

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085530.D
 Acq On : 18 Mar 2016 11:05
 Operator : UM/SJ
 Sample : H1776-20
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-04(0.5-1.0)

Manual Integrations
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Quant Time: Mar 18 11:46:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168464	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	596222	20.00	ng	-0.06
38) Acenaphthene-d10	9.91	164	258823	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	415688	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	271721	20.00	ng	-0.05
86) Perylene-d12	15.47	264	253485	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	980441	100.04	ng	-0.03
7) Phenol-d6	6.50	99	1224249	96.30	ng	-0.05
23) Nitrobenzene-d5	7.44	82	887592	88.02	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	232870	97.68	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1200283	80.45	ng	-0.05
78) Terphenyl-d14	12.98	244	779195	64.87	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	338028	17.90	ng	# 99
70) Phenanthrene	11.42	178	222869	10.29	ng	97
71) Anthracene	11.46	178	52207	2.37	ng	99
74) Fluoranthene	12.61	202	383982	18.87	ng	97
77) Pyrene	12.84	202	364781	17.90	ng	97
80) Benzo(a)anthracene	14.02	228	168275	10.80	ng	96
82) Chrysene	14.06	228	146991	10.49	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	44319	4.08	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.88	276	84748	6.38	ng	92
87) Benzo(b)fluoranthene	15.05	252	192022m	11.60	ng	
88) Benzo(k)fluoranthene	15.07	252	83877m	6.47	ng	
89) Benzo(a)pyrene	15.41	252	143512	10.03	ng	# 94
91) Benzo(g,h,i)perylene	17.31	276	83006	5.82	ng	96

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

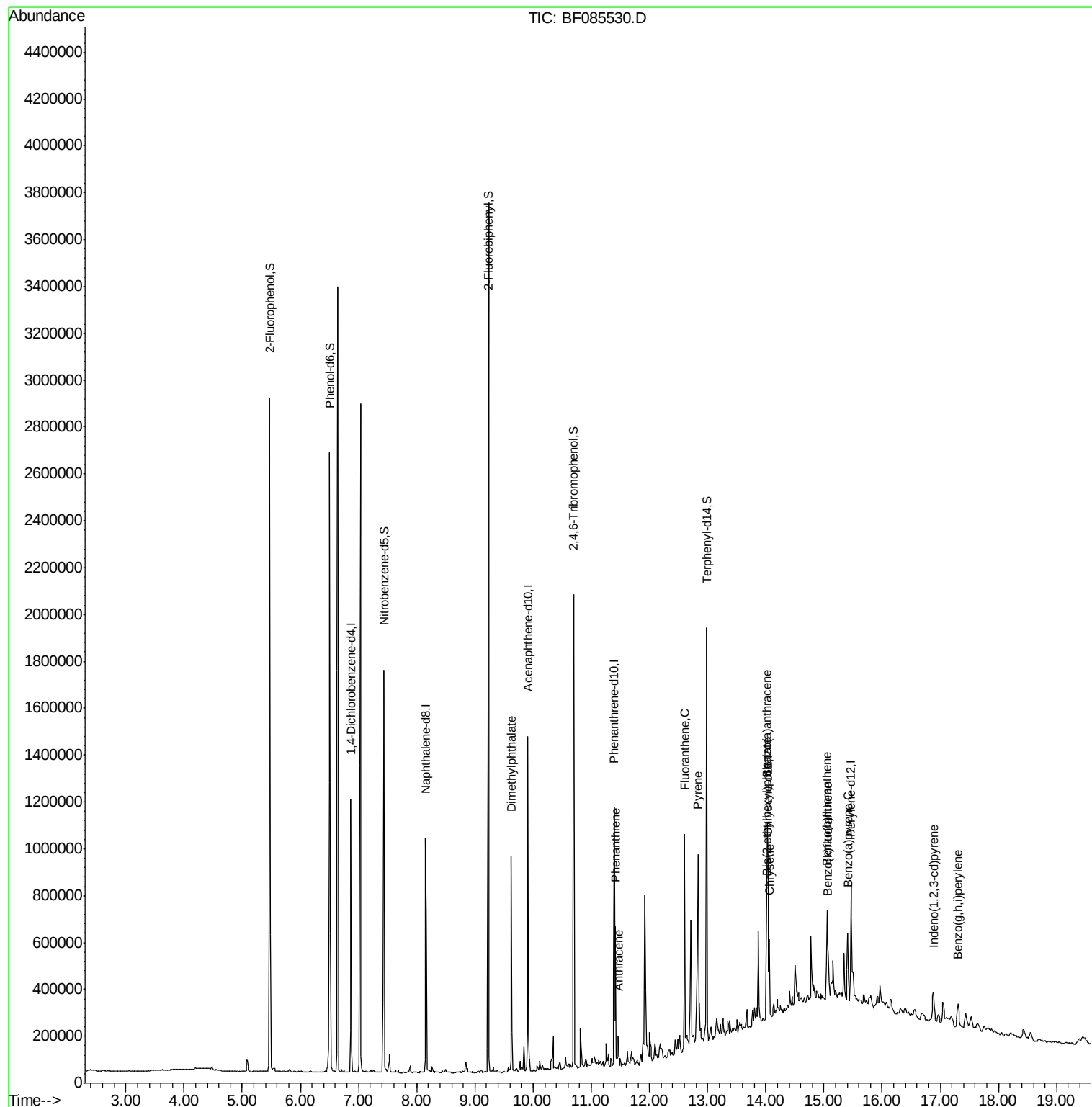
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
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ALS Vial : 50 Sample Multiplier: 1

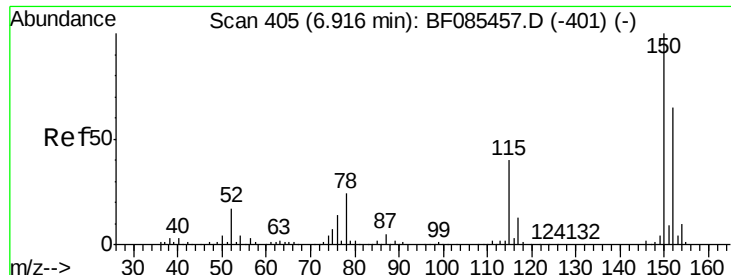
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

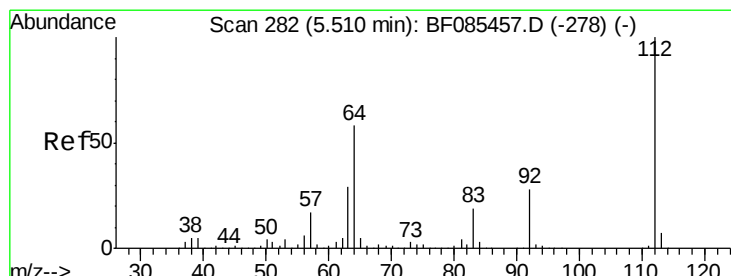
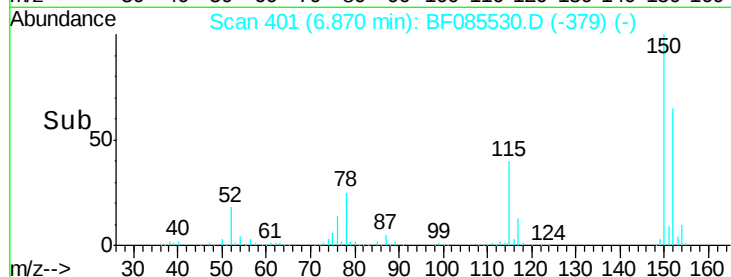
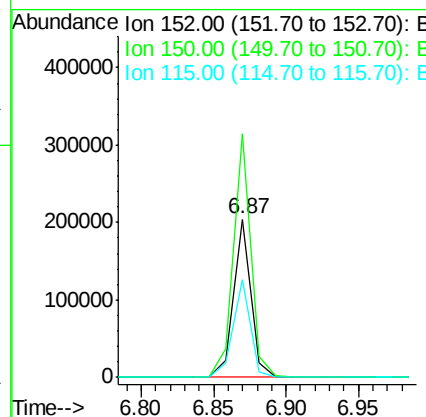
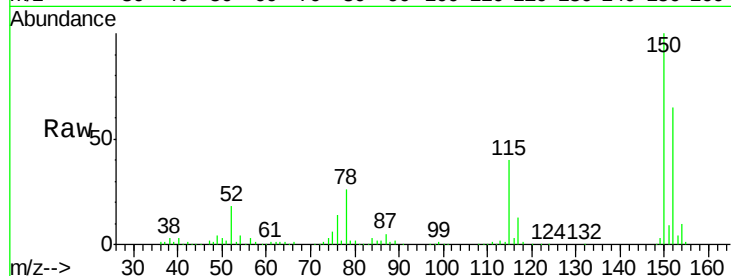
ClientSampleId :

W170TH-SB-04(0.5-1.0)

Tgt Ion:	152	Resp:	168464
Ion Ratio	Lower	Upper	
152	100		
150	153.8	124.6	186.8
115	62.1	46.6	70.0

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#5

2-Fluorophenol

Concen: 100.04 ng

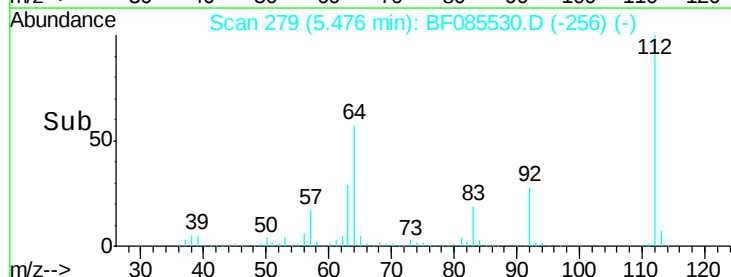
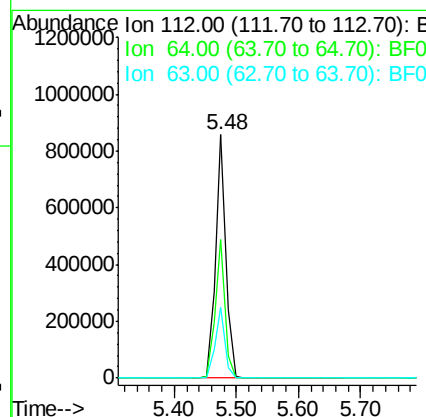
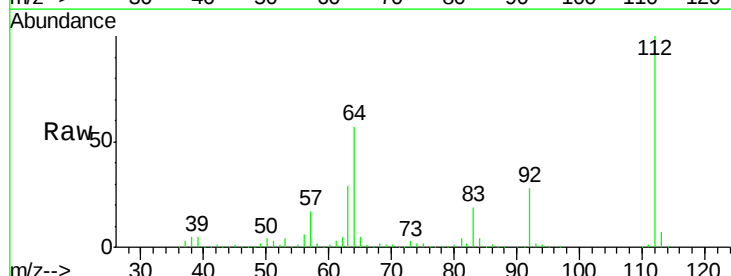
RT: 5.48 min Scan# 279

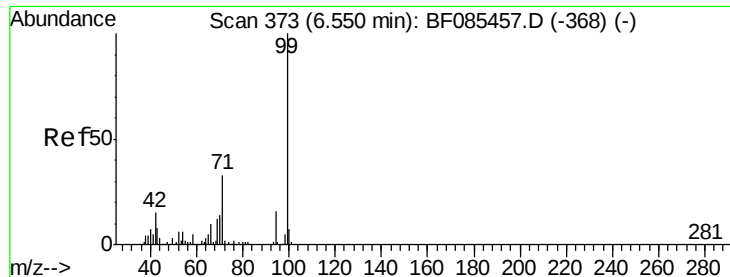
Delta R.T. -0.03 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Tgt Ion:	112	Resp:	980441
Ion Ratio	Lower	Upper	
112	100		
64	57.0	49.0	73.4
63	28.9	24.8	37.2





#7

Phenol-d6

Concen: 96.30 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampleId :

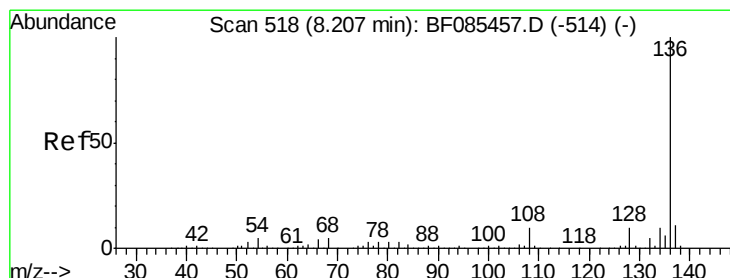
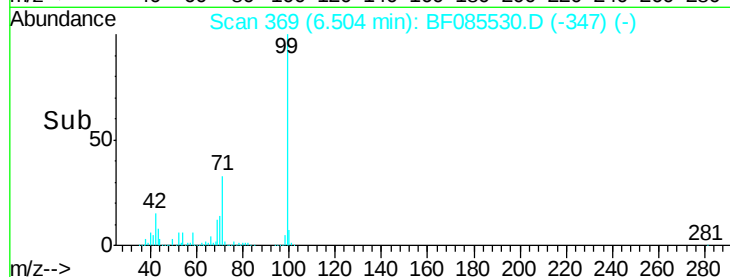
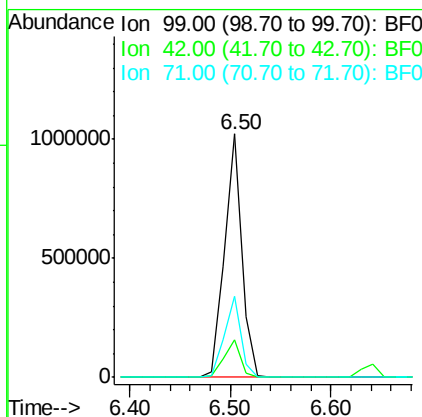
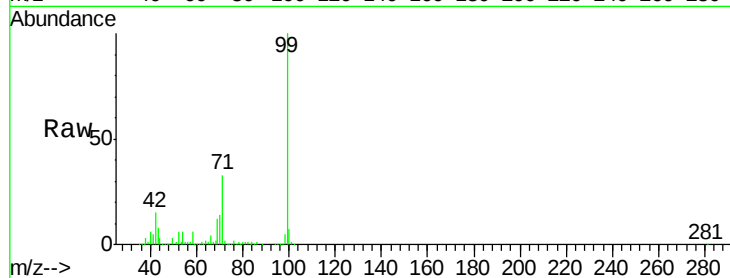
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Tgt Ion:	99	Resp:	1224249
Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.6	20.4
71	33.4	26.7	40.1



#21

Naphthalene-d8

Concen: 20.00 ng

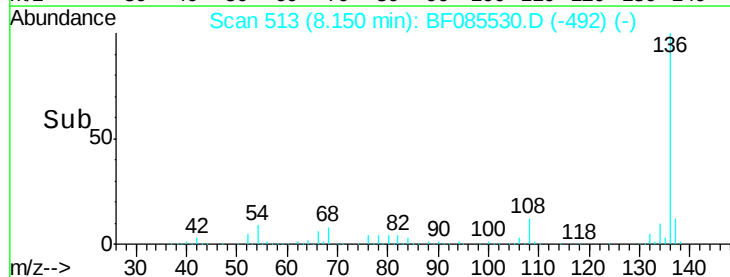
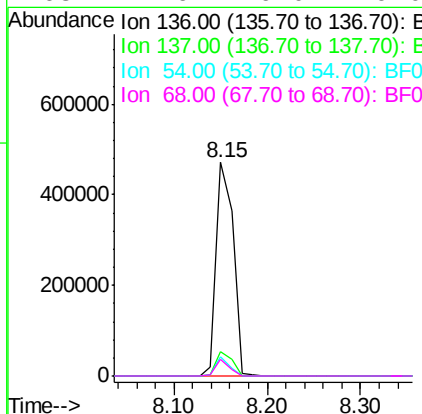
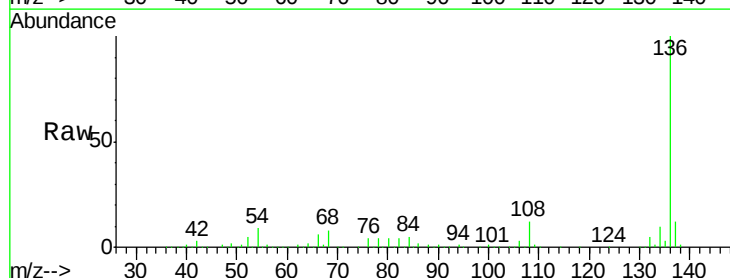
RT: 8.15 min Scan# 513

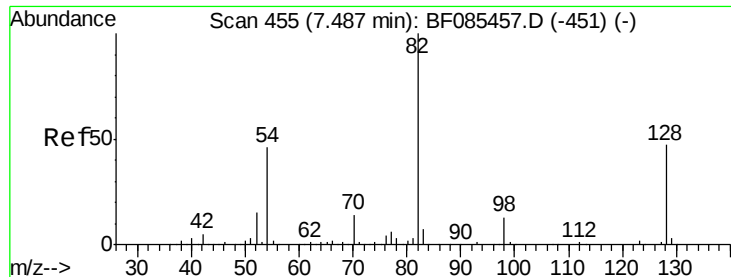
Delta R.T. -0.06 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Tgt Ion:	136	Resp:	596222
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	9.2	7.4	11.2
68	7.6	6.0	9.0





#23

Nitrobenzene-d5

Concen: 88.02 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-04(0.5-1.0)

Tgt Ion: 82 Resp: 887592
Ion Ratio Lower Upper

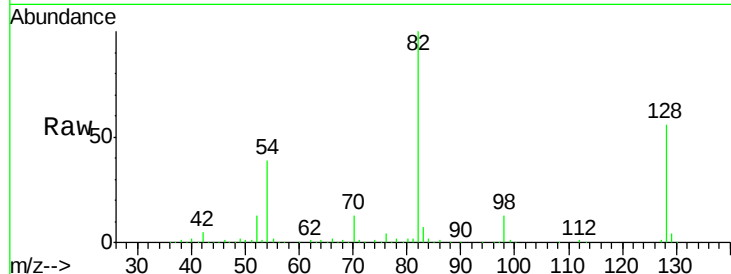
82 100

128 55.6 34.5 51.7#

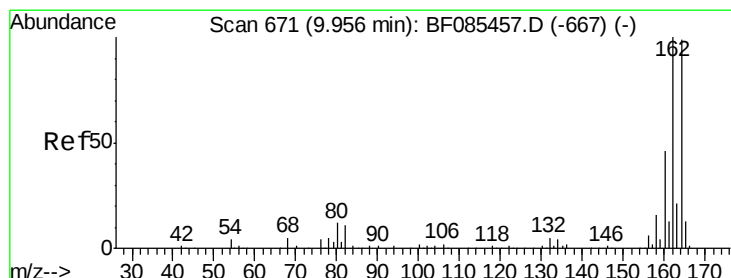
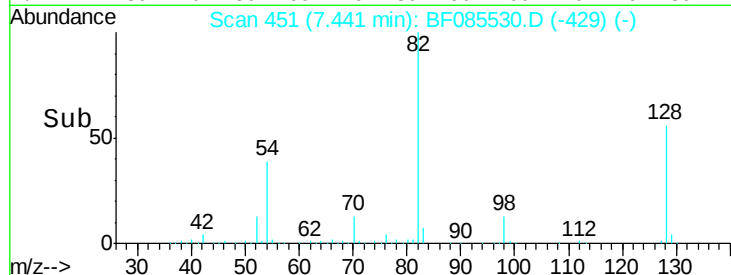
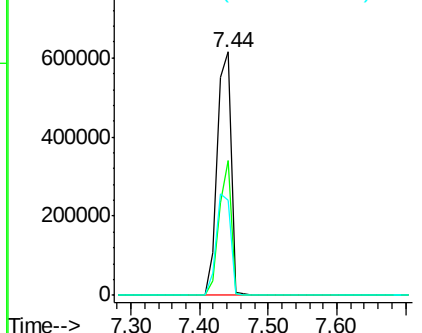
54 39.2 39.3 58.9#

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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: 9.91 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF085530.D

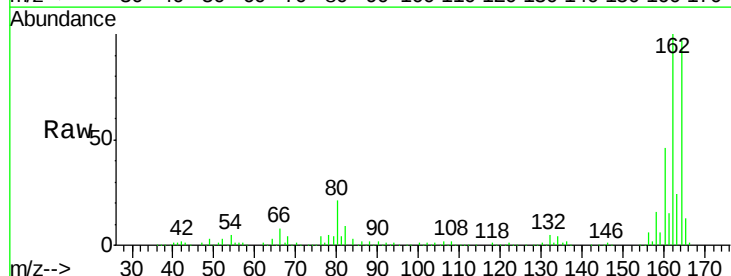
Acq: 18 Mar 2016 11:05

Tgt Ion: 164 Resp: 258823
Ion Ratio Lower Upper

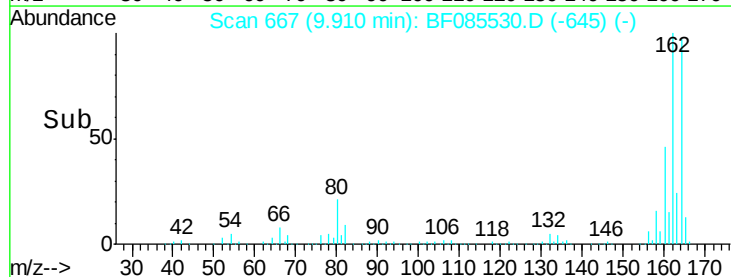
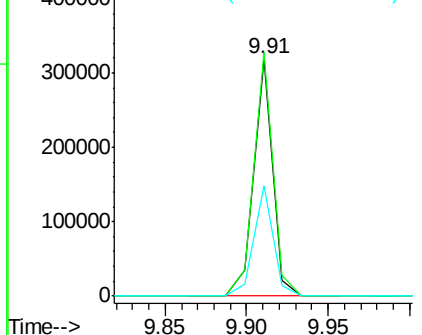
164 100

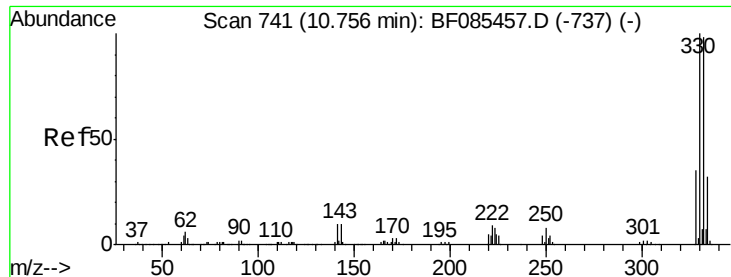
162 102.6 83.3 124.9

160 46.7 37.9 56.9



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





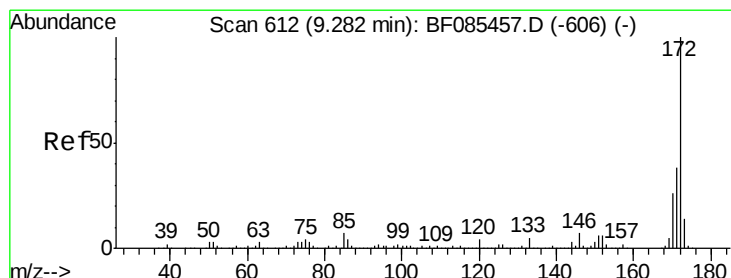
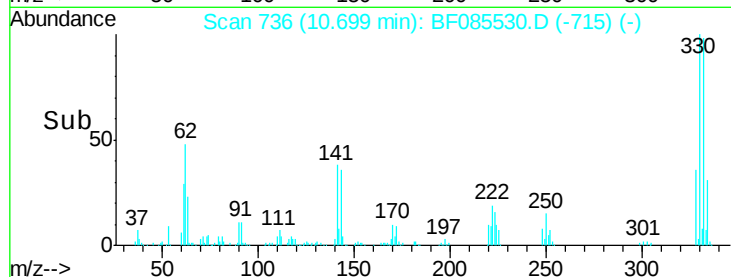
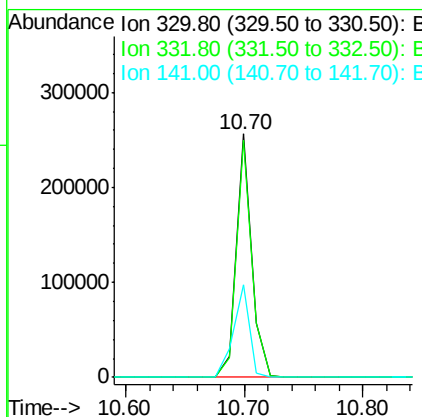
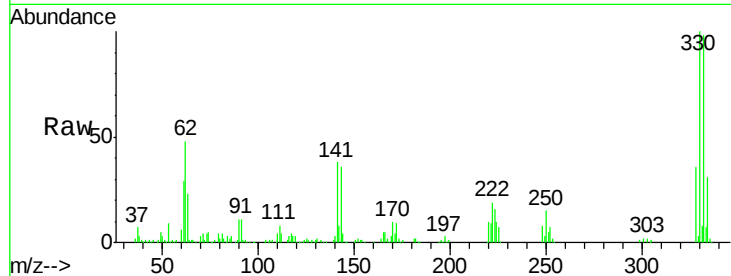
#41
 2,4,6-Tribromophenol
 Concen: 97.68 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.06 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-04(0.5-1.0)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	232870		
332	97.6	77.1	115.7	
141	40.1	35.0	52.6	

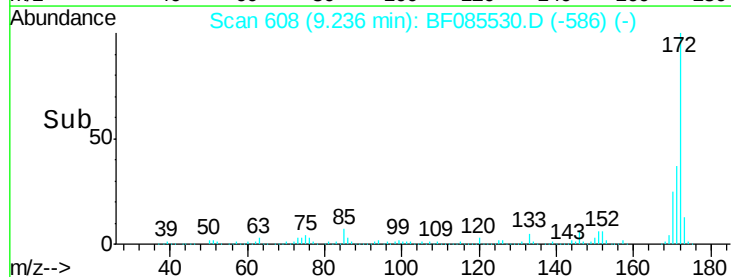
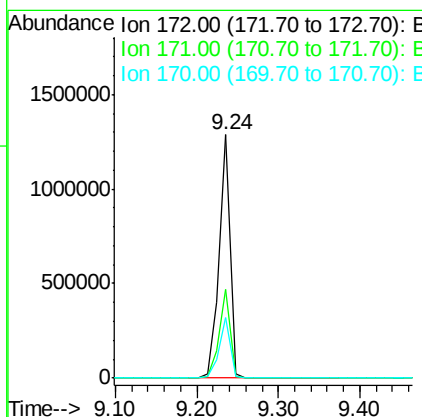
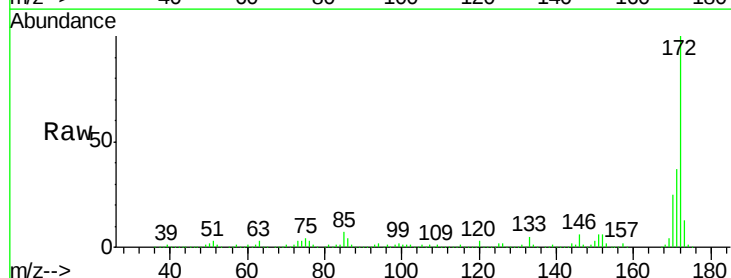
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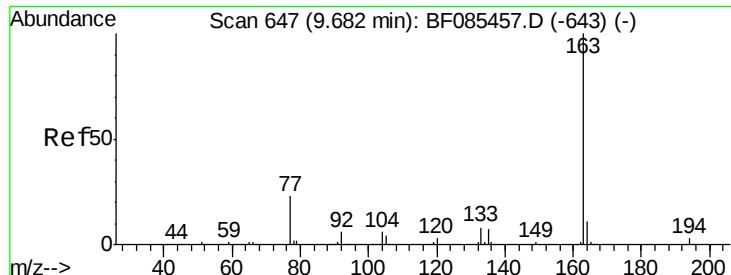
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#44
 2-Fluorobiphenyl
 Concen: 80.45 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085530.D
 Acq: 18 Mar 2016 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1200283		
171	36.6	29.3	43.9	
170	24.7	20.0	30.0	





#49

Dimethylphthalate

Concen: 17.90 ng

RT: 9.62 min Scan# 642

Delta R.T. -0.06 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

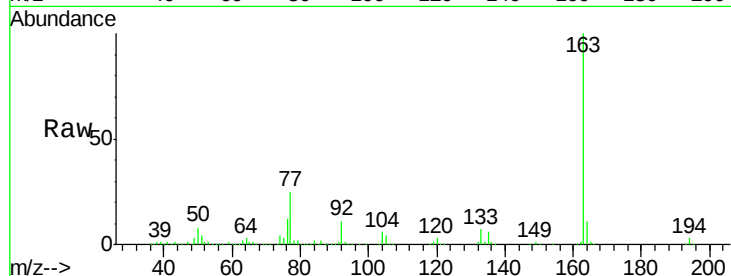
ClientSampleId :

W170TH-SB-04(0.5-1.0)

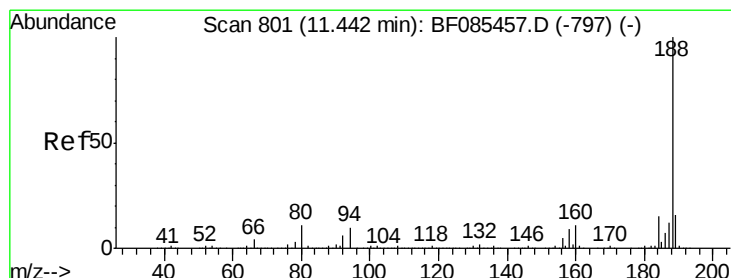
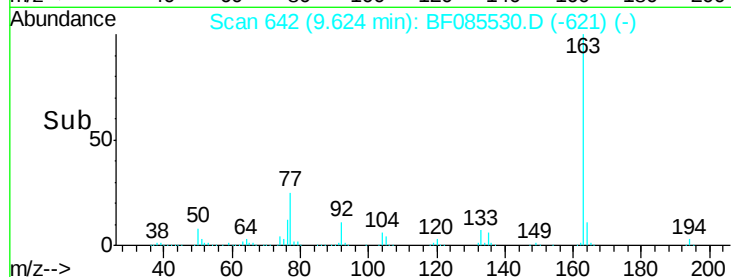
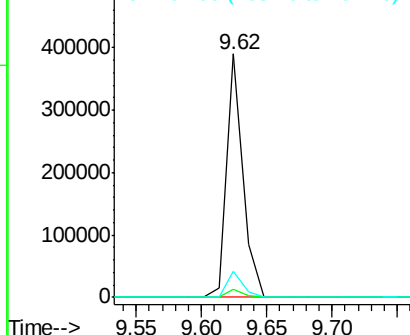
Tgt Ion:	163	Resp:	338028
Ion Ratio	Lower	Upper	
163	100		
194	3.1	3.1	4.7#
164	10.7	8.2	12.4

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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

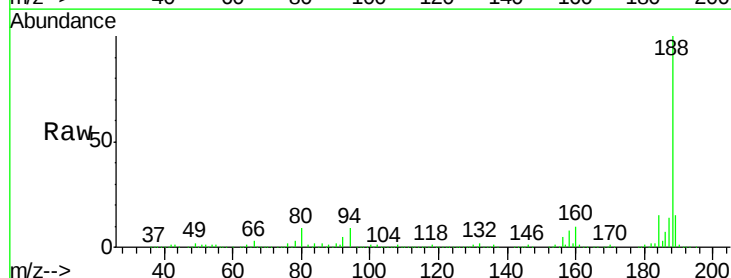
RT: 11.40 min Scan# 797

Delta R.T. -0.05 min

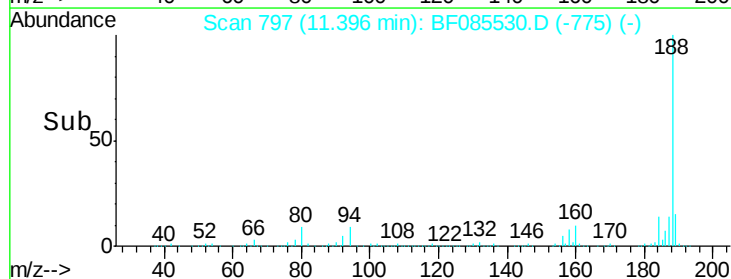
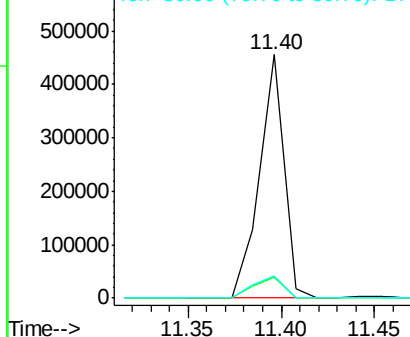
Lab File: BF085530.D

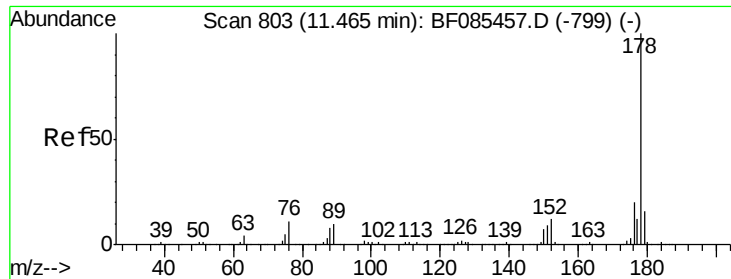
Acq: 18 Mar 2016 11:05

Tgt Ion:	188	Resp:	415688
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.0	10.6
80	8.9	7.4	11.0



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: 10.29 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

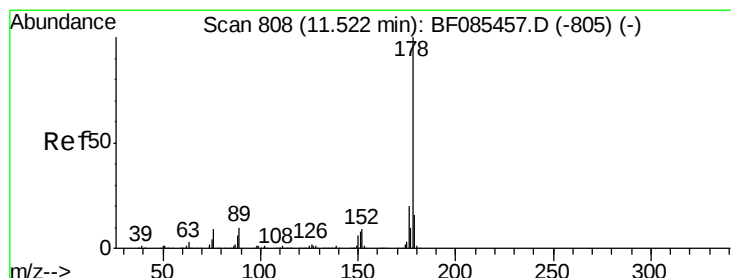
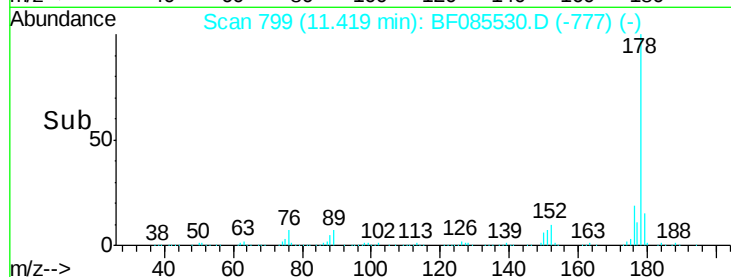
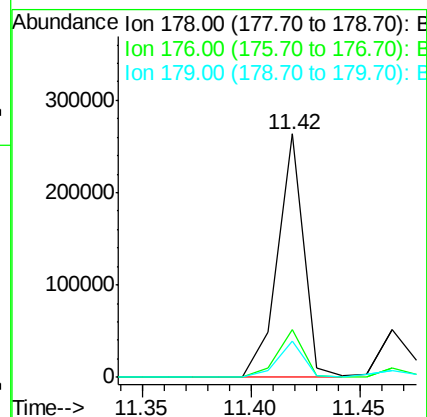
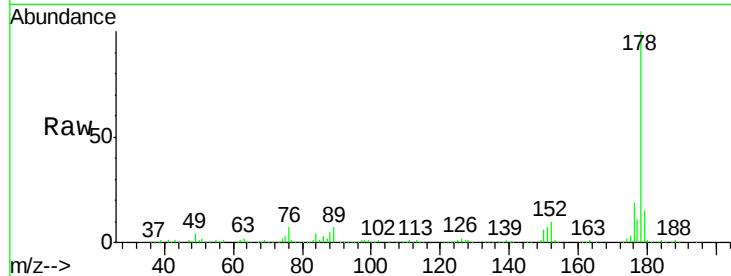
ClientSampleId :

W170TH-SB-04(0.5-1.0)

Tgt Ion:	178	Resp:	222869
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.8	25.2
179	15.2	13.1	19.7

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#71

Anthracene

Concen: 2.37 ng

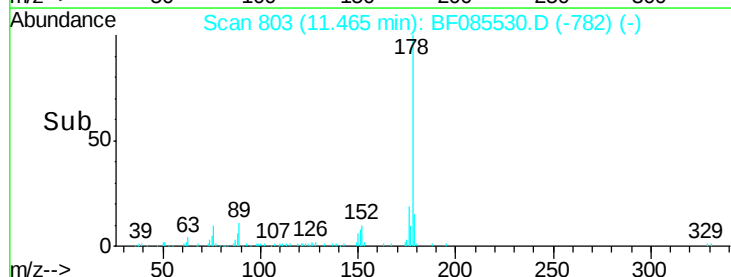
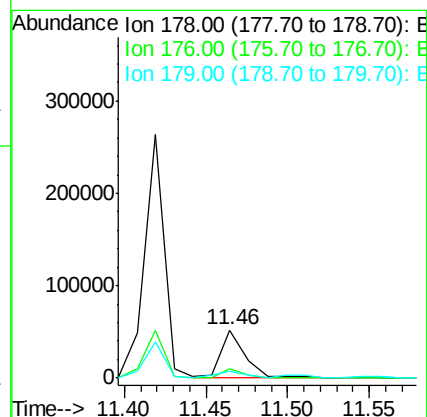
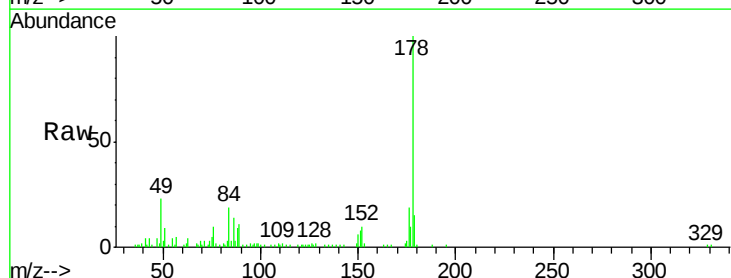
RT: 11.46 min Scan# 803

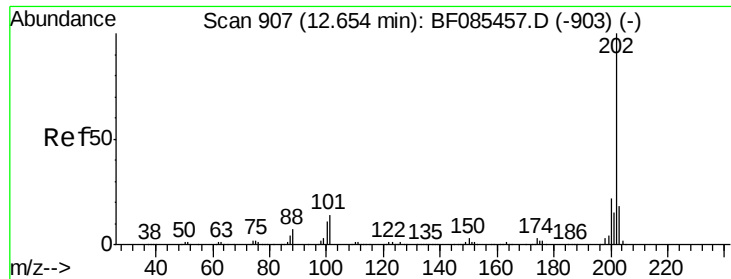
Delta R.T. -0.06 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Tgt Ion:	178	Resp:	52207
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.9	23.9
179	15.4	12.5	18.7





#74

Fluoranthene

Concen: 18.87 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

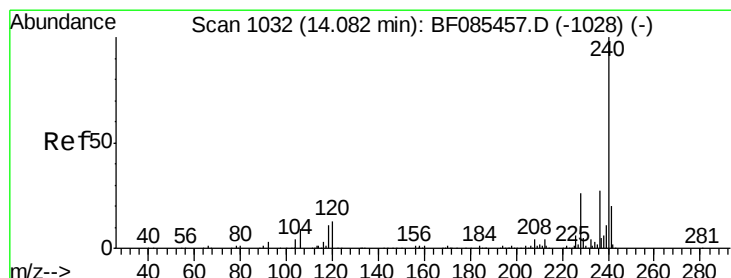
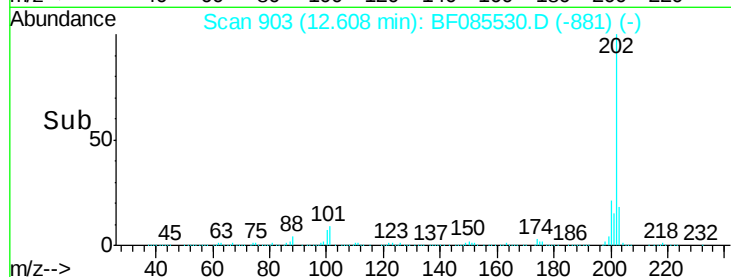
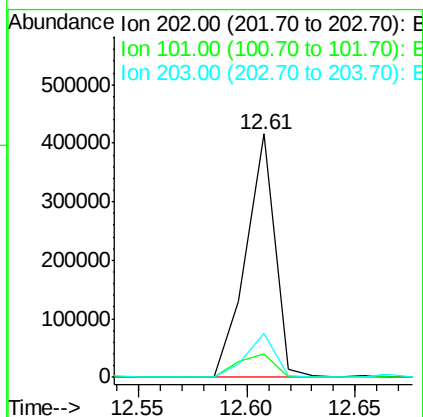
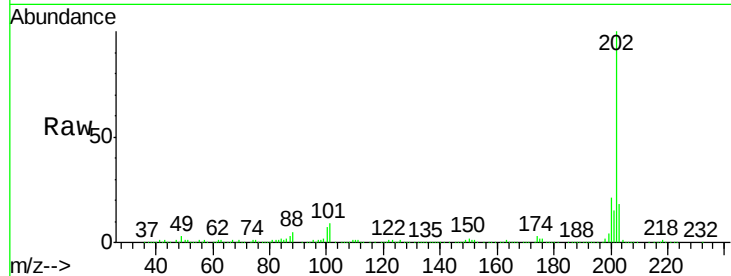
ClientSampleId :

W170TH-SB-04(0.5-1.0)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		383982		
101	9.5	0.0	31.8		
203	18.0	0.0	38.4		

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#75

Chrysene-d12

Concen: 20.00 ng

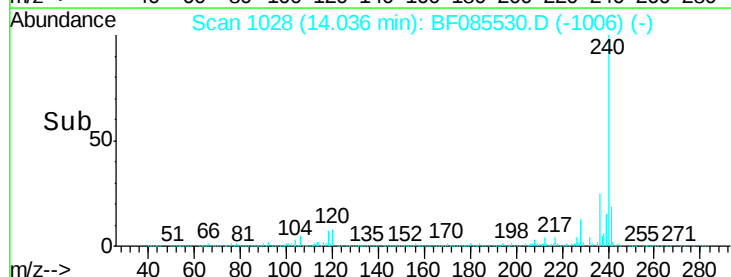
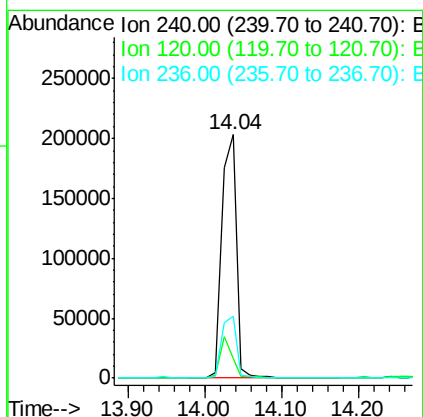
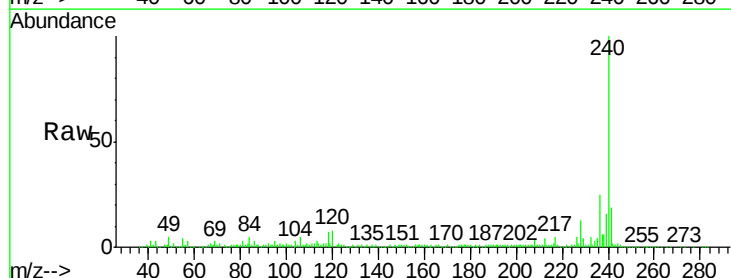
RT: 14.04 min Scan# 1028

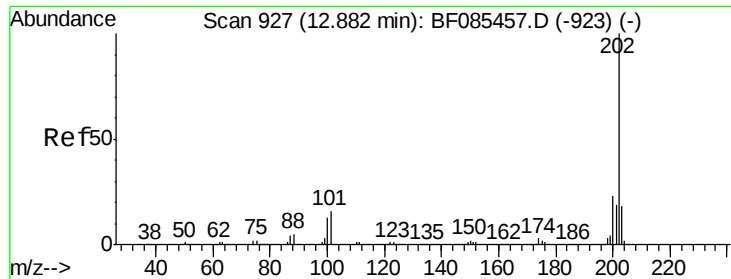
Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		271721		
120	8.0	5.3	7.9#		
236	25.4	20.7	31.1		





#77

Pyrene

Concen: 17.90 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

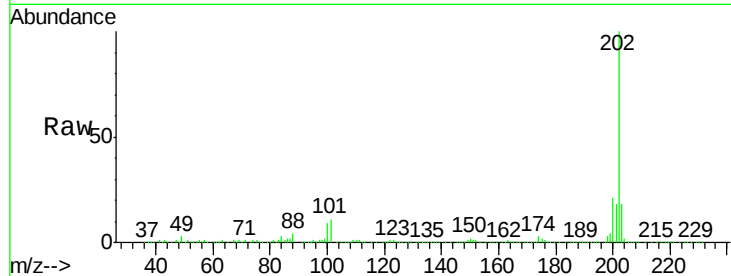
ClientSampleId :

W170TH-SB-04(0.5-1.0)

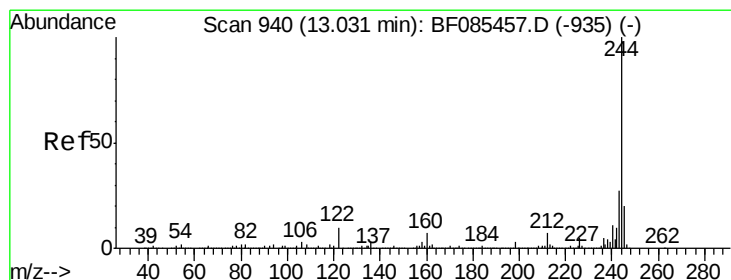
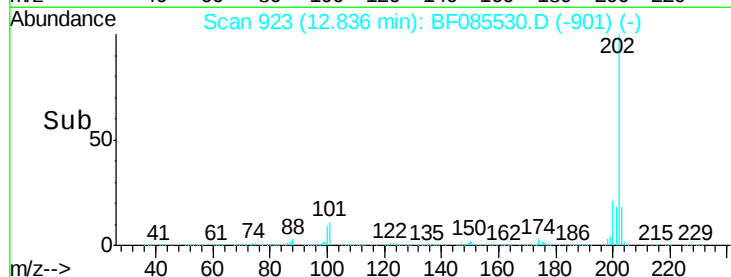
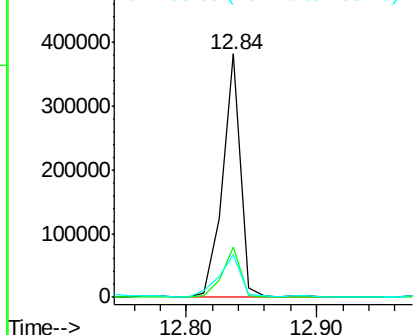
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		364781		
200	20.9	18.2	27.4		
203	17.7	14.7	22.1		

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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: 64.87 ng

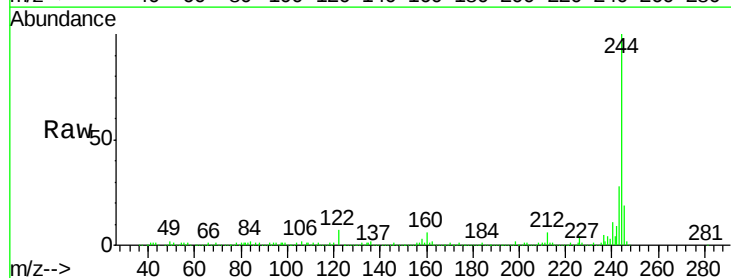
RT: 12.98 min Scan# 936

Delta R.T. -0.05 min

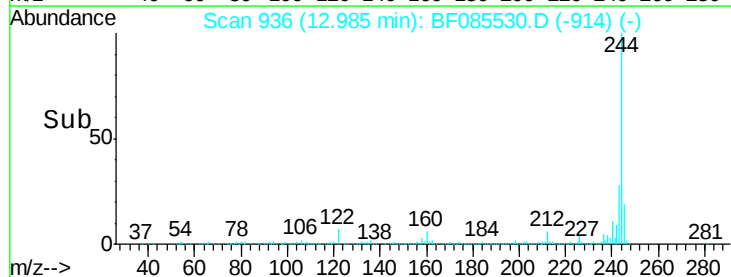
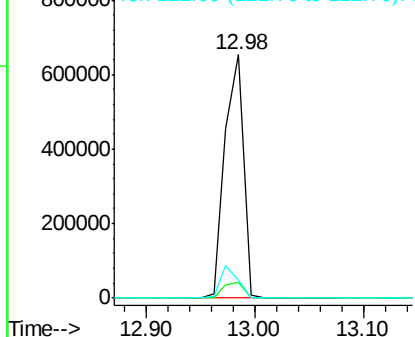
Lab File: BF085530.D

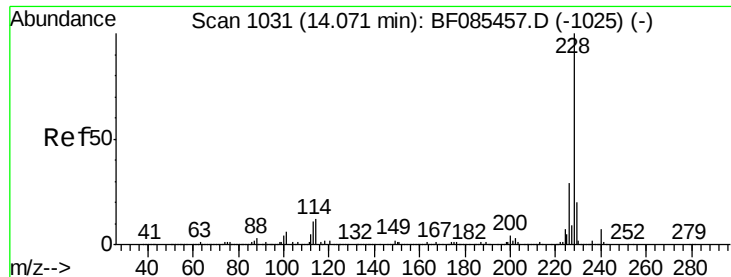
Acq: 18 Mar 2016 11:05

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		779195		
212	6.4	6.4	9.6#		
122	7.3	11.4	17.2#		



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





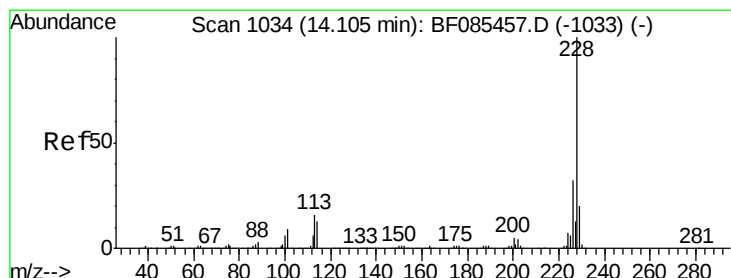
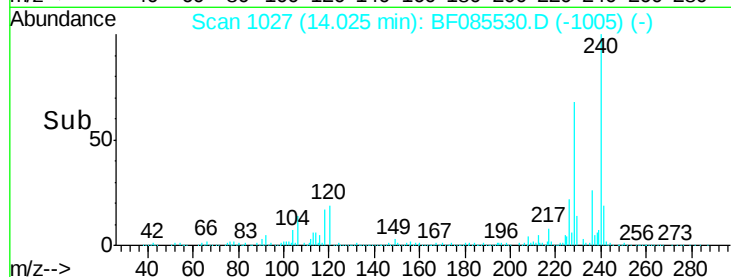
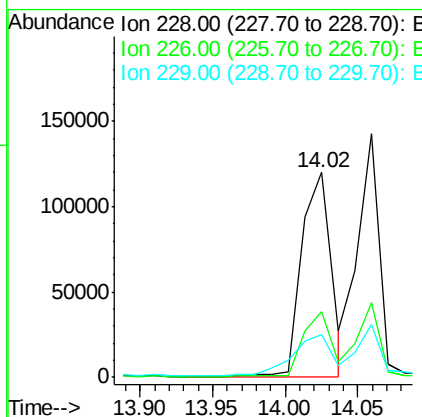
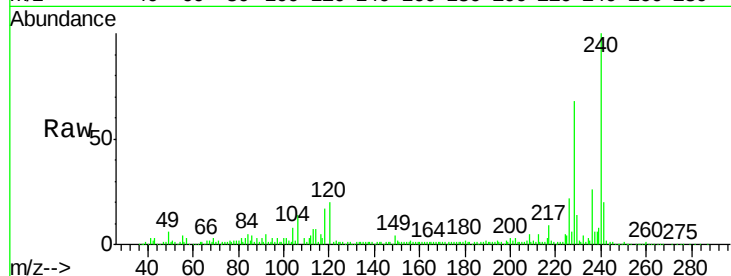
#80
Benzo(a)anthracene
Concen: 10.80 ng
RT: 14.02 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-04(0.5-1.0)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.8	34.2
229	21.0	16.6	24.8

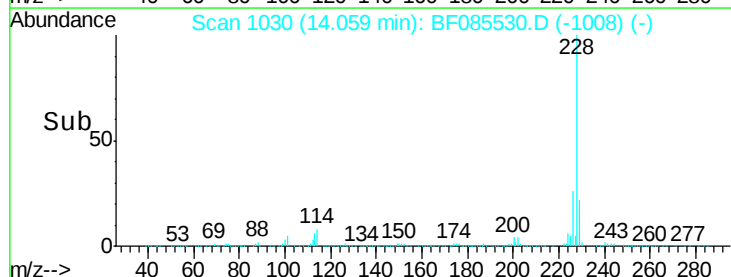
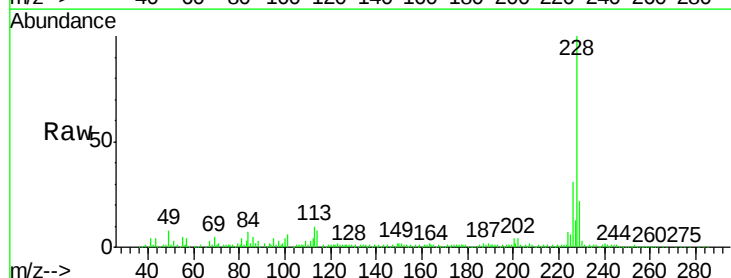
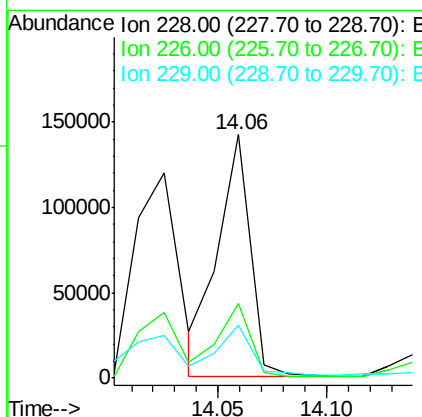
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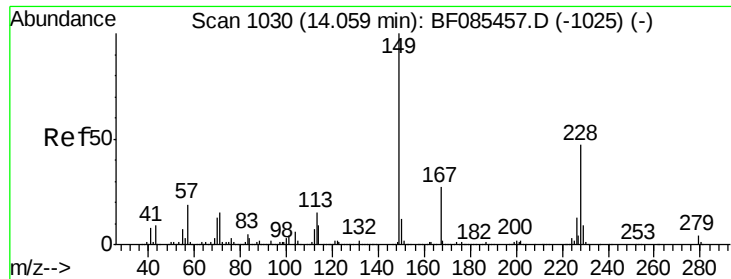
Sohil
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#82
Chrysene
Concen: 10.49 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.2	37.8
229	21.6	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.08 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

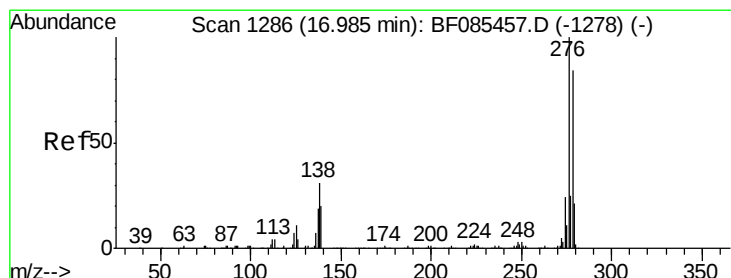
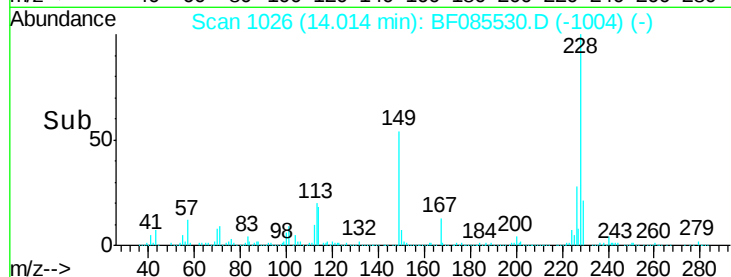
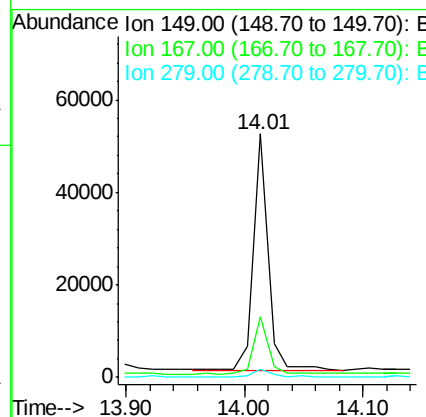
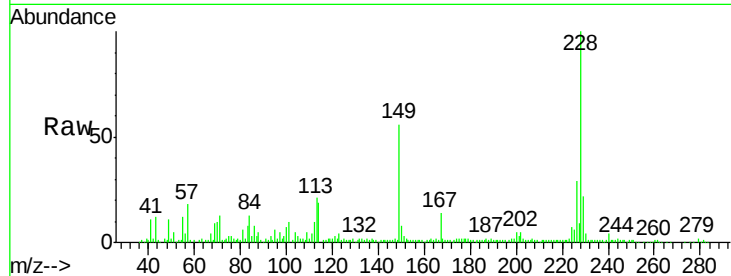
ClientSampleId :

W170TH-SB-04(0.5-1.0)

Tgt Ion:	149	Resp:	44319
Ion Ratio	Lower	Upper	
149	100		
167	24.8	20.3	30.5
279	3.2	1.9	2.9#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.38 ng

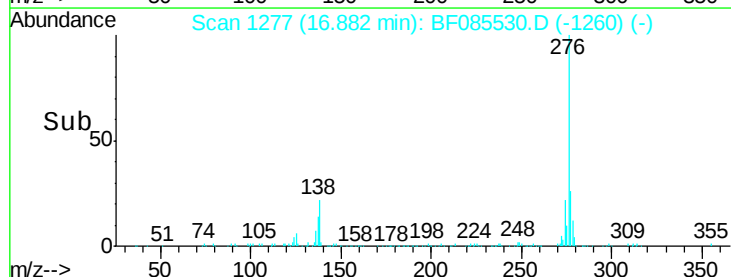
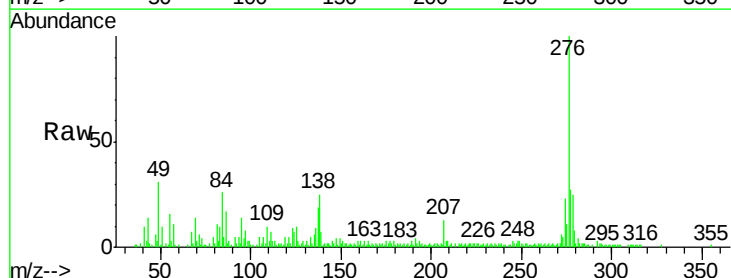
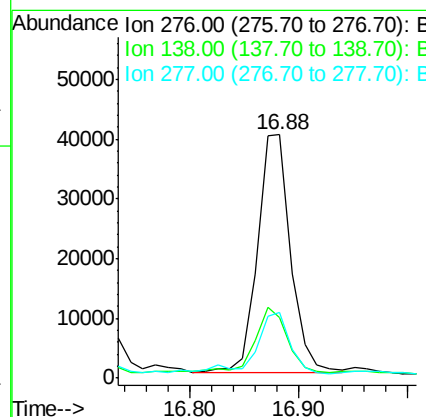
RT: 16.88 min Scan# 1277

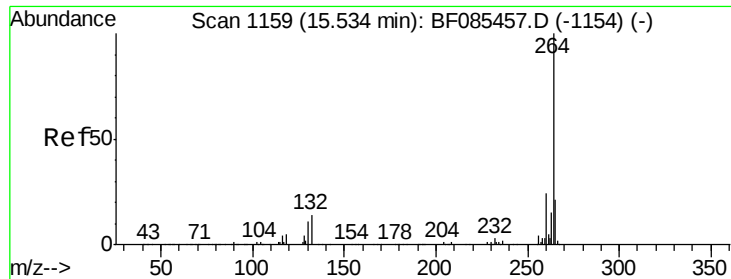
Delta R.T. -0.10 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Tgt Ion:	276	Resp:	84748
Ion Ratio	Lower	Upper	
276	100		
138	28.8	26.4	39.6
277	29.4	20.2	30.2





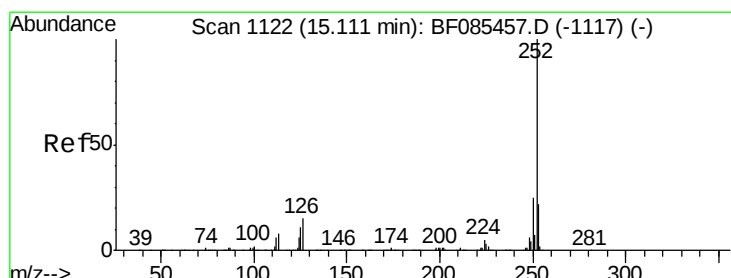
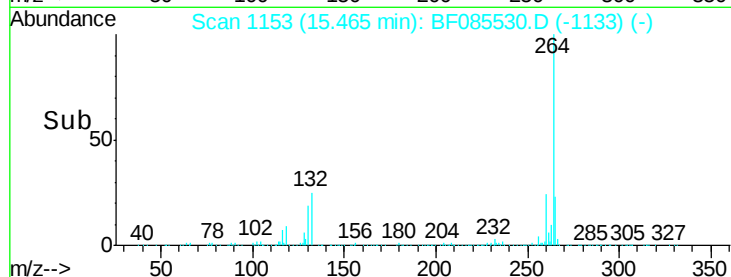
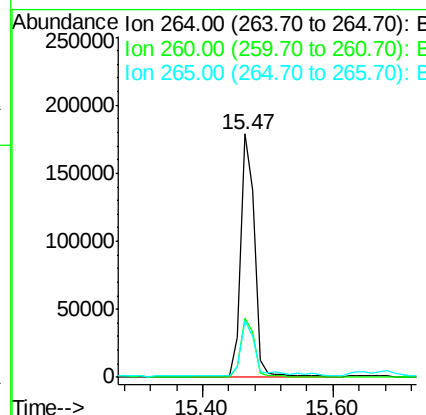
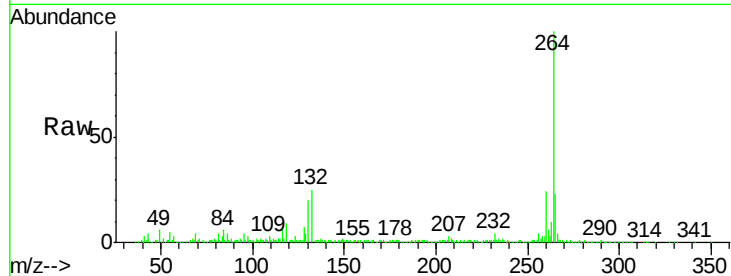
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-04(0.5-1.0)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	253485		
260	24.4	19.2	28.8	
265	23.1	17.3	25.9	

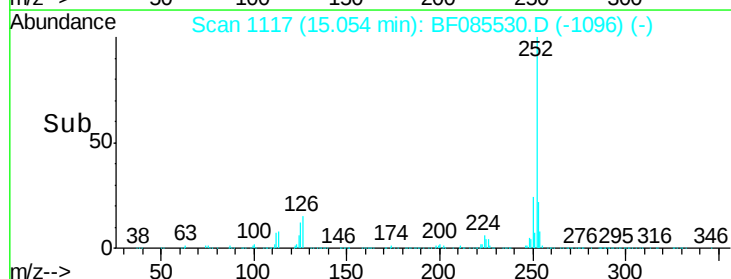
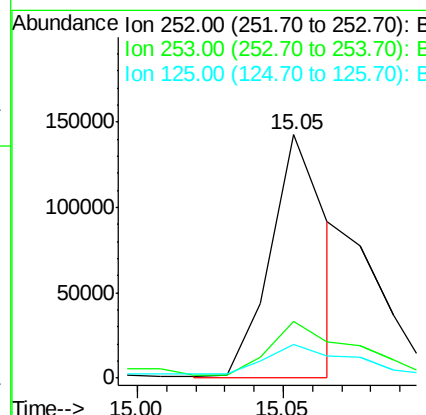
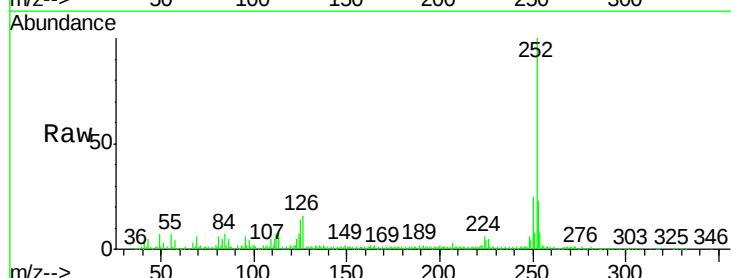
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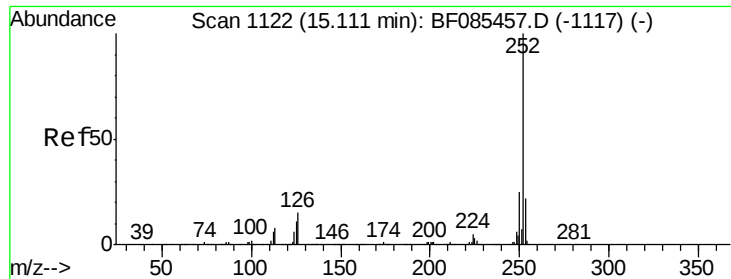
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#87
Benzo(b)fluoranthene
Concen: 11.60 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	192022		
253	23.2	17.8	26.6	
125	13.9	11.3	16.9	





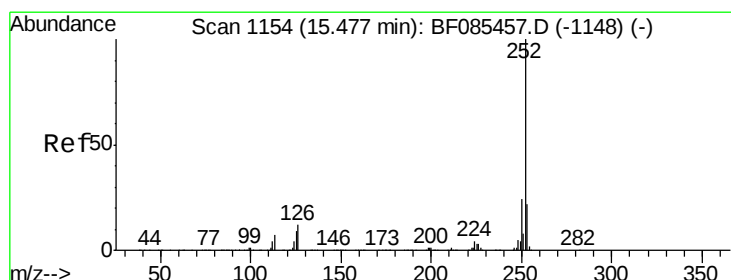
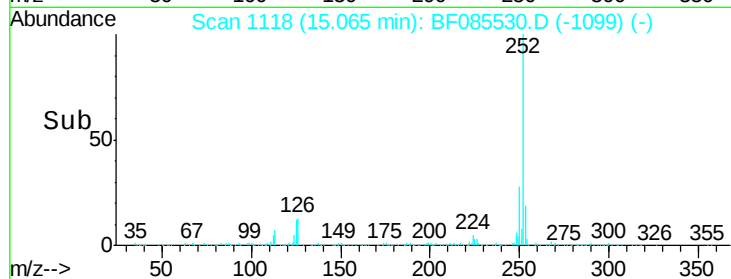
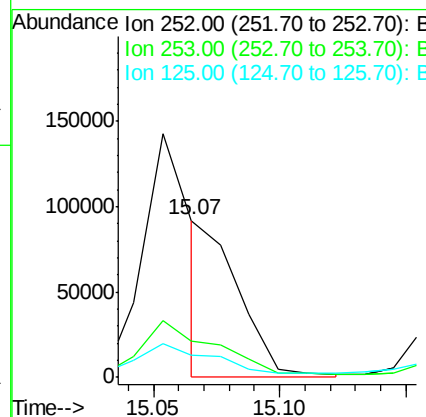
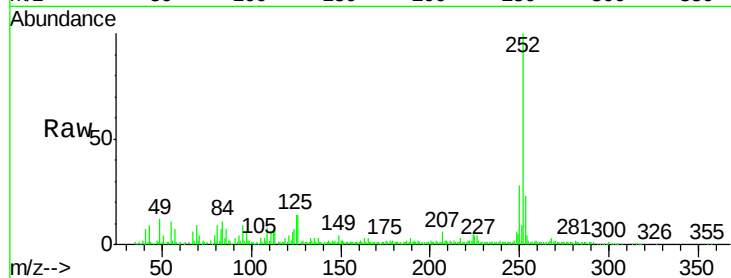
#88
Benzo(k)fluoranthene
Concen: 6.47 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.08 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-04(0.5-1.0)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.1	10.4	15.6

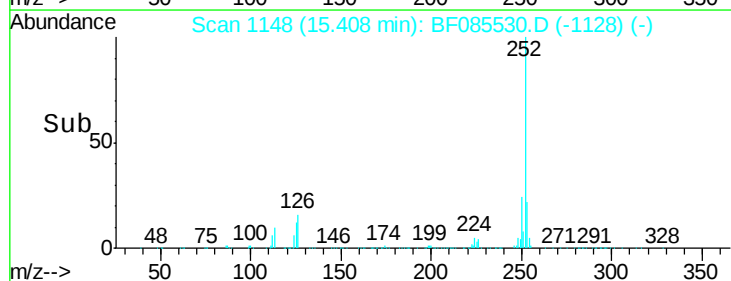
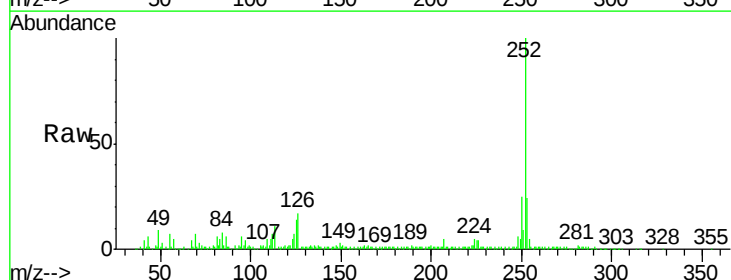
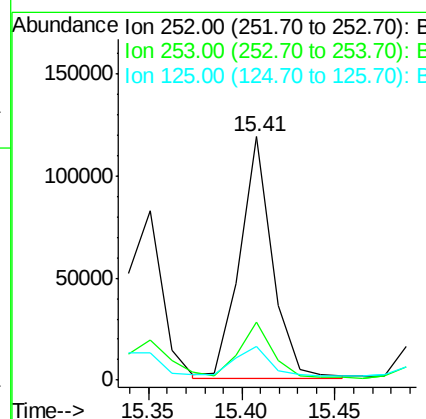
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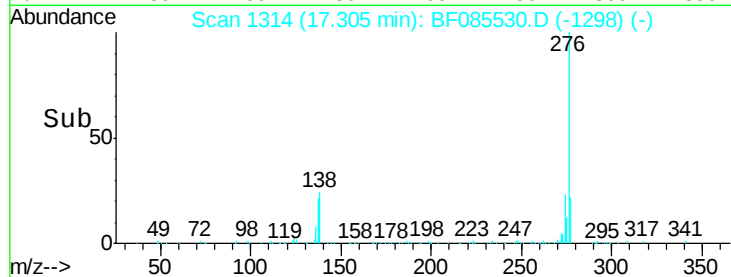
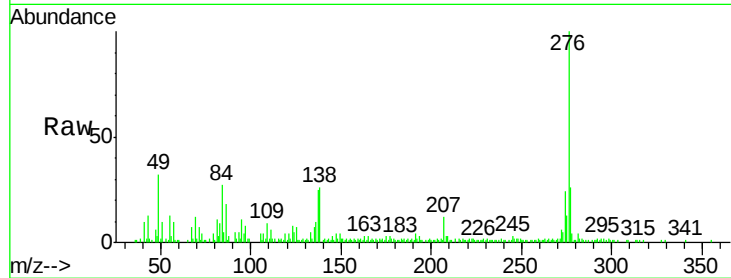
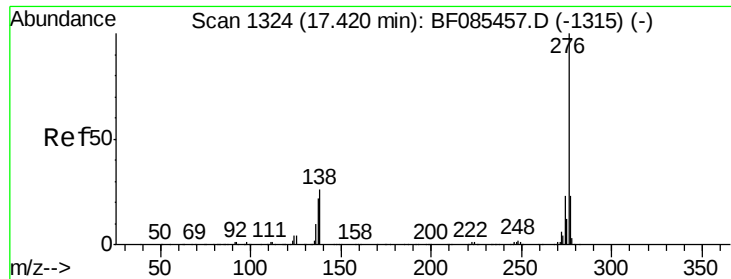
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#89
Benzo(a)pyrene
Concen: 10.03 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085530.D
Acq: 18 Mar 2016 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	13.8	8.2	12.4#





#91

Benzo(g,h,i)perylene

Concen: 5.82 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085530.D

Acq: 18 Mar 2016 11:05

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-04(0.5-1.0)

Tgt Ion:	276	Resp:	83006
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.0	28.4
138	26.3	22.5	33.7

Manual Integrations
APPROVED

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