

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086503.D
 Acq On : 29 Apr 2016 20:27
 Operator : UM/SJ
 Sample : H2757-02 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2(1-2)

Manual Integrations
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 4/30/2016 11:22:49 AM

Quant Time: Apr 30 01:43:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	154287	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	662853	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	279285	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	438249	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	324866	20.00	ng	-0.03
86) Perylene-d12	15.32	264	274296	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	99809	11.16	ng	-0.03
7) Phenol-d6	6.41	99	144897	11.61	ng	-0.03
23) Nitrobenzene-d5	7.33	82	81192	6.60	ng	-0.05
41) 2,4,6-Tribromophenol	10.60	330	26398	8.96	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	179021	3.84	ng	-0.03
78) Terphenyl-d14	12.88	244	113782	7.72	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.32	178	308315	13.41	ng	99
71) Anthracene	11.37	178	102934	4.19	ng	99
74) Fluoranthene	12.50	202	505960	21.79	ng	98
77) Pyrene	12.73	202	468219	20.00	ng	99
80) Benzo(a)anthracene	13.92	228	267962	15.47	ng	99
82) Chrysene	13.95	228	189151m	10.05	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	110446	7.92	ng	92
87) Benzo(b)fluoranthene	14.93	252	235199m	14.58	ng	
88) Benzo(k)fluoranthene	14.95	252	115225m	6.85	ng	
89) Benzo(a)pyrene	15.27	252	196539	12.90	ng	# 94
91) Benzo(g,h,i)perylene	17.07	276	102048	8.17	ng	94

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

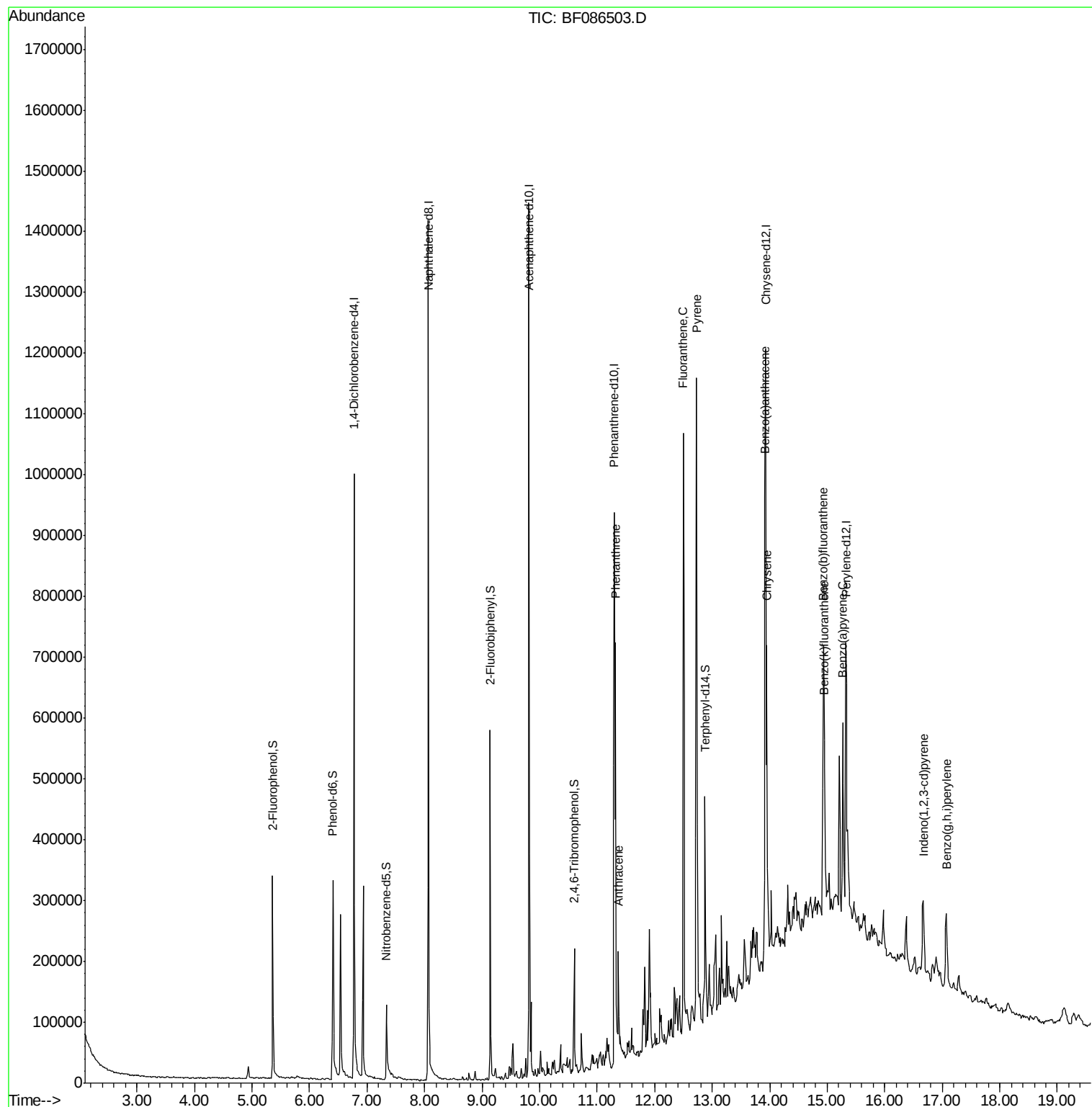
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086503.D
Acq On : 29 Apr 2016 20:27
Operator : UM/SJ
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Misc :
ALS Vial : 12 Sample Multiplier: 1

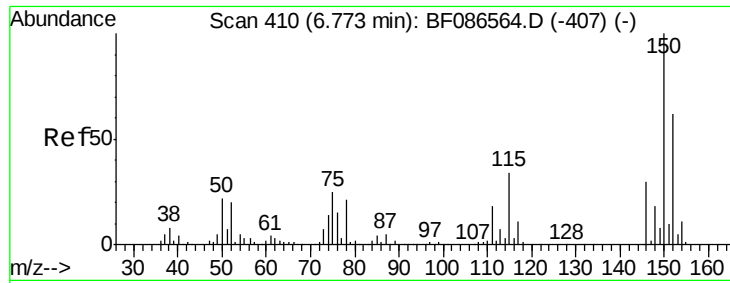
Instrument :
BNA_F
ClientSampleId :
B2(1-2)

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Quant Time: Apr 30 01:43:18 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

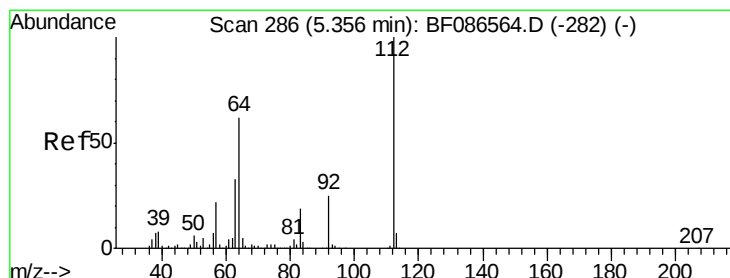
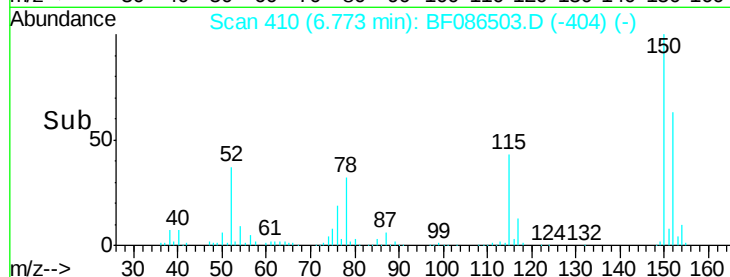
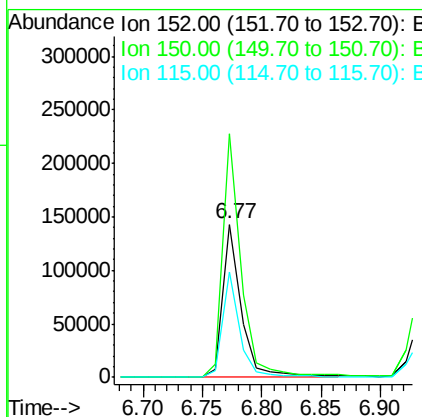
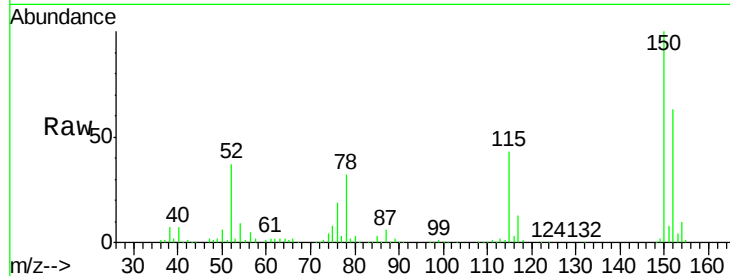
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086503.D
Acq: 29 Apr 2016 20:27

Instrument :
BNA_F
ClientSampleId :
B2(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.8	188.6
115	68.4	51.5	77.3

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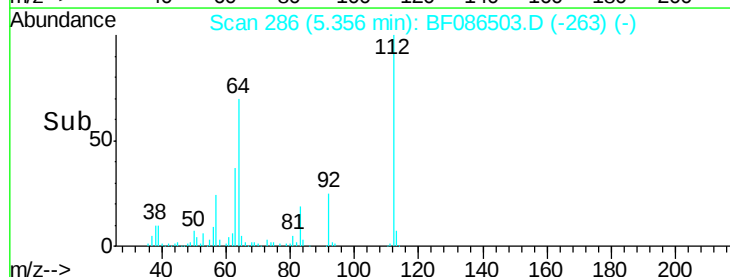
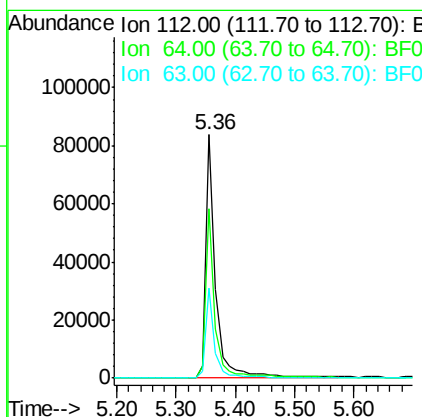
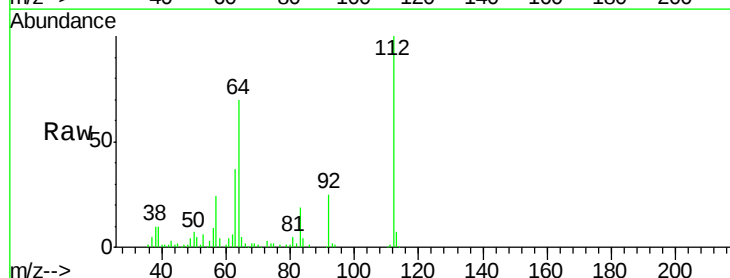
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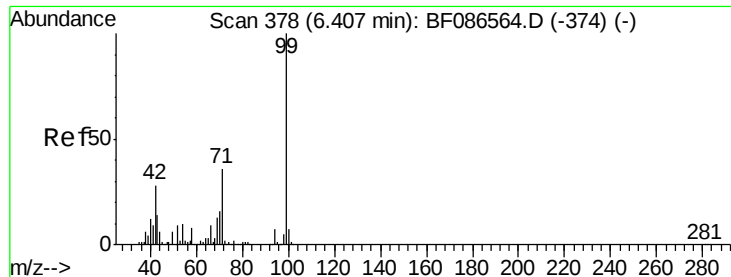


#5

2-Fluorophenol
Concen: 11.16 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.03 min
Lab File: BF086503.D
Acq: 29 Apr 2016 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	52.1	78.1
63	37.1	25.7	38.5





#7

Phenol-d6

Concen: 11.61 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Instrument :

BNA_F

ClientSampleId :

B2(1-2)

Tot Ion: 99 Resp: 144897

Ion Ratio Lower Upper

99 100

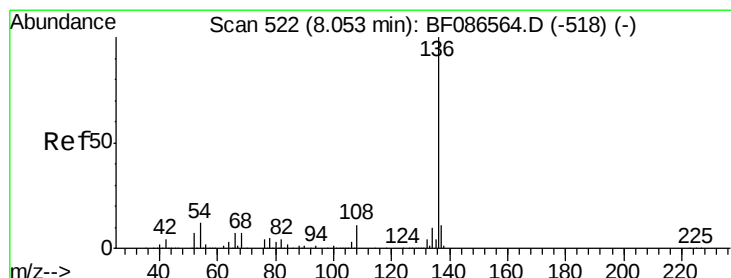
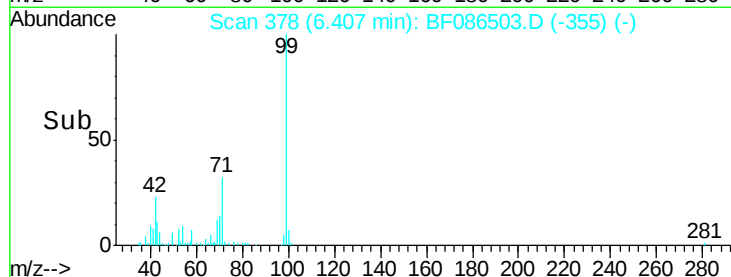
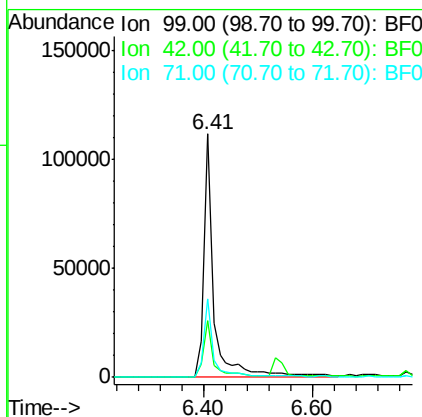
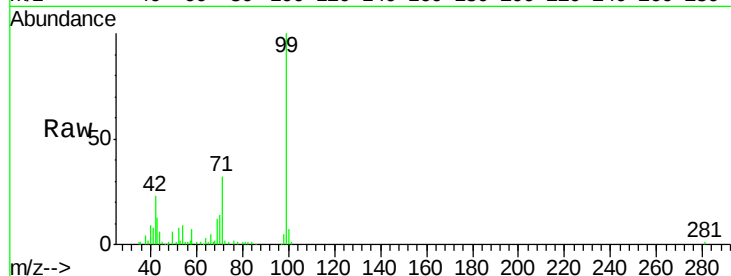
42 23.4 13.6 20.4#

71 32.0 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Tgt Ion: 136 Resp: 662853

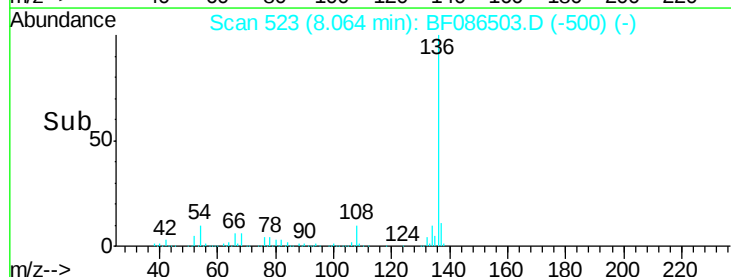
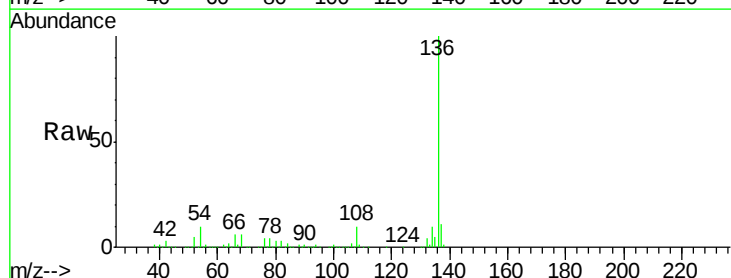
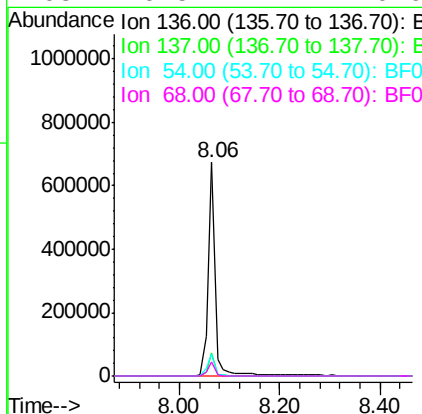
Ion Ratio Lower Upper

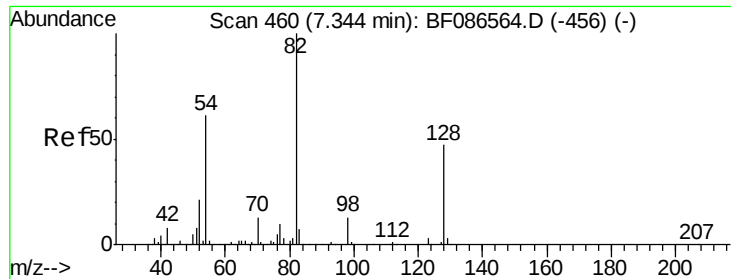
136 100

137 11.1 8.8 13.2

54 10.4 5.0 7.4#

68 6.5 4.4 6.6





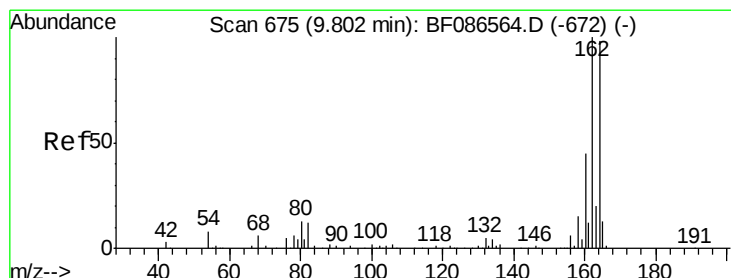
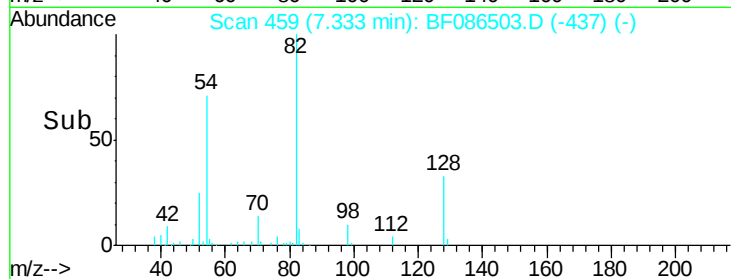
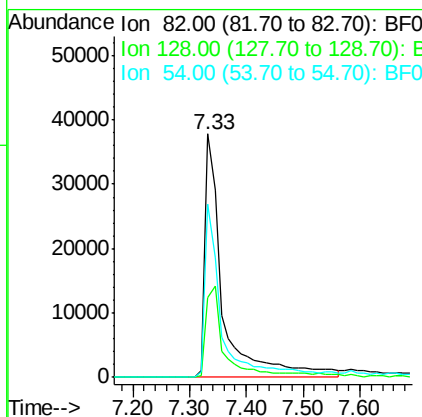
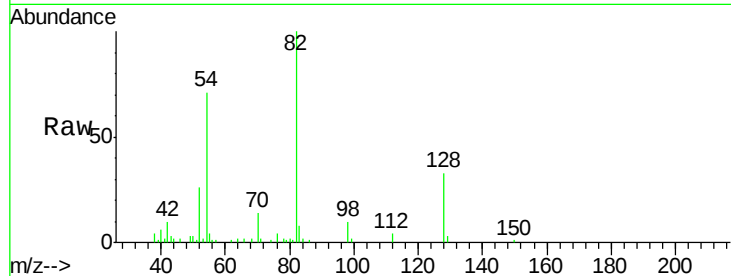
#23
 Nitrobenzene-d5
 Concen: 6.60 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086503.D
 Acq: 29 Apr 2016 20:27

Instrument :
 BNA_F
 ClientSampleID :
 B2(1-2)

Tot Ion	82	Resp	81192
Ion Ratio	100	Lower	Upper
82	100		
128	32.6	40.6	61.0#
54	71.4	38.1	57.1#

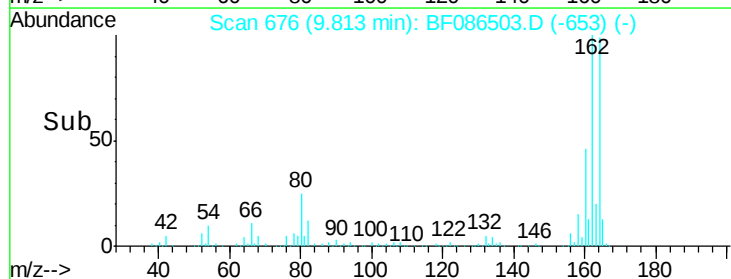
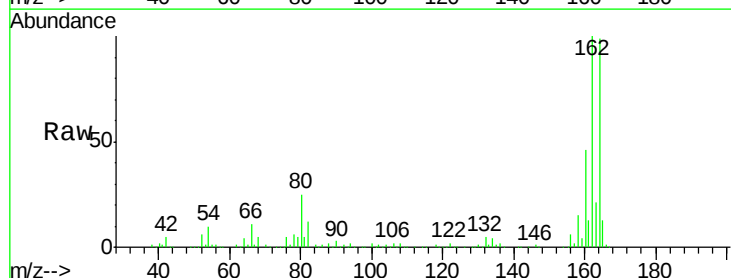
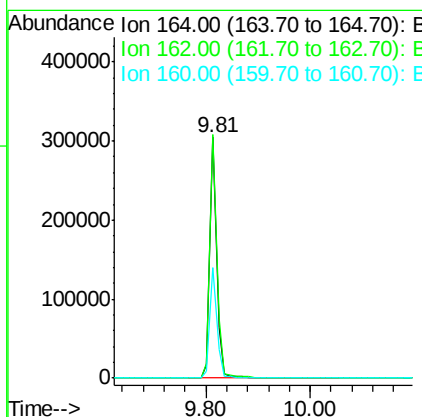
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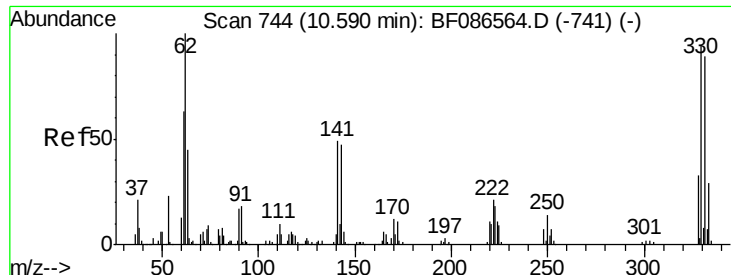
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086503.D
 Acq: 29 Apr 2016 20:27

Tgt Ion	164	Resp	279285
Ion Ratio	100	Lower	Upper
164	100		
162	101.0	82.8	124.2
160	46.0	36.9	55.3





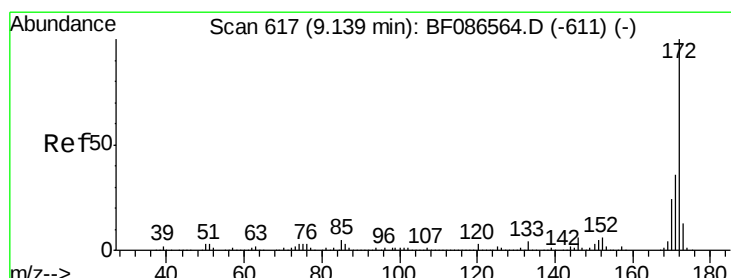
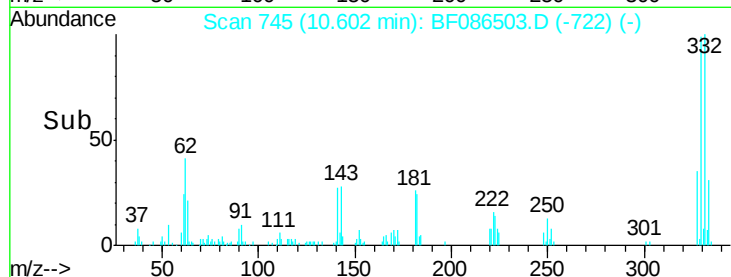
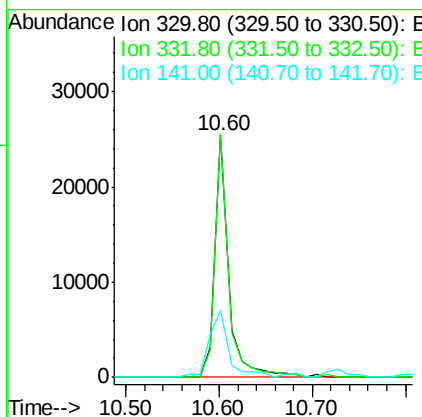
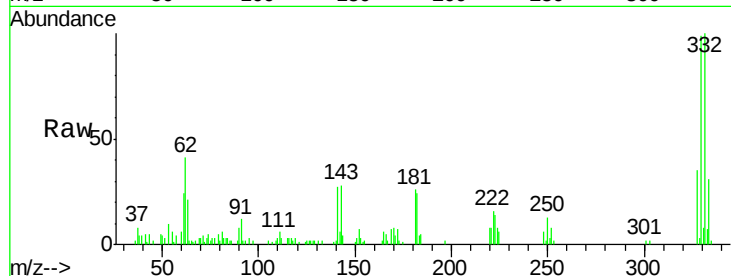
#41
 2,4,6-Tribromophenol
 Concen: 8.96 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086503.D
 Acq: 29 Apr 2016 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B2(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	79.0	118.4	
141	39.3	31.2	46.8	

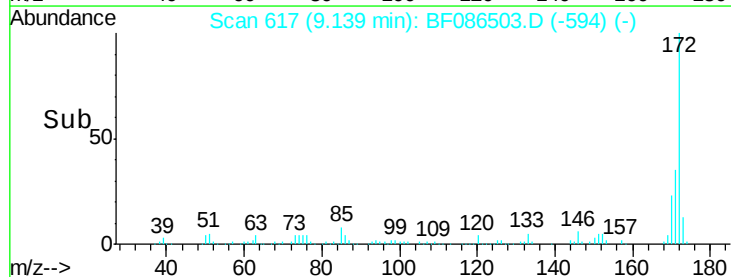
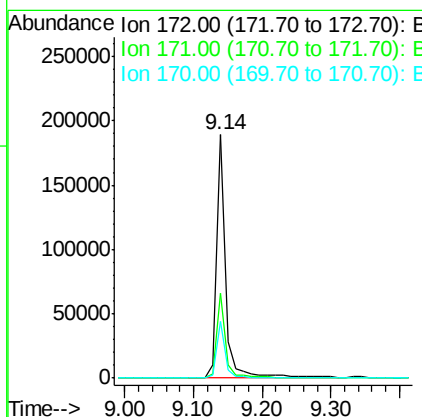
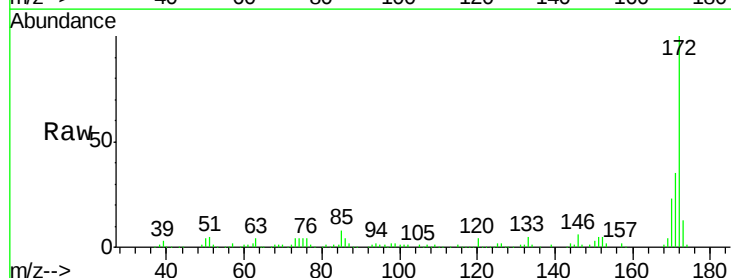
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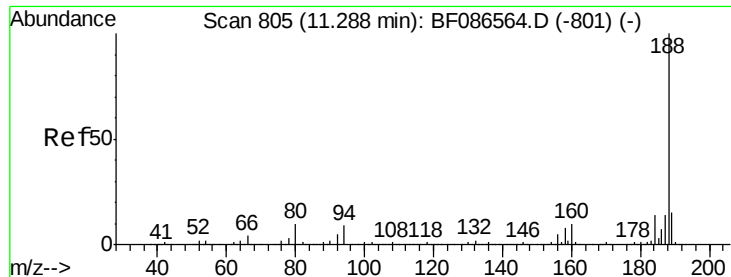
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#44
 2-Fluorobiphenyl
 Concen: 3.84 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086503.D
 Acq: 29 Apr 2016 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	29.0	43.6	
170	23.3	19.8	29.8	





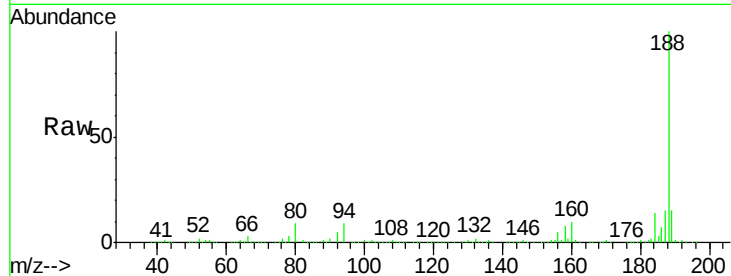
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086503.D
Acq: 29 Apr 2016 20:27

Instrument :
BNA_F
ClientSampled :
B2(1-2)

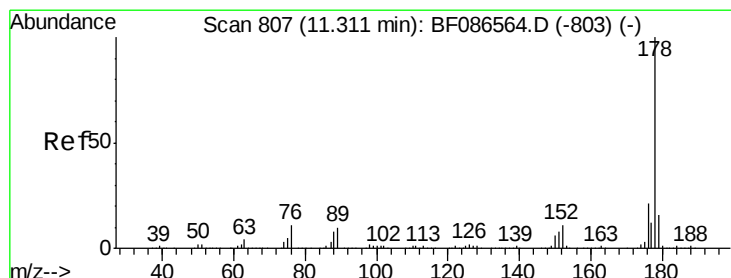
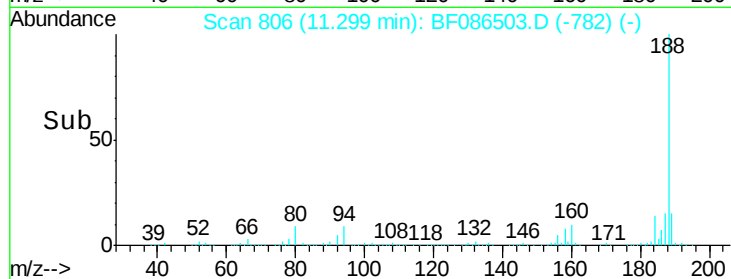
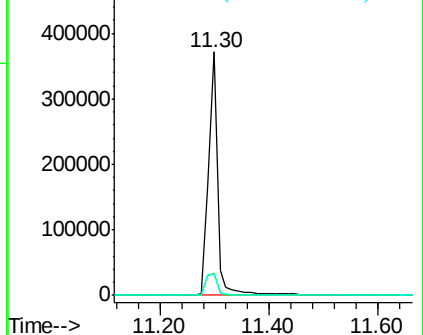
Tot Ion:	188	Resp:	438249
Ion Ratio	Lower	Upper	
188	100		
94	9.0	6.8	10.2
80	8.8	7.1	10.7

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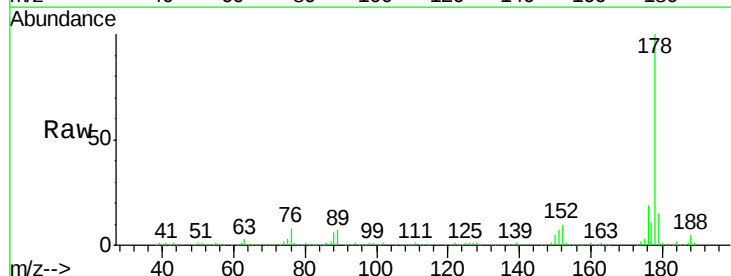


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

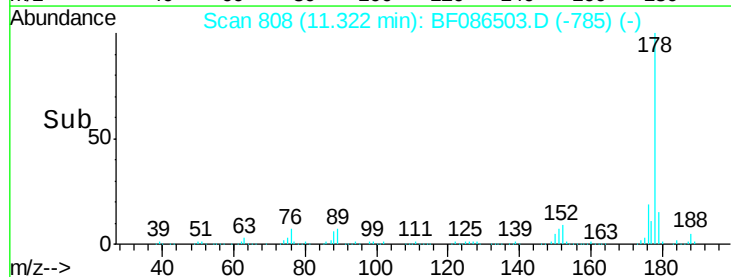
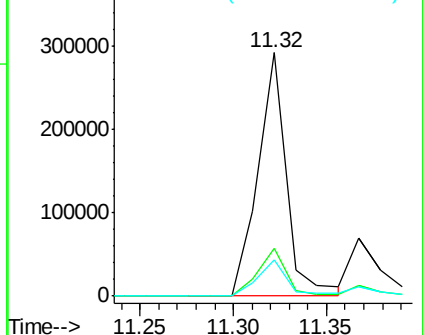


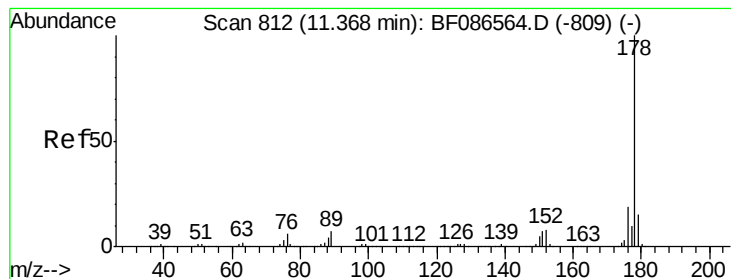
#70
Phenanthrene
Concen: 13.41 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF086503.D
Acq: 29 Apr 2016 20:27

Tgt Ion:	178	Resp:	308315
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.0	24.0
179	15.0	12.6	18.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





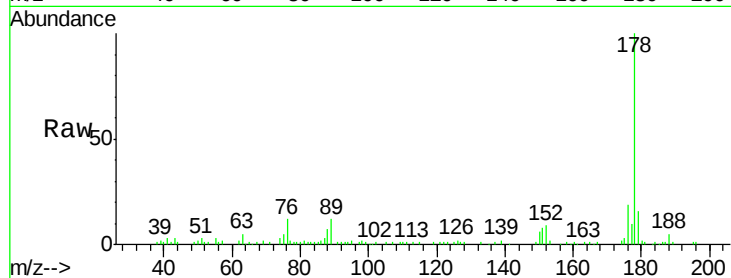
#71
 Anthracene
 Concen: 4.19 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF086503.D
 Acq: 29 Apr 2016 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B2(1-2)

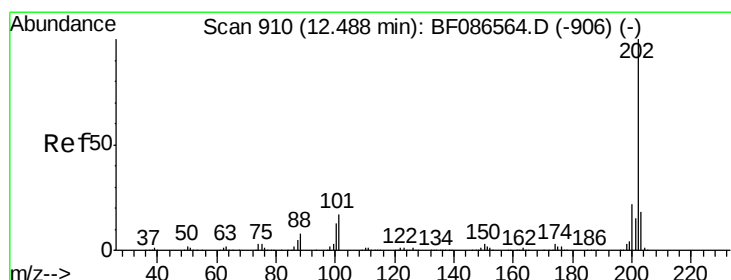
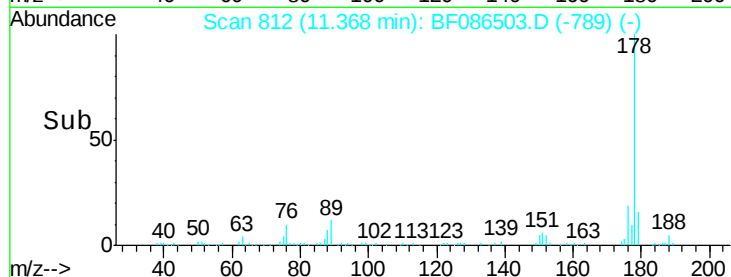
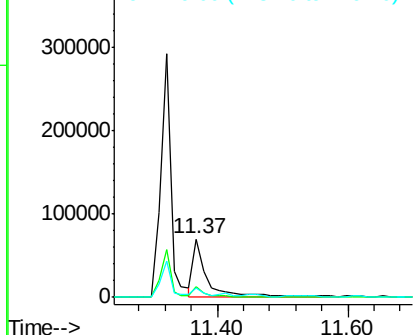
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	16.2	12.7	19.1

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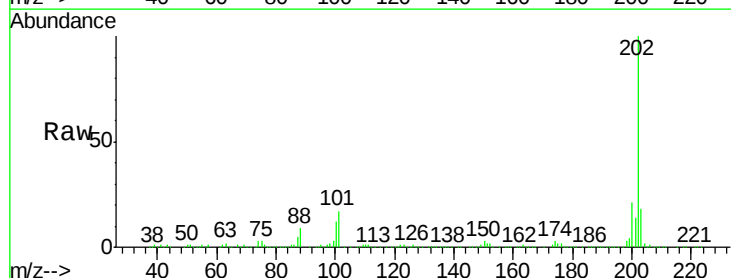


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

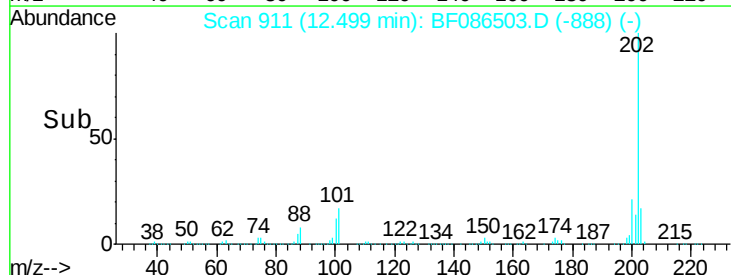
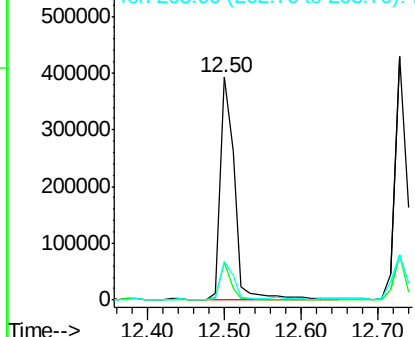


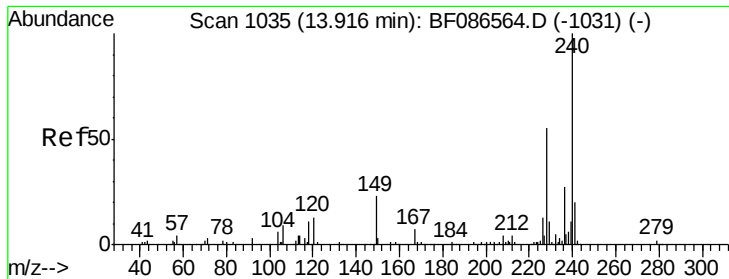
#74
 Fluoranthene
 Concen: 21.79 ng
 RT: 12.50 min Scan# 911
 Delta R.T. -0.03 min
 Lab File: BF086503.D
 Acq: 29 Apr 2016 20:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	35.4
203	17.7	0.0	38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Instrument :

BNA_F

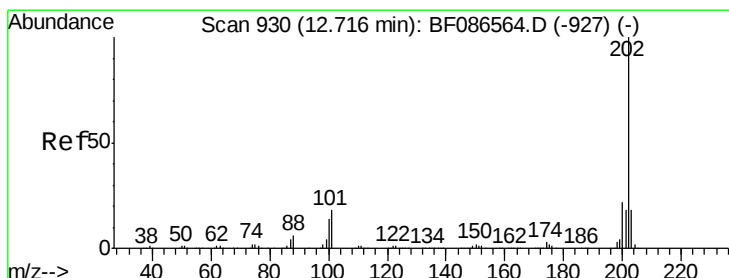
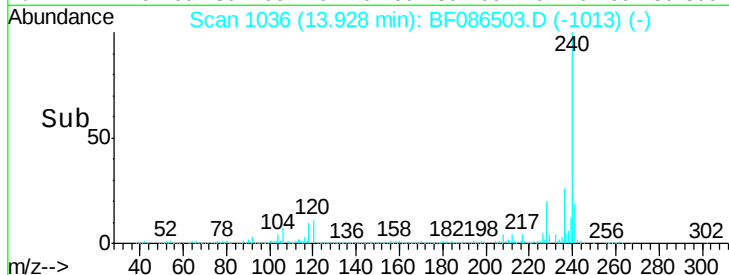
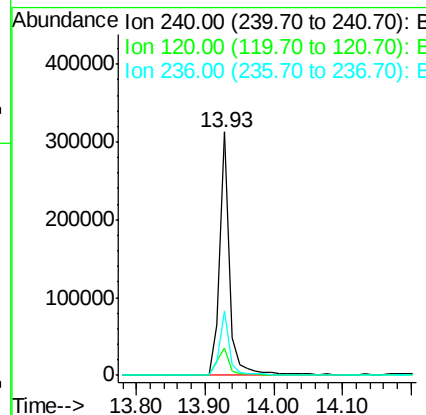
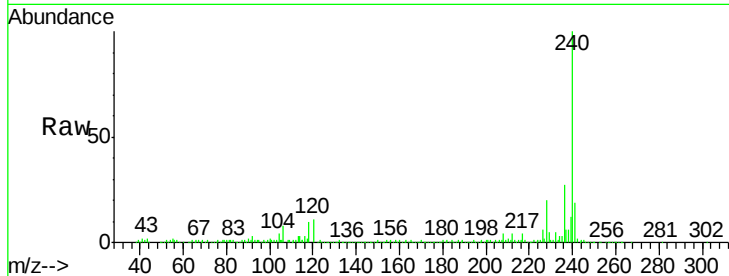
ClientSampleId :

B2(1-2)

Tot Ion:	240	Resp:	324866
Ion Ratio	Lower	Upper	
240	100		
120	11.3	11.2	16.8
236	26.7	21.2	31.8

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#77

Pyrene

Concen: 20.00 ng

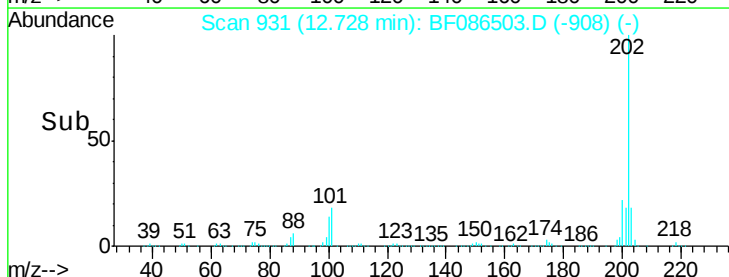
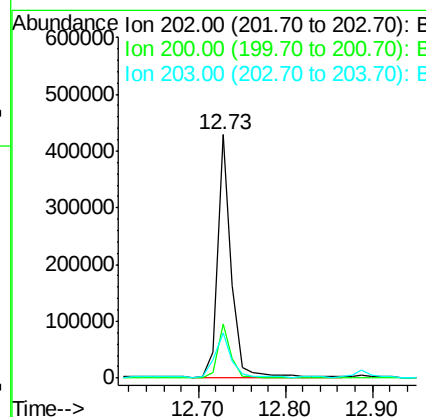
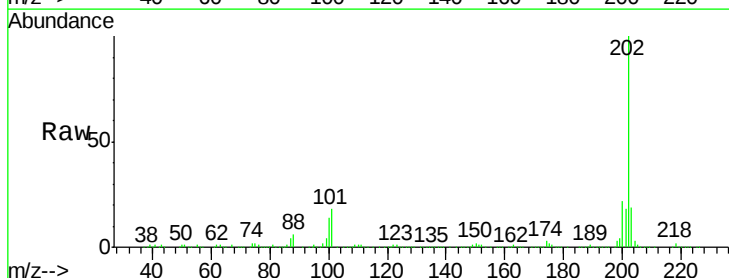
RT: 12.73 min Scan# 931

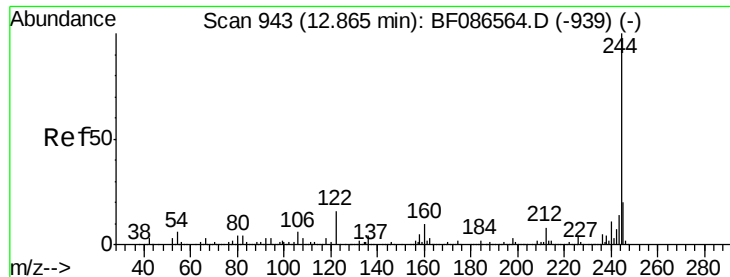
Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Tgt Ion:	202	Resp:	468219
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.7	26.5
203	18.7	14.2	21.4





#78

Terphenyl-d14

Concen: 7.72 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Instrument :

BNA_F

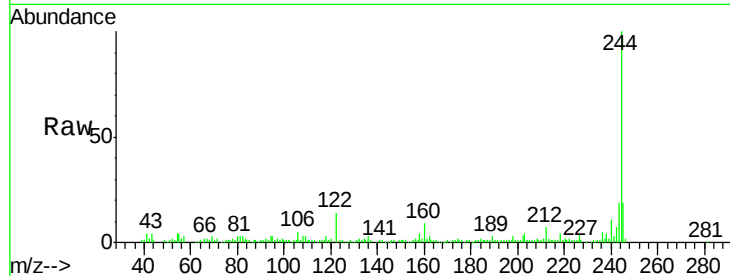
ClientSampled :

B2(1-2)

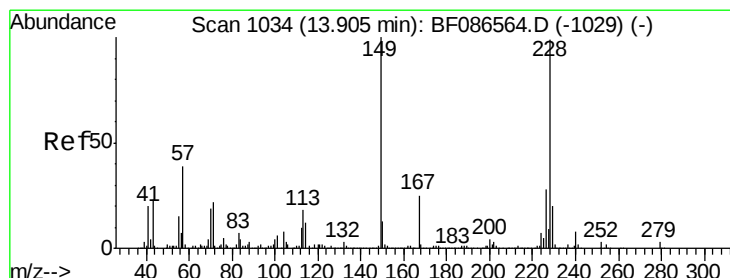
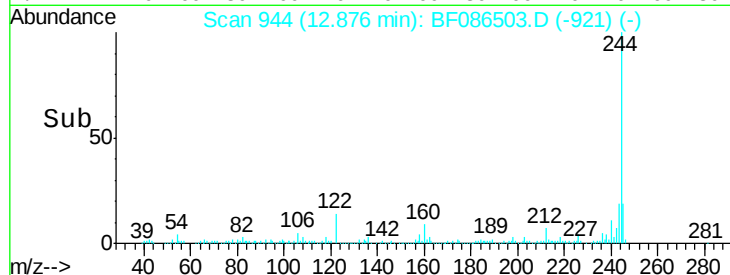
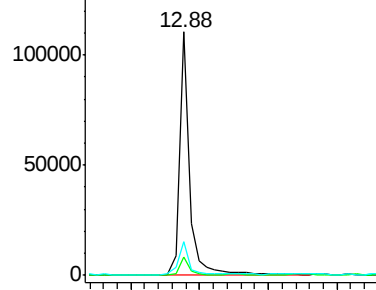
Tot Ion:	244	Resp:	113782
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	13.8	12.0	18.0

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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: 15.47 ng

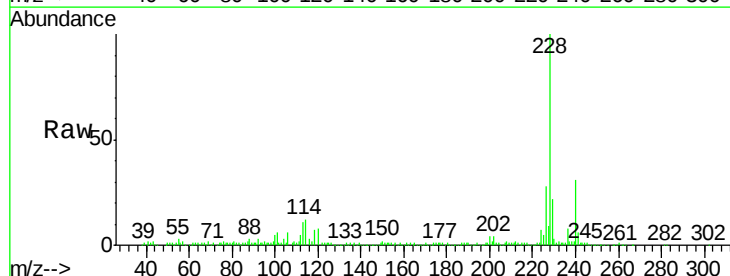
RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

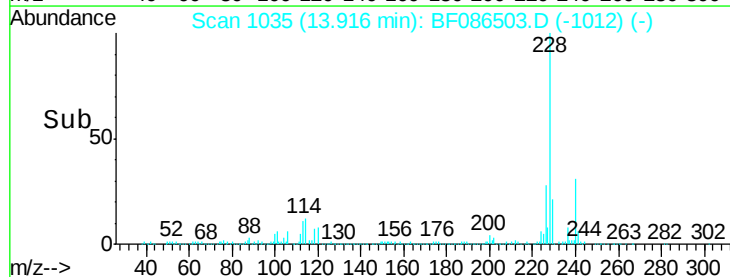
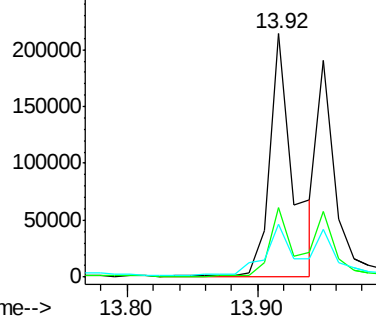
Lab File: BF086503.D

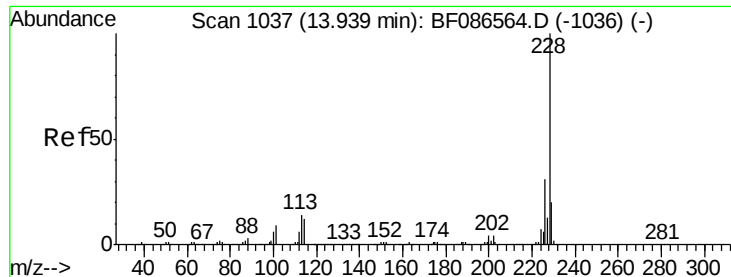
Acq: 29 Apr 2016 20:27

Tgt Ion:	228	Resp:	267962
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.5	33.7
229	21.8	16.6	25.0



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





#82

Chrysene

Concen: 10.05 ng/mL

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Instrument :

BNA_F

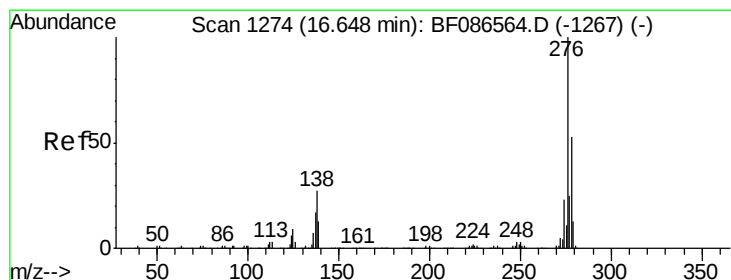
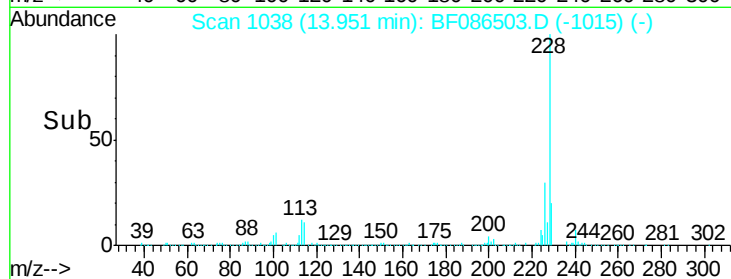
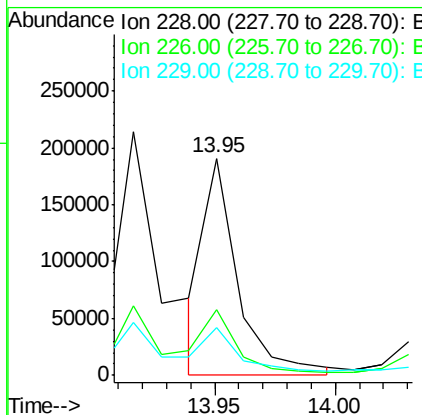
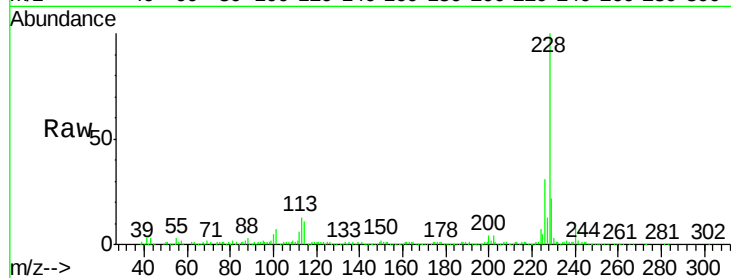
ClientSampleId :

B2(1-2)

Tot Ion:	228	Resp:	189151
Ion Ratio		Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.2	15.8	23.8

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.92 ng/mL

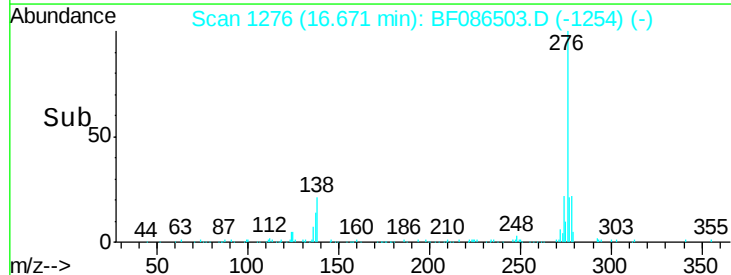
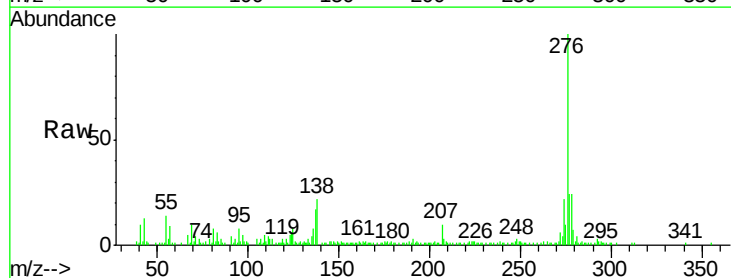
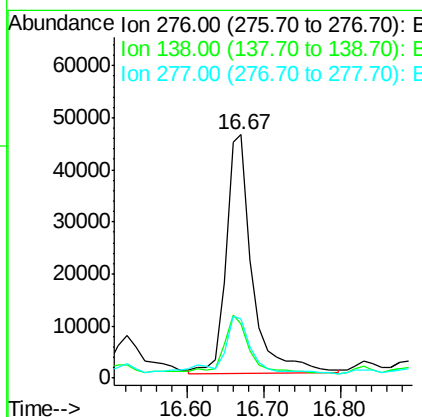
RT: 16.67 min Scan# 1276

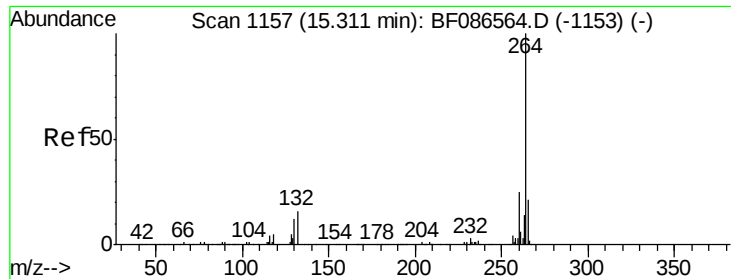
Delta R.T. -0.05 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Tgt Ion:	276	Resp:	110446
Ion Ratio		Lower	Upper
276	100		
138	26.0	25.6	38.4
277	23.7	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.03 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Instrument :

BNA_F

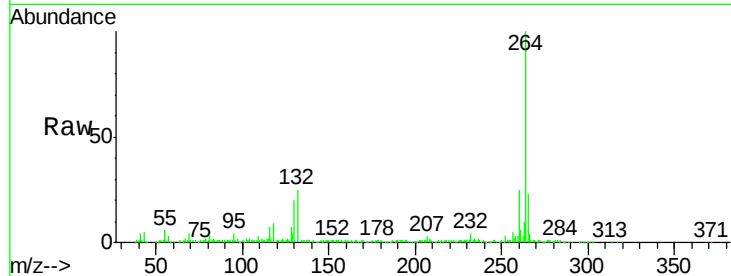
ClientSampleId :

B2(1-2)

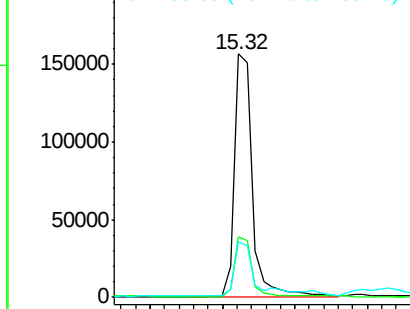
Tot Ion:	264	Resp:	274296
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	22.6	17.3	25.9

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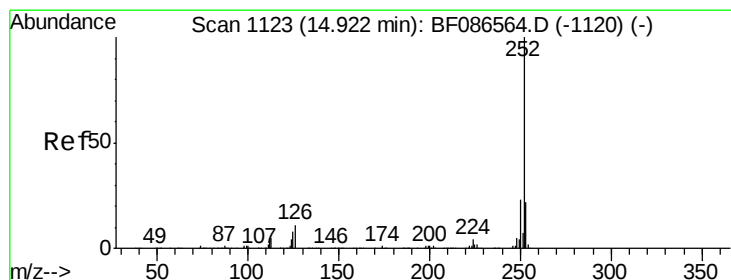
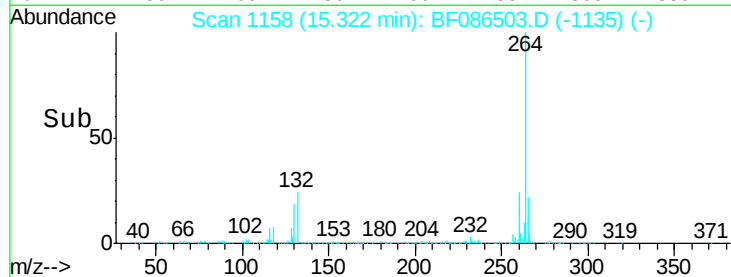
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 14.58 ng m

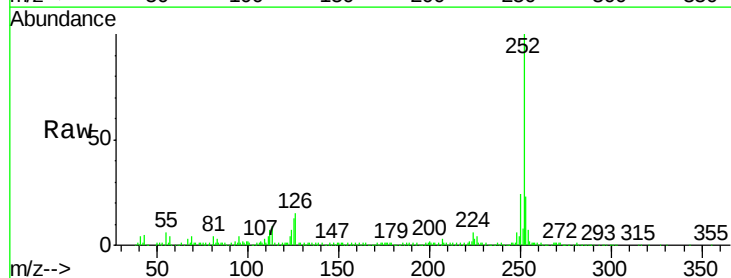
RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

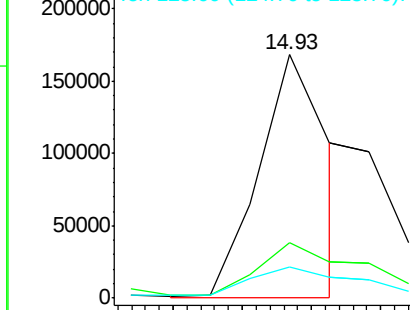
Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

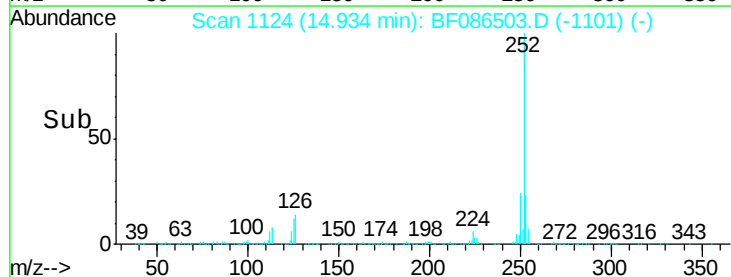
Tgt Ion:	252	Resp:	235199
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	13.1	11.4	17.0

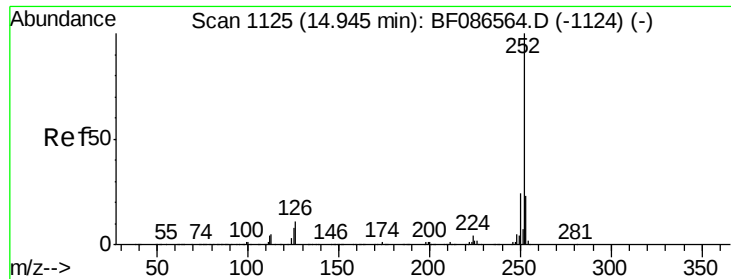


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





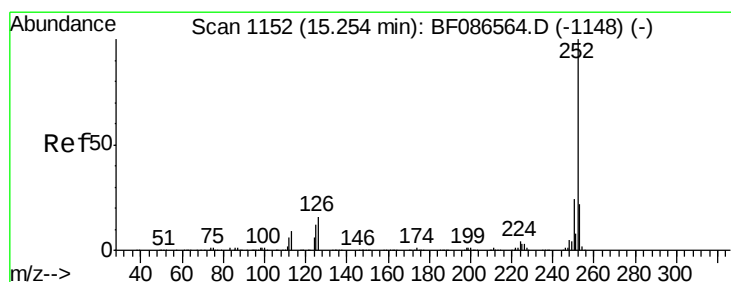
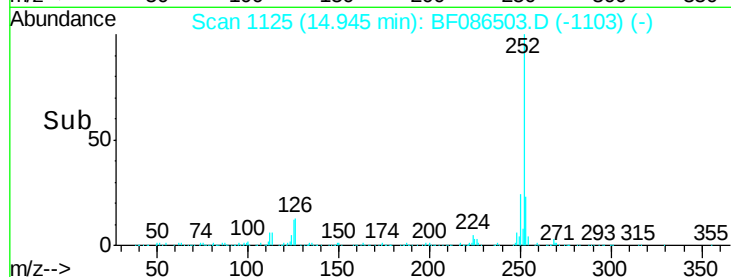
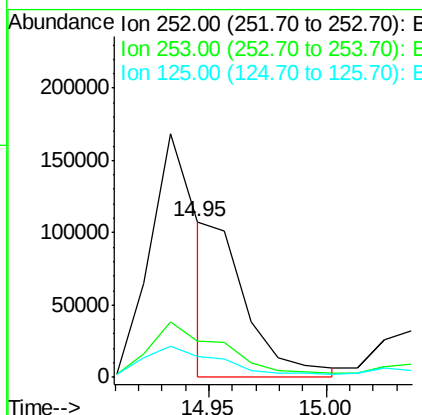
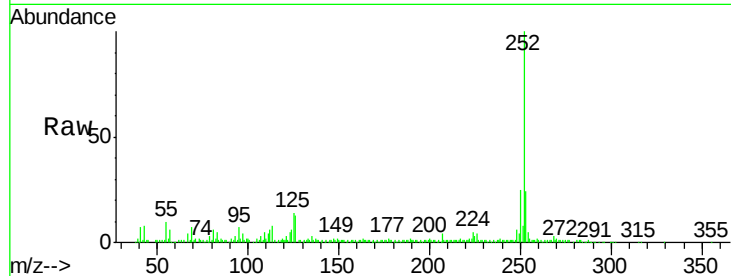
#88
Benzo(k)fluoranthene
Concen: 6.85 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF086503.D
Acq: 29 Apr 2016 20:27

Instrument :
BNA_F
ClientSampleId :
B2(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	115225		
253	23.7	17.8	26.6	
125	13.6	9.1	13.7	

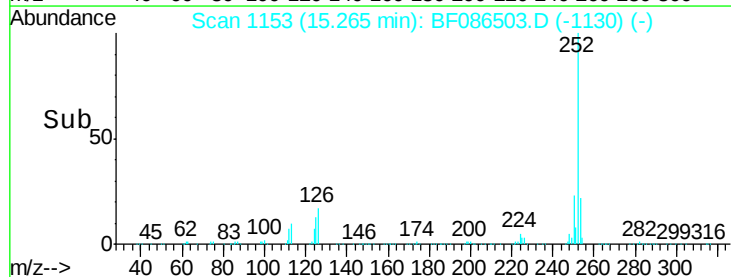
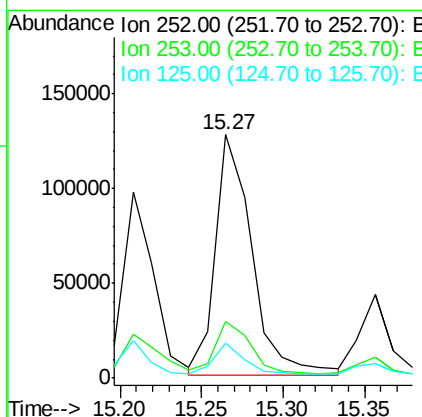
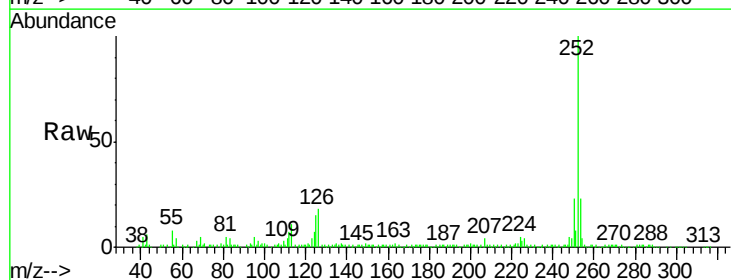
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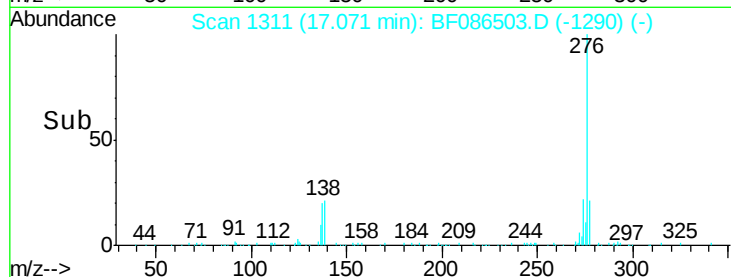
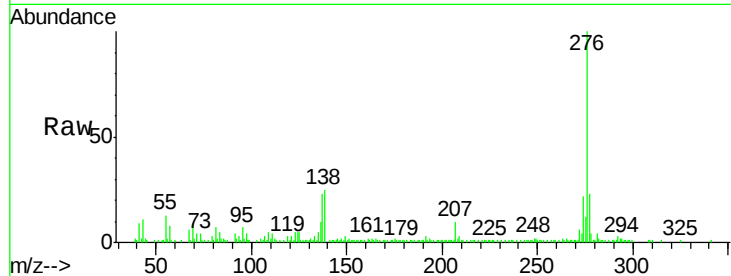
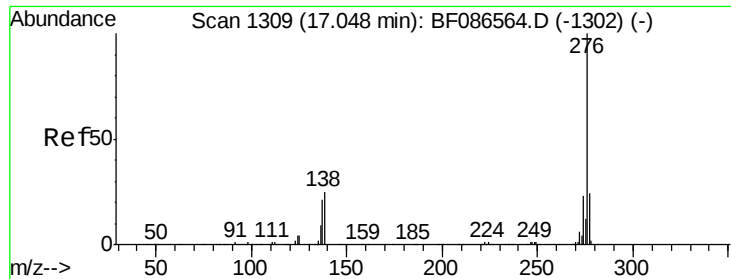
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#89
Benzo(a)pyrene
Concen: 12.90 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BF086503.D
Acq: 29 Apr 2016 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	196539		
253	23.5	17.2	25.8	
125	14.5	9.0	13.6#	





#91

Benzo(a,h,i)perylene

Concen: 8.17 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BF086503.D

Acq: 29 Apr 2016 20:27

Instrument :

BNA_F

ClientSampleId :

B2(1-2)

Tot Ion:	276	Resp:	102048
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.6	29.4
138	24.7	23.6	35.4

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