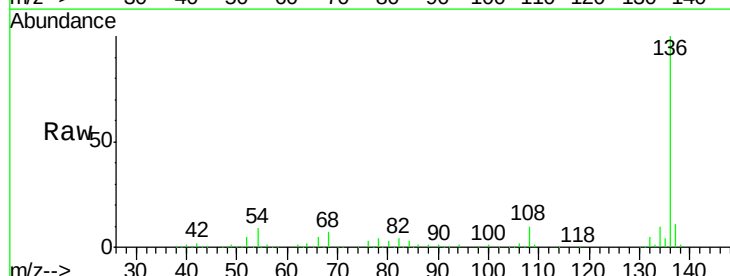
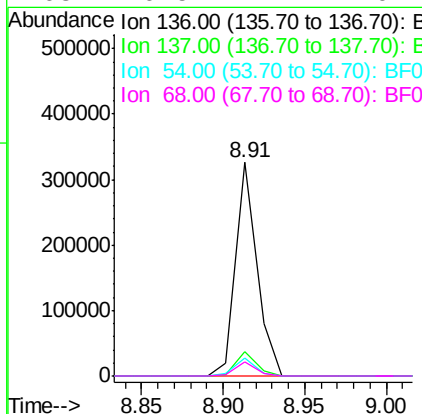
RT: 8.91 min Scan# 676

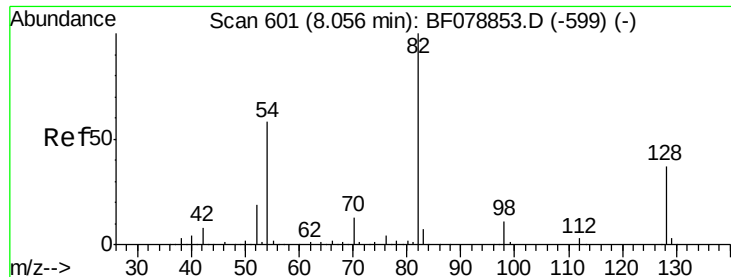
Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Tgt Ion:	136	Resp:	294763
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.7	13.1
54	8.6	5.8	8.8
68	6.5	4.2	6.4#





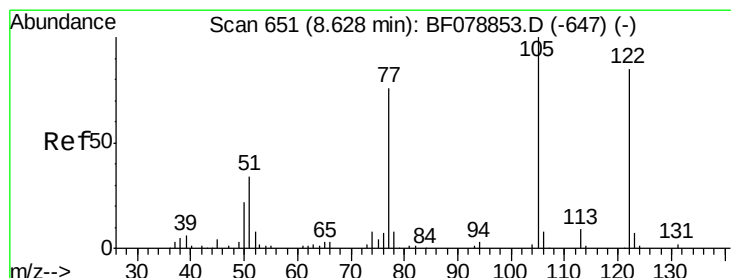
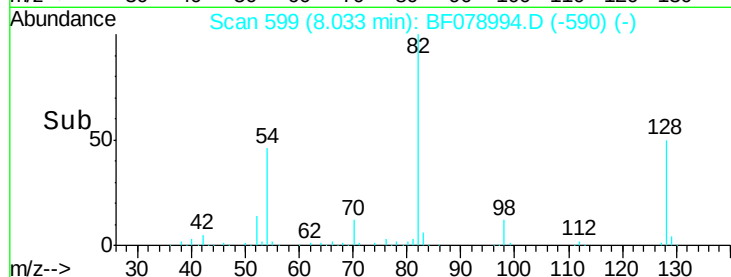
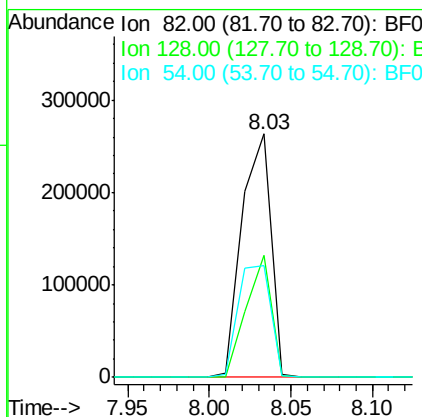
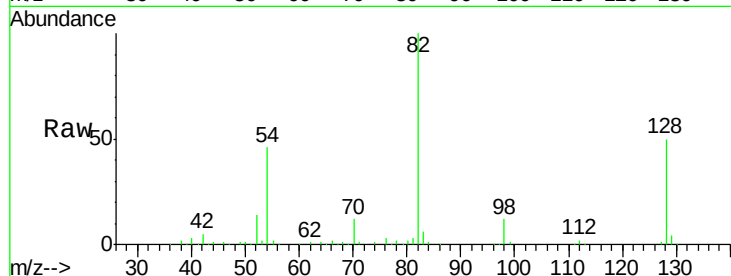
#23
Nitrobenzene-d5
Concen: 63.39 ng
RT: 8.03 min Scan# 599
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.0	30.0	45.0#	
54	45.8	46.4	69.6#	

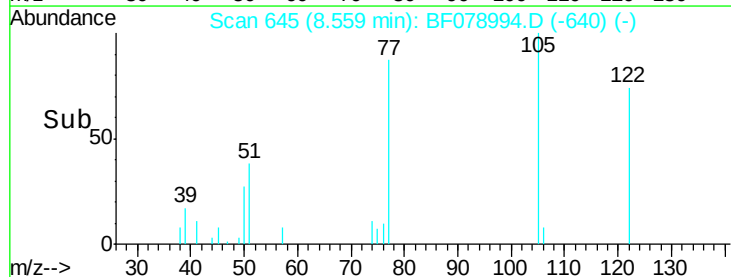
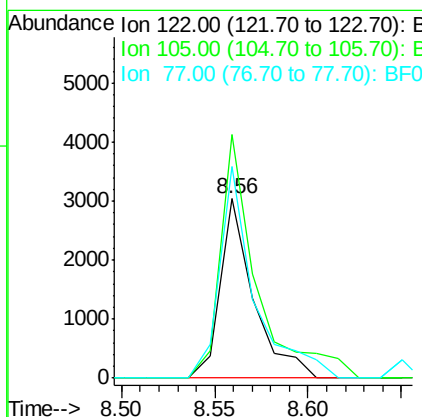
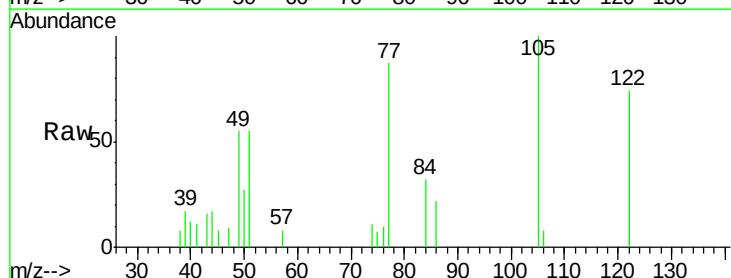
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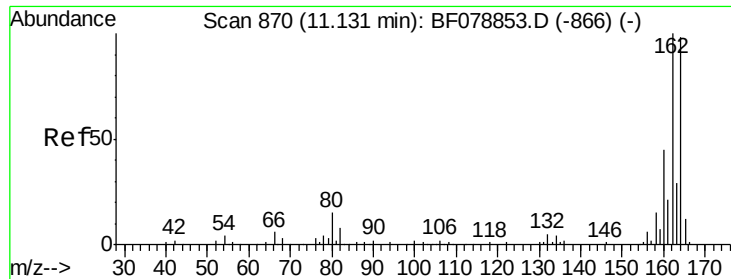
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#32
Benzoic acid
Concen: 7.56 ng
RT: 8.56 min Scan# 645
Delta R.T. -0.05 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	135.7	107.1	147.1	
77	118.2	73.9	113.9#	





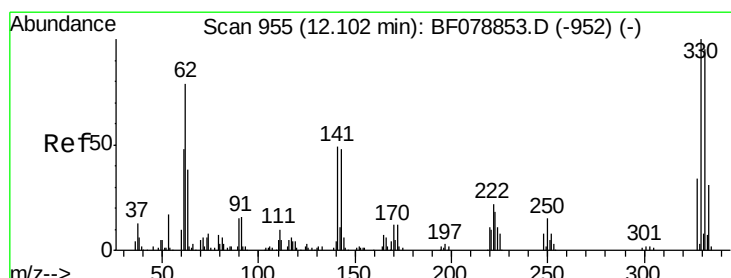
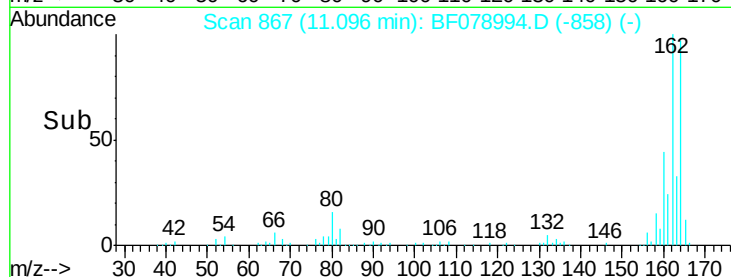
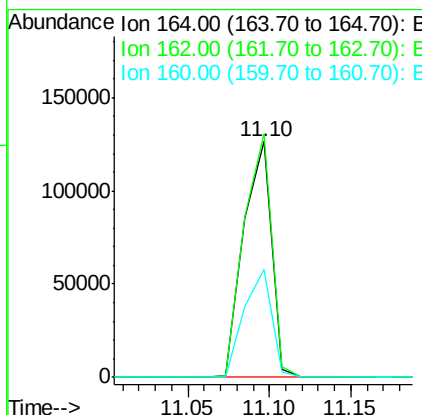
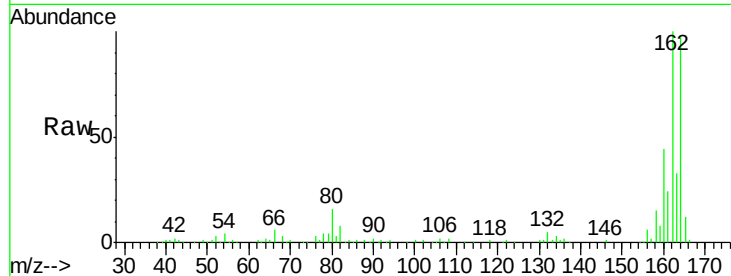
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	82.7	124.1	
160	45.9	35.8	53.8	

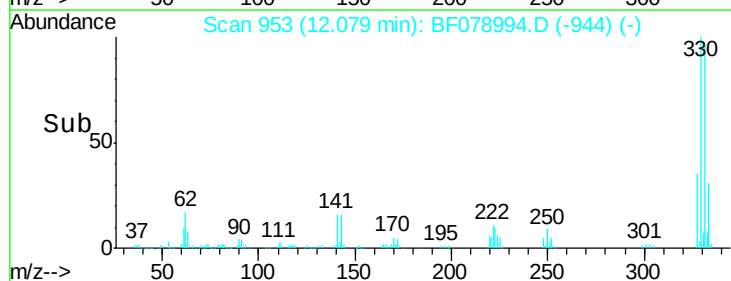
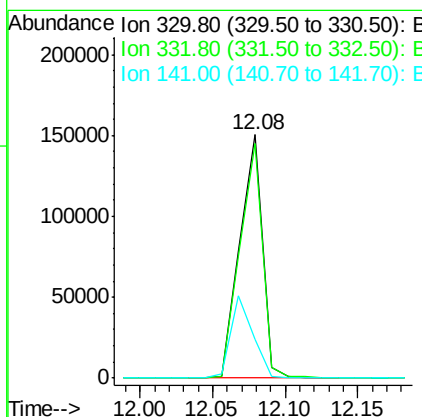
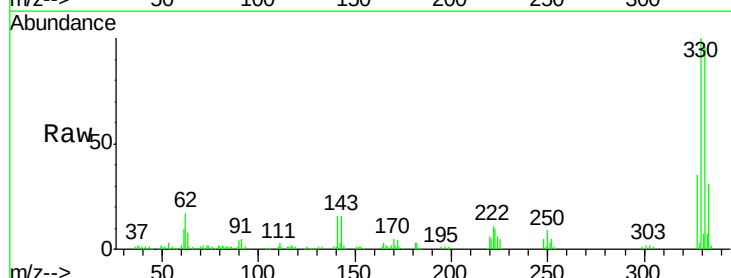
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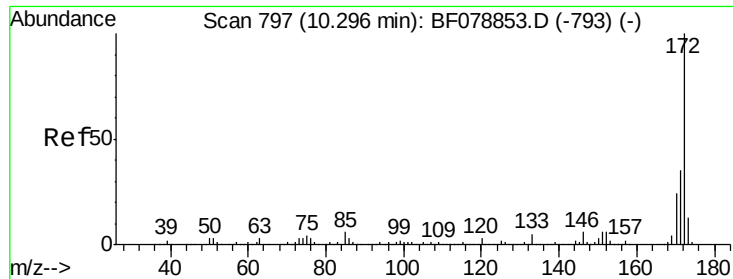
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#41
2,4,6-Tribromophenol
Concen: 102.04 ng
RT: 12.08 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	0.0	0.0#	
141	33.1	0.0	0.0#	





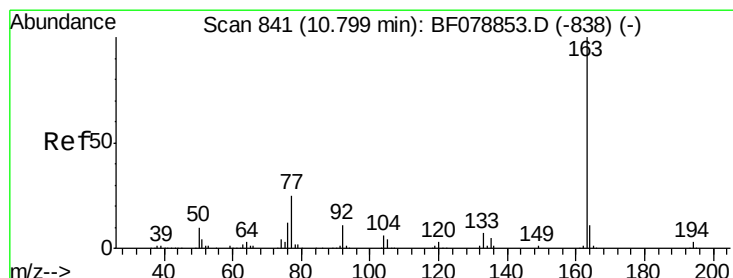
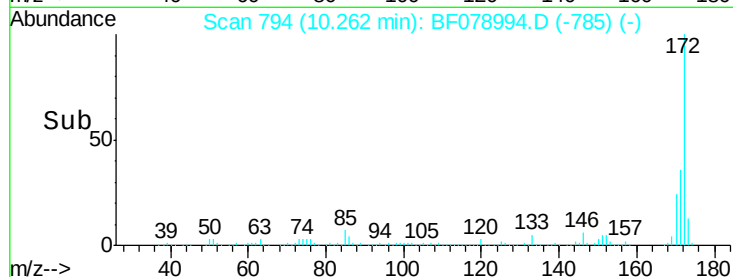
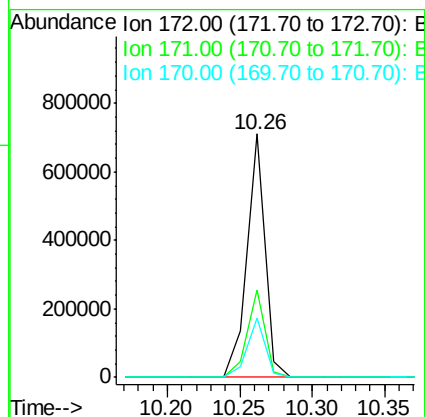
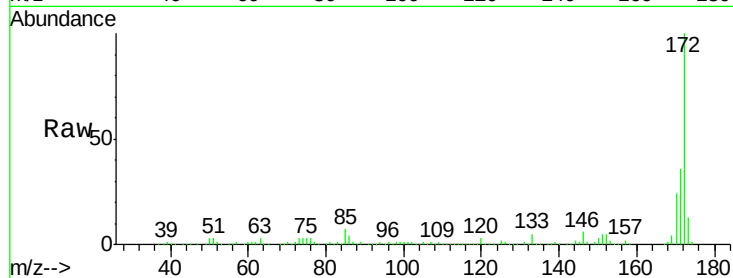
#44
2-Fluorobiphenyl
Concen: 57.83 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.9	41.9
170	24.3	19.4	29.0

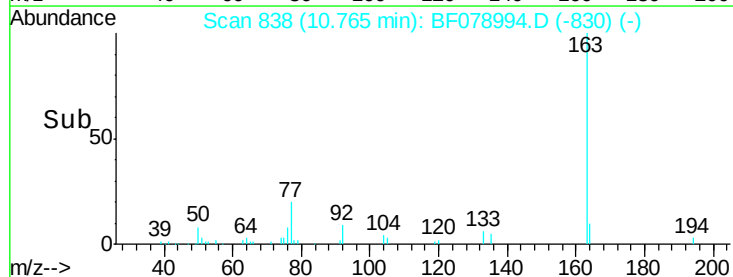
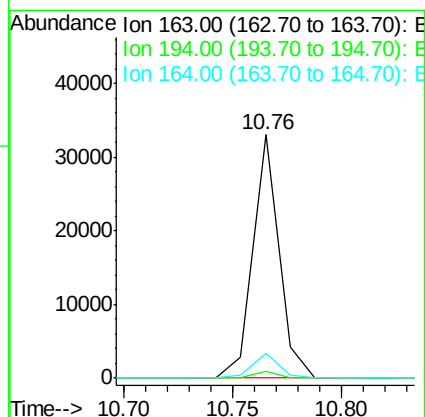
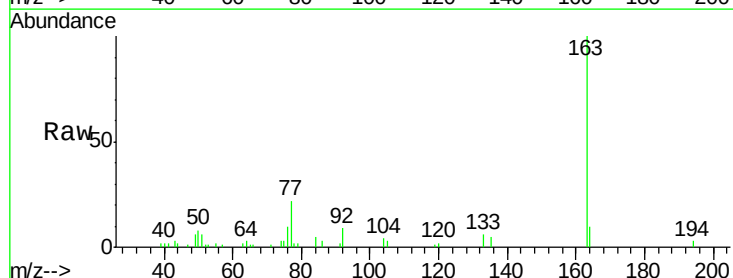
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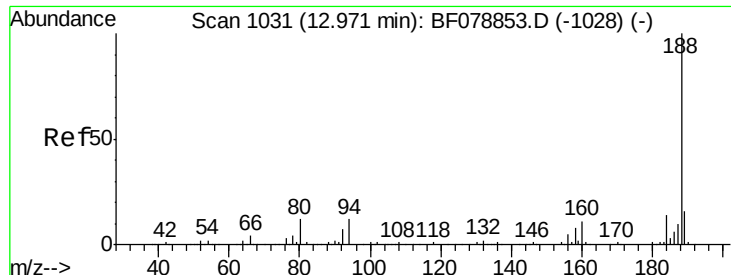
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#49
Dimethylphthalate
Concen: 2.52 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.4	8.1	12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.94 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Instrument :

BNA_F

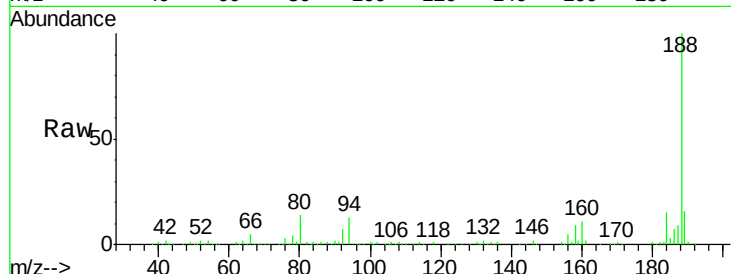
ClientSampleId :

TP-16-SS

Tot Ion:	188	Resp:	287628
Ion Ratio	Lower	Upper	
188	100		
94	13.5	8.2	12.2#
80	13.7	8.9	13.3#

Manual Integrations
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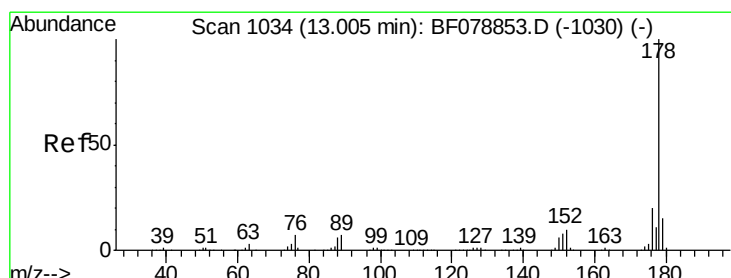
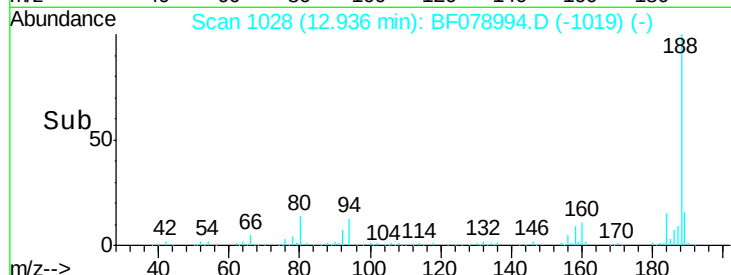
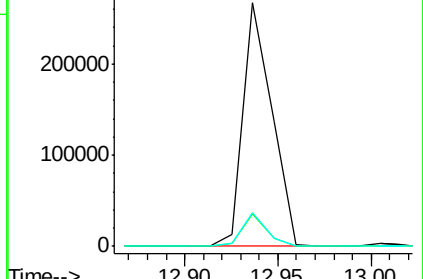
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 9.53 ng

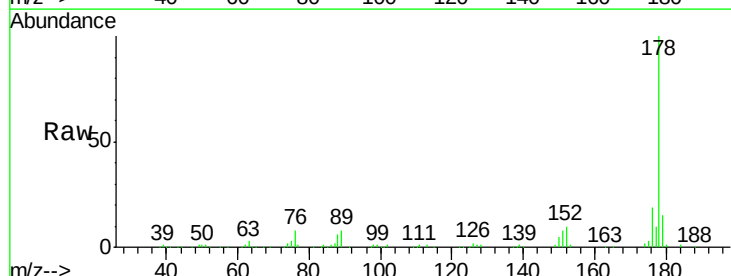
RT: 12.97 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

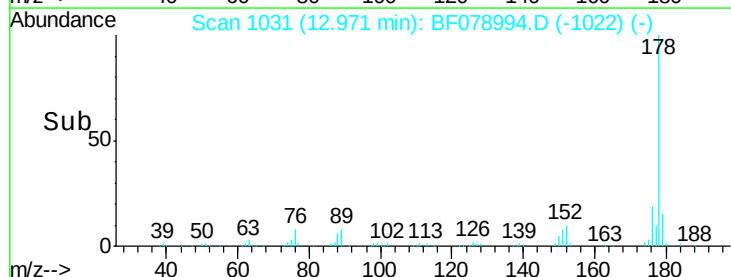
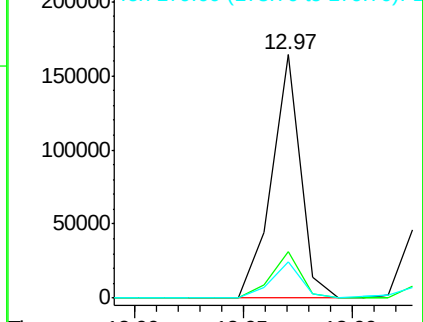
Tgt Ion:	178	Resp:	153302
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	14.7	12.5	18.7

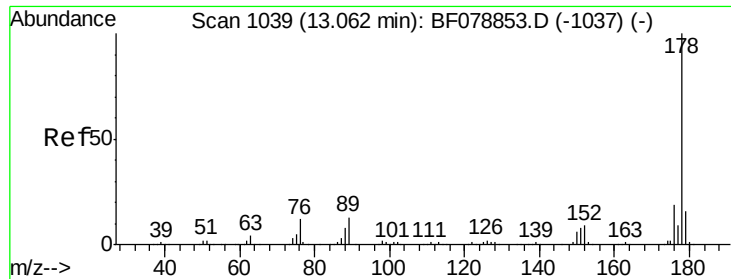


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





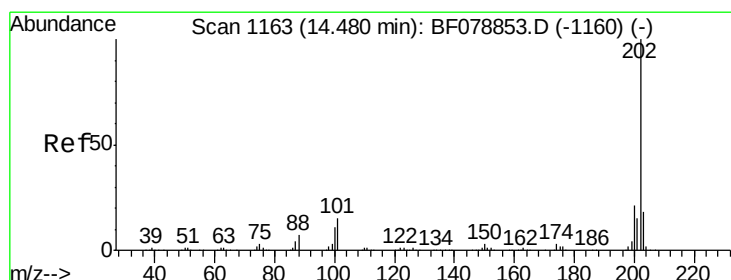
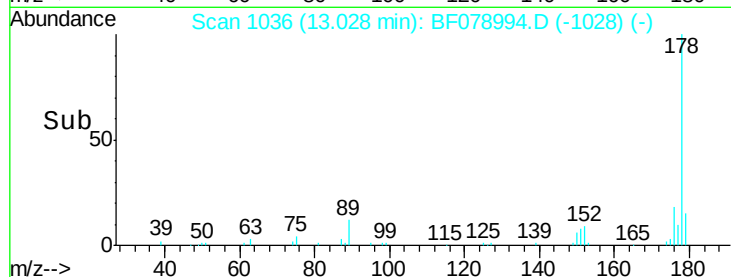
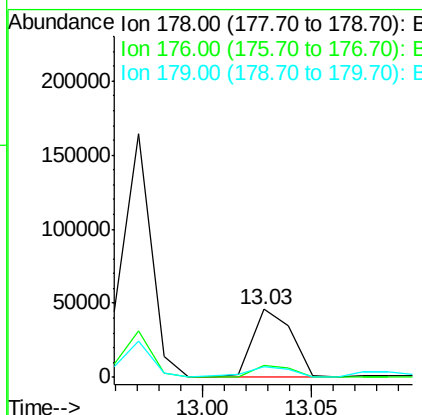
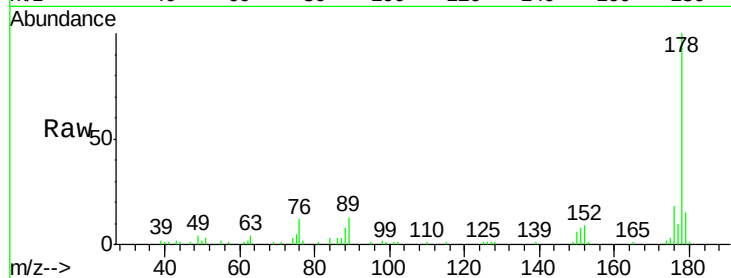
#71
 Anthracene
 Concen: 3.60 ng
 RT: 13.03 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF078994.D
 Acq: 7 May 2015 14:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.5	23.3
179	15.4	12.7	19.1

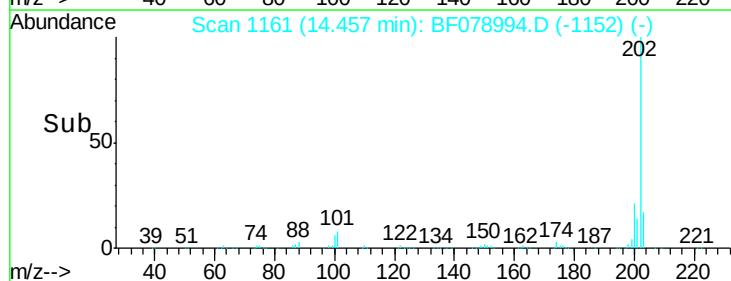
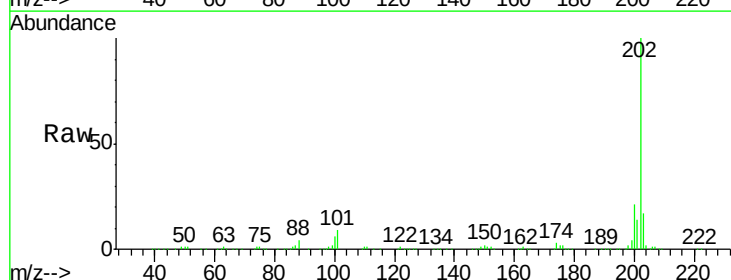
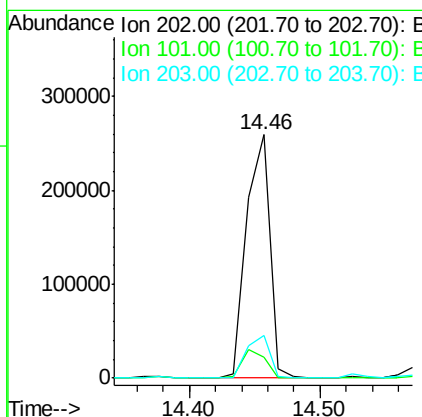
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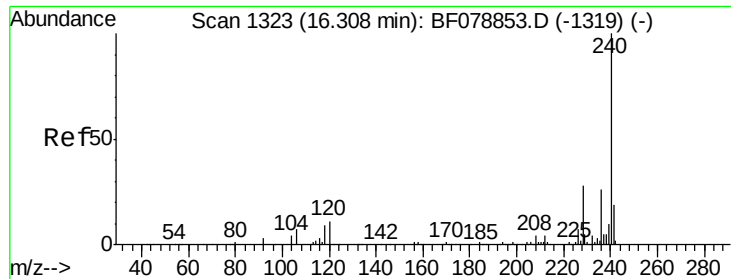
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#74
 Fluoranthene
 Concen: 19.34 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BF078994.D
 Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	34.6
203	17.4	0.0	38.4





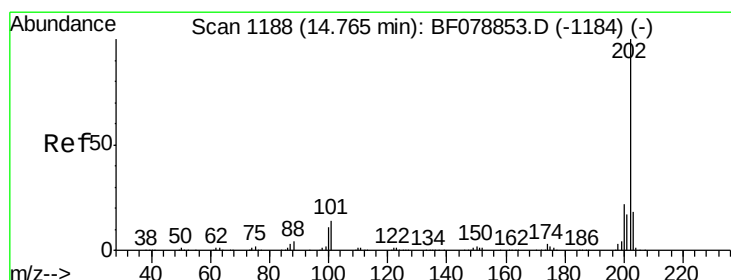
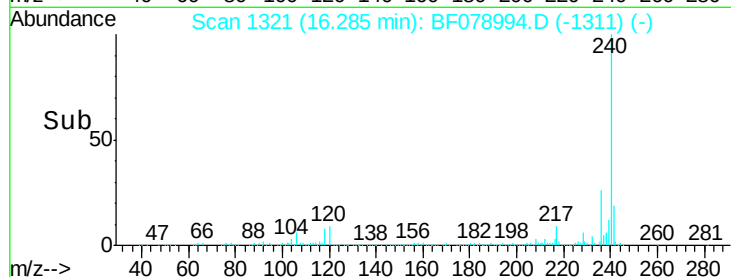
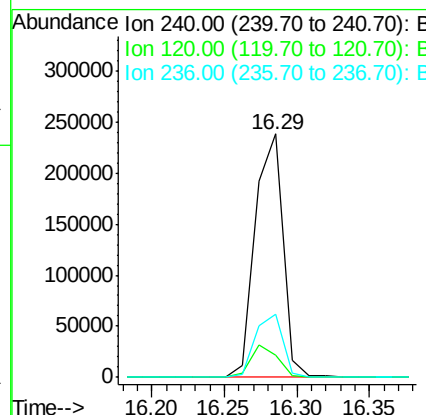
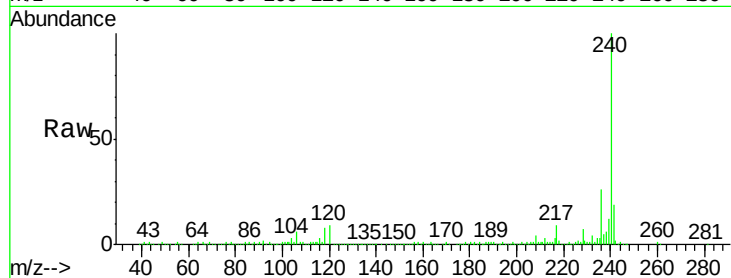
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tot Ion	Ratio	Resp	Lower	Upper
240	100	318503		
120	9.0		9.7	14.5#
236	25.8		20.2	30.4

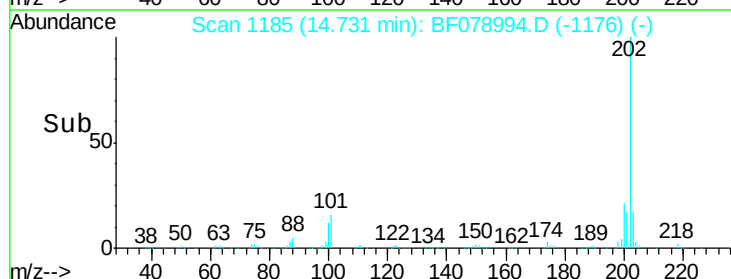
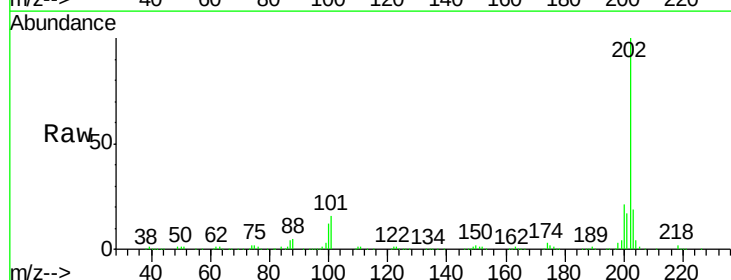
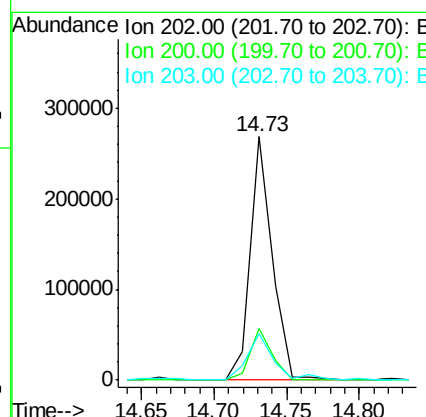
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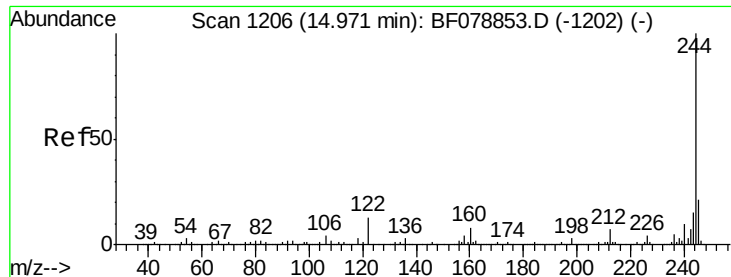
apatel
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#77
Pyrene
Concen: 15.30 ng
RT: 14.73 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	280721		
200	20.9		17.5	26.3
203	19.1		13.9	20.9





#78

Terphenyl-d14

Concen: 52.70 ng

RT: 14.94 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Instrument :

BNA_F

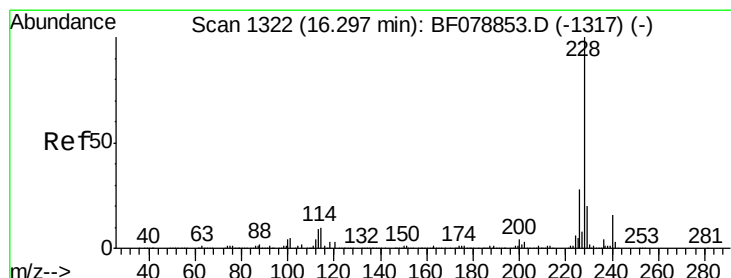
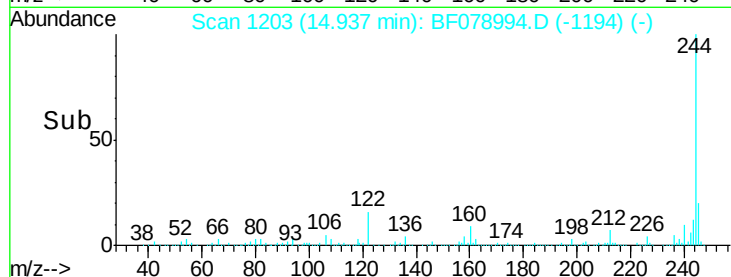
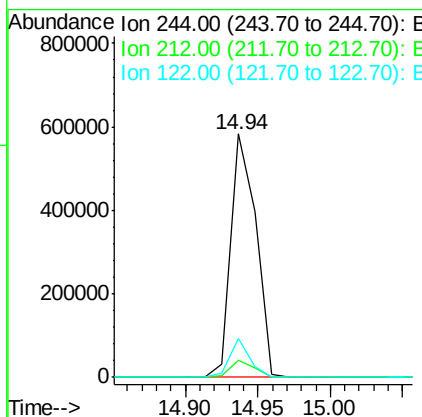
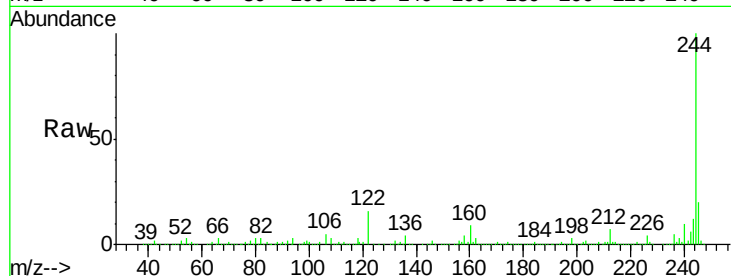
ClientSampleId :

TP-16-SS

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.6	8.4
122	15.8	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 10.53 ng

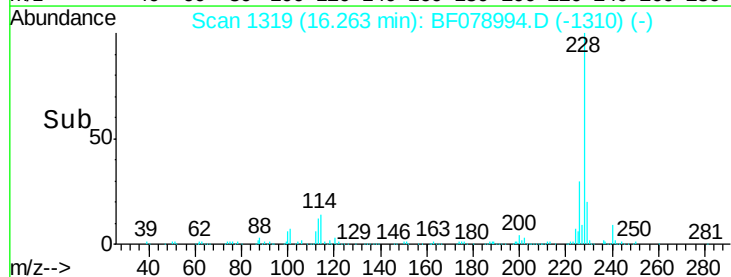
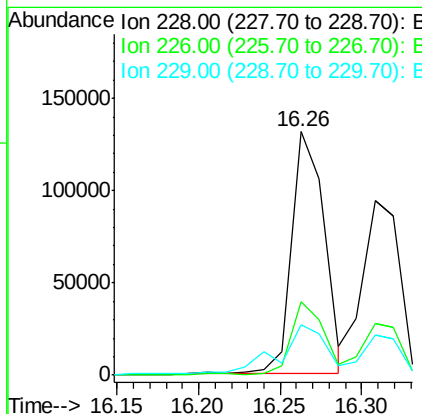
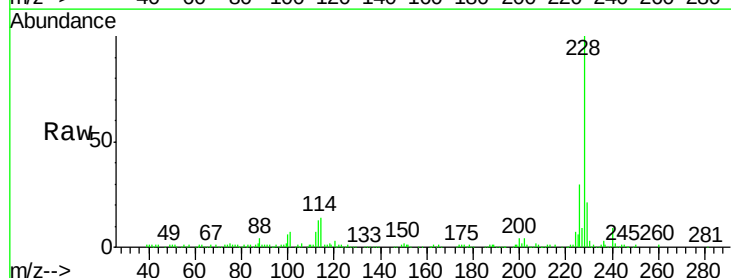
RT: 16.26 min Scan# 1319

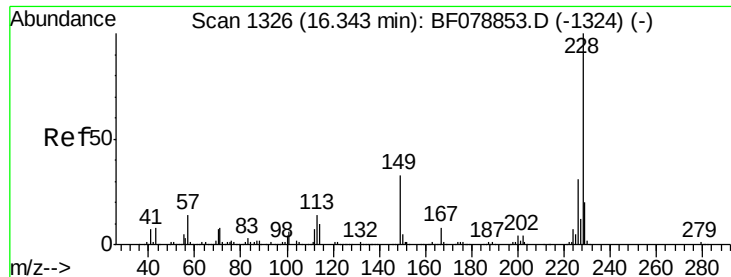
Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.2	22.6	33.8
229	20.8	15.9	23.9





#82

Chrysene

Concen: 8.81 ng

RT: 16.31 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Instrument :

BNA_F

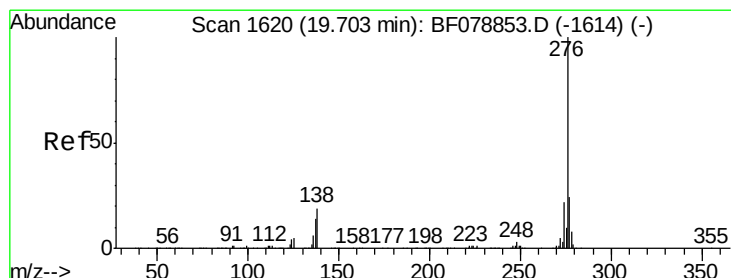
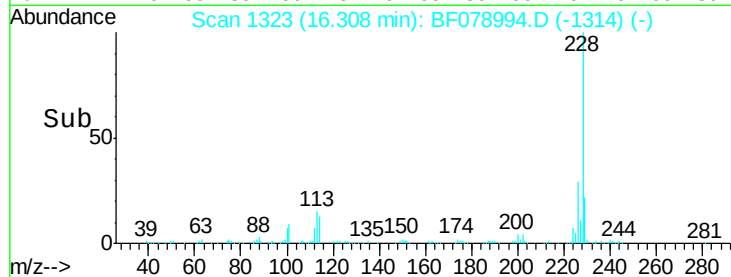
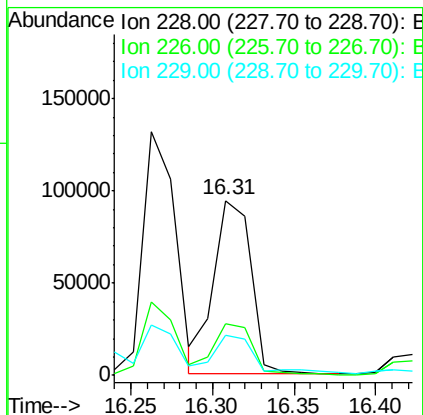
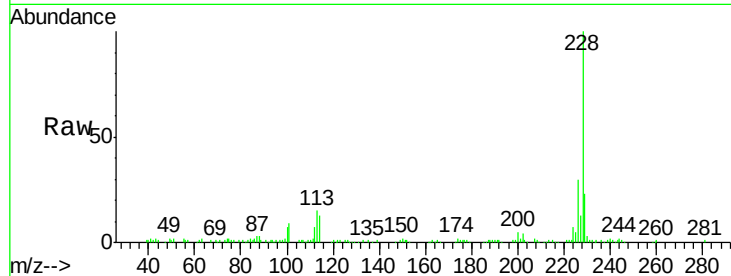
ClientSampled :

TP-16-SS

Tot Ion:	228	Resp:	147805
Ion Ratio		Lower	Upper
228	100		
226	29.6	24.9	37.3
229	23.2	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.91 ng

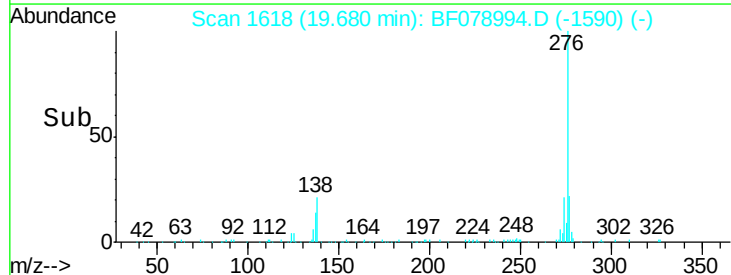
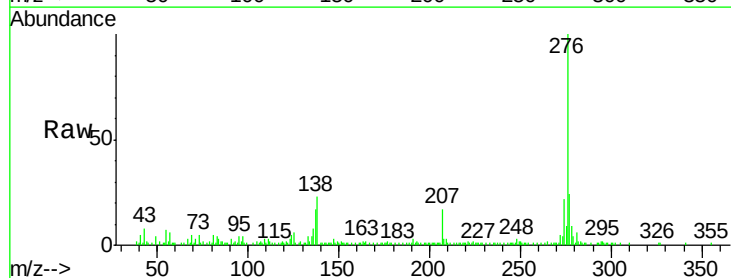
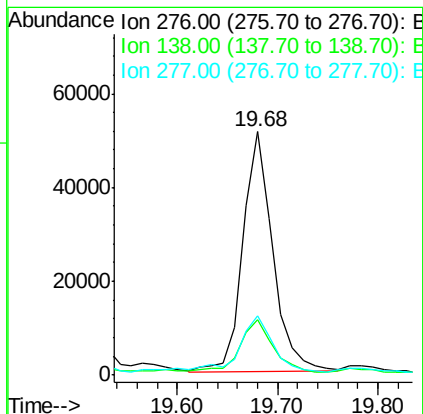
RT: 19.68 min Scan# 1618

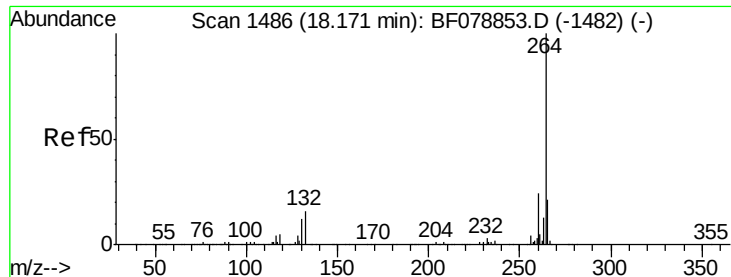
Delta R.T. 0.02 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Tgt Ion:	276	Resp:	104848
Ion Ratio		Lower	Upper
276	100		
138	25.5	0.0	0.0#
277	29.0	0.0	0.0#





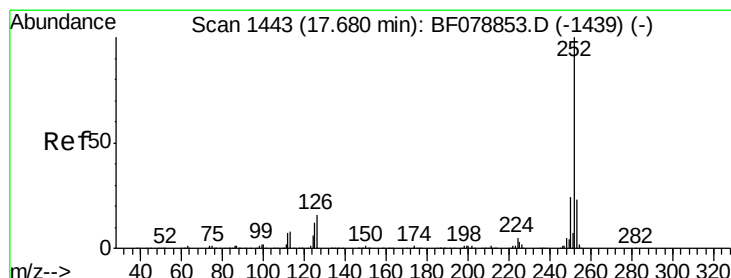
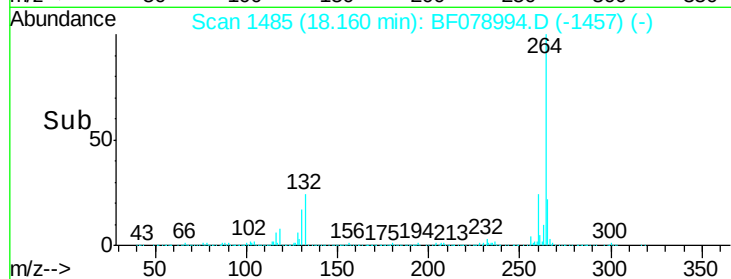
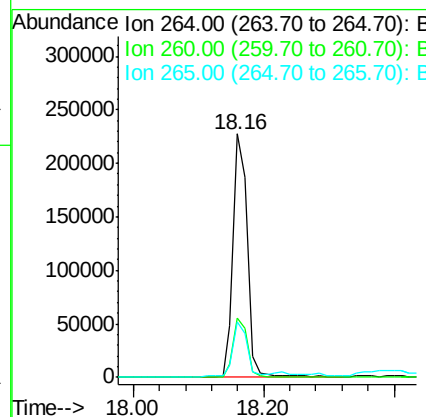
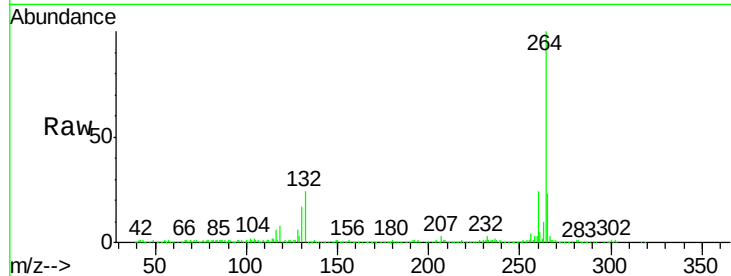
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.16 min Scan# 1485
Delta R.T. 0.02 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tot Ion	Ratio	Resp	Lower	Upper
264	100	345208		
260	24.3	19.4	29.2	
265	22.6	18.3	27.5	

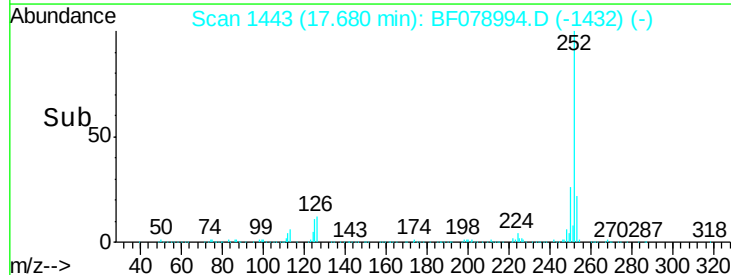
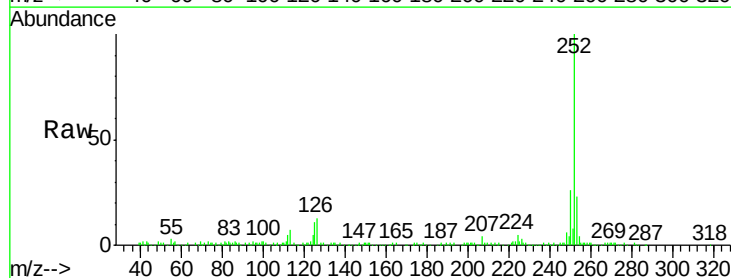
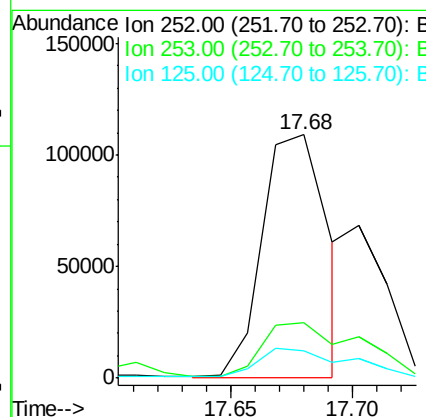
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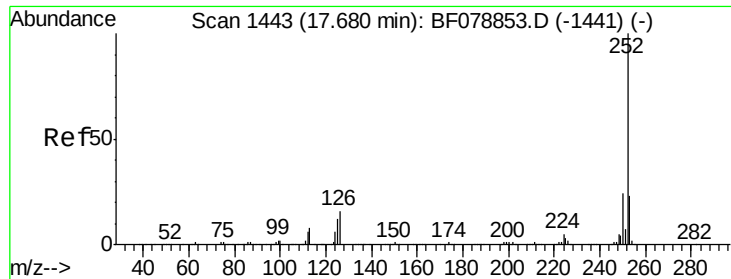
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#87
Benzo(b)fluoranthene
Concen: 10.74 ng m
RT: 17.68 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF078994.D
Acq: 7 May 2015 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	202922		
253	22.9	17.7	26.5	
125	11.2	9.5	14.3	





#88

Benzo(k)fluoranthene

Concen: 4.51 ng

RT: 17.70 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Instrument :

BNA_F

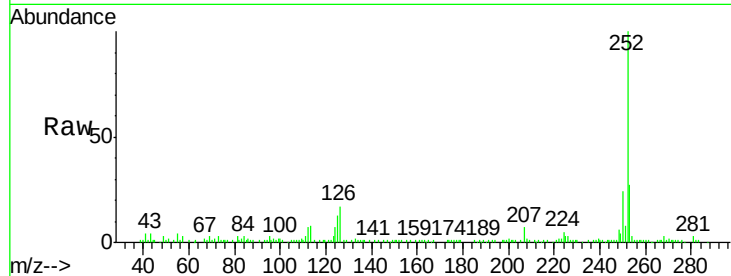
ClientSampled :

TP-16-SS

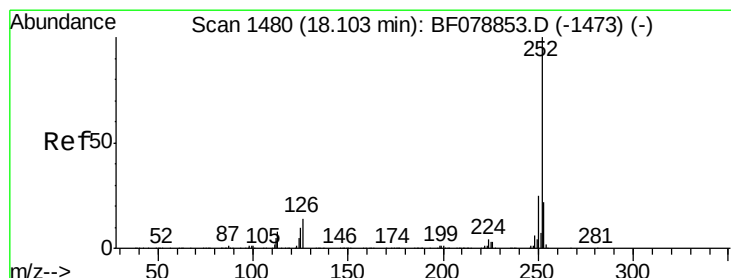
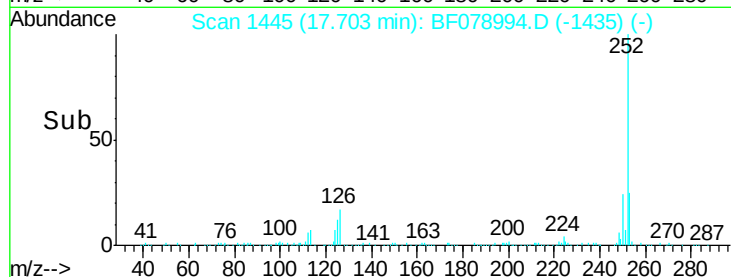
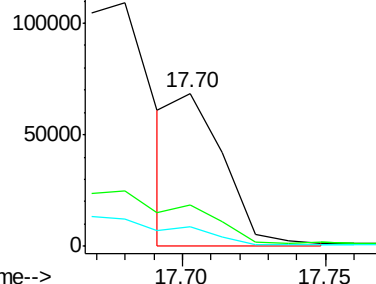
Tot Ion:	252	Resp:	82474
Ion Ratio	Lower	Upper	
252	100		
253	26.7	18.1	27.1
125	12.5	10.0	15.0

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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(a)pyrene

Concen: 9.26 ng

RT: 18.09 min Scan# 1479

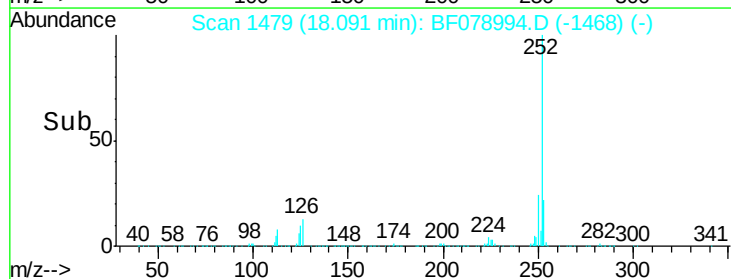
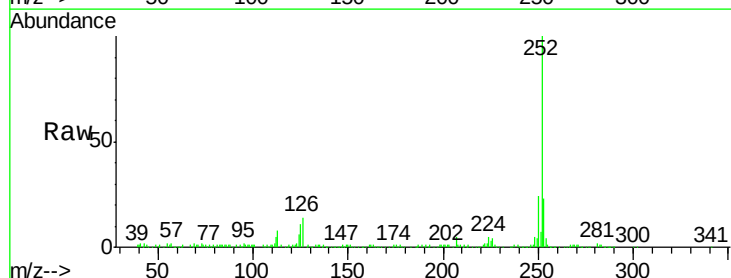
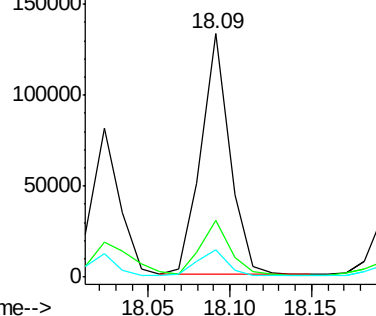
Delta R.T. 0.02 min

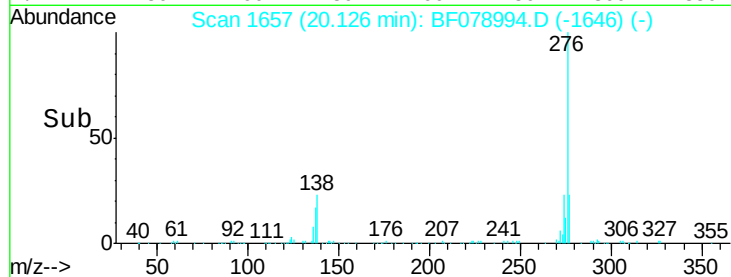
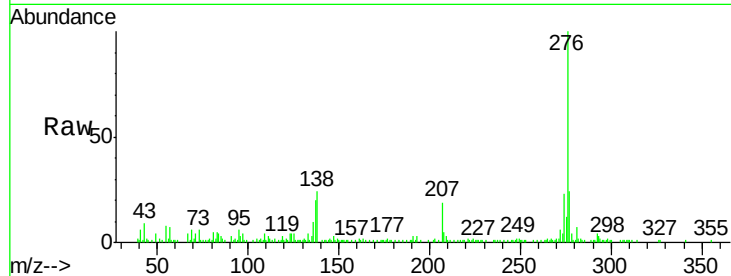
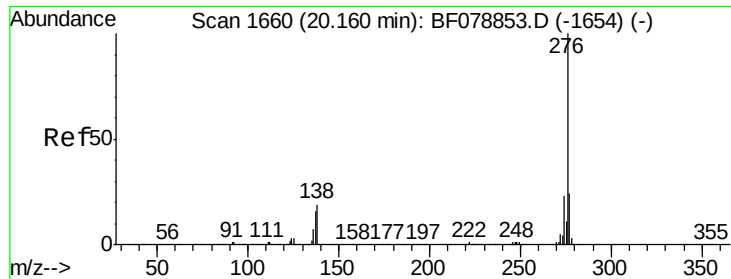
Lab File: BF078994.D

Acq: 7 May 2015 14:24

Tgt Ion:	252	Resp:	161037
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.3	25.9
125	11.1	7.0	10.6

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





#91

Benzo(a,h,i)perylene

Concen: 5.11 ng

RT: 20.13 min Scan# 1657

Delta R.T. 0.02 min

Lab File: BF078994.D

Acq: 7 May 2015 14:24

Instrument :

BNA_F

ClientSampleId :

TP-16-SS

Tot Ion:	276	Resp:	94772
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	24.2	17.4	26.0

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