

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085526.D
 Acq On : 18 Mar 2016 8:32
 Operator : UM/SJ
 Sample : H1776-12
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-01

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Quant Time: Mar 18 11:20:39 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	6.88	152	125773	20.00	ng	-0.03
21) Naphthalene-d8	8.17	136	306240	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	154933	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	247218	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	258829	20.00	ng	-0.03
86) Perylene-d12	15.48	264	246749	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1127089	154.04	ng	-0.02
7) Phenol-d6	6.52	99	1319397	139.01	ng	-0.03
23) Nitrobenzene-d5	7.45	82	814165	157.19	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	259742	182.02	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1007578	112.82	ng	-0.02
78) Terphenyl-d14	13.00	244	801032	70.01	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.20	128	979271	65.44	ng	# 93
37) 2-Methylnaphthalene	8.90	142	2071397	218.60	ng	96
45) 1,1'-Biphenyl	9.36	154	207612	16.42	ng	95
49) Dimethylphthalate	9.66	163	184905	16.36	ng	# 81
51) Acenaphthene	9.98	154	189191	19.63	ng	# 68
57) Fluorene	10.49	166	288191	30.53	ng	# 82
70) Phenanthrene	11.45	178	918872	71.36	ng	# 95
74) Fluoranthene	12.63	202	99558	8.23	ng	77
77) Pyrene	12.86	202	276230	14.23	ng	# 94
80) Benzo(a)anthracene	14.04	228	51850m	3.49	ng	
82) Chrysene	14.07	228	42928m	3.22	ng	
83) Bis(2-ethylhexyl)phthalate	14.03	149	29163	2.82	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	41690m	2.59	ng	

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

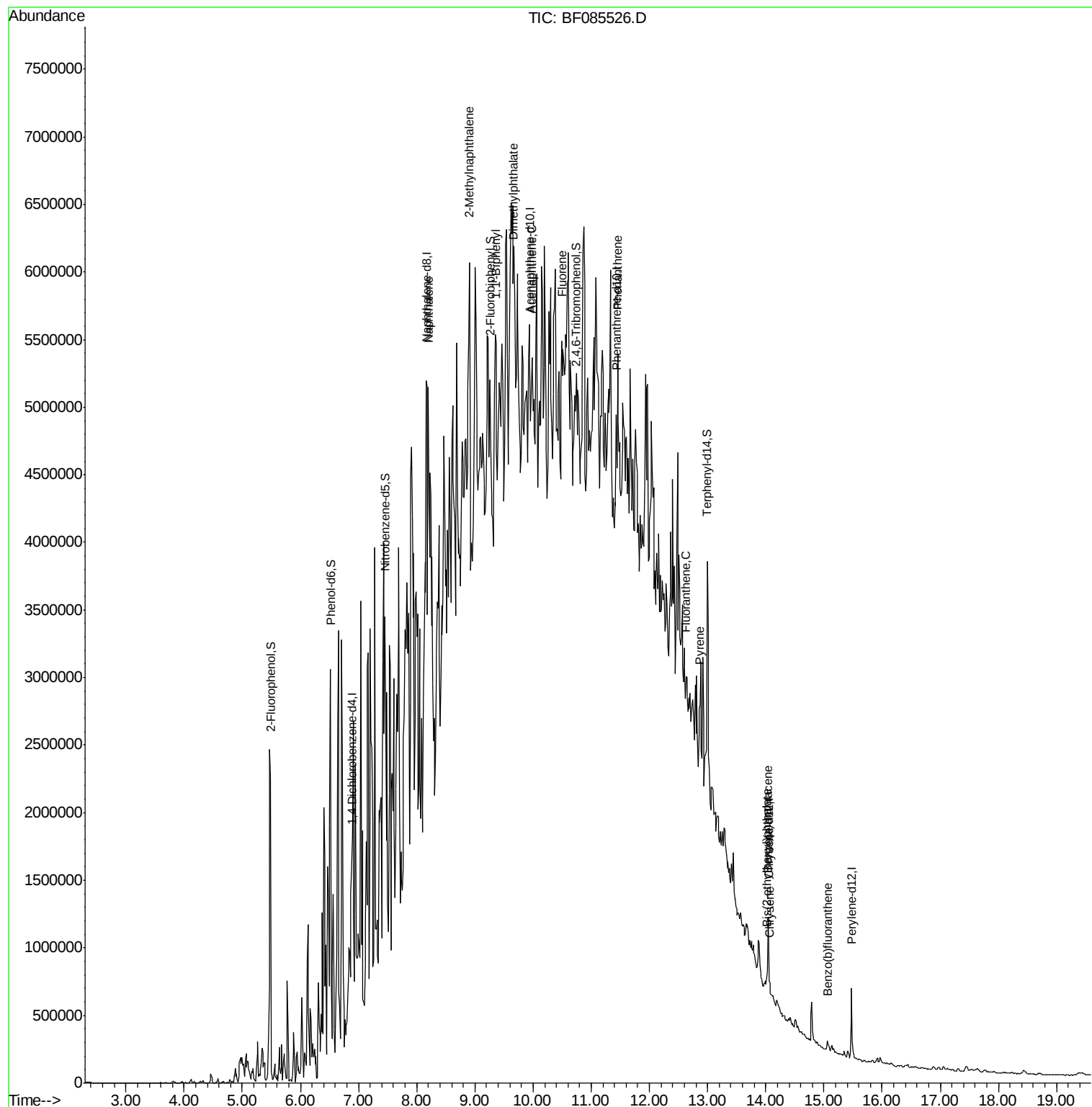
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
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ALS Vial : 46 Sample Multiplier: 1

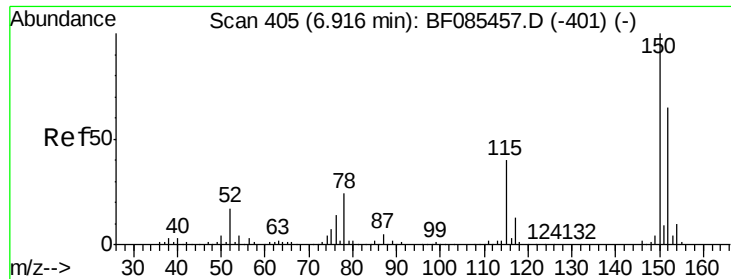
Instrument :
BNA_F
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W170TH-SB-01

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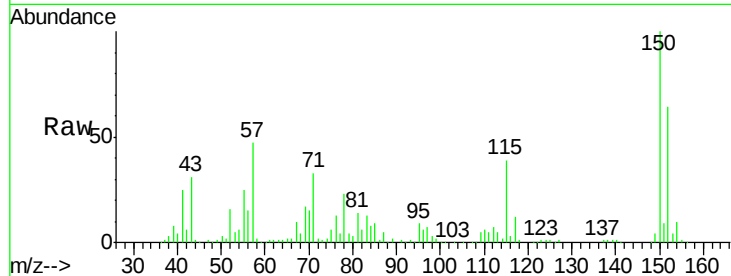




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.03 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32

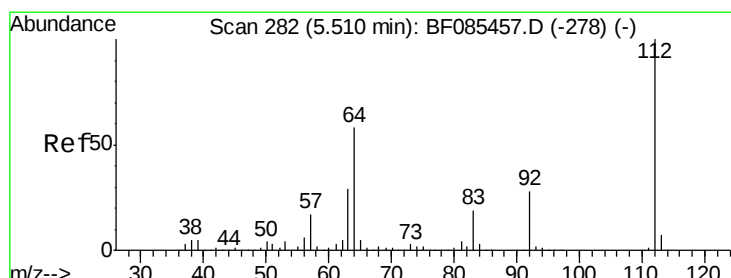
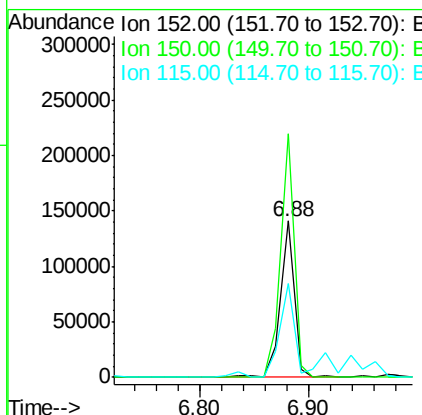
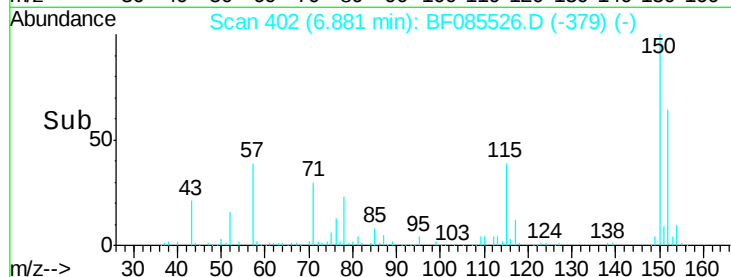
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	125773		
150	155.9	124.6	186.8	
115	60.4	46.6	70.0	

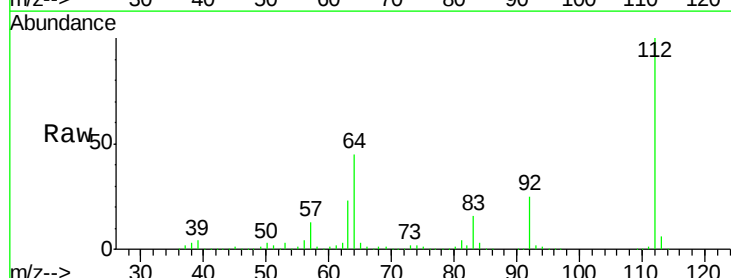
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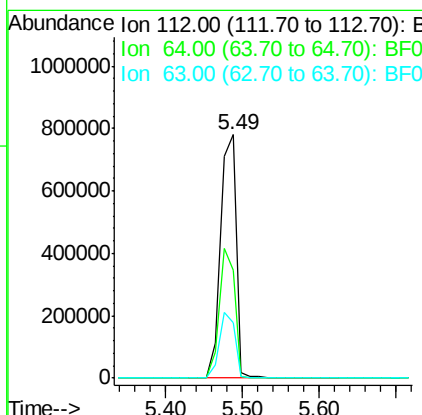
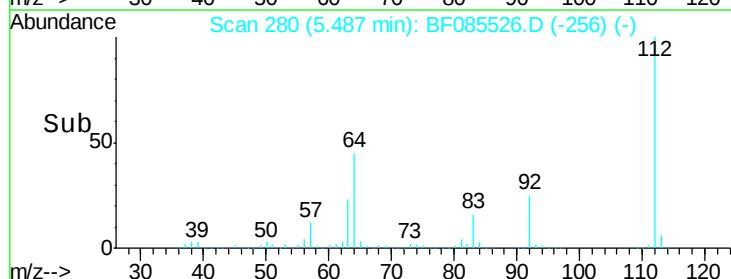


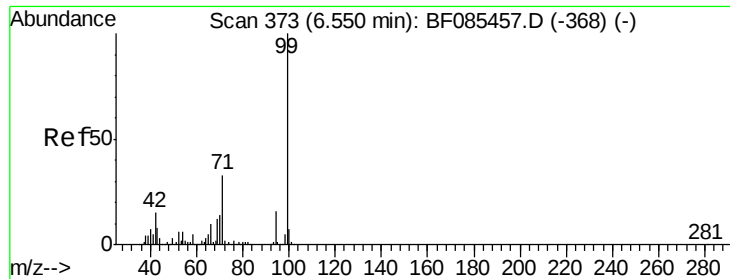
#5

2-Fluorophenol
Concen: 154.04 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1127089		
64	44.5	49.0	73.4#	
63	22.6	24.8	37.2#	





#7

Phenol-d6

Concen: 139.01 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085526.D

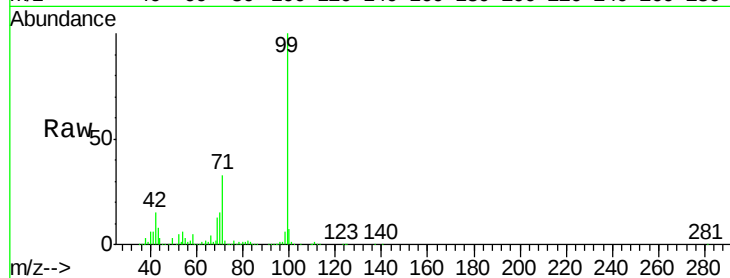
Acq: 18 Mar 2016 8:32

Instrument :

BNA_F

ClientSampled :

W170TH-SB-01



Tgt Ion: 99 Resp: 1319397

Ion Ratio Lower Upper

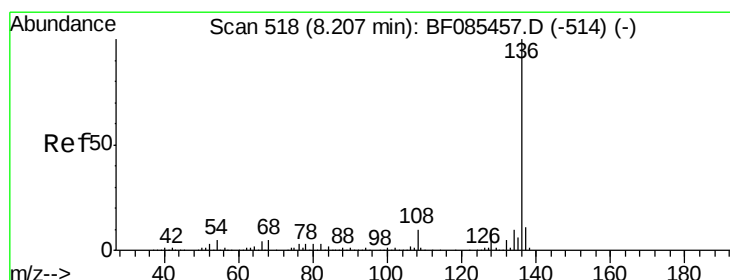
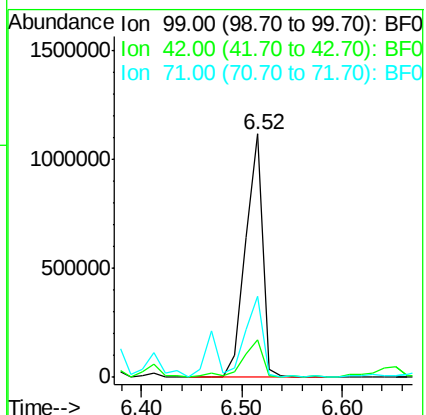
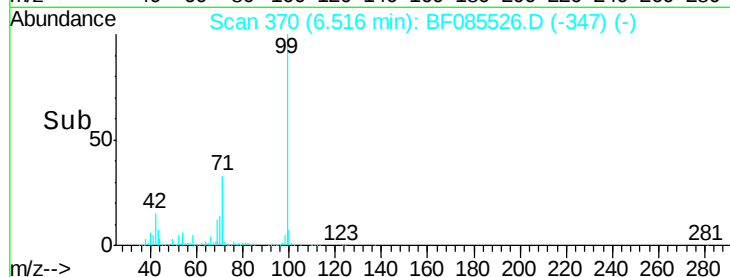
99 100

42 15.2 13.6 20.4

71 33.3 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF085526.D

Acq: 18 Mar 2016 8:32

Tgt Ion: 136 Resp: 306240

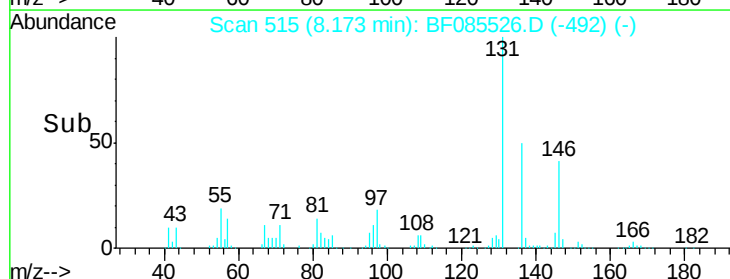
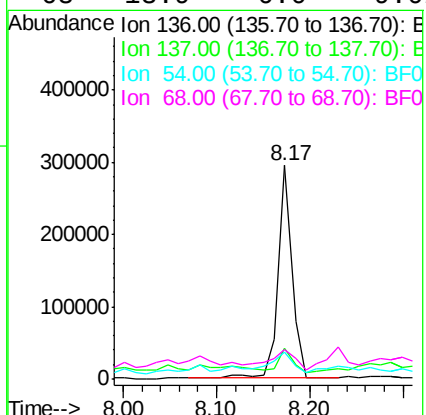
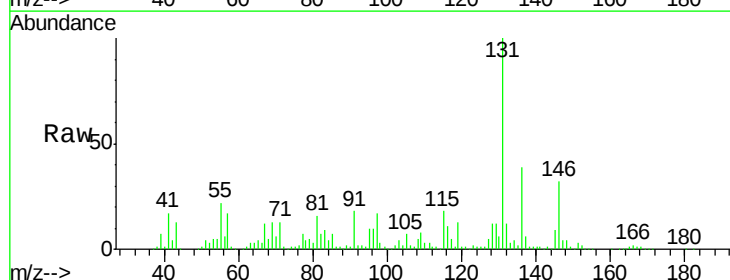
Ion Ratio Lower Upper

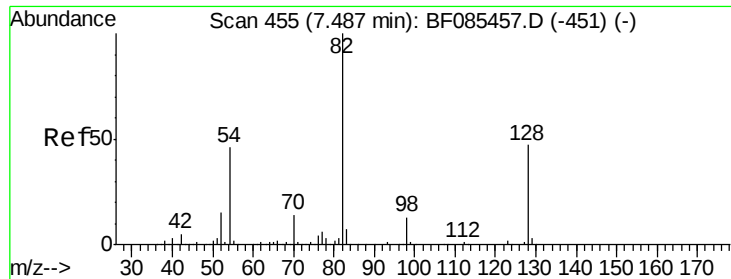
136 100

137 14.4 9.3 13.9#

54 12.8 7.4 11.2#

68 13.9 6.0 9.0#





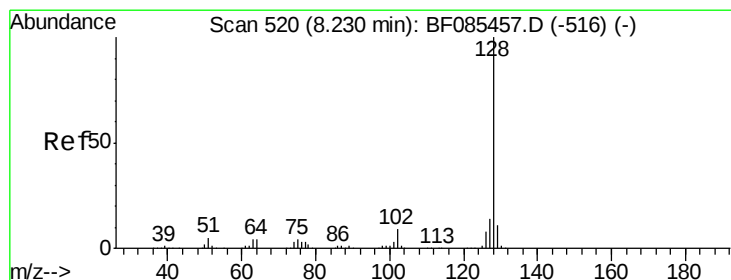
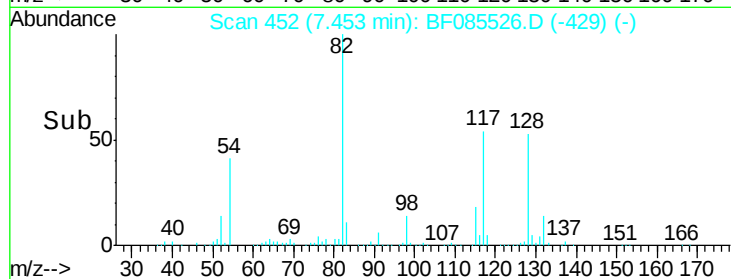
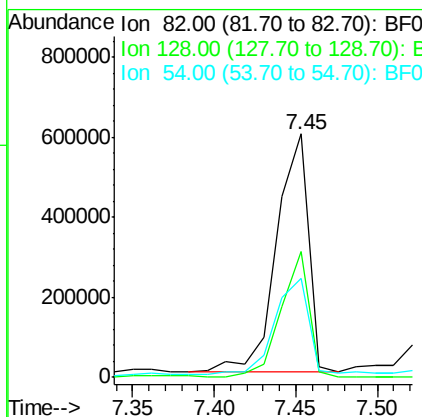
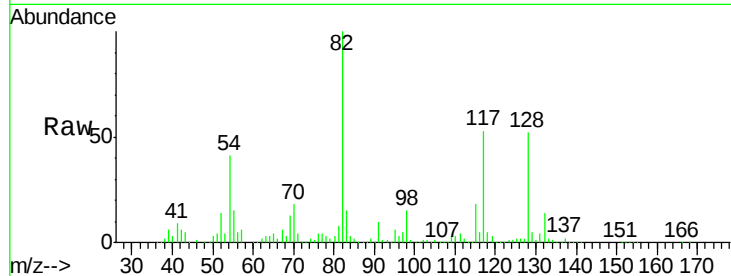
#23
 Nitrobenzene-d5
 Concen: 157.19 ng
 RT: 7.45 min Scan# 452
 Delta R.T. -0.03 min
 Lab File: BF085526.D
 Acq: 18 Mar 2016 8:32

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	814165		
128	51.7	34.5	51.7	
54	40.6	39.3	58.9	

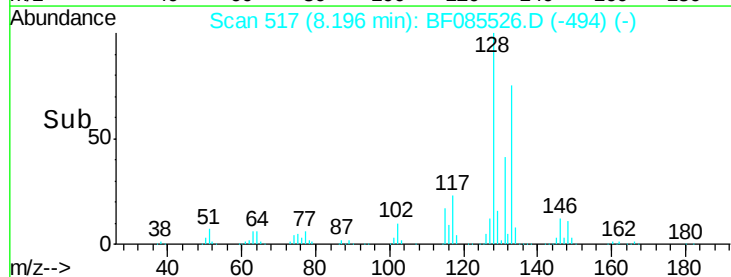
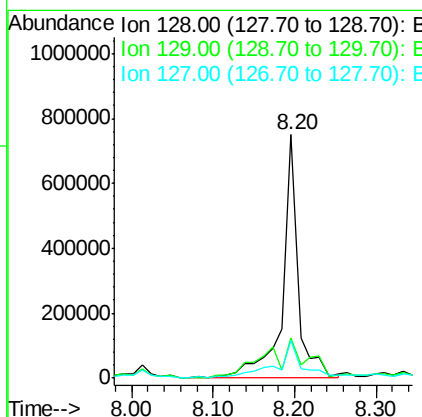
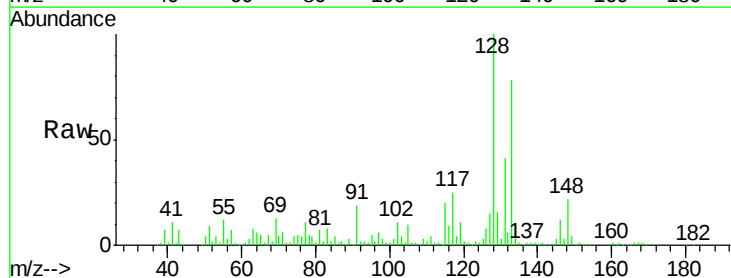
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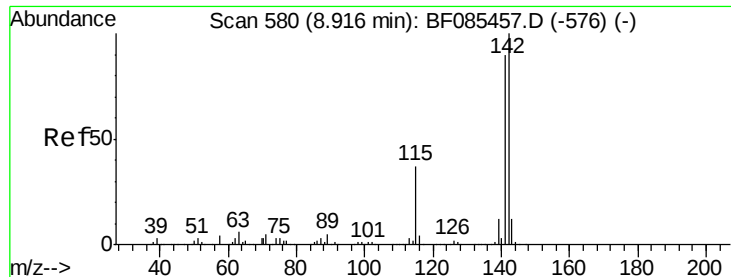
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#31
 Naphthalene
 Concen: 65.44 ng
 RT: 8.20 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: BF085526.D
 Acq: 18 Mar 2016 8:32

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	979271		
129	16.5	9.7	14.5#	
127	15.3	11.2	16.8	





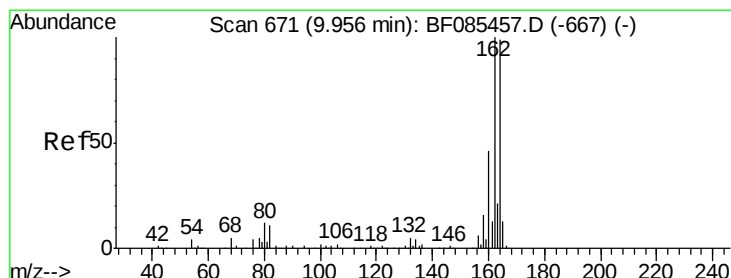
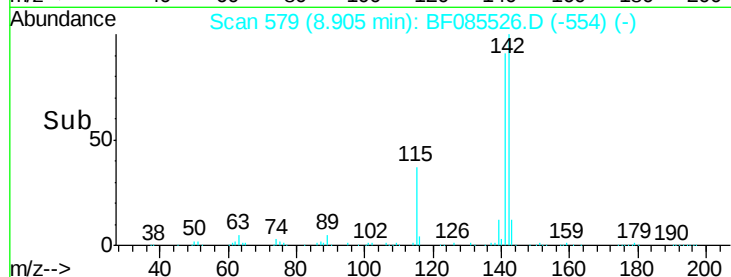
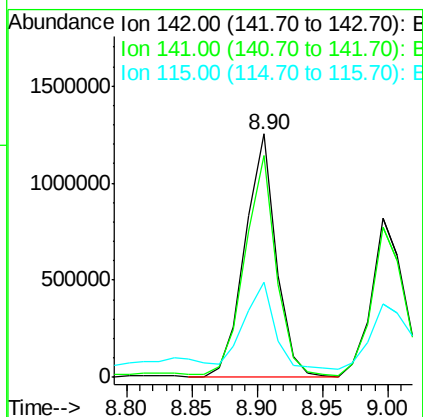
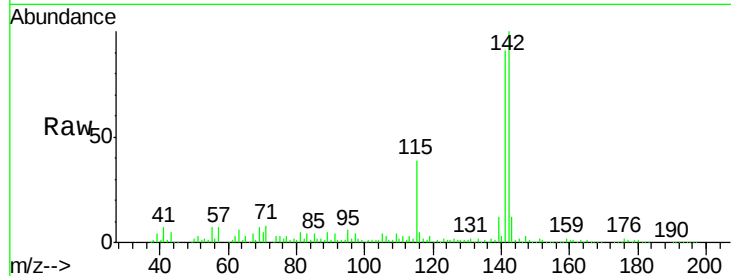
#37
2-Methylnaphthalene
Concen: 218.60 ng
RT: 8.90 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 2071397
Ion Ratio Lower Upper
142 100
141 91.1 71.7 107.5
115 39.0 26.2 39.4

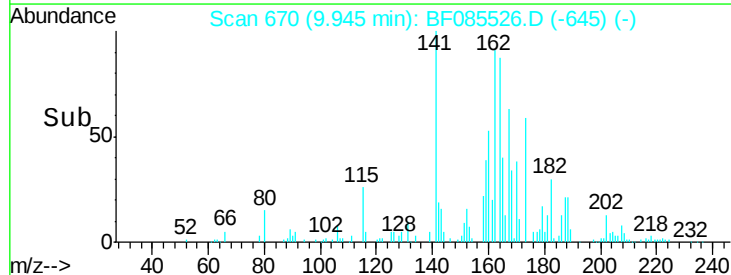
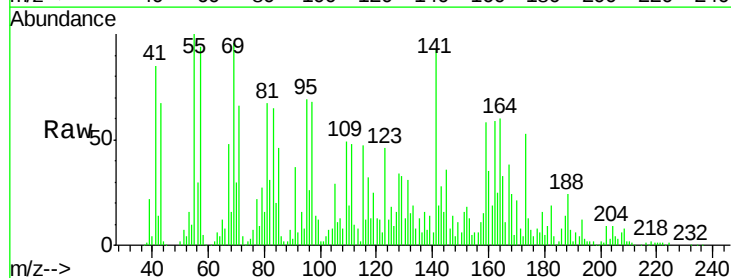
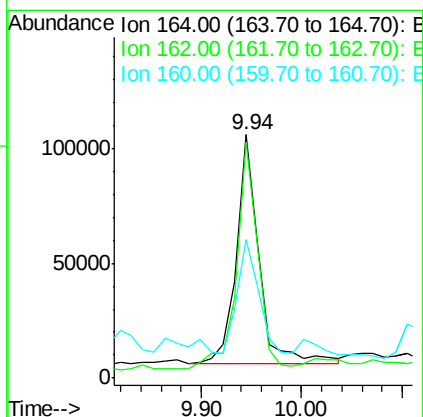
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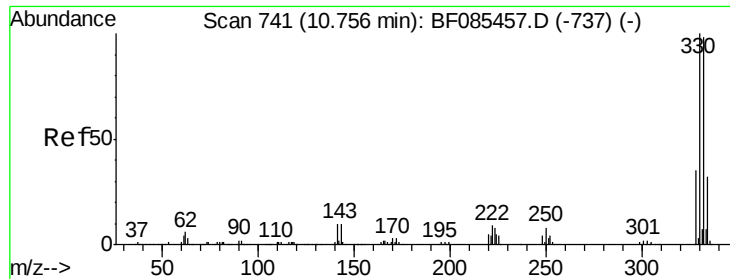
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF085526.D
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Tgt Ion:164 Resp: 154933
Ion Ratio Lower Upper
164 100
162 97.0 83.3 124.9
160 57.1 37.9 56.9#





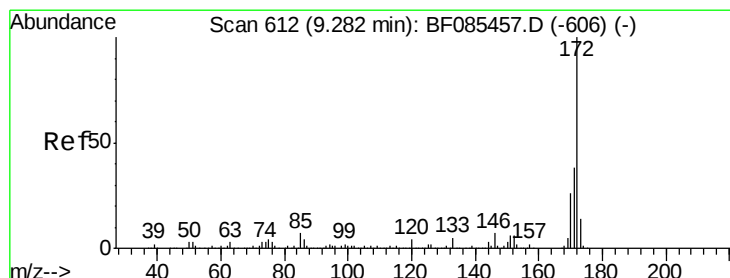
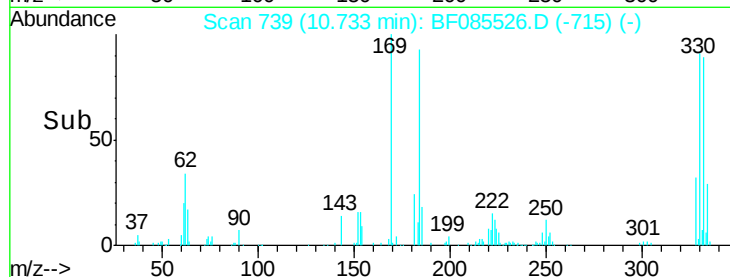
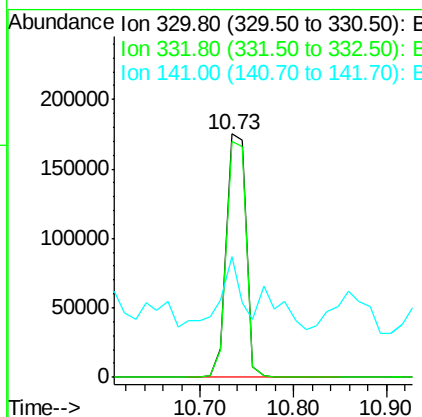
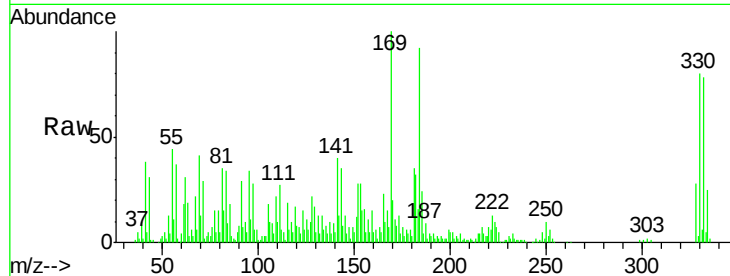
#41
 2,4,6-Tribromophenol
 Concen: 182.02 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085526.D
 Acq: 18 Mar 2016 8:32

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 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	259742		
332	96.9	77.1	115.7	
141	21.0	35.0	52.6	

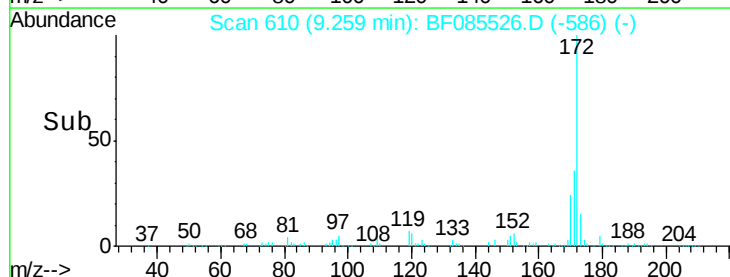
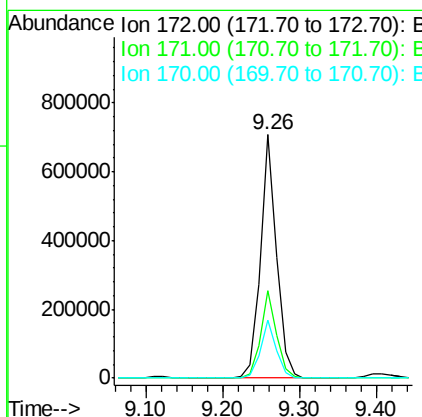
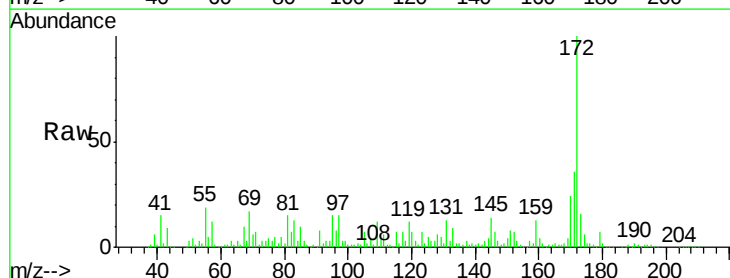
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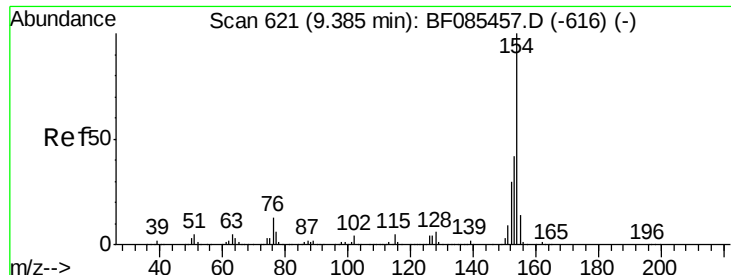
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#44
 2-Fluorobiphenyl
 Concen: 112.82 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF085526.D
 Acq: 18 Mar 2016 8:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1007578		
171	36.0	29.3	43.9	
170	23.7	20.0	30.0	





#45

1,1'-Biphenyl

Concen: 16.42 ng

RT: 9.36 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF085526.D

Acq: 18 Mar 2016 8:32

Instrument :

BNA_F

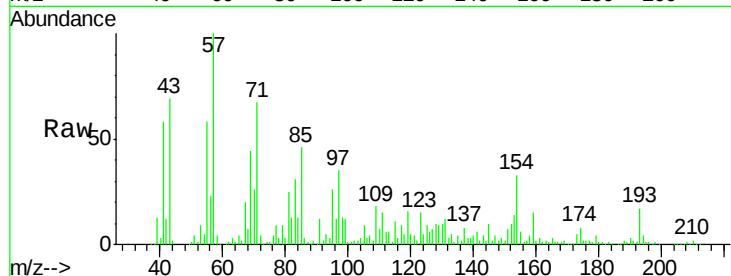
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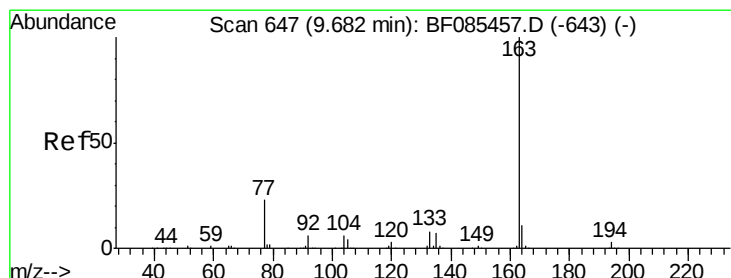
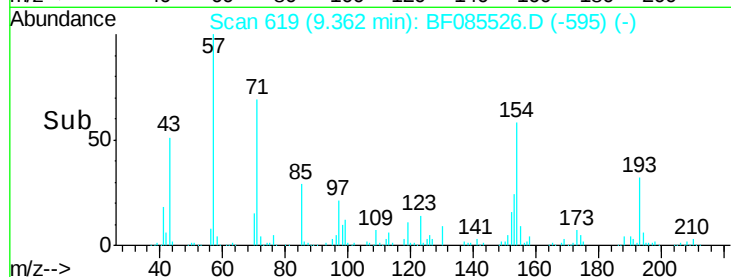
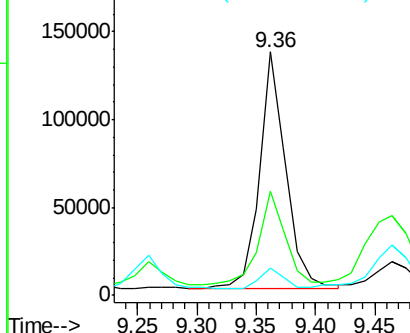
Tgt Ion:	154	Resp:	207612
Ion Ratio	Lower	Upper	
154	100		
153	42.5	21.4	61.4
76	11.4	0.0	37.5

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 16.36 ng

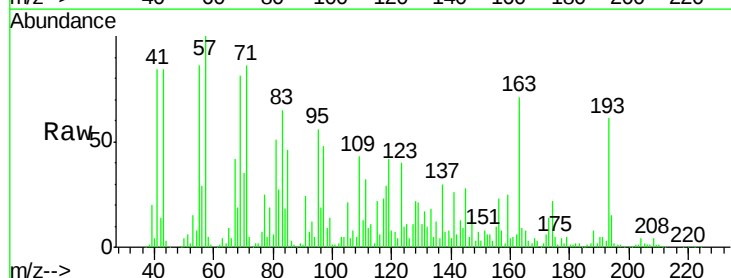
RT: 9.66 min Scan# 645

Delta R.T. -0.02 min

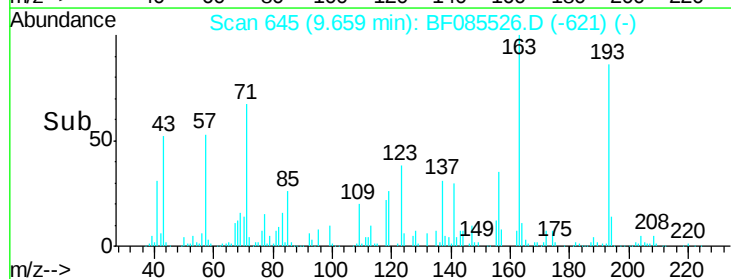
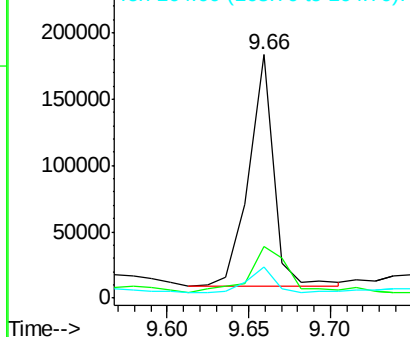
Lab File: BF085526.D

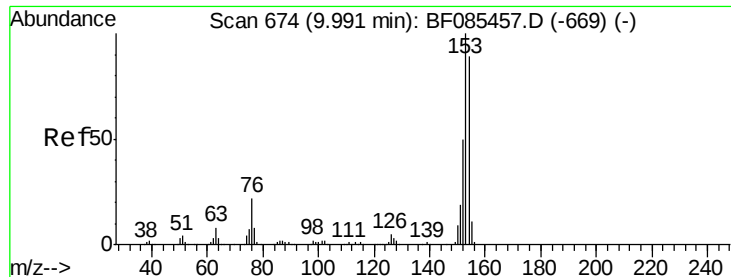
Acq: 18 Mar 2016 8:32

Tgt Ion:	163	Resp:	184905
Ion Ratio	Lower	Upper	
163	100		
194	21.1	3.1	4.7#
164	12.6	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





#51

Acenaphthene

Concen: 19.63 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF085526.D

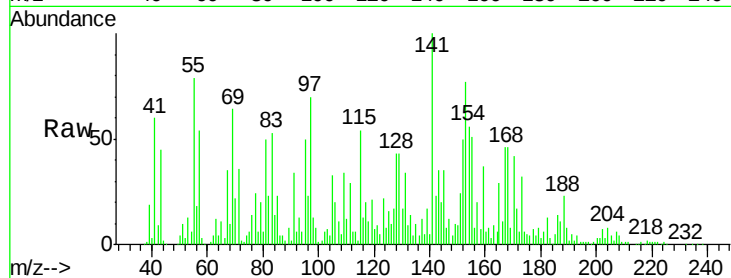
Acq: 18 Mar 2016 8:32

Instrument :

BNA_F

ClientSampleId :

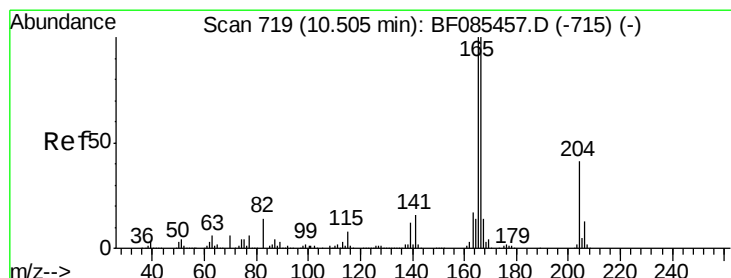
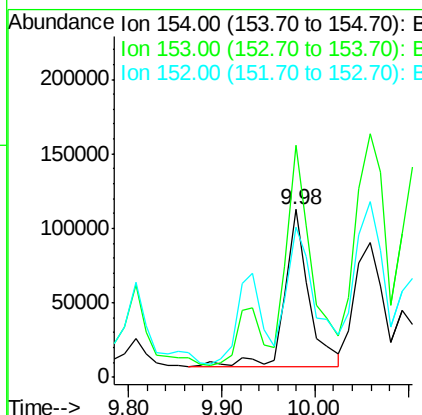
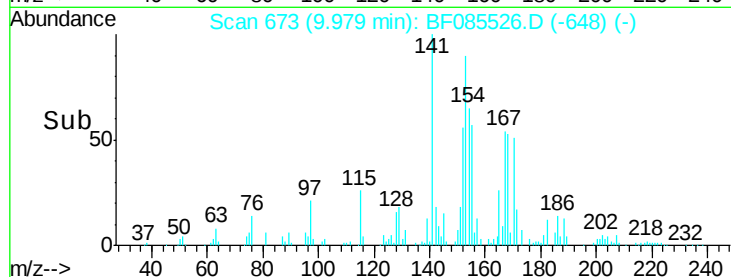
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	189191		
153	138.3	89.8	134.8#	
152	89.9	44.6	66.8#	

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#57

Fluorene

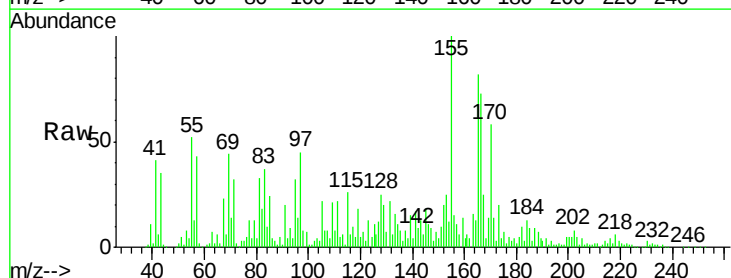
Concen: 30.53 ng

RT: 10.49 min Scan# 718

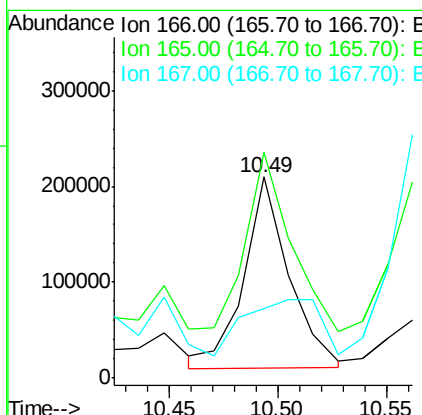
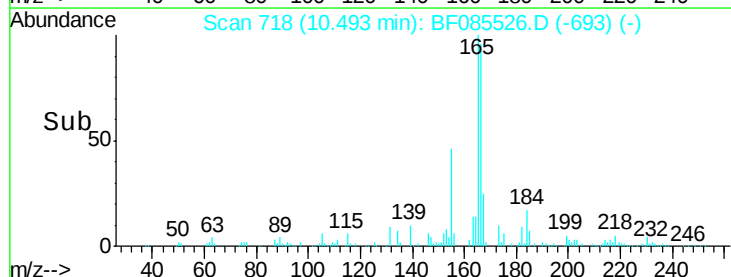
Delta R.T. -0.01 min

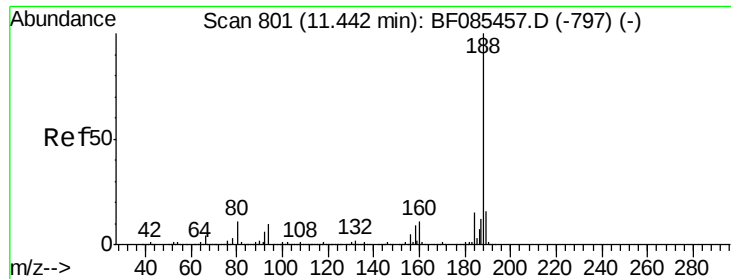
Lab File: BF085526.D

Acq: 18 Mar 2016 8:32



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	288191		
165	112.1	79.4	119.0	
167	34.8	11.0	16.6#	





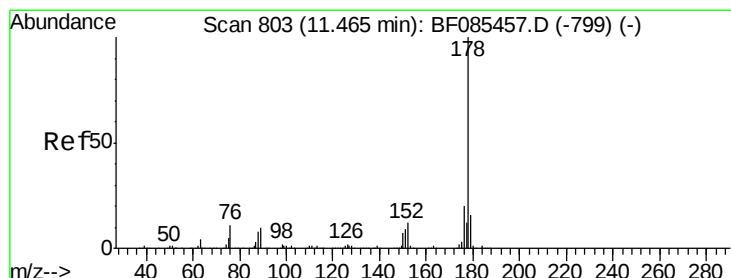
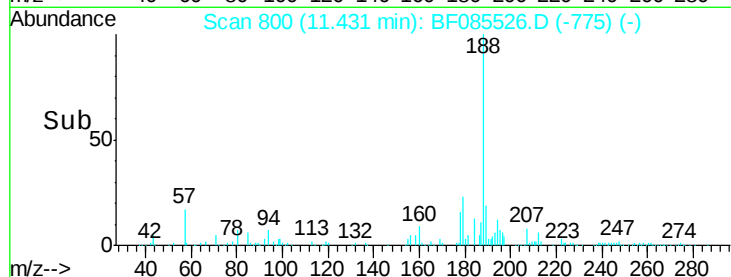
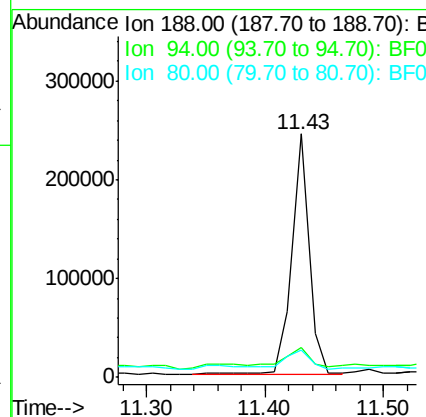
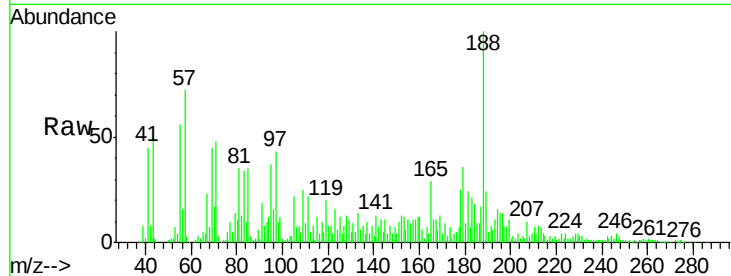
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	7.0	10.6#
80	11.3	7.4	11.0#

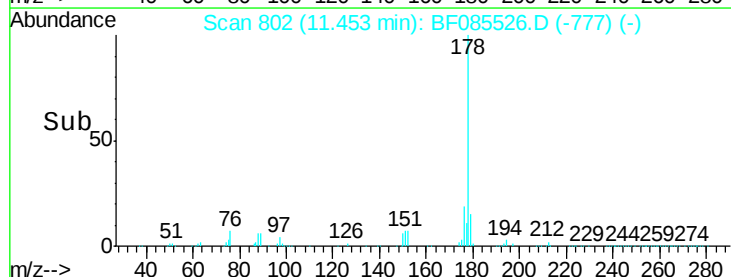
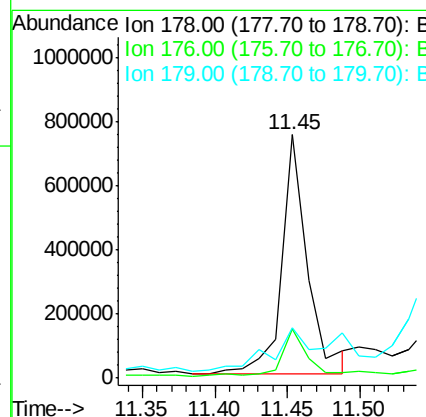
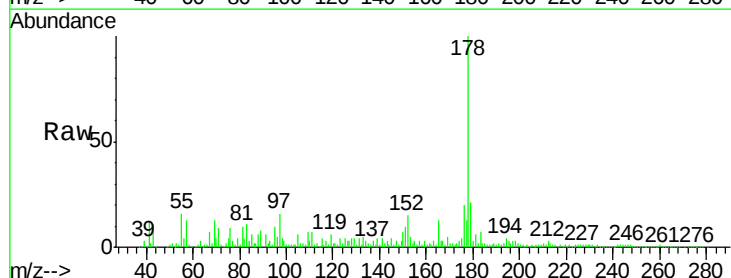
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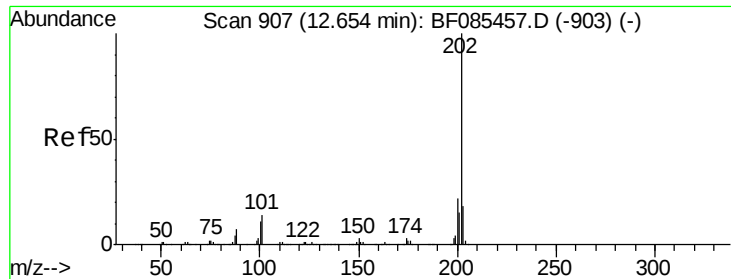
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#70
Phenanthrene
Concen: 71.36 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	16.8	25.2
179	20.5	13.1	19.7#





#74

Fluoranthene

Concen: 8.23 ng

RT: 12.63 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF085526.D

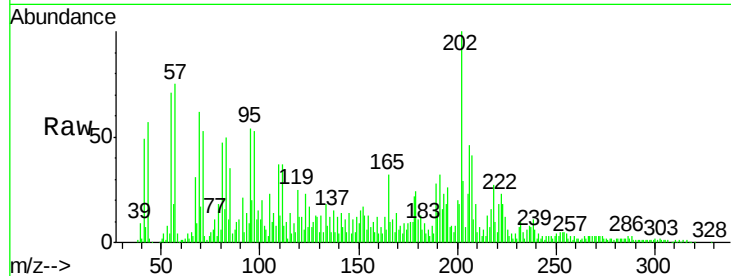
Acq: 18 Mar 2016 8:32

Instrument :

BNA_F

ClientSampled :

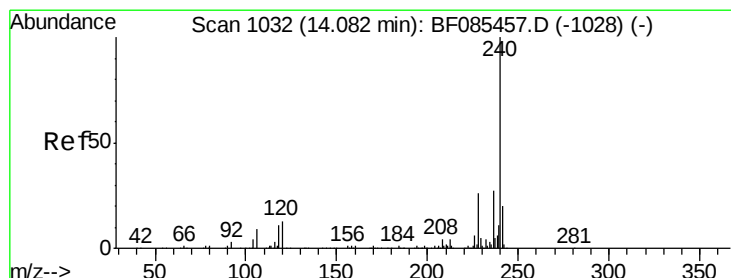
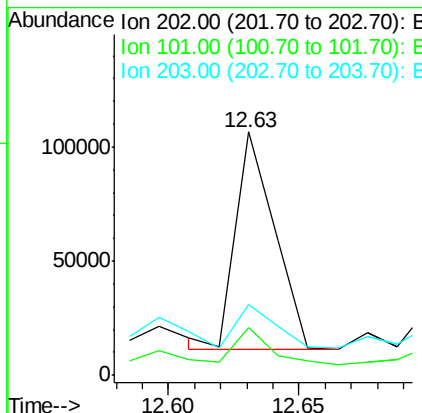
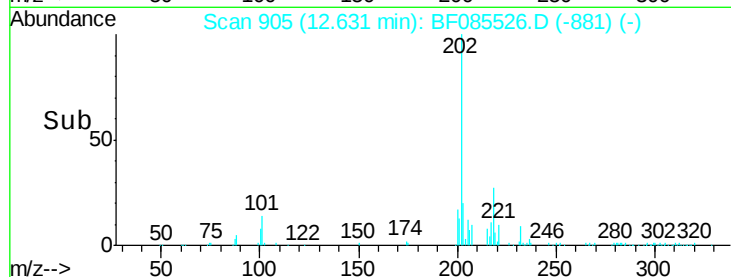
W170TH-SB-01



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		99558		
101	19.7	0.0	31.8		
203	29.0	0.0	38.4		

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#75

Chrysene-d12

Concen: 20.00 ng

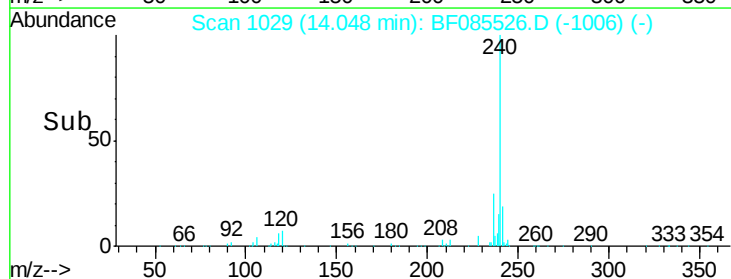
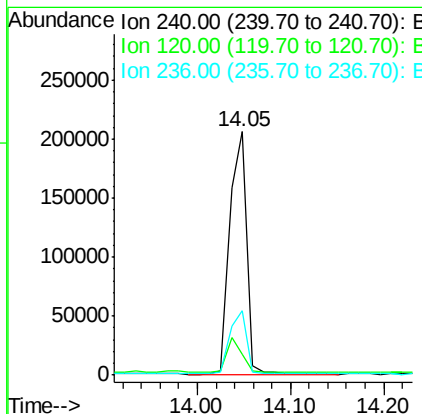
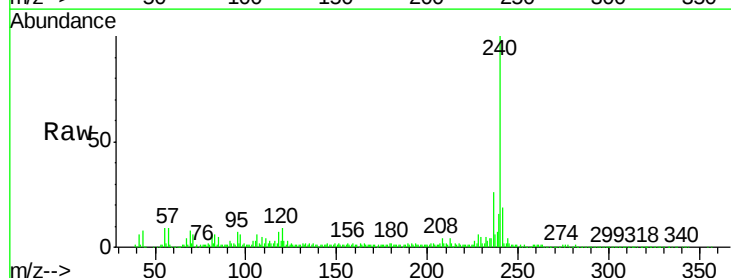
RT: 14.05 min Scan# 1029

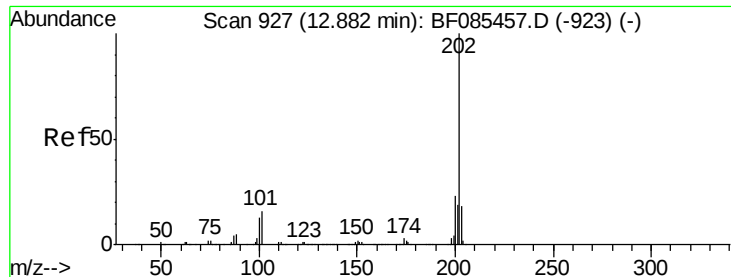
Delta R.T. -0.03 min

Lab File: BF085526.D

Acq: 18 Mar 2016 8:32

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		258829		
120	8.6	5.3	7.9#		
236	26.3	20.7	31.1		





#77

Pyrene

Concen: 14.23 ng

RT: 12.86 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF085526.D

Acq: 18 Mar 2016 8:32

Instrument :

BNA_F

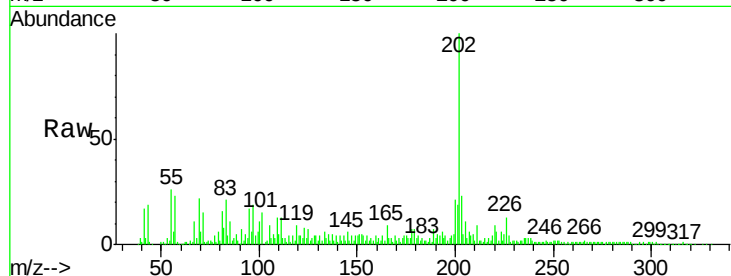
ClientSampleId :

W170TH-SB-01

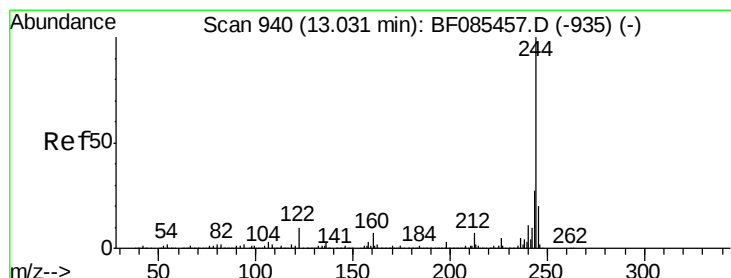
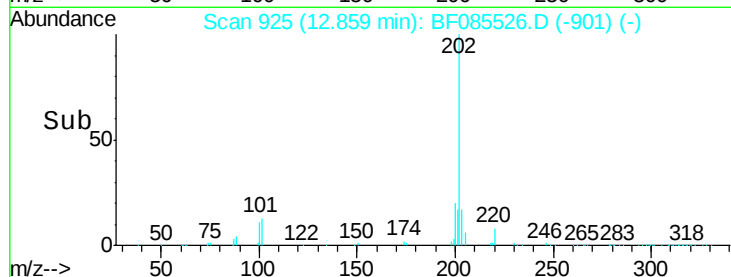
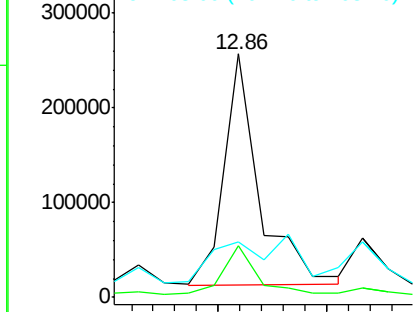
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		276230		
200	21.3	18.2	27.4		
203	22.6	14.7	22.1#		

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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: 70.01 ng

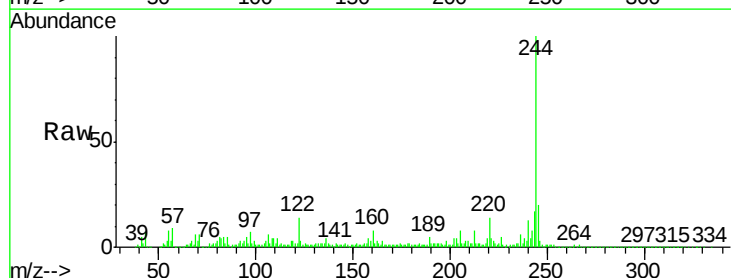
RT: 13.00 min Scan# 937

Delta R.T. -0.03 min

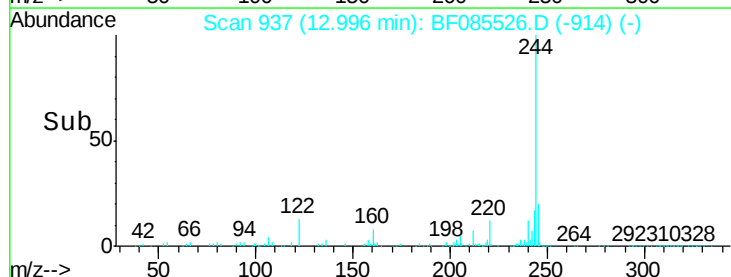
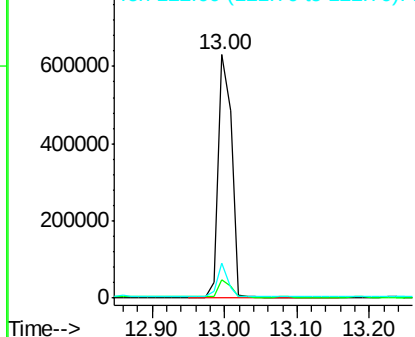
Lab File: BF085526.D

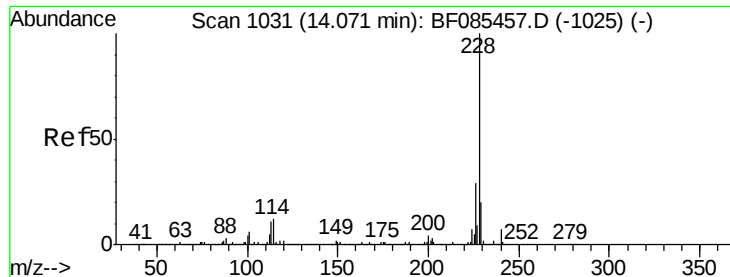
Acq: 18 Mar 2016 8:32

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		801032		
212	7.6	6.4	9.6		
122	14.1	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





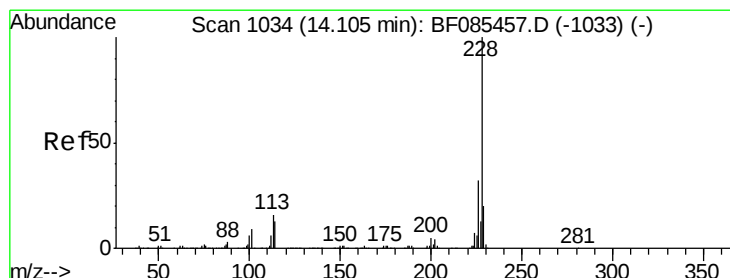
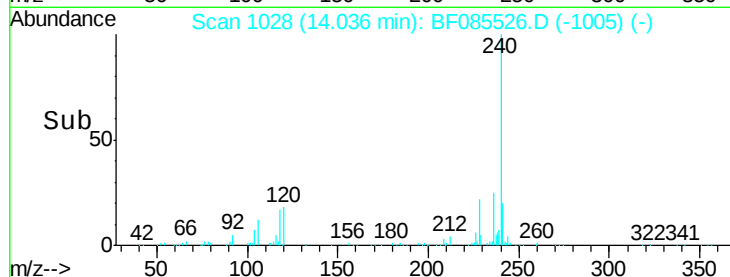
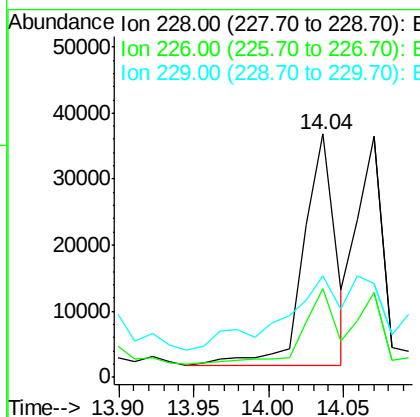
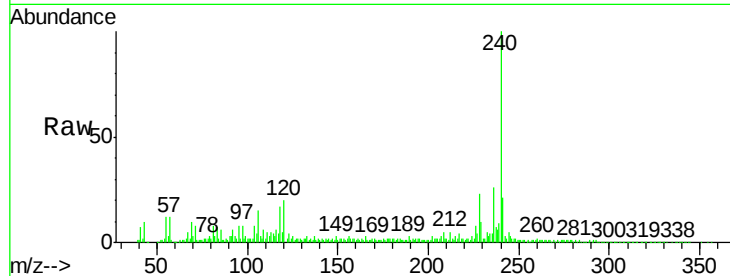
#80
Benzo(a)anthracene
Concen: 3.49 ng m
RT: 14.04 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-01

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	36.4	22.8	34.2#
229	41.9	16.6	24.8#

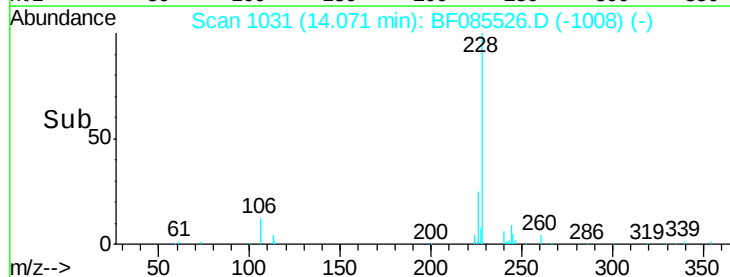
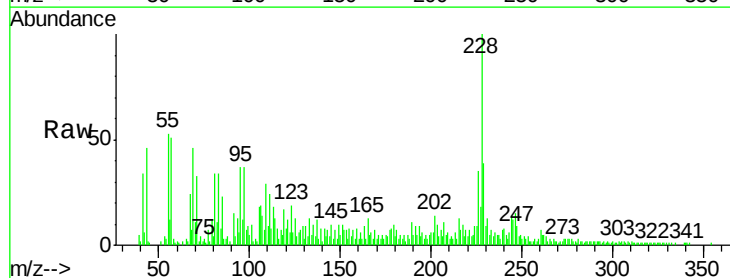
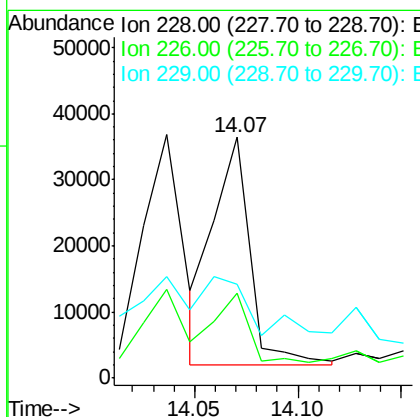
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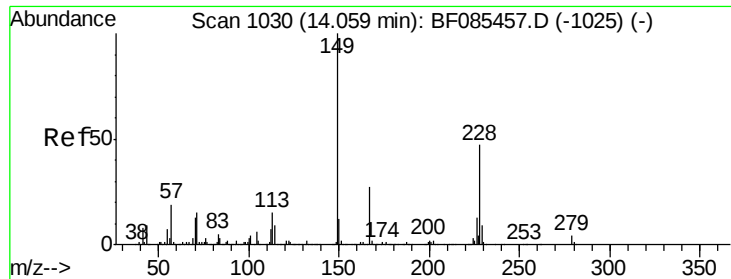
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#82
Chrysene
Concen: 3.22 ng m
RT: 14.07 min Scan# 1031
Delta R.T. -0.03 min
Lab File: BF085526.D
Acq: 18 Mar 2016 8:32

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	35.4	25.2	37.8
229	38.7	16.0	24.0#





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.82 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF085526.D

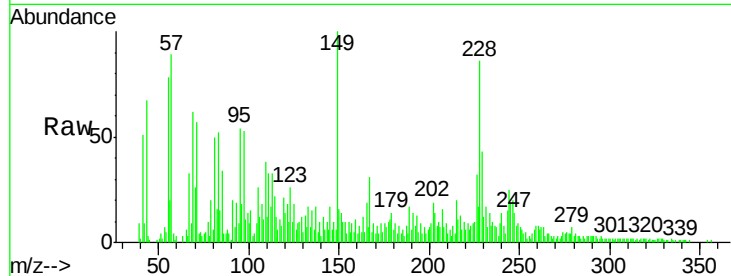
Acq: 18 Mar 2016 8:32

Instrument :

BNA_F

ClientSampleId :

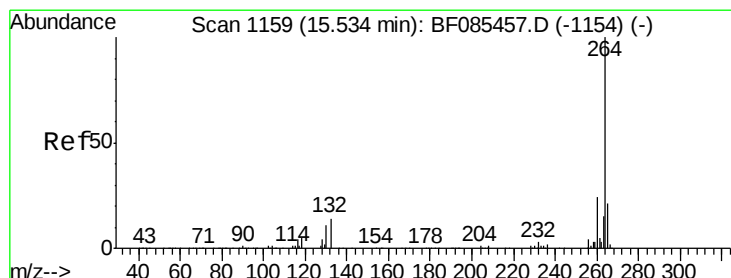
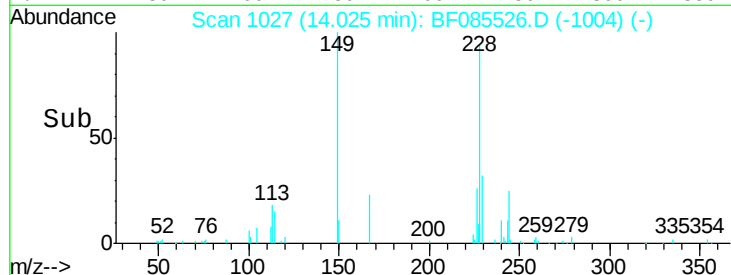
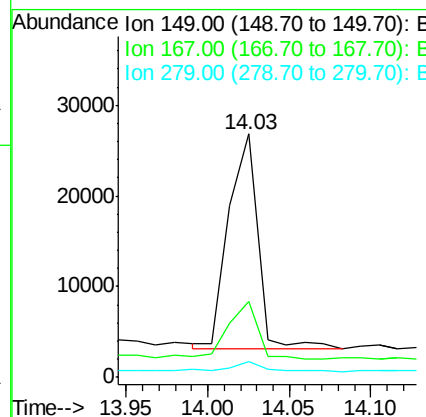
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Tgt Ion:	149	Resp:	29163
Ion Ratio	Lower	Upper	
149	100		
167	31.1	20.3	30.5#
279	6.6	1.9	2.9#

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#86

Perylene-d12

Concen: 20.00 ng

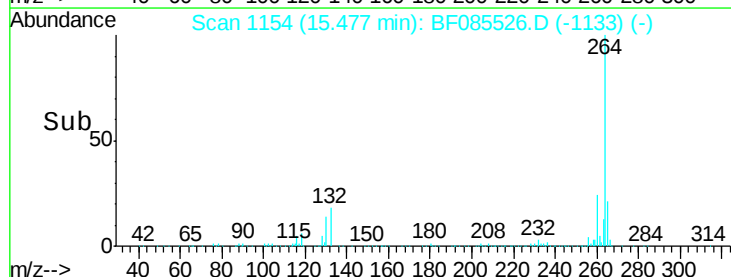
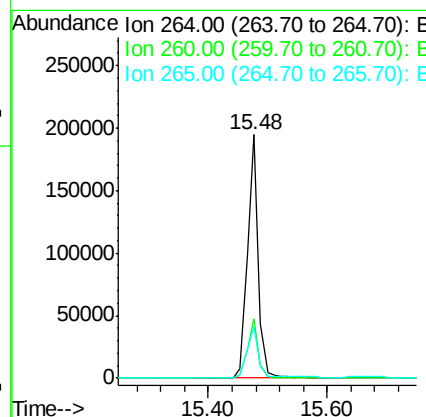
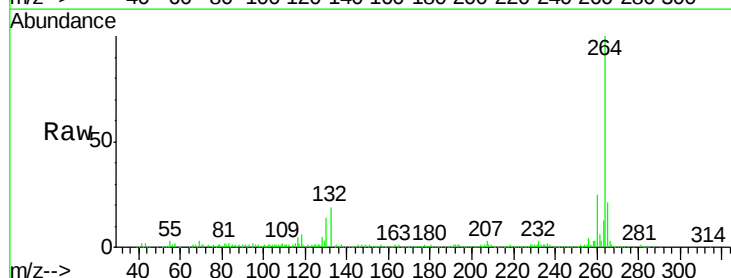
RT: 15.48 min Scan# 1154

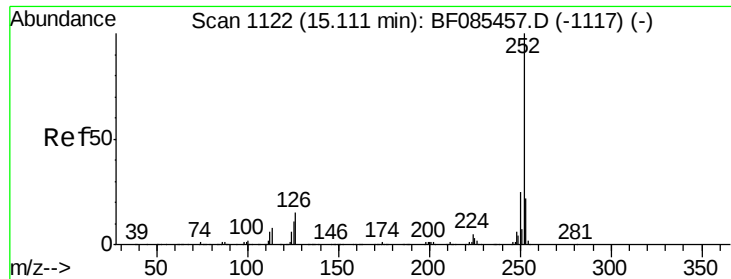
Delta R.T. -0.06 min

Lab File: BF085526.D

Acq: 18 Mar 2016 8:32

Tgt Ion:	264	Resp:	246749
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	21.0	17.3	25.9





#87
 Benzo(b)fluoranthene
 Concen: 2.59 ng m
 RT: 15.07 min Scan# 1118
 Delta R.T. -0.05 min
 Lab File: BF085526.D
 Acq: 18 Mar 2016 8:32

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.6
125	18.5	11.3	16.9

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