

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\
 Data File : BF086481.D
 Acq On : 28 Apr 2016 23:49
 Operator : UM/SJ
 Sample : H2654-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-7(0-6FTBGS)

Manual Integrations
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Quant Time: Apr 29 02:00:50 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	153441	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	606920	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	247198	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	363315	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	278744	20.00	ng	-0.01
86) Perylene-d12	15.36	264	247472	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	811941	91.27	ng	-0.01
7) Phenol-d6	6.43	99	1264506	101.85	ng	-0.01
23) Nitrobenzene-d5	7.36	82	807778	71.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	215791	82.78	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1070402	73.50	ng	-0.02
78) Terphenyl-d14	12.90	244	746699	59.02	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.79	122	3362	9.27	ng	# 83
49) Dimethylphthalate	9.55	163	173167	9.31	ng	98
70) Phenanthrene	11.33	178	107124	5.62	ng	99
74) Fluoranthene	12.52	202	154172	8.01	ng	95
77) Pyrene	12.75	202	139066	6.92	ng	98
80) Benzo(a)anthracene	13.94	228	78105	5.26	ng	94
82) Chrysene	13.97	228	78234m	4.84	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	153958	14.26	ng	99
85) Indeno(1,2,3-cd)pyrene	16.71	276	54616	4.56	ng	# 87
87) Benzo(b)fluoranthene	14.96	252	96121m	6.60	ng	
88) Benzo(k)fluoranthene	14.97	252	50975m	3.36	ng	
89) Benzo(a)pyrene	15.30	252	70684	5.14	ng	# 58
91) Benzo(a,h,i)perylene	17.12	276	55895	4.96	ng	94

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

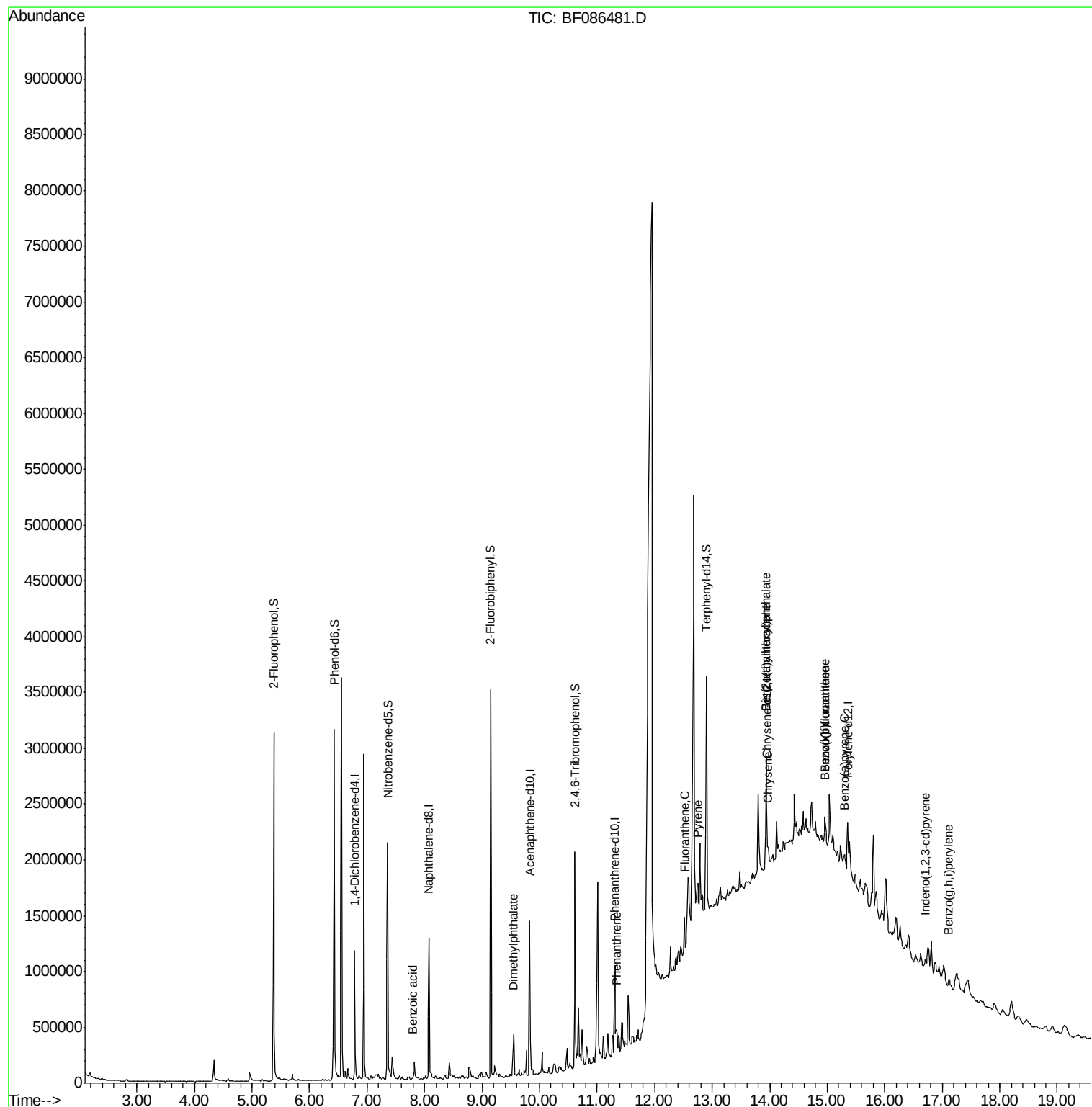
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\
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ALS Vial : 18 Sample Multiplier: 1

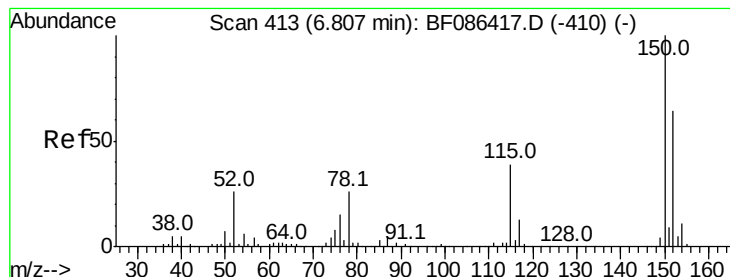
Instrument :
BNA_F
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

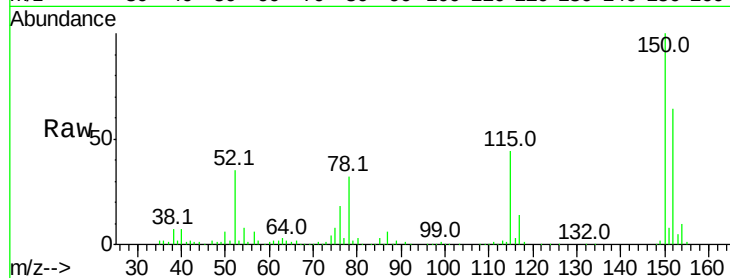
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

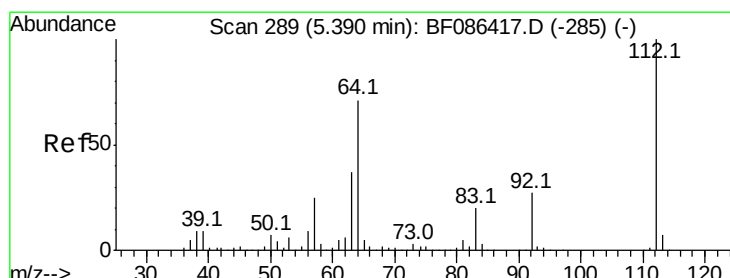
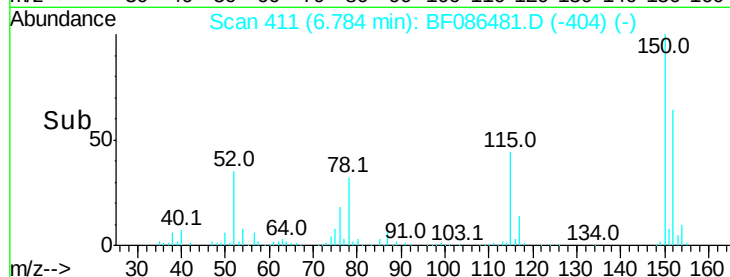
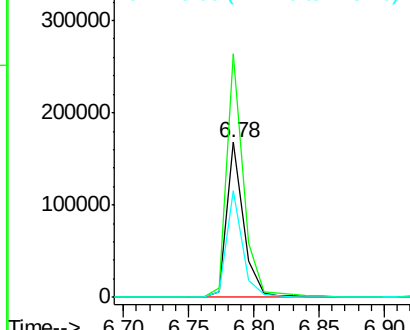
Tot Ion:	152	Resp:	153441
Ion Ratio	Lower	Upper	
152	100		
150	157.0	125.8	188.6
115	68.6	51.5	77.3

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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: 91.27 ng

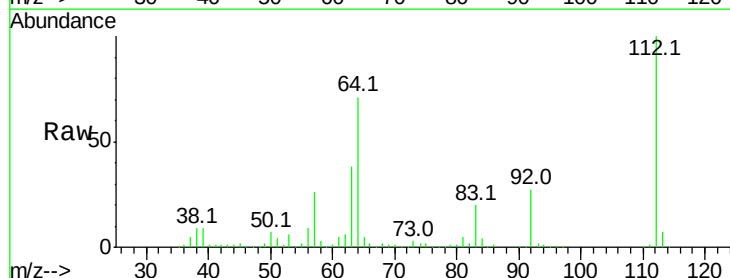
RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

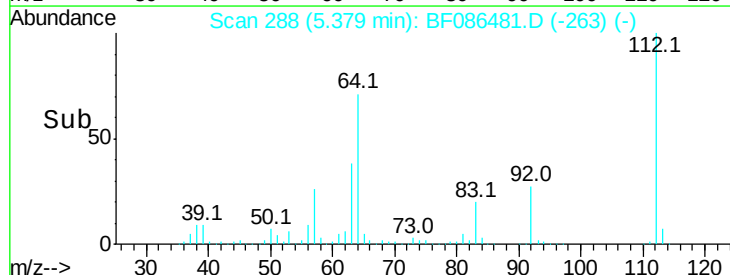
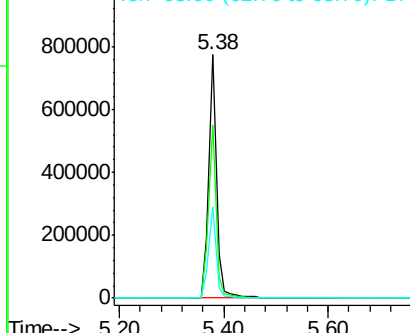
Lab File: BF086481.D

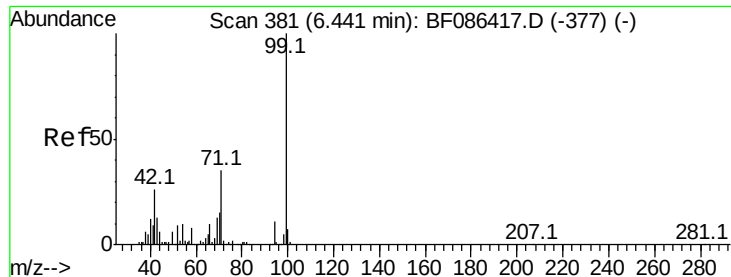
Acq: 28 Apr 2016 23:49

Tgt Ion:	112	Resp:	811941
Ion Ratio	Lower	Upper	
112	100		
64	71.0	52.1	78.1
63	37.7	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: 101.85 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1264506

Ion Ratio Lower Upper

99 100

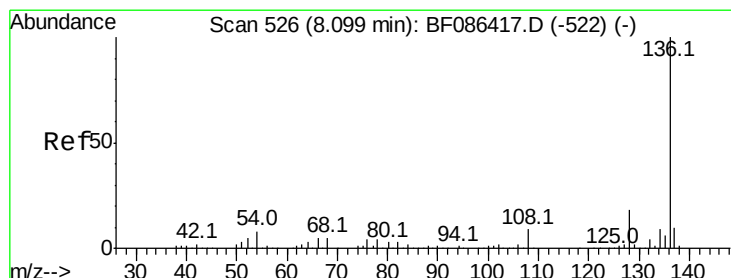
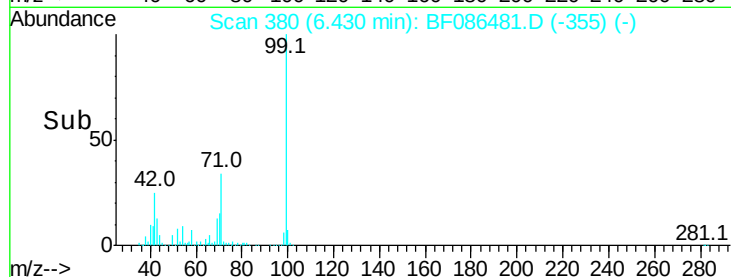
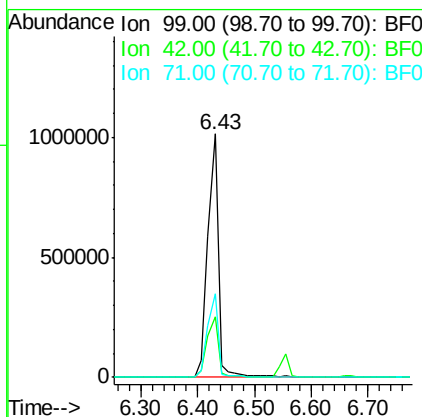
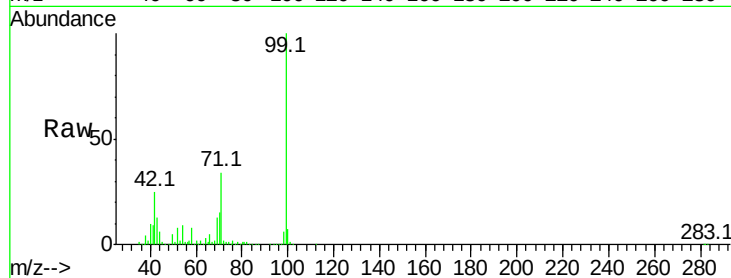
42 24.9 13.6 20.4#

71 34.3 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: BF086481.D

Acq: 28 Apr 2016 23:49

Tgt Ion: 136 Resp: 606920

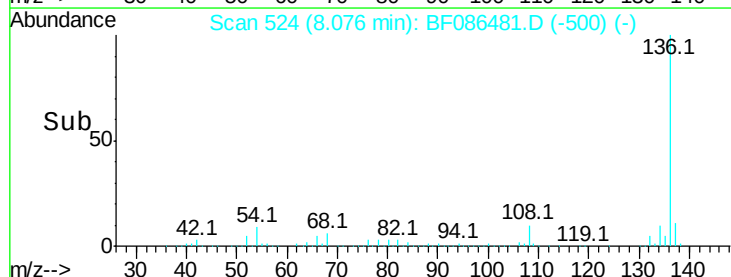
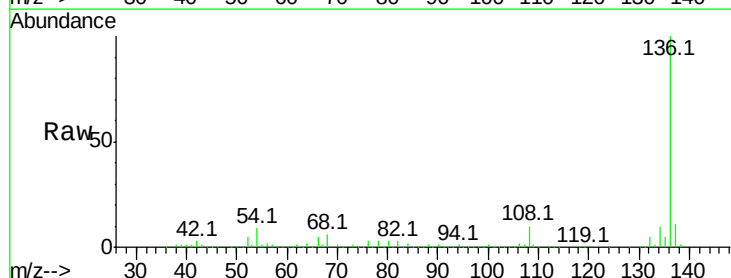
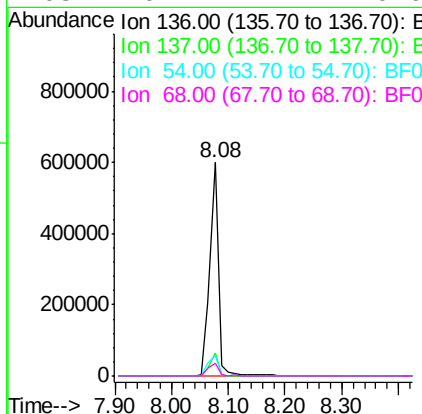
Ion Ratio Lower Upper

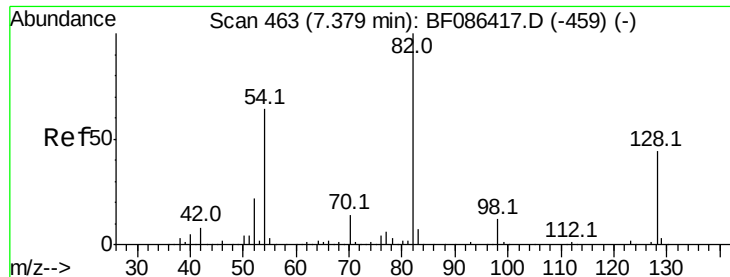
136 100

137 10.7 8.8 13.2

54 9.4 5.0 7.4#

68 6.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 71.74 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

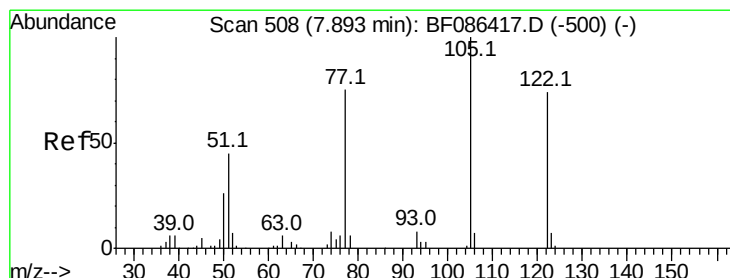
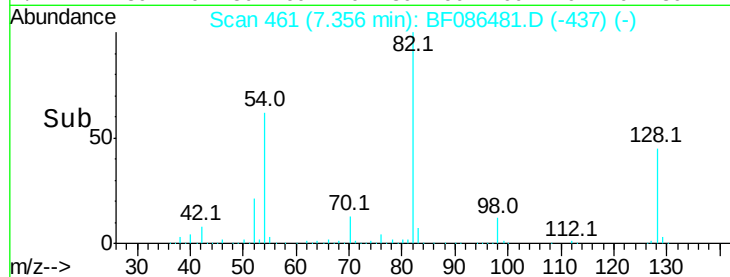
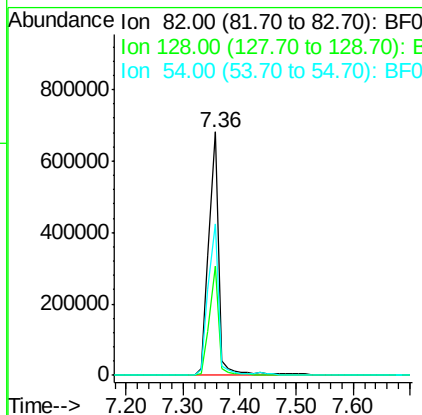
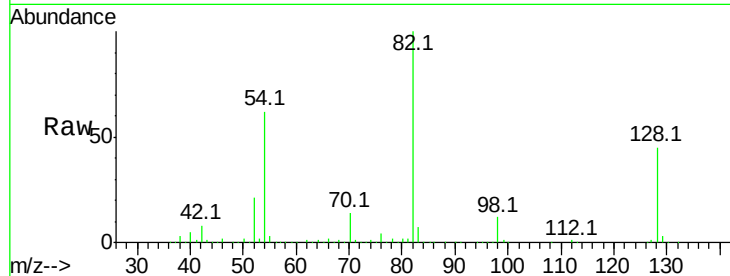
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

Tot Ion	82	Resp	807778
Ion Ratio	Lower	Upper	
82	100		
128	44.8	40.6	61.0
54	62.3	38.1	57.1#

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#32

Benzoic acid

Concen: 9.27 ng

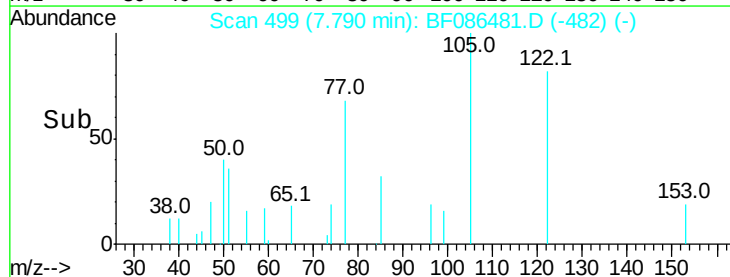
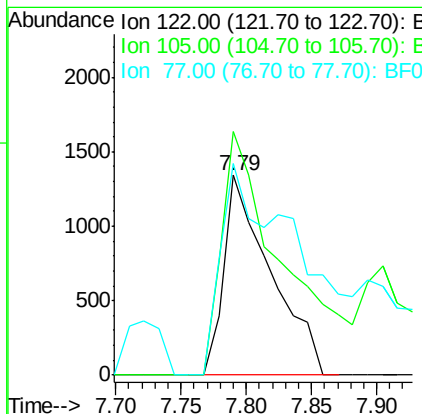
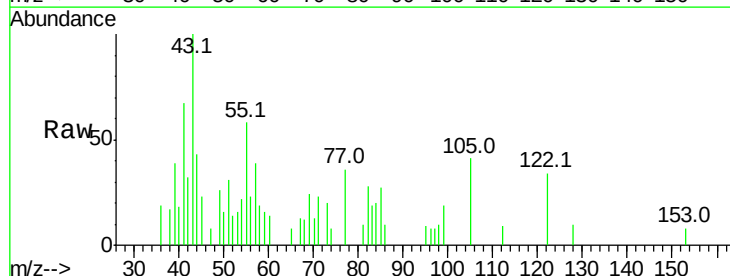
RT: 7.79 min Scan# 499

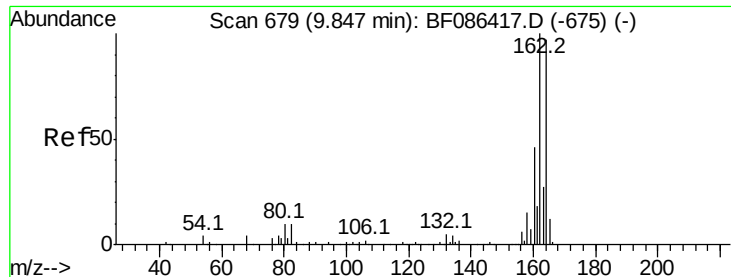
Delta R.T. -0.10 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Tgt Ion	122	Resp	3362
Ion Ratio	Lower	Upper	
122	100		
105	121.7	92.6	132.6
77	106.0	60.0	100.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

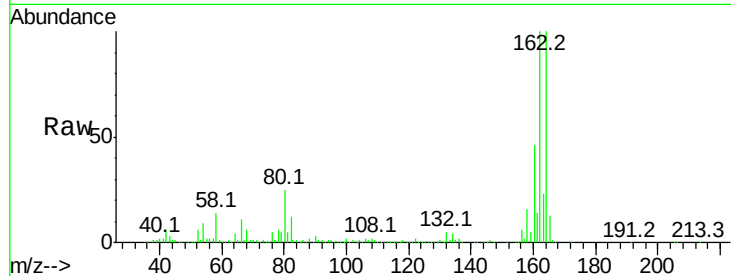
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:	164	Resp:	247198
Ion Ratio	Lower	Upper	
164	100		
162	100.2	82.8	124.2
160	46.4	36.9	55.3

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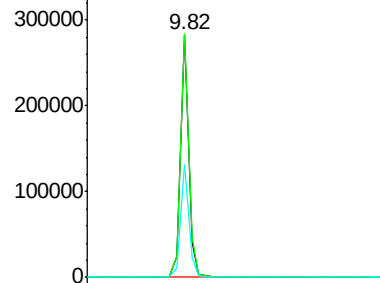
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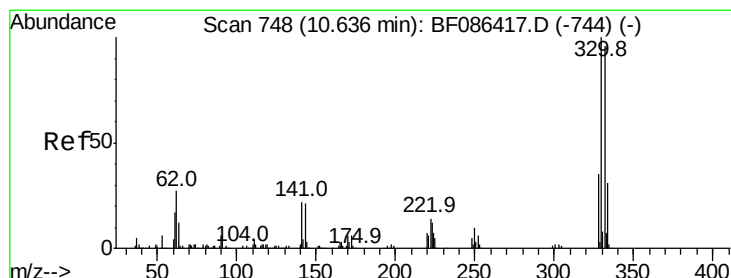
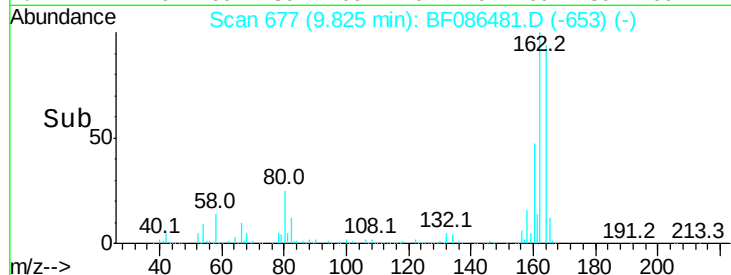
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 82.78 ng

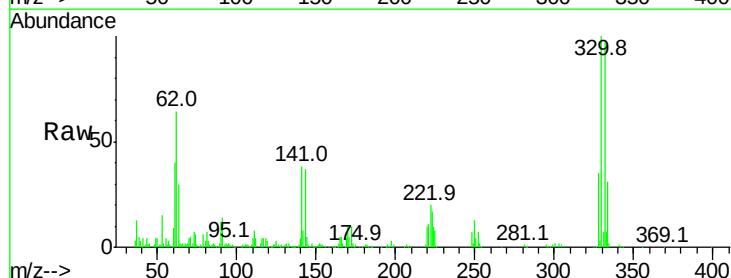
RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

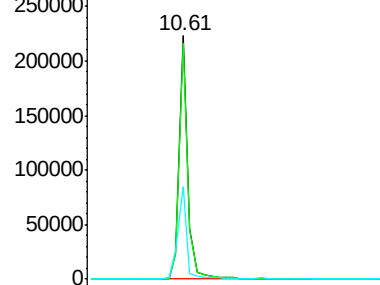
Tgt Ion:	330	Resp:	215791
Ion Ratio	Lower	Upper	
330	100		
332	97.5	79.0	118.4
141	38.5	31.2	46.8



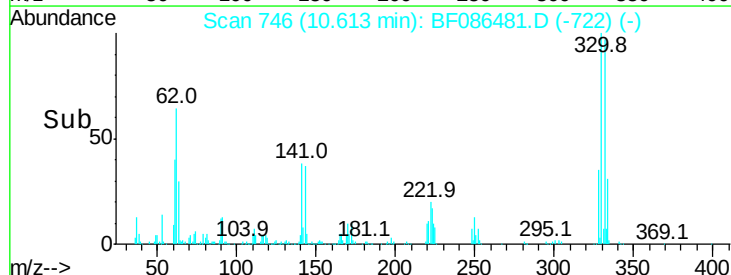
Abundance Ion 329.80 (329.50 to 330.50): E

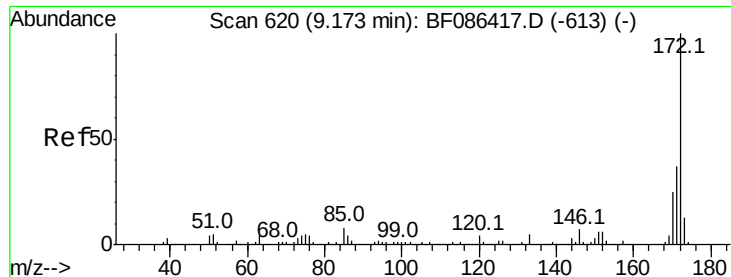
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





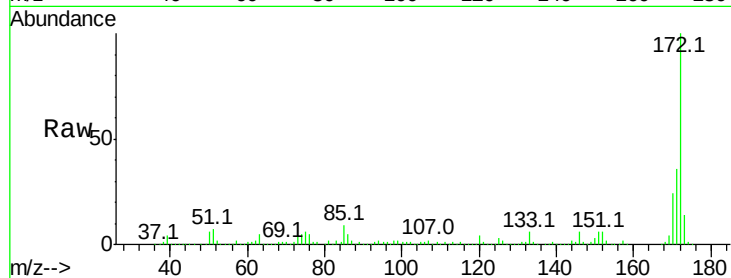
#44
2-Fluorobiphenyl
Concen: 73.50 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.02 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

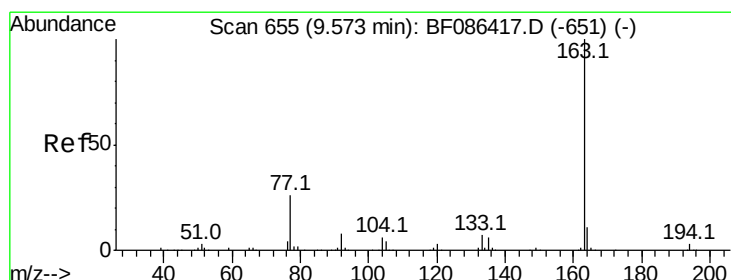
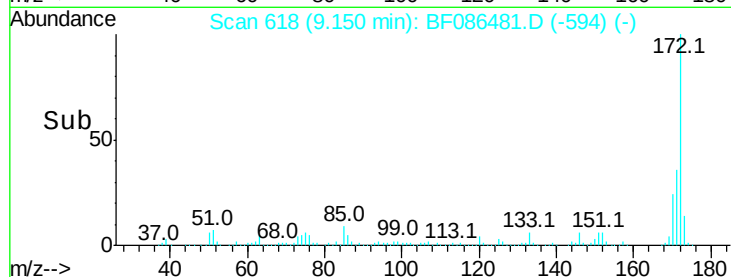
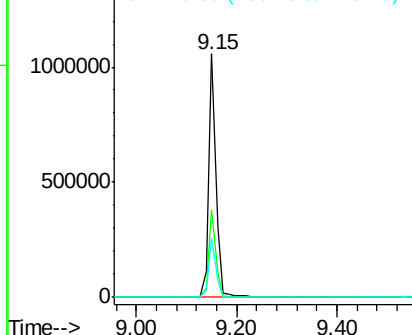
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.4	19.8	29.8

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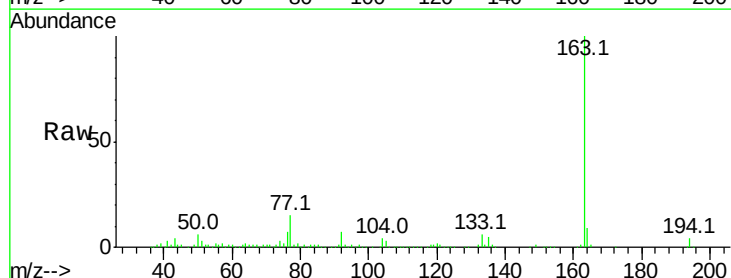


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

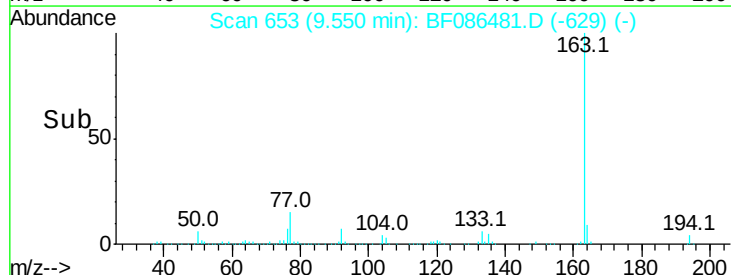
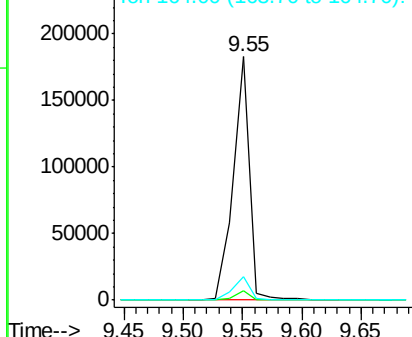


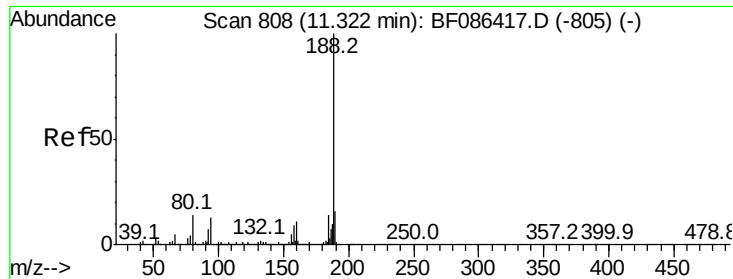
#49
Dimethylphthalate
Concen: 9.31 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.5	8.2	12.4



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





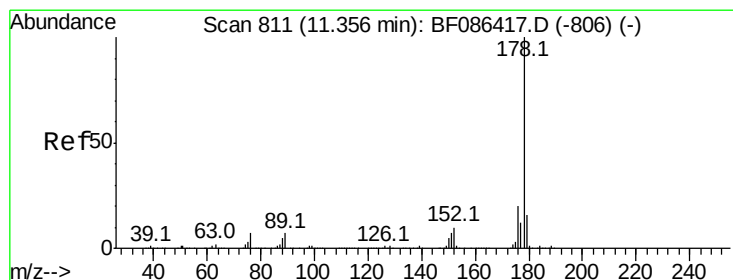
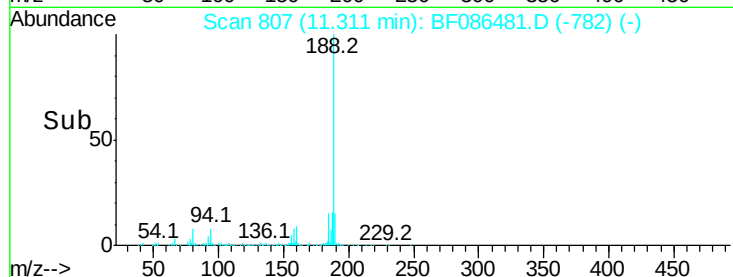
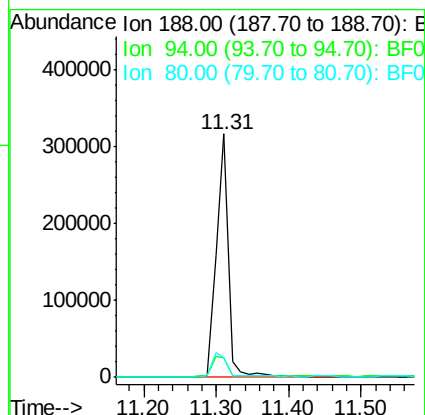
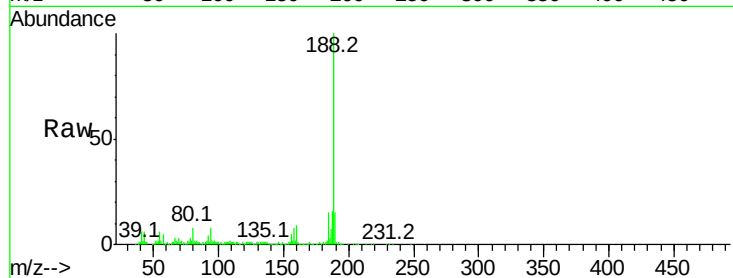
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF086481.D
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	6.8	10.2
80	8.3	7.1	10.7

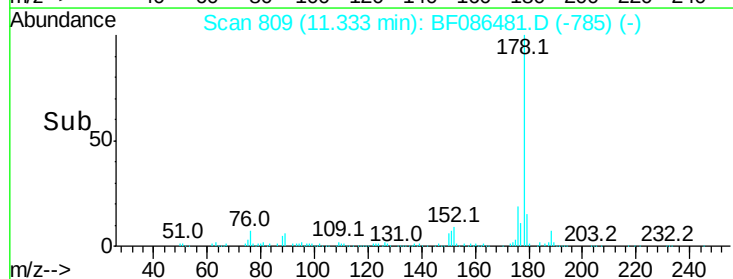
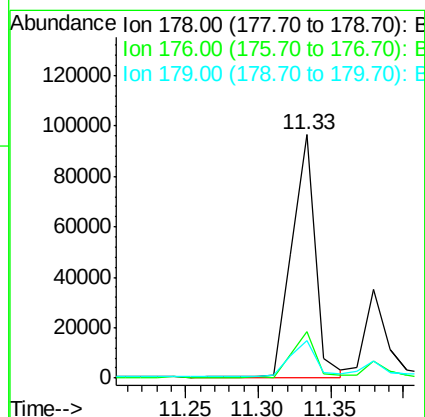
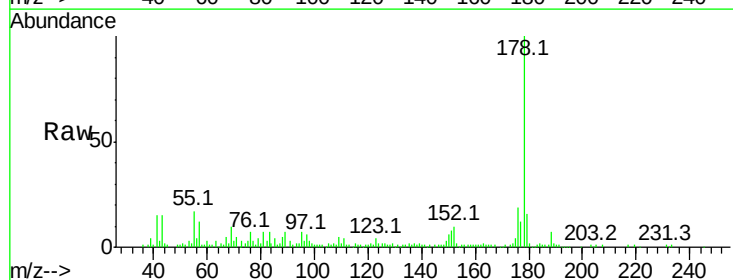
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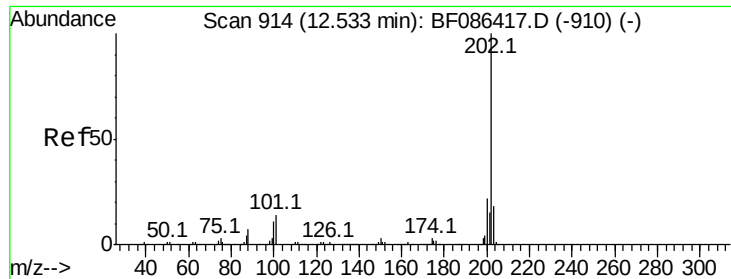
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#70
Phenanthrene
Concen: 5.62 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.6	12.6	18.8





#74

Fluoranthene

Concen: 8.01 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

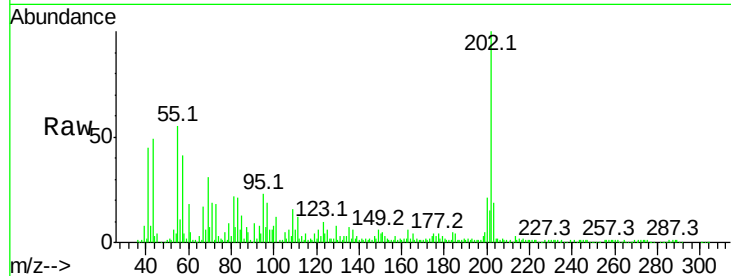
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

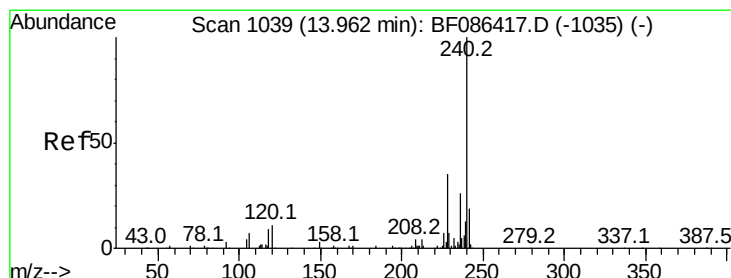
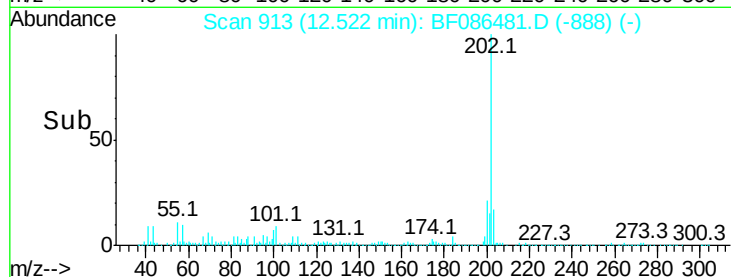
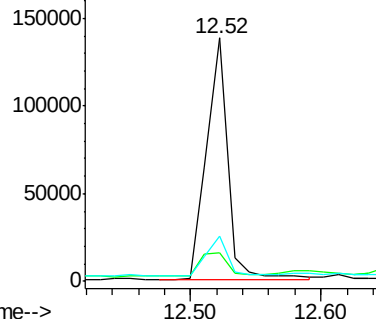
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	35.4
203	18.8	0.0	38.1

Manual Integrations
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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

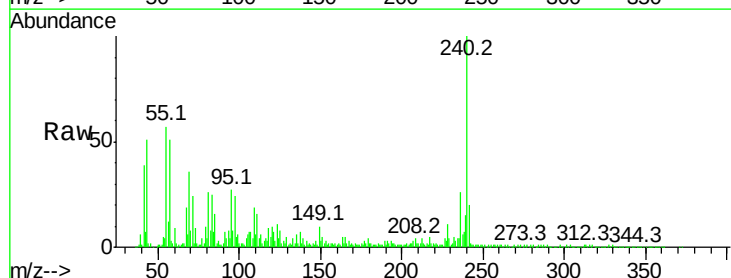
RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

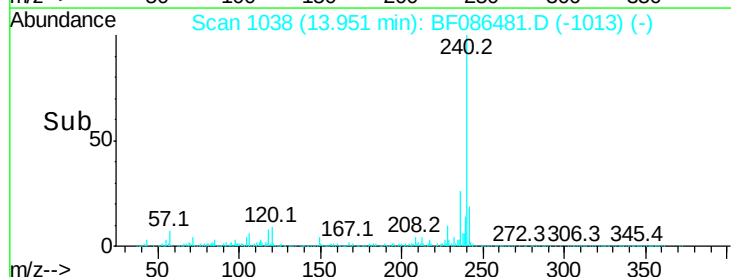
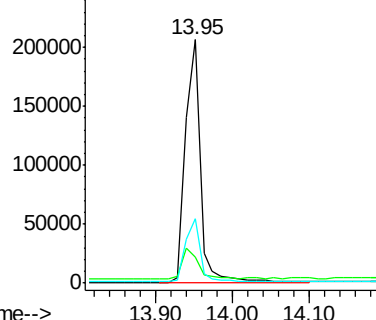
Lab File: BF086481.D

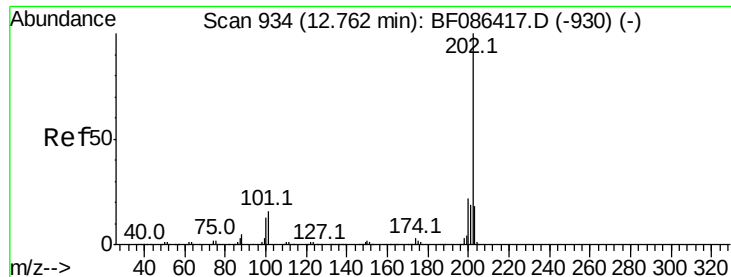
Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	11.2	16.8#
236	26.3	21.2	31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.92 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

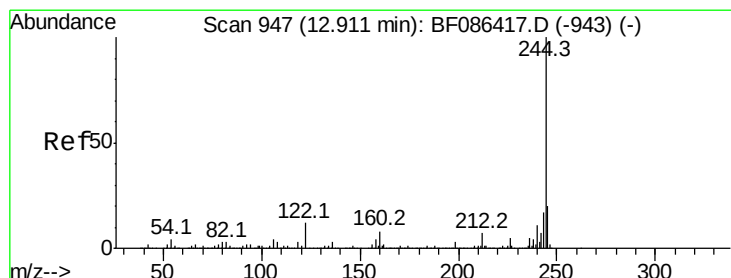
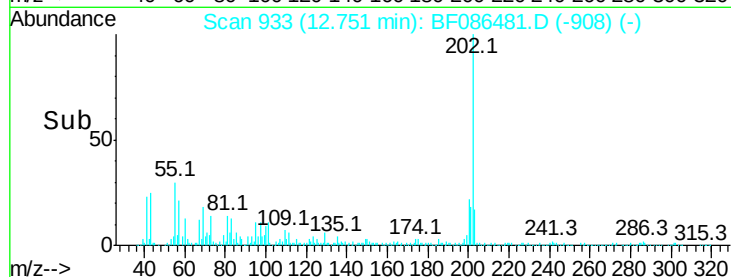
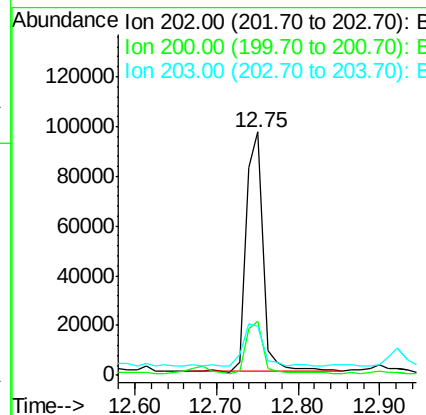
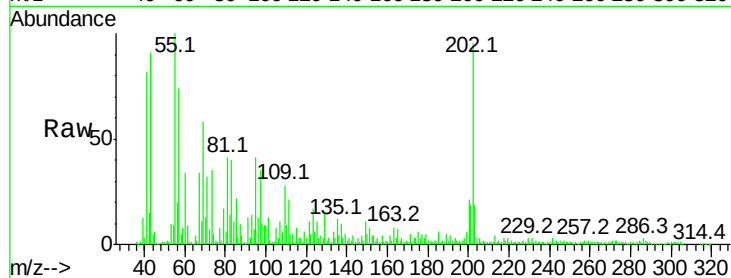
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:	202	Resp:	139066
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.7	26.5
203	20.1	14.2	21.4

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#78

Terphenyl-d14

Concen: 59.02 ng

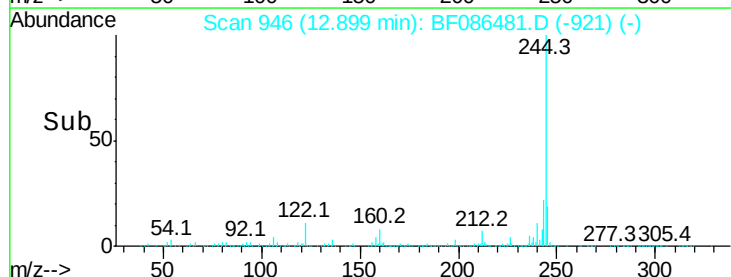
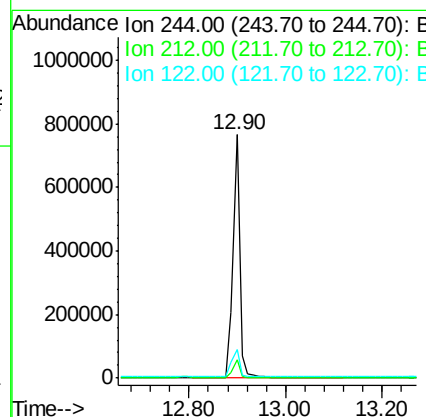
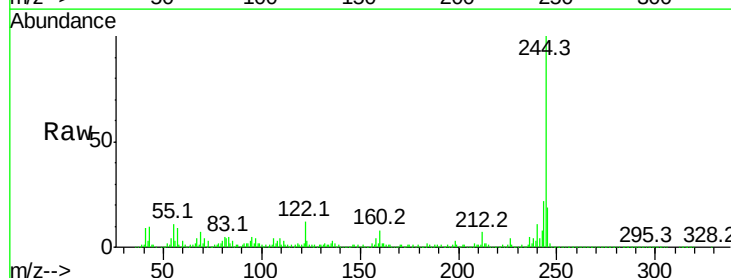
RT: 12.90 min Scan# 946

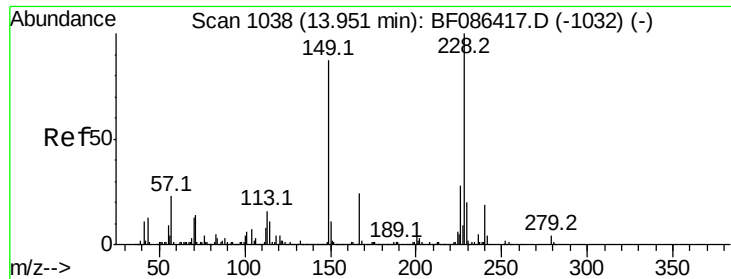
Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Tgt Ion:	244	Resp:	746699
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	11.7	12.0	18.0#





#80

Benzo(a)anthracene

Concen: 5.26 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

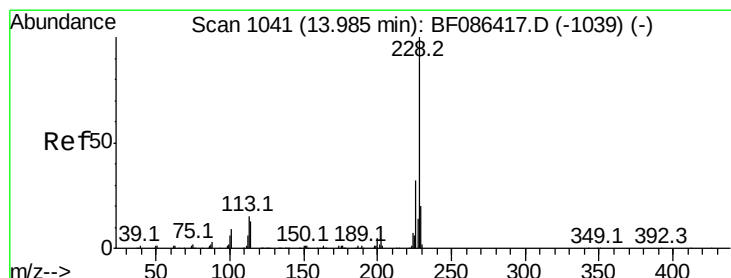
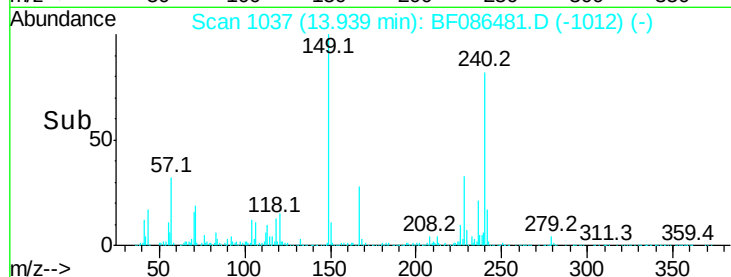
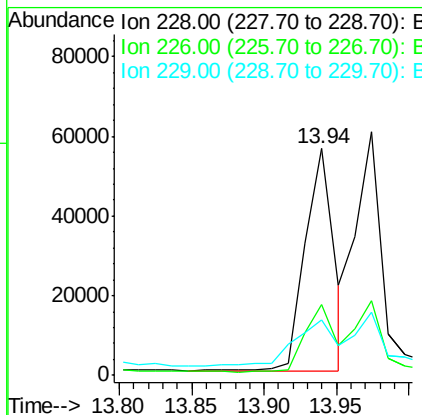
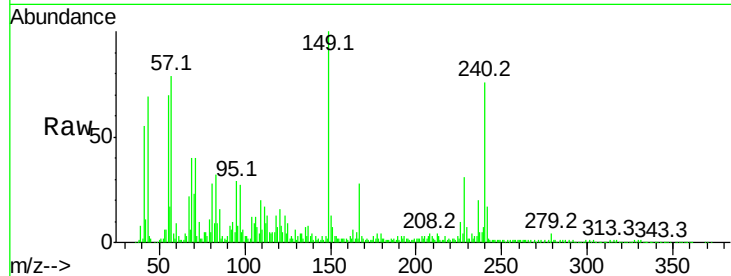
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:	228	Resp:	78105
Ion Ratio	Lower	Upper	
228	100		
226	31.1	22.5	33.7
229	24.2	16.6	25.0

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#82

Chrysene

Concen: 4.84 ng m

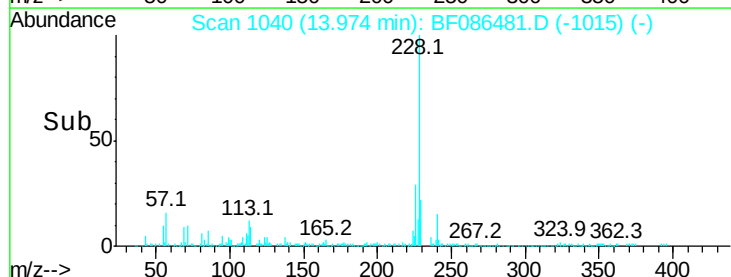
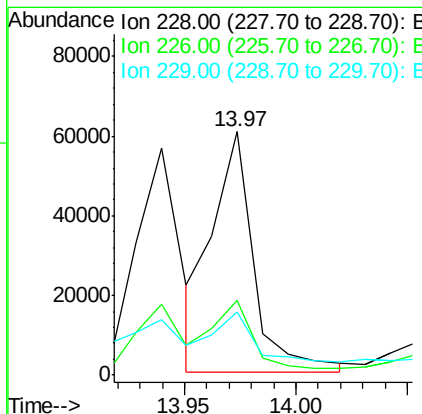
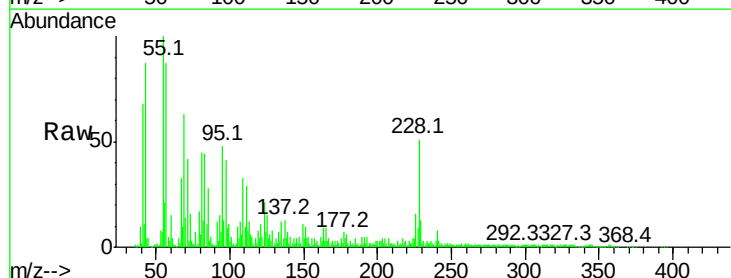
RT: 13.97 min Scan# 1040

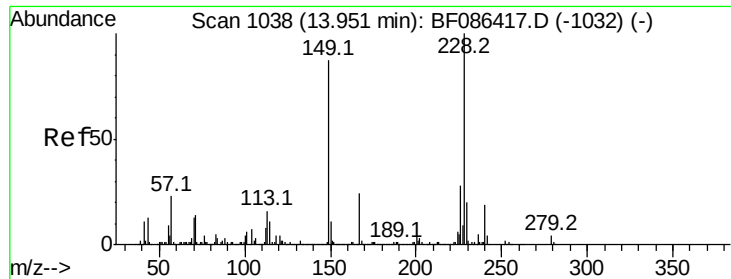
Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Tgt Ion:	228	Resp:	78234
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	25.8	15.8	23.8#





#83

Bis(2-ethylhexyl)phthalate

Concen: 14.26 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

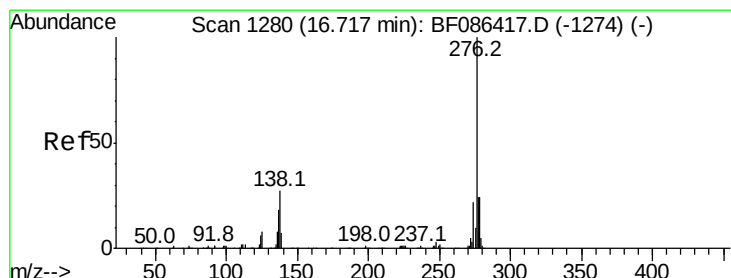
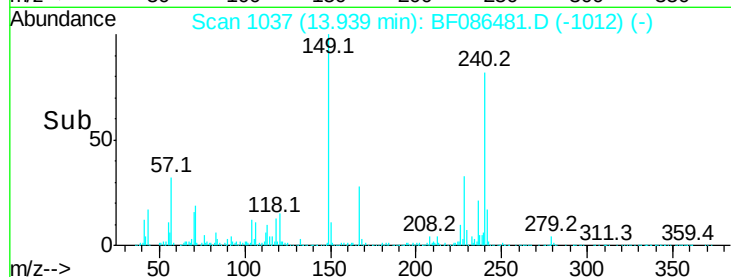
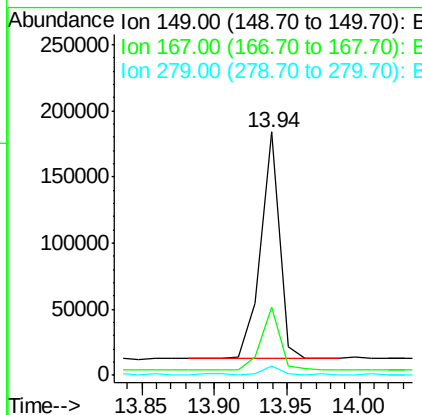
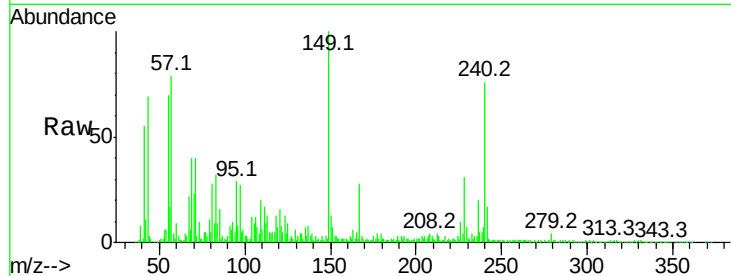
ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:	149	Resp:	153958
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.8	32.6
279	3.9	2.6	4.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.56 ng

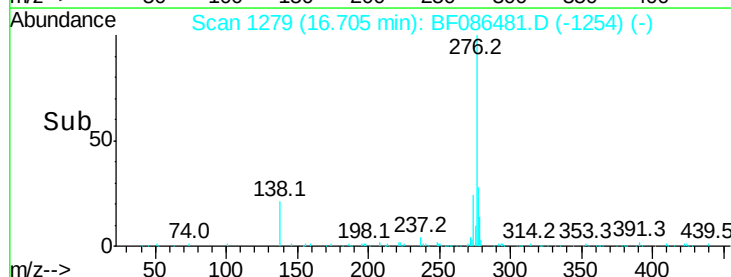
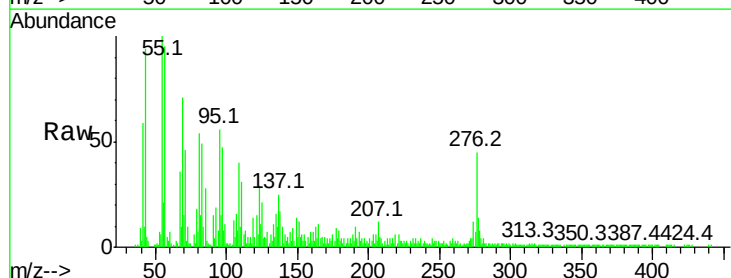
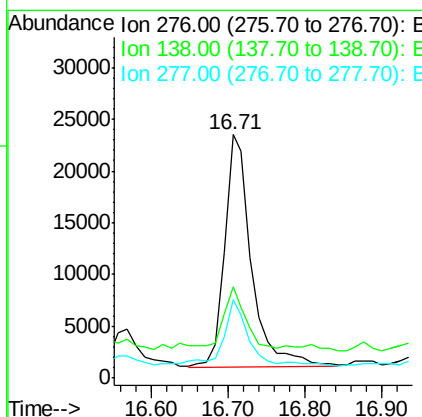
RT: 16.71 min Scan# 1279

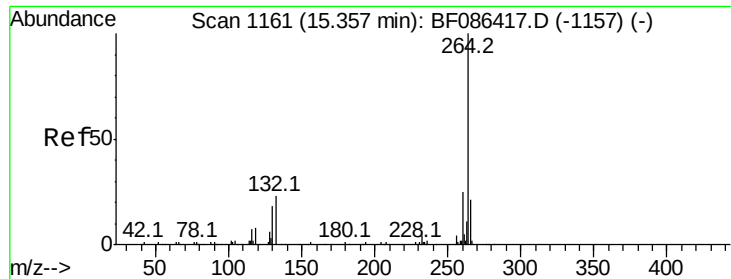
Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Tgt Ion:	276	Resp:	54616
Ion Ratio	Lower	Upper	
276	100		
138	21.3	25.6	38.4#
277	28.1	20.5	30.7





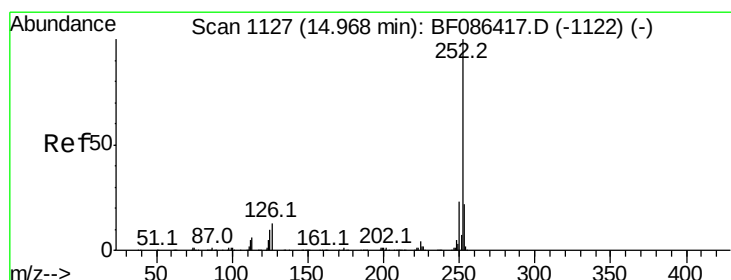
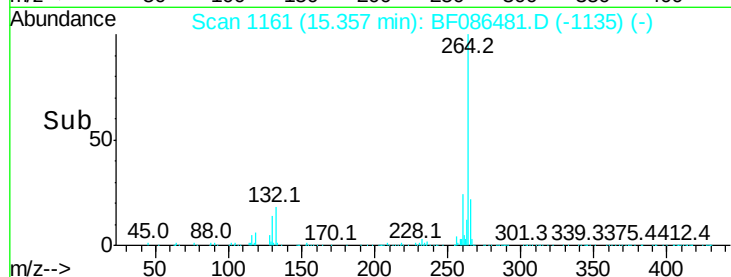
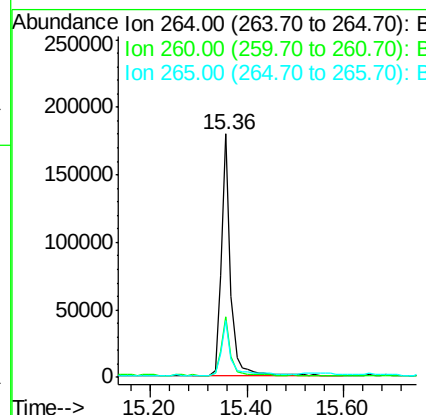
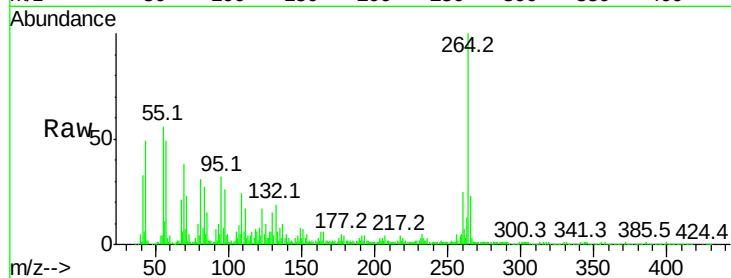
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.9	19.5	29.3	
265	23.1	17.3	25.9	

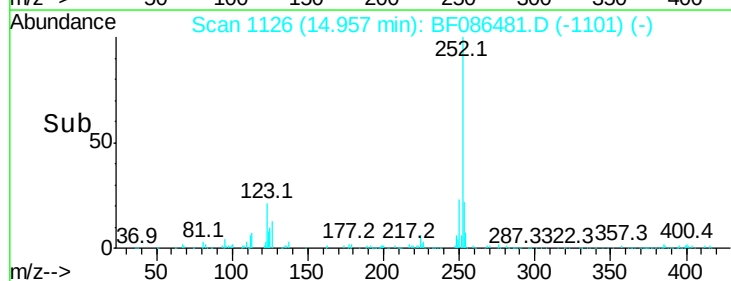
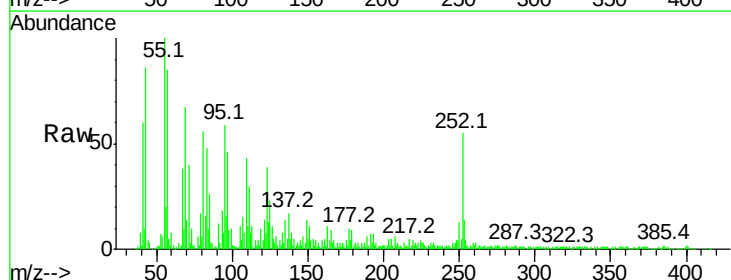
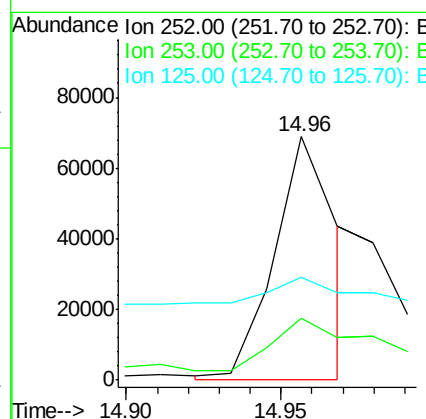
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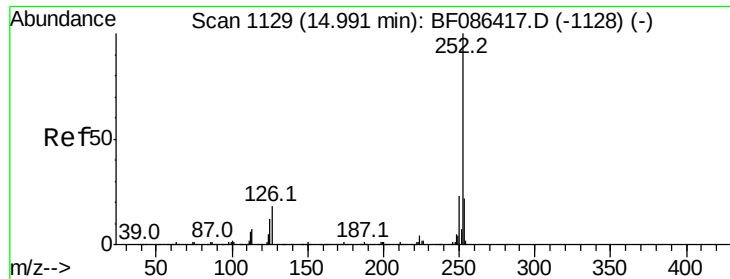
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#87
Benzo(b)fluoranthene
Concen: 6.60 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.3	17.8	26.6	
125	42.0	11.4	17.0	





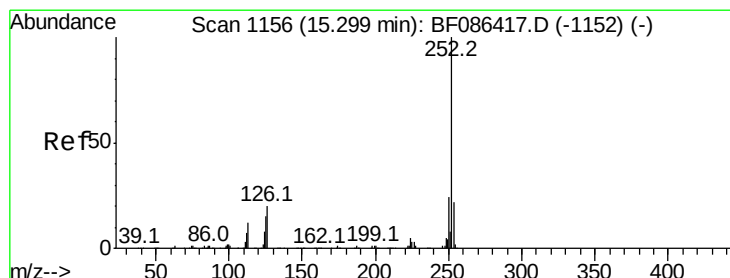
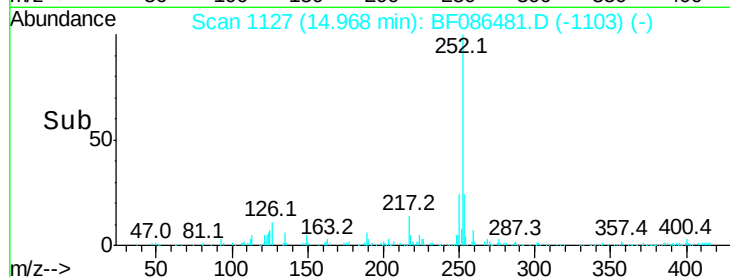
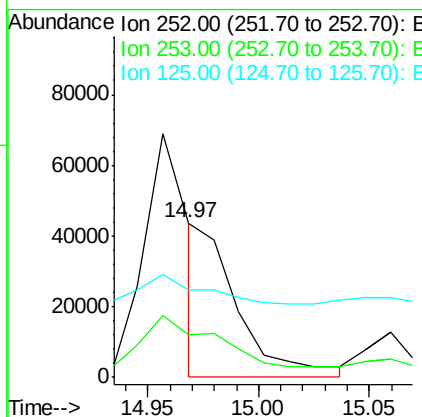
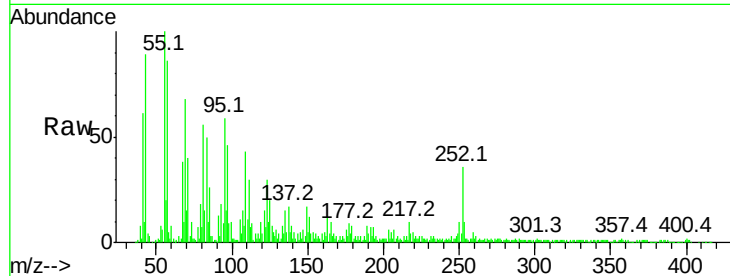
#88
Benzo(k)fluoranthene
Concen: 3.36 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.8	26.6#
125	56.5	9.1	13.7#

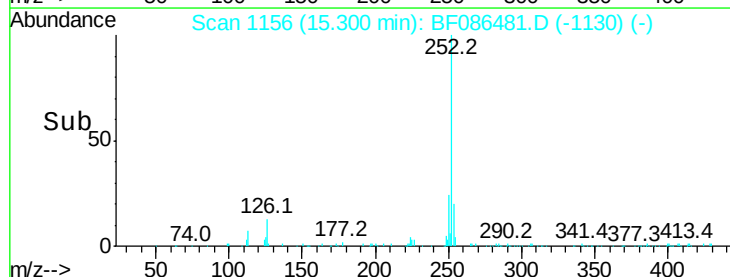
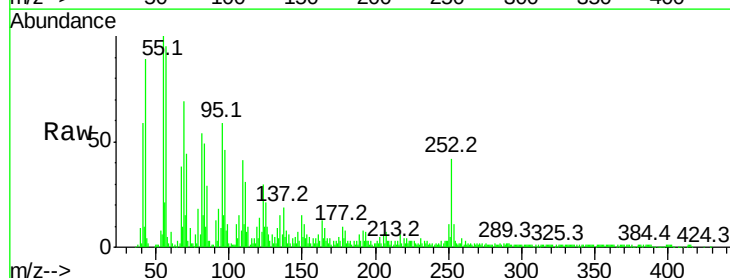
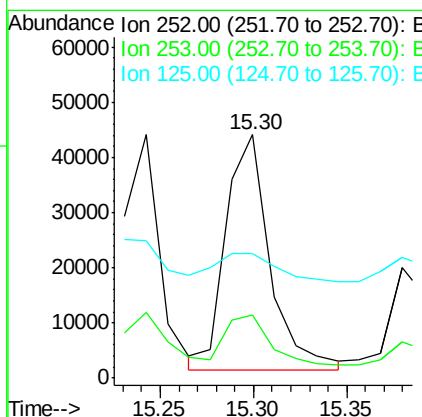
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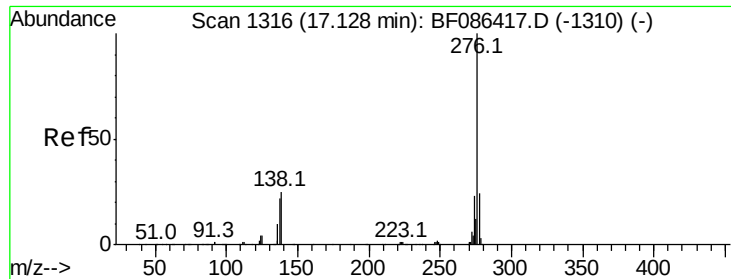
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#89
Benzo(a)pyrene
Concen: 5.14 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8#
125	51.2	9.0	13.6#





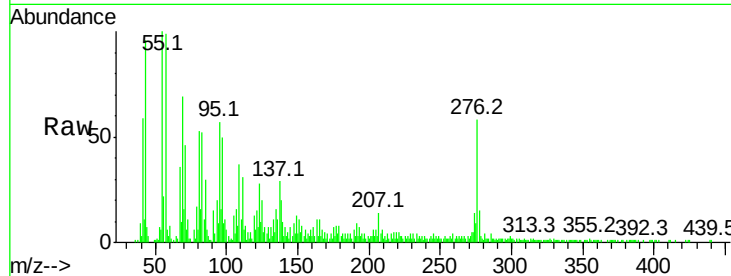
#91
 Benzo(a,h,i)perylene
 Concen: 4.96 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-7(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.6	29.4
138	34.4	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

