

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086803.D
 Acq On : 8 May 2016 5:15
 Operator : UM/SJ
 Sample : H2720-20
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

Manual Integrations
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Quant Time: May 09 01:06:41 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	6.70	152	200040	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	787674	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	361848	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	652577	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	418303	40.00	ng	-0.03
86) Perylene-d12	15.23	264	358982	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1231254	101.90	ng	-0.01
7) Phenol-d6	6.37	99	1883639	115.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	1181786	77.10	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	446366	126.10	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1817538	82.34	ng	-0.03
78) Terphenyl-d14	12.81	244	1367557	66.07	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	295405	10.95	ng	99
70) Phenanthrene	11.24	178	434951	12.41	ng	99
71) Anthracene	11.29	178	98564	2.69	ng	97
74) Fluoranthene	12.42	202	733555	20.88	ng	99
77) Pyrene	12.65	202	592517	17.77	ng	99
80) Benzo(a)anthracene	13.84	228	311687	13.17	ng	99
82) Chrysene	13.87	228	215896	8.55	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	102347	4.73	ng	95
87) Benzo(b)fluoranthene	14.84	252	251195m	11.65	ng	
88) Benzo(k)fluoranthene	14.85	252	118095m	5.81	ng	
89) Benzo(a)pyrene	15.17	252	172391	8.68	ng	96
91) Benzo(g,h,i)perylene	16.91	276	90344m	4.51	ng	

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

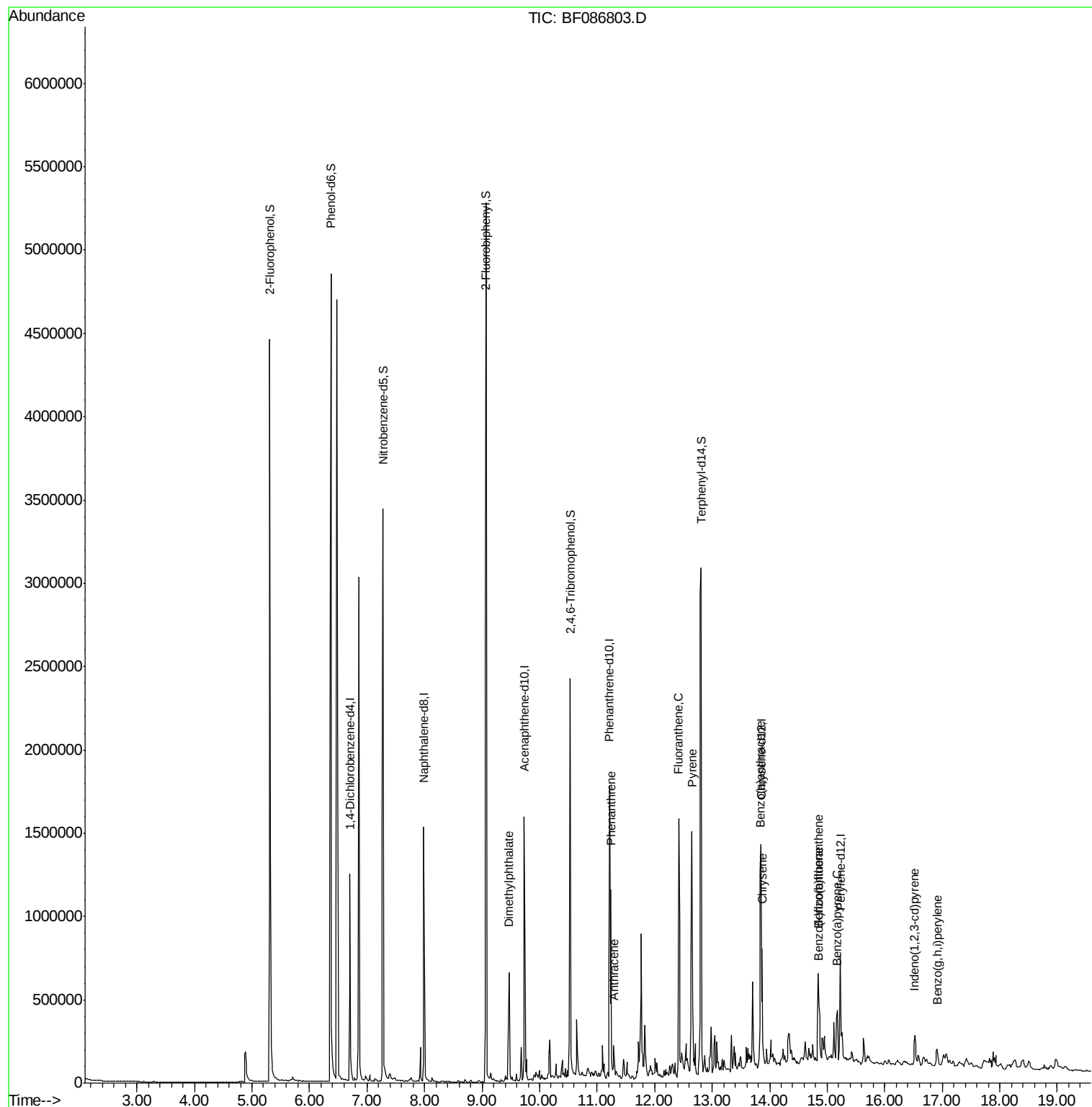
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
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ALS Vial : 71 Sample Multiplier: 1

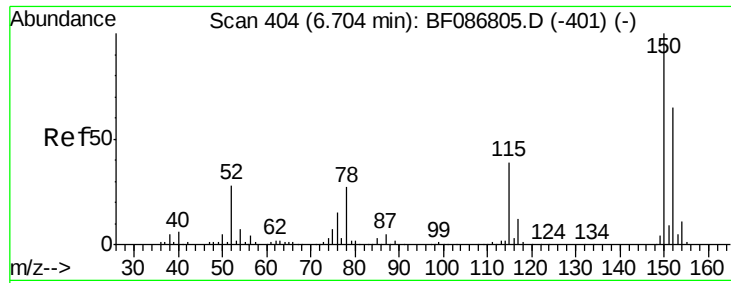
Instrument :
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TP-14D02

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
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#1

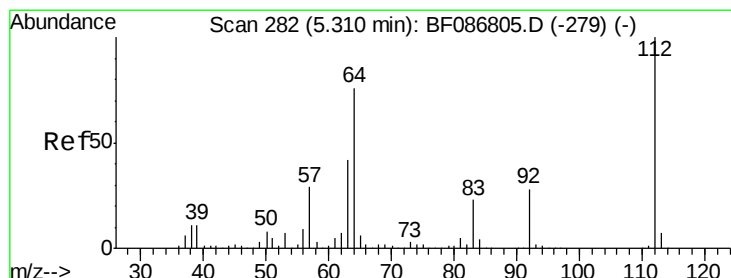
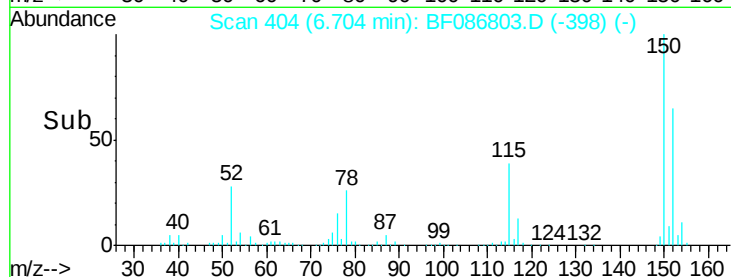
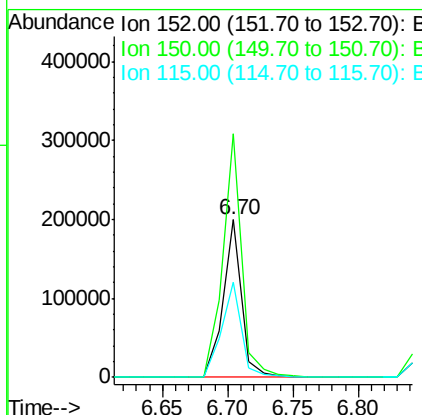
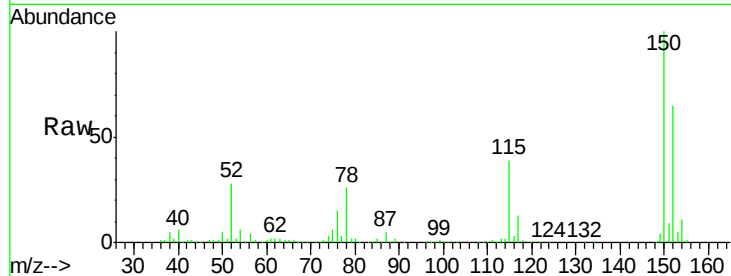
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampleId :
TP-14D02

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	200040		
150	154.3	125.8	188.6	
115	60.3	51.5	77.3	

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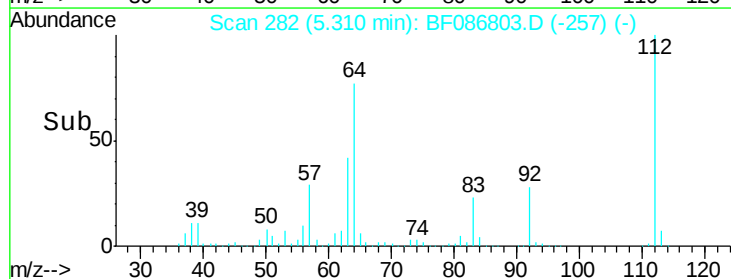
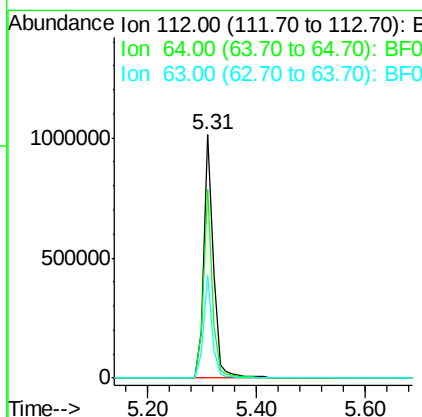
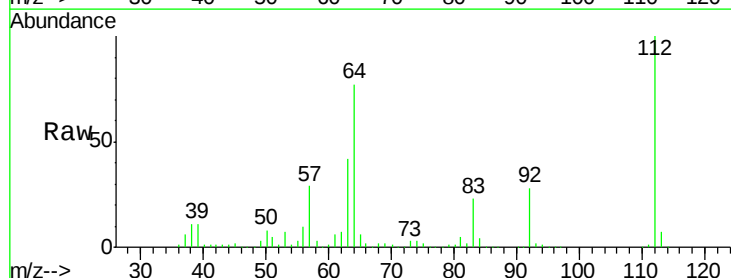
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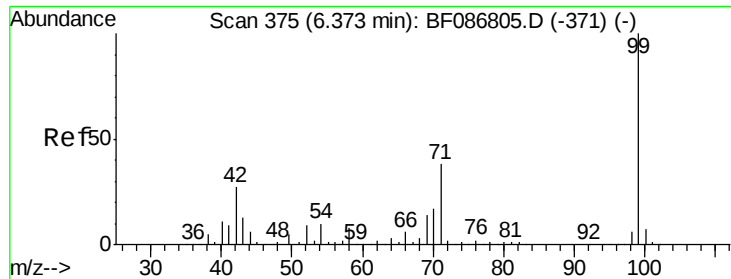


#5

2-Fluorophenol
Concen: 101.90 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1231254		
64	77.2	52.1	78.1	
63	42.2	25.7	38.5	





#7

Phenol-d6

Concen: 115.72 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

ClientSampleId :

TP-14D02

Tgt Ion: 99 Resp: 1883639

Ion Ratio Lower Upper

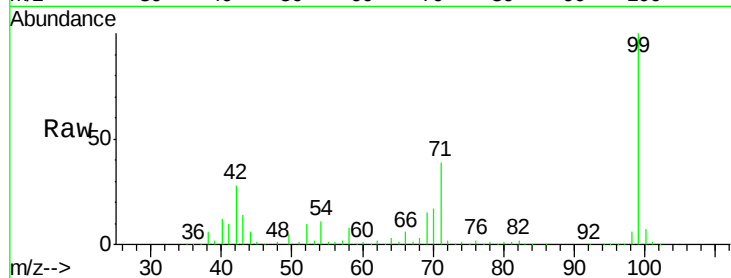
99 100

42 28.4 13.6 20.4#

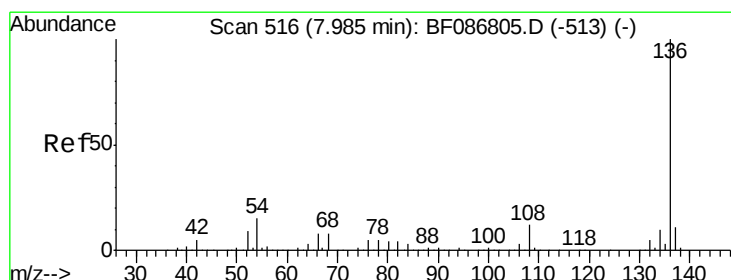
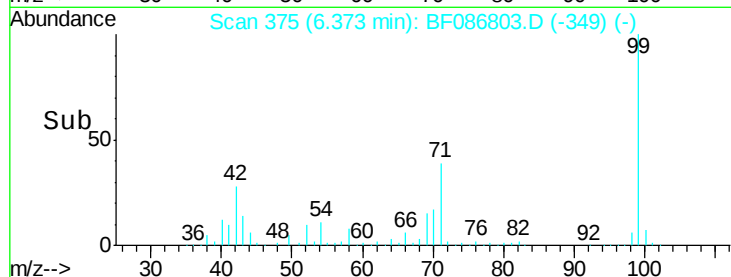
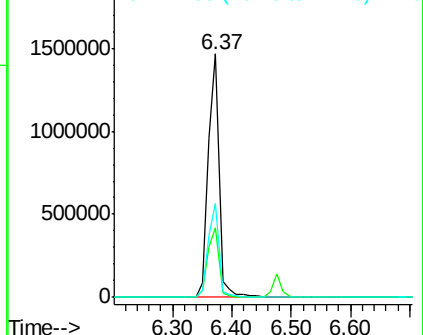
71 38.8 24.6 36.8#

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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



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt Ion: 136 Resp: 787674

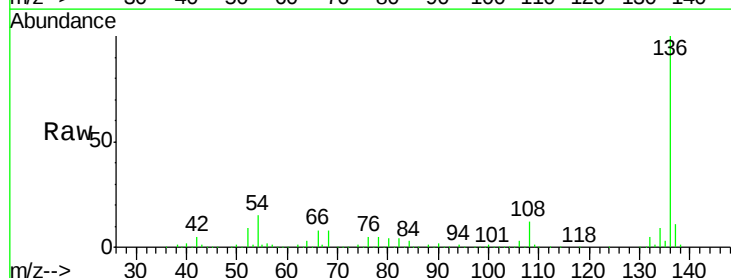
Ion Ratio Lower Upper

136 100

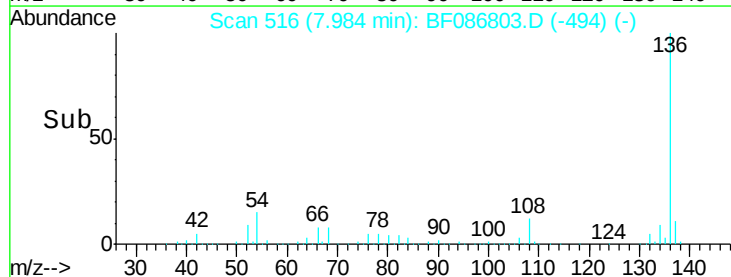
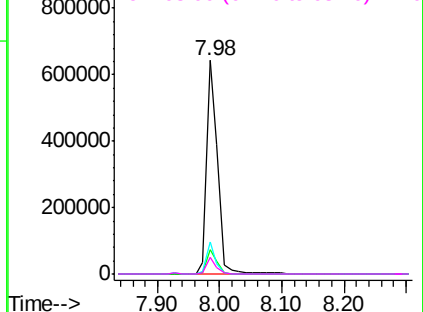
137 11.4 8.8 13.2

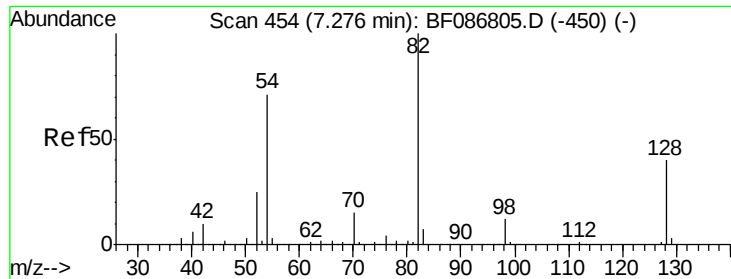
54 15.1 5.0 7.4#

68 8.1 4.4 6.6#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





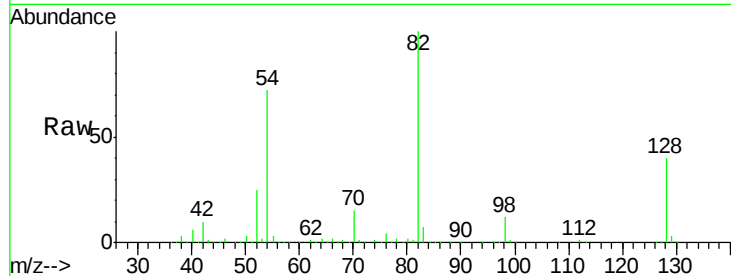
#23
 Nitrobenzene-d5
 Concen: 77.10 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

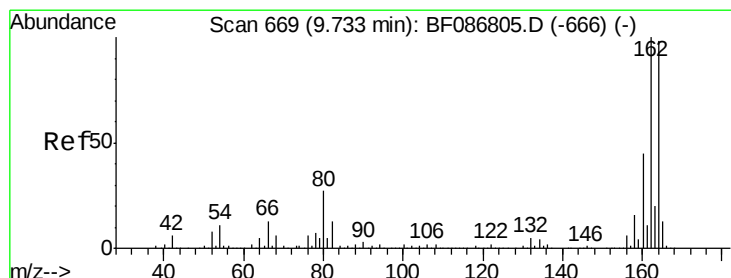
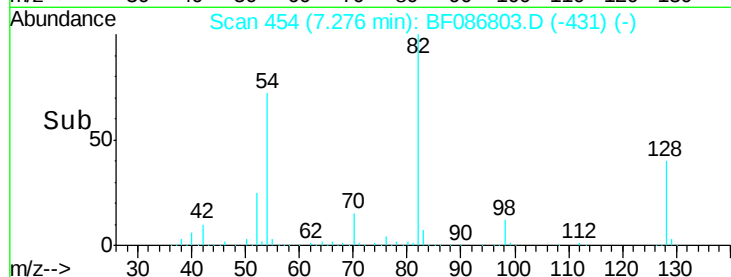
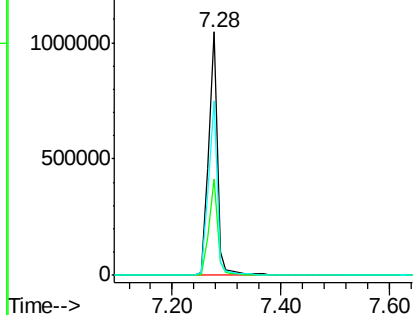
Tgt Ion: 82 Resp: 1181786
 Ion Ratio Lower Upper
 82 100
 128 39.5 40.6 61.0#
 54 71.7 38.1 57.1#

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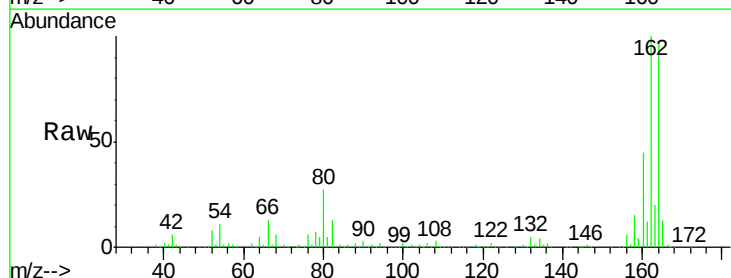


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

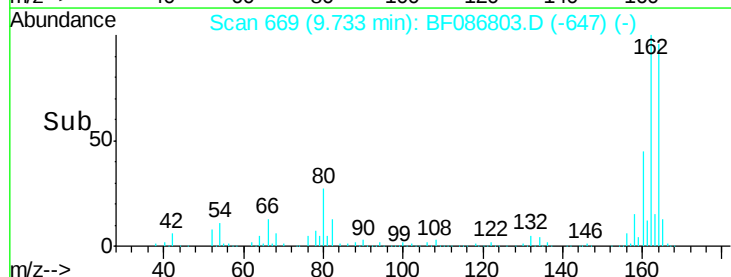
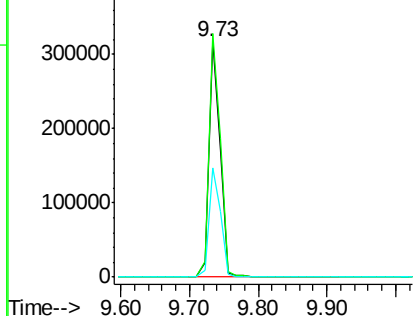


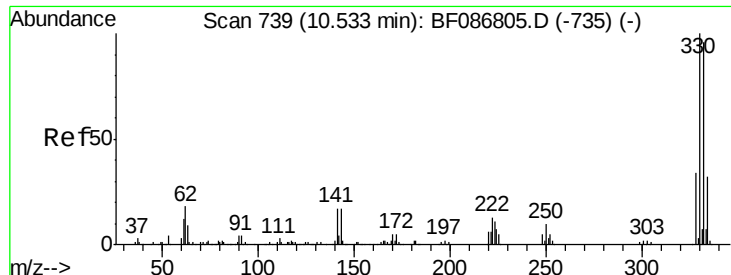
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion: 164 Resp: 361848
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.8 124.2
 160 46.4 36.9 55.3



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





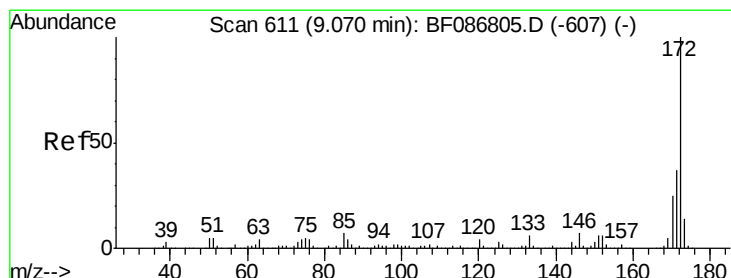
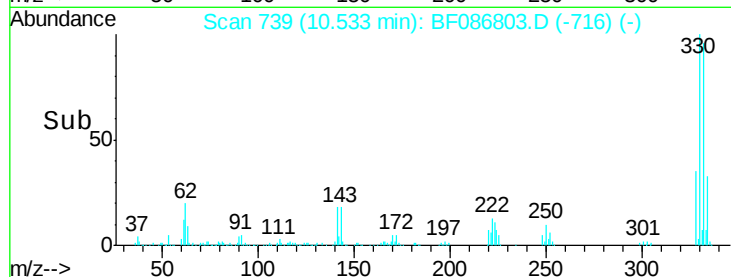
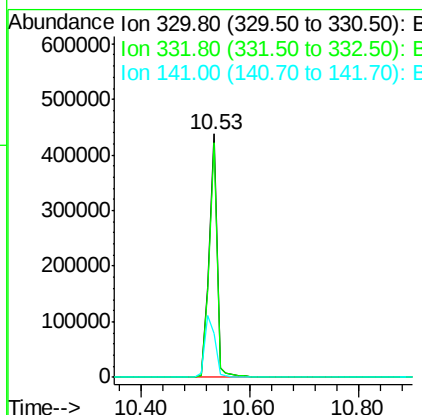
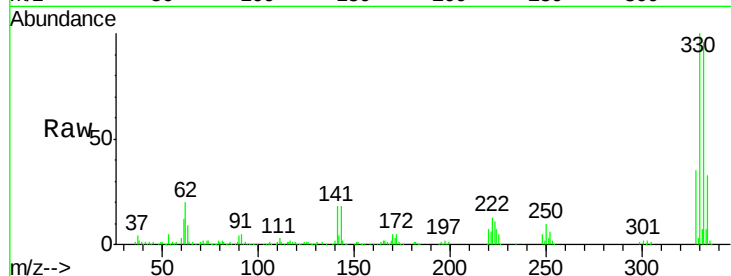
#41
 2,4,6-Tribromophenol
 Concen: 126.10 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	446366		
332	96.4	79.0	118.4	
141	32.4	31.2	46.8	

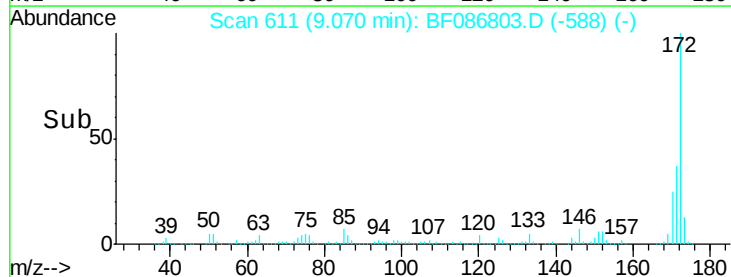
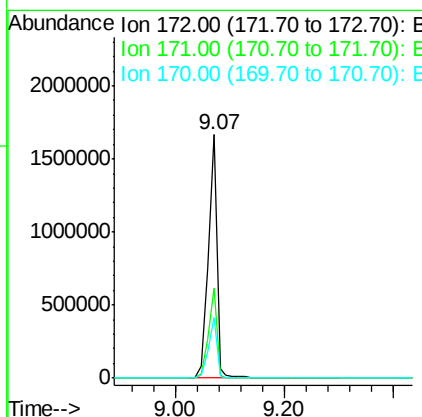
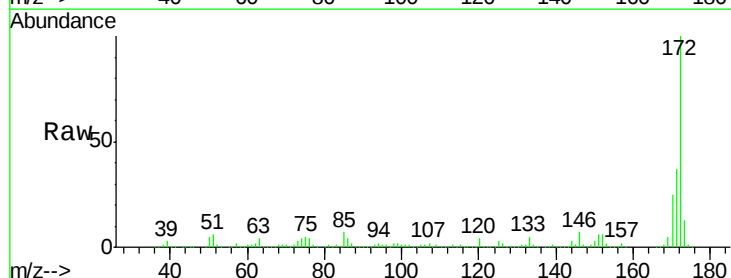
Manual Integrations
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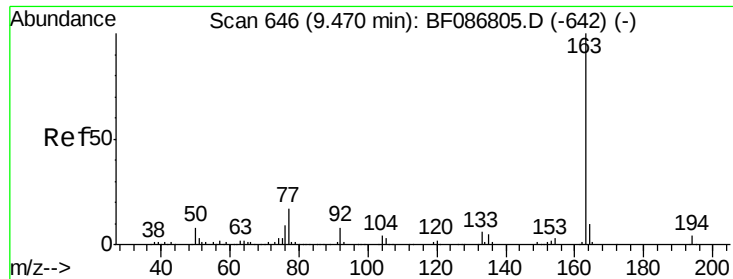
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#44
 2-Fluorobiphenyl
 Concen: 82.34 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1817538		
171	36.9	29.0	43.6	
170	24.8	19.8	29.8	





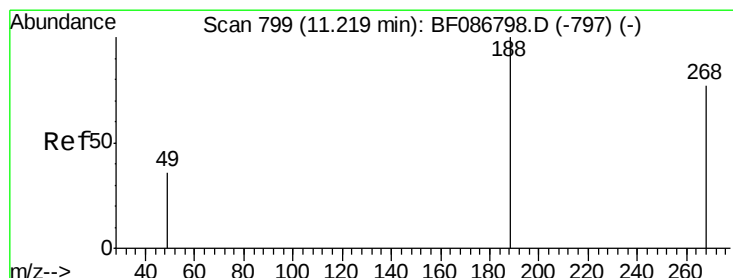
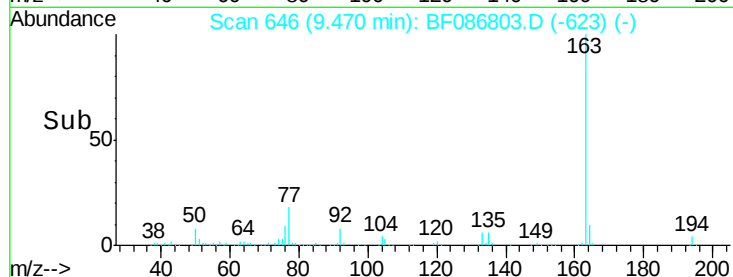
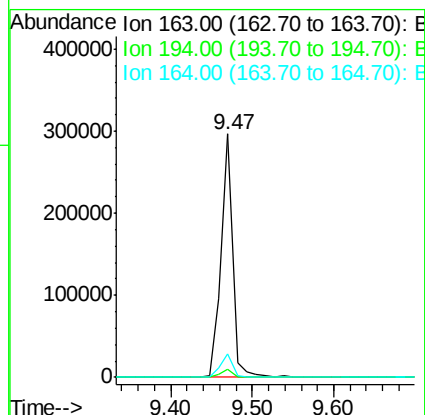
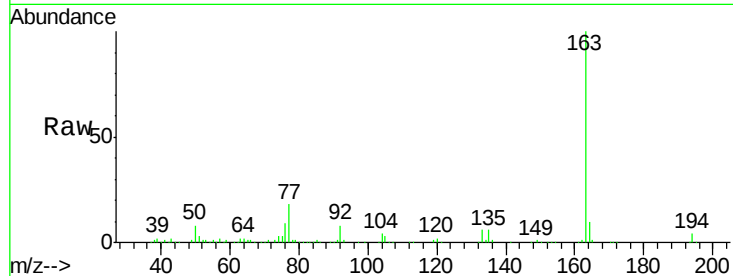
#49
Dimethylphthalate
Concen: 10.95 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampleId :
TP-14D02

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.6	4.0
164	9.7	8.2	12.4

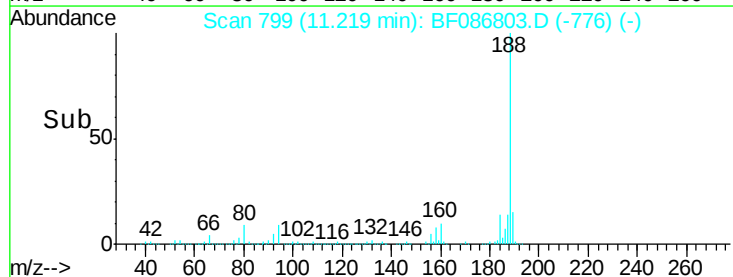
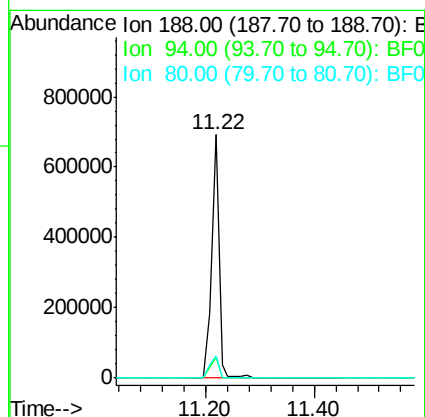
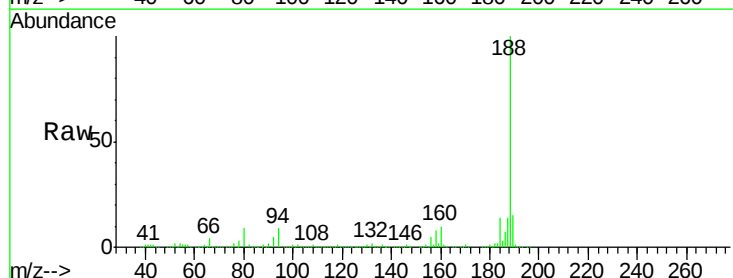
Manual Integrations
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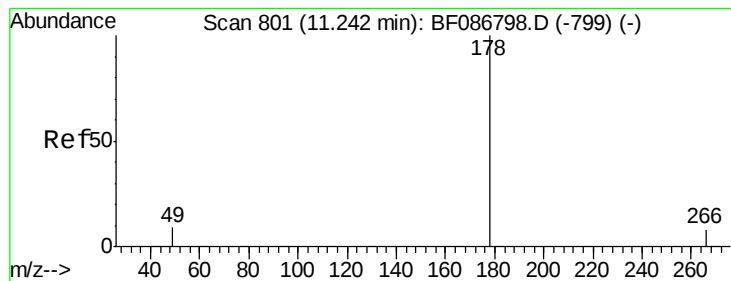
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#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	6.8	10.2
80	9.2	7.1	10.7





#70

Phenanthrene

Concen: 12.41 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.03 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

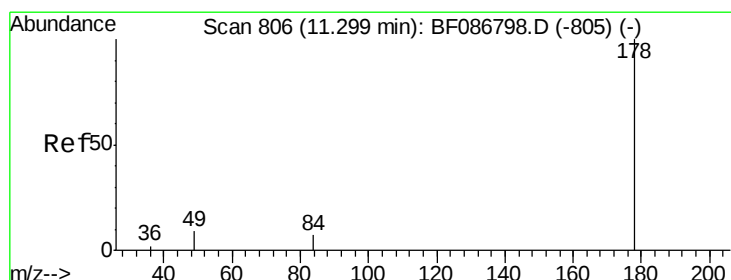
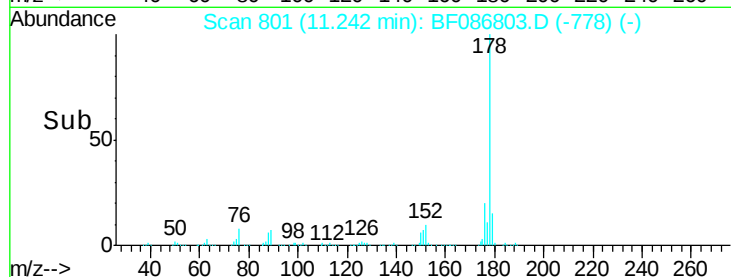
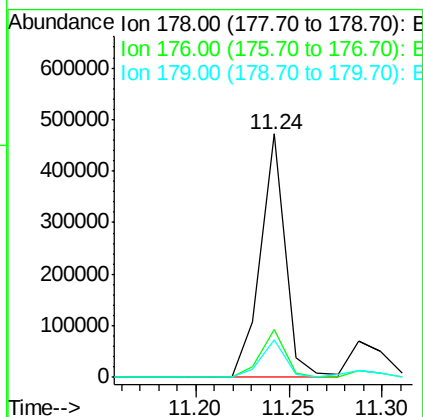
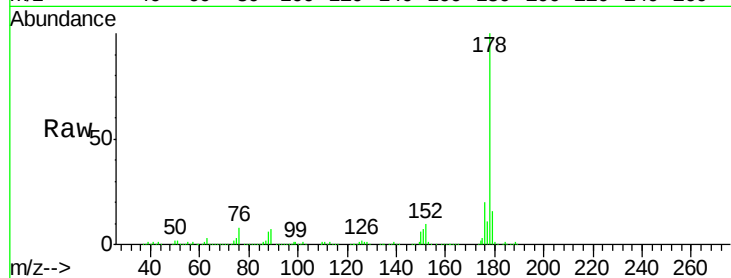
ClientSampleId :

TP-14D02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.5	12.6	18.8

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#71

Anthracene

Concen: 2.69 ng

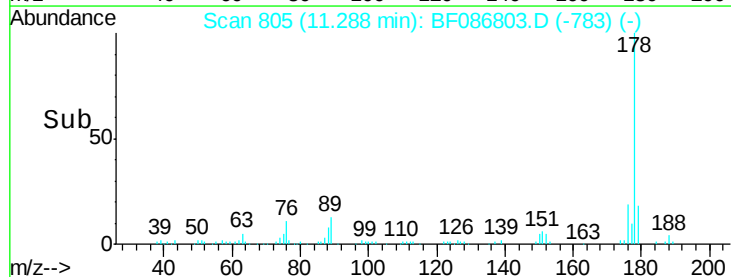
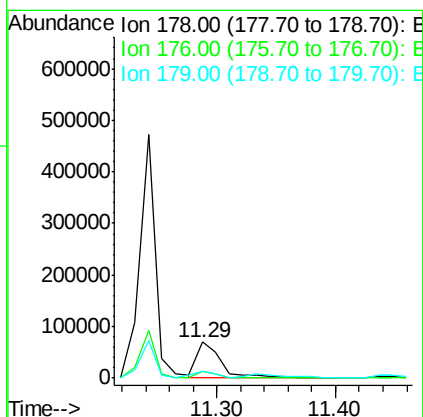
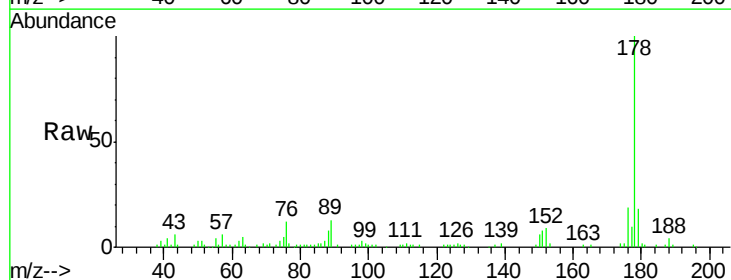
RT: 11.29 min Scan# 805

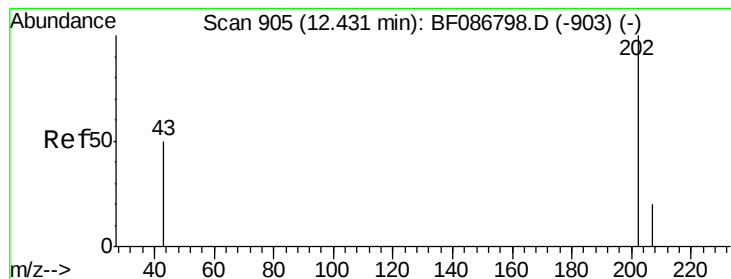
Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	17.9	12.7	19.1





#74

Fluoranthene

Concen: 20.88 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

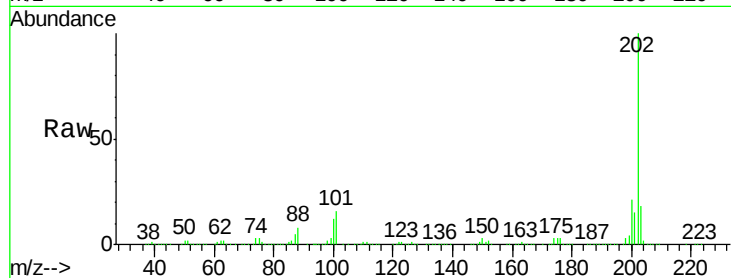
ClientSampleId :

TP-14D02

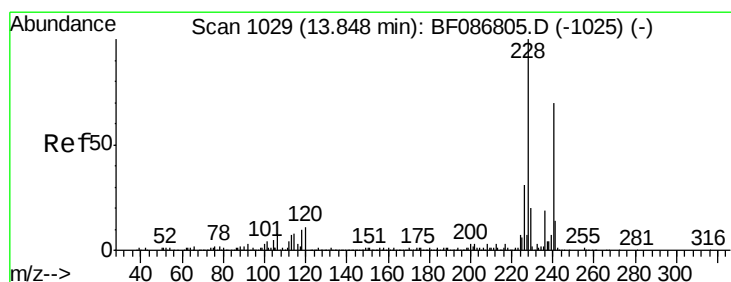
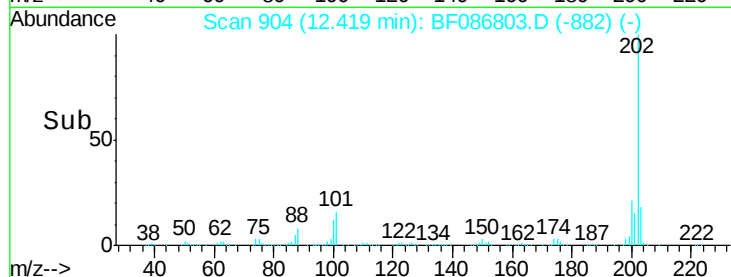
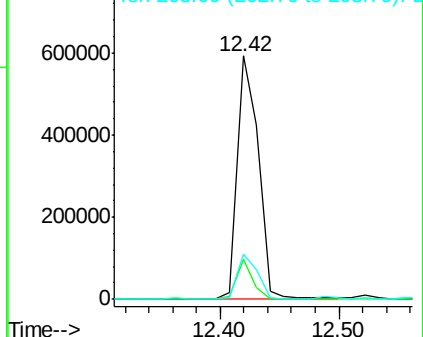
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		733555		
101	16.3	0.0	35.4		
203	18.5	0.0	38.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 40.00 ng

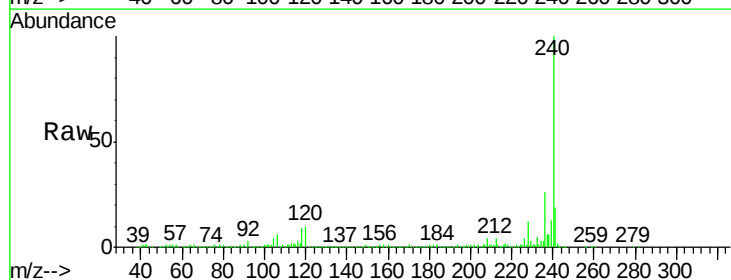
RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

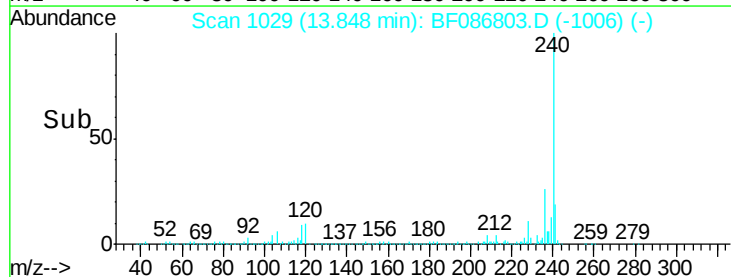
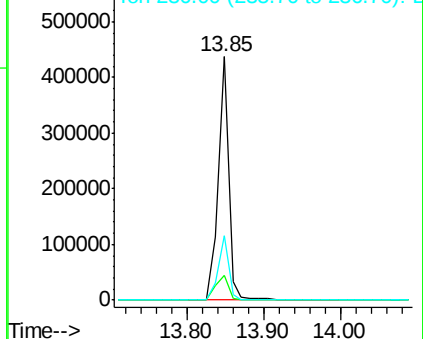
Lab File: BF086803.D

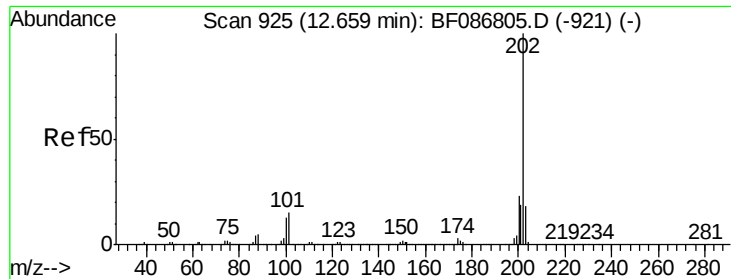
Acq: 8 May 2016 5:15

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		418303		
120	10.0	11.2	16.8#		
236	26.3	21.2	31.8		



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





#77

Pyrene

Concen: 17.77 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

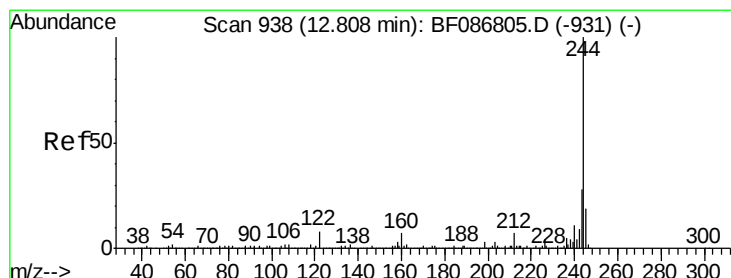
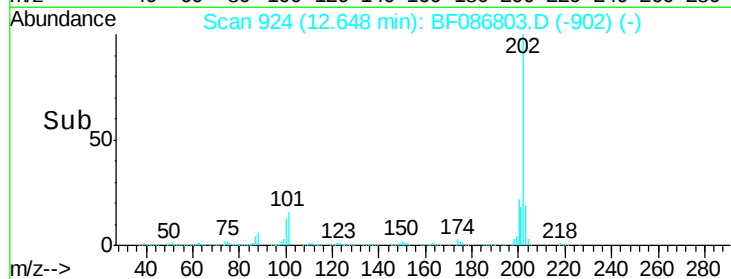
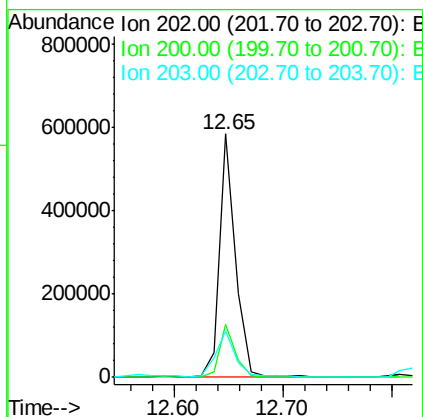
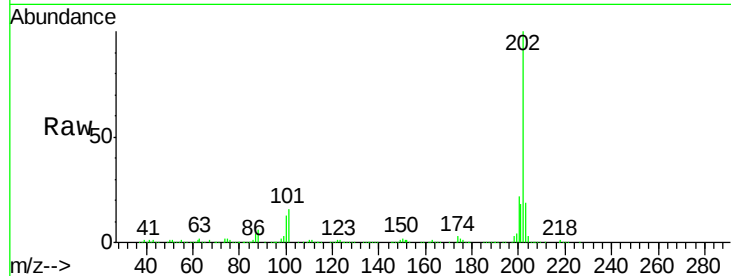
ClientSampleId :

TP-14D02

Tgt	Ion:202	Resp:	592517
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	19.0	14.2	21.4

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#78

Terphenyl-d14

Concen: 66.07 ng

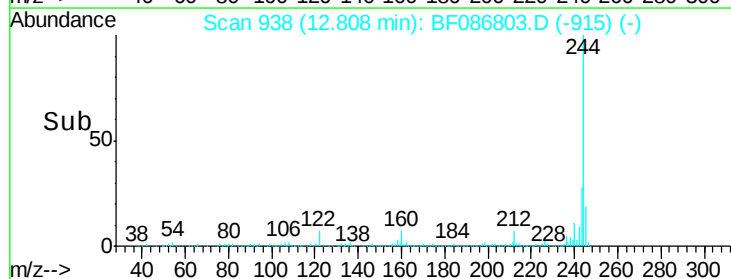
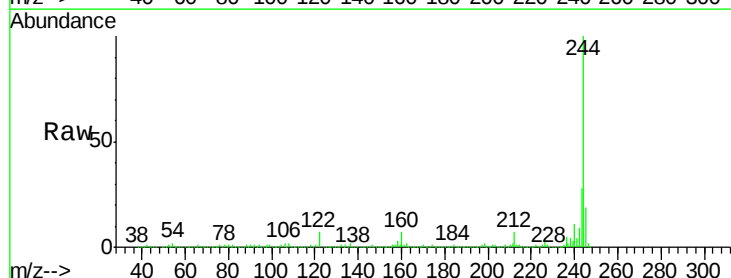
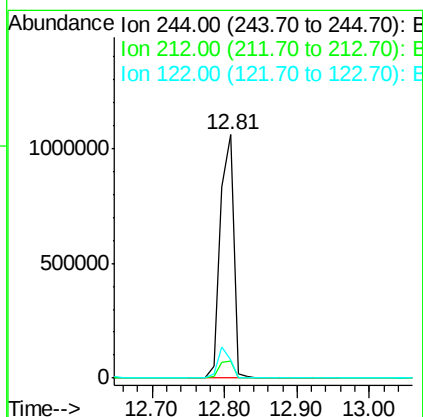
RT: 12.81 min Scan# 938

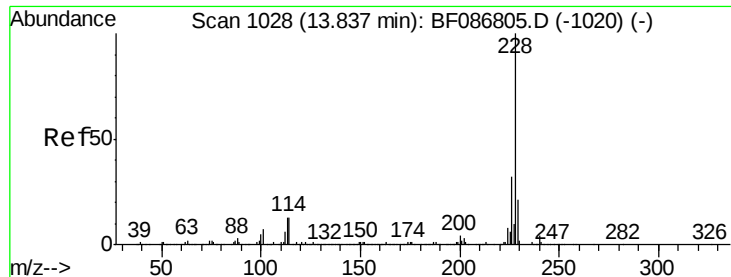
Delta R.T. -0.03 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt	Ion:244	Resp:	1367557
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	7.3	12.0	18.0#





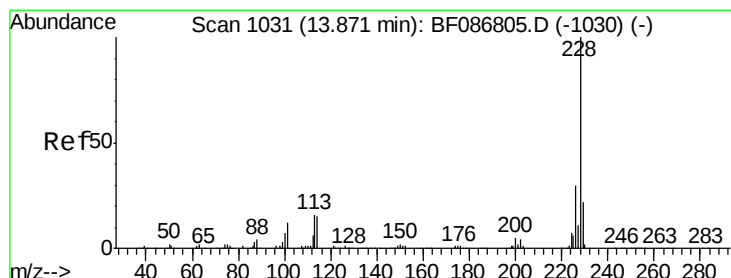
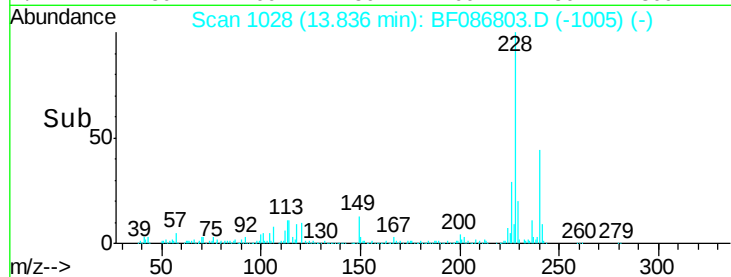
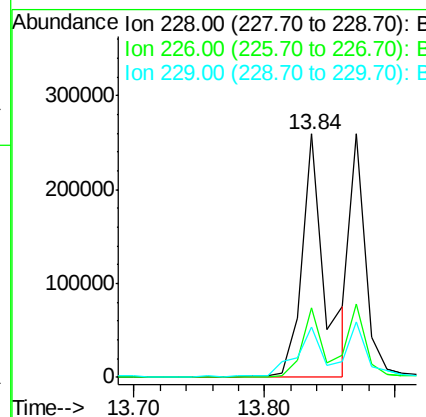
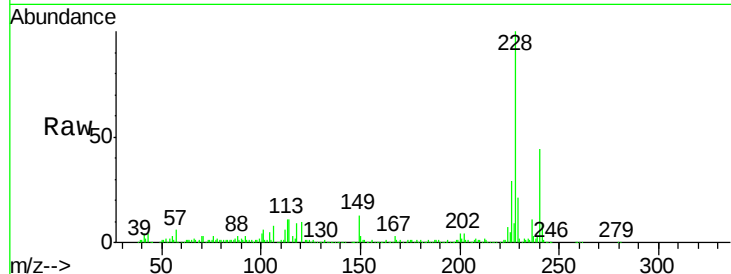
#80
Benzo(a)anthracene
Concen: 13.17 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampleId :
TP-14D02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	311687		
226	28.8	22.5	33.7	
229	20.8	16.6	25.0	

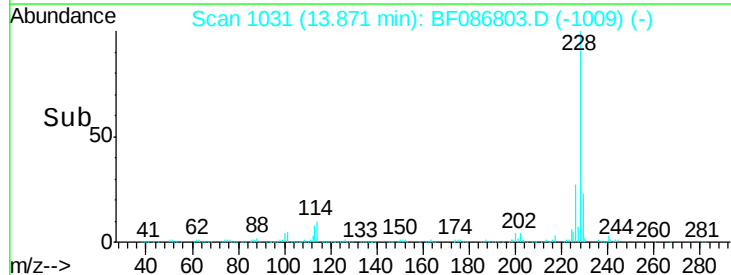
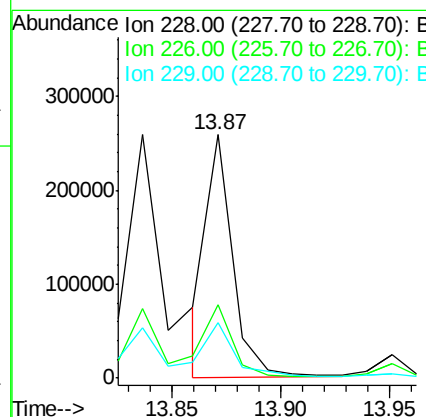
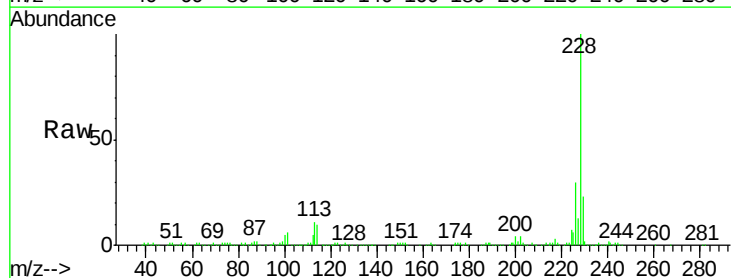
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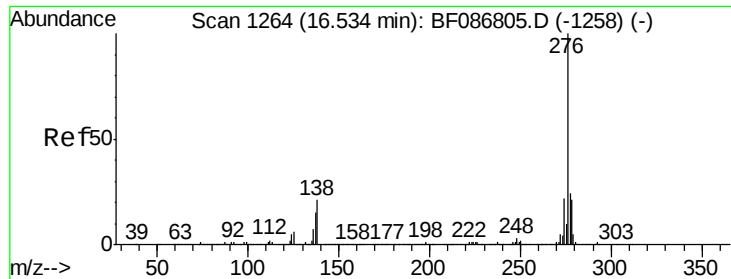
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#82
Chrysene
Concen: 8.55 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	215896		
226	30.3	24.4	36.6	
229	22.5	15.8	23.8	





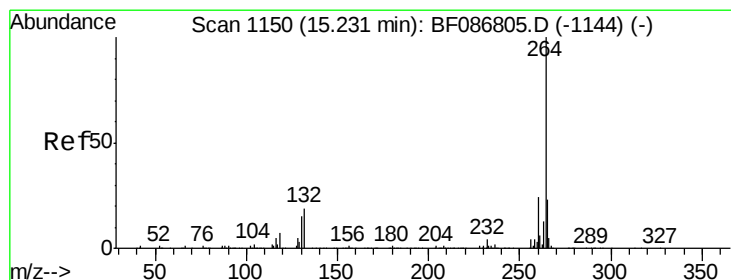
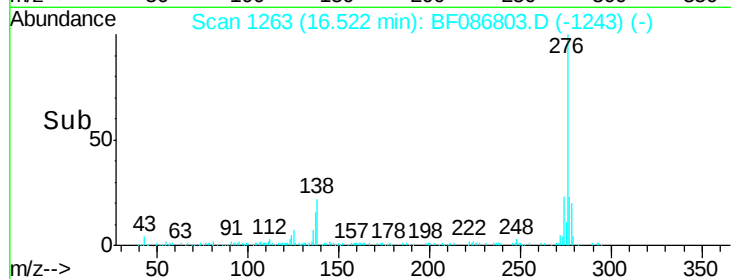
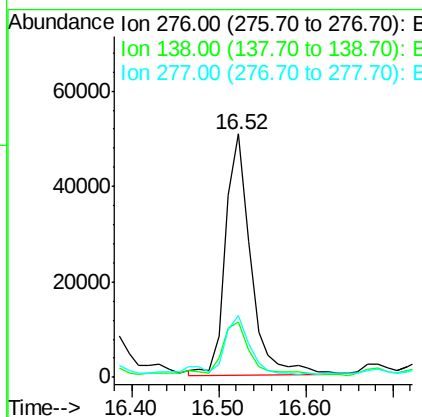
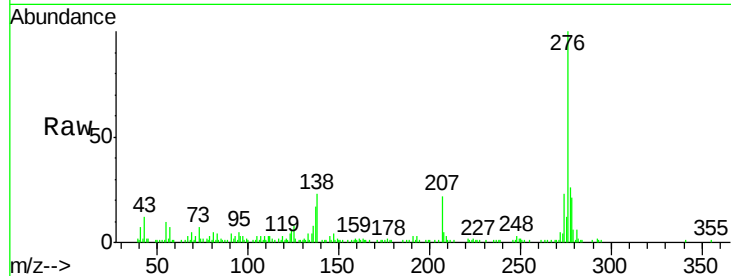
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.73 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.6	38.4
277	26.3	20.5	30.7

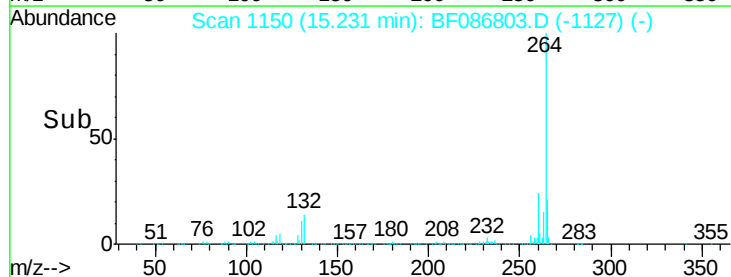
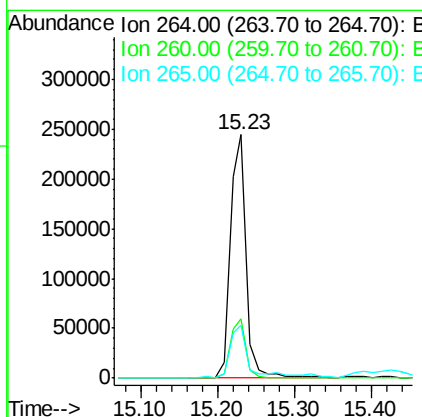
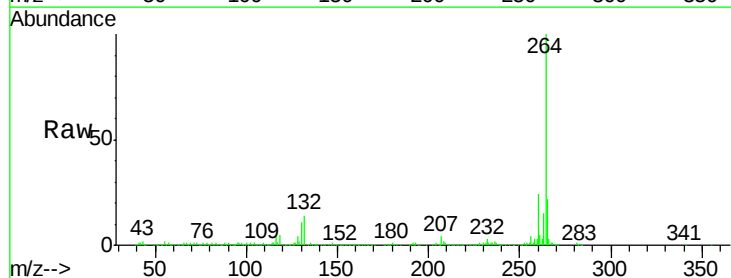
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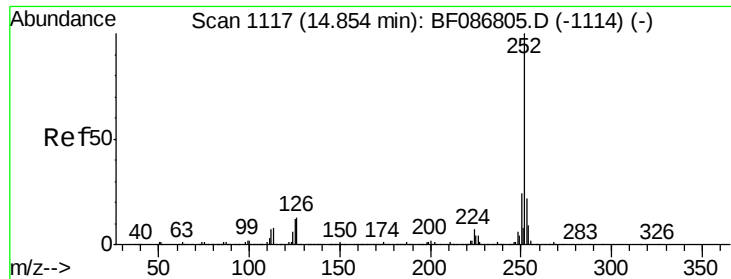
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#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086803.D
 Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.5	17.3	25.9





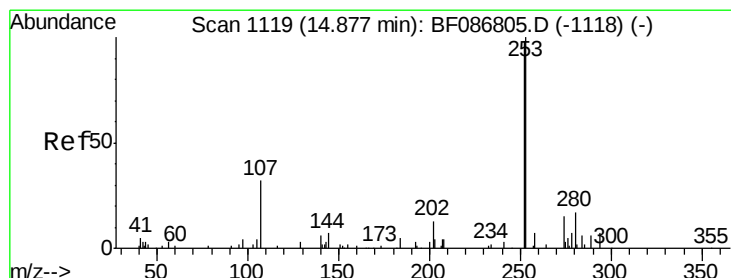
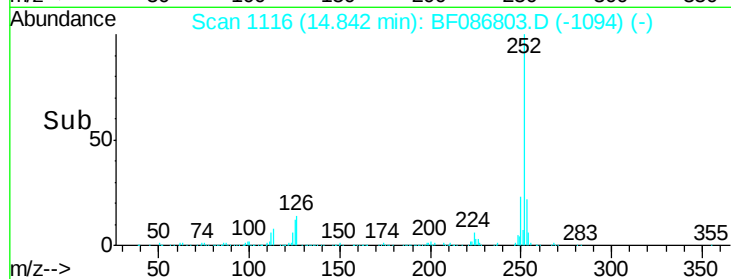
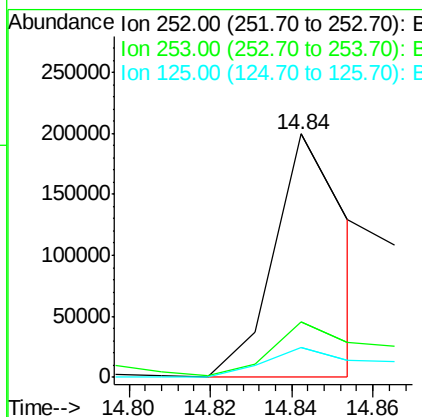
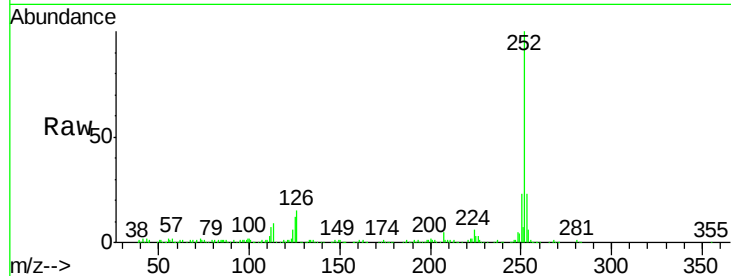
#87
Benzo(b)fluoranthene
Concen: 11.65 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Instrument :
BNA_F
ClientSampled :
TP-14D02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	251195		
253	22.7	17.8	26.6	
125	12.3	11.4	17.0	

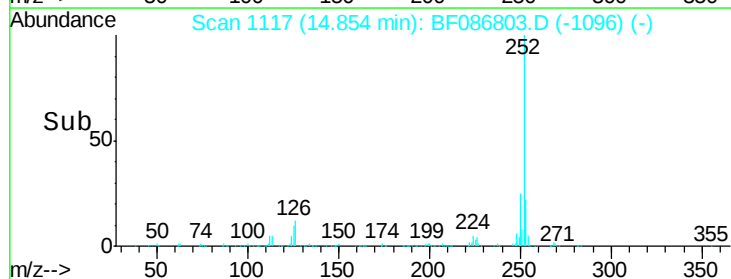
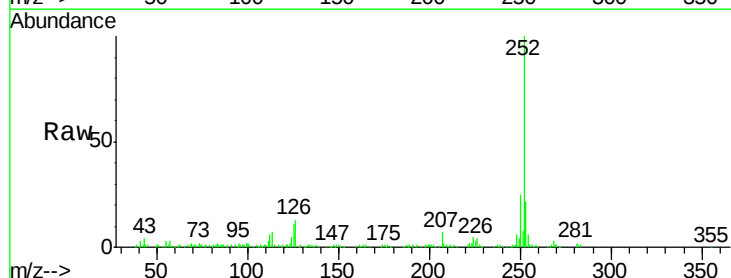
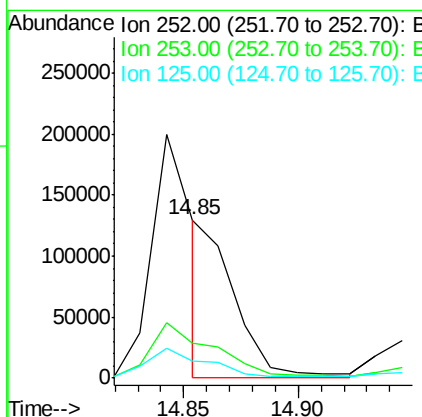
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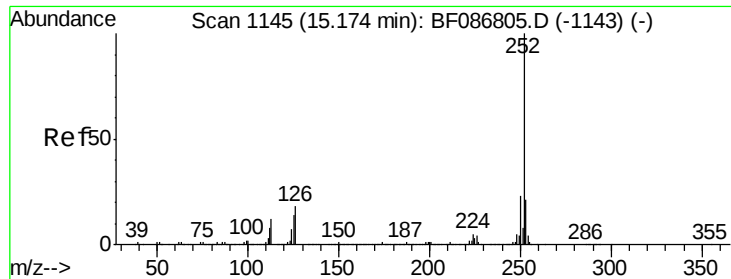
Sohil
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#88
Benzo(k)fluoranthene
Concen: 5.81 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF086803.D
Acq: 8 May 2016 5:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	118095		
253	22.5	17.8	26.6	
125	11.2	9.1	13.7	





#89

Benzo(a)pyrene

Concen: 8.68 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Instrument :

BNA_F

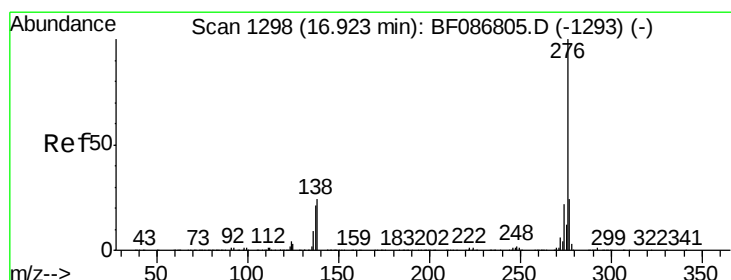
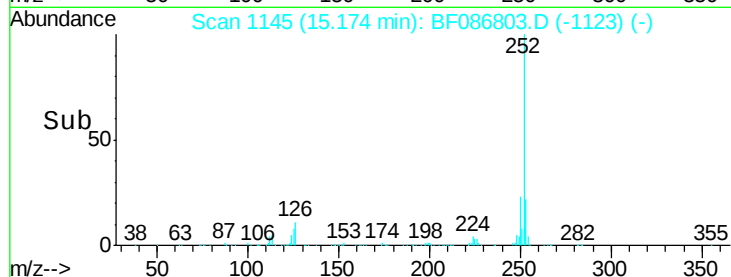
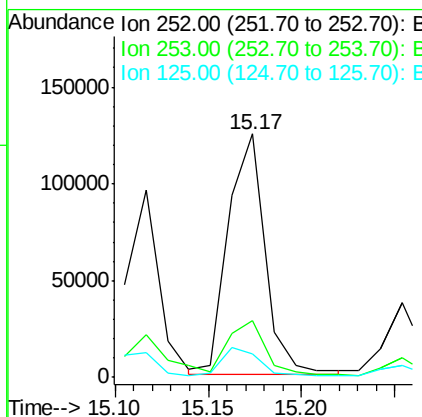
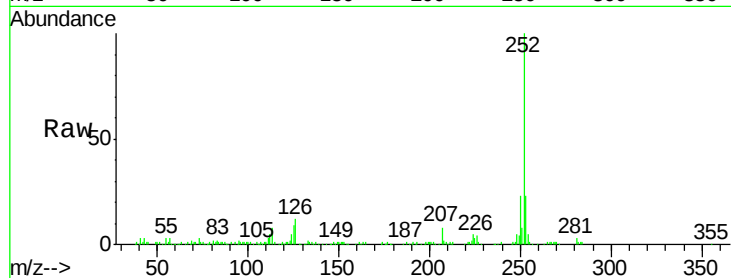
ClientSampleId :

TP-14D02

Tgt Ion:	252	Resp:	172391
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.2	25.8
125	9.4	9.0	13.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 4.51 ng m

RT: 16.91 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF086803.D

Acq: 8 May 2016 5:15

Tgt Ion:	276	Resp:	90344
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.6	29.4
138	23.4	23.6	35.4#

