

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\
 Data File : BF086475.D
 Acq On : 28 Apr 2016 20:56
 Operator : UM/SJ
 Sample : H2654-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-5(0-6FTBGS)

Manual Integrations
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Quant Time: Apr 29 01:28:40 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	160978	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	664553	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	309778	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	503342	20.00	ng	-0.02
75) Chrysene-d12	13.94	240	309823	20.00	ng	-0.02
86) Perylene-d12	15.33	264	309121	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	890723	95.44	ng	-0.01
7) Phenol-d6	6.43	99	1533029	117.69	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1004518	81.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	237071	72.57	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1341953	73.54	ng	-0.02
78) Terphenyl-d14	12.89	244	1007623	71.65	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	181648	7.79	ng	98
70) Phenanthrene	11.32	178	52938	2.00	ng	100
73) Di-n-butylphthalate	11.87	149	65967	2.33	ng	# 99
74) Fluoranthene	12.51	202	117536	4.41	ng	96
77) Pyrene	12.74	202	112533	5.04	ng	98
80) Benzo(a)anthracene	13.93	228	58427	3.54	ng	95
82) Chrysene	13.96	228	37602m	2.09	ng	
85) Indeno(1,2,3-cd)pyrene	16.68	276	33743	2.54	ng	94
87) Benzo(b)fluoranthene	14.95	252	60356m	3.32	ng	
89) Benzo(a)pyrene	15.28	252	46469	2.71	ng	# 89
91) Benzo(g,h,i)perylene	17.08	276	31324	2.22	ng	96

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

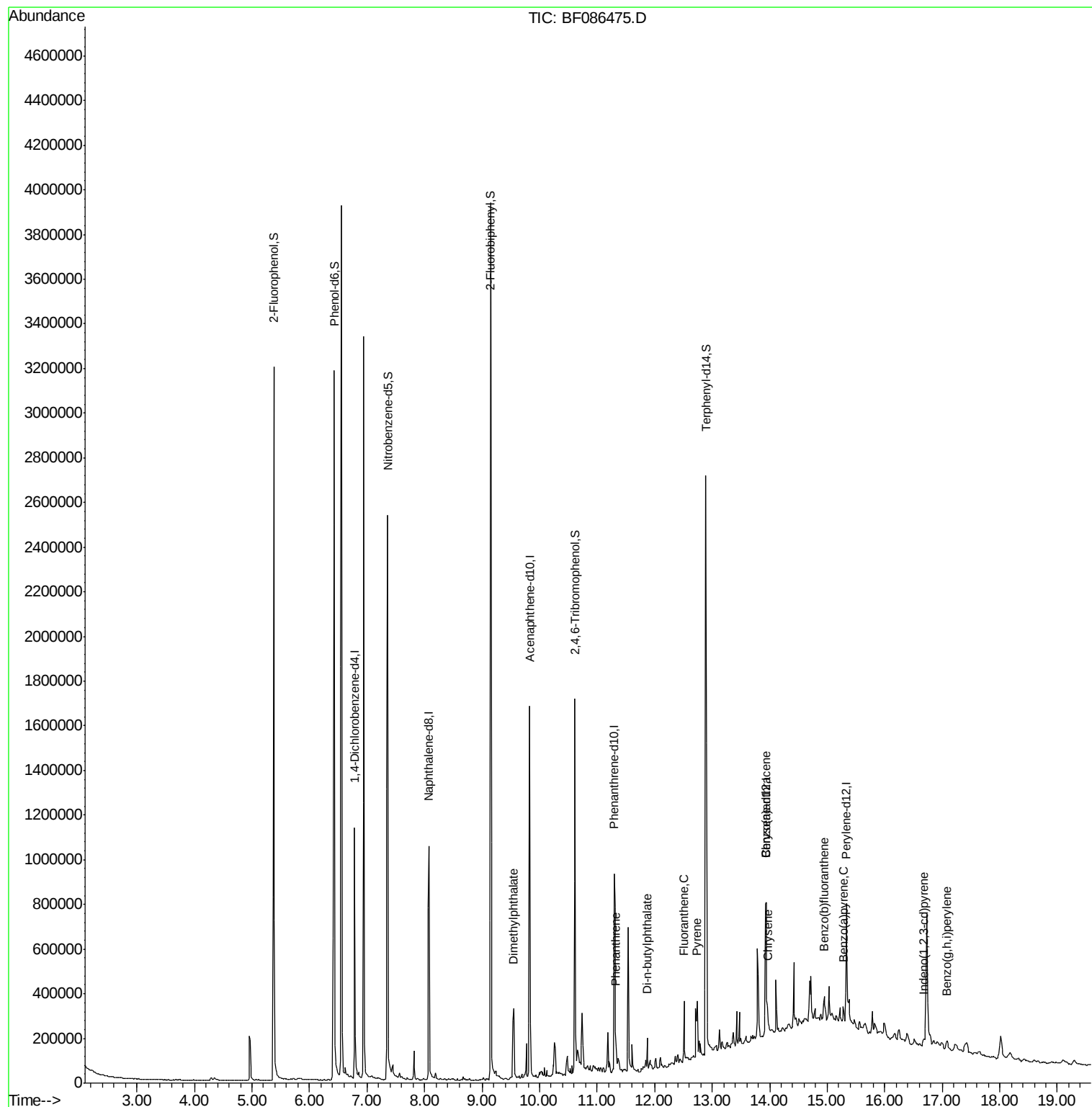
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\
Data File : BF086475.D
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Sample : H2654-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

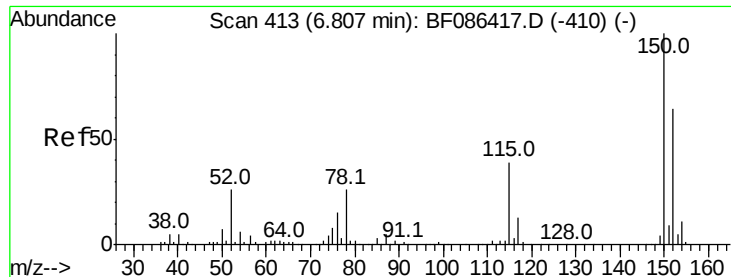
Instrument :
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#1

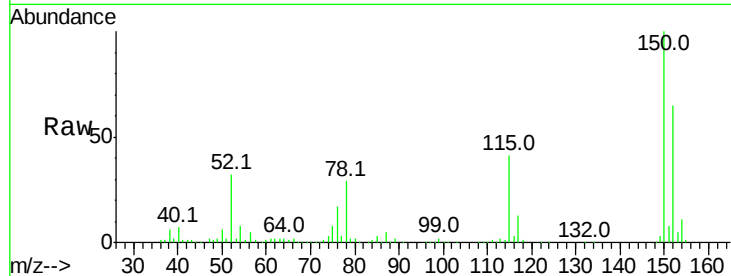
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

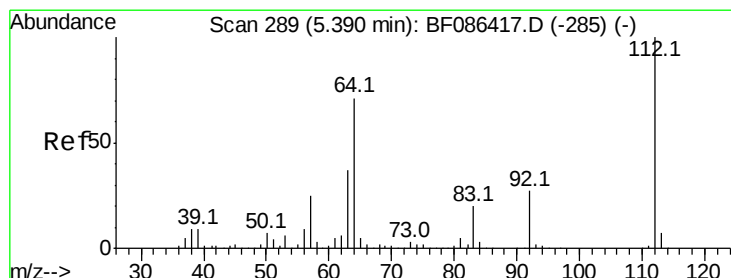
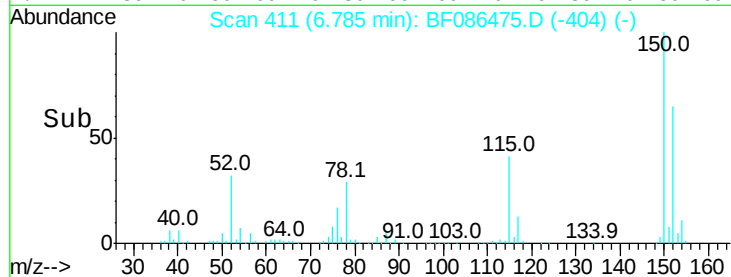
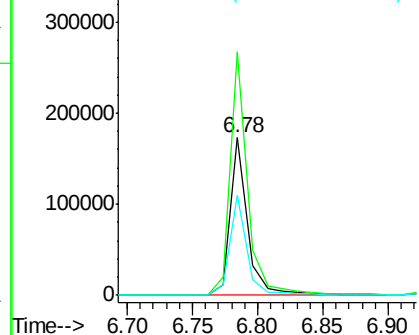
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.8	188.6
115	63.7	51.5	77.3

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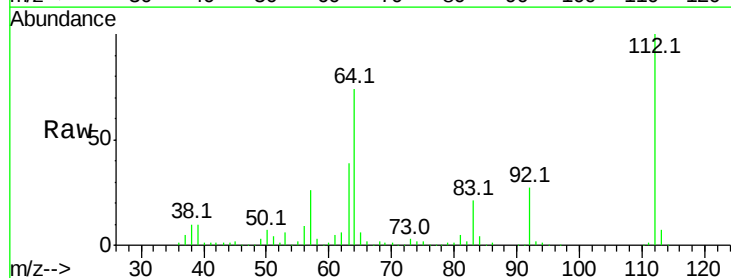
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



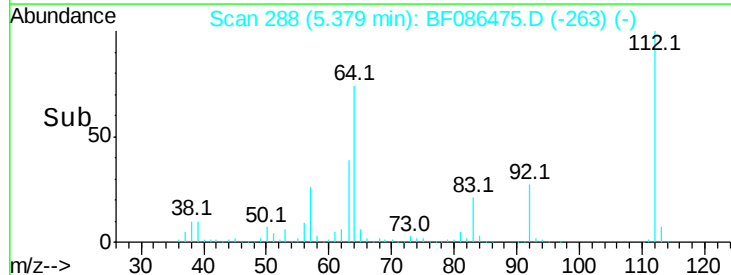
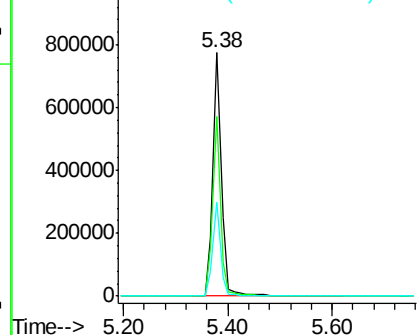
#5

2-Fluorophenol
Concen: 95.44 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	52.1	78.1
63	38.5	25.7	38.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.69 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

Tot Ion: 99 Resp: 1533029

Ion Ratio Lower Upper

99 100

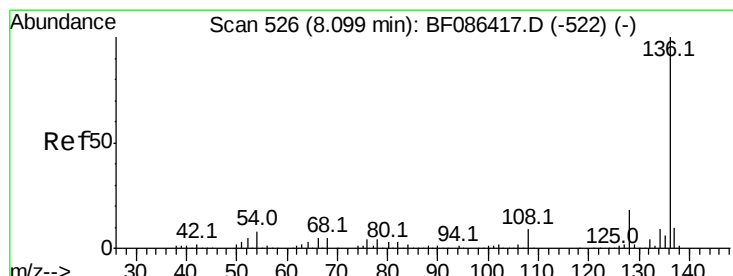
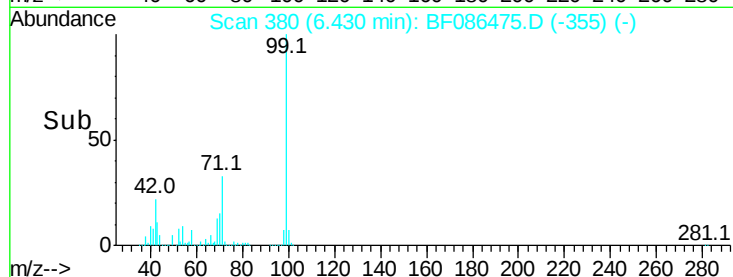
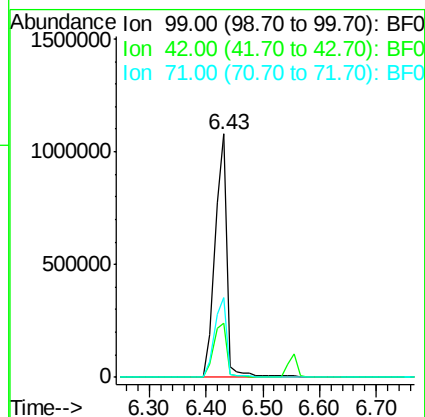
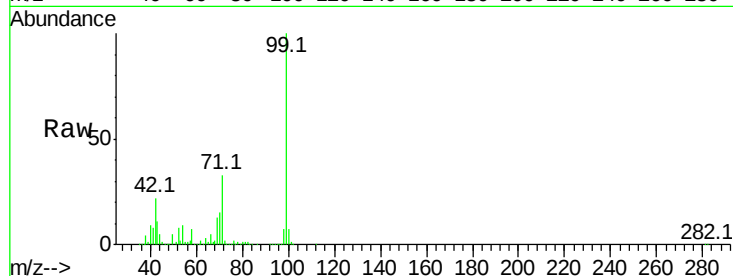
42 22.2 13.6 20.4#

71 32.9 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: BF086475.D

Acq: 28 Apr 2016 20:56

Tgt Ion: 136 Resp: 664553

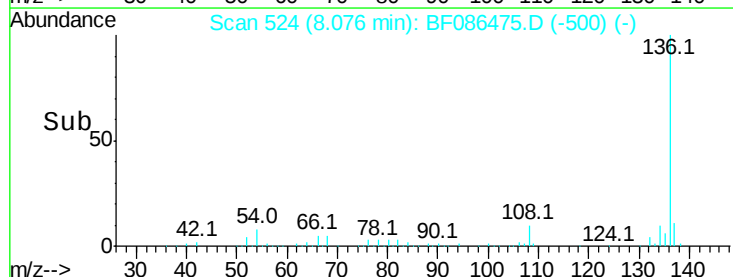
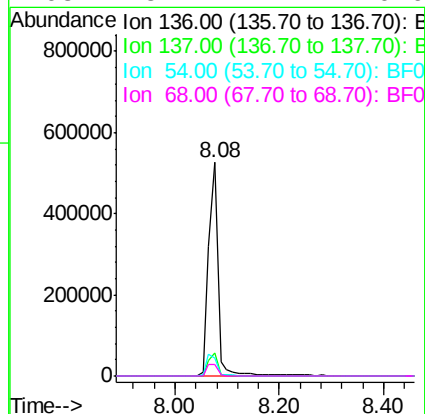
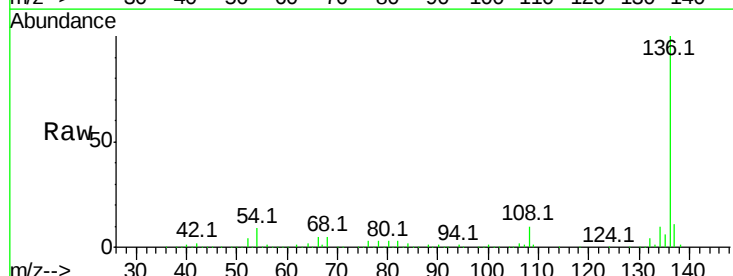
Ion Ratio Lower Upper

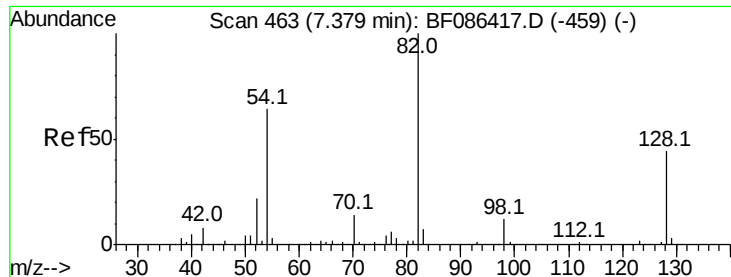
136 100

137 10.9 8.8 13.2

54 8.5 5.0 7.4#

68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 81.48 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

Tot Ion: 82 Resp: 1004518

Ion Ratio Lower Upper

82 100

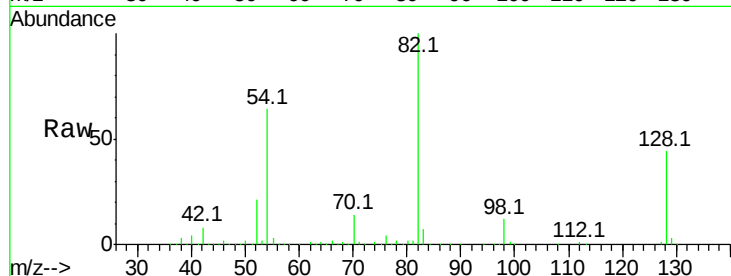
128 43.7 40.6 61.0

54 63.5 38.1 57.1#

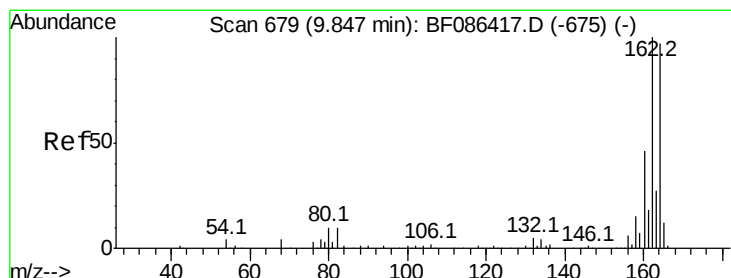
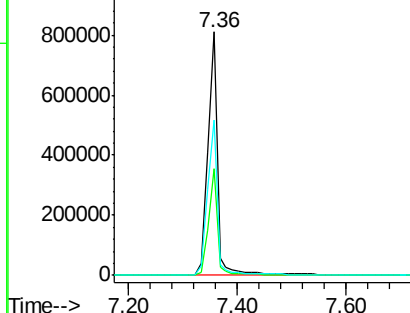
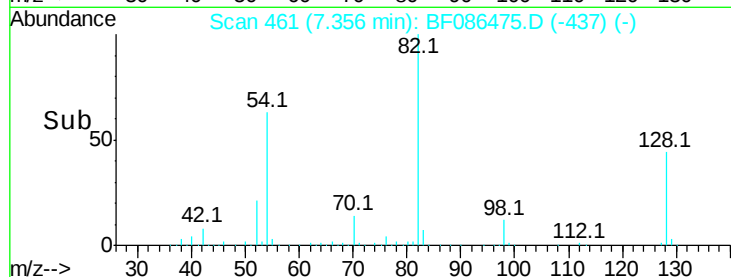
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

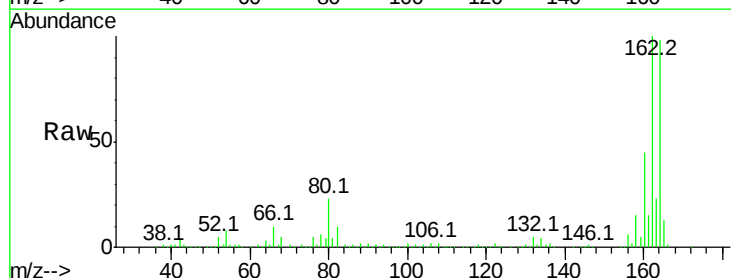
Tgt Ion: 164 Resp: 309778

Ion Ratio Lower Upper

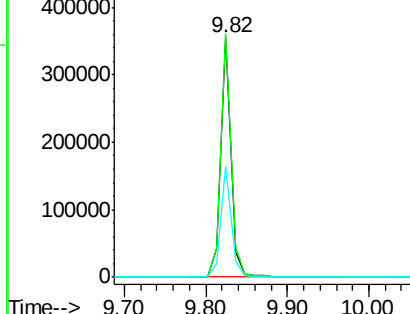
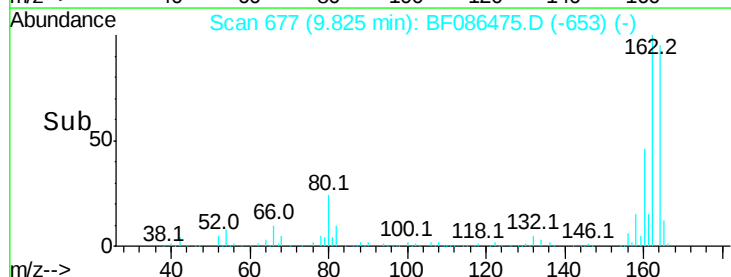
164 100

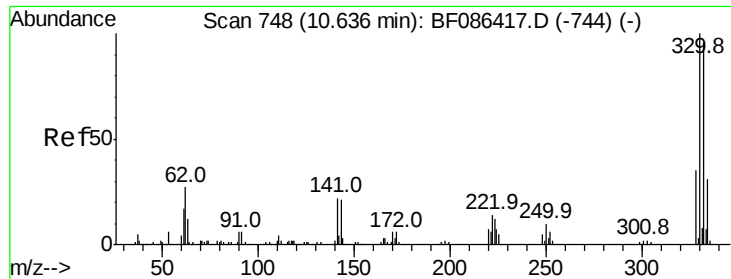
162 101.7 82.8 124.2

160 46.2 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





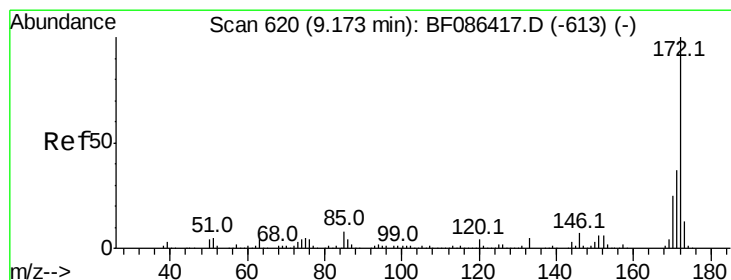
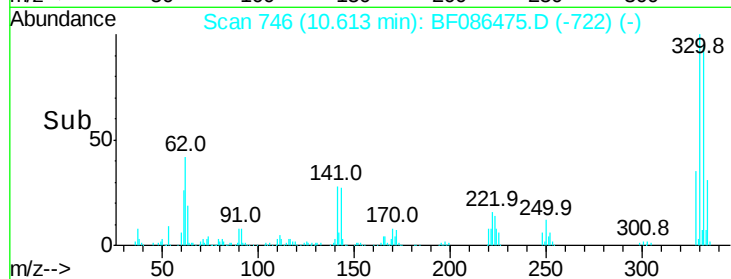
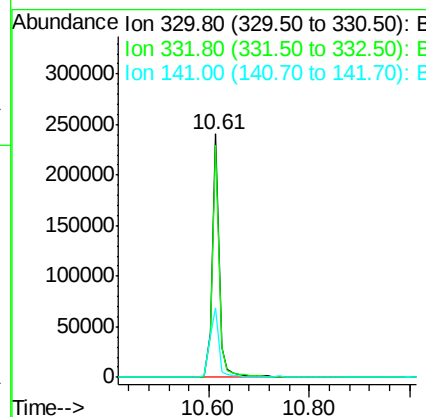
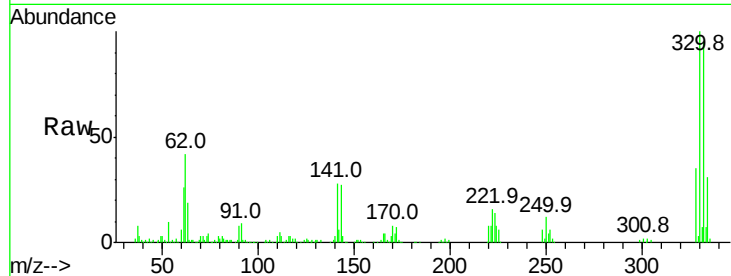
#41
 2,4,6-Tribromophenol
 Concen: 72.57 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-5(0-6FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	237071		
332	94.7	79.0	118.4	
141	36.3	31.2	46.8	

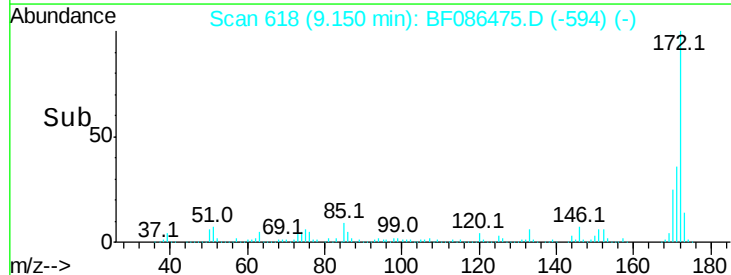
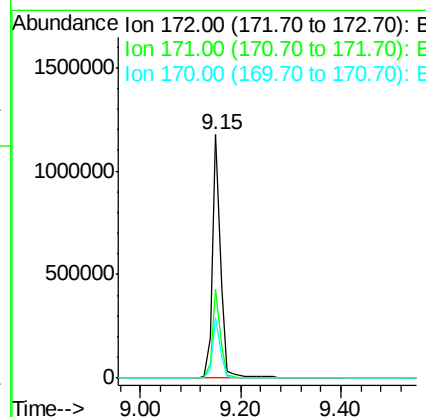
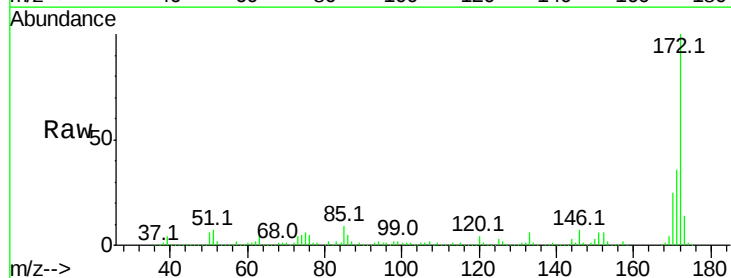
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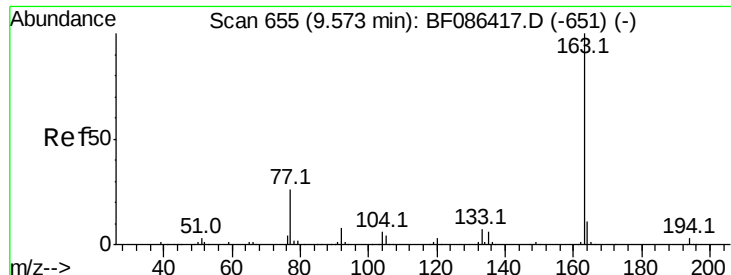
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#44
 2-Fluorobiphenyl
 Concen: 73.54 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1341953		
171	36.5	29.0	43.6	
170	24.6	19.8	29.8	





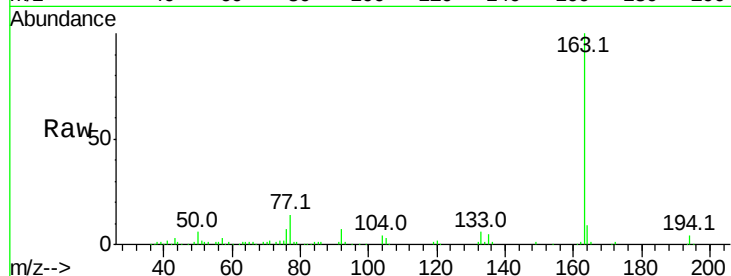
#49
Dimethylphthalate
Concen: 7.79 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

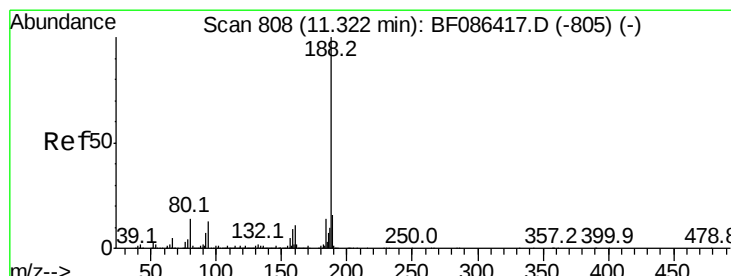
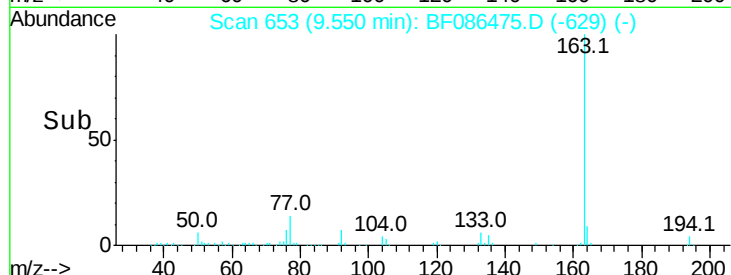
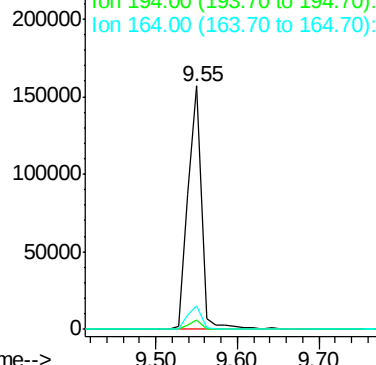
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.6	4.0	
164	9.4	8.2	12.4	

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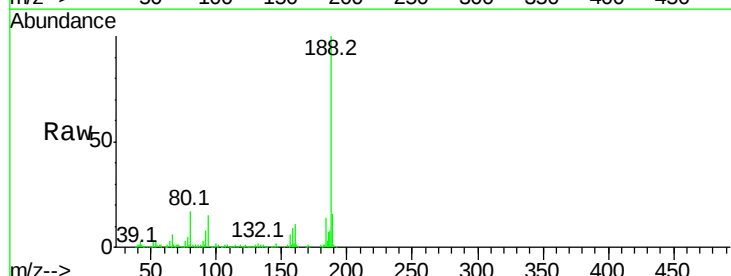


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

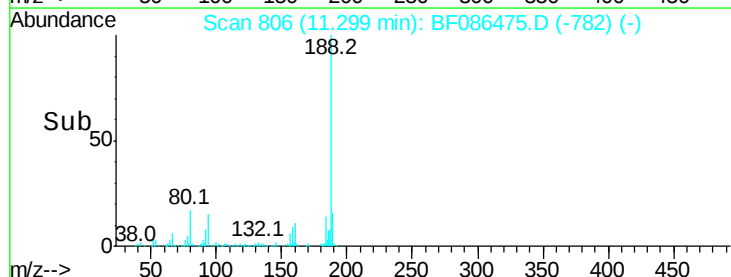
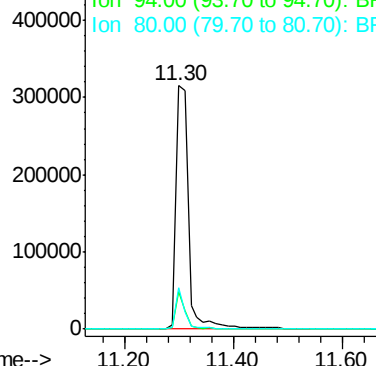


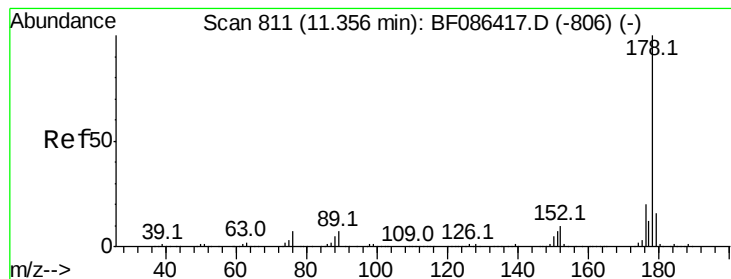
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	15.3	6.8	10.2#	
80	17.0	7.1	10.7#	



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: 2.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

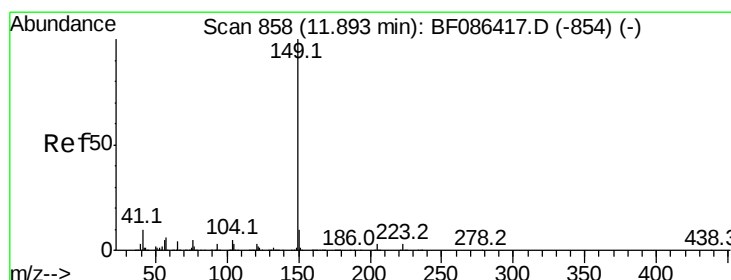
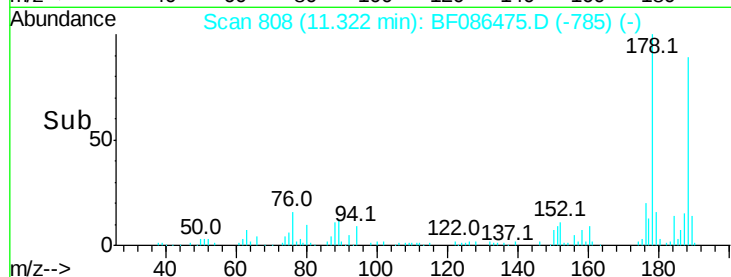
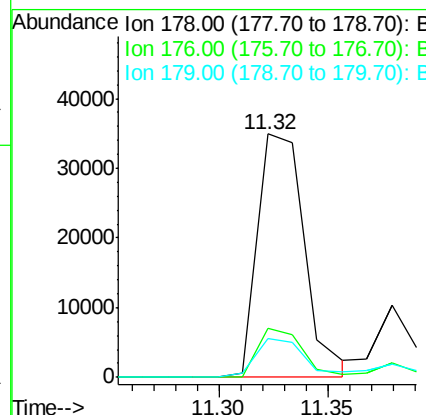
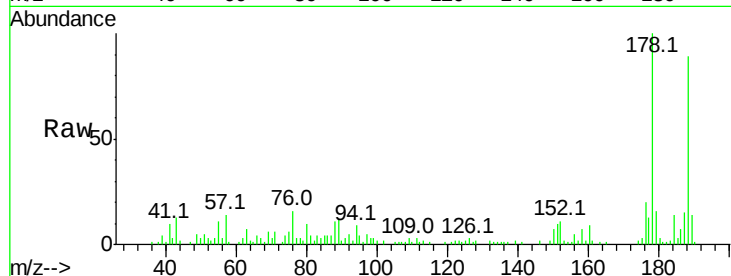
ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:	178	Resp:	52938
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.0	24.0
179	16.0	12.6	18.8

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#73

Di-n-butylphthalate

Concen: 2.33 ng

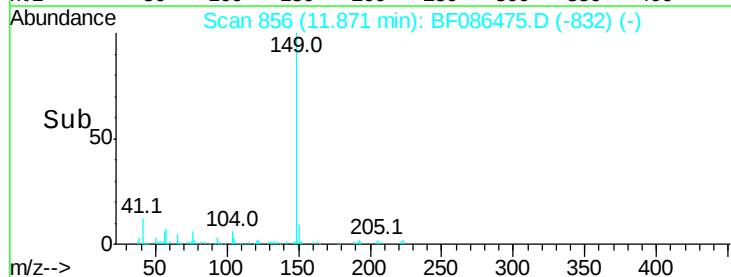
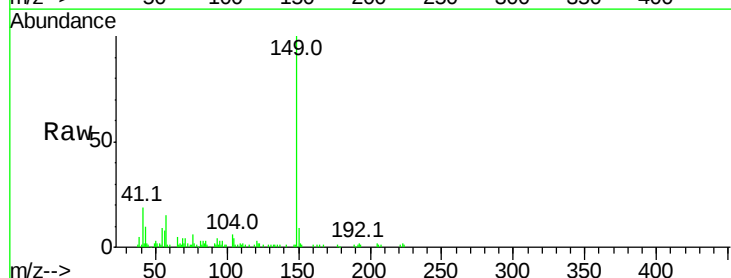
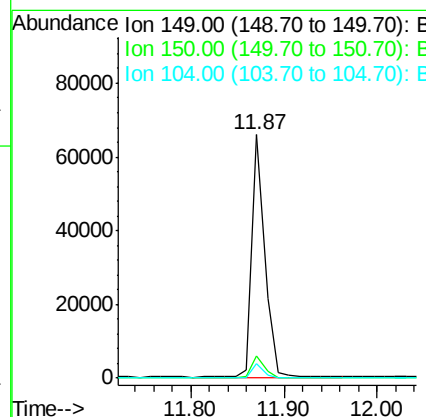
RT: 11.87 min Scan# 856

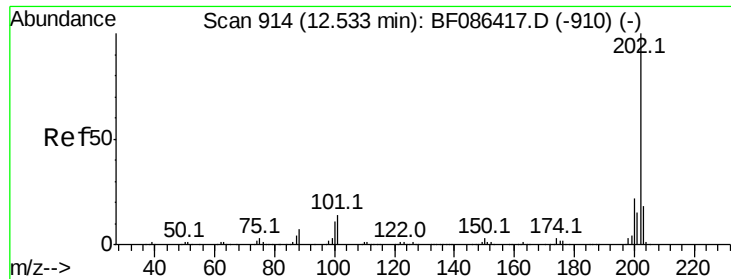
Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Tgt Ion:	149	Resp:	65967
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.6	11.4
104	5.8	3.8	5.6#





#74

Fluoranthene

Concen: 4.41 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

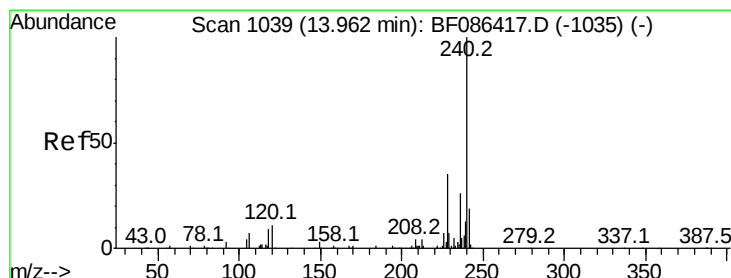
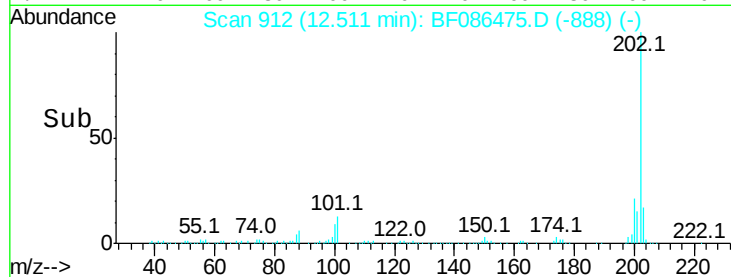
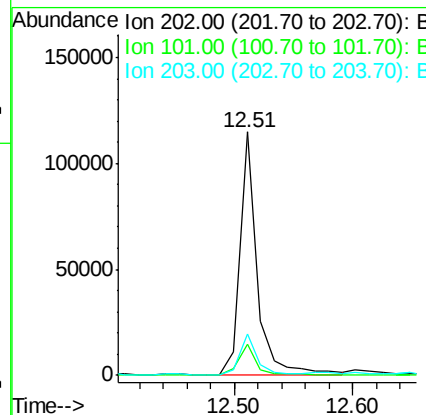
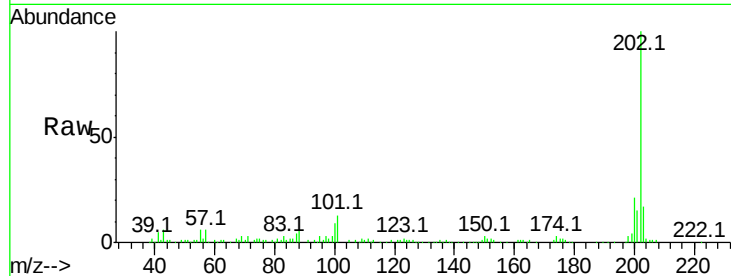
ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	117536		
101	13.0	0.0	35.4	
203	17.1	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

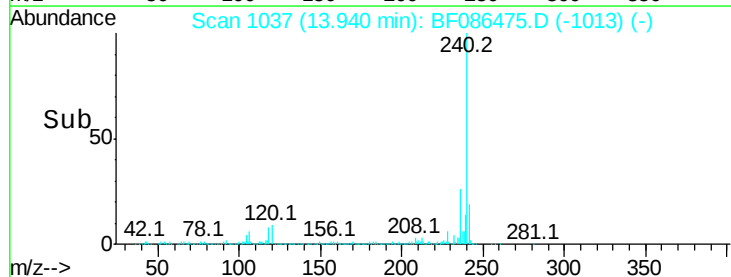
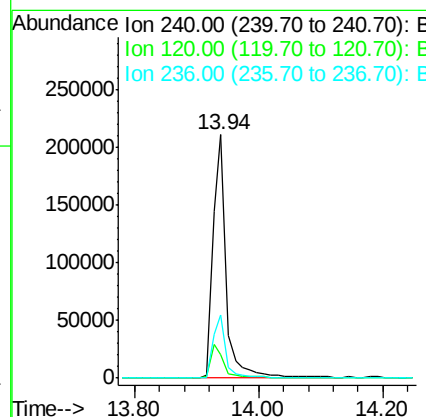
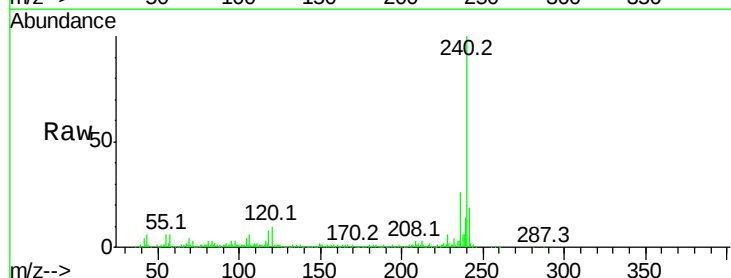
RT: 13.94 min Scan# 1037

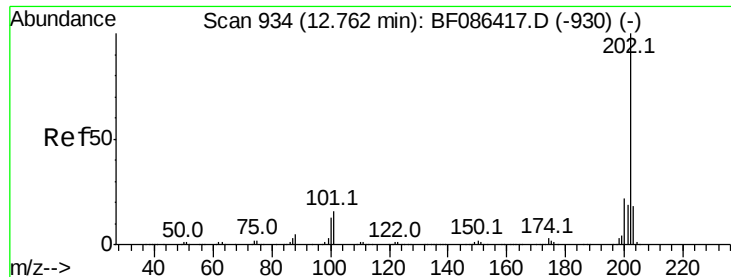
Delta R.T. -0.02 min

Lab File: BF086475.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	309823		
120	9.6	11.2	16.8#	
236	26.0	21.2	31.8	





#77

Pvrene

Concen: 5.04 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

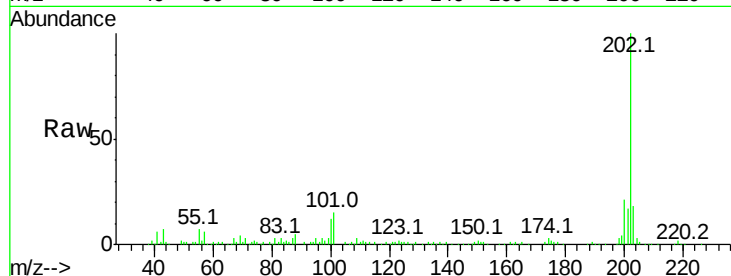
ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:	202	Resp:	112533
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.7	26.5
203	17.6	14.2	21.4

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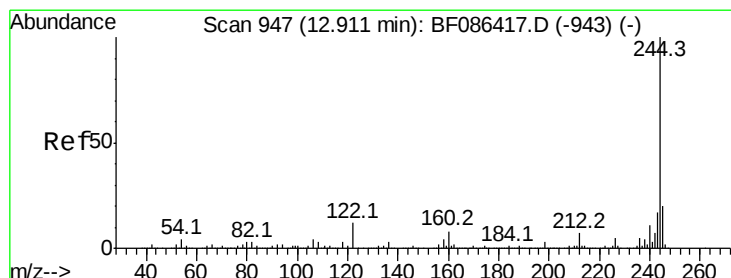
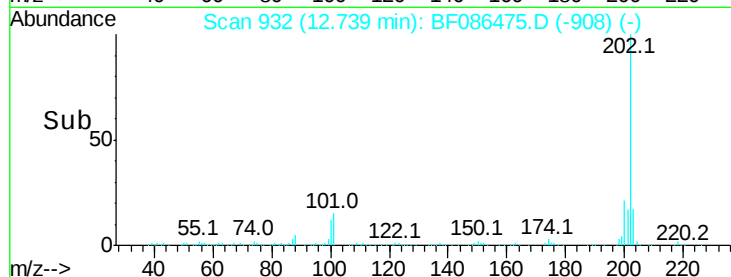
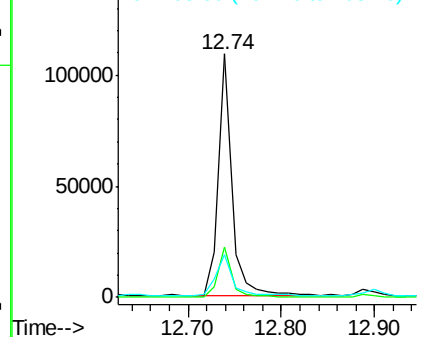
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.65 ng

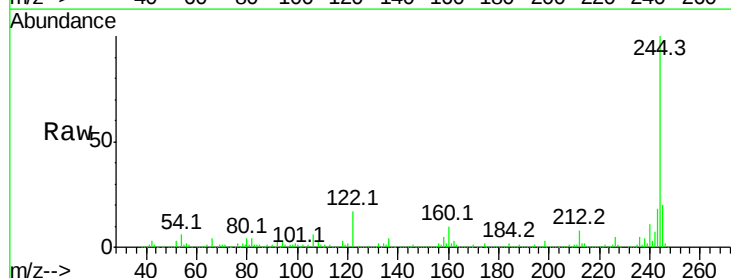
RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

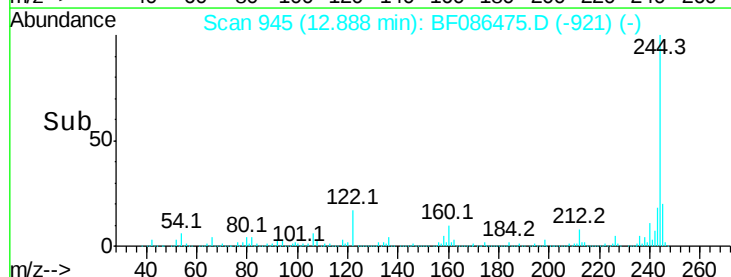
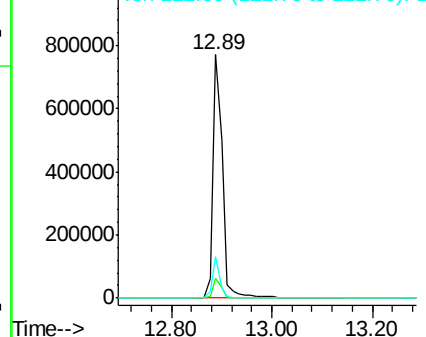
Tgt Ion:	244	Resp:	1007623
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	16.8	12.0	18.0

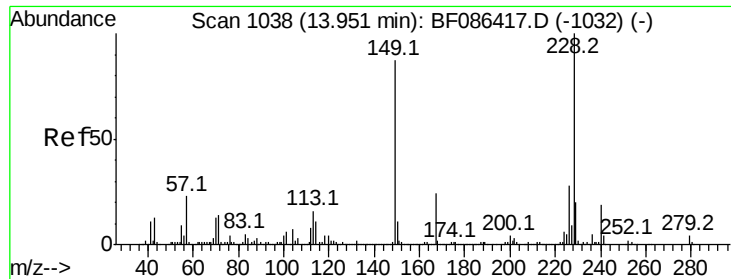


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





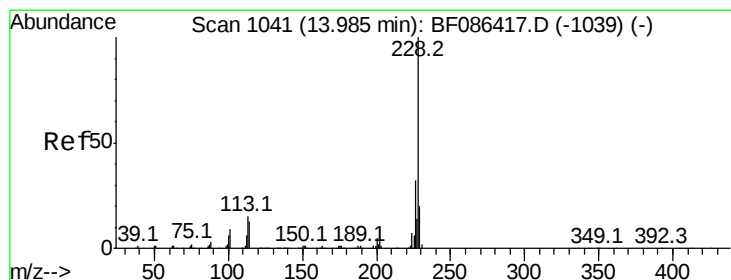
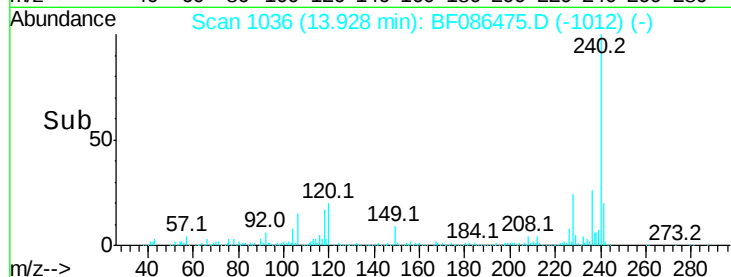
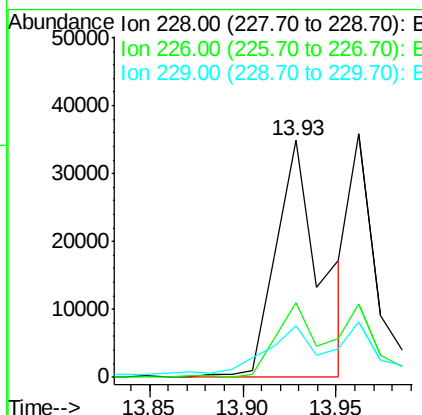
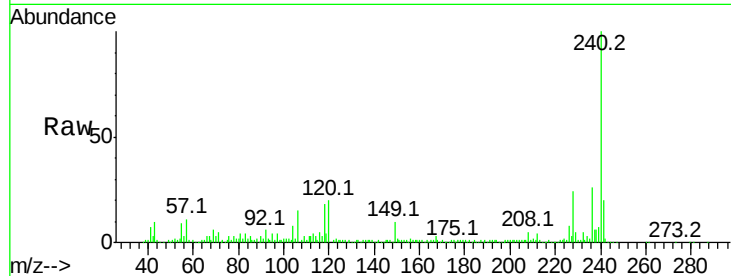
#80
 Benzo(a)anthracene
 Concen: 3.54 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:	228	Resp:	58427
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.5	33.7
229	22.0	16.6	25.0

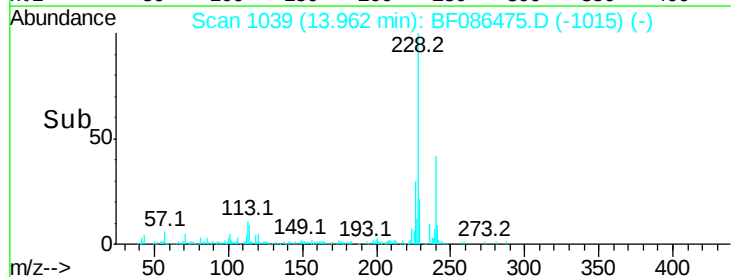
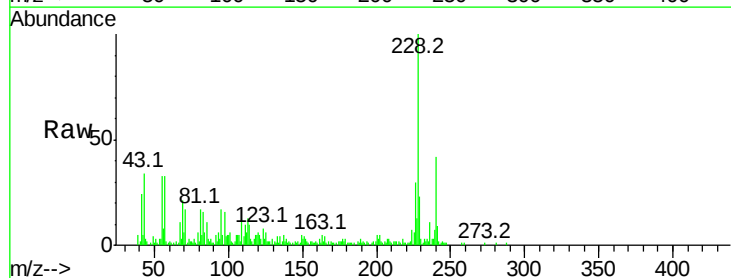
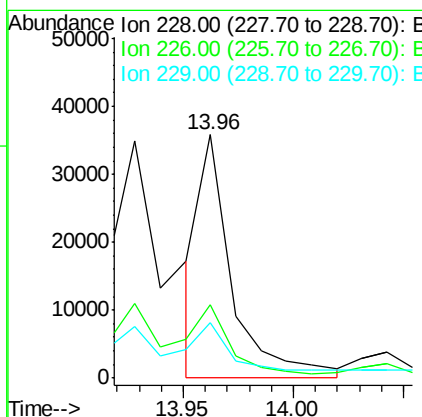
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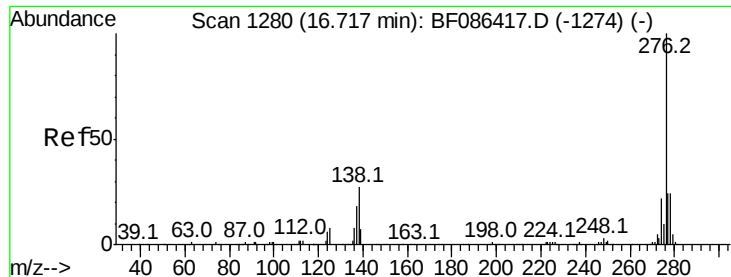
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#82
 Chrysene
 Concen: 2.09 ng m
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Tgt Ion:	228	Resp:	37602
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	22.6	15.8	23.8





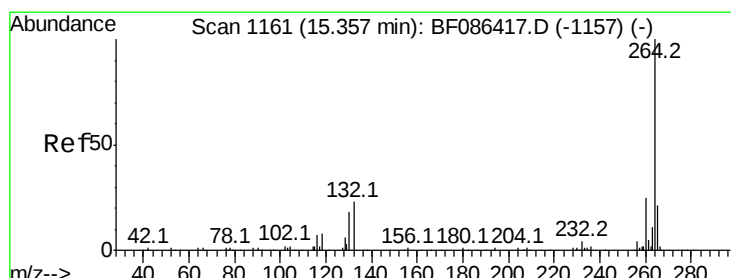
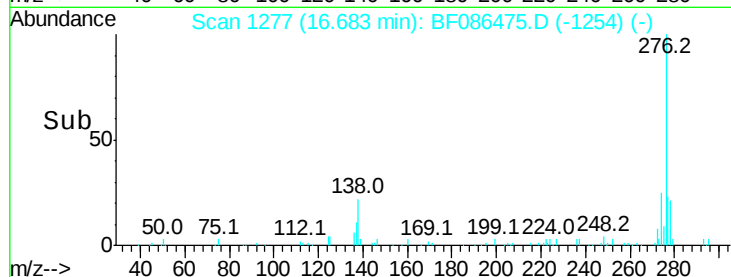
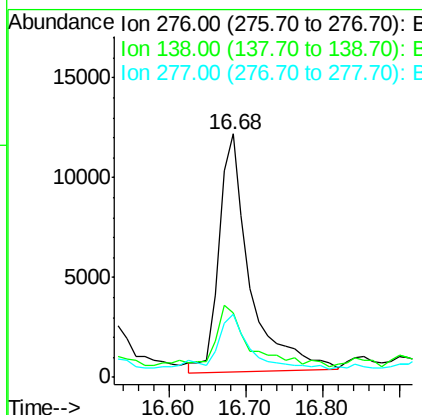
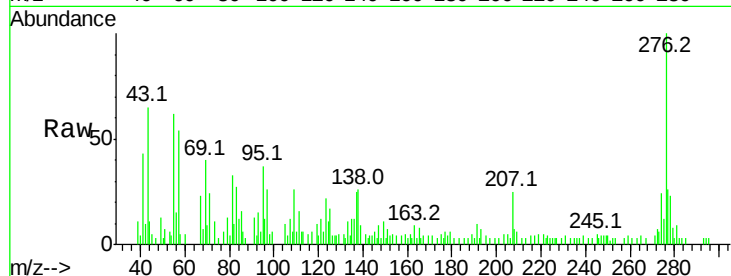
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.54 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.6	38.4
277	26.5	20.5	30.7

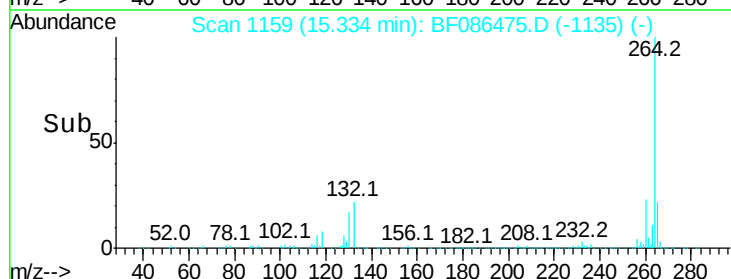
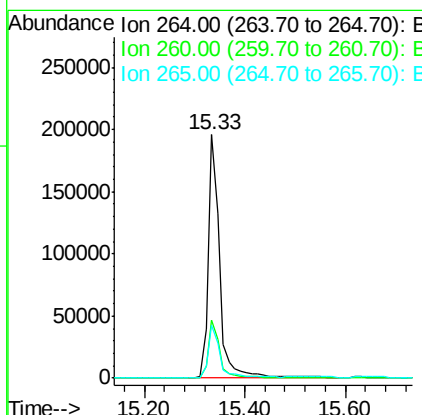
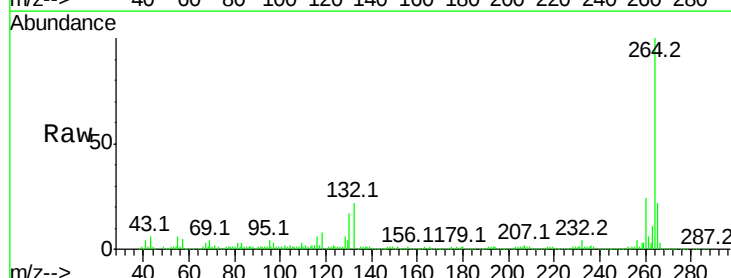
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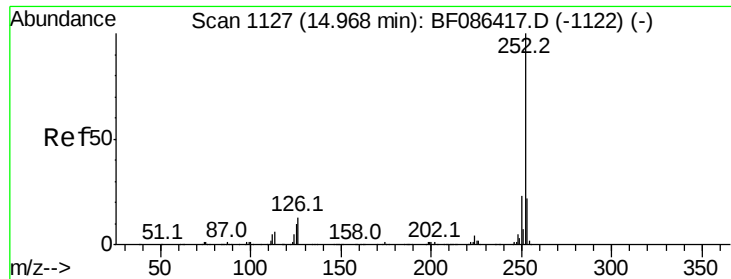
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 3.32 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

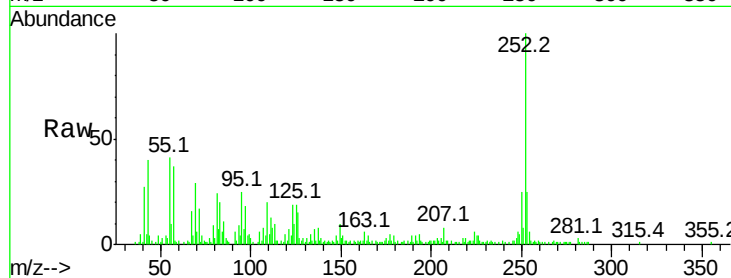
ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

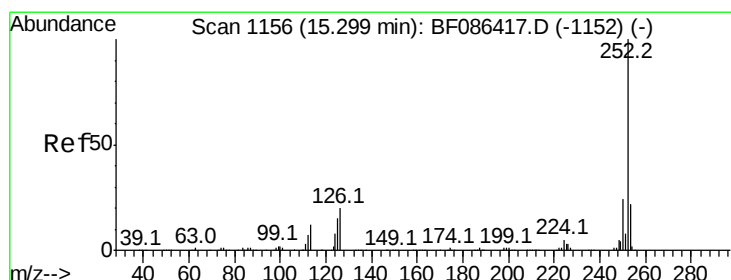
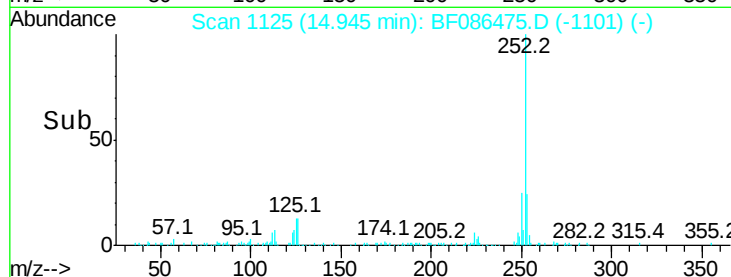
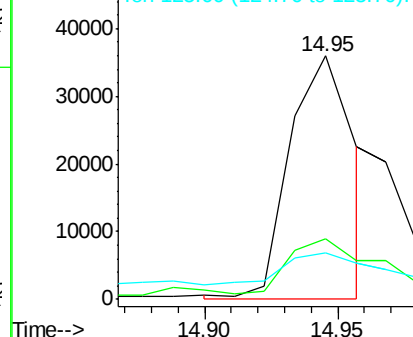
Tot Ion:	252	Resp:	60356
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.8	26.6
125	19.1	11.4	17.0

Manual Integrations
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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: 2.71 ng

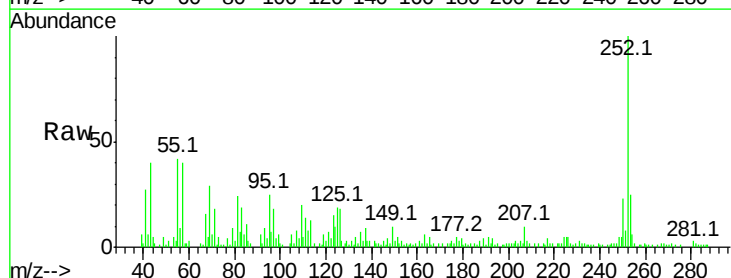
RT: 15.28 min Scan# 1154

Delta R.T. -0.02 min

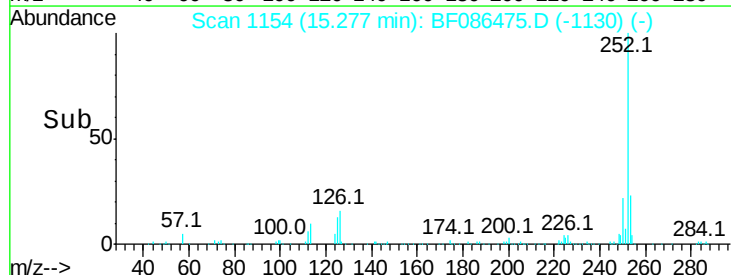
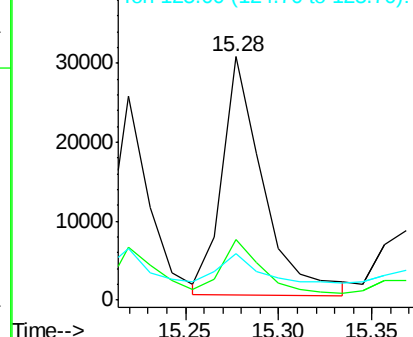
Lab File: BF086475.D

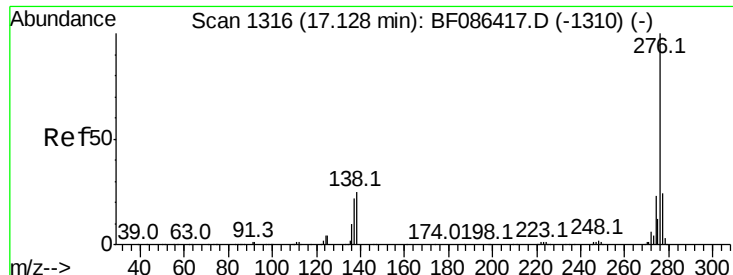
Acq: 28 Apr 2016 20:56

Tgt Ion:	252	Resp:	46469
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.2	25.8
125	19.1	9.0	13.6



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





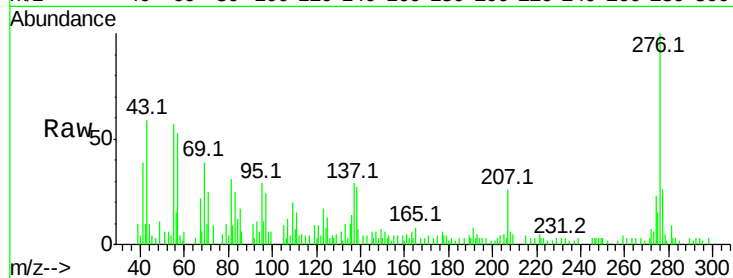
#91
 Benzo(a,h,i)perylene
 Concen: 2.22 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.05 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:	276	Resp:	31324
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.6	29.4
138	26.7	23.6	35.4

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

