

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087073.D
 Acq On : 15 May 2016 16:55
 Operator : UM/SJ
 Sample : H2977-06
 Misc :
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Manual Integrations
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Quant Time: May 16 06:54:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 16 05:03:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	160887	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	594356	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	243464	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	438169	20.00	ng	0.00
75) Chrysene-d12	13.76	240	401635	20.00	ng	0.00
86) Perylene-d12	15.12	264	367112	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1138809	119.87	ng	0.01
7) Phenol-d6	6.30	99	1570730	123.71	ng	0.01
23) Nitrobenzene-d5	7.19	82	889925	75.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	289623	112.37	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1272031	87.81	ng	0.00
78) Terphenyl-d14	12.72	244	1049086	55.42	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.16	77	41130	5.59	ng	90
49) Dimethylphthalate	9.38	163	337828	18.19	ng	100
70) Phenanthrene	11.15	178	192868	8.25	ng	98
71) Anthracene	11.20	178	54464	2.28	ng	97
74) Fluoranthene	12.33	202	626009	26.03	ng	99
77) Pyrene	12.56	202	576136	18.74	ng	99
80) Benzo(a)anthracene	13.75	228	360245	15.98	ng	98
82) Chrysene	13.78	228	253114	11.04	ng	98
83) Bis(2-ethylhexyl)phthalate	13.75	149	33340	2.13	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.37	276	140488	7.36	ng	# 88
87) Benzo(b)fluoranthene	14.75	252	413022m	17.31	ng	
88) Benzo(k)fluoranthene	14.78	252	154061m	7.89	ng	
89) Benzo(a)pyrene	15.06	252	283525m	13.78	ng	
91) Benzo(g,h,i)perylene	16.74	276	115953	6.58	ng	95

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

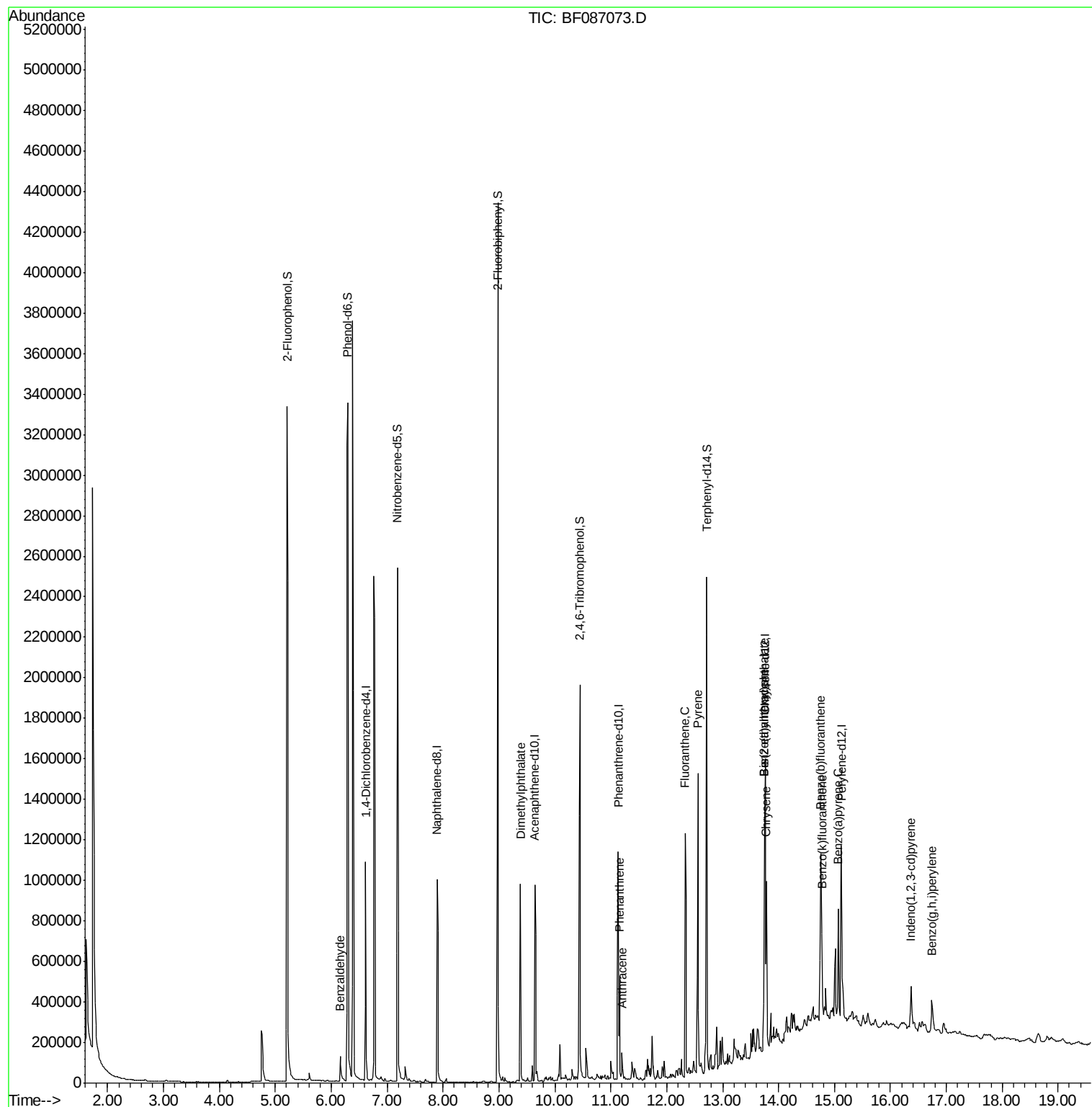
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087073.D
Acq On : 15 May 2016 16:55
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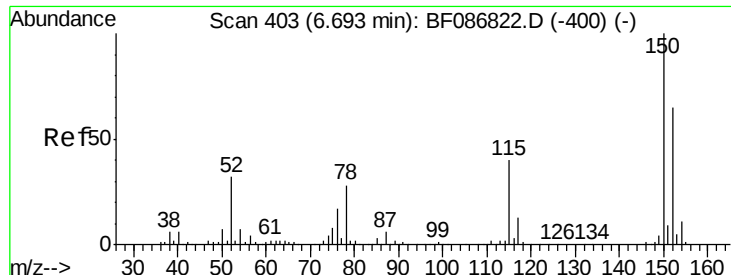
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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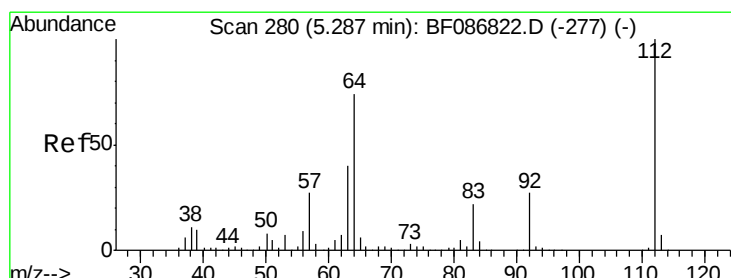
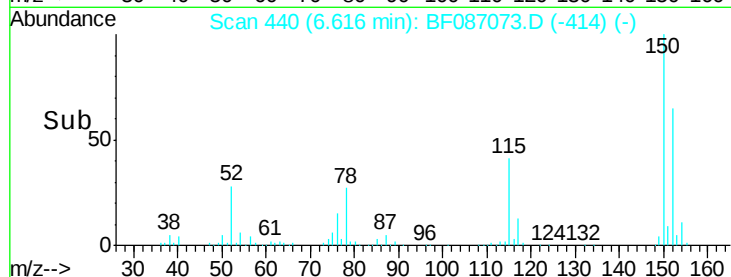
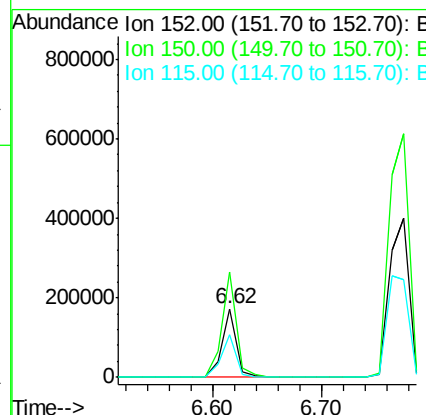
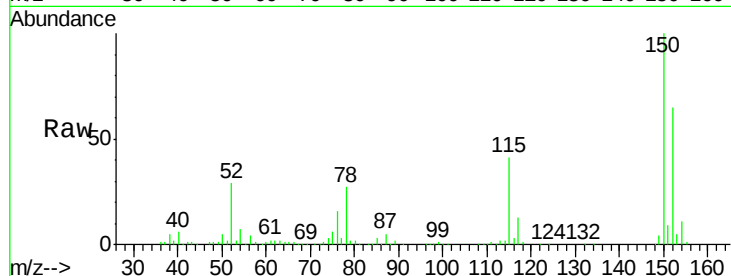
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.8	188.6
115	62.2	51.5	77.3

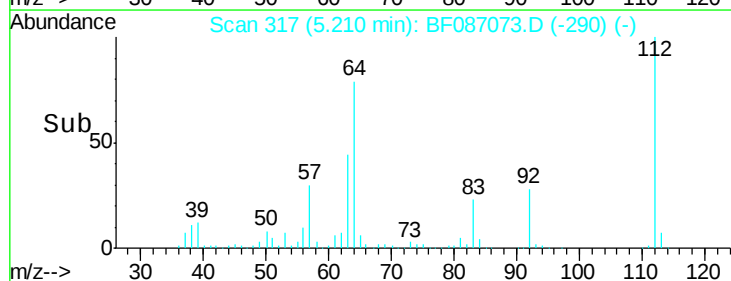
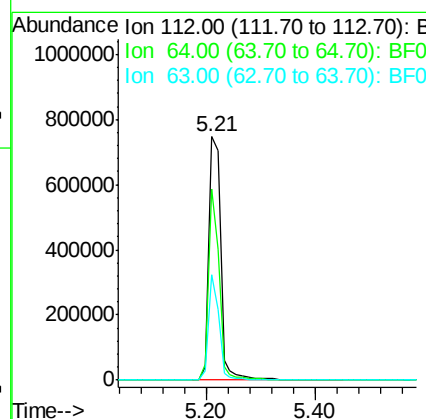
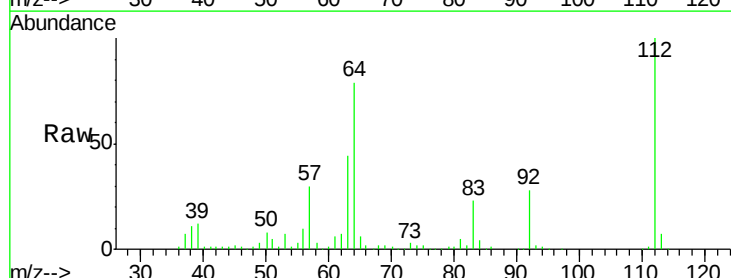
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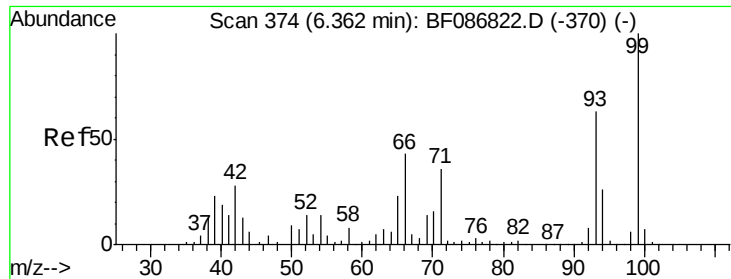
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#5
 2-Fluorophenol
 Concen: 119.87 ng
 RT: 5.21 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.8	52.1	78.1#
63	43.5	25.7	38.5#





#7

Phenol-d6

Concen: 123.71 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

Tgt Ion: 99 Resp: 1570730

Ion Ratio Lower Upper

99 100

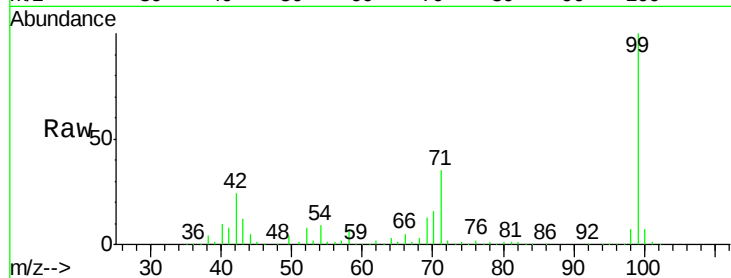
42 23.6 13.6 20.4#

71 35.0 24.6 36.8

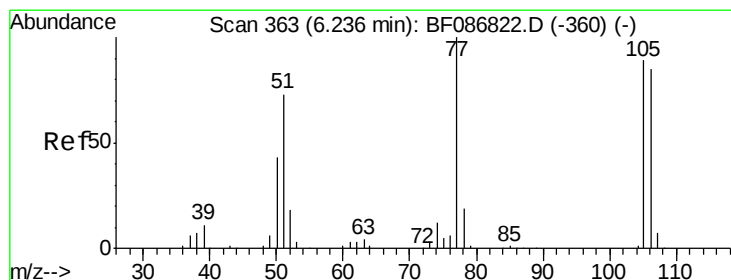
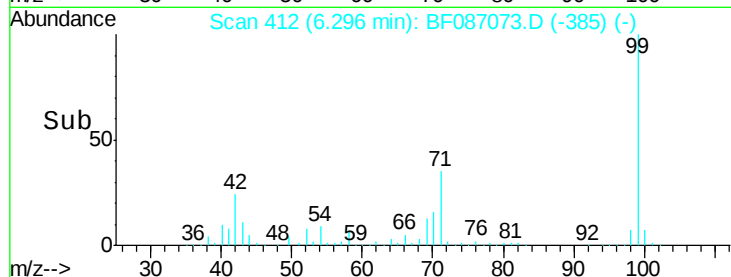
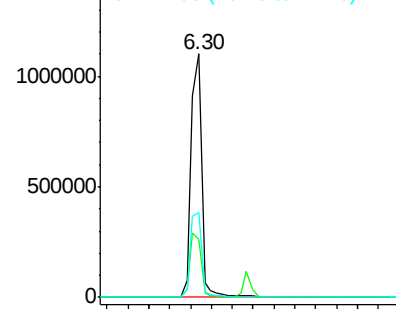
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 5.59 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

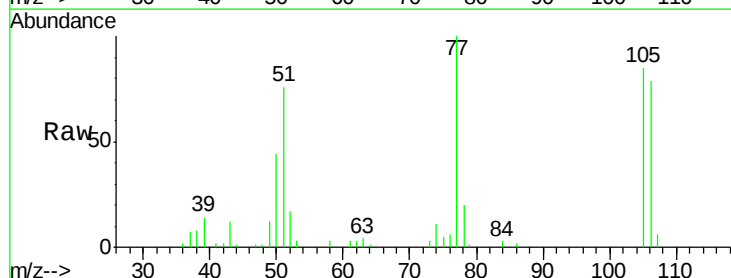
Tgt Ion: 77 Resp: 41130

Ion Ratio Lower Upper

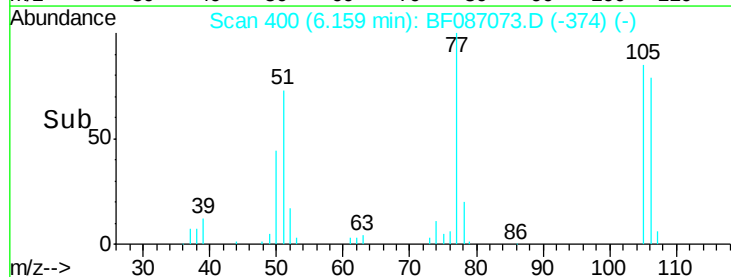
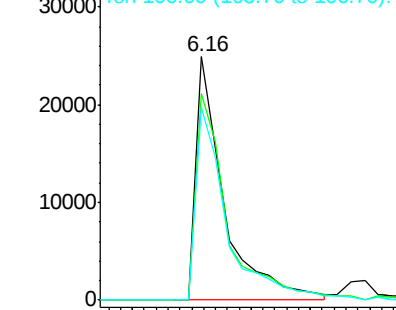
77 100

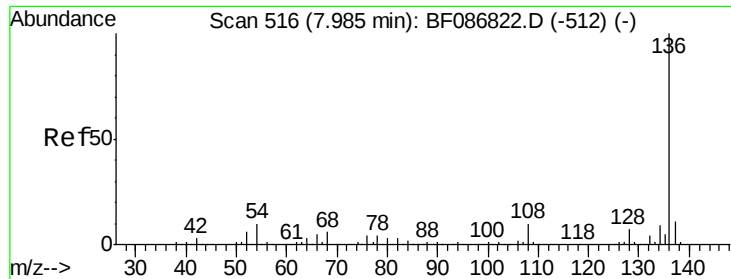
105 84.8 72.7 112.7

106 78.9 70.8 110.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





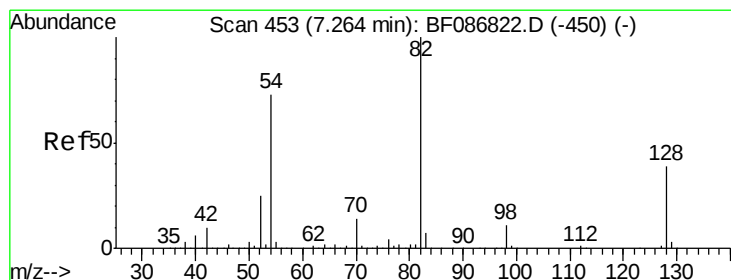
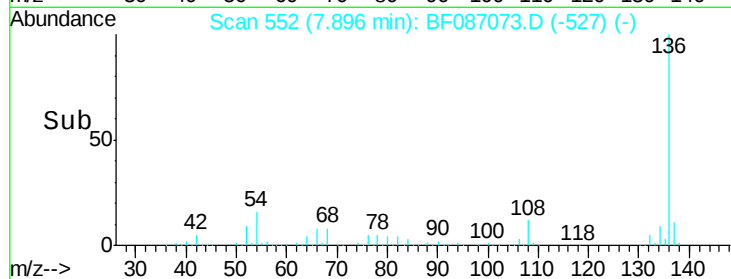
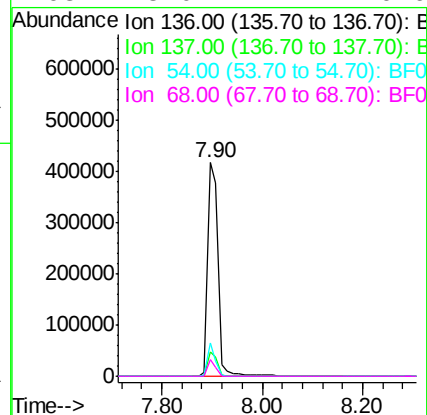
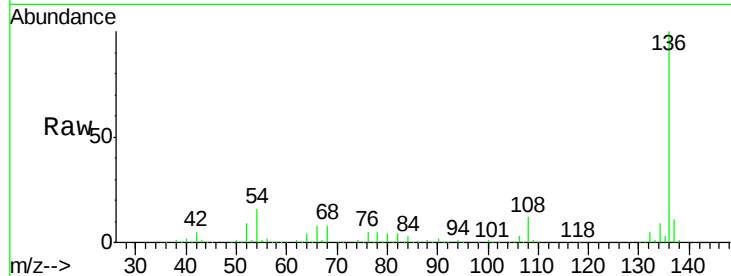
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	594356		
137	11.3	8.8	13.2	
54	15.7	5.0	7.4#	
68	8.0	4.4	6.6#	

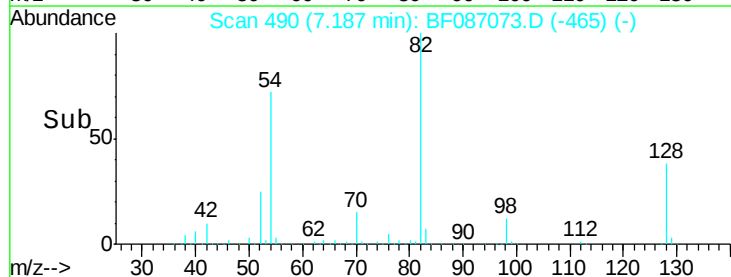
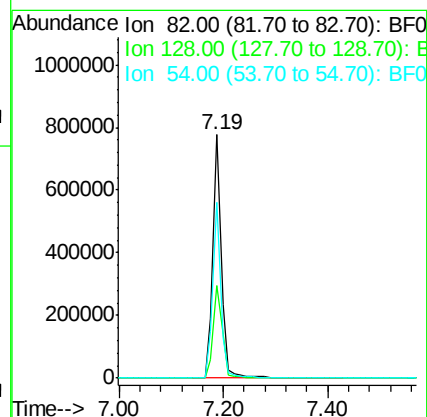
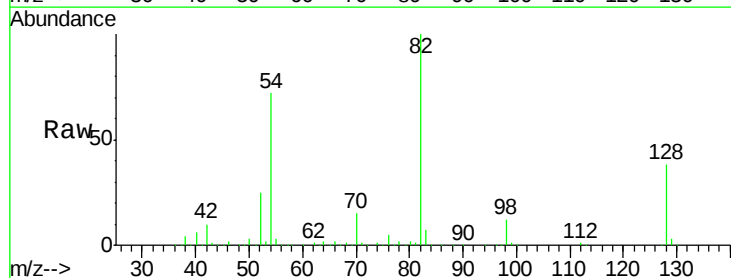
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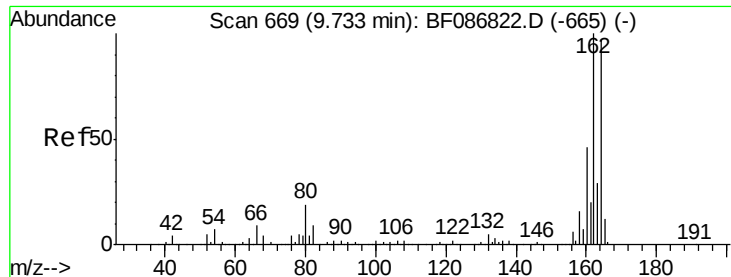
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#23
Nitrobenzene-d5
Concen: 75.18 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	889925		
128	37.9	40.6	61.0#	
54	72.4	38.1	57.1#	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF087073.D

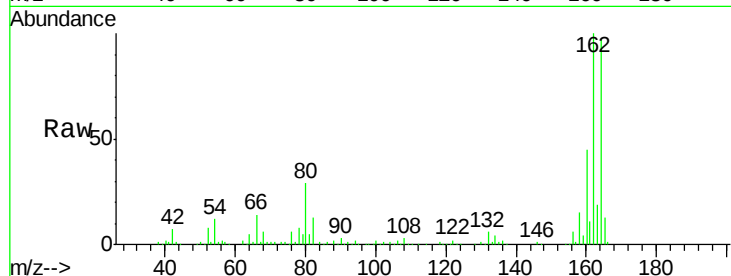
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Instrument :

BNA_F

ClientSampleId :

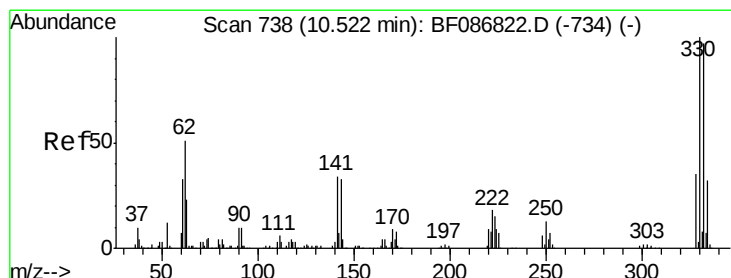
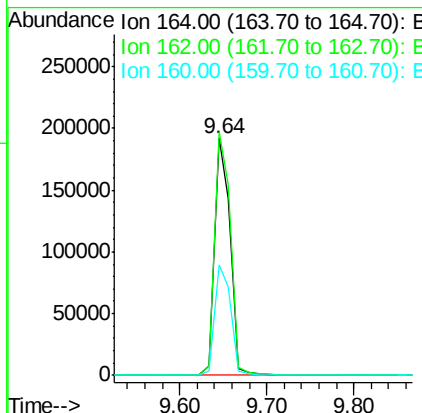
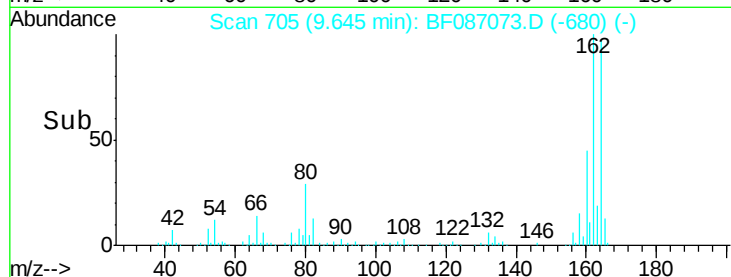
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Tgt Ion:	164	Resp:	243464
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.8	124.2
160	46.4	36.9	55.3

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#41

2,4,6-Tribromophenol

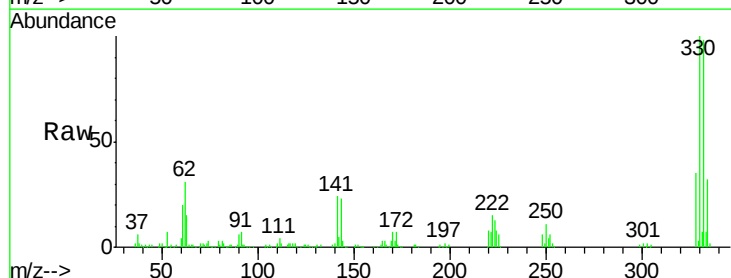
Concen: 112.37 ng

RT: 10.44 min Scan# 775

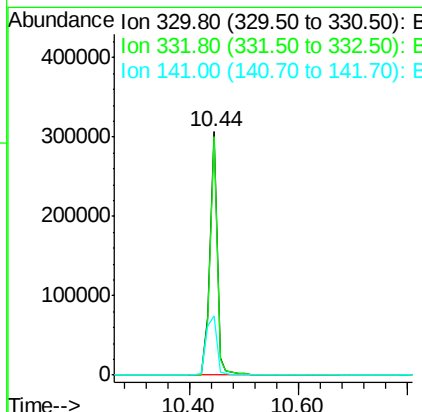
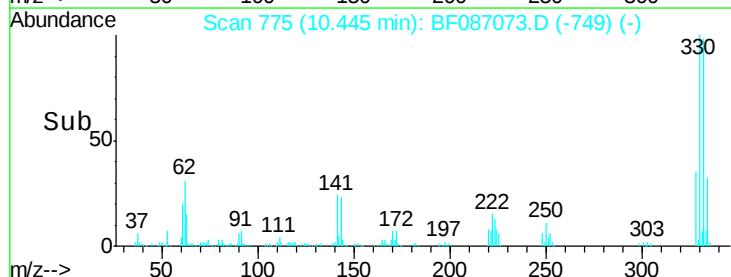
Delta R.T. -0.00 min

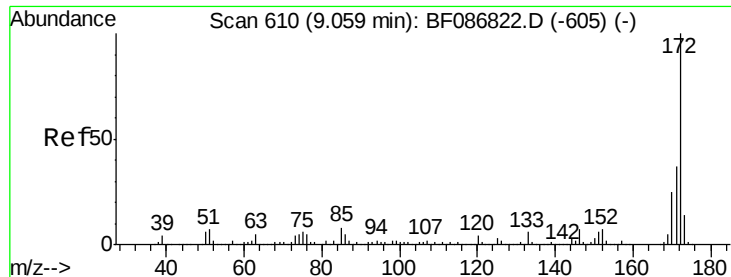
Lab File: BF087073.D

Acq: 15 May 2016 16:55



Tgt Ion:	330	Resp:	289623
Ion Ratio	Lower	Upper	
330	100		
332	97.2	79.0	118.4
141	35.5	31.2	46.8





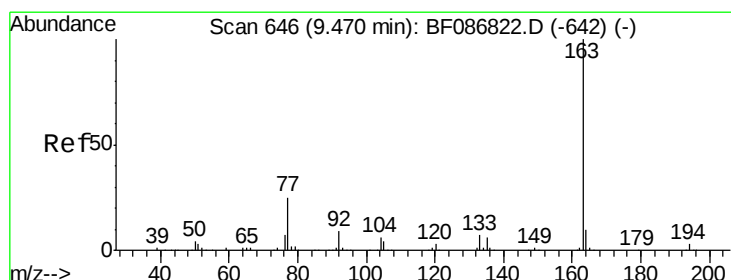
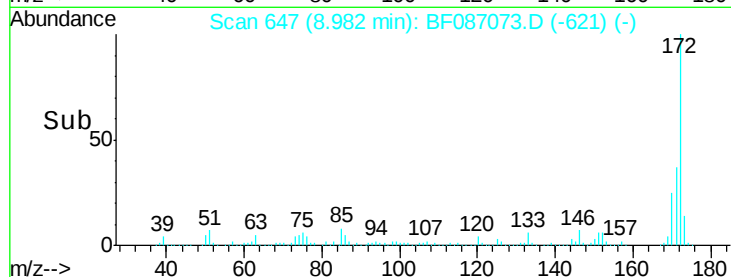
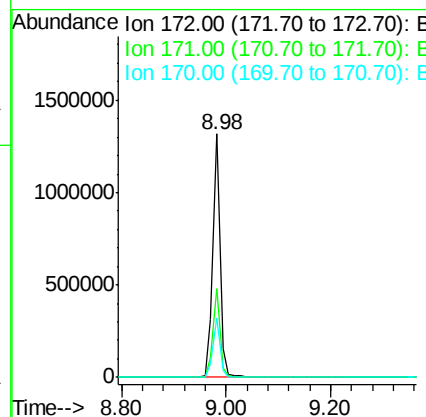
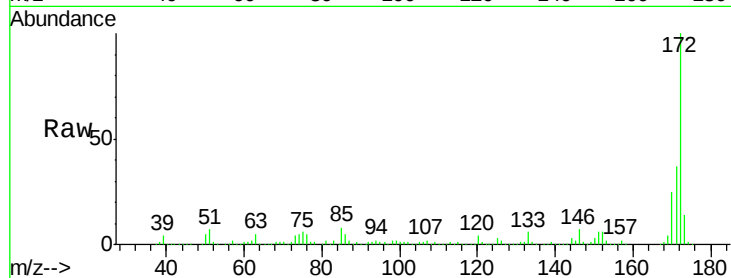
#44
2-Fluorobiphenyl
Concen: 87.81 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	24.6	19.8	29.8

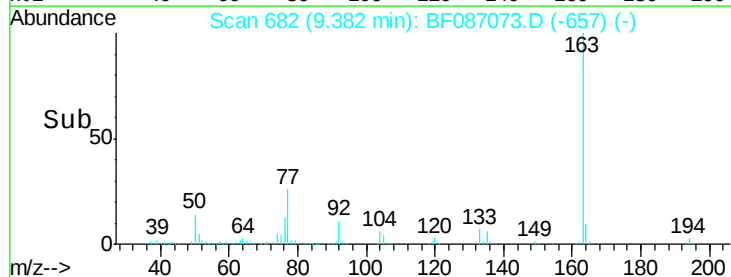
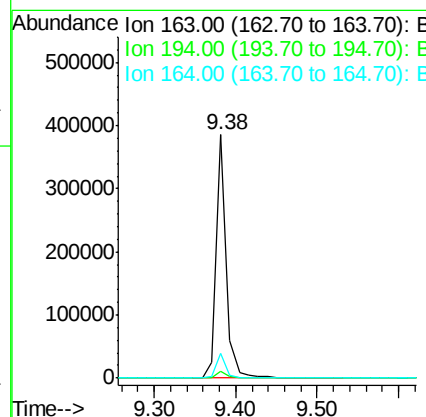
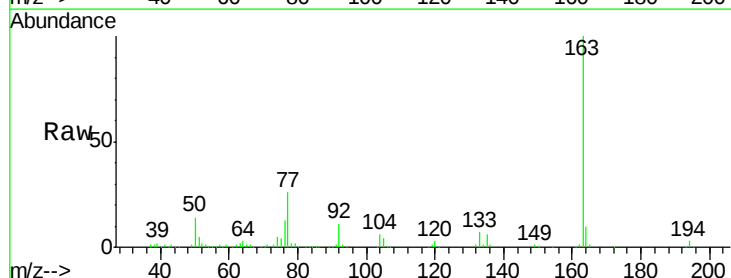
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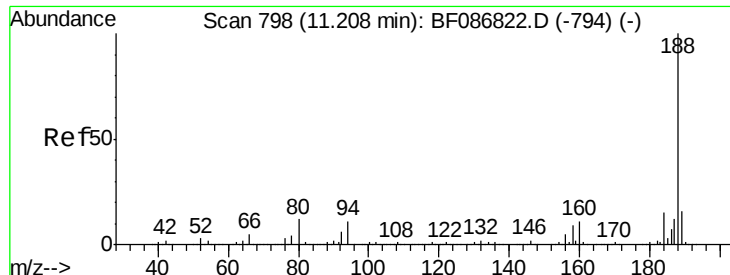
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#49
Dimethylphthalate
Concen: 18.19 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.3	8.2	12.4





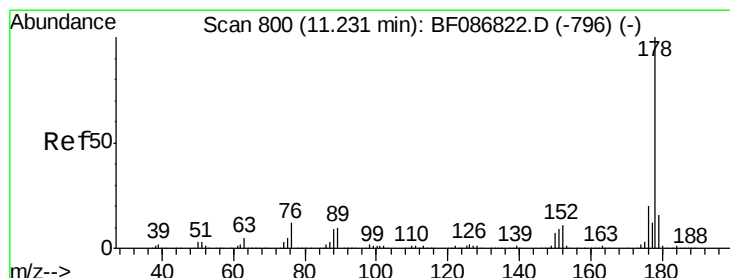
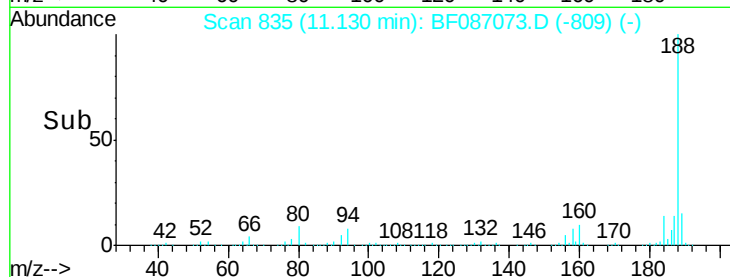
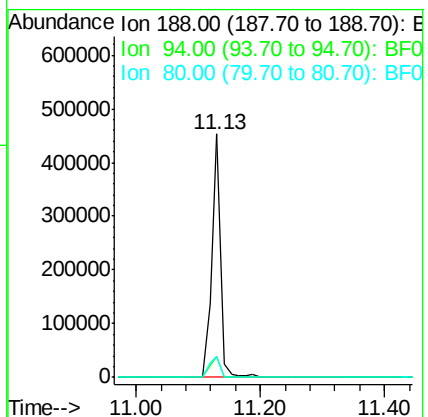
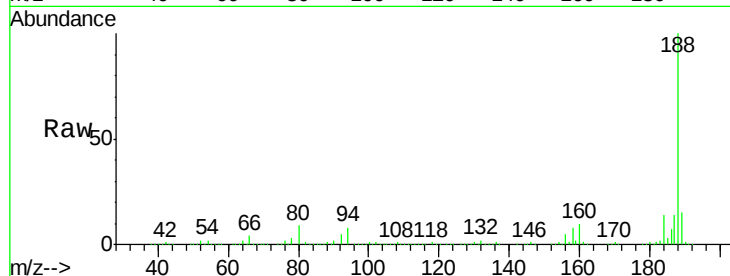
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Instrument :
BNA_F
ClientSampleId :
90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.4	6.8	10.2
80	8.8	7.1	10.7

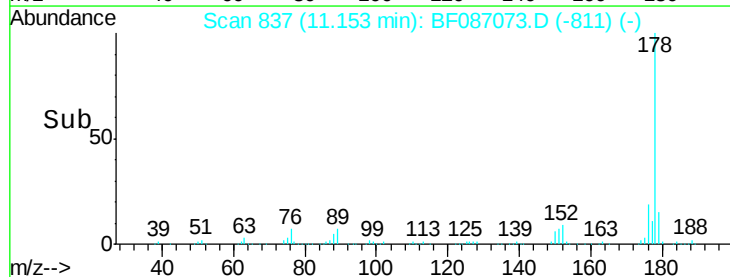
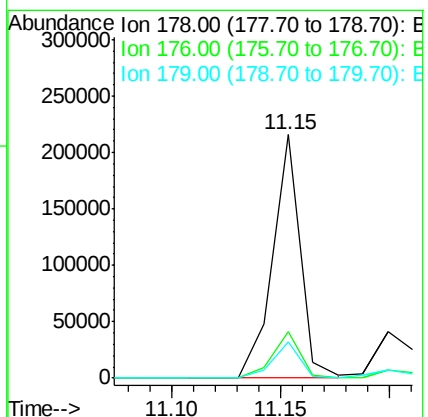
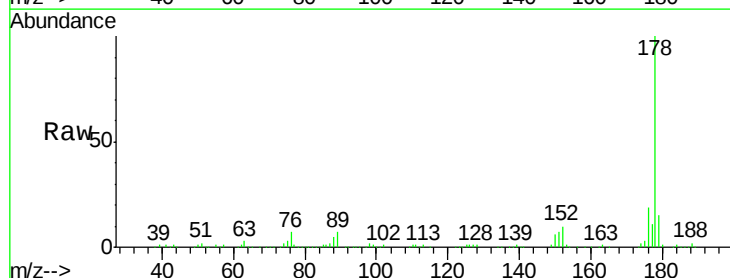
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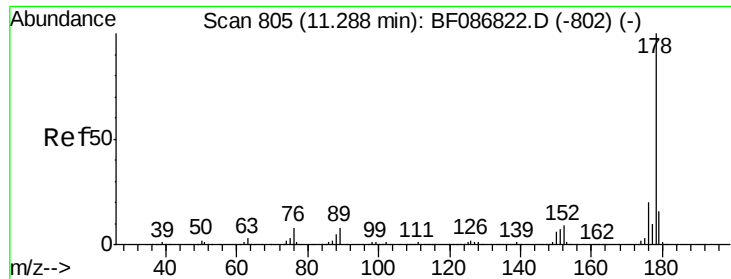
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#70
Phenanthrene
Concen: 8.25 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF087073.D
Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	16.0	24.0
179	14.9	12.6	18.8





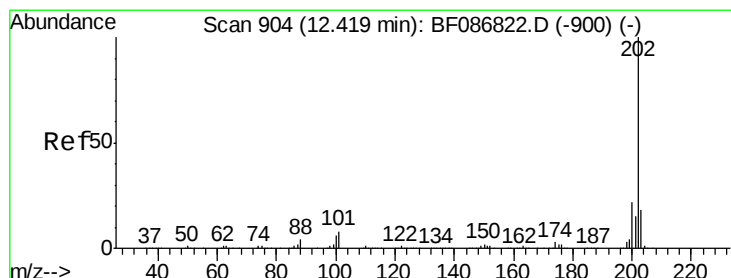
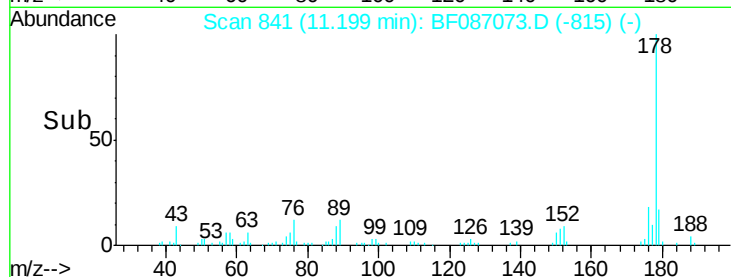
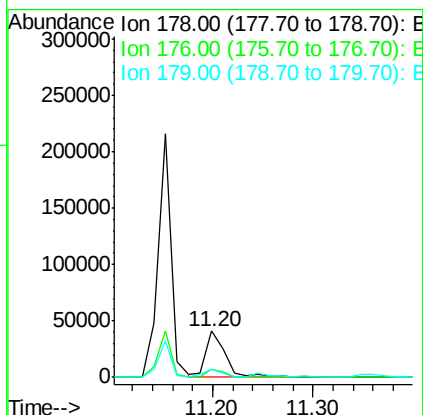
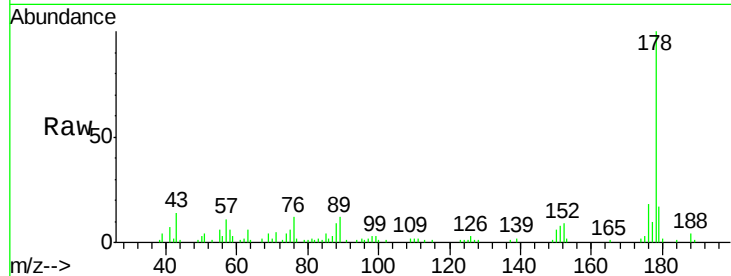
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 Anthracene
 Concen: 2.28 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	16.9	12.7	19.1

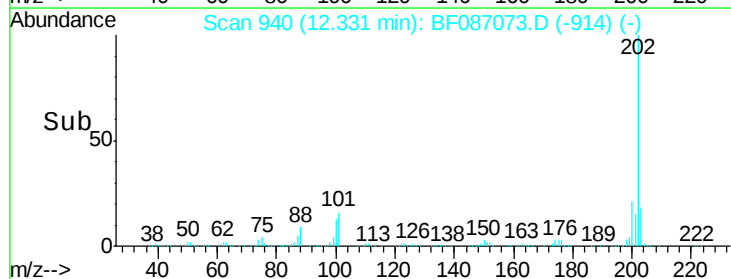
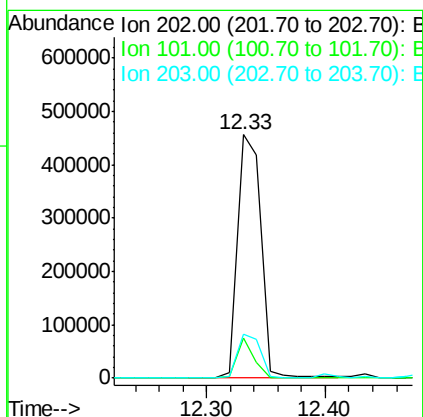
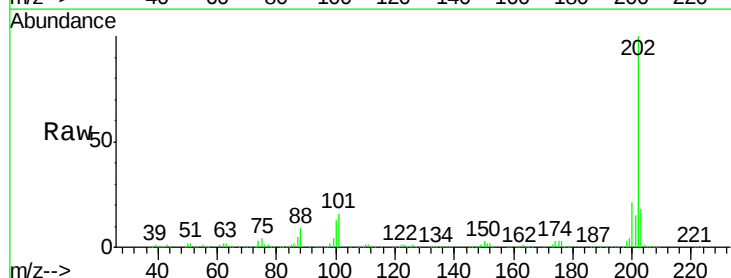
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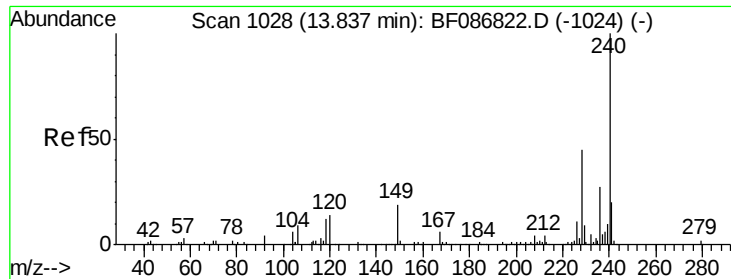
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#74
 Fluoranthene
 Concen: 26.03 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	35.4
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

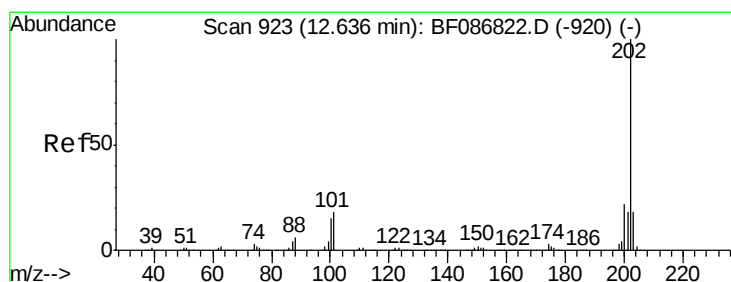
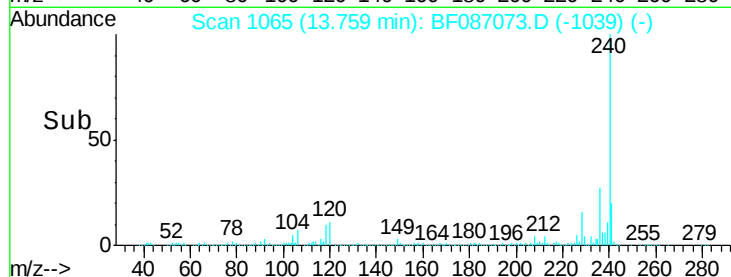
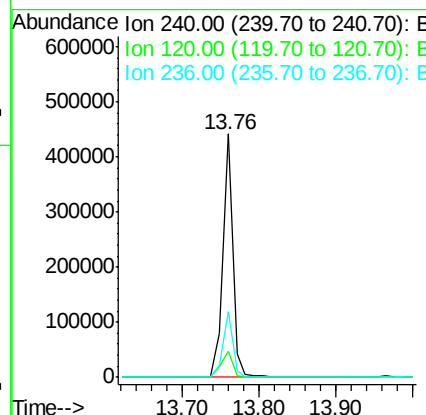
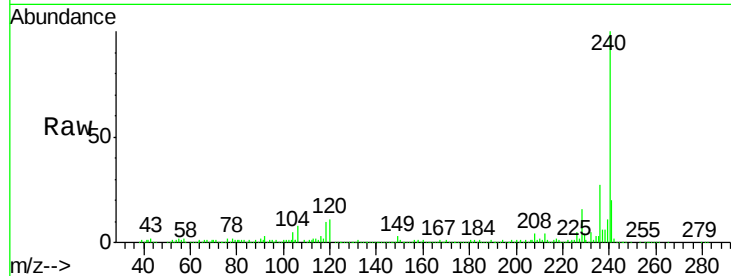
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	11.2	16.8#
236	27.0	21.2	31.8

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#77

Pyrene

Concen: 18.74 ng

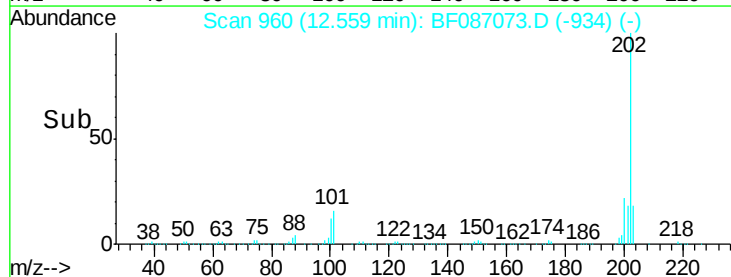
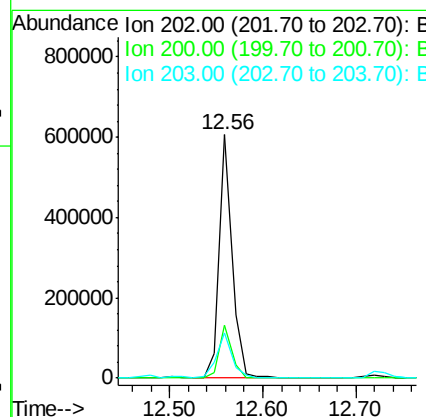
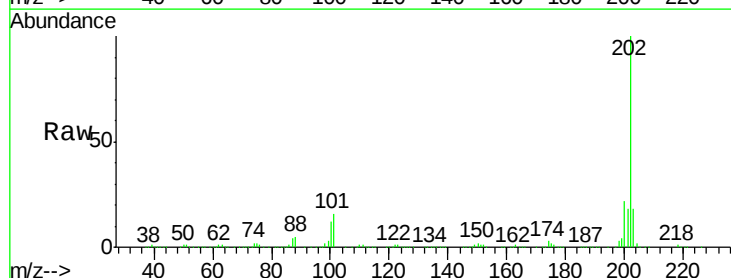
RT: 12.56 min Scan# 960

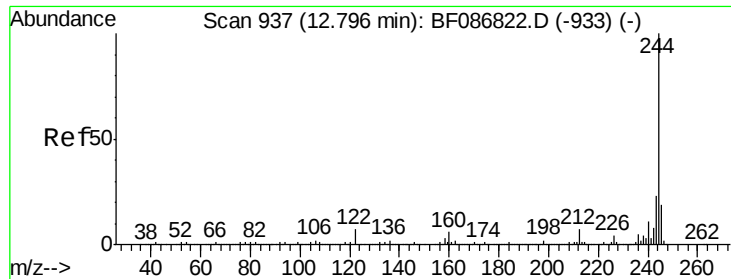
Delta R.T. -0.00 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

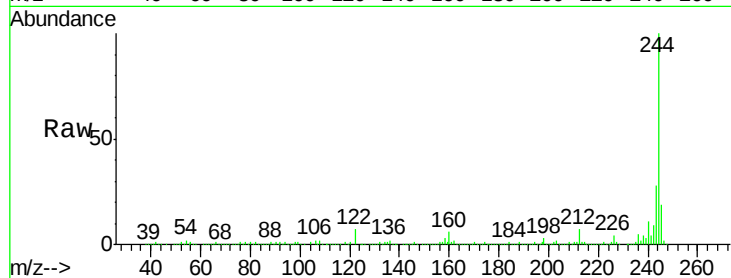
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	18.5	14.2	21.4





#78
 Terphenyl-d14
 Concen: 55.42 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

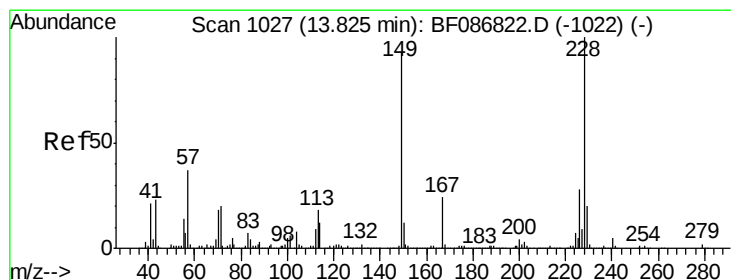
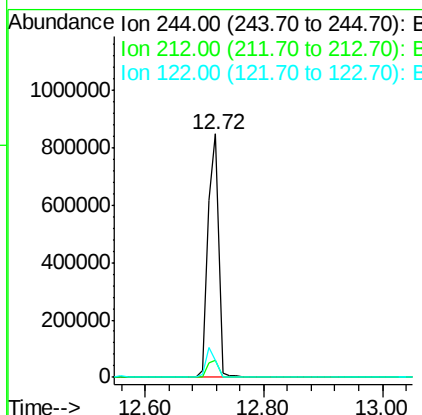
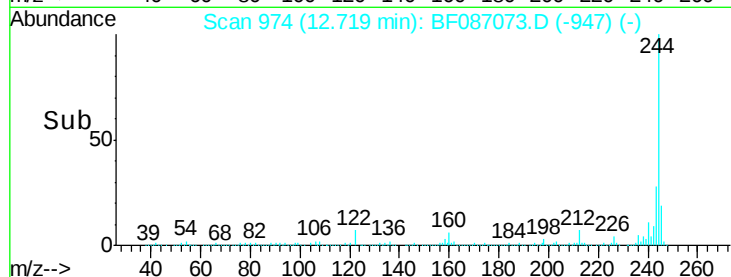
Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	7.3	12.0	18.0#

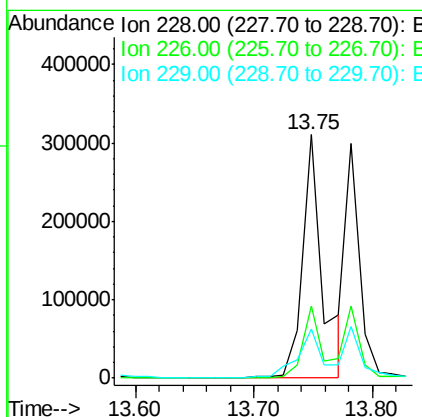
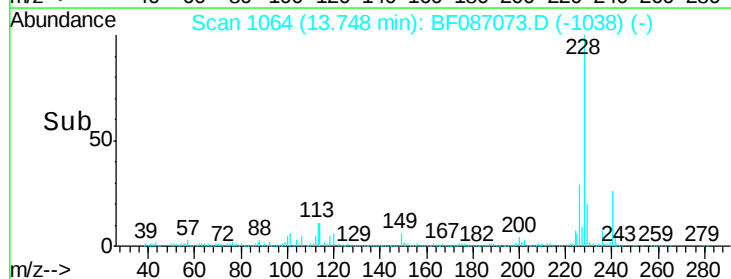
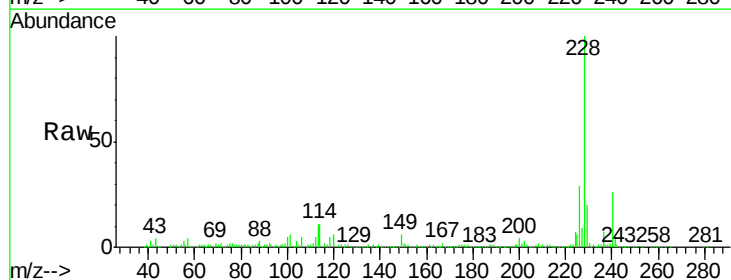
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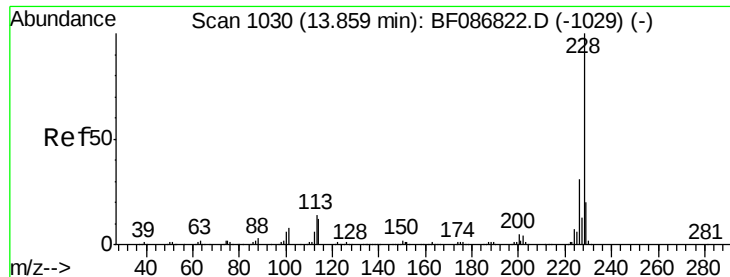
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#80
 Benzo(a)anthracene
 Concen: 15.98 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	20.3	16.6	25.0





#82

Chrysene

Concen: 11.04 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Instrument :

BNA_F

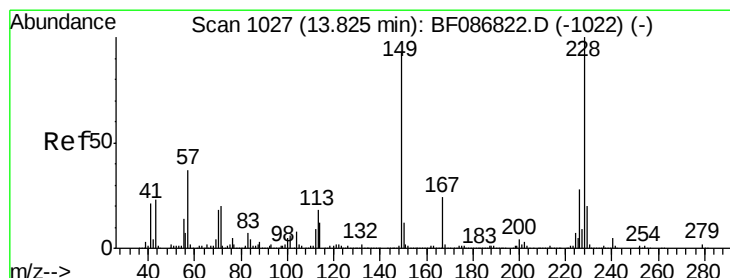
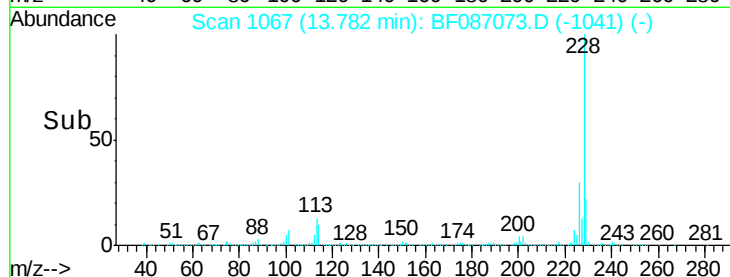
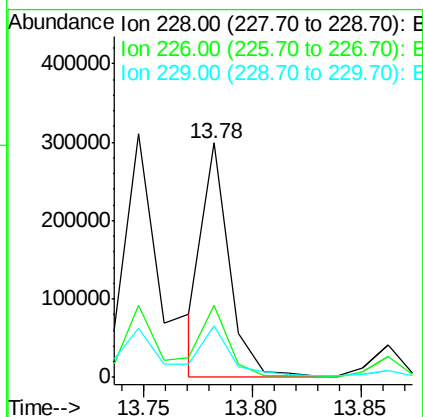
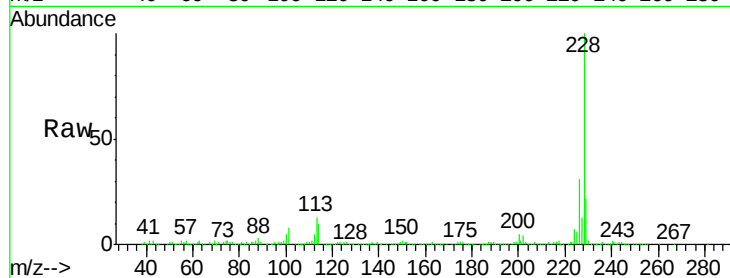
ClientSampleId :

90TH-AVE-SB-11-0.5-6.0

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Tgt Ion:	228	Resp:	253114
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.4	36.6
229	22.0	15.8	23.8



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.13 ng

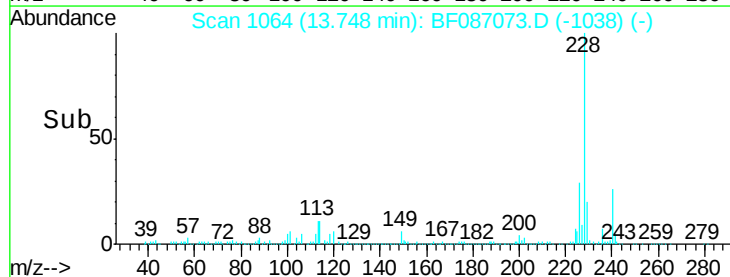
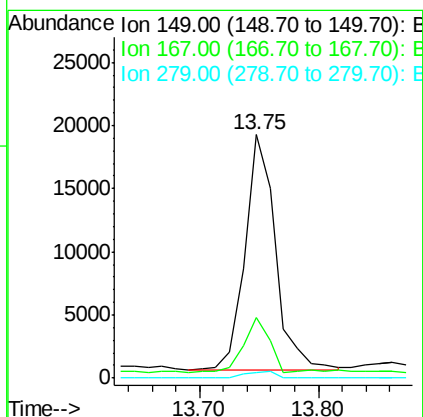
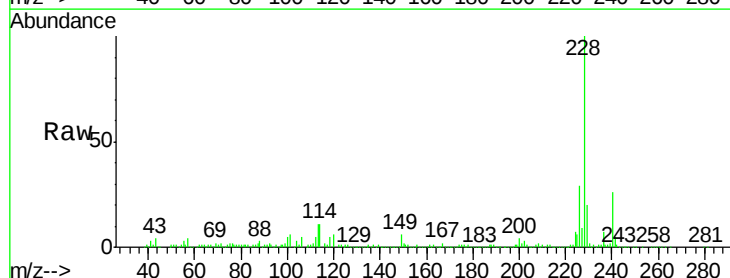
RT: 13.75 min Scan# 1064

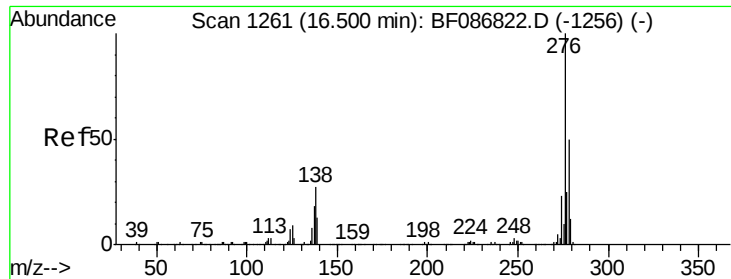
Delta R.T. -0.00 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Tgt Ion:	149	Resp:	33340
Ion Ratio	Lower	Upper	
149	100		
167	24.7	21.8	32.6
279	2.3	2.6	4.0#





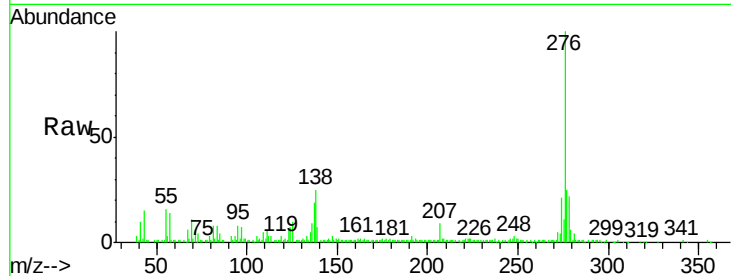
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.36 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Instrument :
 BNA_F
 ClientSampleId :
 90TH-AVE-SB-11-0.5-6.0

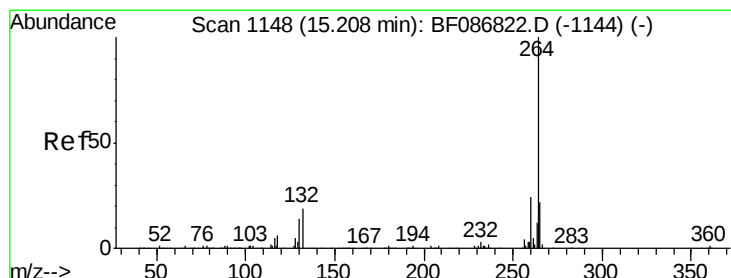
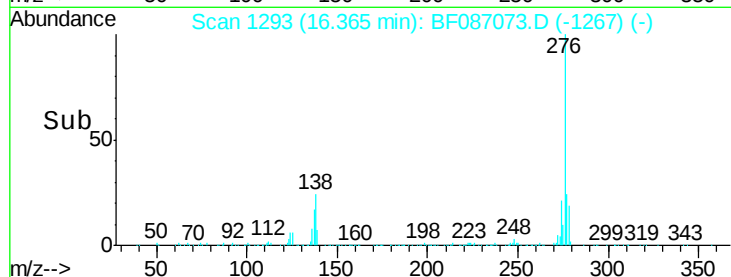
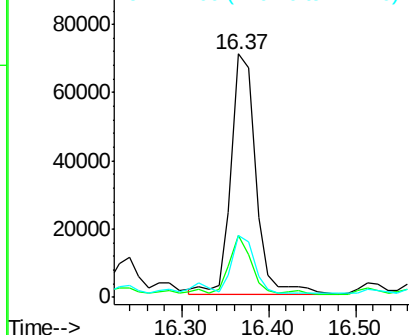
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.6	38.4#
277	21.7	20.5	30.7

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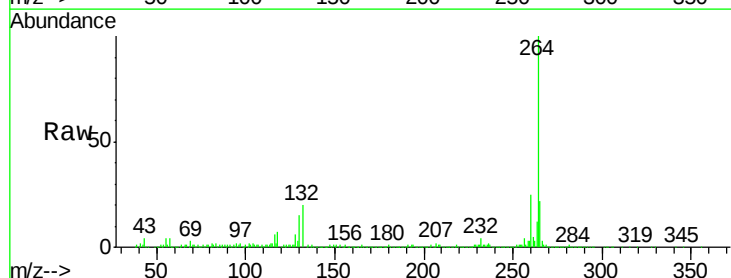


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

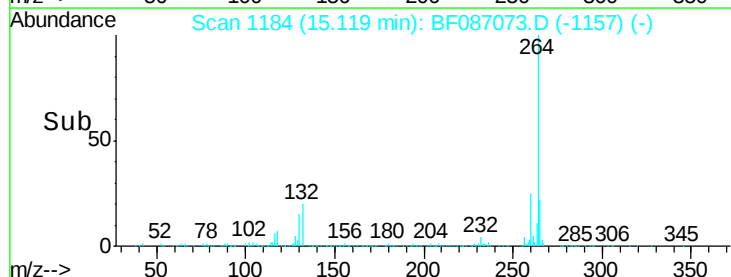
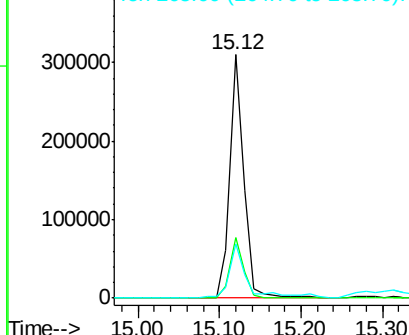


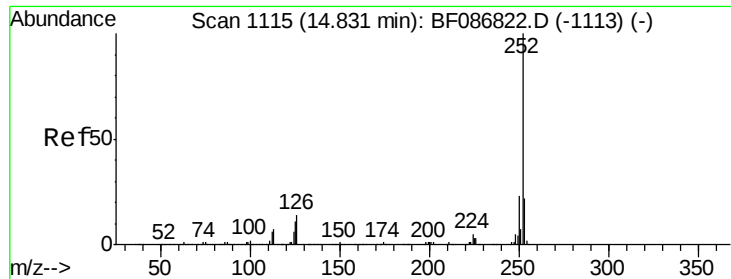
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF087073.D
 Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.1	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: 17.31 ng m

RT: 14.75 min Scan# 1152

Delta R.T. 0.01 min

Lab File: BF087073.D

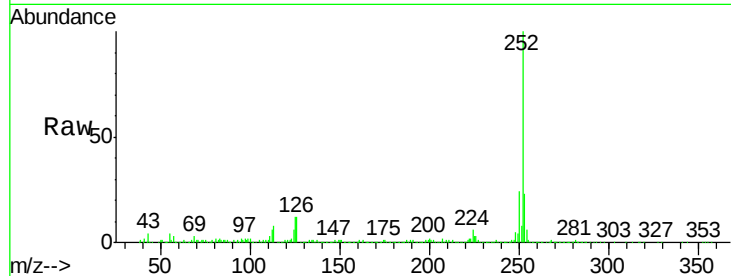
Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

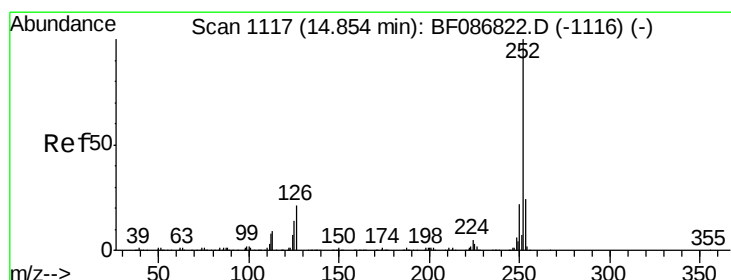
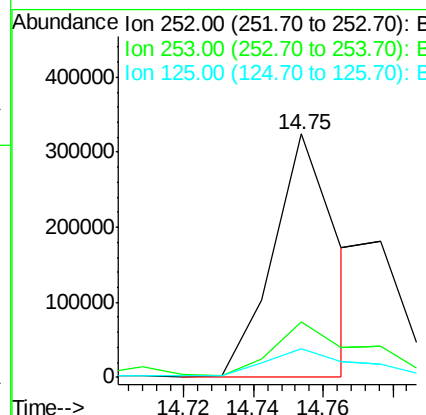
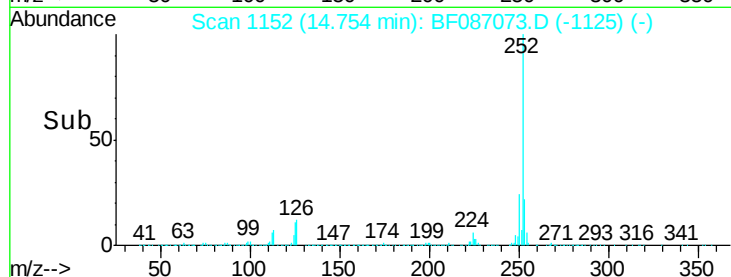
90TH-AVE-SB-11-0.5-6.0



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.6	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 7.89 ng m

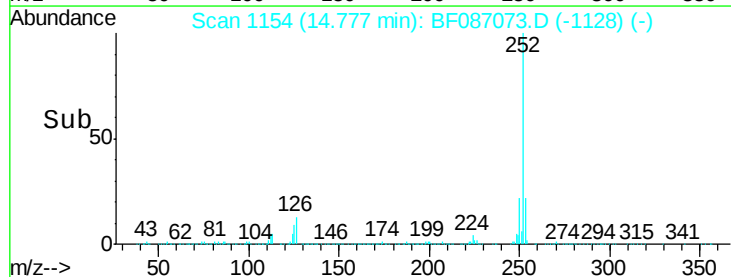
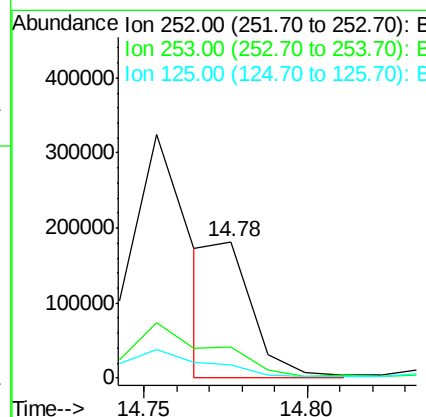
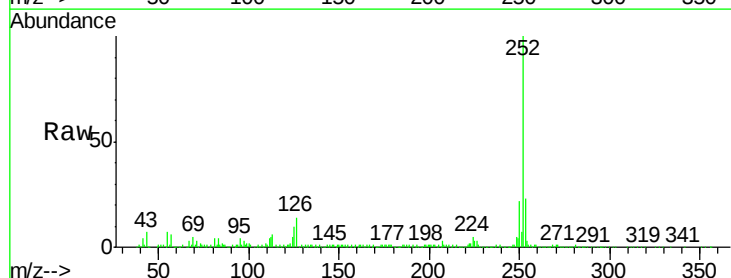
RT: 14.78 min Scan# 1154

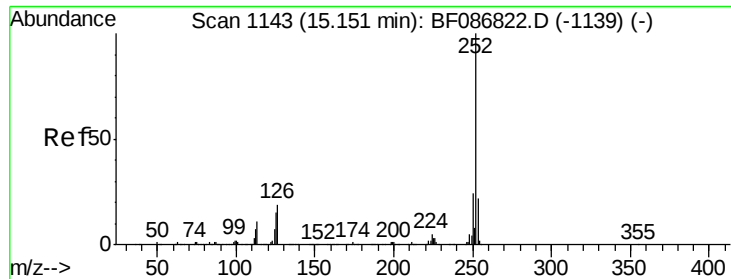
Delta R.T. -0.00 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.1	9.1	13.7





#89

Benzo(a)pyrene

Concen: 13.78 ng m

RT: 15.06 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF087073.D

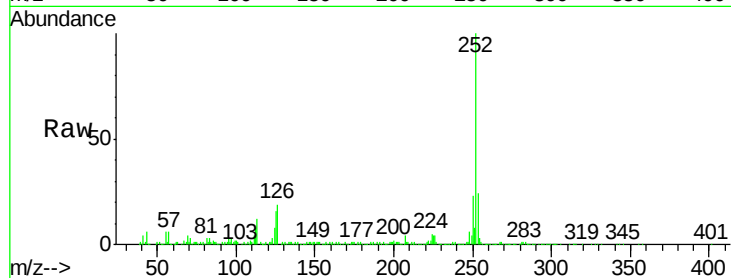
Acq: 15 May 2016 16:55

Instrument :

BNA_F

ClientSampleId :

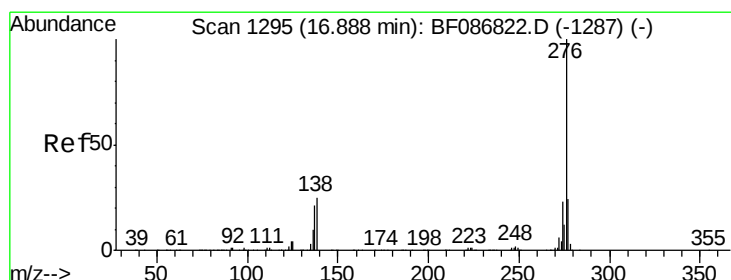
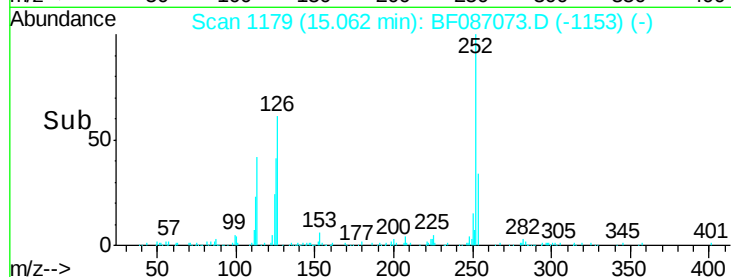
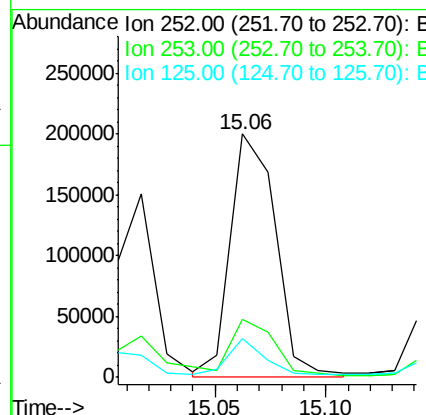
90TH-AVE-SB-11-0.5-6.0



Tgt Ion:	252	Resp:	283525
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.2	25.8
125	15.7	9.0	13.6#

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#91

Benzo(g,h,i)perylene

Concen: 6.58 ng

RT: 16.74 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF087073.D

Acq: 15 May 2016 16:55

Tgt Ion:	276	Resp:	115953
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.6	29.4
138	24.7	23.6	35.4

