

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087078.D
 Acq On : 16 May 2016 13:42
 Operator : UM/SJ
 Sample : H2968-09RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02RE

Manual Integrations
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Quant Time: May 17 12:37:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 01:12:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	185514	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	743489	20.00	ng	0.00
38) Acenaphthene-d10	9.64	164	319536	20.00	ng	0.00
63) Phenanthrene-d10	11.12	188	487909	20.00	ng	0.00
75) Chrysene-d12	13.75	240	381892	20.00	ng	-0.01
86) Perylene-d12	15.11	264	333025	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	440471	40.21	ng	0.00
7) Phenol-d6	6.27	99	726386	49.62	ng	-0.01
23) Nitrobenzene-d5	7.18	82	456421	30.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	173164	51.19	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	704136	37.04	ng	-0.01
78) Terphenyl-d14	12.71	244	726675	40.37	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.37	163	85441	3.50	ng	99
70) Phenanthrene	11.14	178	192871	7.41	ng	99
74) Fluoranthene	12.33	202	438632	16.38	ng	91
77) Pyrene	12.55	202	358679	12.27	ng	99
80) Benzo(a)anthracene	13.74	228	216787	10.11	ng	95
82) Chrysene	13.77	228	183276	8.40	ng	98
85) Indeno(1,2,3-cd)pyrene	16.35	276	114921	6.33	ng	# 89
87) Benzo(b)fluoranthene	14.74	252	287862m	13.30	ng	
88) Benzo(k)fluoranthene	14.75	252	110892m	6.26	ng	
89) Benzo(a)pyrene	15.06	252	180557m	9.67	ng	
90) Dibenzo(a,h)anthracene	16.37	278	33457	2.13	ng	# 89
91) Benzo(a,h,i)perylene	16.73	276	107369	6.72	ng	# 93

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

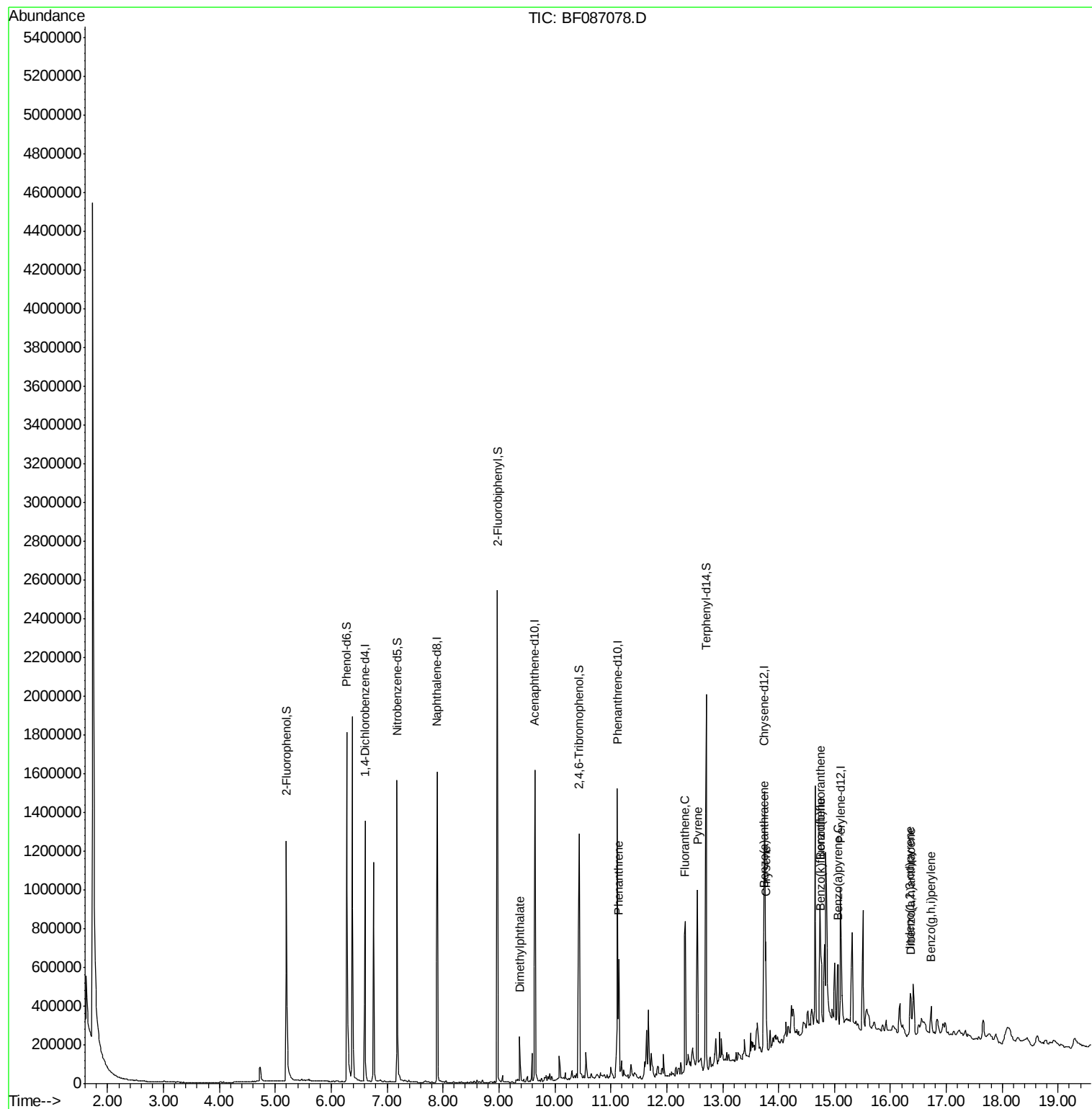
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087078.D
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Sample : H2968-09RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

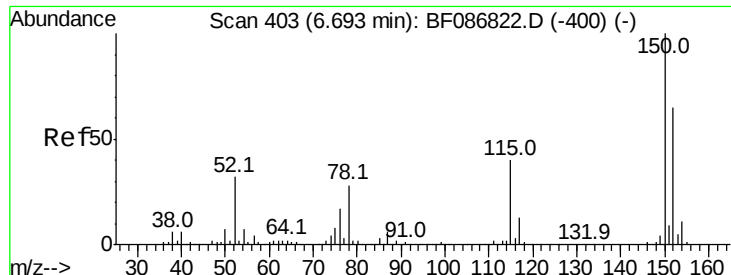
Instrument :
BNA_F
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SS-02RE

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Quant Time: May 17 12:37:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:12:04 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

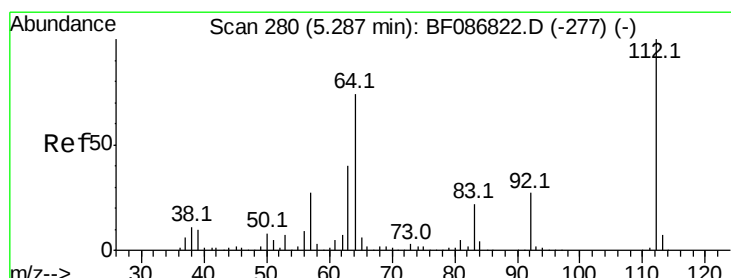
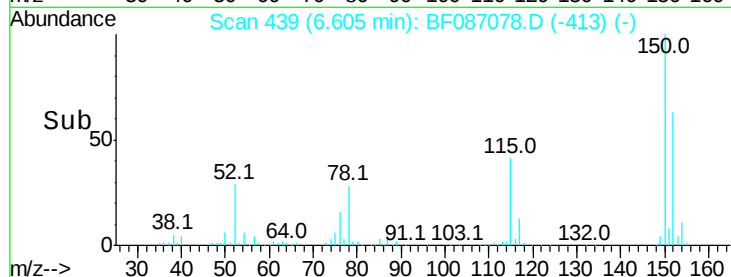
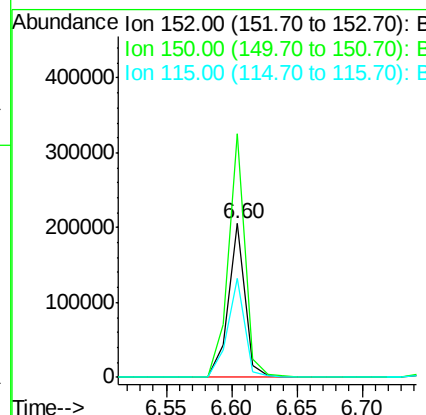
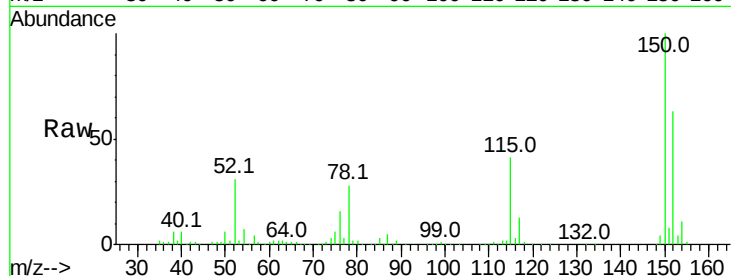
ClientSampleId :

SS-02RE

Tot Ion:	152	Resp:	185514
Ion Ratio	Lower	Upper	
152	100		
150	158.3	125.8	188.6
115	64.2	51.5	77.3

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#5

2-Fluorophenol

Concen: 40.21 ng

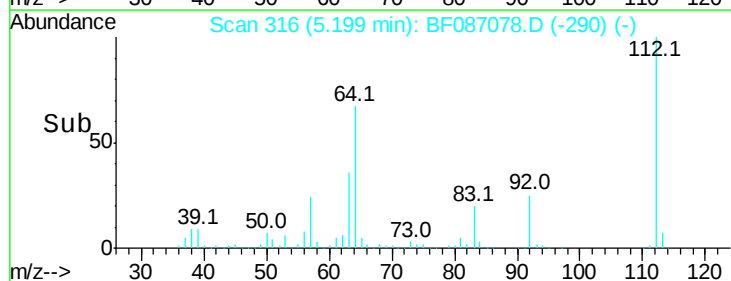
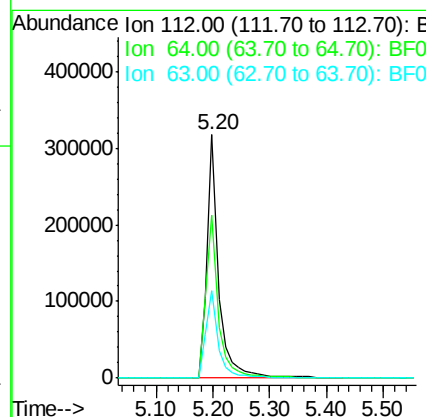
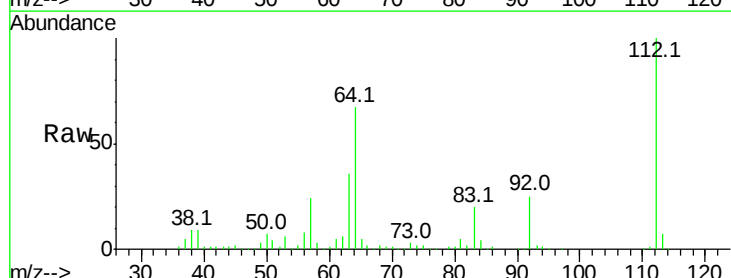
RT: 5.20 min Scan# 316

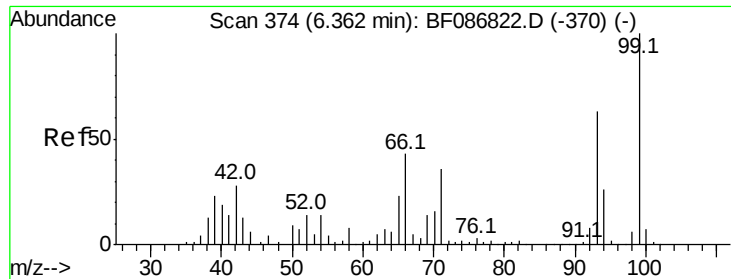
Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:	112	Resp:	440471
Ion Ratio	Lower	Upper	
112	100		
64	66.7	52.1	78.1
63	36.0	25.7	38.5





#7

Phenol-d6

Concen: 49.62 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

Tot Ion: 99 Resp: 726386

Ion Ratio Lower Upper

99 100

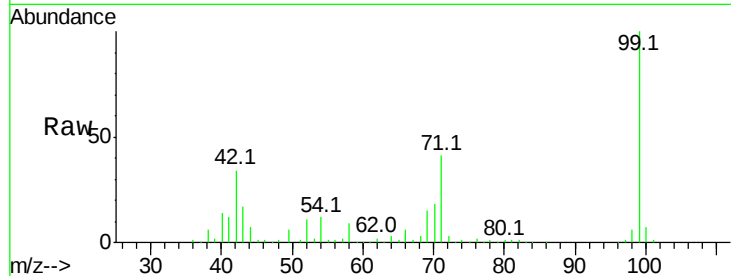
42 34.0 13.6 20.4#

71 40.6 24.6 36.8#

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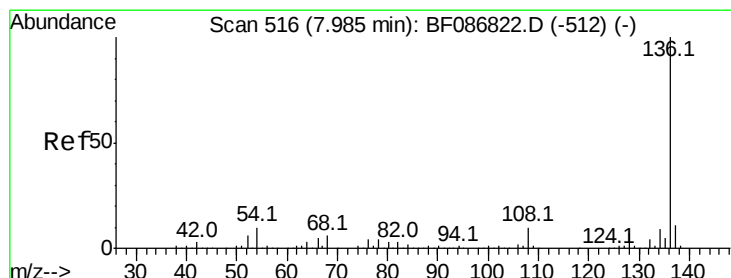
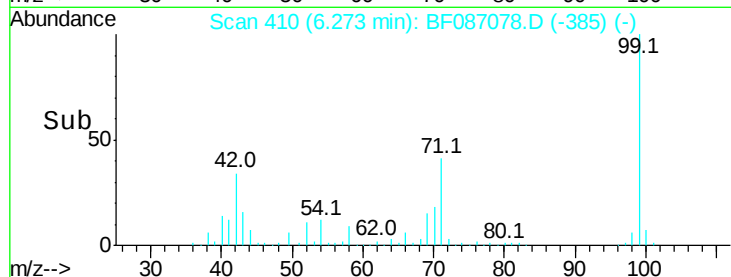
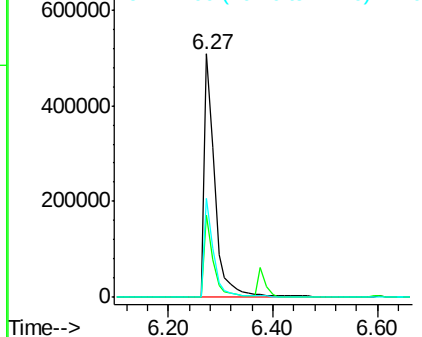
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.90 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion: 136 Resp: 743489

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 10.0 5.0 7.4#

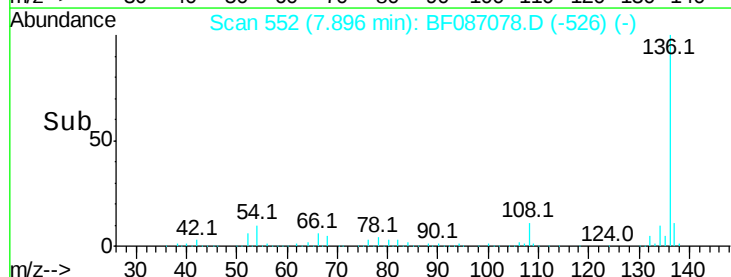
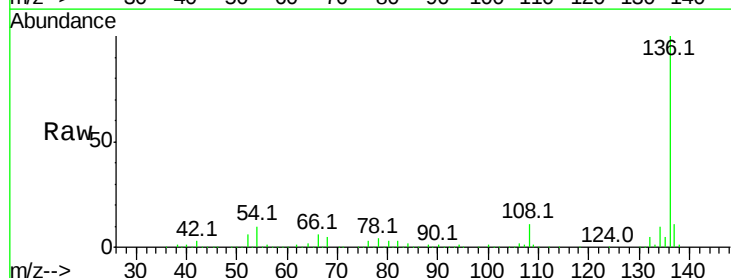
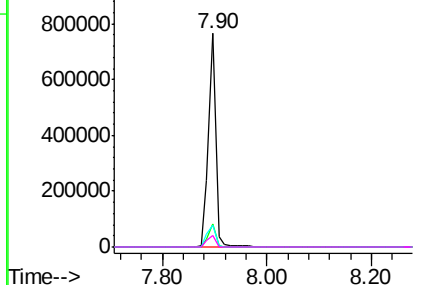
68 5.4 4.4 6.6

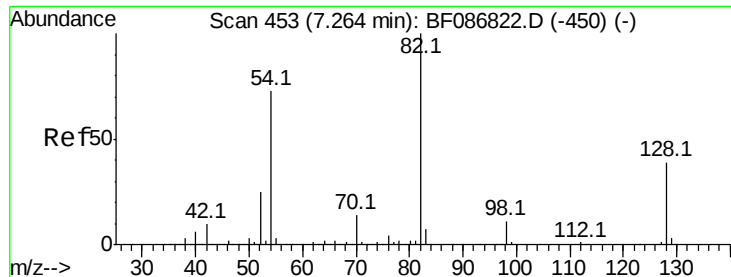
Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.83 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

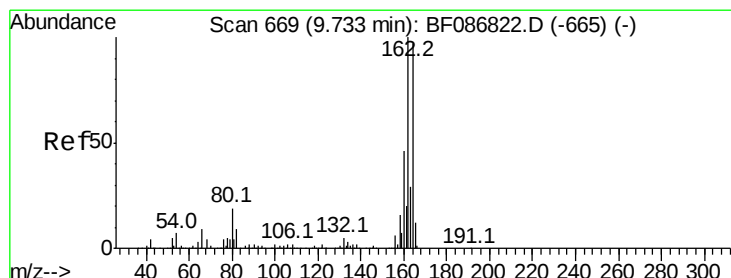
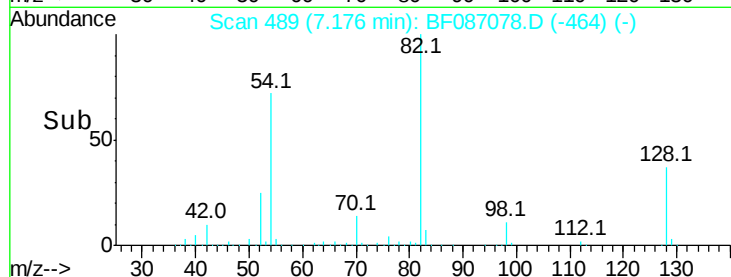
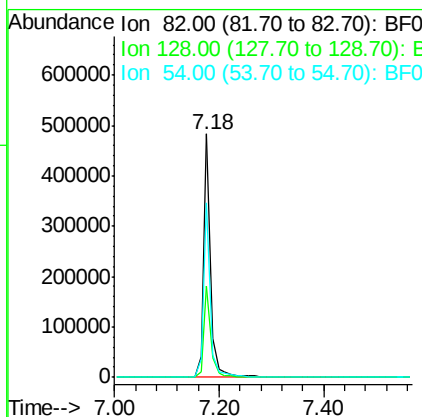
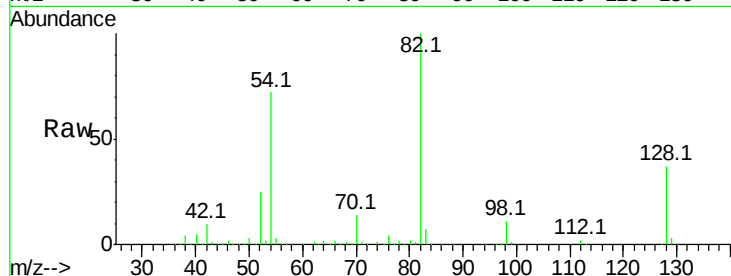
ClientSampleId :

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Tot Ion:	82	Resp:	456421
Ion Ratio	Lower	Upper	
82	100		
128	37.4	40.6	61.0#
54	71.6	38.1	57.1#

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#38

Acenaphthene-d10

Concen: 20.00 ng

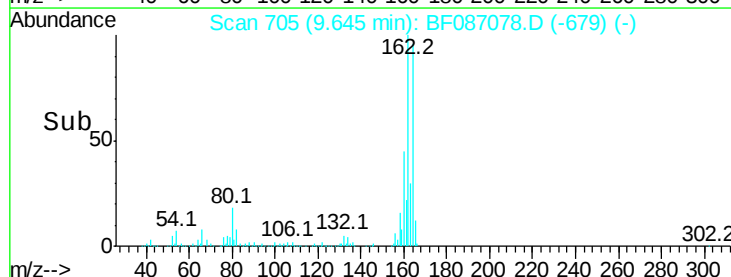
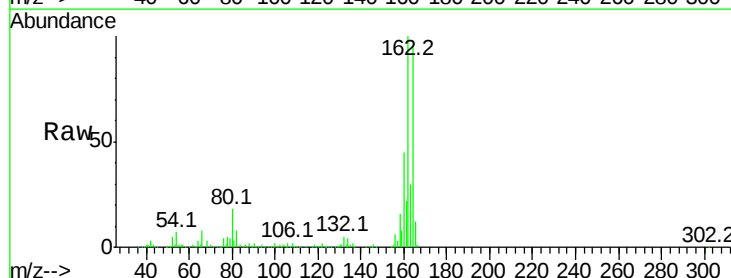
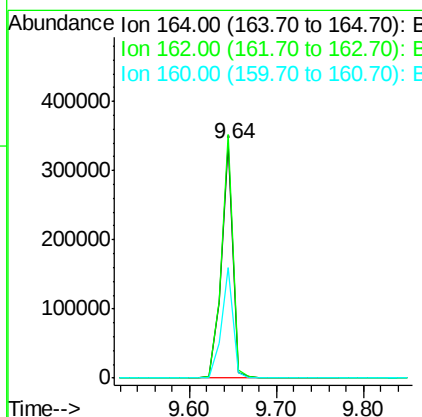
RT: 9.64 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:	164	Resp:	319536
Ion Ratio	Lower	Upper	
164	100		
162	104.0	82.8	124.2
160	47.3	36.9	55.3





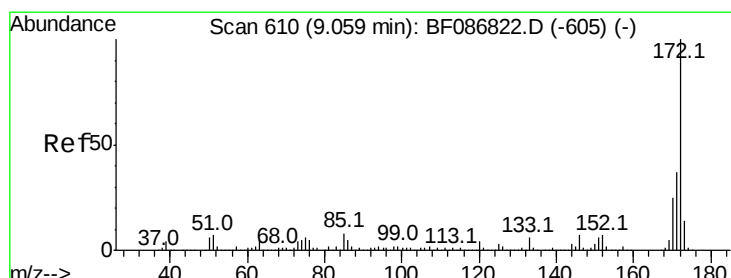
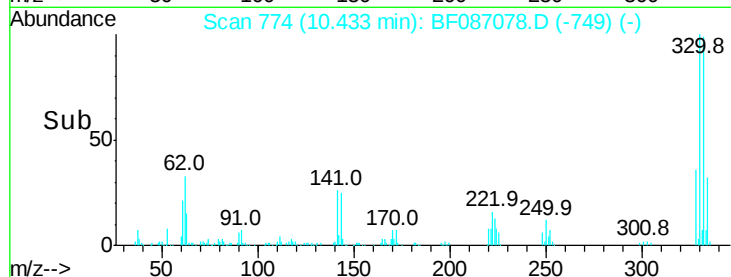
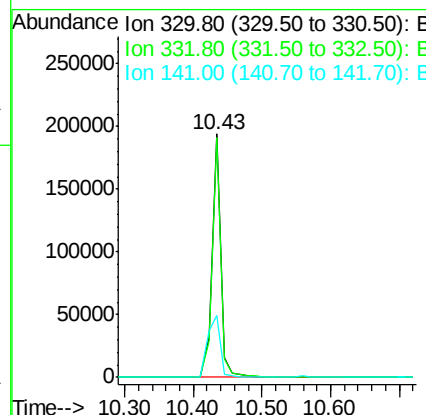
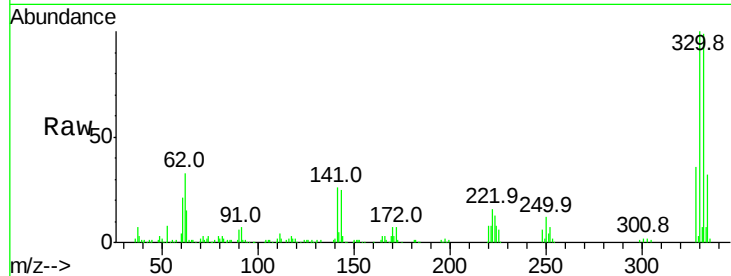
#41
 2,4,6-Tribromophenol
 Concen: 51.19 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087078.D
 Acq: 16 May 2016 13:42

Instrument :
 BNA_F
 ClientSampled :
 SS-02RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	173164		
332	97.3	79.0	118.4	
141	37.6	31.2	46.8	

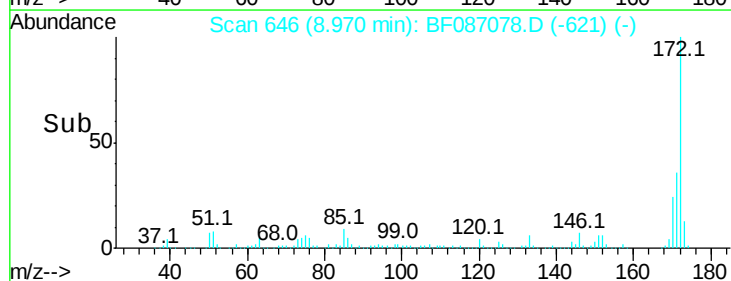
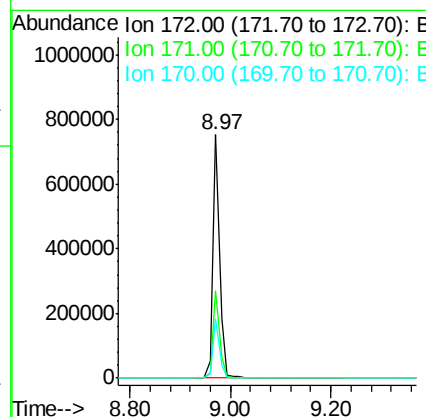
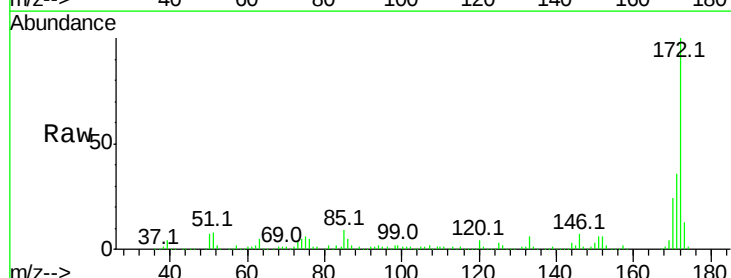
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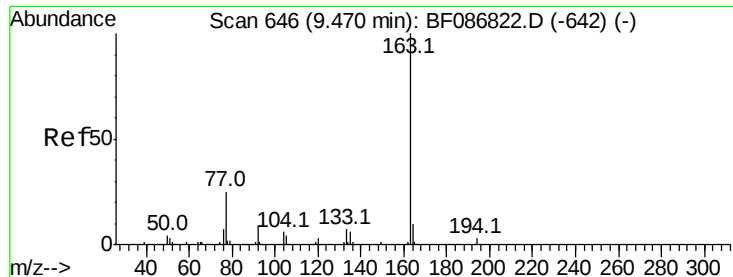
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#44
 2-Fluorobiphenyl
 Concen: 37.04 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087078.D
 Acq: 16 May 2016 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	704136		
171	35.8	29.0	43.6	
170	24.2	19.8	29.8	





#49

Dimethylphthalate

Concen: 3.50 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

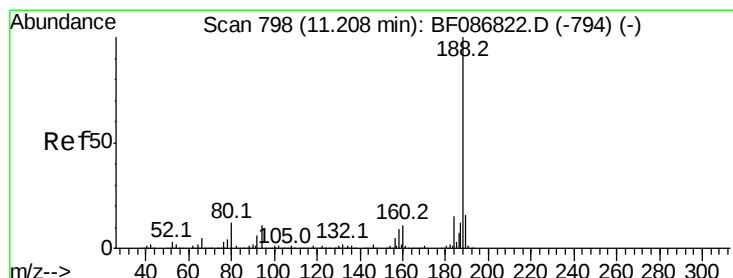
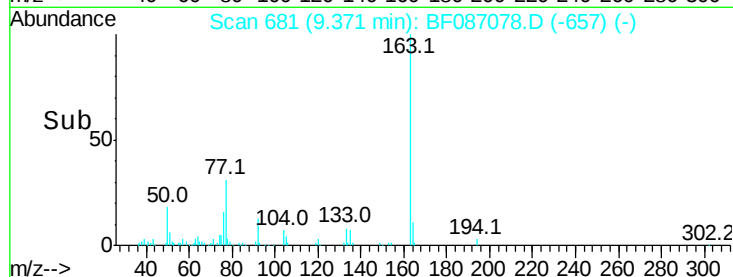
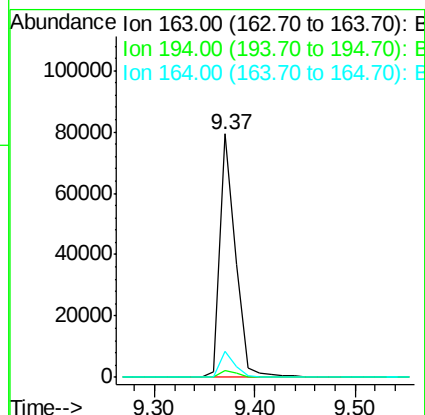
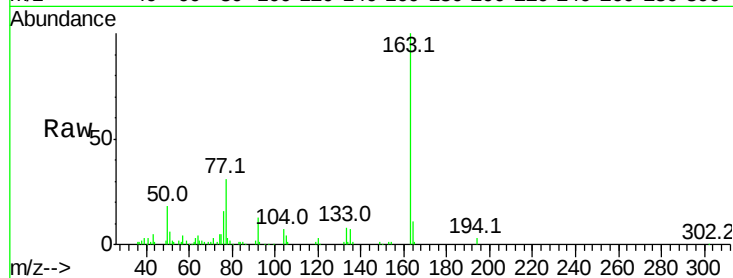
ClientSampled :

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Tot Ion:163	Resp:	85441
Ion Ratio	Lower	Upper
163 100		
194 3.0	2.6	4.0
164 10.6	8.2	12.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

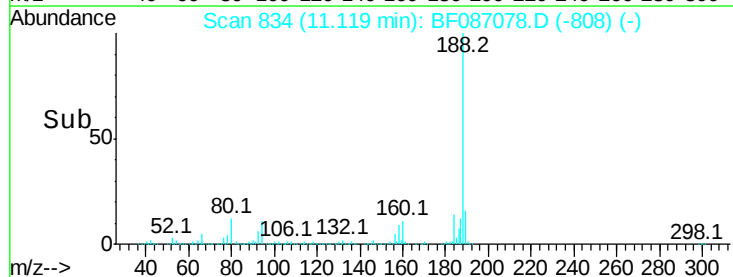
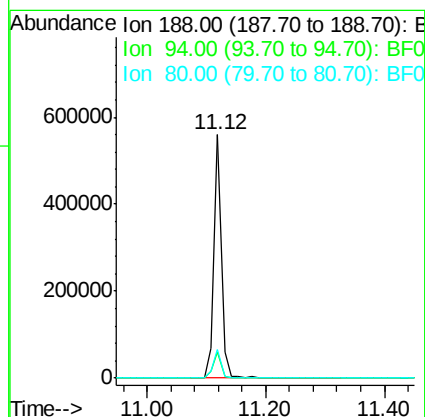
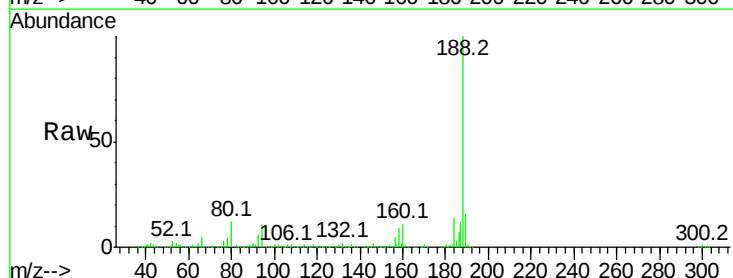
RT: 11.12 min Scan# 834

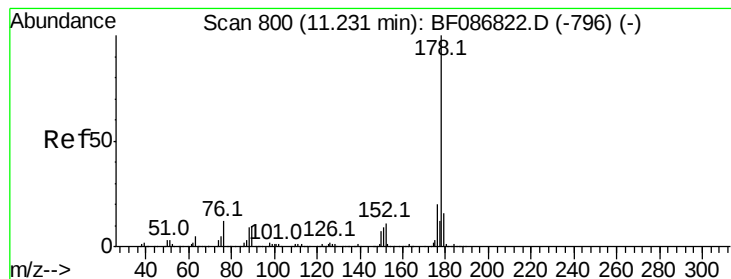
Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:188	Resp:	487909
Ion Ratio	Lower	Upper
188 100		
94 10.6	6.8	10.2#
80 11.6	7.1	10.7#





#70

Phenanthrene

Concen: 7.41 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

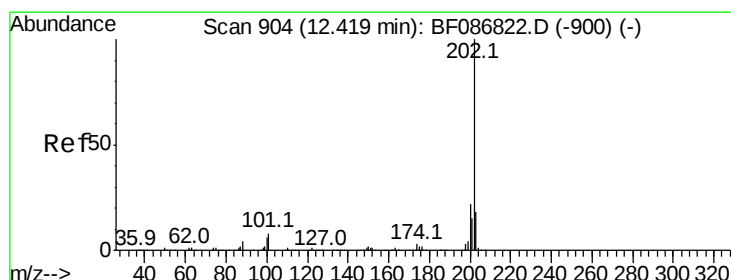
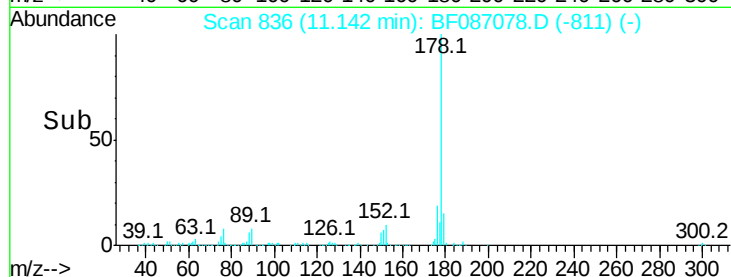
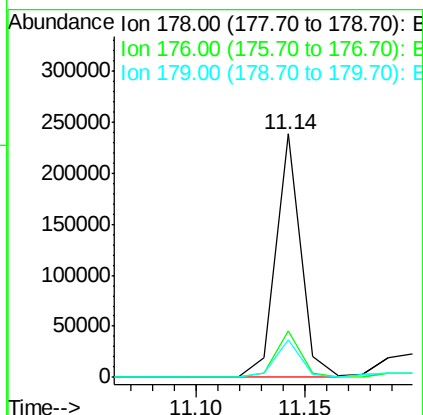
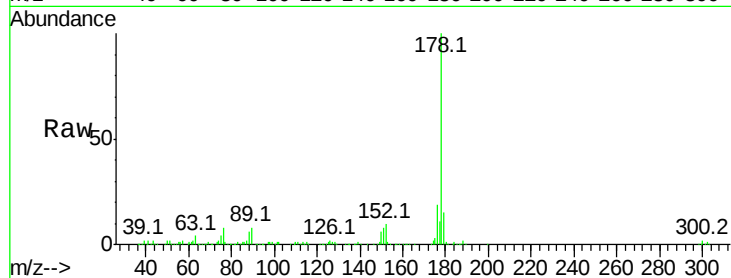
ClientSampleId :

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Tot Ion:	178	Resp:	192871
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.0	24.0
179	15.3	12.6	18.8

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#74

Fluoranthene

Concen: 16.38 ng

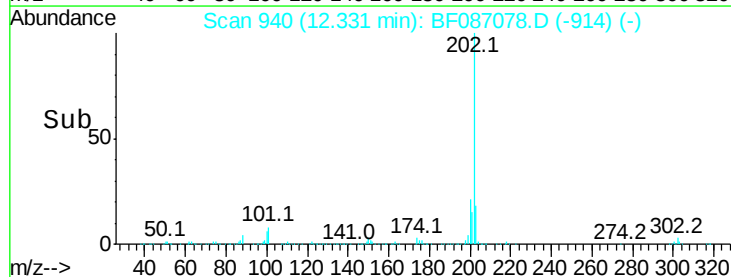
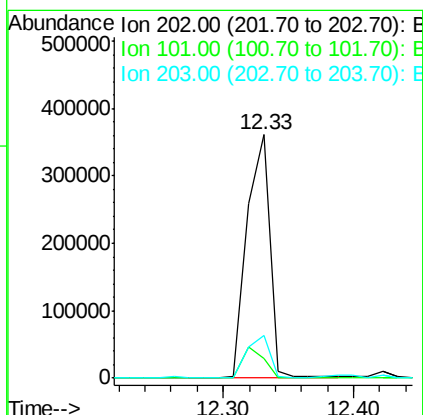
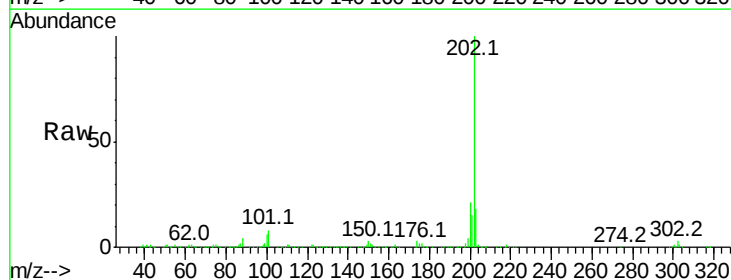
RT: 12.33 min Scan# 940

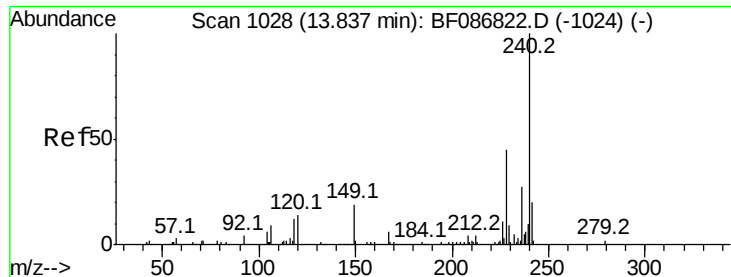
Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:	202	Resp:	438632
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	35.4
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

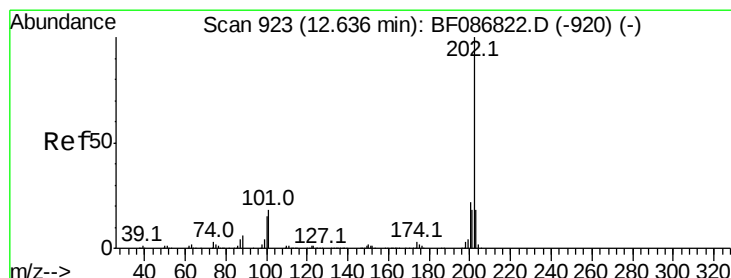
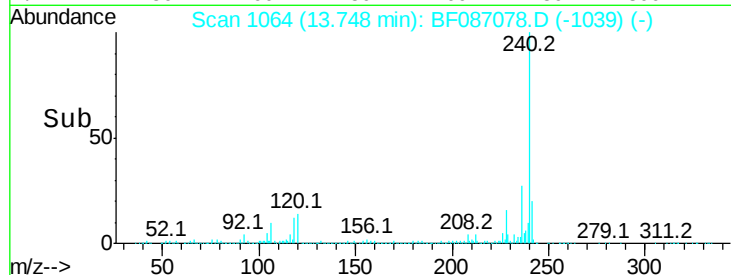
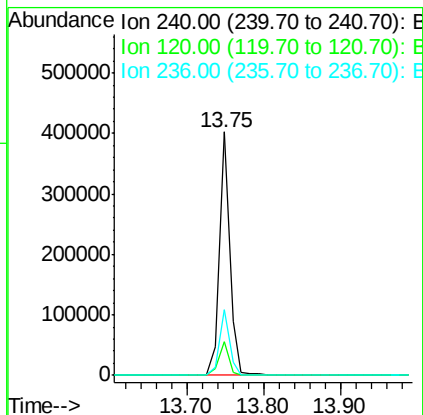
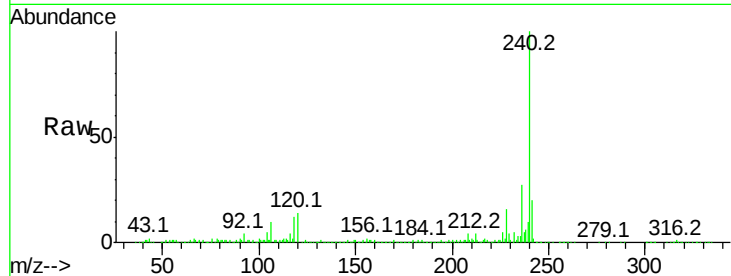
ClientSampled :

SS-02RE

Tot Ion:	240	Resp:	381892
Ion Ratio	Lower	Upper	
240	100		
120	13.9	11.2	16.8
236	26.8	21.2	31.8

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#77

Pyrene

Concen: 12.27 ng

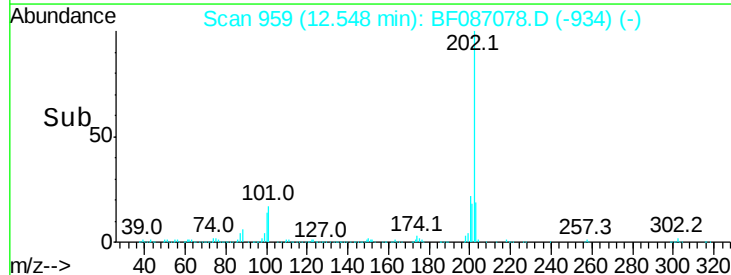
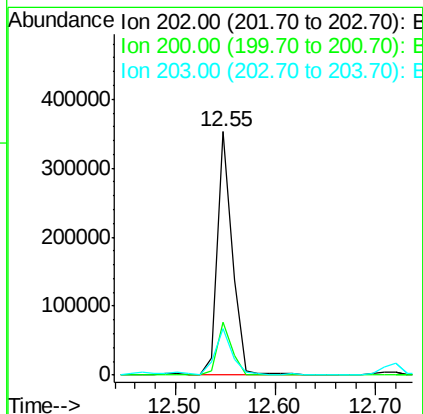
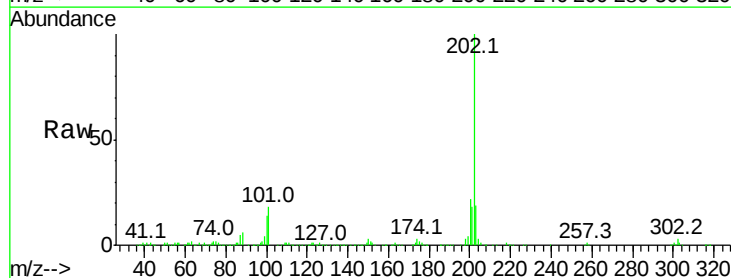
RT: 12.55 min Scan# 959

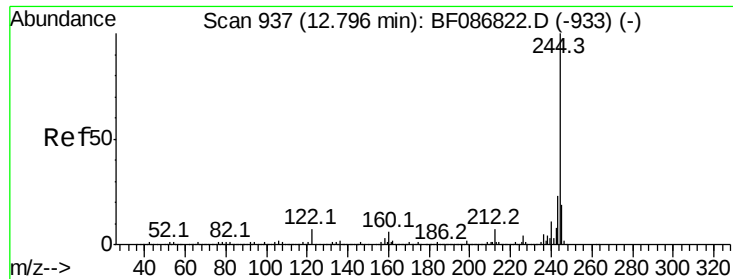
Delta R.T. -0.01 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:	202	Resp:	358679
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.9	14.2	21.4





#78

Terphenyl-d14

Concen: 40.37 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

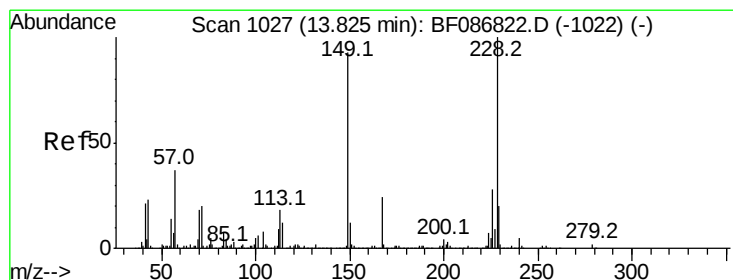
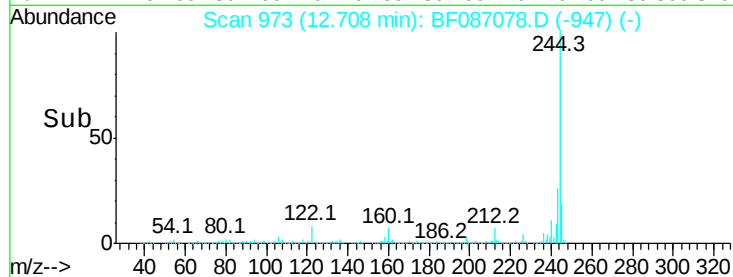
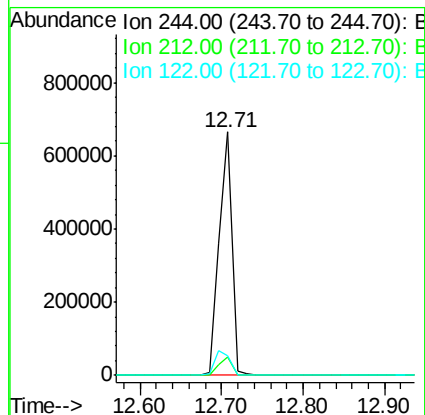
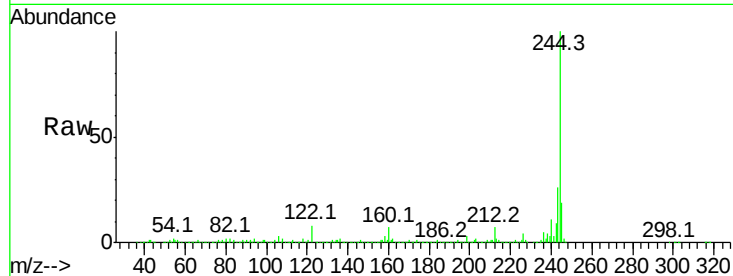
ClientSampleId :

SS-02RE

Tot Ion:	244	Resp:	726675
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	8.0	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 10.11 ng

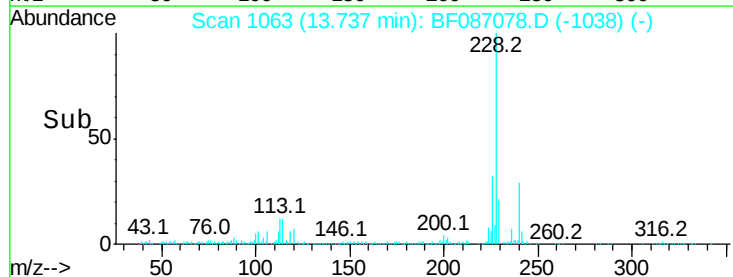
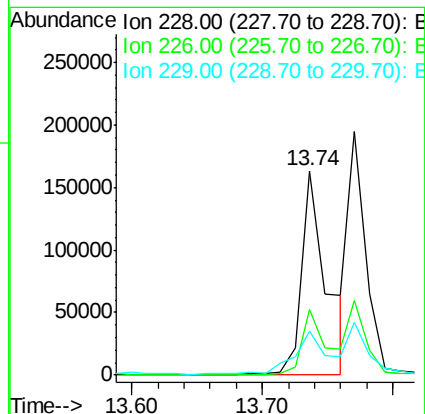
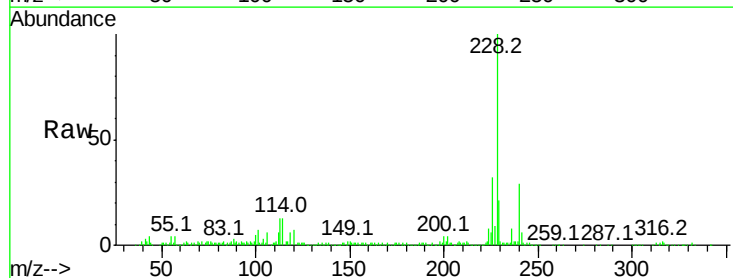
RT: 13.74 min Scan# 1063

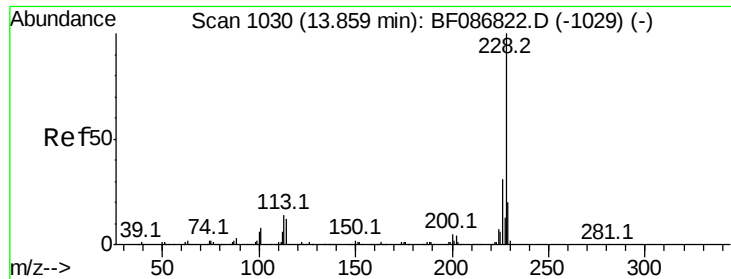
Delta R.T. -0.01 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:	228	Resp:	216787
Ion Ratio	Lower	Upper	
228	100		
226	32.1	22.5	33.7
229	21.4	16.6	25.0





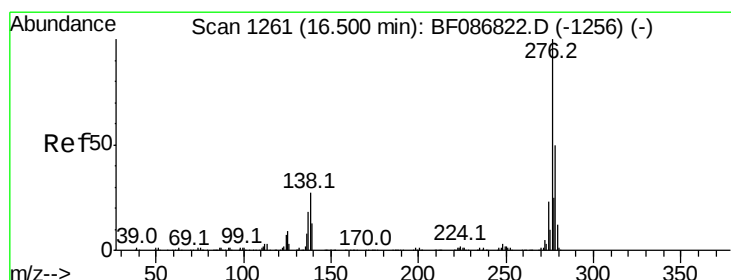
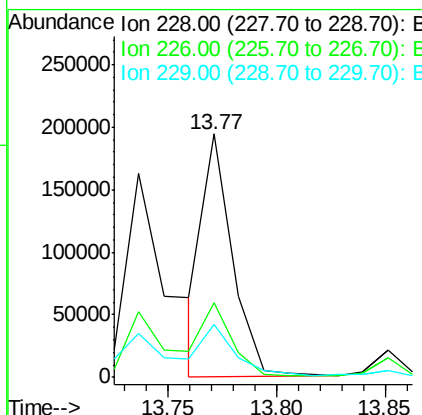
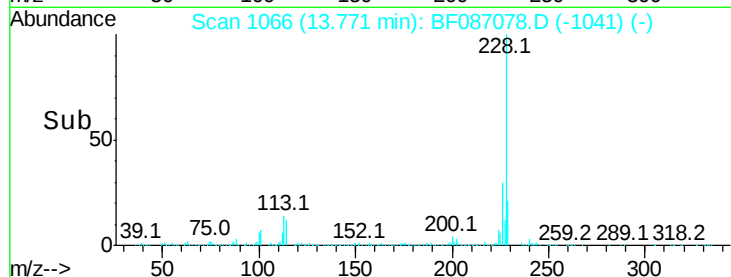
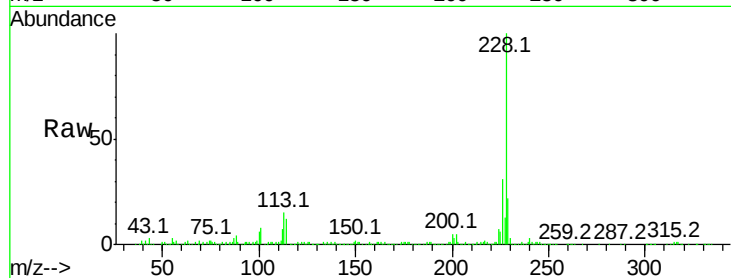
#82
Chrysene
Concen: 8.40 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Instrument :
BNA_F
ClientSampleId :
SS-02RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	21.9	15.8	23.8

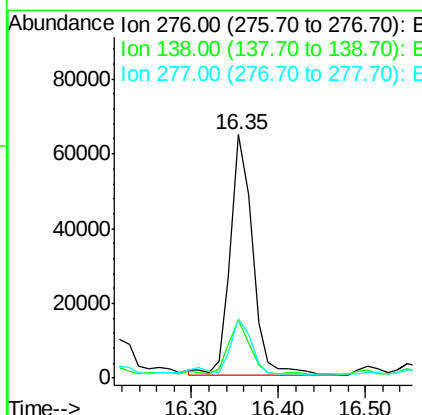
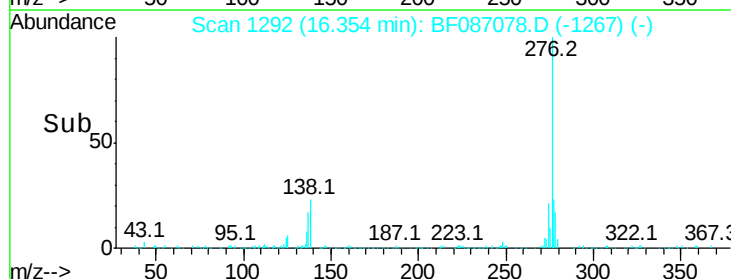
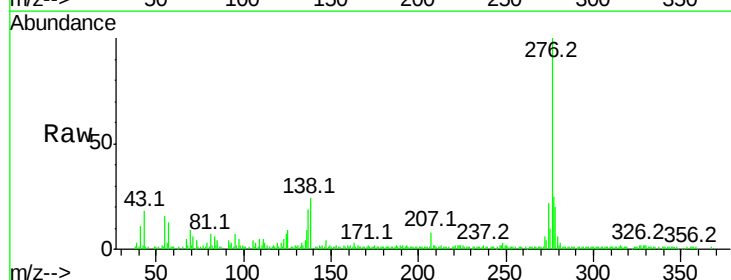
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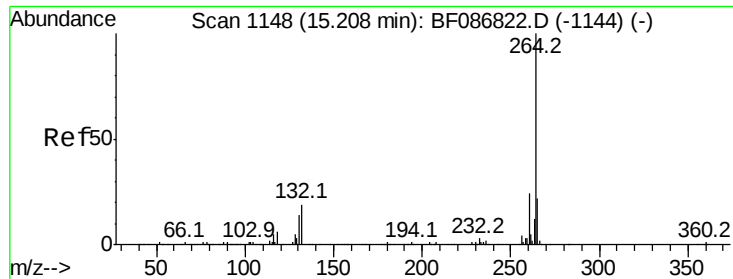
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.33 ng
RT: 16.35 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	25.6	38.4#
277	24.8	20.5	30.7





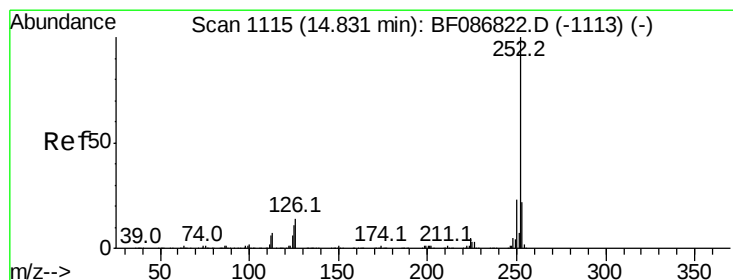
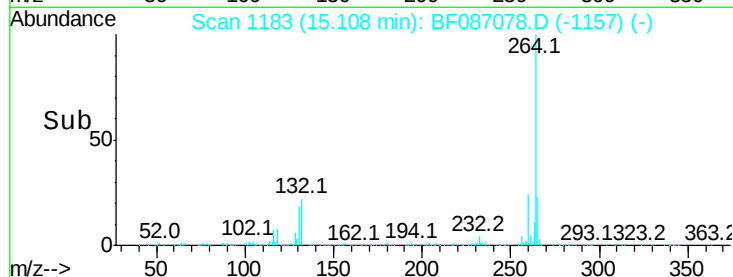
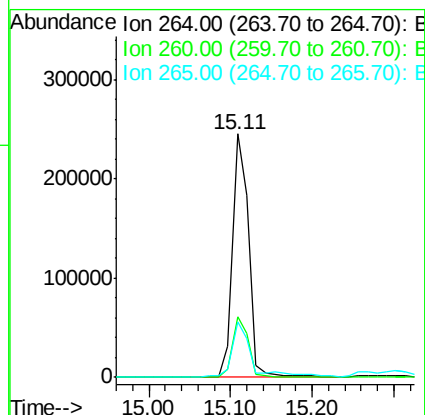
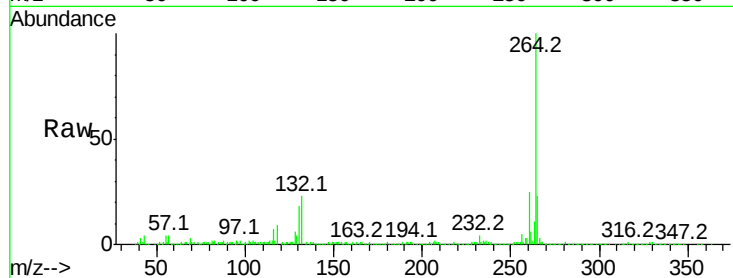
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Instrument :
BNA_F
ClientSampleId :
SS-02RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.8	17.3	25.9

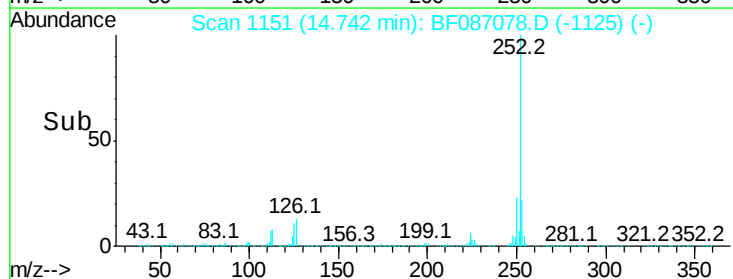
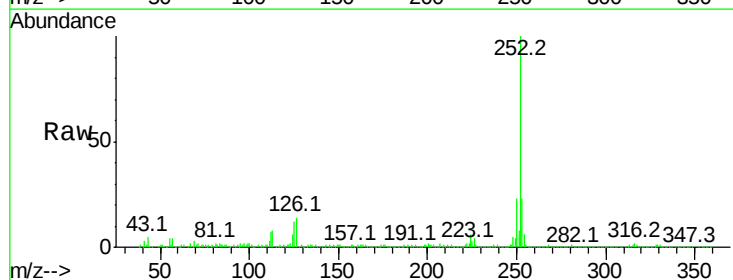
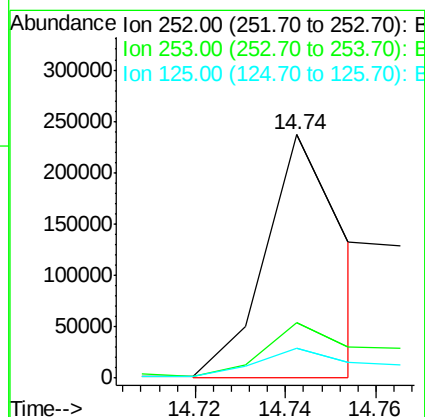
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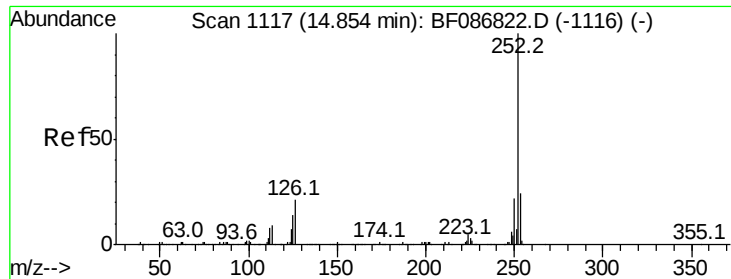
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#87
Benzo(b)fluoranthene
Concen: 13.30 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.1	11.4	17.0





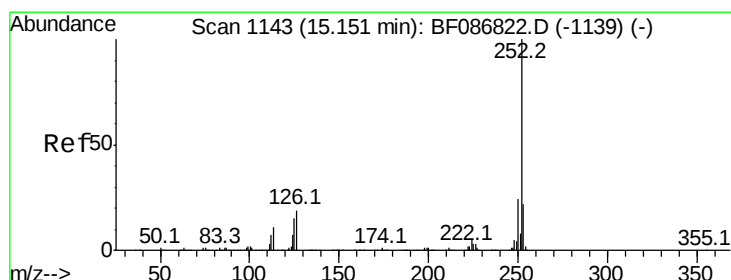
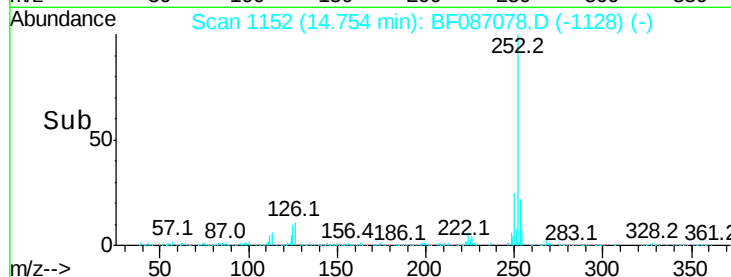
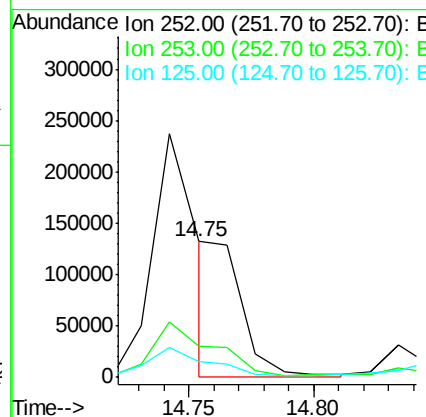
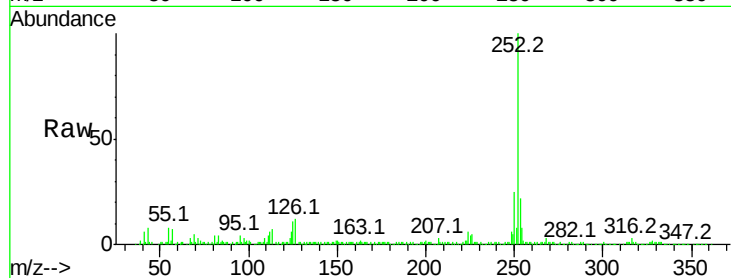
#88
Benzo(k)fluoranthene
Concen: 6.26 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Instrument :
BNA_F
ClientSampleId :
SS-02RE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	110892		
253	22.5	17.8	26.6	
125	11.3	9.1	13.7	

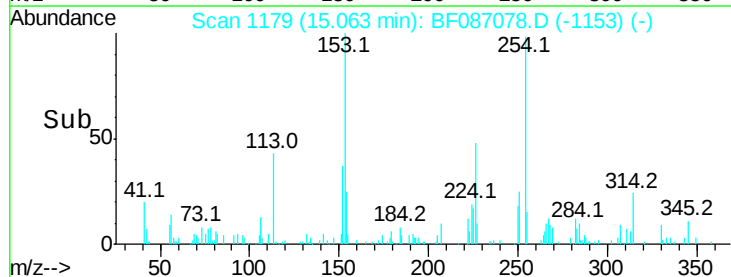
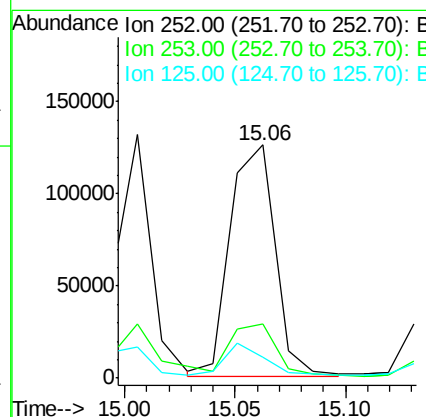
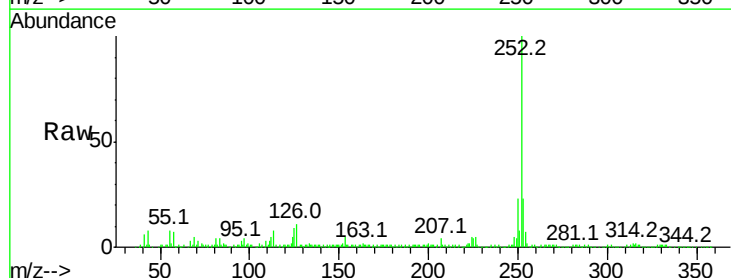
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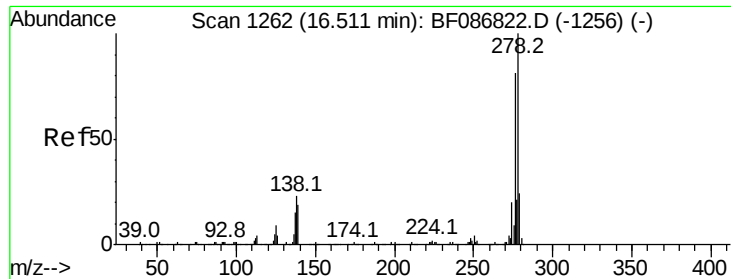
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#89
Benzo(a)pyrene
Concen: 9.67 ng m
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	180557		
253	23.0	17.2	25.8	
125	8.8	9.0	13.6	





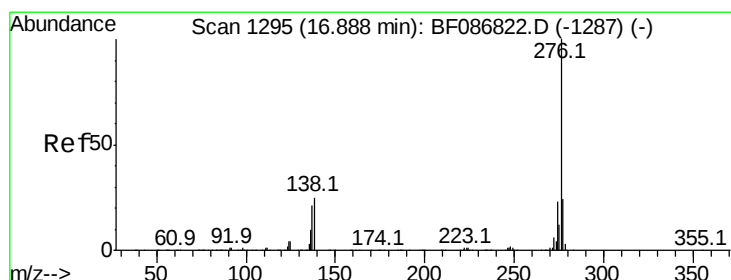
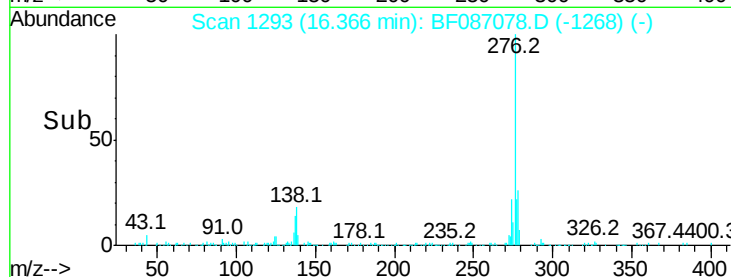
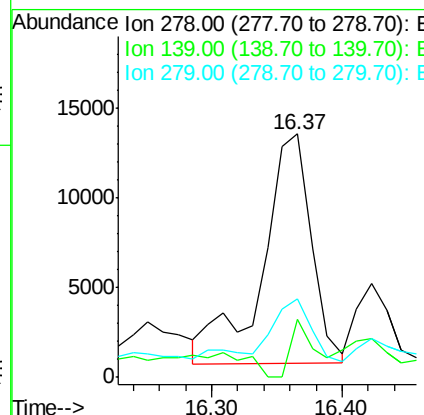
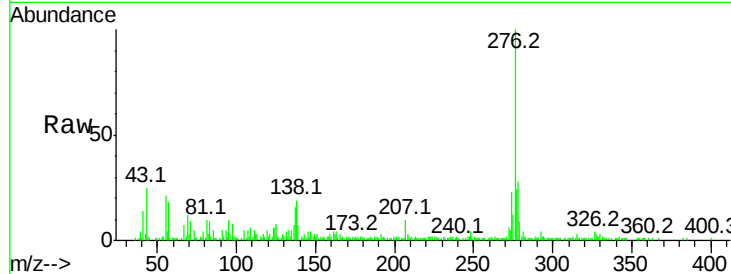
#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Instrument :
BNA_F
ClientSampleId :
SS-02RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.7	16.6	24.8
279	32.2	19.6	29.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.72 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.6	29.4
138	22.8	23.6	35.4

