

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086270.D
 Acq On : 16 Apr 2016 17:13
 Operator : UM/SJ
 Sample : H2413-02 2X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-B-2(0-2)

Manual Integrations
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Quant Time: Apr 18 05:51:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	285518	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1147965	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	423837	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	646324	20.00	ng	0.00
75) Chrysene-d12	14.04	240	536494	20.00	ng	-0.01
86) Perylene-d12	15.48	264	477356	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	986383	56.60	ng	0.00
7) Phenol-d6	6.51	99	1158370	53.14	ng	-0.01
23) Nitrobenzene-d5	7.45	82	782306	39.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	172683	50.74	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1036884	45.14	ng	-0.01
78) Terphenyl-d14	13.00	244	662400	31.05	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	224245	7.28	ng	98
70) Phenanthrene	11.44	178	119368	3.87	ng	98
74) Fluoranthene	12.62	202	254727	4.52	ng	94
77) Pyrene	12.85	202	246567	5.99	ng	97
80) Benzo(a)anthracene	14.04	228	144042	4.89	ng	96
82) Chrysene	14.08	228	122424m	3.90	ng	
85) Indeno(1,2,3-cd)pyrene	16.89	276	57546	2.23	ng	96
87) Benzo(b)fluoranthene	15.07	252	154197m	5.24	ng	
88) Benzo(k)fluoranthene	15.08	252	71987m	2.68	ng	
89) Benzo(a)pyrene	15.43	252	109241	4.28	ng	# 93
91) Benzo(g,h,i)perylene	17.32	276	56239	2.35	ng	# 93

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

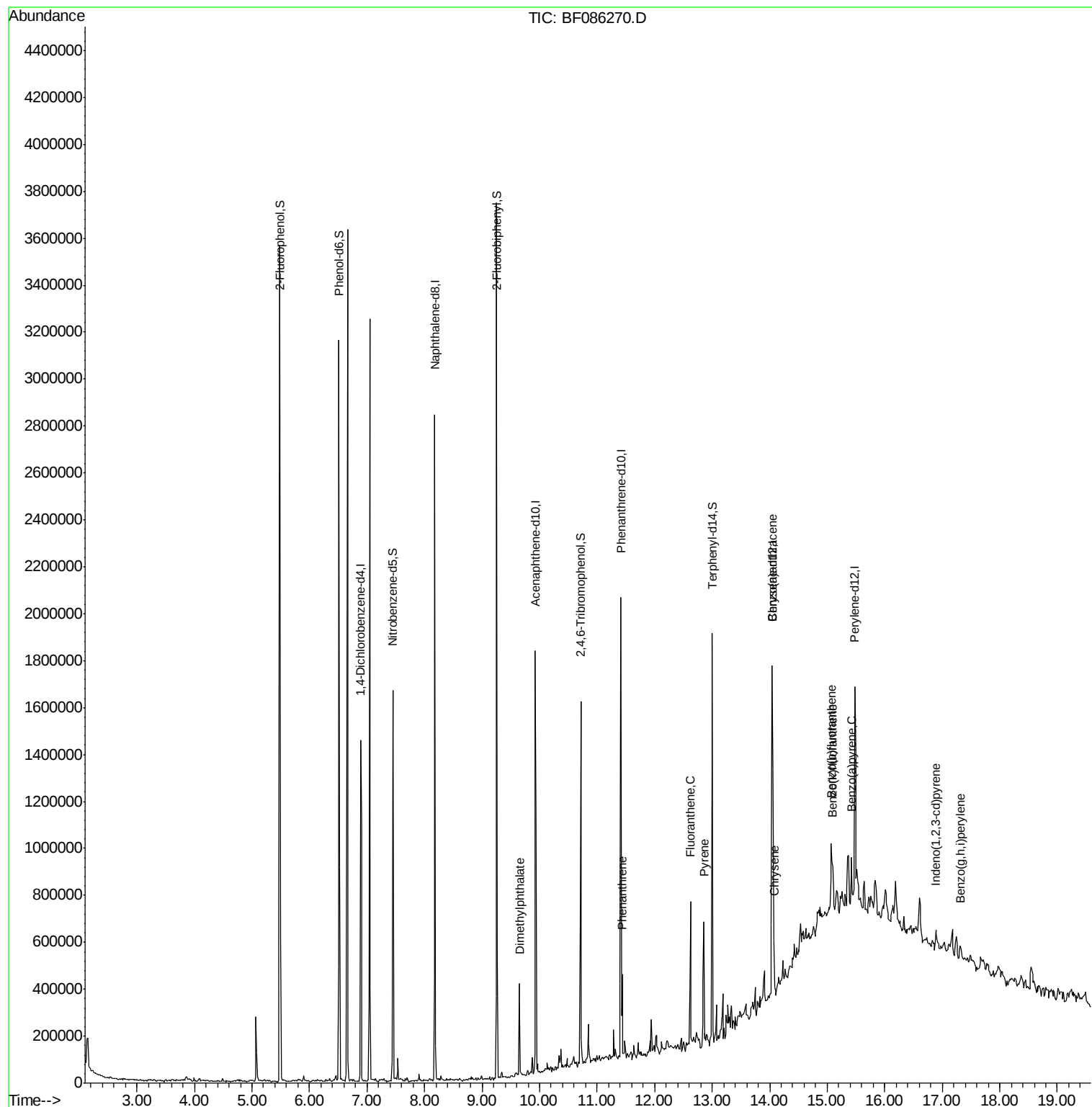
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086270.D
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Operator : UM/SJ
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Misc :
ALS Vial : 49 Sample Multiplier: 1

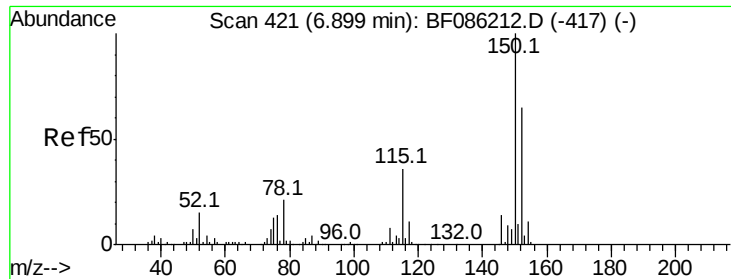
Instrument :
BNA_F
ClientSampleId :
SP-2-B-2(0-2)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Instrument :

BNA_F

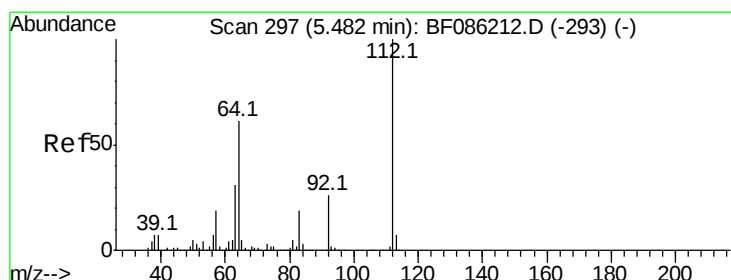
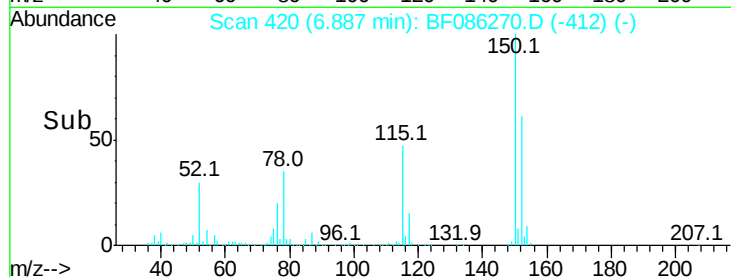
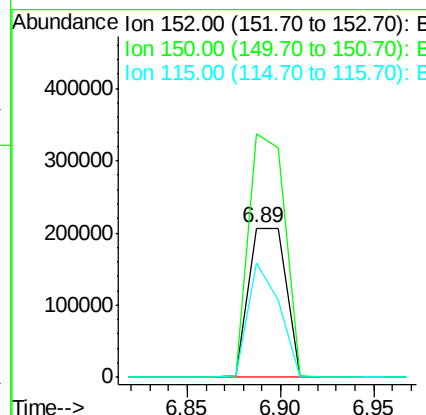
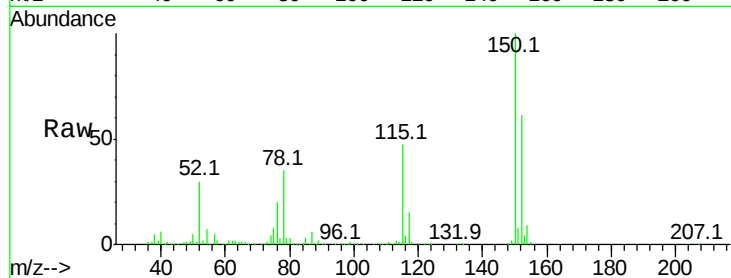
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	152	Resp:	285518
Ion Ratio	Lower	Upper	
152	100		
150	163.1	124.1	186.1
115	76.7	43.9	65.9#

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#5

2-Fluorophenol

Concen: 56.60 ng

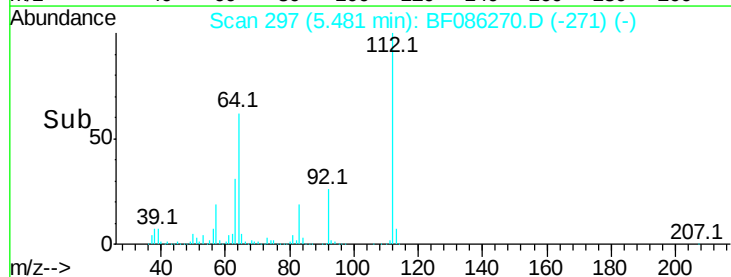
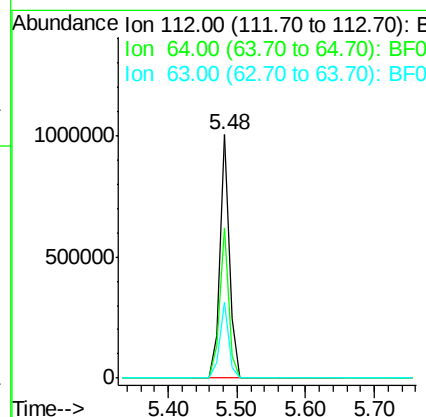
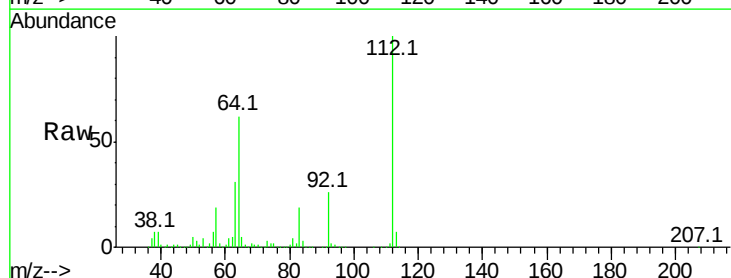
RT: 5.48 min Scan# 297

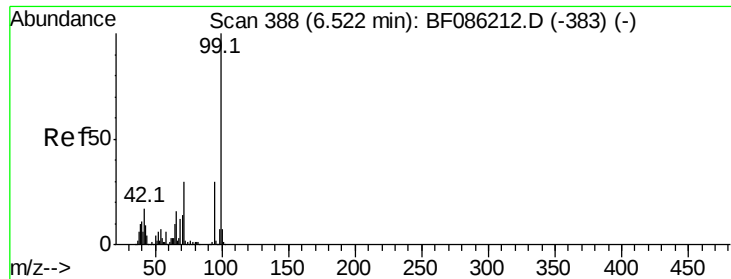
Delta R.T. 0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Tgt Ion:	112	Resp:	986383
Ion Ratio	Lower	Upper	
112	100		
64	61.7	48.1	72.1
63	31.1	25.5	38.3





#7

Phenol-d6

Concen: 53.14 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Instrument :

BNA_F

ClientSampled :

SP-2-B-2(0-2)

Tot Ion: 99 Resp: 1158370

Ion Ratio Lower Upper

99 100

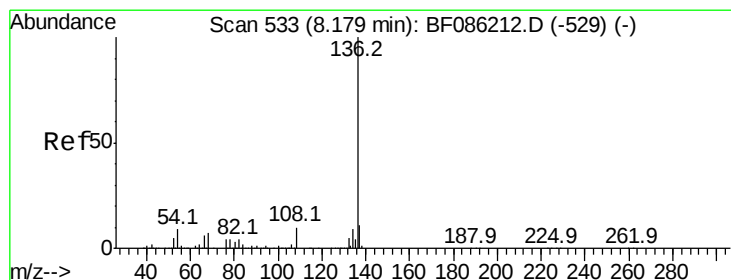
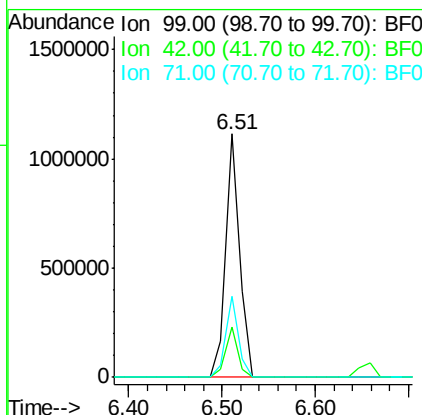
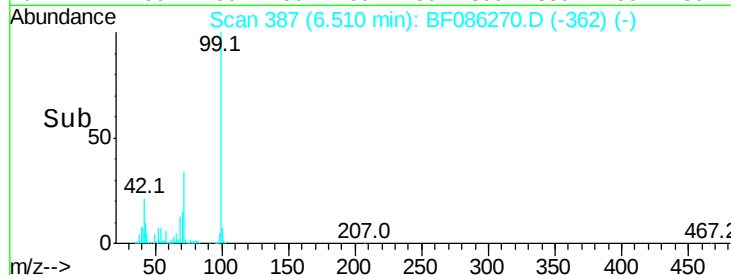
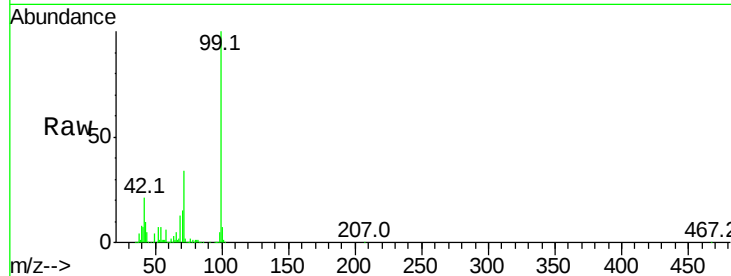
42 20.7 15.4 23.2

71 33.5 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Tgt Ion: 136 Resp: 1147965

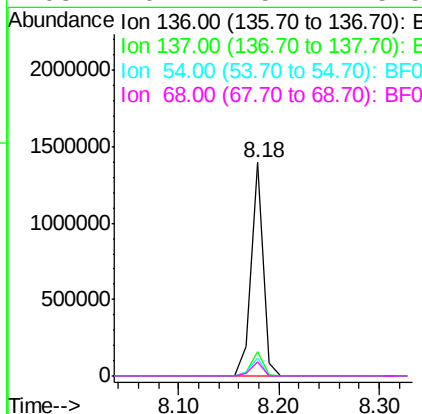
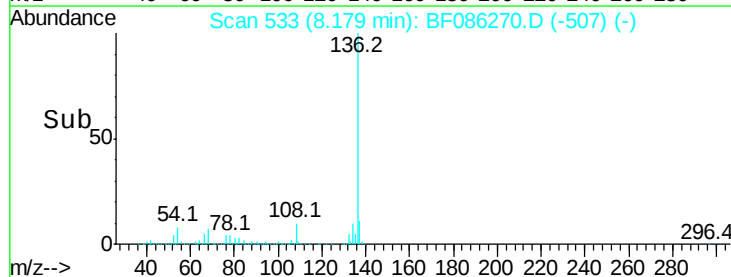
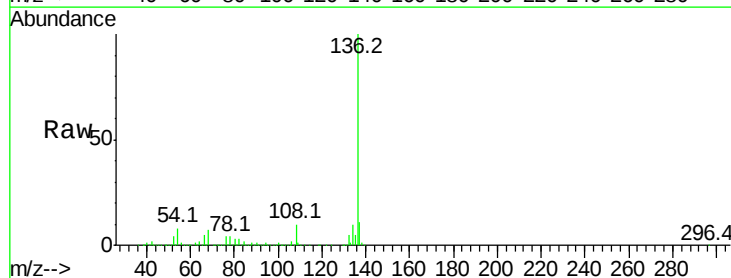
Ion Ratio Lower Upper

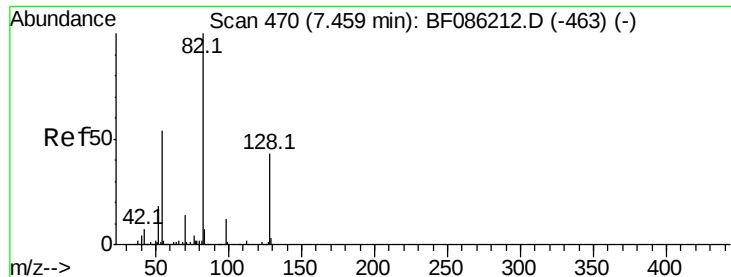
136 100

137 11.3 9.1 13.7

54 8.3 7.3 10.9

68 6.7 5.7 8.5





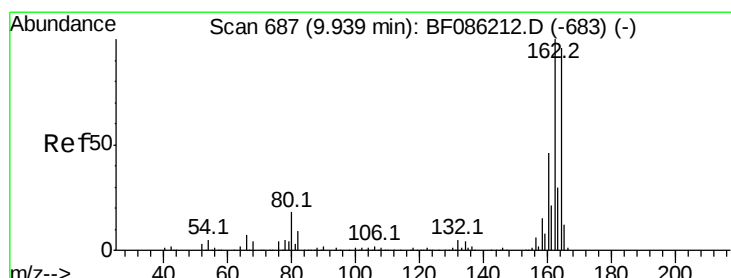
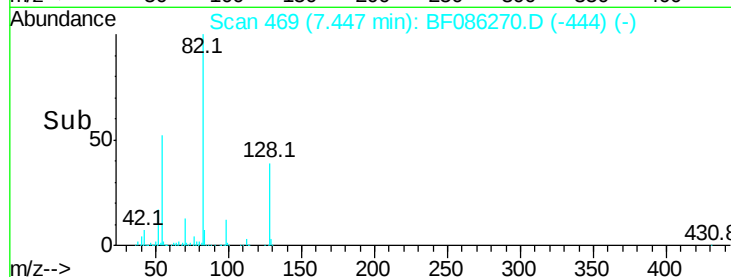
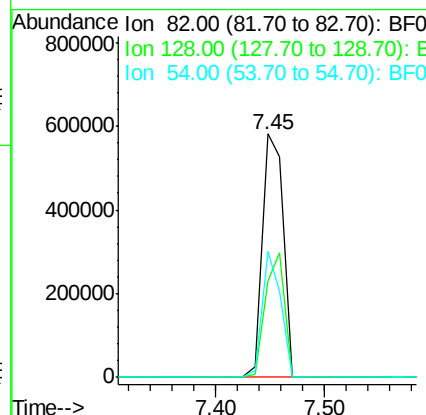
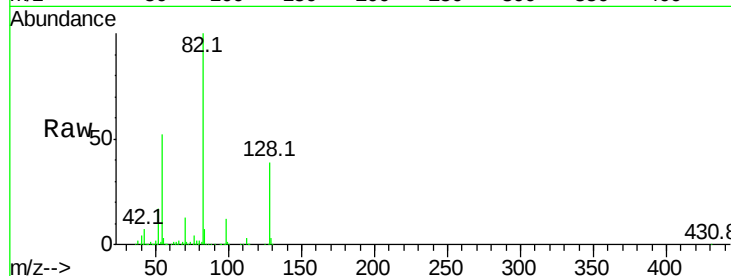
#23
 Nitrobenzene-d5
 Concen: 39.31 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086270.D
 Acq: 16 Apr 2016 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-B-2(0-2)

Tot Ion	82	Resp	782306
Ion Ratio	Lower	Upper	
82	100		
128	39.4	35.4	53.2
54	51.9	43.4	65.0

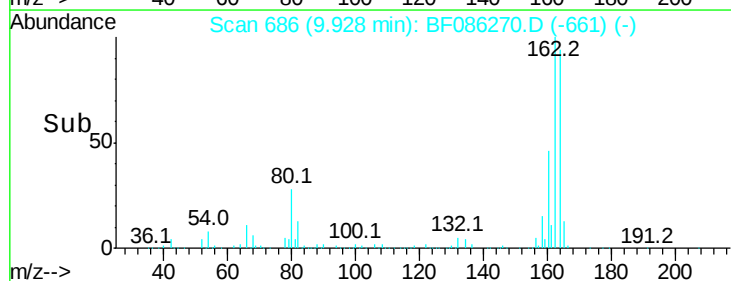
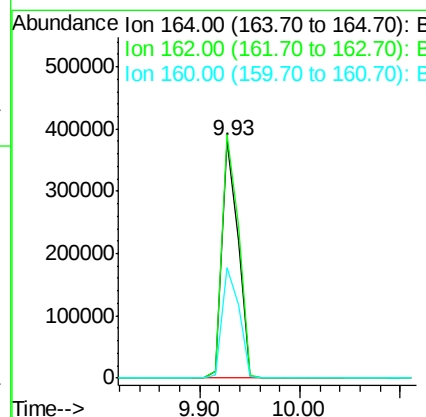
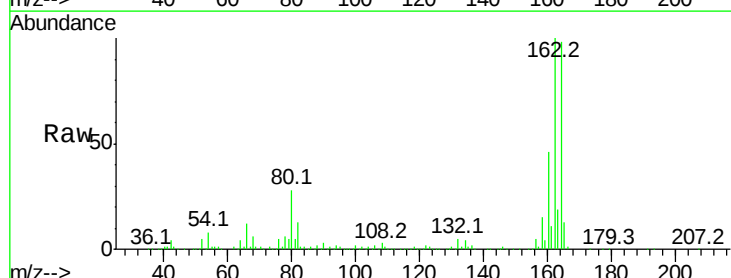
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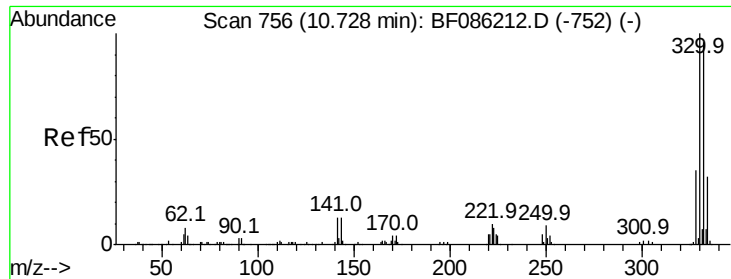
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086270.D
 Acq: 16 Apr 2016 17:13

Tgt Ion	164	Resp	423837
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.8	124.2
160	46.8	38.9	58.3





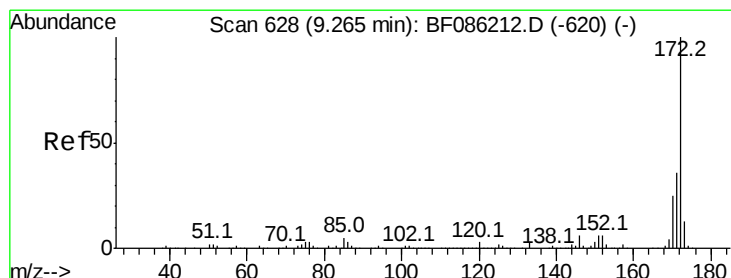
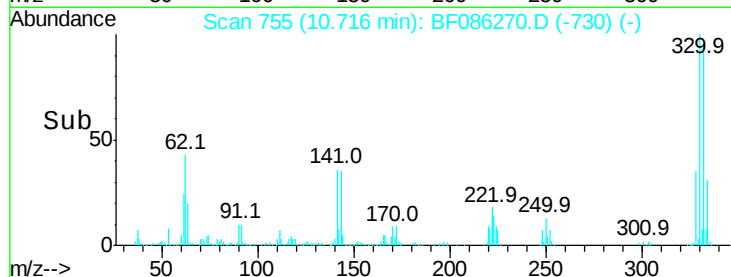
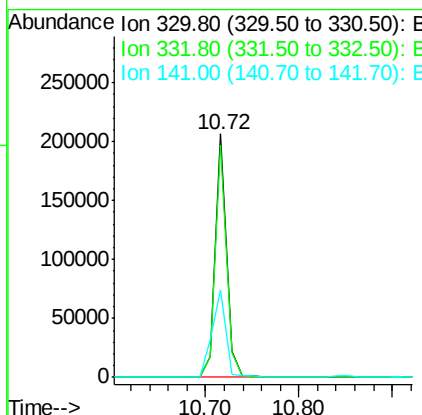
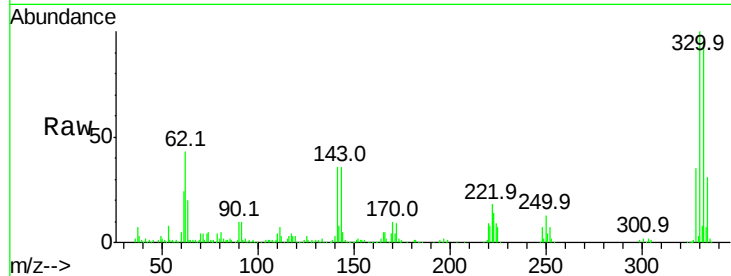
#41
 2,4,6-Tribromophenol
 Concen: 50.74 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086270.D
 Acq: 16 Apr 2016 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-B-2(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	172683		
332	95.0	78.7	118.1	
141	44.3	28.6	42.8#	

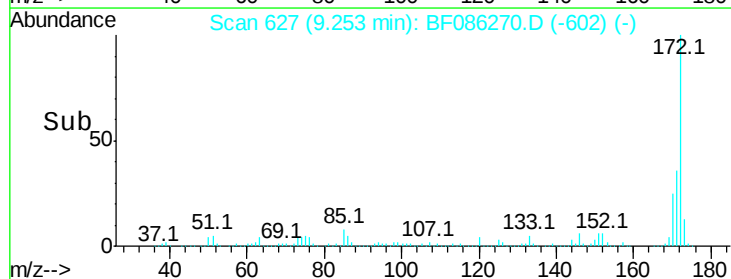
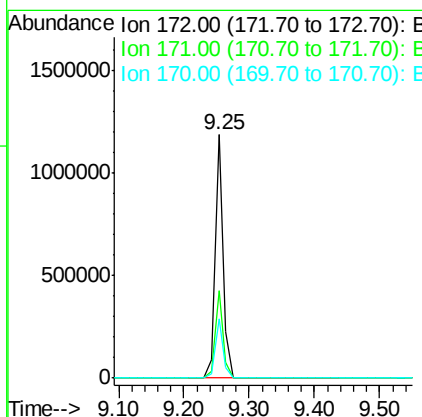
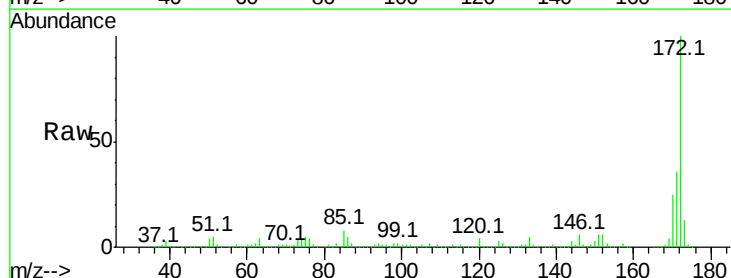
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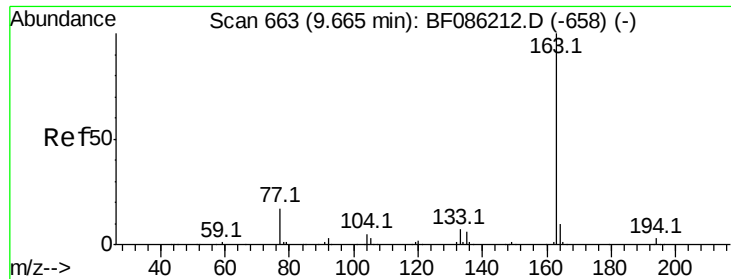
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#44
 2-Fluorobiphenyl
 Concen: 45.14 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086270.D
 Acq: 16 Apr 2016 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1036884		
171	36.0	29.1	43.7	
170	24.5	19.9	29.9	





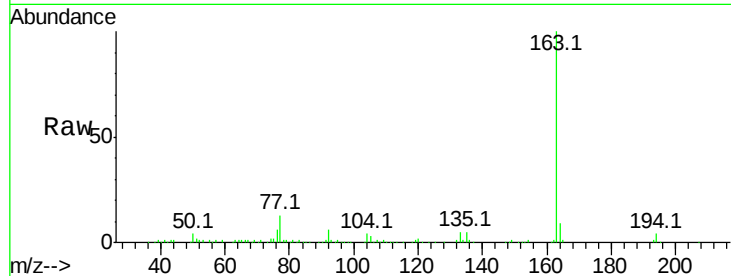
#49
Dimethylphthalate
Concen: 7.28 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086270.D
Acq: 16 Apr 2016 17:13

Instrument :
BNA_F
ClientSampleId :
SP-2-B-2(0-2)

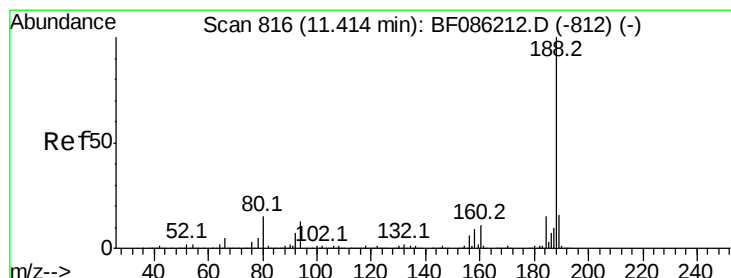
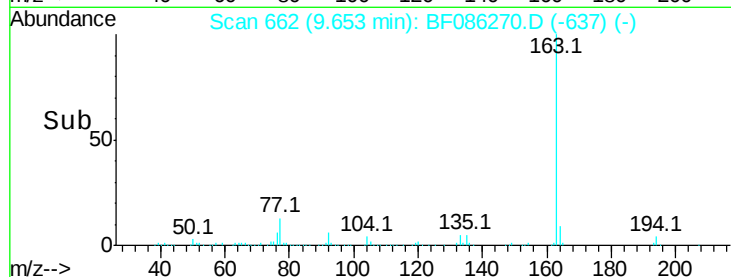
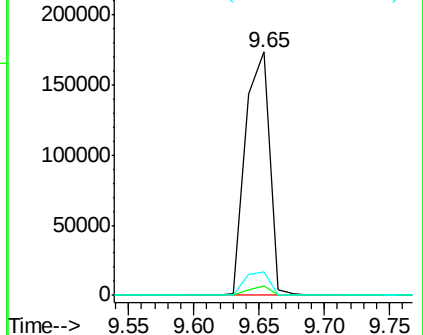
Tot Ion	Ratio	Resp	Lower	Upper
163	100	224245		
194	3.8		2.8	4.2
164	9.5		8.4	12.6

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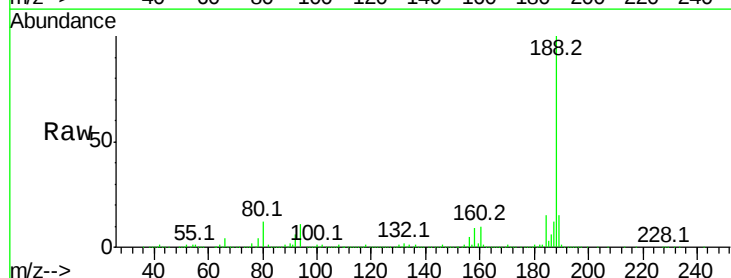


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

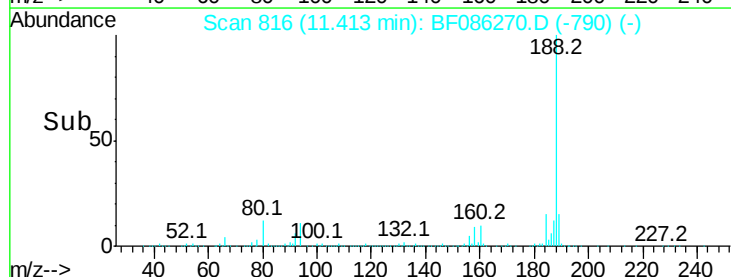
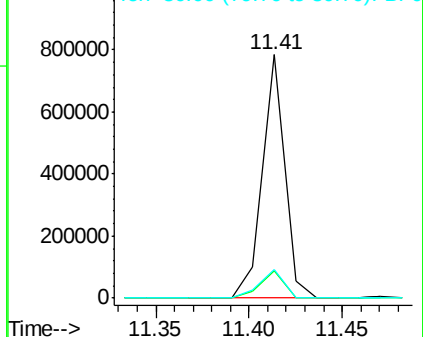


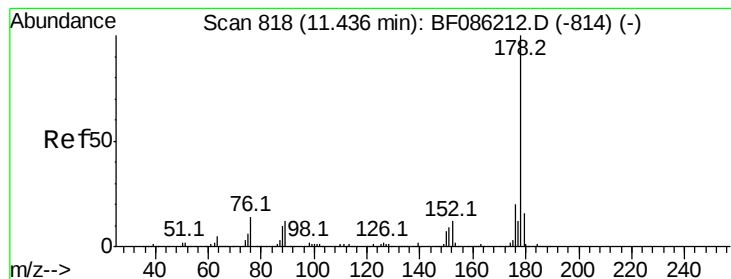
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086270.D
Acq: 16 Apr 2016 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	646324		
94	11.2		9.8	14.8
80	11.7		10.5	15.7



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: 3.87 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Instrument :

BNA_F

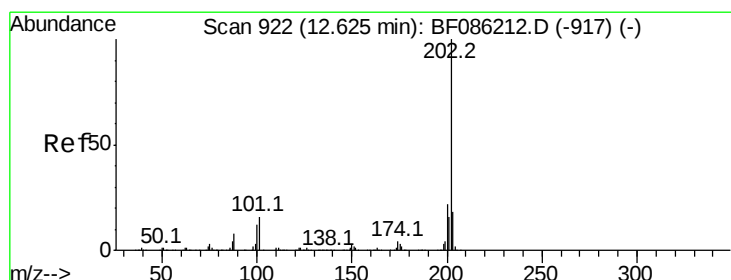
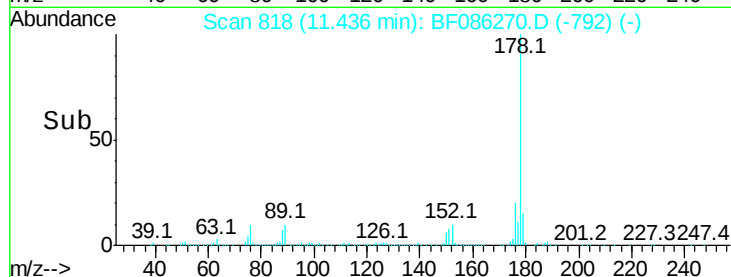
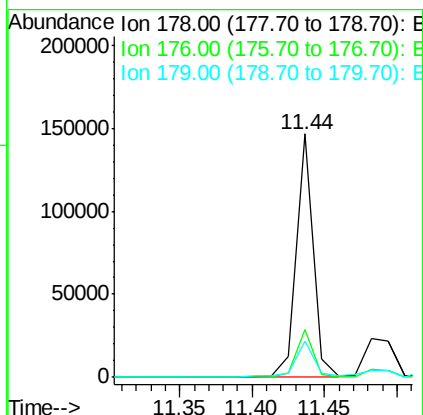
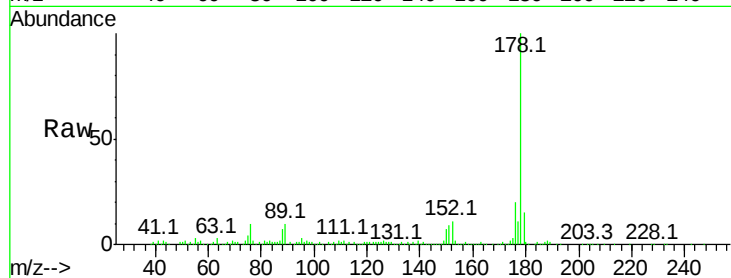
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	178	Resp:	119368
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.3	24.5
179	15.0	13.0	19.6

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#74

Fluoranthene

Concen: 4.52 ng

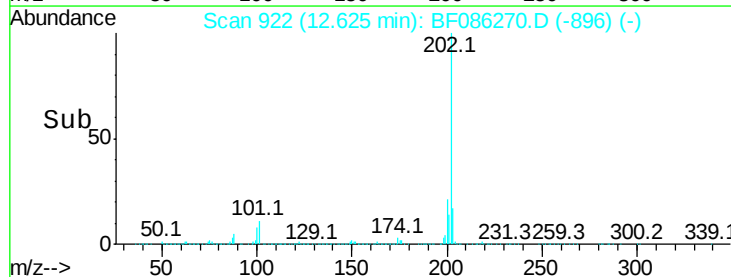
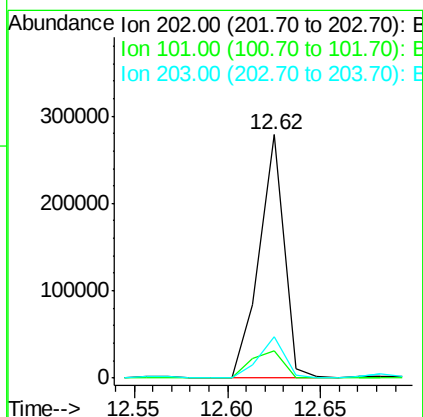
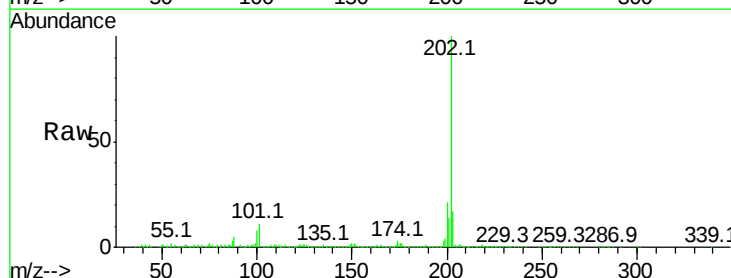
RT: 12.62 min Scan# 922

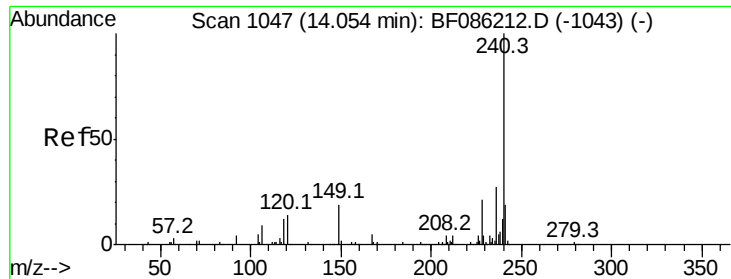
Delta R.T. -0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Tgt Ion:	202	Resp:	254727
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	35.2
203	17.0	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Instrument :

BNA_F

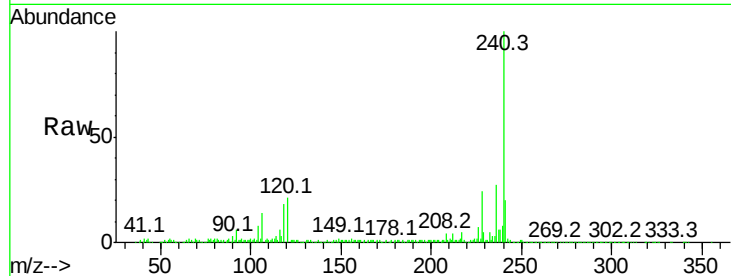
ClientSampleId :

SP-2-B-2(0-2)

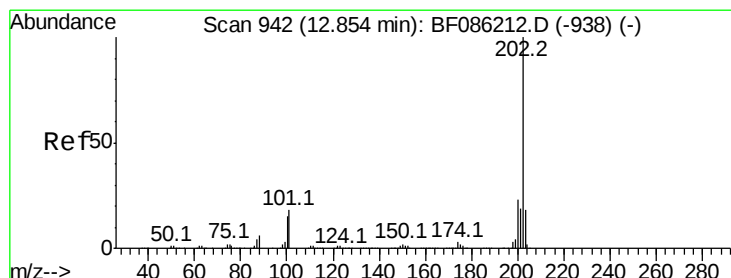
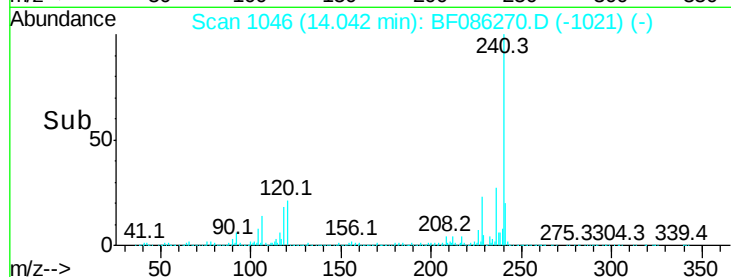
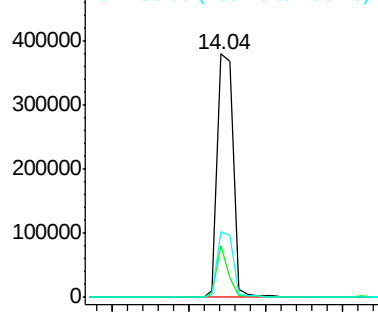
Tot Ion:	240	Resp:	536494
Ion Ratio	Lower	Upper	
240	100		
120	21.5	9.3	13.9#
236	27.1	21.1	31.7

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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: 5.99 ng

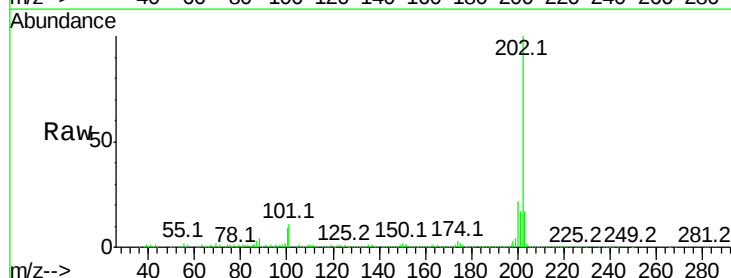
RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

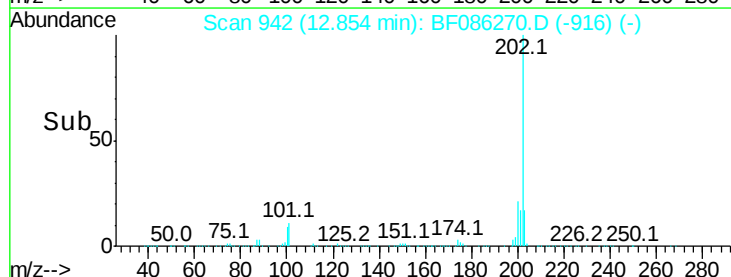
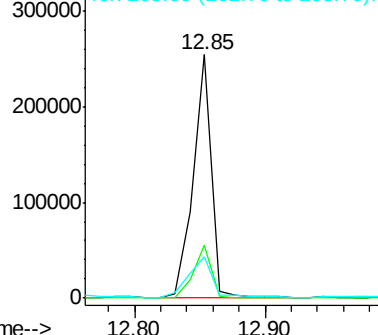
Lab File: BF086270.D

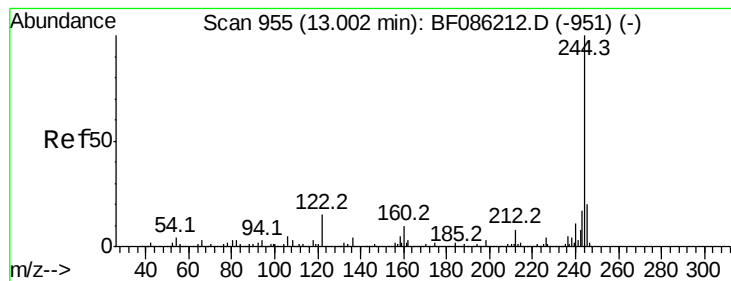
Acq: 16 Apr 2016 17:13

Tgt Ion:	202	Resp:	246567
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.3	27.5
203	17.2	14.9	22.3



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: 31.05 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Instrument :

BNA_F

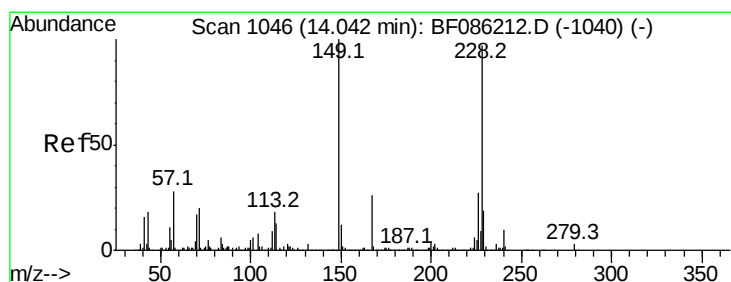
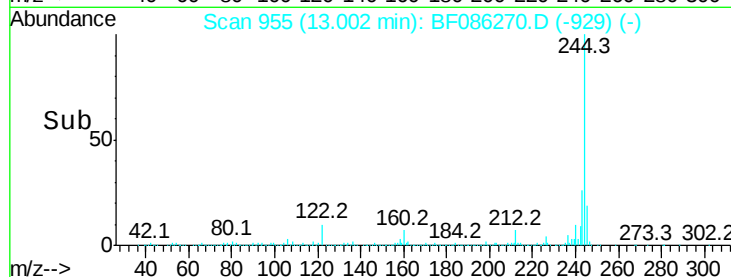
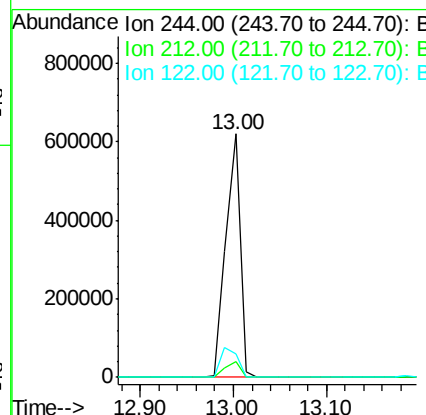
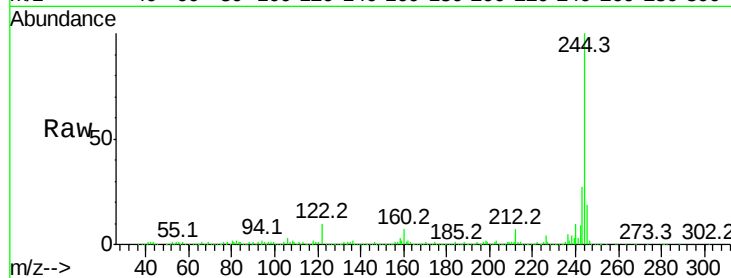
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	244	Resp:	662400
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.4	9.6
122	9.6	11.7	17.5#

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#80

Benzo(a)anthracene

Concen: 4.89 ng

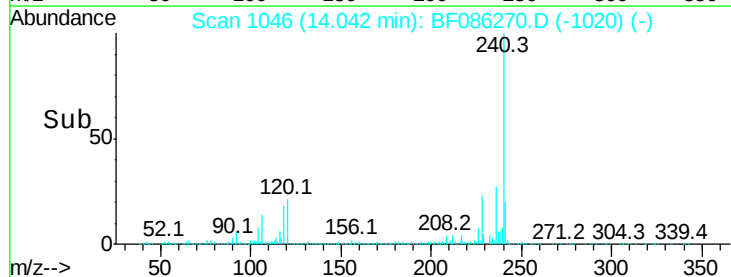
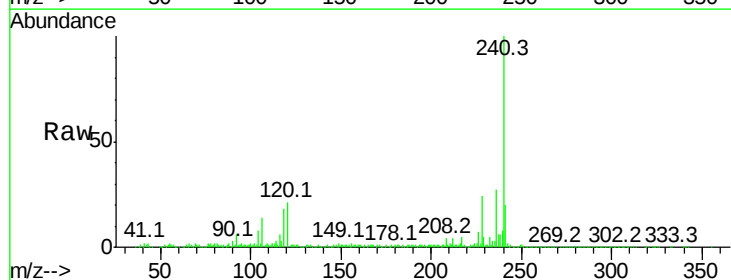
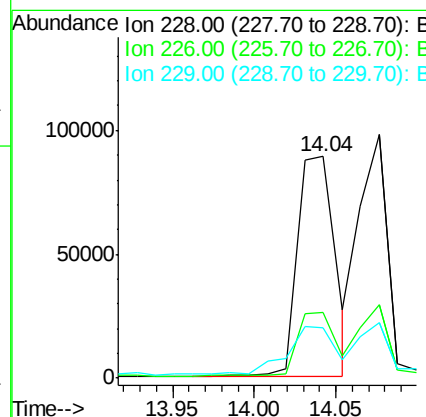
RT: 14.04 min Scan# 1046

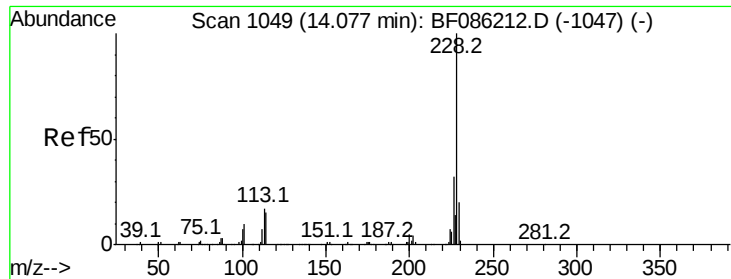
Delta R.T. -0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Tgt Ion:	228	Resp:	144042
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.5	33.7
229	23.0	16.2	24.2





#82

Chrysene

Concen: 3.90 ng/mL

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Instrument :

BNA_F

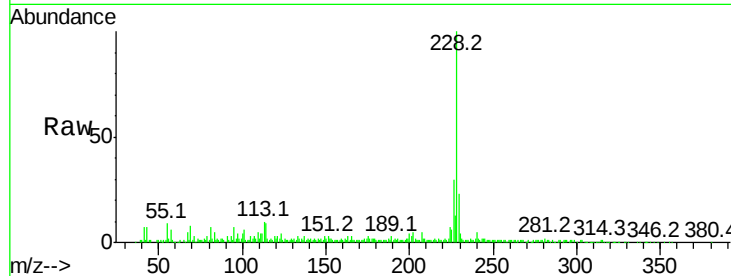
ClientSampled :

SP-2-B-2(0-2)

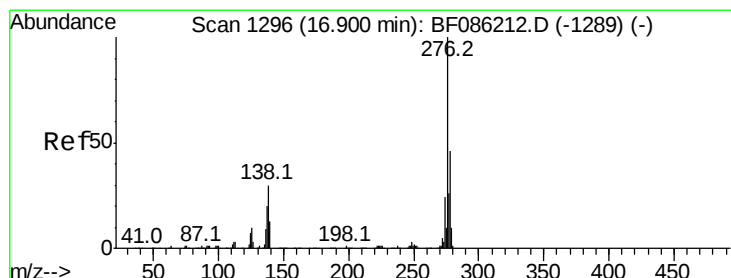
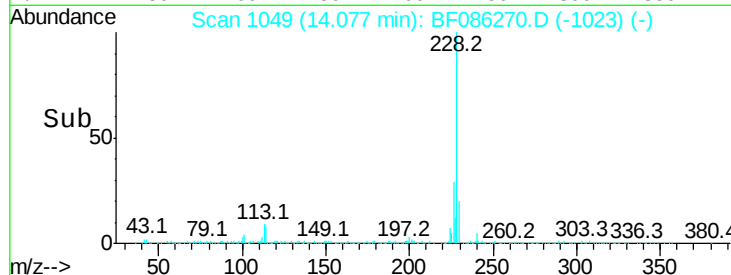
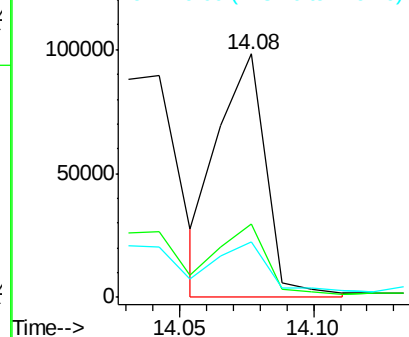
Tot Ion:	228	Resp:	122424
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	22.6	16.5	24.7

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.23 ng/mL

RT: 16.89 min Scan# 1295

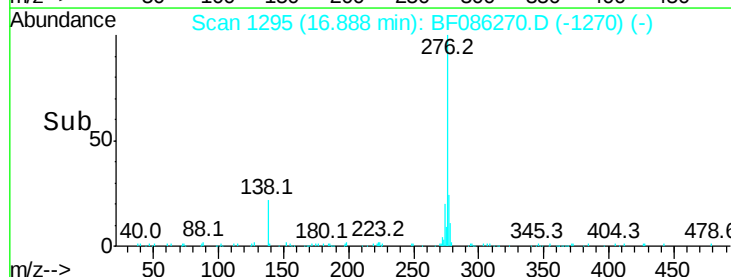
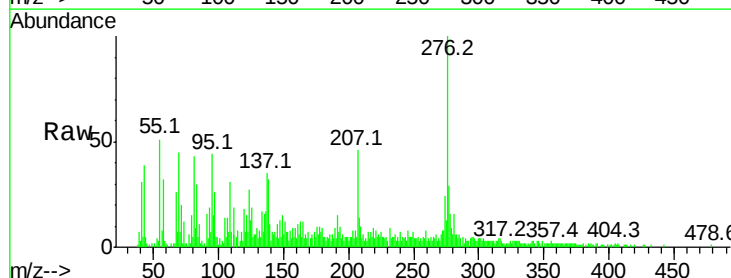
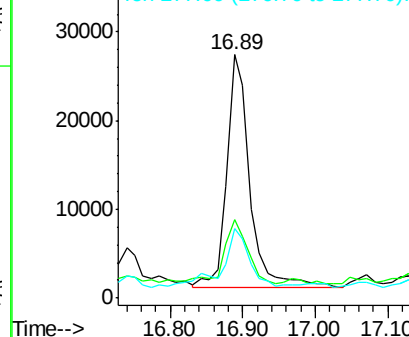
Delta R.T. -0.01 min

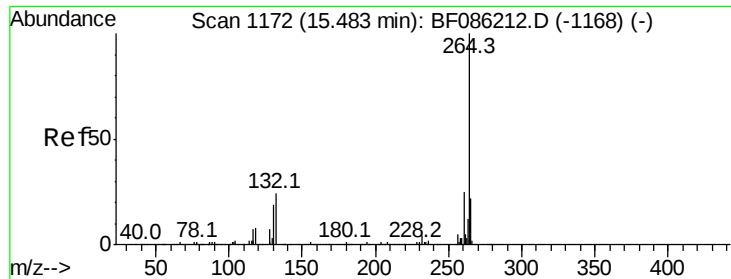
Lab File: BF086270.D

Acq: 16 Apr 2016 17:13

Tgt Ion:	276	Resp:	57546
Ion Ratio	Lower	Upper	
276	100		
138	28.6	23.8	35.6
277	28.2	20.2	30.2

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





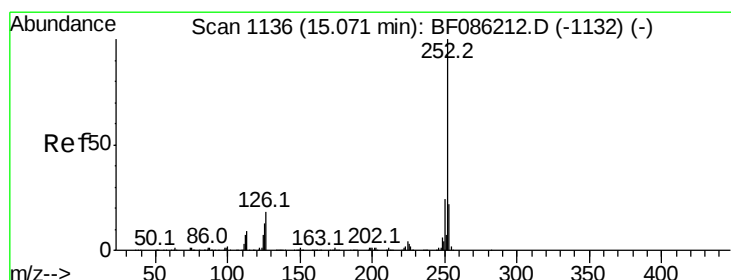
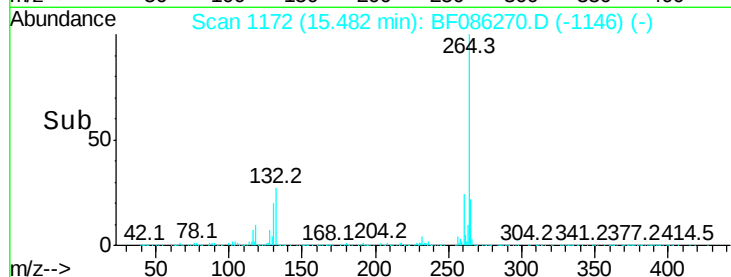
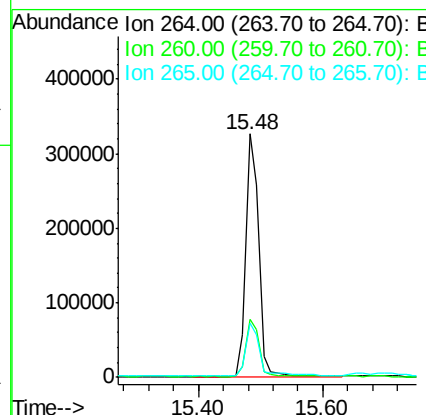
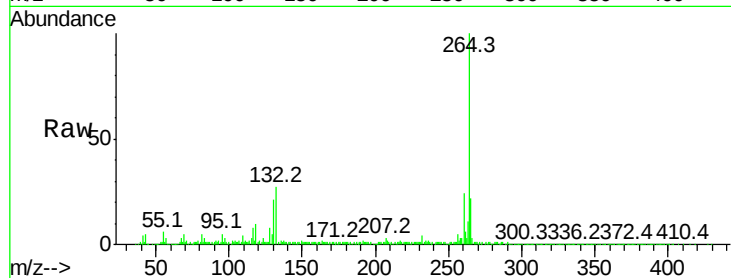
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF086270.D
Acq: 16 Apr 2016 17:13

Instrument :
BNA_F
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.0	30.0
265	22.5	17.4	26.0

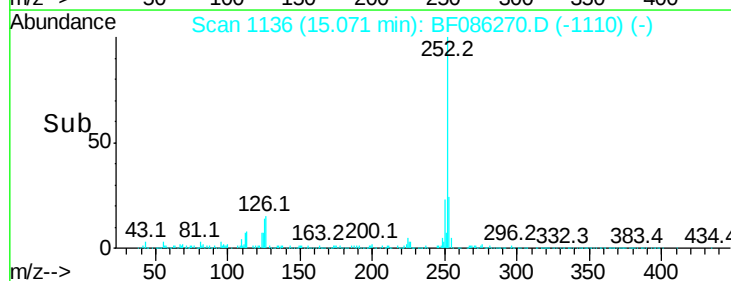
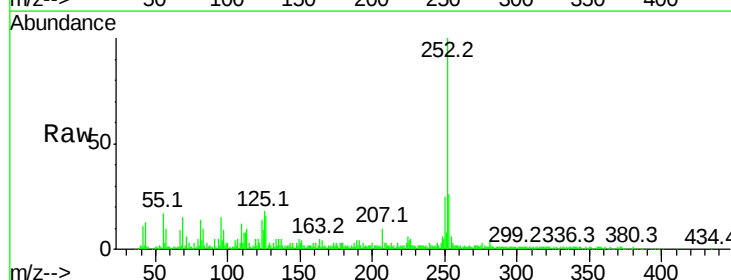
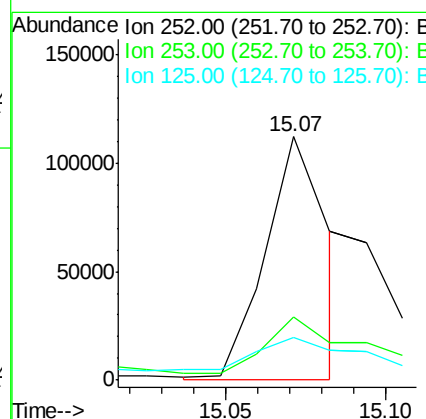
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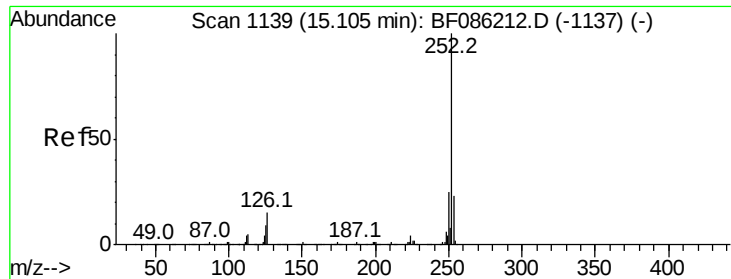
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#87
Benzo(b)fluoranthene
Concen: 5.24 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF086270.D
Acq: 16 Apr 2016 17:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.7	26.5
125	17.5	10.3	15.5#





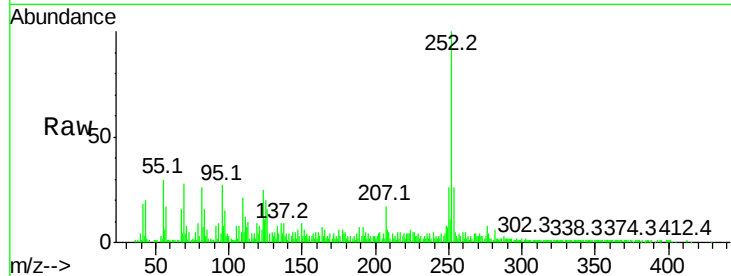
#88
Benzo(k)fluoranthene
Concen: 2.68 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BF086270.D
Acq: 16 Apr 2016 17:13

Instrument :
BNA_F
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	20.4	7.8	11.6

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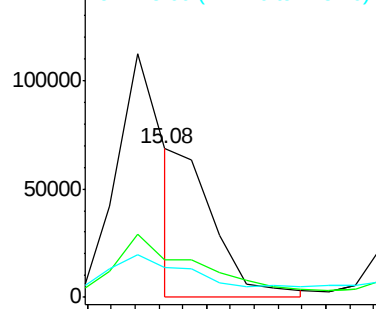


Abundance

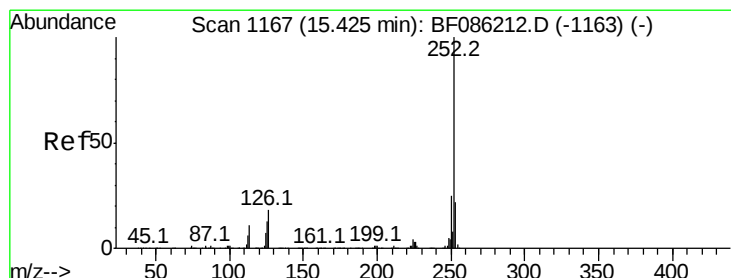
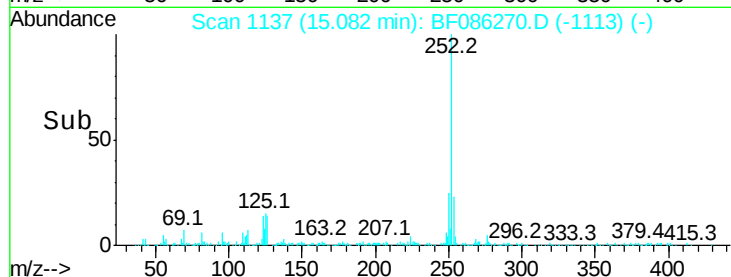
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 15.05 15.10 15.15



#89
Benzo(a)pyrene
Concen: 4.28 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086270.D
Acq: 16 Apr 2016 17:13

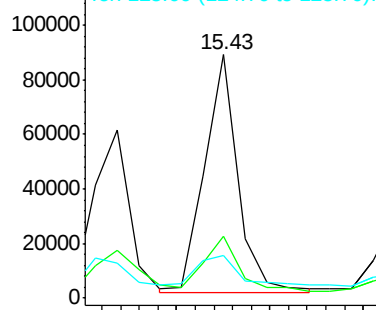
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	17.4	11.2	16.8

Abundance

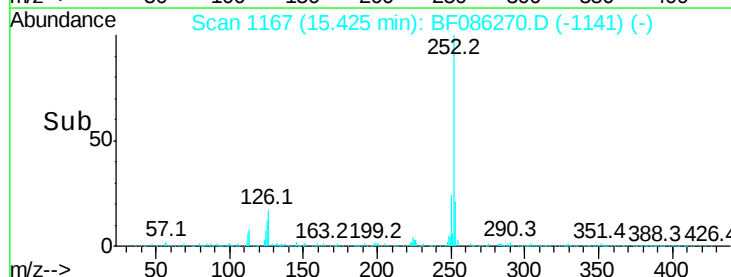
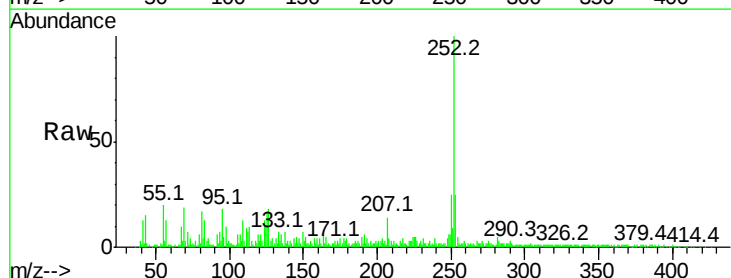
Ion 252.00 (251.70 to 252.70): E

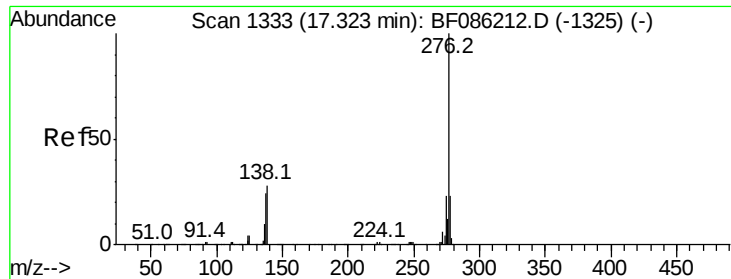
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 15.40 15.45





#91
 Benzo(a,h,i)perylene
 Concen: 2.35 ng
 RT: 17.32 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BF086270.D
 Acq: 16 Apr 2016 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-B-2(0-2)

Tot Ion:	276	Resp:	56239
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.0	28.6
138	29.9	19.6	29.4

Manual Integrations
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