

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
 Data File : BF086698.D
 Acq On : 5 May 2016 1:25
 Operator : UM/SJ
 Sample : H2715-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

Manual Integrations
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Quant Time: May 05 05:02:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	160794	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	560221	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	220926	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	319840m	40.00	ng	0.00
75) Chrysene-d12	13.88	240	322044	40.00	ng	0.00
86) Perylene-d12	15.28	264	245037	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1298901	133.73	ng	0.01
7) Phenol-d6	6.38	99	1493009	114.11	ng	0.01
23) Nitrobenzene-d5	7.31	82	1141456	104.70	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	273672	126.63	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1274801	94.59	ng	0.00
78) Terphenyl-d14	12.84	244	837366	52.55	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.49	163	178450	10.84	ng	99
70) Phenanthrene	11.28	178	40670	2.37	ng	99
74) Fluoranthene	12.47	202	81403	4.73	ng	93
77) Pyrene	12.69	202	77476	3.02	ng	97
80) Benzo(a)anthracene	13.88	228	49362m	2.71	ng	
82) Chrysene	13.92	228	39854m	2.05	ng	
87) Benzo(b)fluoranthene	14.89	252	42082m	2.86	ng	

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

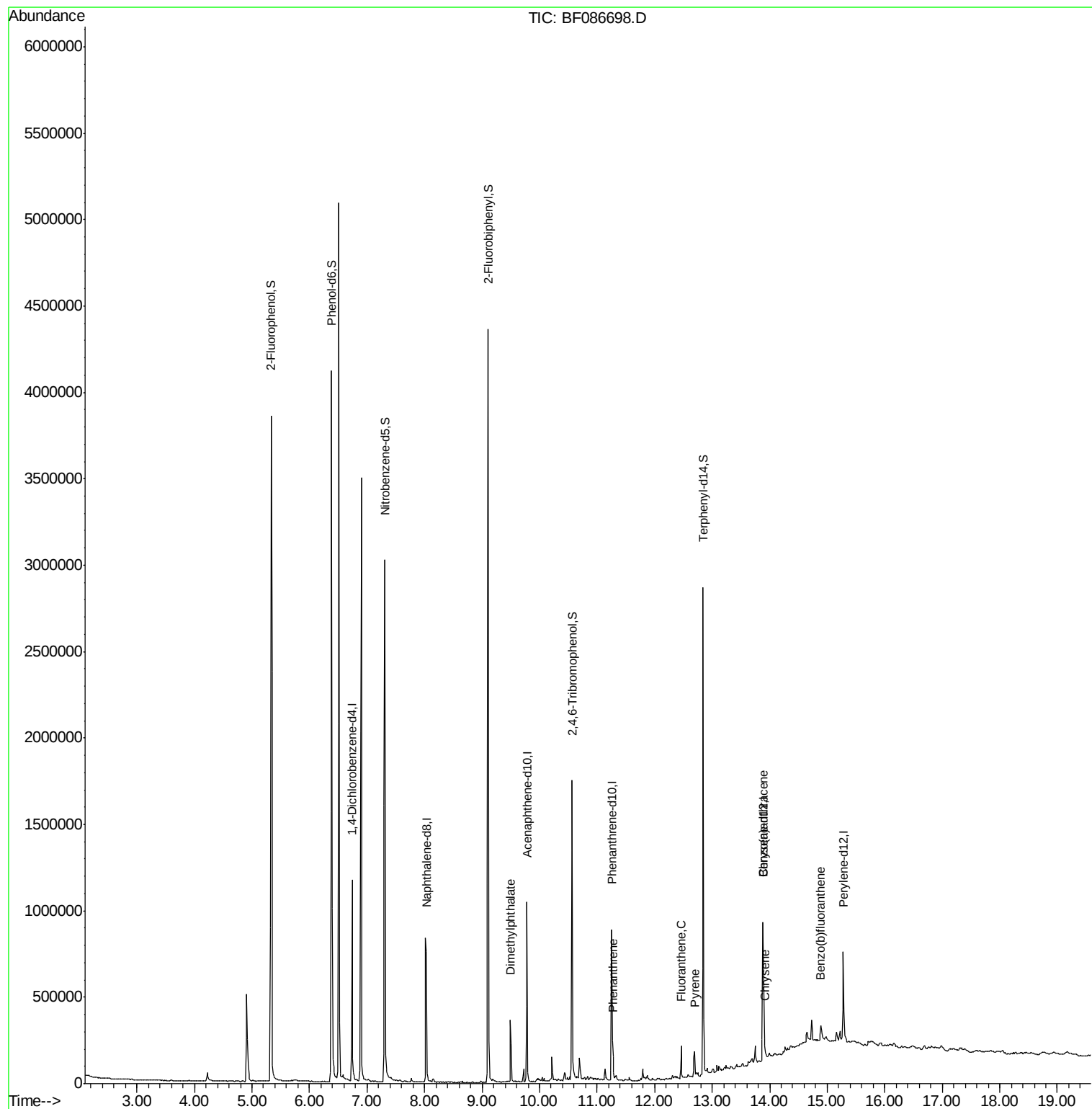
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050416\
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Acq On : 5 May 2016 1:25
Operator : UM/SJ
Sample : H2715-16
Misc :
ALS Vial : 20 Sample Multiplier: 1

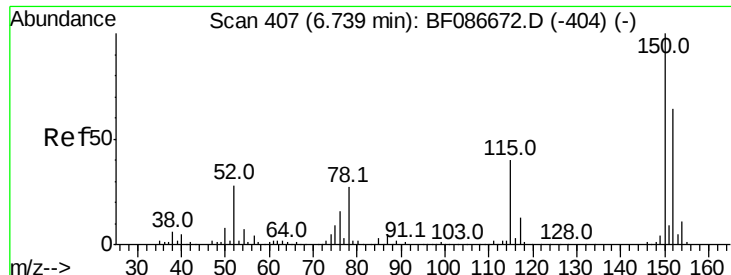
Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

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#1

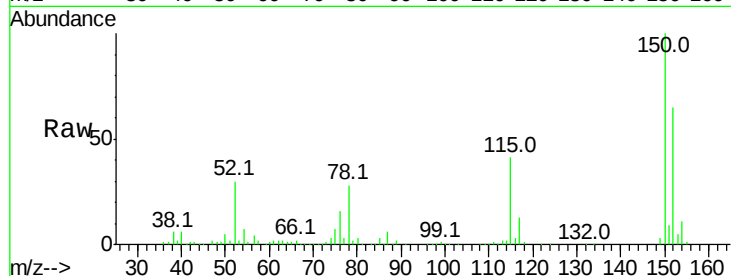
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.8	188.6
115	63.0	51.5	77.3

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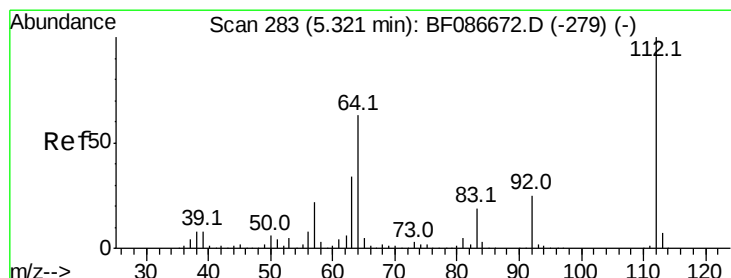
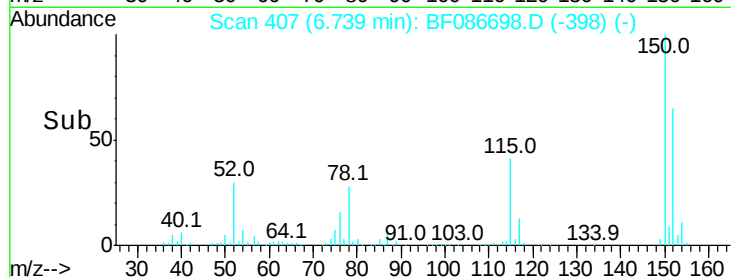
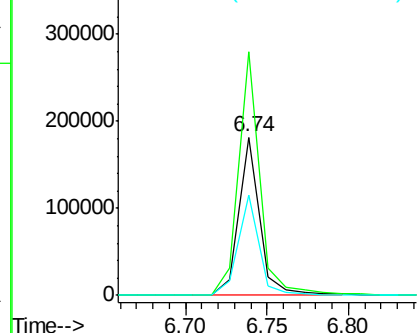


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

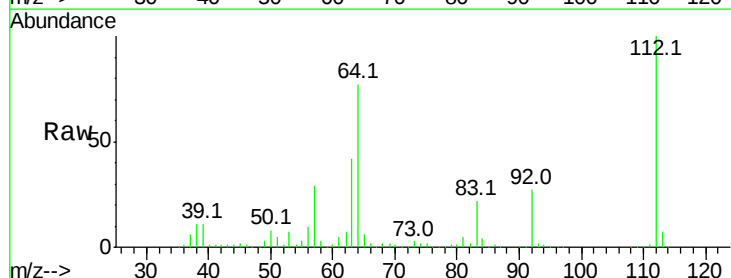
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 133.73 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.1	52.1	78.1
63	41.8	25.7	38.5

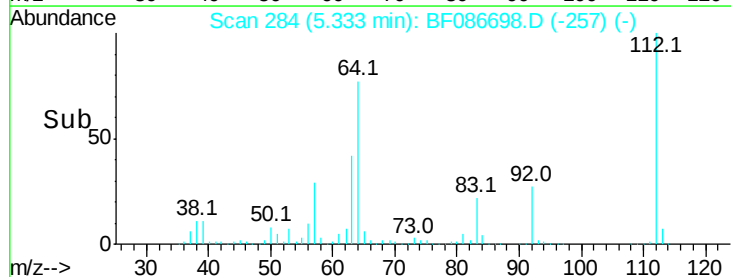
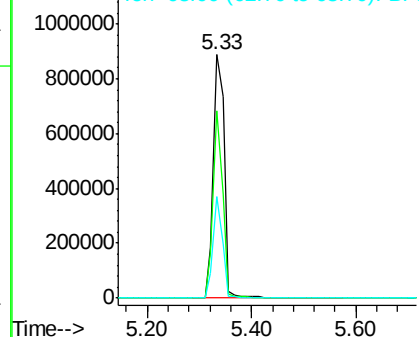


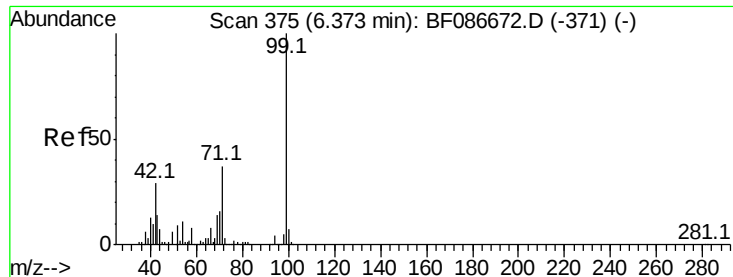
Abundance

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: 114.11 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

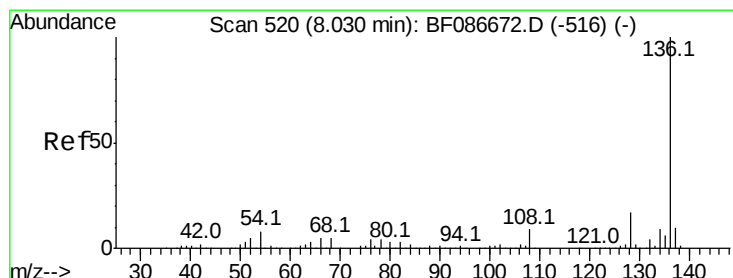
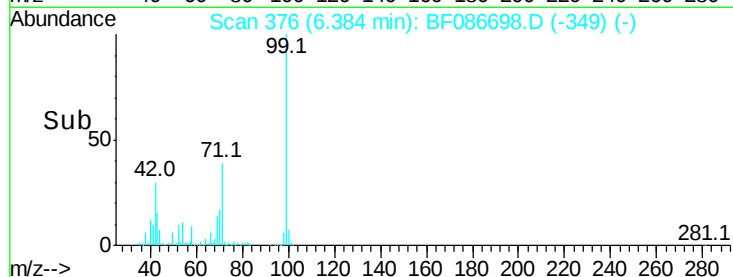
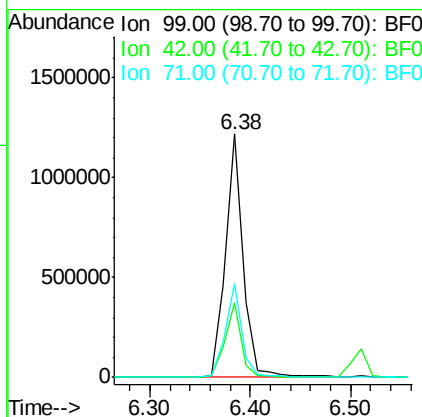
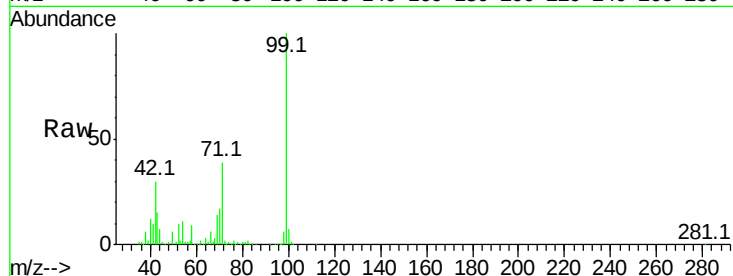
ClientSampleId :

26WARD-3-CS-5(12-25FTBGS)

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Tot Ion	99	Resp	1493009
Ion	Ratio	Lower	Upper
99	100		
42	30.4	13.6	20.4#
71	38.8	24.6	36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

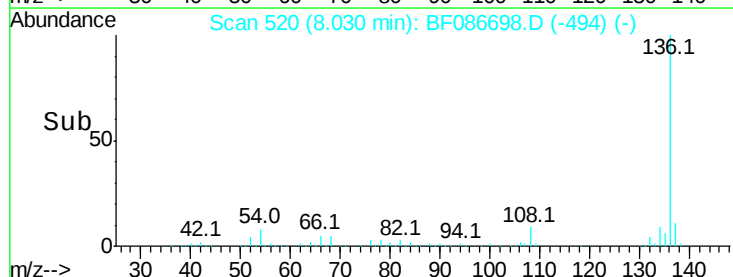
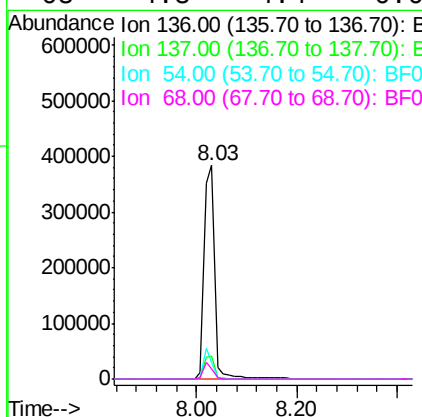
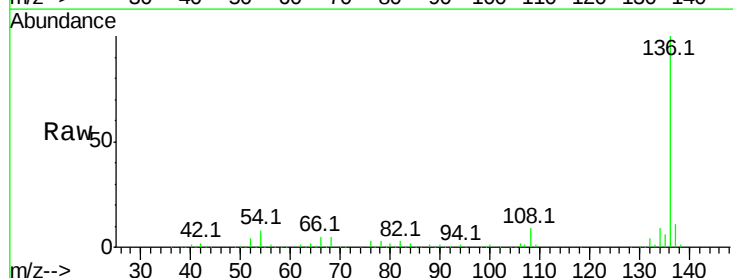
RT: 8.03 min Scan# 520

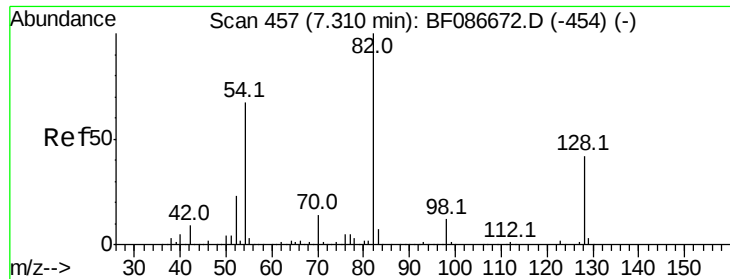
Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Tgt Ion	136	Resp	560221
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.7	5.0	7.4#
68	4.8	4.4	6.6





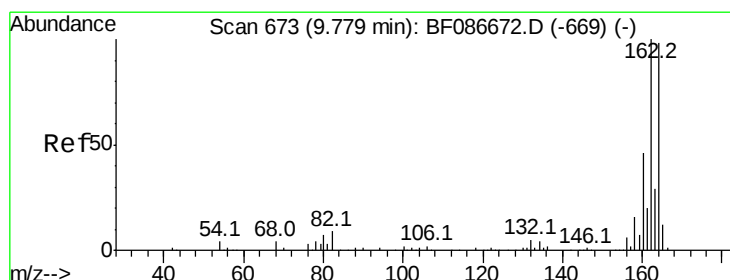
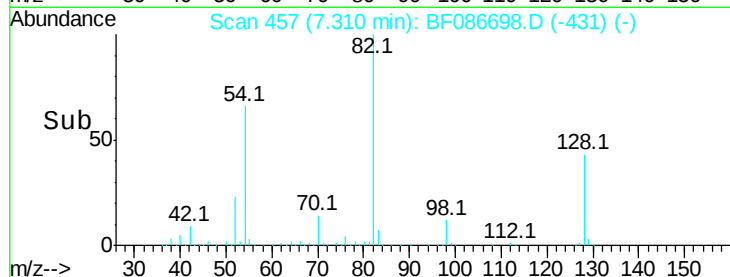
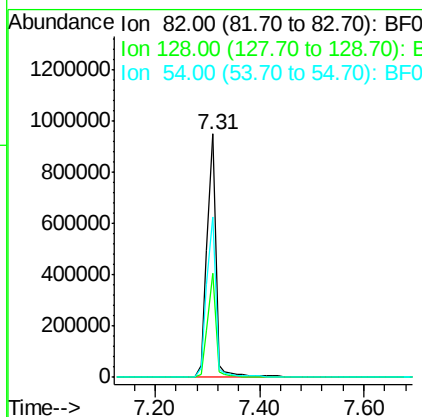
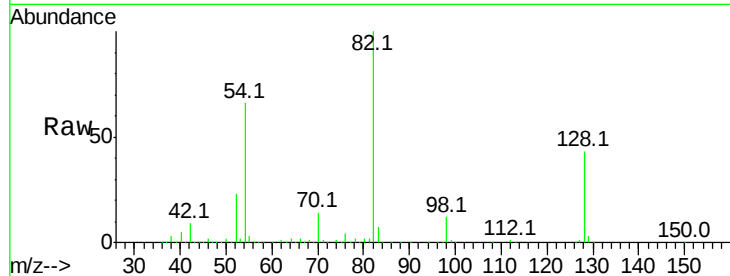
#23
Nitrobenzene-d5
Concen: 104.70 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
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Tot Ion: 82 Resp: 1141456
Ion Ratio Lower Upper
82 100
128 42.8 40.6 61.0
54 65.9 38.1 57.1#

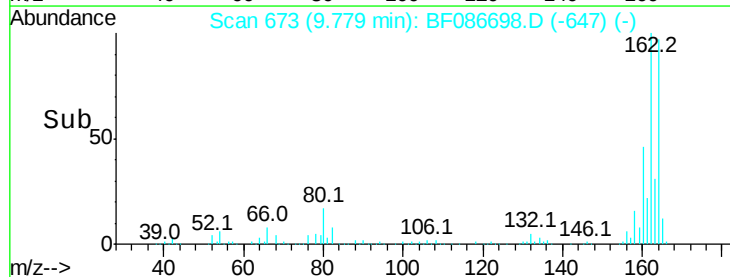
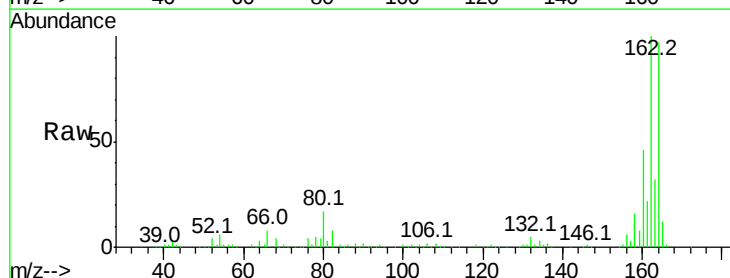
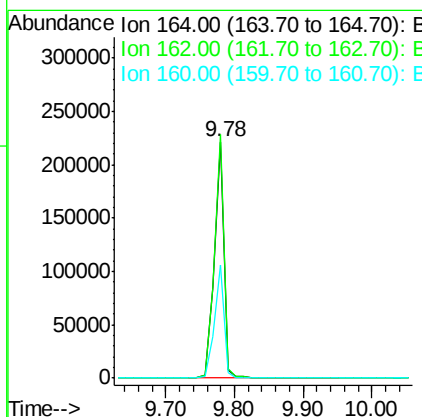
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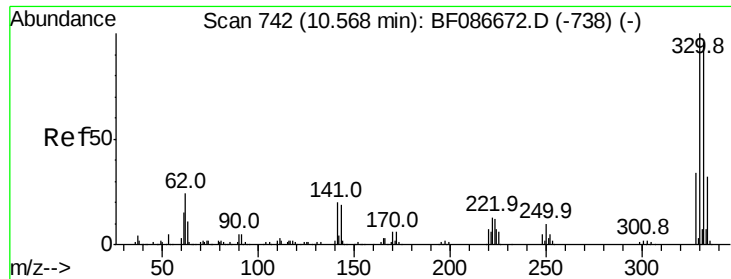
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#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion: 164 Resp: 220926
Ion Ratio Lower Upper
164 100
162 103.1 82.8 124.2
160 47.6 36.9 55.3





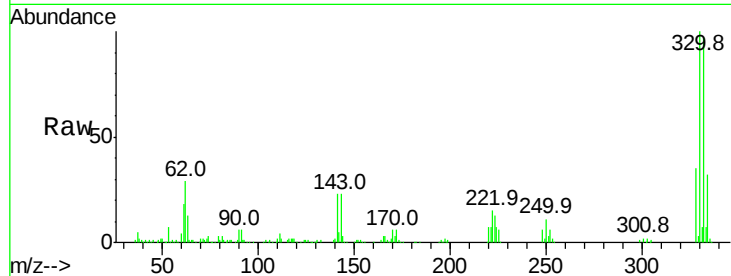
#41
 2,4,6-Tribromophenol
 Concen: 126.63 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

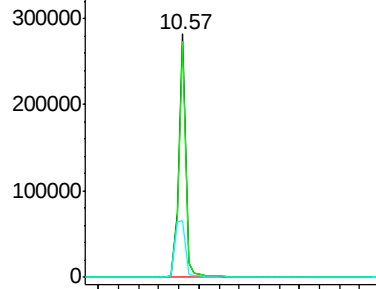
Tot Ion	Ratio	Resp	Lower	Upper
330	100	273672		
332	95.8	79.0	118.4	
141	35.8	31.2	46.8	

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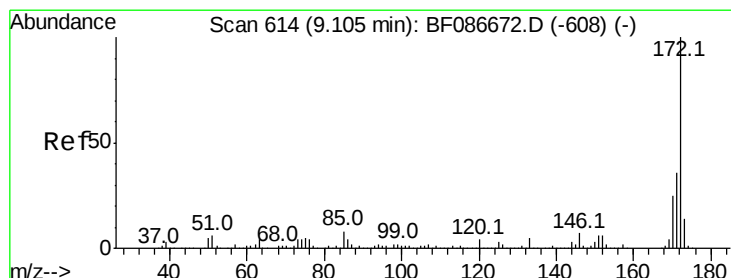
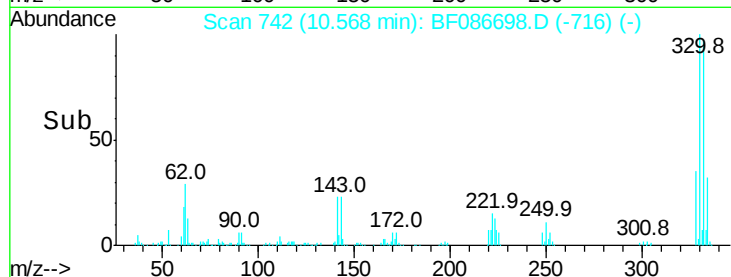
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Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

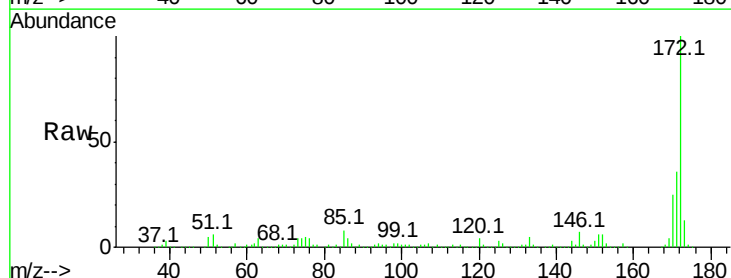


Time--> 10.40 10.60 10.80

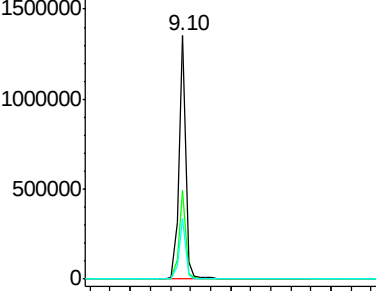


#44
 2-Fluorobiphenyl
 Concen: 94.59 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

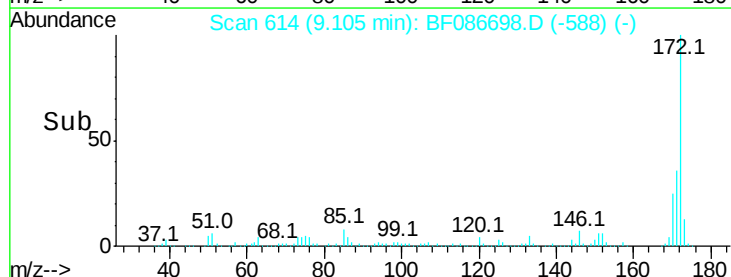
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1274801		
171	36.4	29.0	43.6	
170	24.9	19.8	29.8	

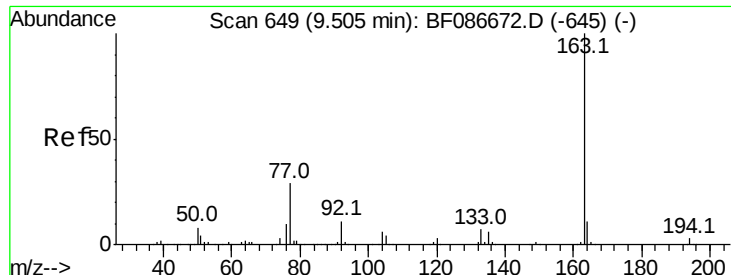


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time--> 9.00 9.20 9.40





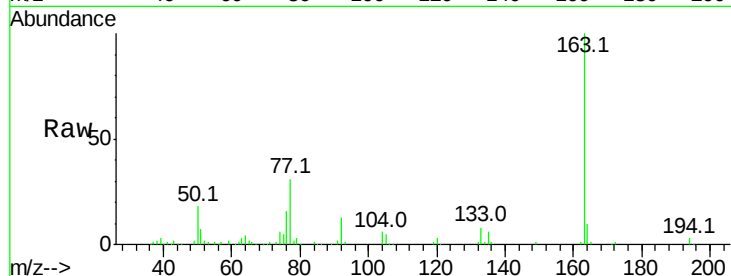
#49
Dimethylphthalate
Concen: 10.84 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
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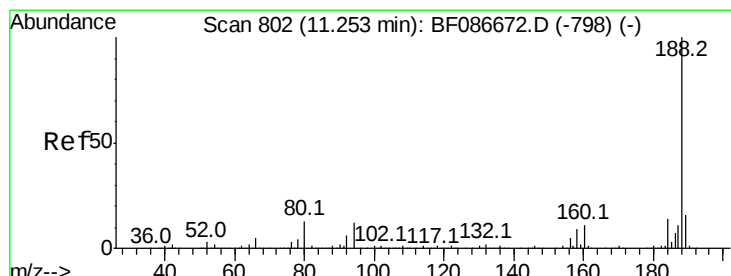
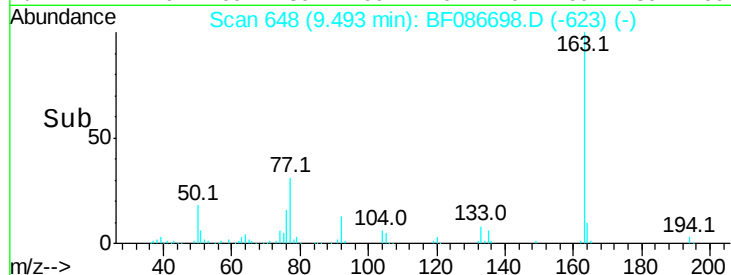
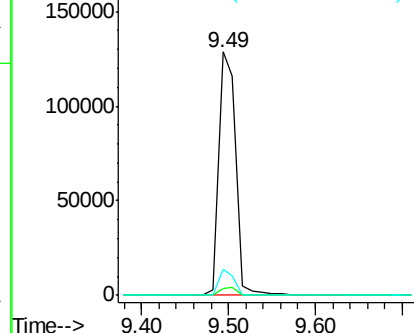
Tot Ion	Ratio	Resp	Lower	Upper
163	100	178450		
194	2.8		2.6	4.0
164	10.5		8.2	12.4

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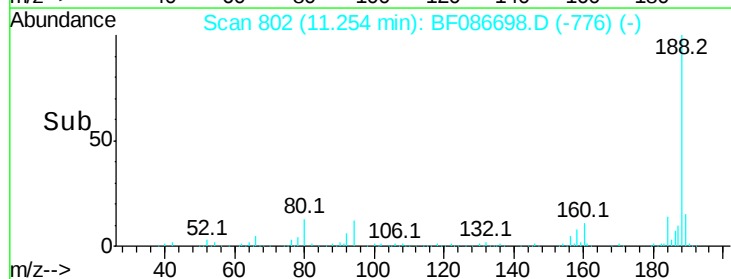
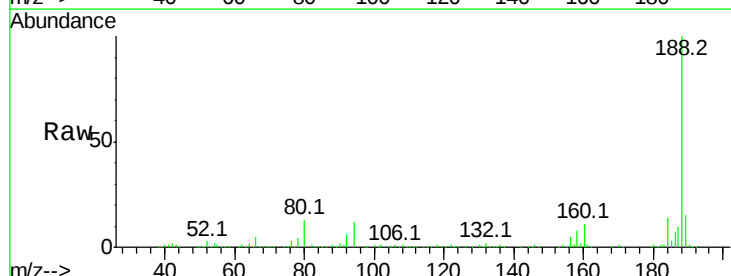
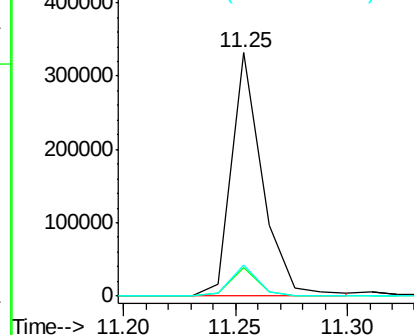
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

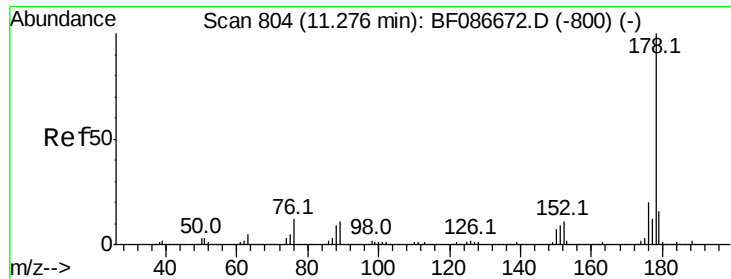


#63
Phenanthrene-d10
Concen: 40.00 ng m
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	319840		
94	11.6		6.8	10.2#
80	12.7		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: 2.37 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 40670

Ion Ratio Lower Upper

178 100

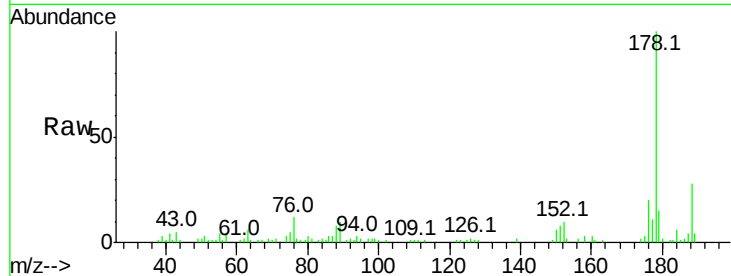
176 19.7 16.0 24.0

179 15.3 12.6 18.8

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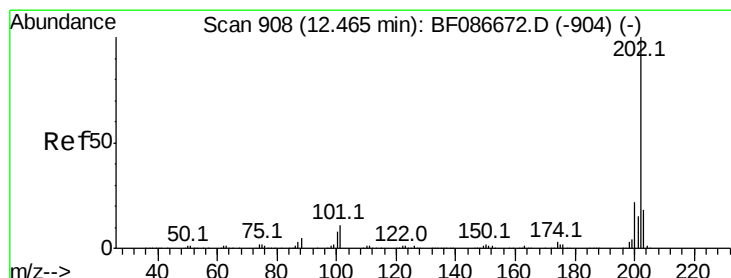
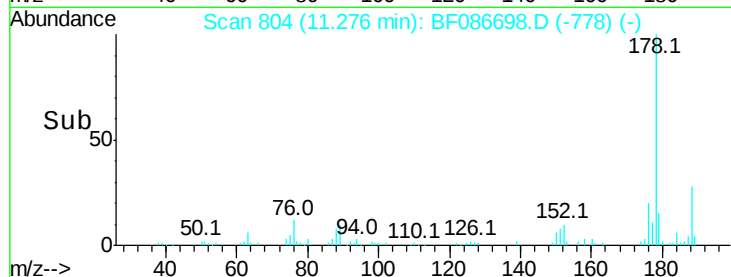
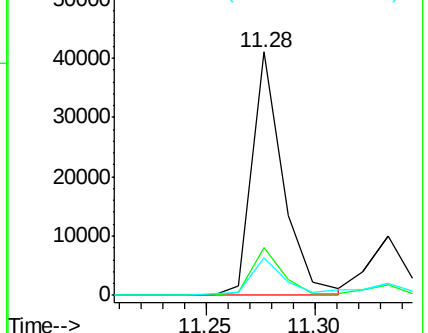
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.73 ng

RT: 12.47 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

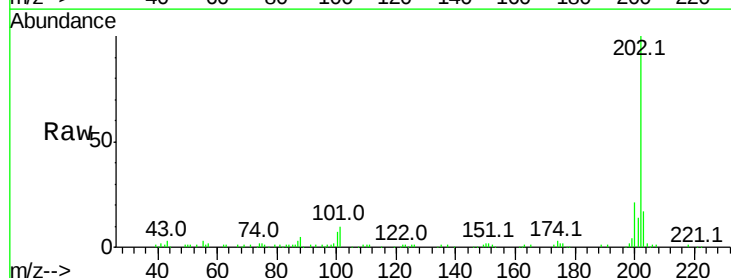
Tgt Ion:202 Resp: 81403

Ion Ratio Lower Upper

202 100

101 10.4 0.0 35.4

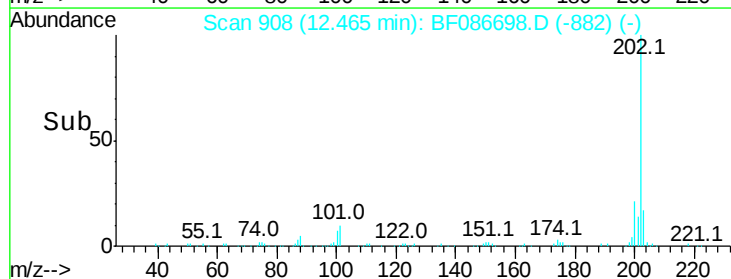
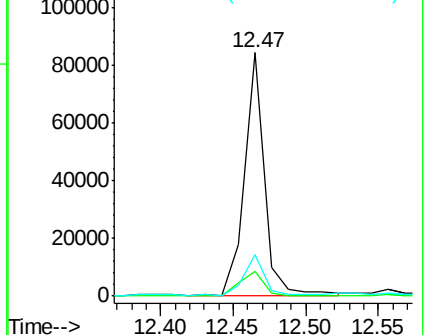
203 17.2 0.0 38.1

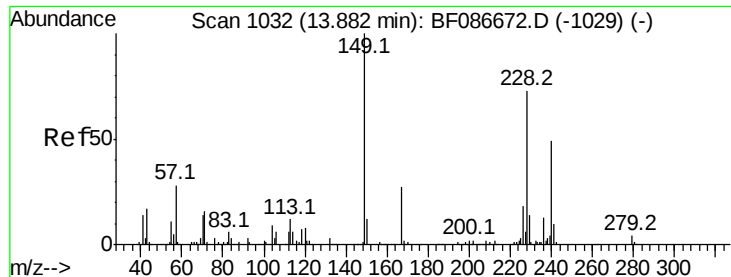


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

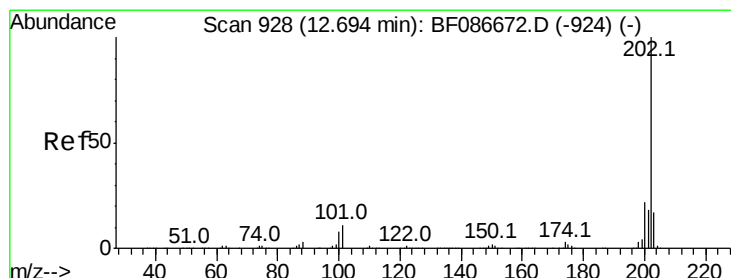
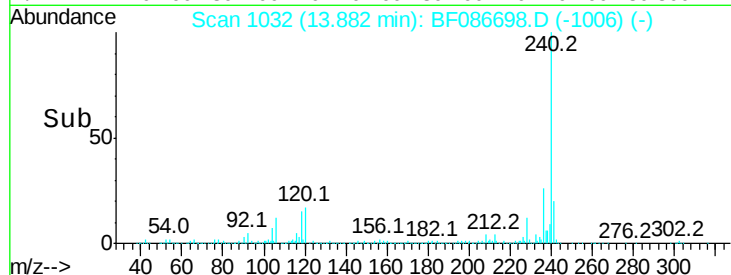
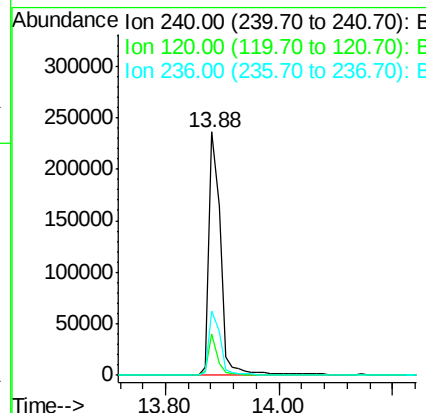
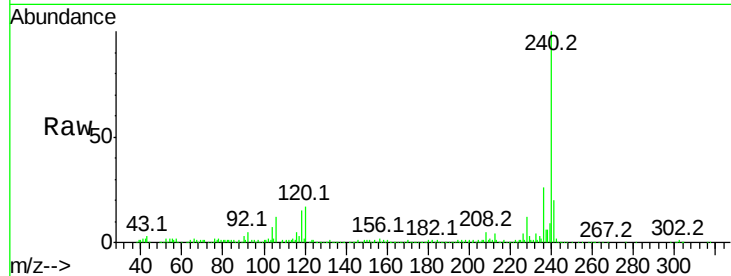
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	17.0	11.2	16.8#
236	26.3	21.2	31.8

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#77

Pyrene

Concen: 3.02 ng

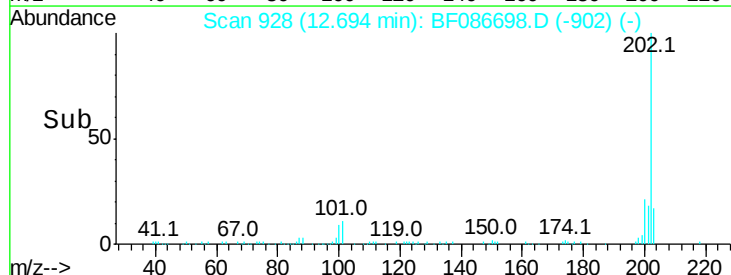
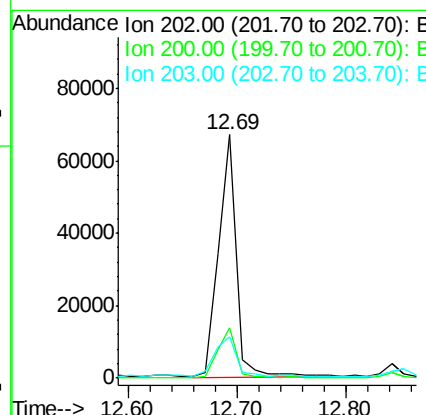
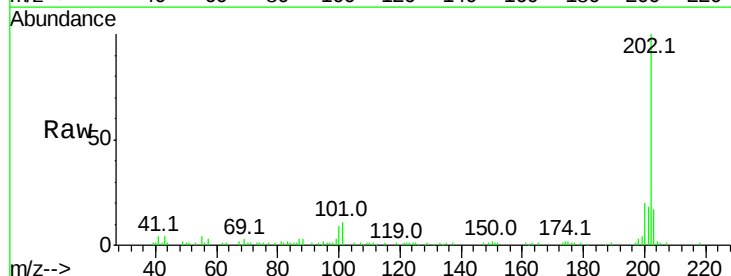
RT: 12.69 min Scan# 928

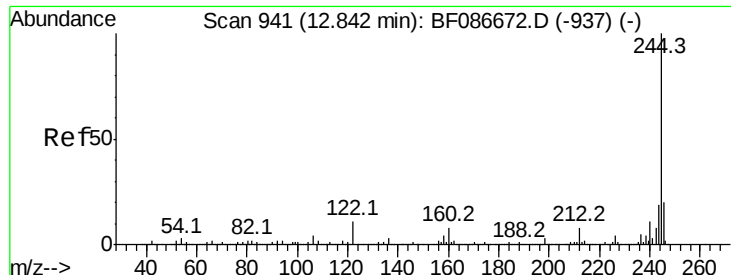
Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.7	26.5
203	17.1	14.2	21.4





#78

Terphenyl-d14

Concen: 52.55 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086698.D

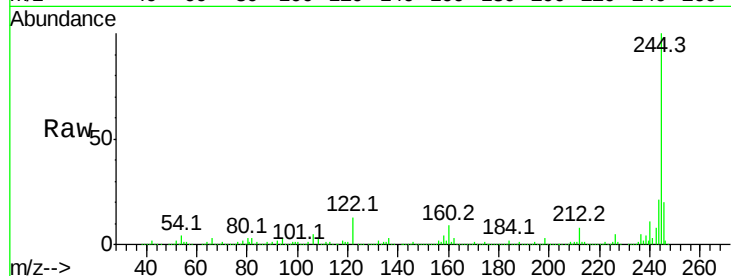
Acq: 5 May 2016 1:25

Instrument :

BNA_F

ClientSampleId :

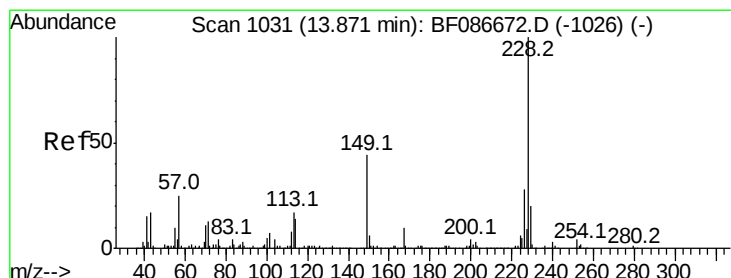
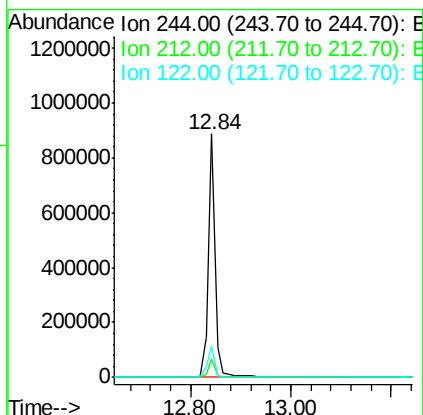
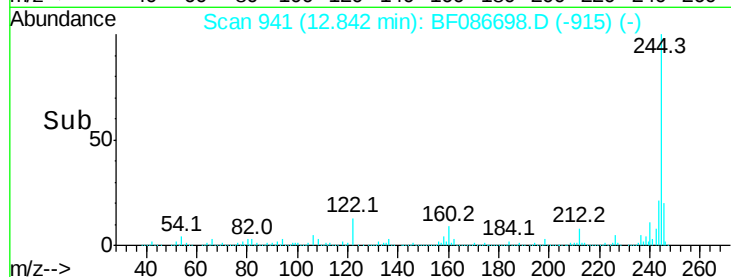
26WARD-3-CS-5(12-25FTBGS)



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.9	12.0	18.0

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#80

Benzo(a)anthracene

Concen: 2.71 ng m

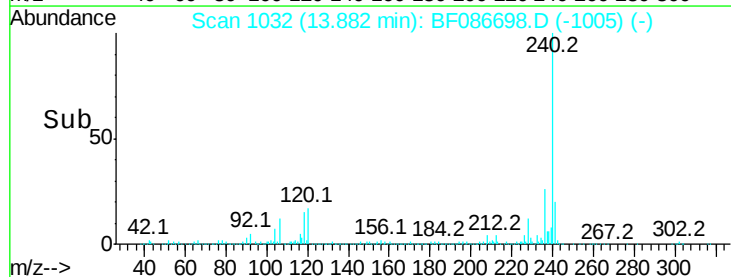
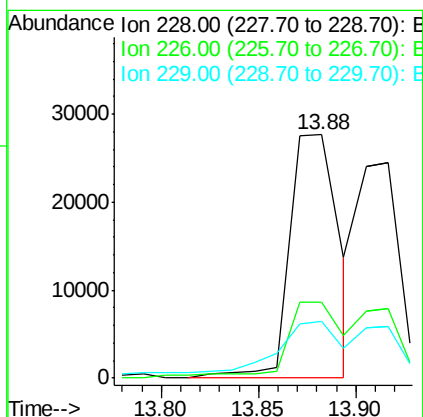
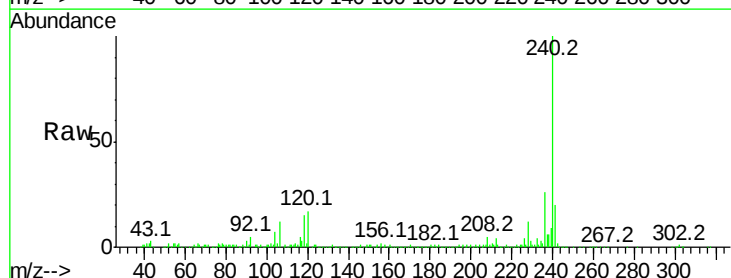
RT: 13.88 min Scan# 1032

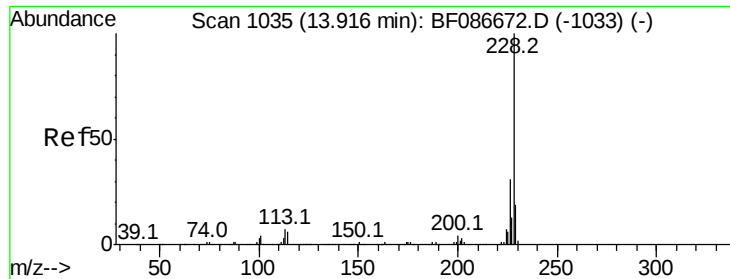
Delta R.T. 0.01 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.5	33.7
229	23.4	16.6	25.0





#82

Chrysene

Concen: 2.05 ng/mL

RT: 13.92 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

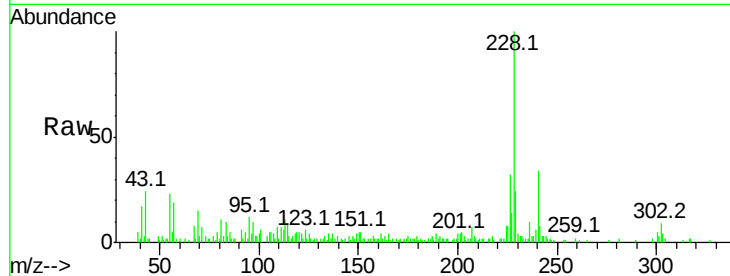
ClientSampleId :

26WARD-3-CS-5(12-25FTBGS)

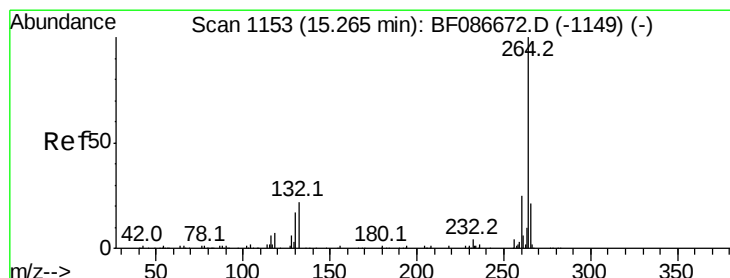
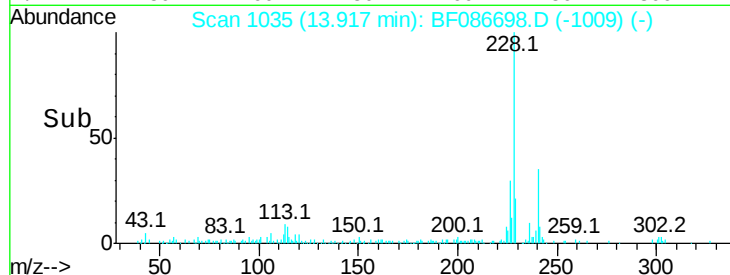
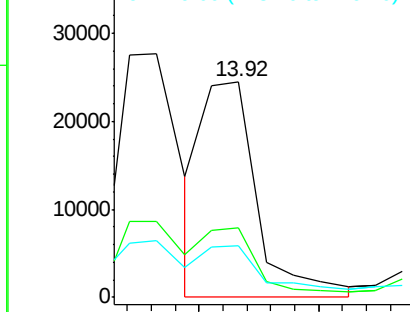
Tot Ion:	228	Resp:	39854
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.4	36.6
229	24.0	15.8	23.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 40.00 ng

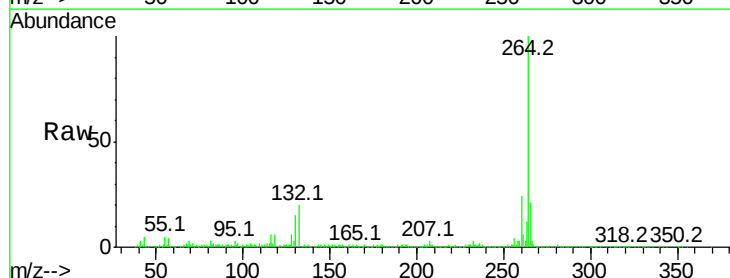
RT: 15.28 min Scan# 1154

Delta R.T. 0.01 min

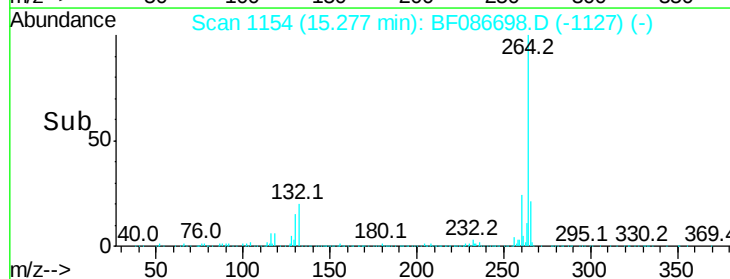
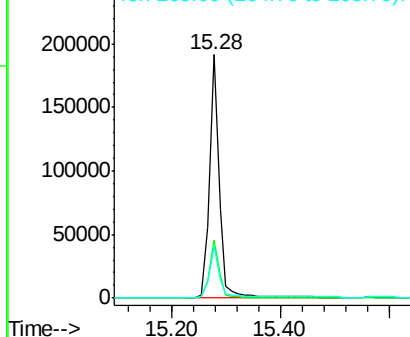
Lab File: BF086698.D

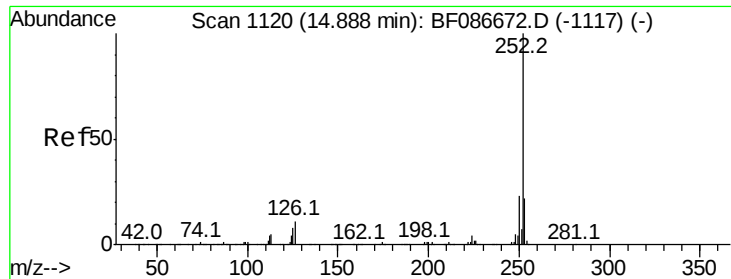
Acq: 5 May 2016 1:25

Tgt Ion:	264	Resp:	245037
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	21.3	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87
 Benzo(b)fluoranthene
 Concen: 2.86 ng/ml
 RT: 14.89 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

Tot Ion:	252	Resp:	42082
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.8	26.6
125	16.1	11.4	17.0

Manual Integrations
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