

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\
 Data File : BF086480.D
 Acq On : 28 Apr 2016 23:20
 Operator : UM/SJ
 Sample : H2654-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-18(6-12FTBGS)

Manual Integrations
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Quant Time: Apr 29 01:57:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	150692	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	620263	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	281833	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	469426	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	295041	20.00	ng	-0.02
86) Perylene-d12	15.33	264	306681	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1067414	122.18	ng	-0.01
7) Phenol-d6	6.43	99	1548750	127.02	ng	-0.01
23) Nitrobenzene-d5	7.36	82	995123	86.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	291621	98.12	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1262703	76.72	ng	-0.02
78) Terphenyl-d14	12.89	244	925219	69.09	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	194832	9.18	ng	98
70) Phenanthrene	11.33	178	97608	3.96	ng	99
74) Fluoranthene	12.51	202	135836	5.46	ng	96
77) Pyrene	12.74	202	112948	5.31	ng	98
80) Benzo(a)anthracene	13.93	228	56645	3.60	ng	98
82) Chrysene	13.96	228	35000m	2.05	ng	
87) Benzo(b)fluoranthene	14.95	252	52342m	2.90	ng	
89) Benzo(a)pyrene	15.28	252	36634	2.15	ng	# 93

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

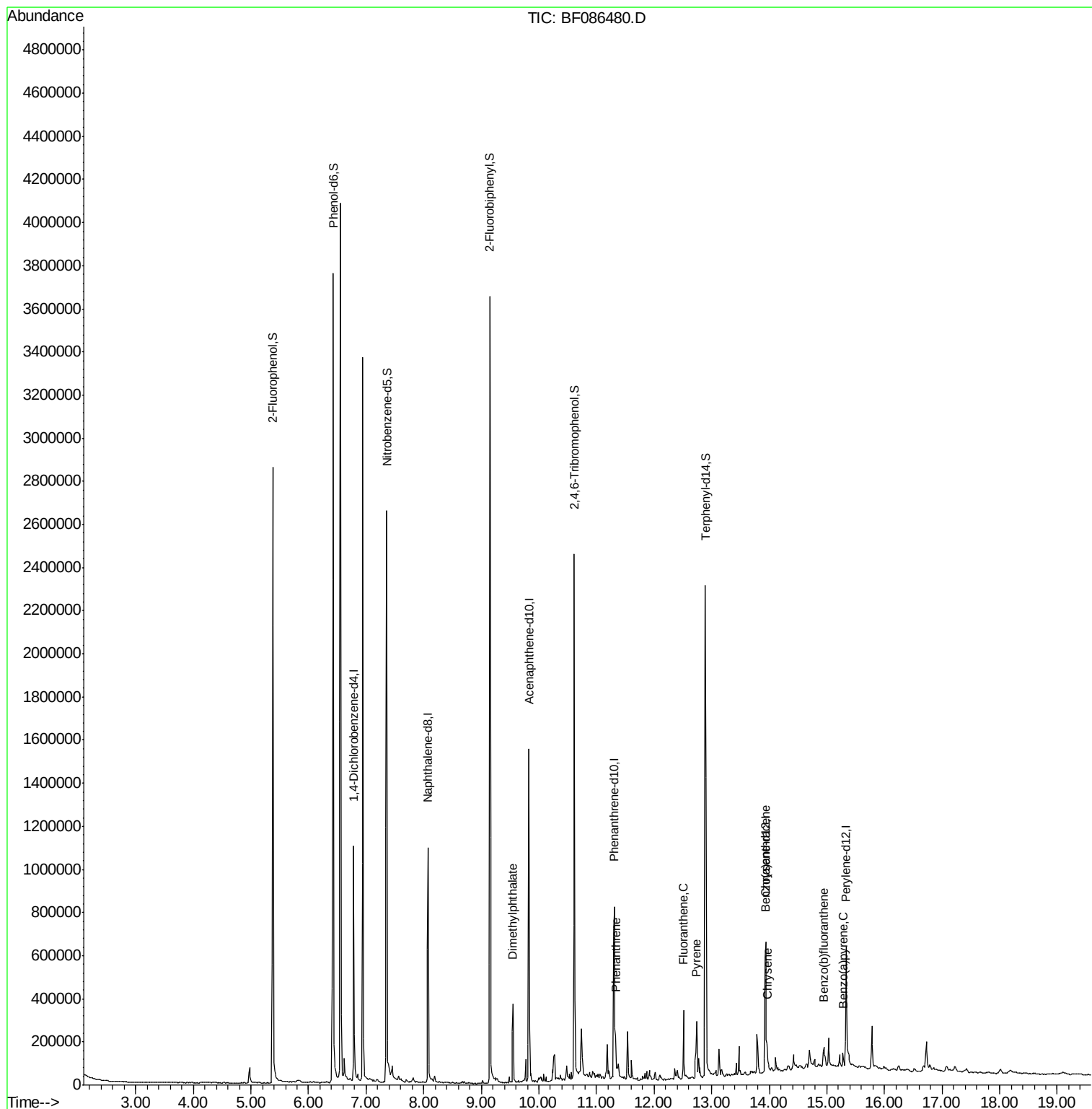
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

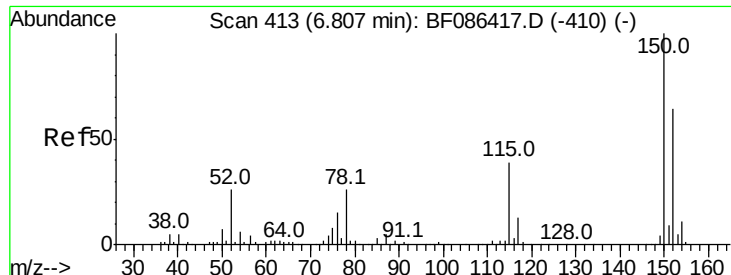
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-18(6-12FTBGS)

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#1

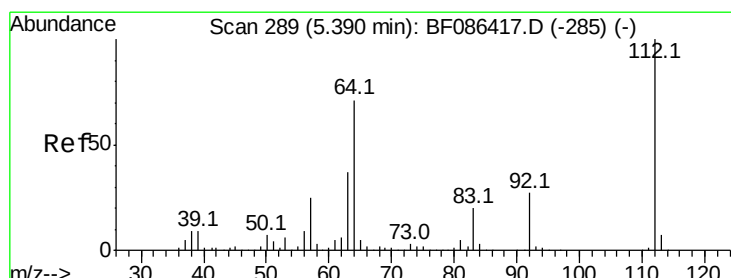
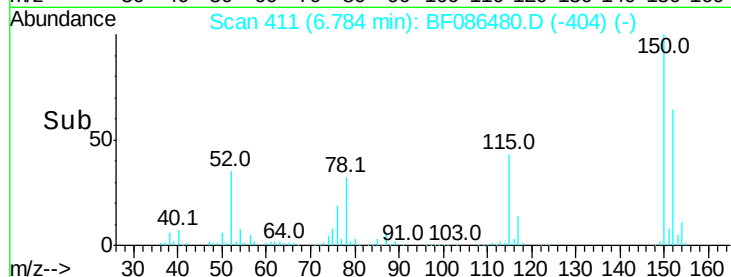
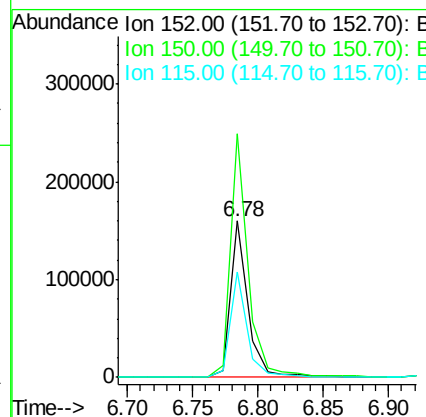
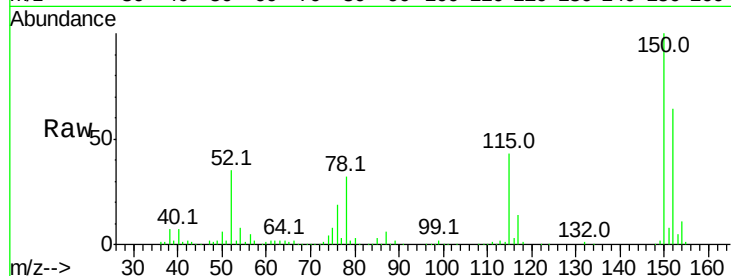
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.02 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-18(6-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	150692		
150	155.8	125.8	188.6	
115	67.4	51.5	77.3	

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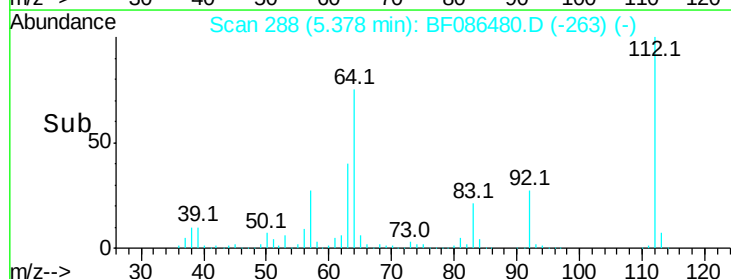
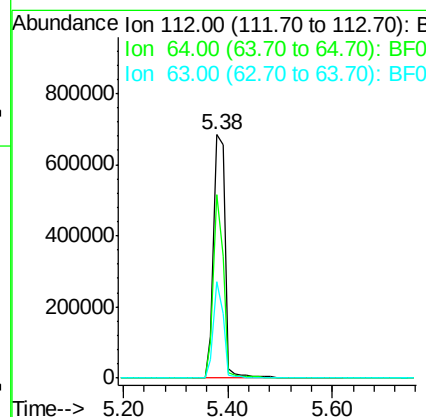
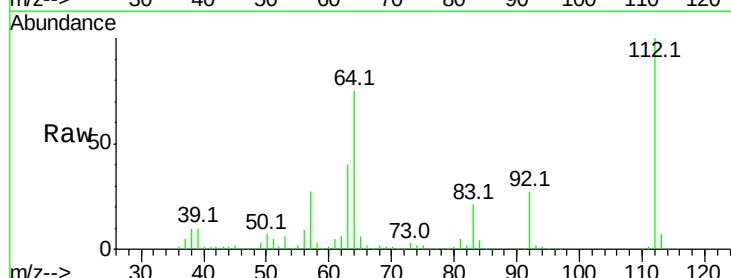
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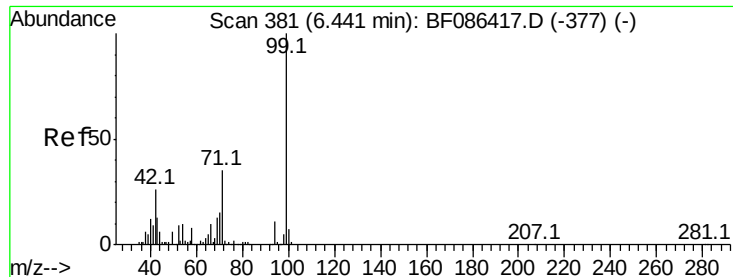


#5

2-Fluorophenol
Concen: 122.18 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1067414		
64	75.1	52.1	78.1	
63	39.6	25.7	38.5	





#7

Phenol-d6

Concen: 127.02 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

Tot Ion: 99 Resp: 1548750

Ion Ratio Lower Upper

99 100

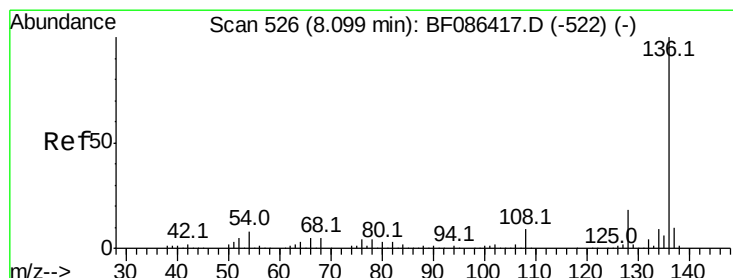
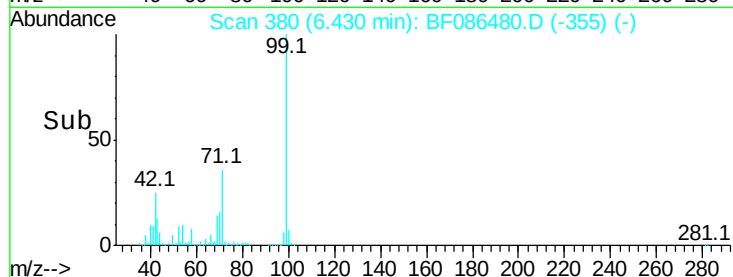
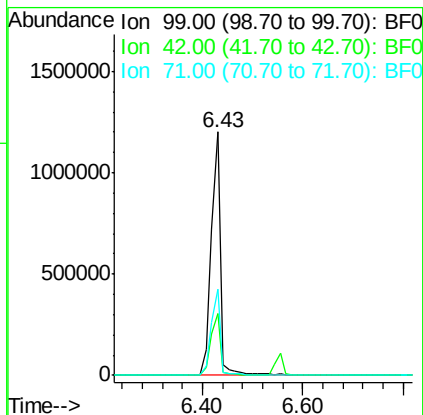
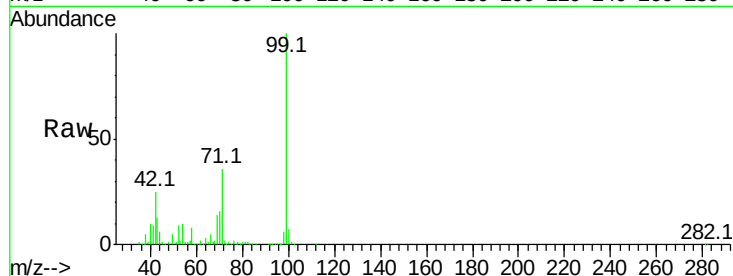
42 25.4 13.6 20.4#

71 35.6 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Tgt Ion: 136 Resp: 620263

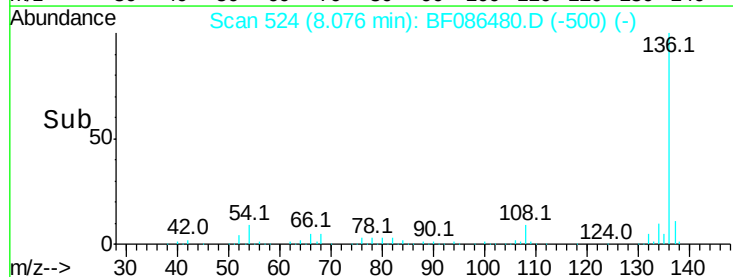
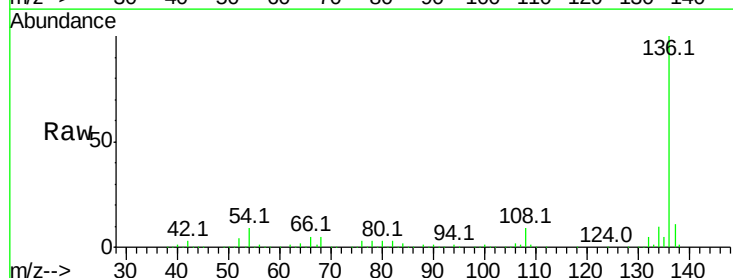
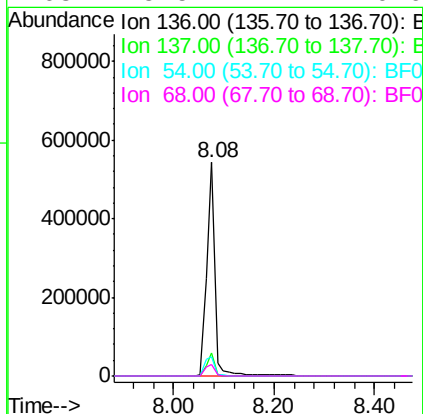
Ion Ratio Lower Upper

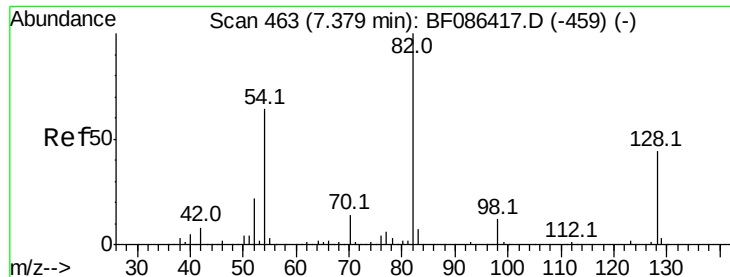
136 100

137 10.7 8.8 13.2

54 8.9 5.0 7.4#

68 5.5 4.4 6.6





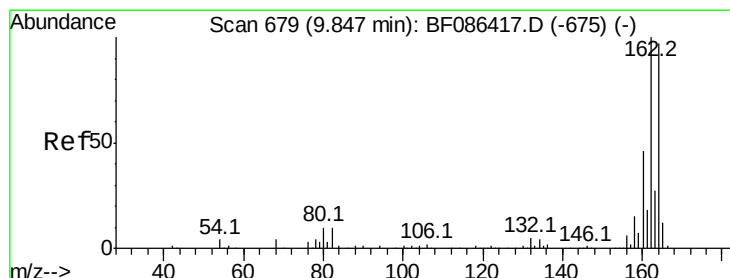
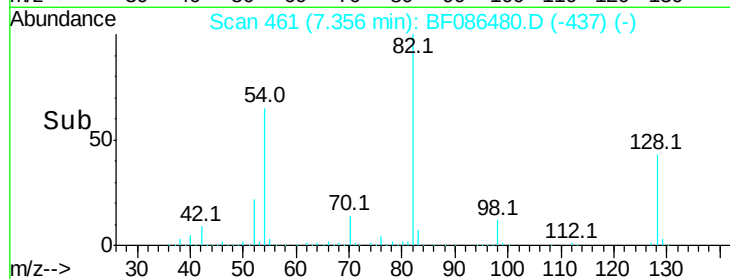
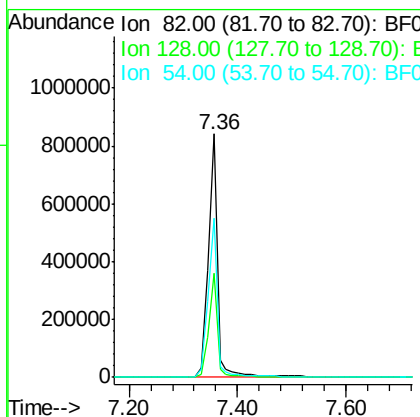
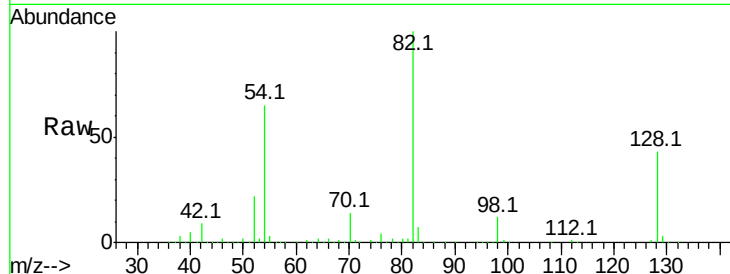
#23
 Nitrobenzene-d5
 Concen: 86.48 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF086480.D
 Acq: 28 Apr 2016 23:20

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-18(6-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.9	40.6	61.0	
54	65.2	38.1	57.1	

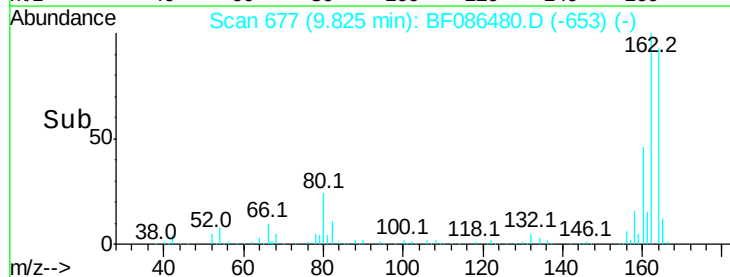
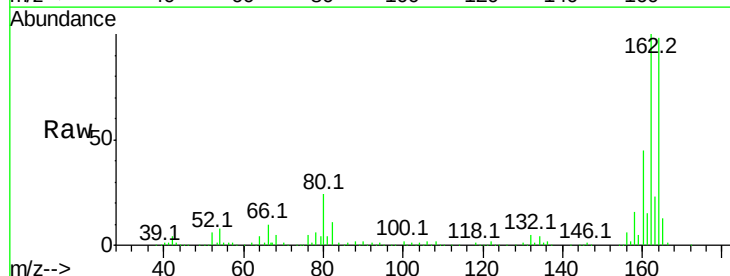
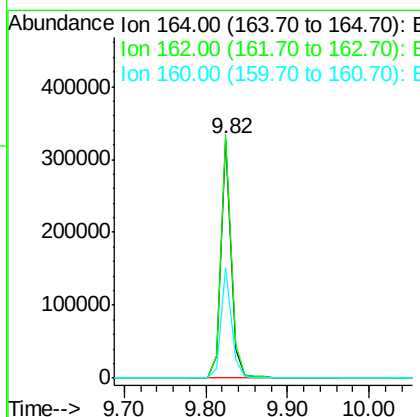
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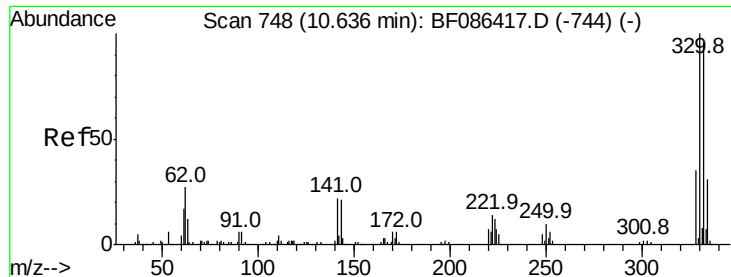
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF086480.D
 Acq: 28 Apr 2016 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	82.8	124.2	
160	46.2	36.9	55.3	





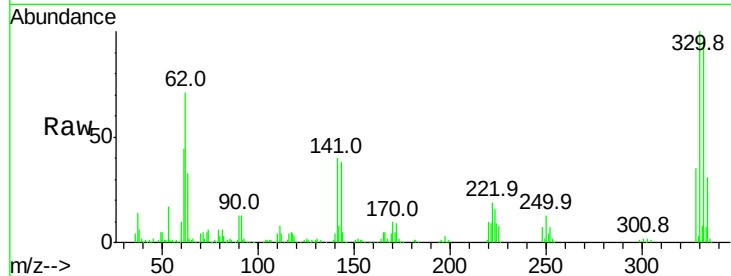
#41
 2,4,6-Tribromophenol
 Concen: 98.12 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086480.D
 Acq: 28 Apr 2016 23:20

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-18(6-12FTBGS)

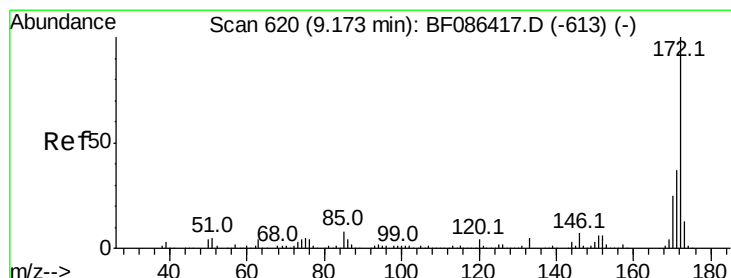
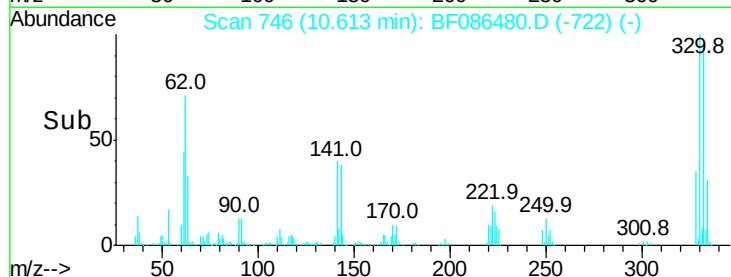
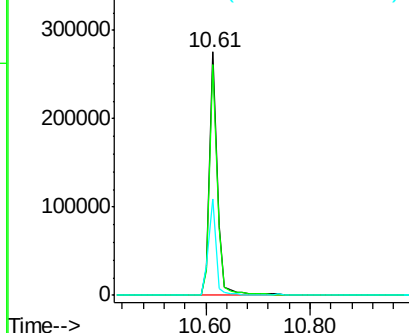
Tot Ion:	330	Resp:	291621
Ion Ratio	Lower	Upper	
330	100		
332	95.2	79.0	118.4
141	37.9	31.2	46.8

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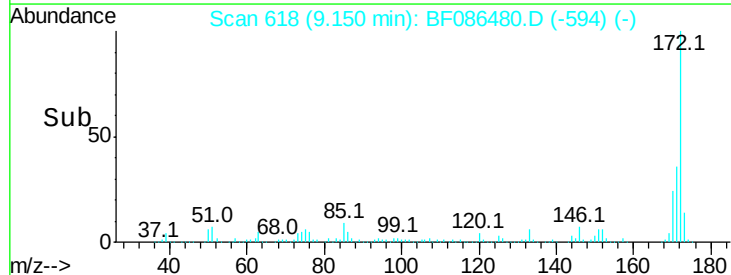
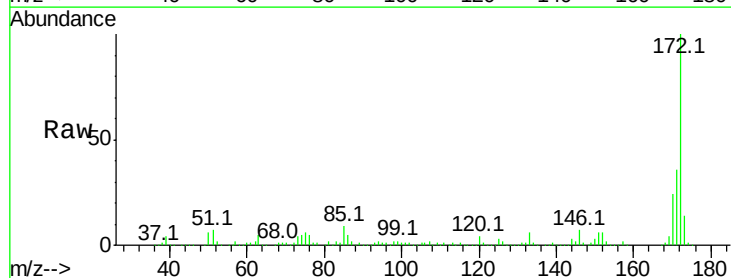
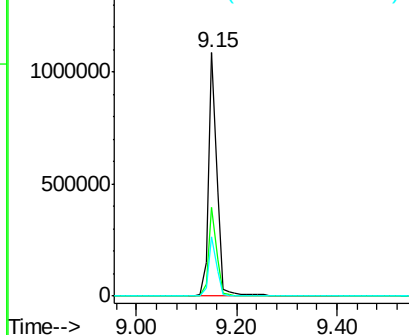
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

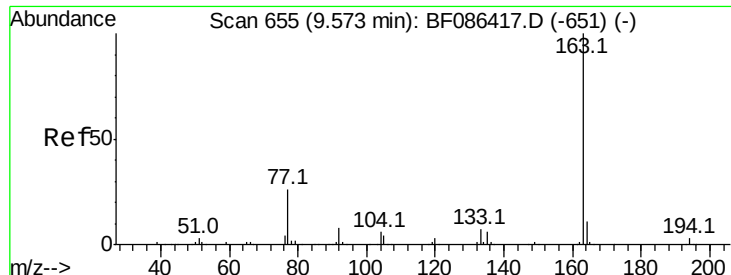


#44
 2-Fluorobiphenyl
 Concen: 76.72 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086480.D
 Acq: 28 Apr 2016 23:20

Tgt Ion:	172	Resp:	1262703
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.0	43.6
170	24.4	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





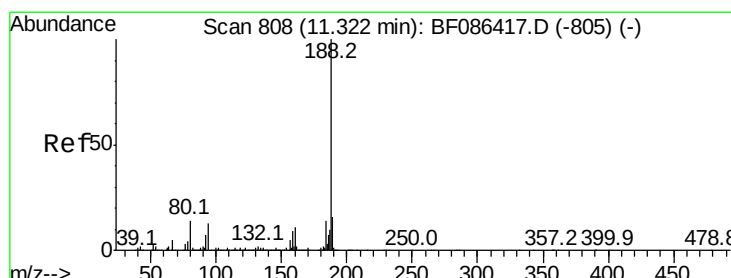
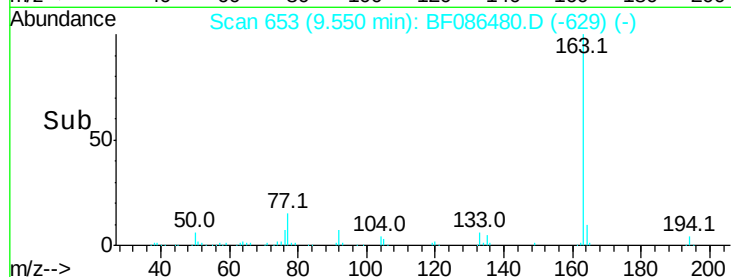
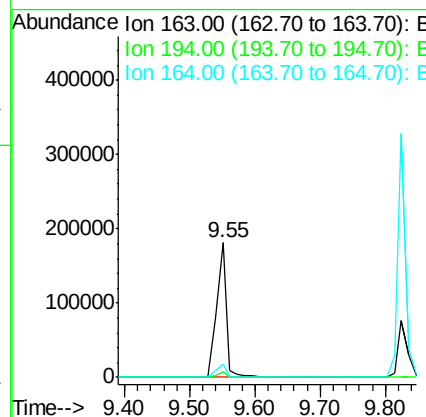
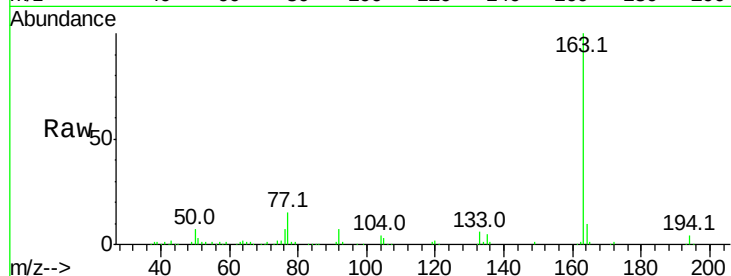
#49
Dimethylphthalate
Concen: 9.18 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-18(6-12FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	194832		
194	3.7	2.6	4.0	
164	9.7	8.2	12.4	

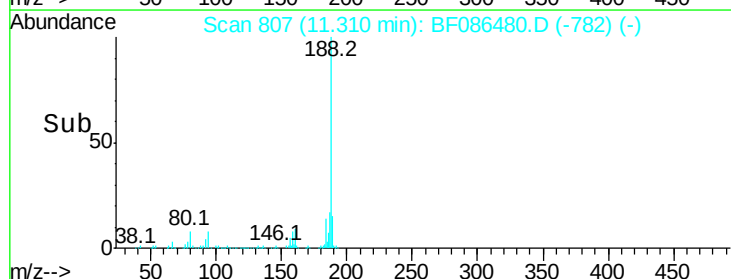
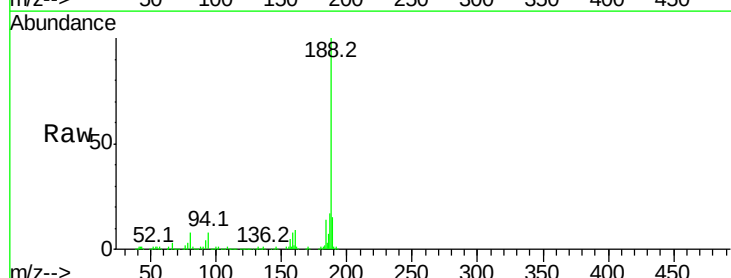
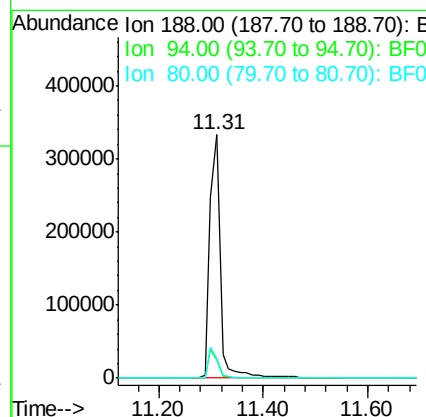
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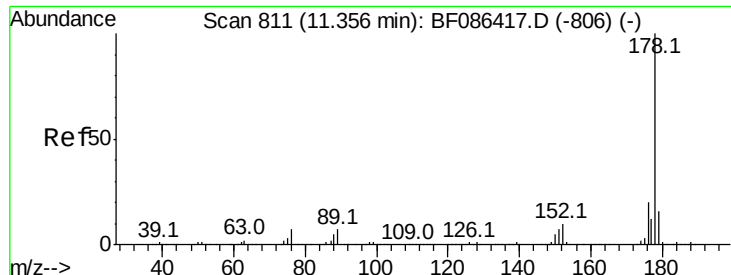
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	469426		
94	7.7	6.8	10.2	
80	8.0	7.1	10.7	





#70

Phenanthrene

Concen: 3.96 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

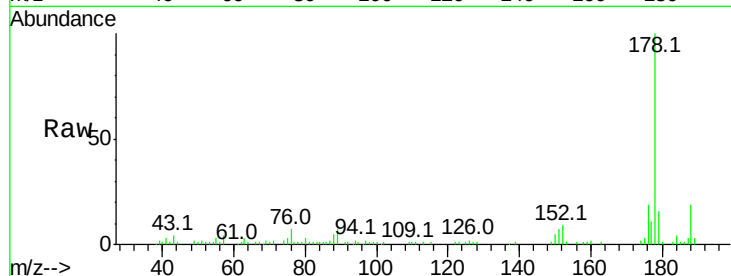
ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

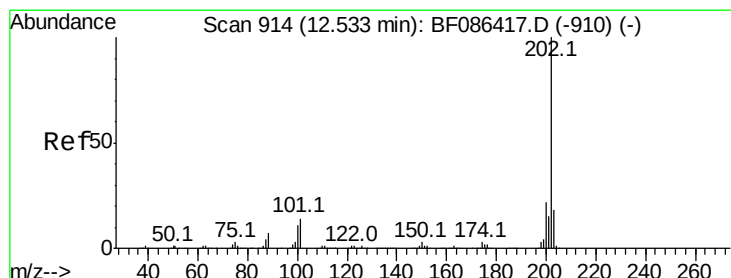
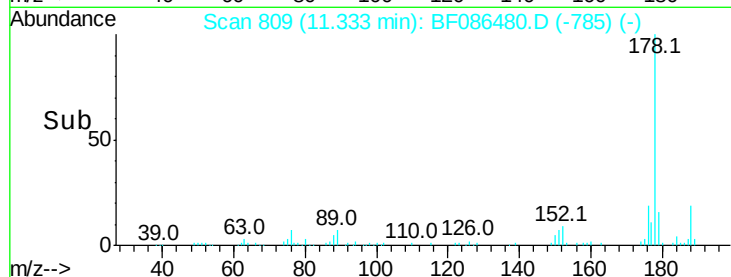
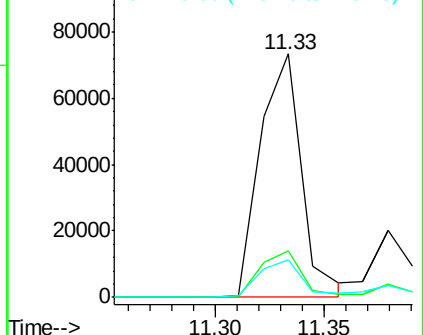
Tot Ion:178	Resp:	97608
Ion Ratio	Lower	Upper
178	100	
176	19.3	16.0 24.0
179	15.5	12.6 18.8

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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



#74

Fluoranthene

Concen: 5.46 ng

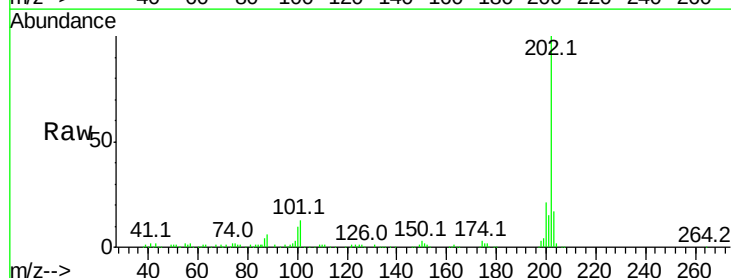
RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

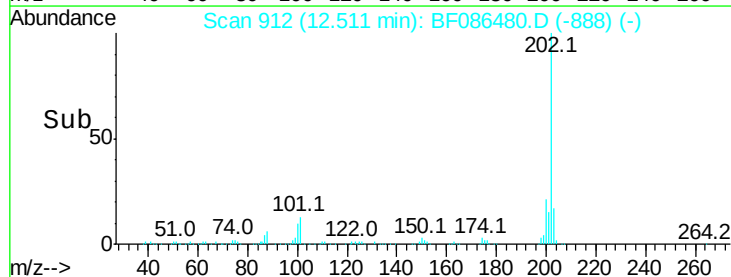
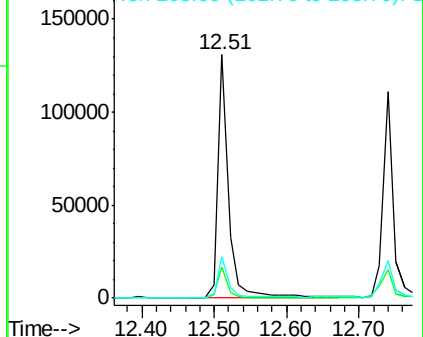
Lab File: BF086480.D

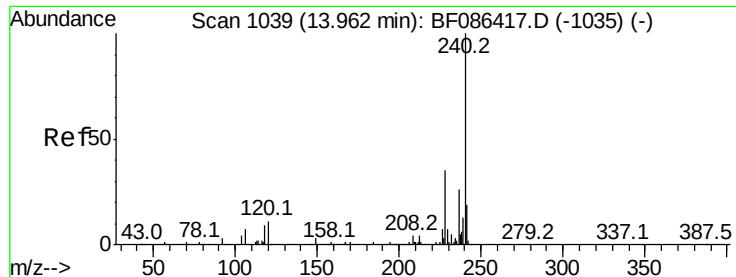
Acq: 28 Apr 2016 23:20

Tgt Ion:202	Resp:	135836
Ion Ratio	Lower	Upper
202	100	
101	12.9	0.0 35.4
203	16.9	0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

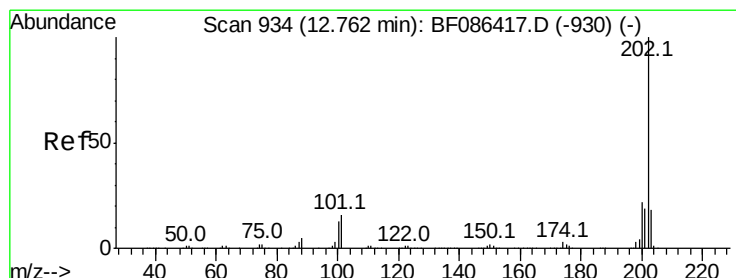
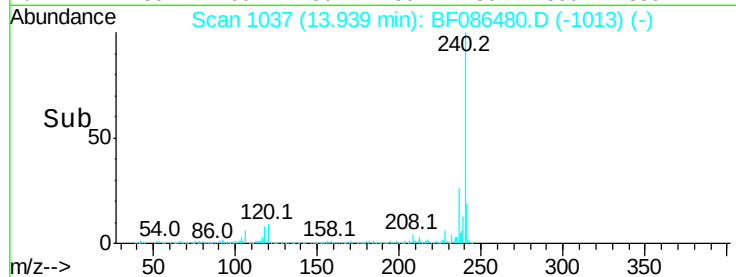
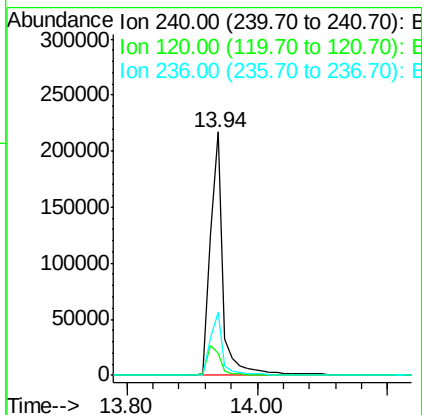
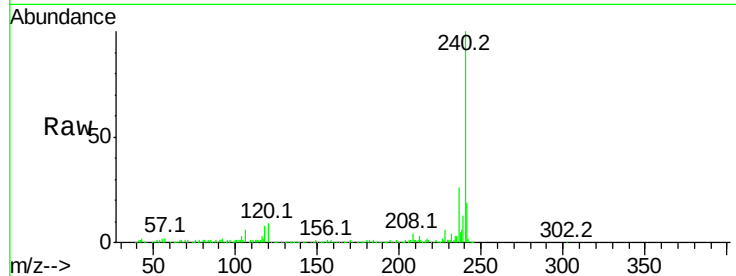
ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

Tot Ion:	240	Resp:	295041
Ion Ratio	Lower	Upper	
240	100		
120	9.4	11.2	16.8#
236	25.7	21.2	31.8

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#77

Pyrene

Concen: 5.31 ng

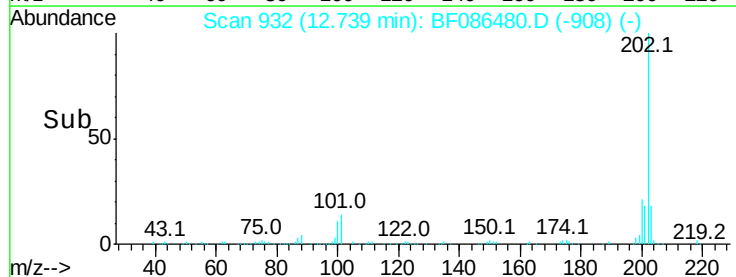
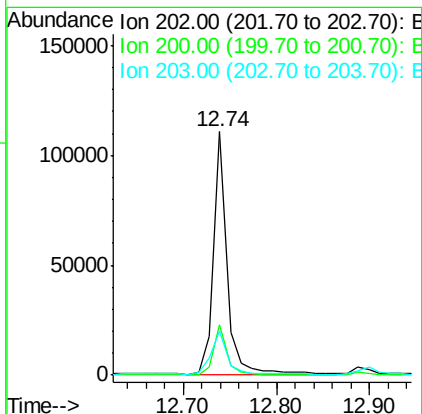
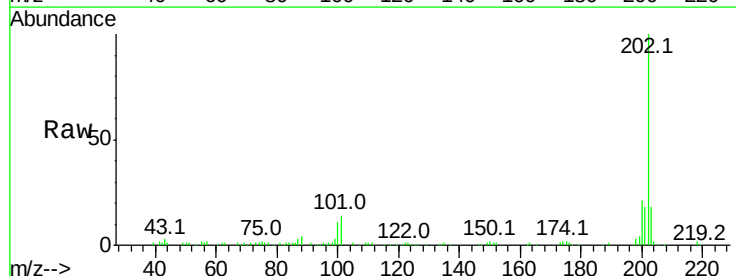
RT: 12.74 min Scan# 932

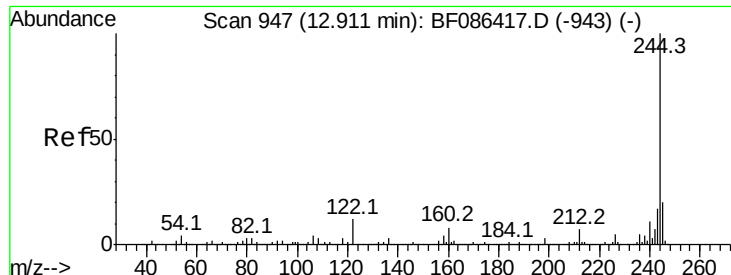
Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Tgt Ion:	202	Resp:	112948
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.7	26.5
203	18.3	14.2	21.4





#78

Terphenyl-d14

Concen: 69.09 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

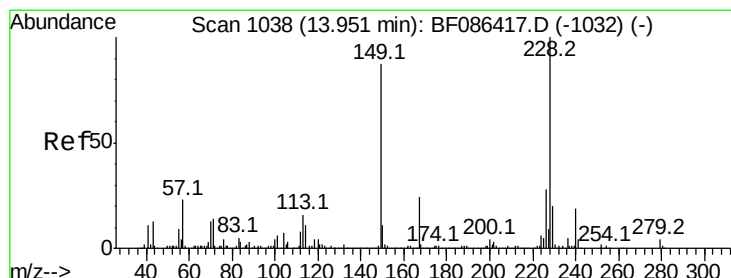
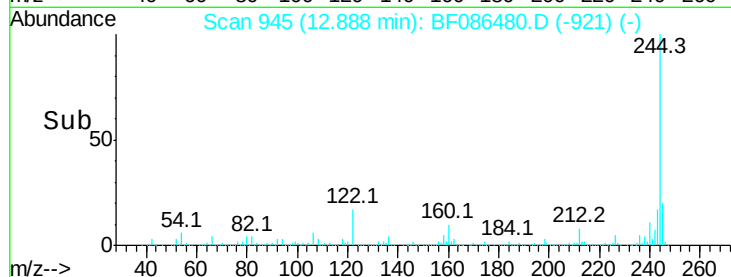
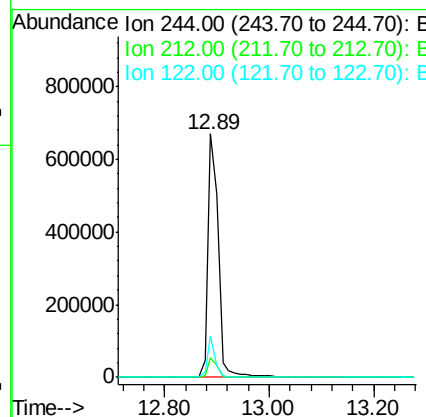
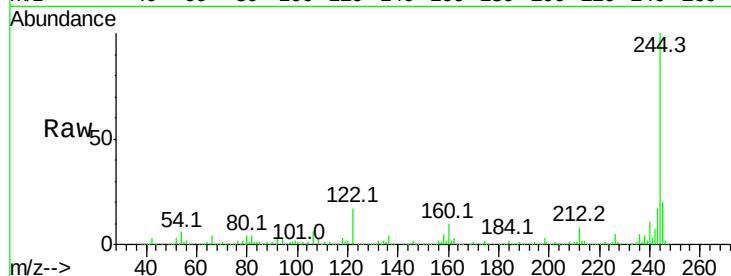
26WARD-2A-CS-18(6-12FTBGS)

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Tot Ion:	244	Resp:	925219
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	17.2	12.0	18.0



#80

Benzo(a)anthracene

Concen: 3.60 ng

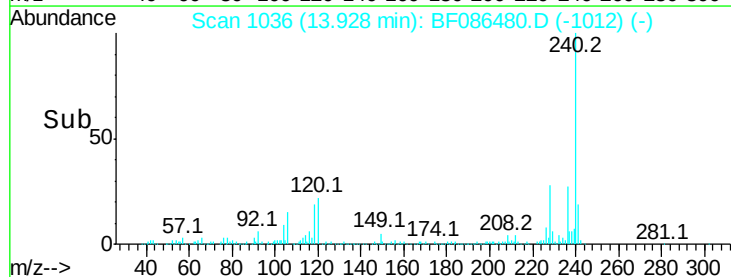
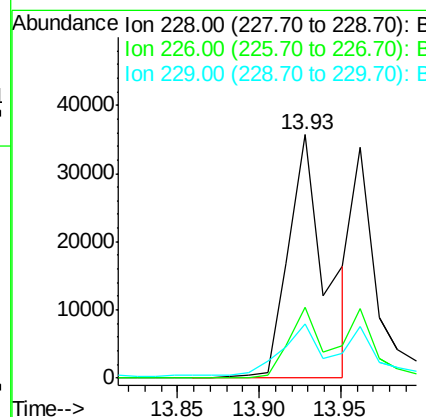
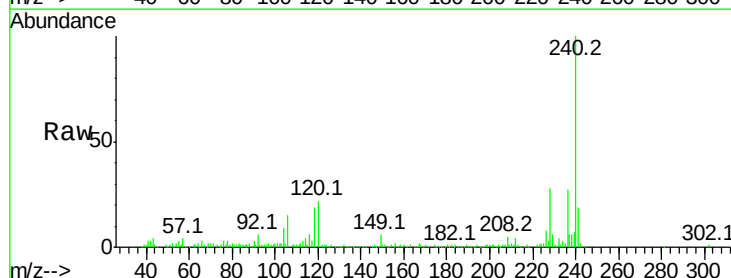
RT: 13.93 min Scan# 1036

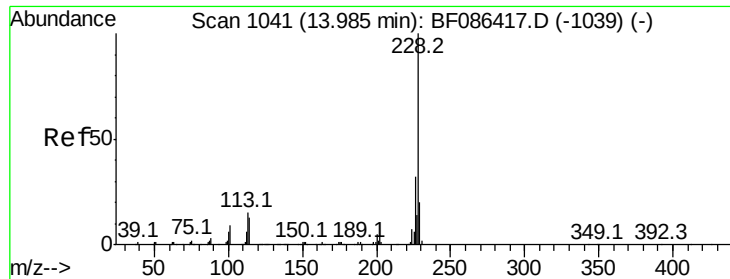
Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Tgt Ion:	228	Resp:	56645
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.5	33.7
229	22.1	16.6	25.0





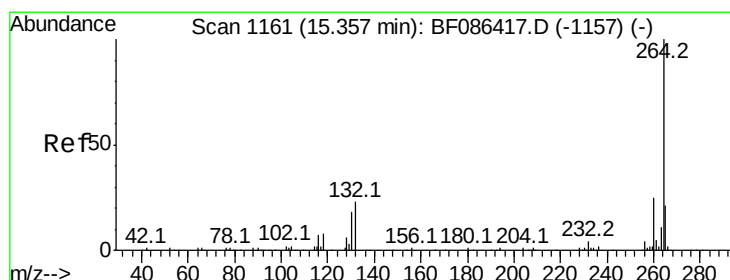
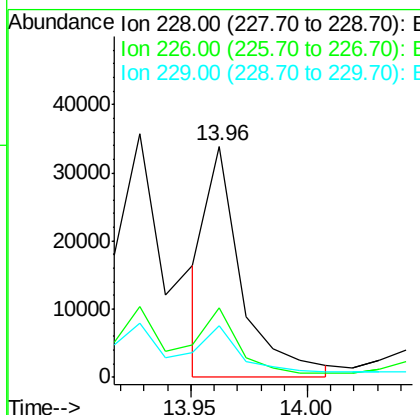
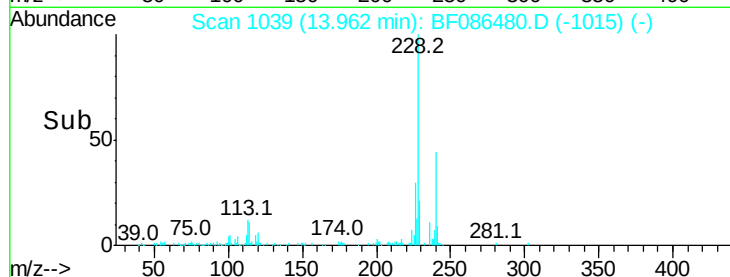
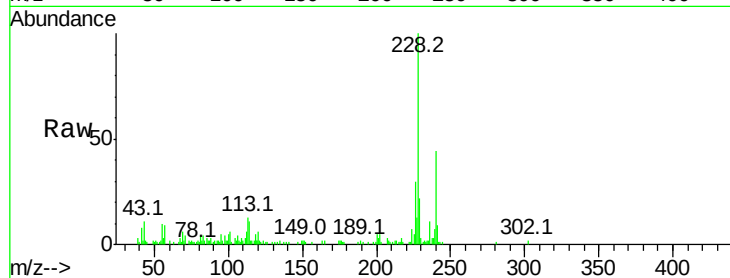
#82
Chrysene
Concen: 2.05 ng/mL
RT: 13.96 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-18(6-12FTBGS)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	22.1	15.8	23.8

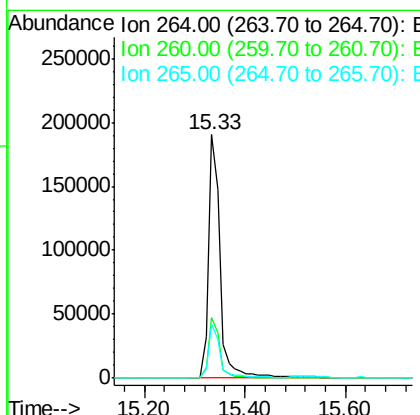
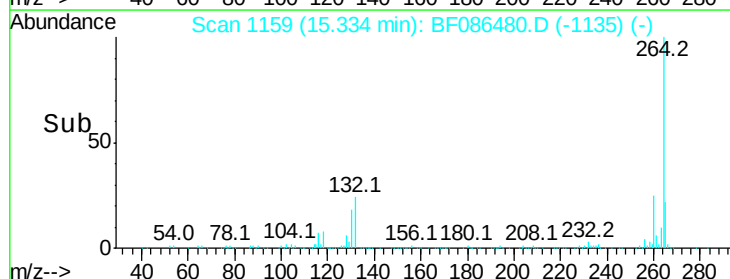
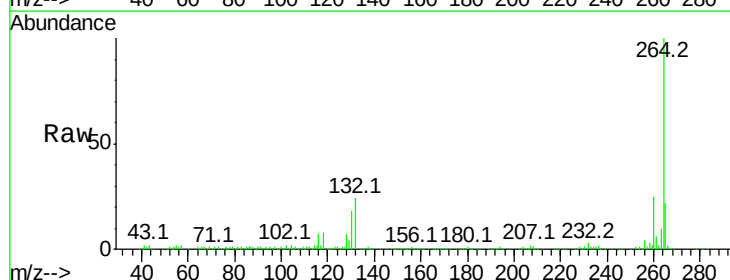
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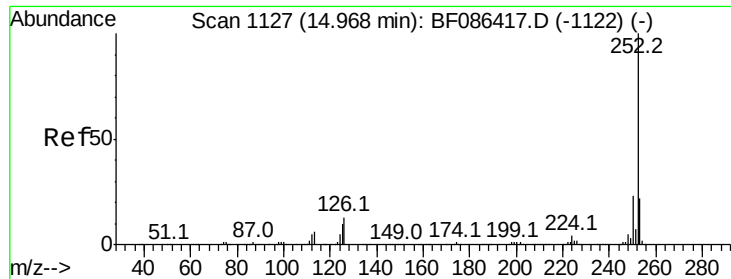
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF086480.D
Acq: 28 Apr 2016 23:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 2.90 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Instrument :

BNA_F

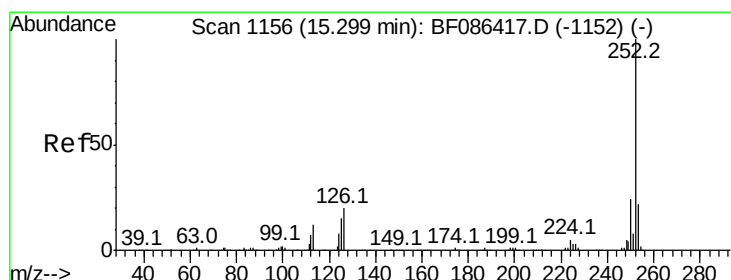
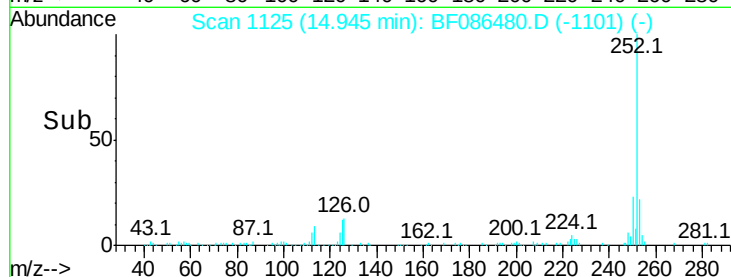
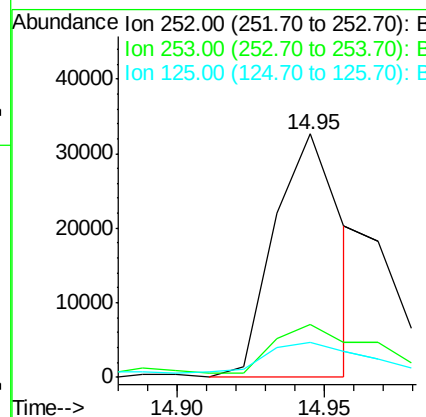
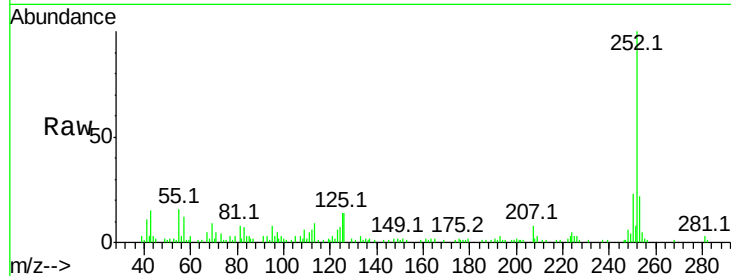
ClientSampleId :

26WARD-2A-CS-18(6-12FTBGS)

Tot Ion:	252	Resp:	52342
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.6
125	14.3	11.4	17.0

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#89

Benzo(a)pyrene

Concen: 2.15 ng

RT: 15.28 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF086480.D

Acq: 28 Apr 2016 23:20

Tgt Ion:	252	Resp:	36634
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.2	25.8
125	15.4	9.0	13.6#

