

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086282.D
 Acq On : 18 Apr 2016 15:19
 Operator : UM/SJ
 Sample : H2099-01DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-1DL

Manual Integrations
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Sohil
 4/19/2016 6:22:20 PM

Quant Time: Apr 19 01:39:27 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	6.90	152	303482	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	416156	20.00	ng	0.01
38) Acenaphthene-d10	9.95	164	291213	20.00	ng	0.01
63) Phenanthrene-d10	11.44	188	536289	20.00	ng	0.02
75) Chrysene-d12	14.05	240	594364	20.00	ng	0.00
86) Perylene-d12	15.48	264	626976	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1310781	70.77	ng	0.00
7) Phenol-d6	6.51	99	1413857	61.03	ng	-0.01
23) Nitrobenzene-d5	7.46	82	980498	135.89	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	149703	64.02	ng	0.01
44) 2-Fluorobiphenyl	9.28	172	939878	59.56	ng	0.01
78) Terphenyl-d14	13.00	244	762489	32.26	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.91	142	803555	66.87	ng	# 95
45) 1,1'-Biphenyl	9.37	154	130809	6.24	ng	99
49) Dimethylphthalate	9.66	163	112438	5.31	ng	# 82
70) Phenanthrene	11.46	178	743588	29.03	ng	97
74) Fluoranthene	12.64	202	996321	45.22	ng	98
77) Pyrene	12.87	202	1043620	22.89	ng	99
80) Benzo(a)anthracene	14.04	228	622434	19.08	ng	99
82) Chrysene	14.08	228	602592	17.32	ng	97
83) Bis(2-ethylhexyl)phthalate	14.03	149	71445	3.14	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	280221	9.80	ng	95
87) Benzo(b)fluoranthene	15.07	252	740561m	19.15	ng	
88) Benzo(k)fluoranthene	15.09	252	274301m	7.78	ng	
89) Benzo(a)pyrene	15.43	252	529179	15.79	ng	98
90) Dibenzo(a,h)anthracene	16.90	278	71982	2.43	ng	# 90
91) Benzo(a,h,i)perylene	17.31	276	251327	7.98	ng	97

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

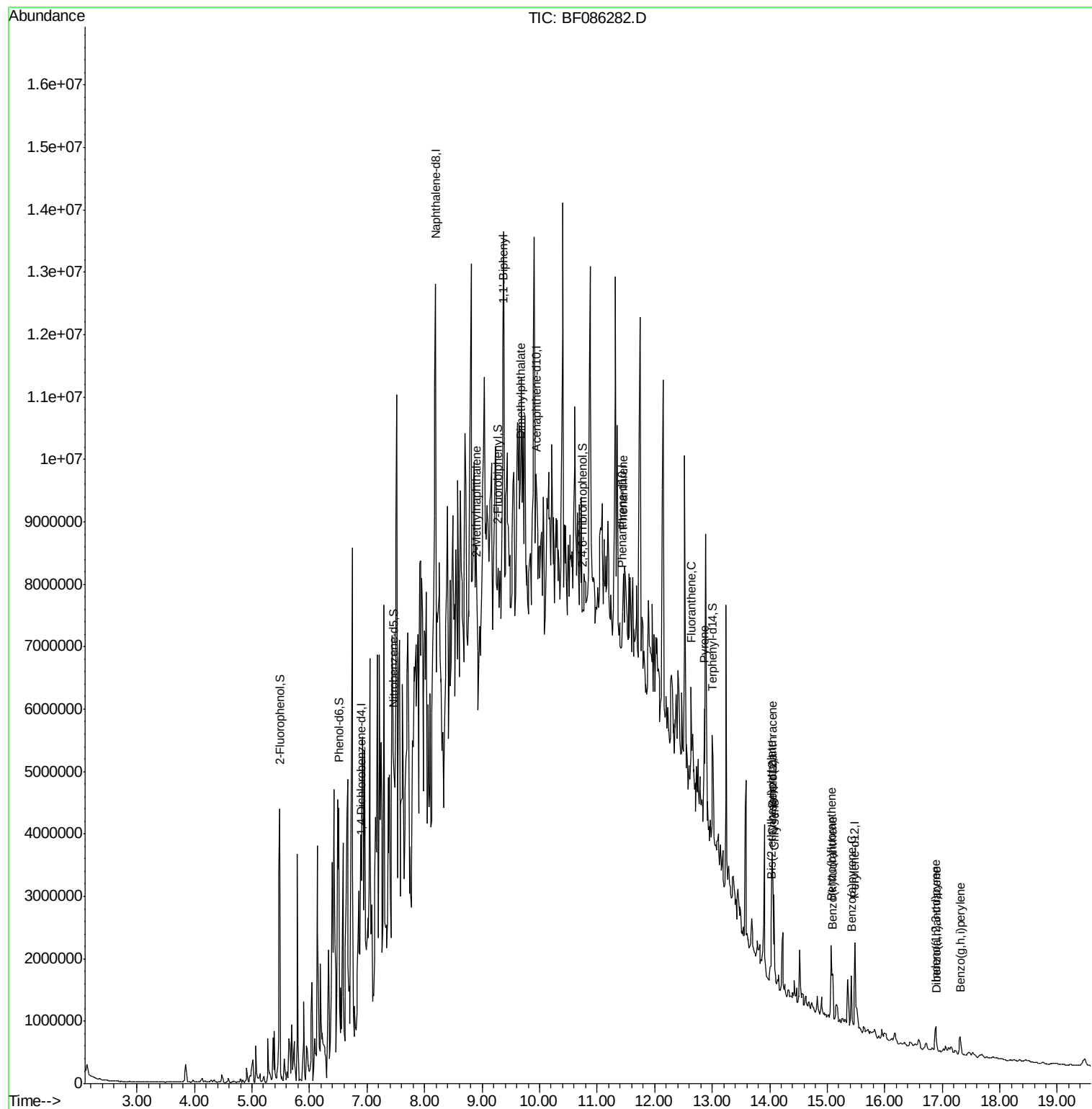
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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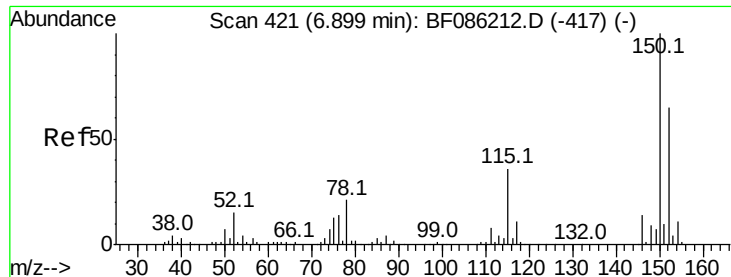
Instrument :
BNA_F
ClientSampled :
A-1DL

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#1

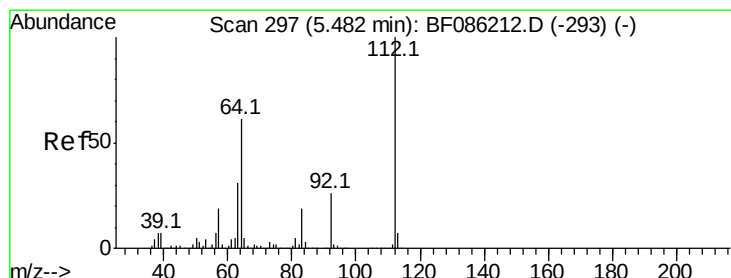
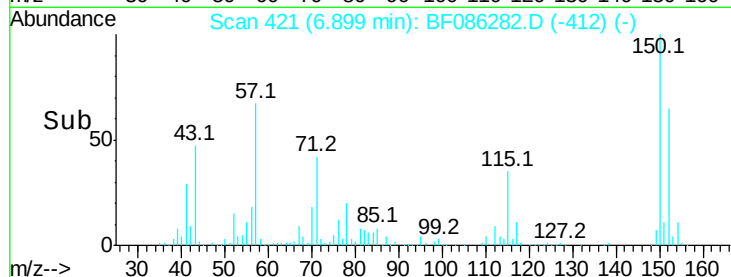
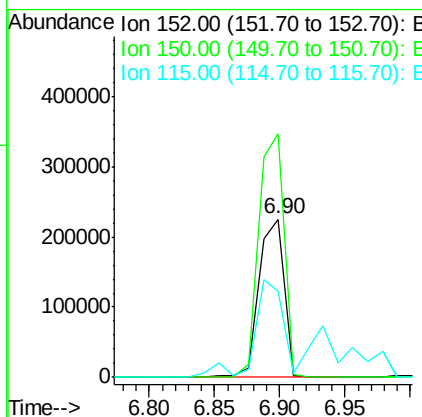
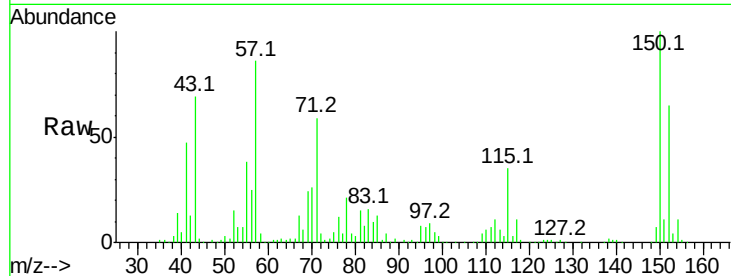
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF086282.D
Acq: 18 Apr 2016 15:19

Instrument :
BNA_F
ClientSampleId :
A-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.1	186.1
115	54.1	43.9	65.9

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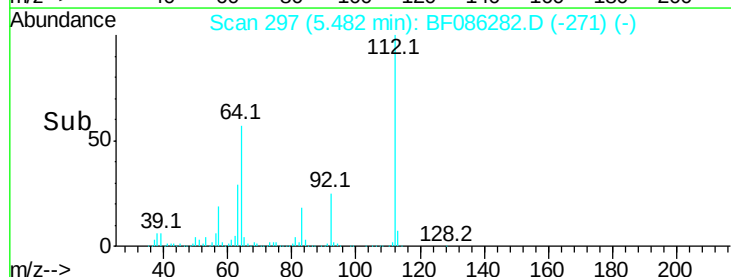
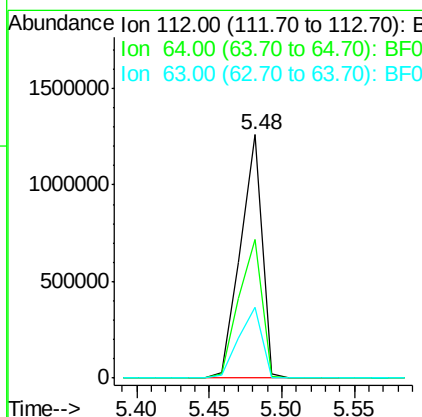
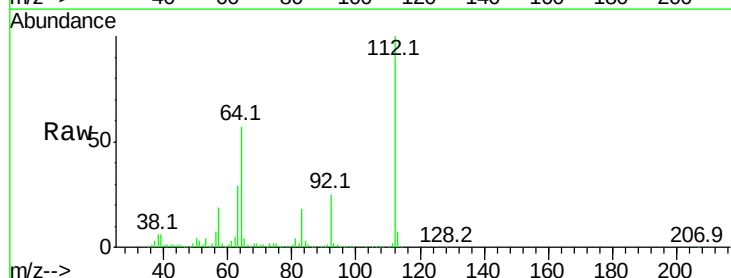
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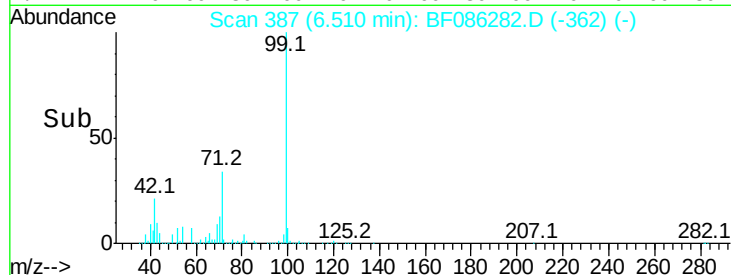
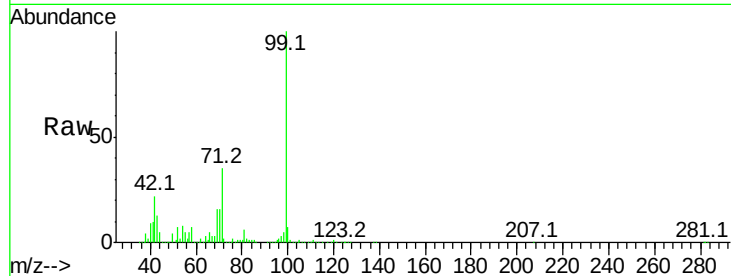
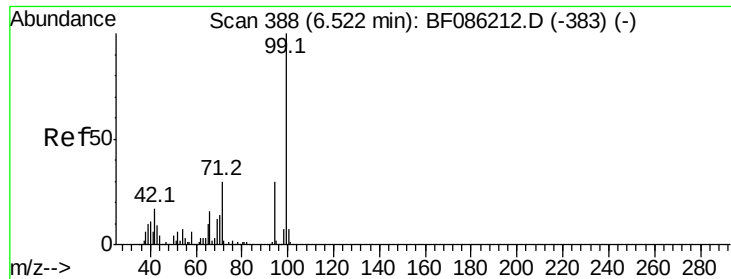


#5

2-Fluorophenol
Concen: 70.77 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086282.D
Acq: 18 Apr 2016 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	48.1	72.1
63	29.0	25.5	38.3





#7

Phenol-d6

Concen: 61.03 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tot Ion: 99 Resp: 1413857

Ion Ratio Lower Upper

99 100

42 21.8 15.4 23.2

71 34.9 25.6 38.4

Instrument :

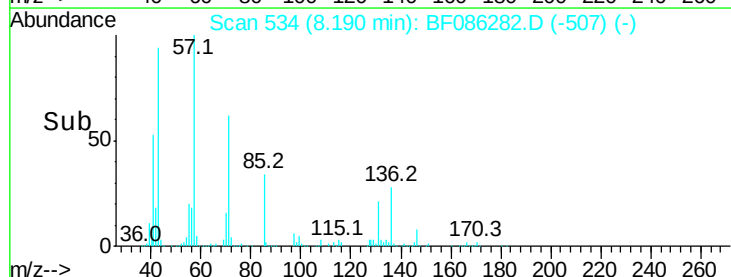
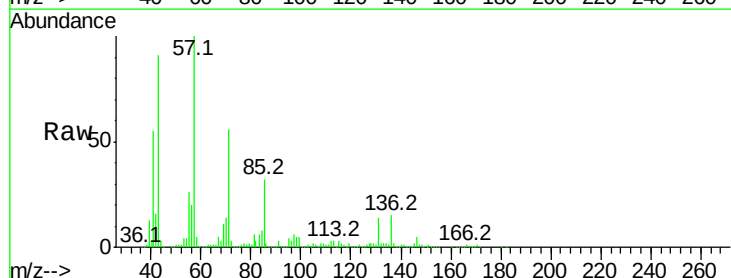
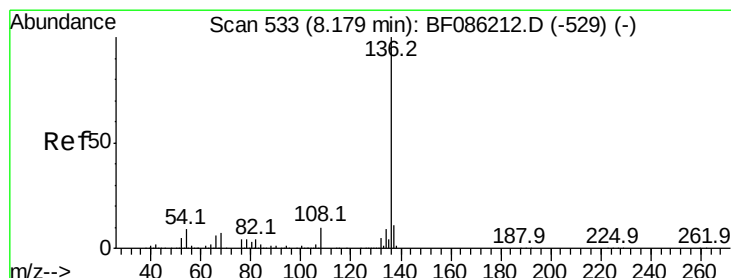
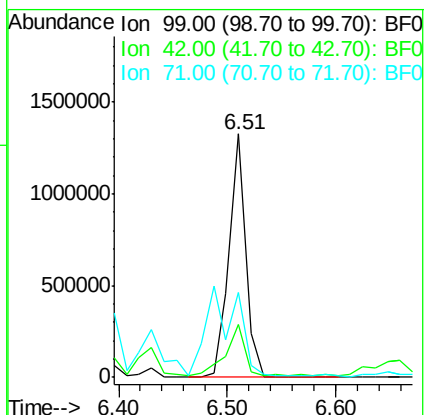
BNA_F

ClientSampleId :

A-1DL

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion: 136 Resp: 416156

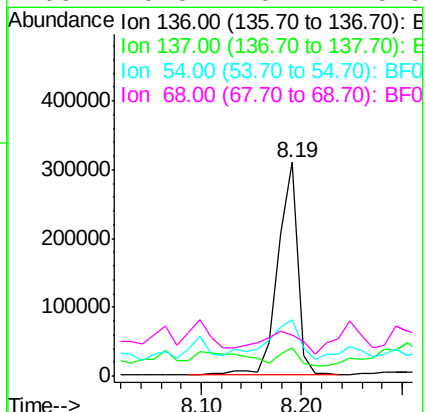
Ion Ratio Lower Upper

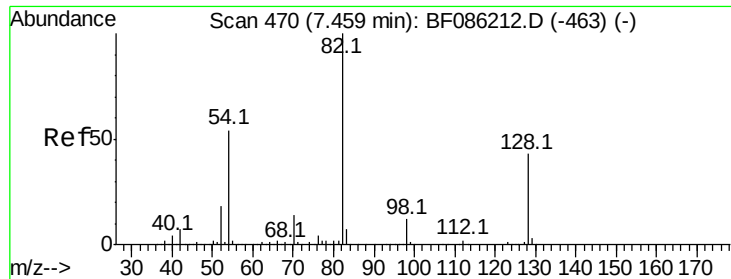
136 100

137 13.4 9.1 13.7

54 26.3 7.3 10.9#

68 19.3 5.7 8.5#





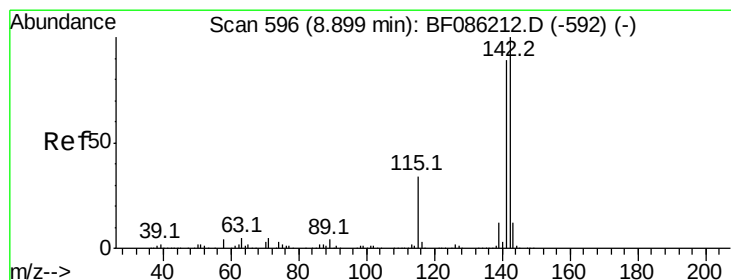
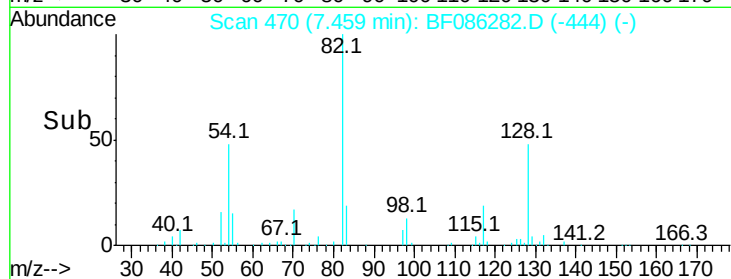
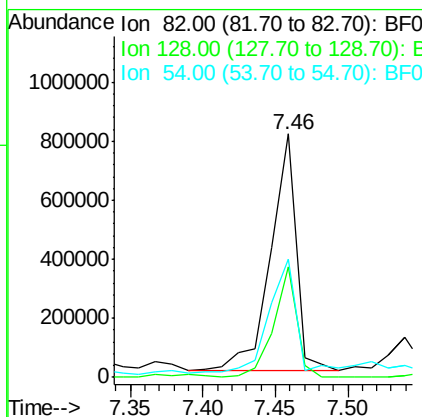
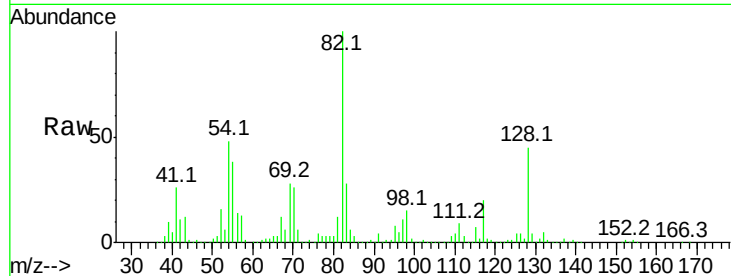
#23
 Nitrobenzene-d5
 Concen: 135.89 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: BF086282.D
 Acq: 18 Apr 2016 15:19

Instrument :
 BNA_F
 ClientSampled :
 A-1DL

Tot Ion	82	Resp	980498
Ion Ratio	100	Lower	Upper
128	45.3	35.4	53.2
54	48.4	43.4	65.0

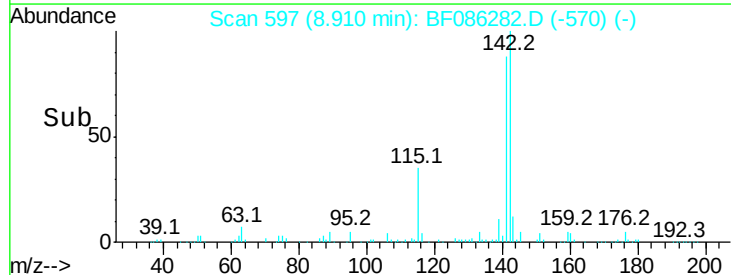
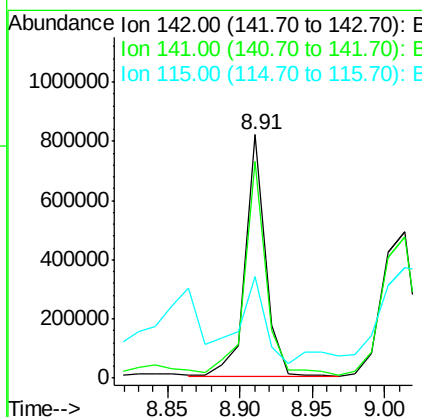
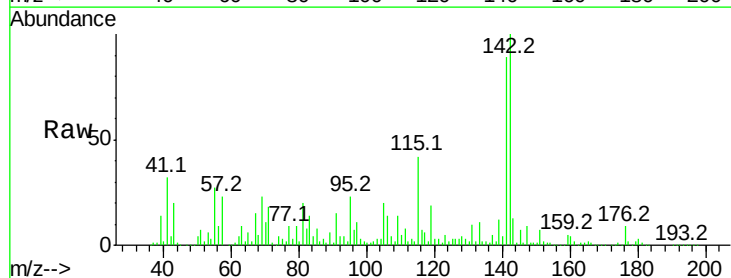
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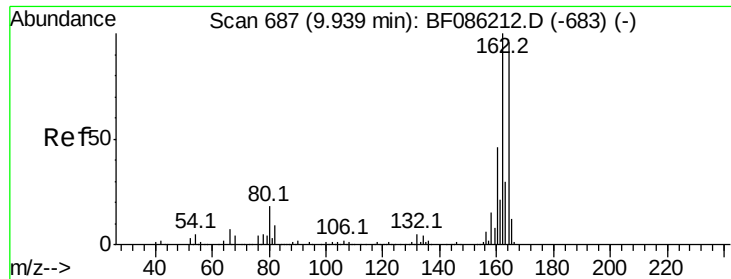
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#37
 2-Methylnaphthalene
 Concen: 66.87 ng
 RT: 8.91 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF086282.D
 Acq: 18 Apr 2016 15:19

Tgt Ion	142	Resp	803555
Ion Ratio	100	Lower	Upper
141	88.9	71.1	106.7
115	41.7	25.1	37.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

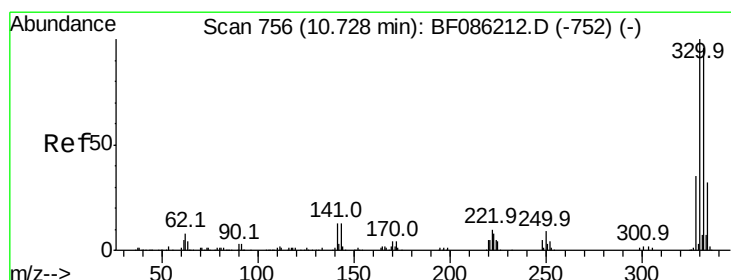
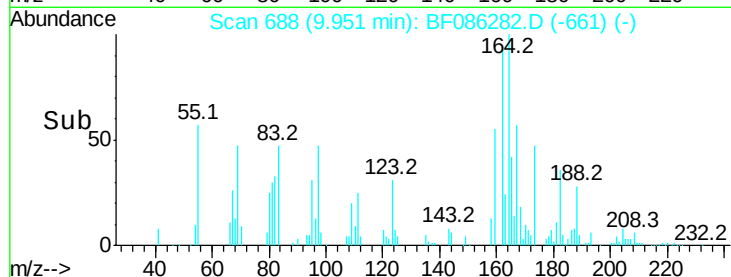
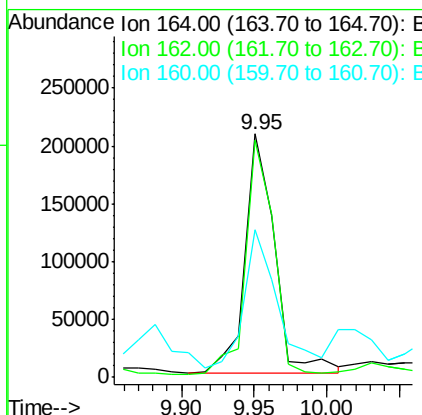
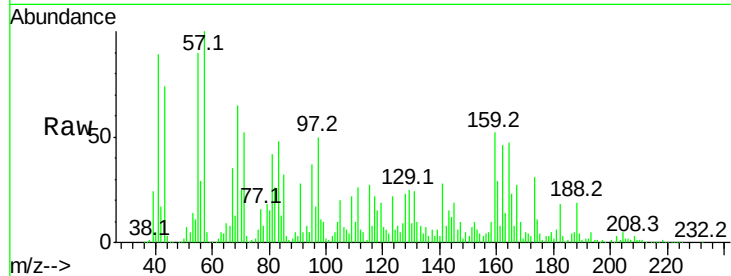
ClientSampled :

A-1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.2	82.8	124.2
160	60.6	38.9	58.3#

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#41

2,4,6-Tribromophenol

Concen: 64.02 ng

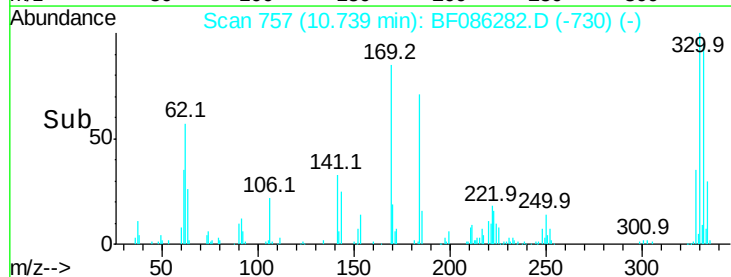
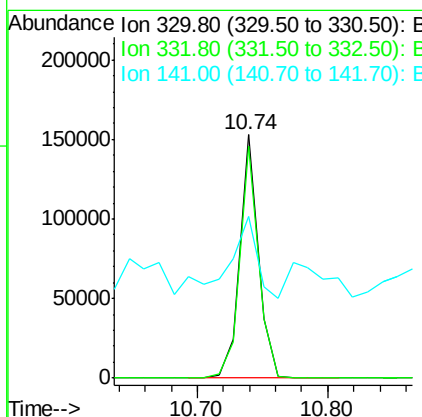
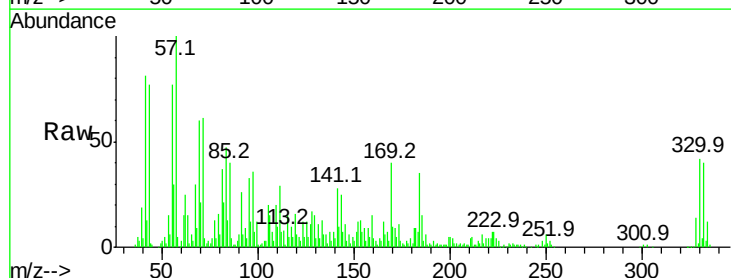
RT: 10.74 min Scan# 757

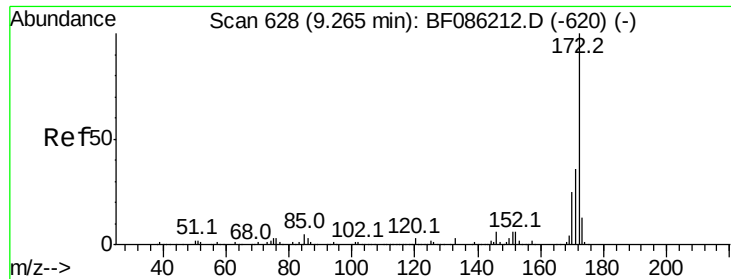
Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.7	118.1
141	44.2	28.6	42.8#





#44

2-Fluorobiphenyl

Concen: 59.56 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

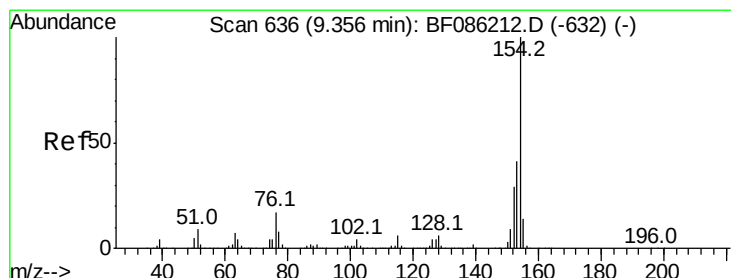
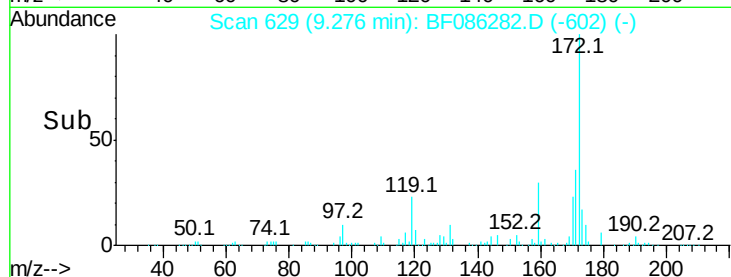
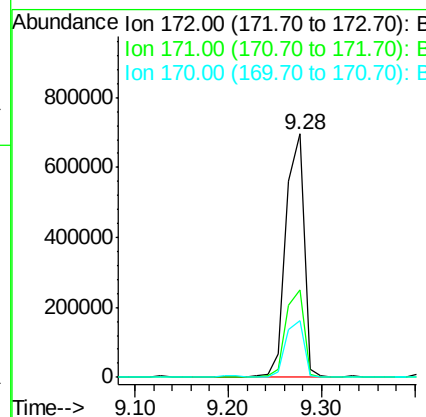
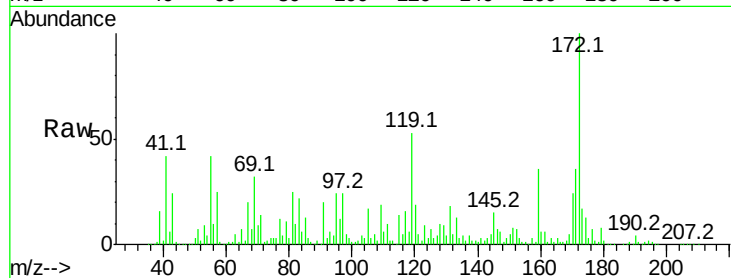
ClientSampleId :

A-1DL

Tot Ion:	172	Resp:	939878
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.1	43.7
170	23.5	19.9	29.9

Manual Integrations
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#45

1,1'-Biphenyl

Concen: 6.24 ng

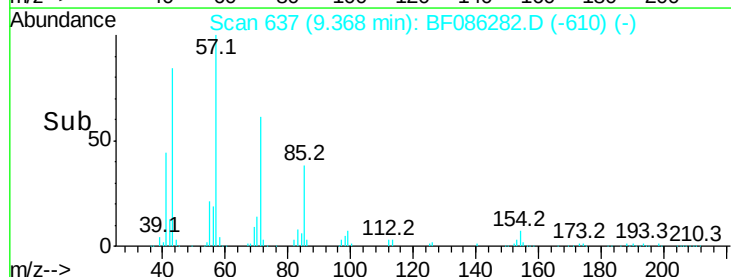
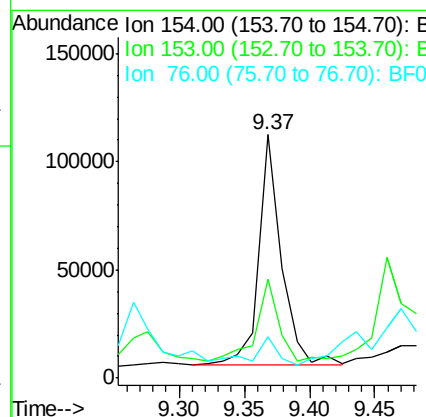
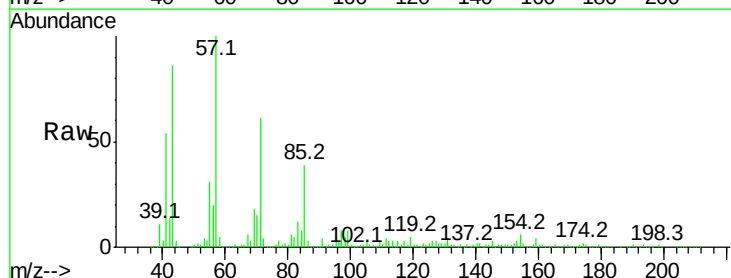
RT: 9.37 min Scan# 637

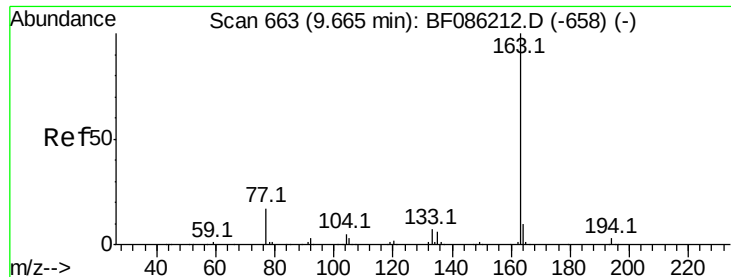
Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion:	154	Resp:	130809
Ion Ratio	Lower	Upper	
154	100		
153	40.8	21.3	61.3
76	17.0	0.0	36.4





#49

Dimethylphthalate

Concen: 5.31 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

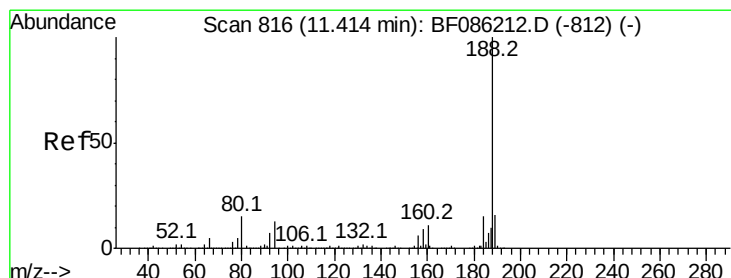
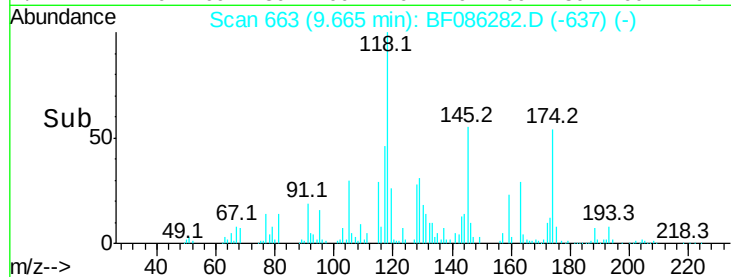
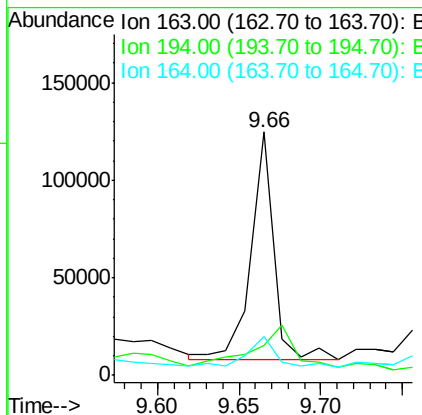
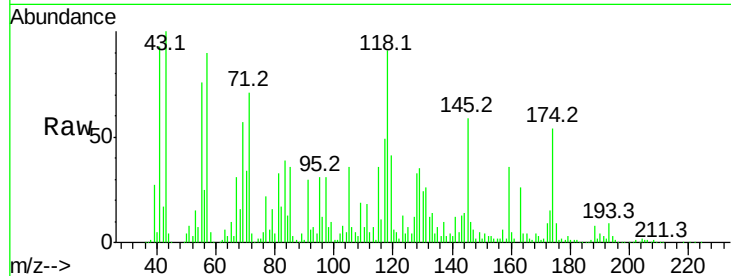
ClientSampled :

A-1DL

Tot Ion:	163	Resp:	112438
Ion Ratio	Lower	Upper	
163	100		
194	12.5	2.8	4.2#
164	16.2	8.4	12.6#

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#63

Phenanthrene-d10

Concen: 20.00 ng

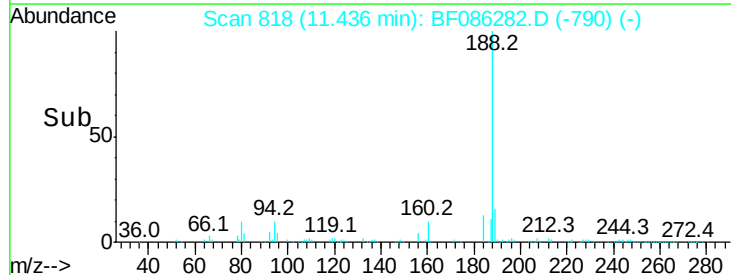
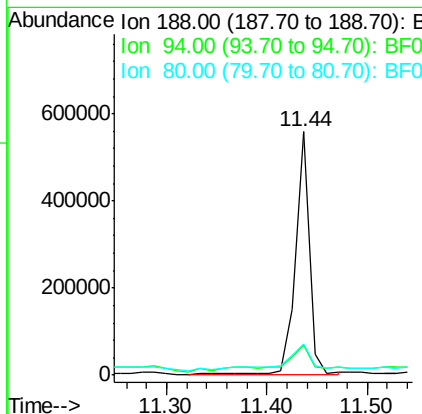
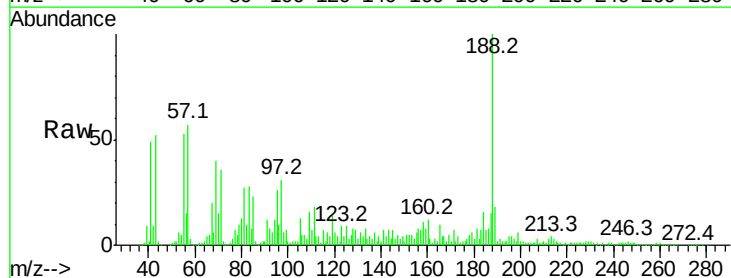
RT: 11.44 min Scan# 818

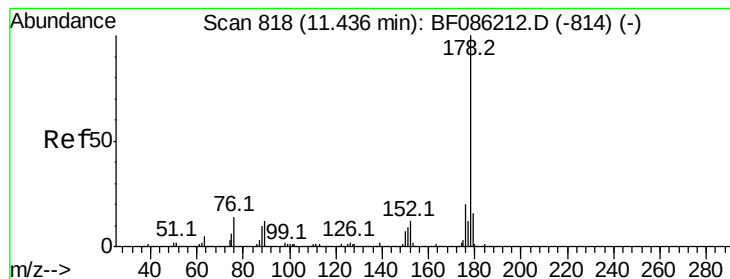
Delta R.T. 0.02 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion:	188	Resp:	536289
Ion Ratio	Lower	Upper	
188	100		
94	12.4	9.8	14.8
80	12.6	10.5	15.7





#70

Phenanthrene

Concen: 29.03 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.02 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

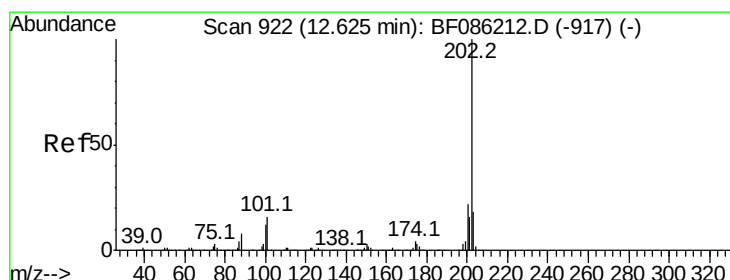
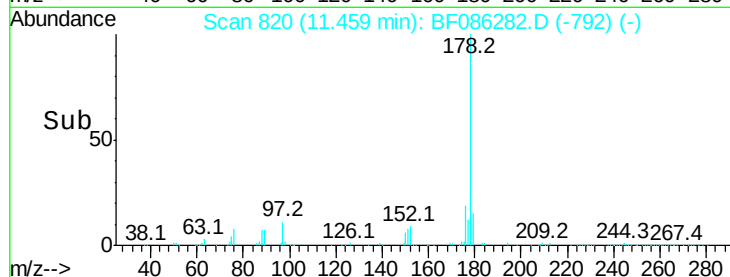
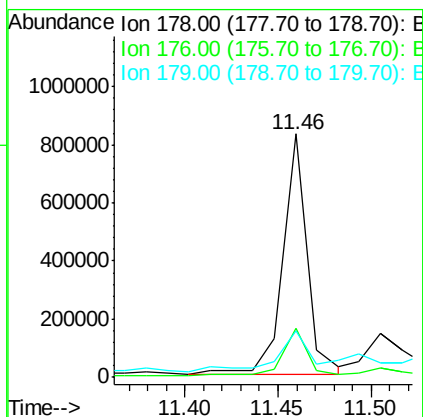
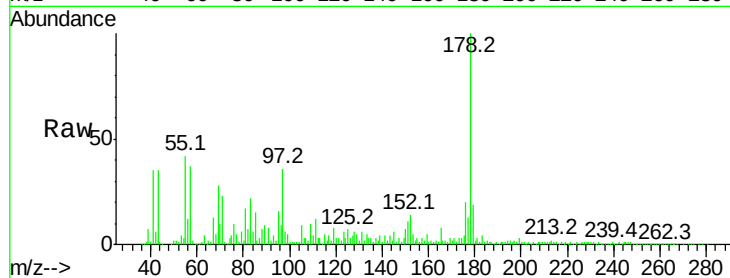
ClientSampleId :

A-1DL

Tot Ion:	178	Resp:	743588
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.3	24.5
179	18.9	13.0	19.6

Manual Integrations
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#74

Fluoranthene

Concen: 45.22 ng

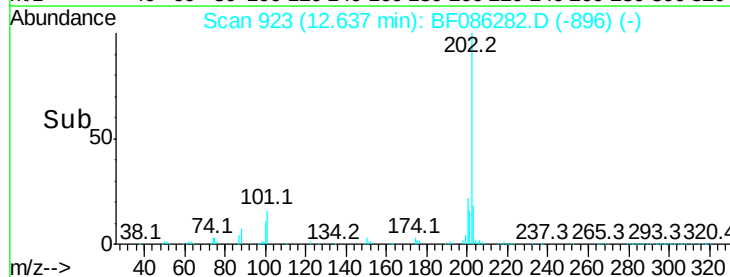
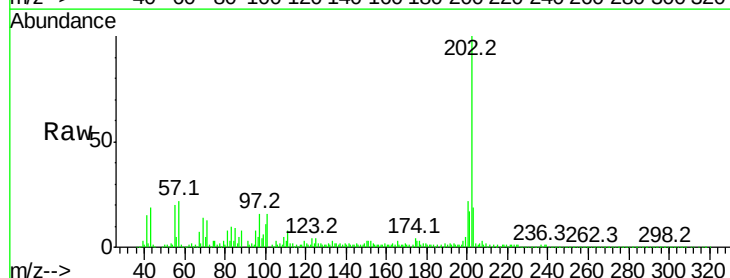
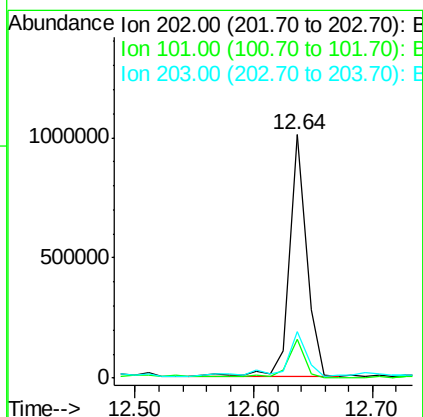
RT: 12.64 min Scan# 923

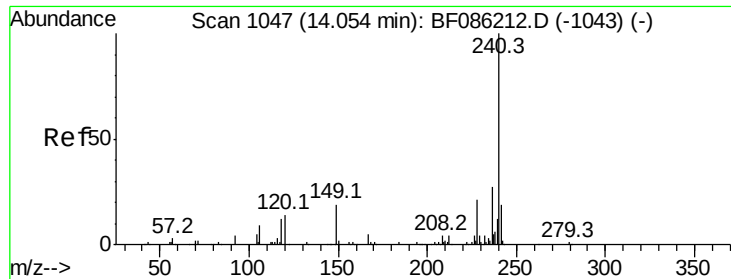
Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion:	202	Resp:	996321
Ion Ratio	Lower	Upper	
202	100		
101	15.9	0.0	35.2
203	18.9	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

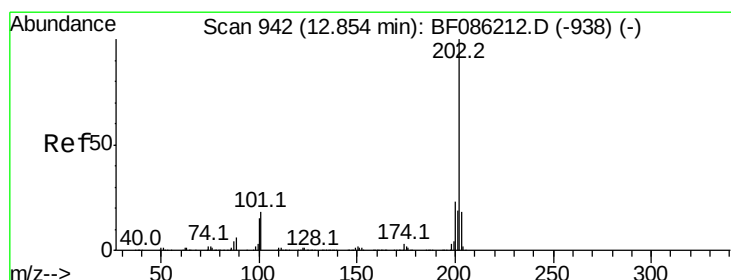
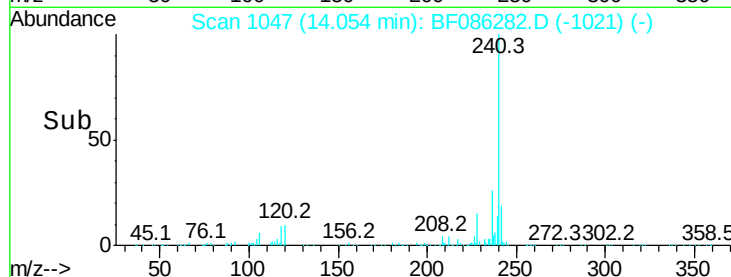
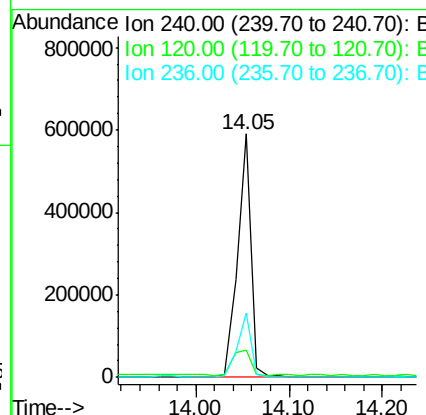
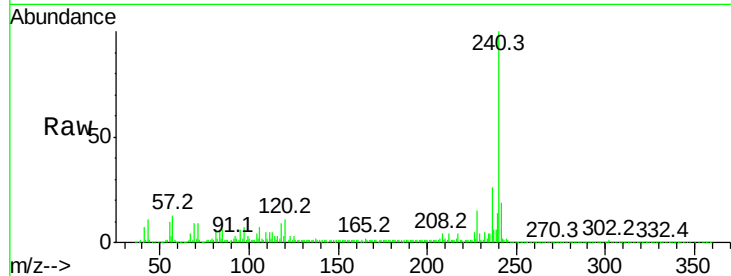
ClientSampleId :

A-1DL

Tot Ion:	240	Resp:	594364
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.3	13.9
236	26.4	21.1	31.7

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#77

Pyrene

Concen: 22.89 ng

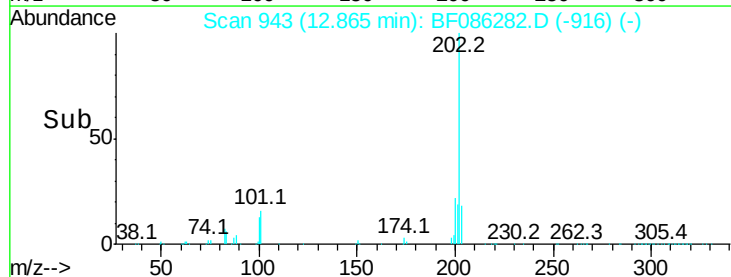
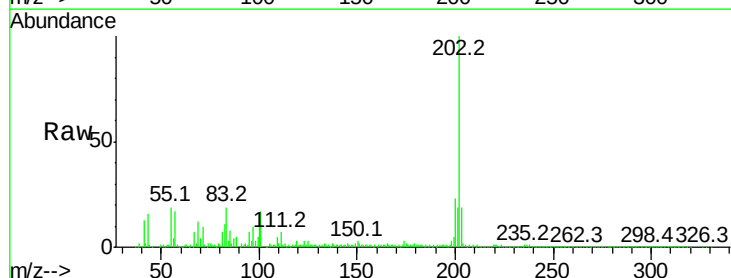
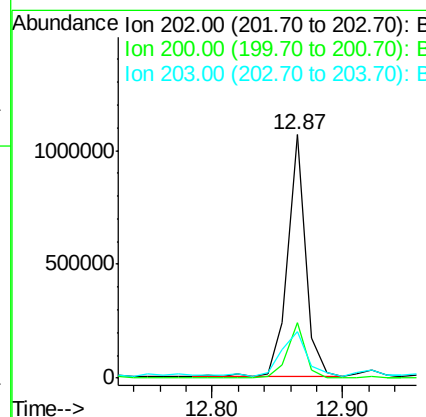
RT: 12.87 min Scan# 943

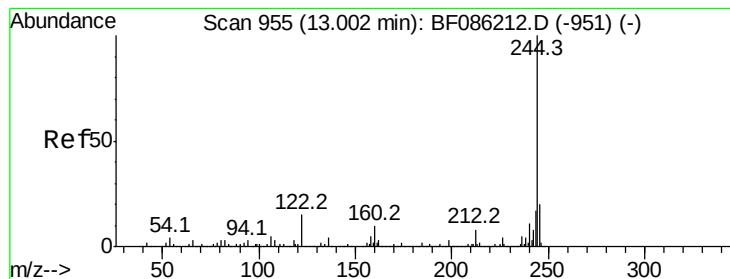
Delta R.T. 0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion:	202	Resp:	1043620
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.3	27.5
203	19.0	14.9	22.3





#78

Terphenyl-d14

Concen: 32.26 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

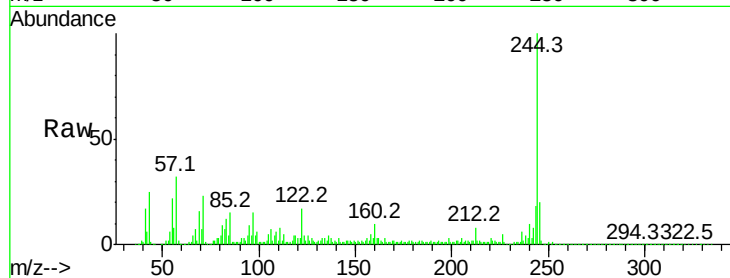
ClientSampleId :

A-1DL

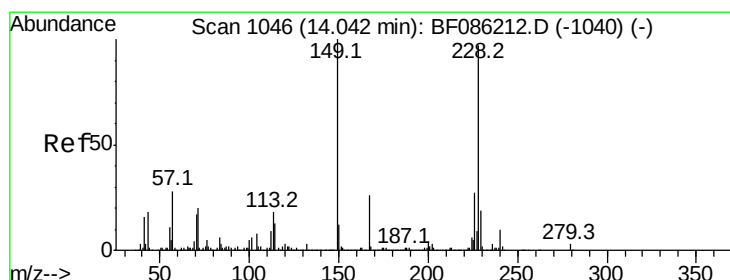
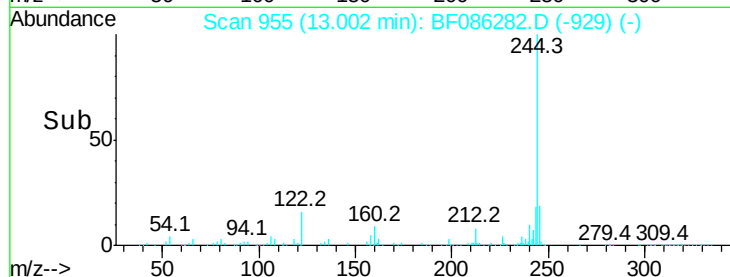
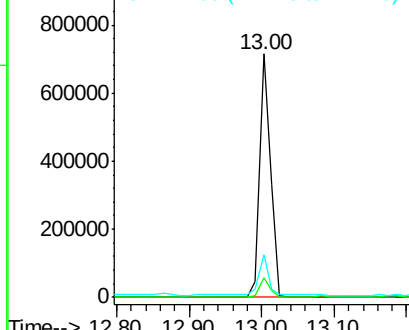
Tot Ion:	244	Resp:	762489
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.4	9.6
122	17.4	11.7	17.5

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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: 19.08 ng

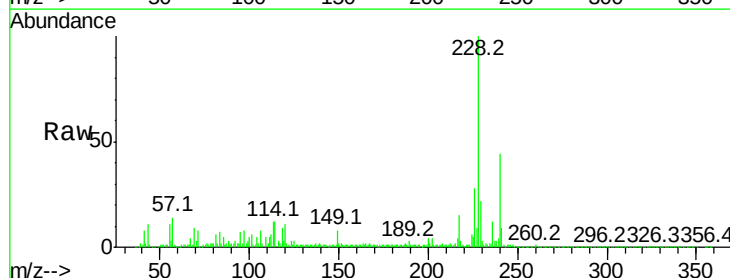
RT: 14.04 min Scan# 1046

Delta R.T. 0.00 min

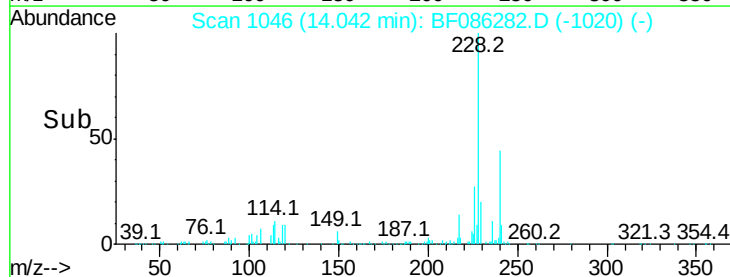
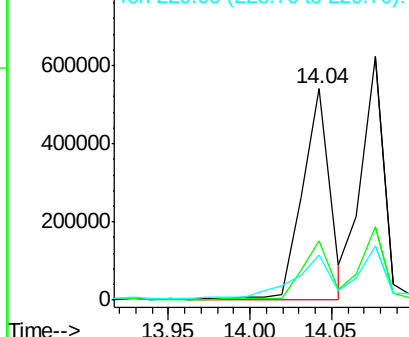
Lab File: BF086282.D

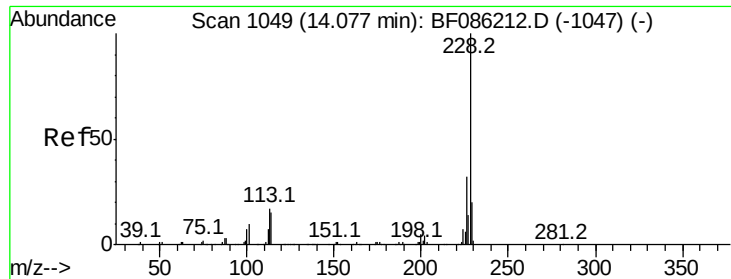
Acq: 18 Apr 2016 15:19

Tgt Ion:	228	Resp:	622434
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.5	33.7
229	21.6	16.2	24.2



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: 17.32 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

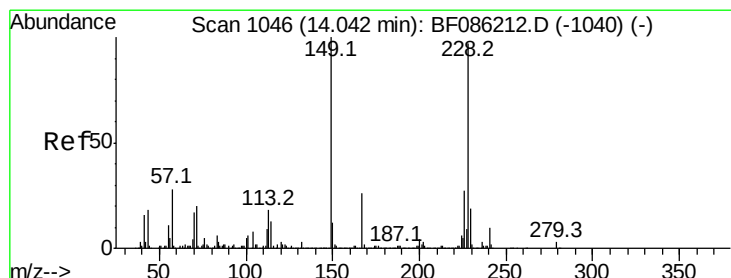
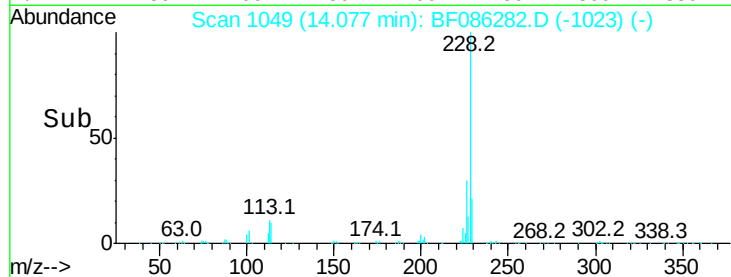
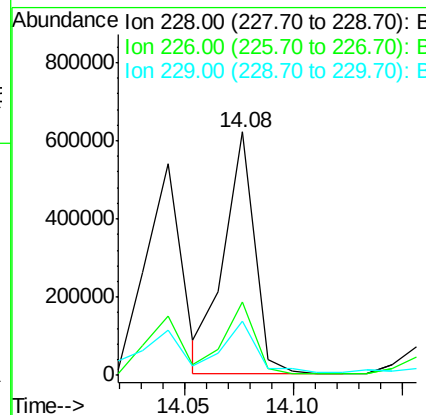
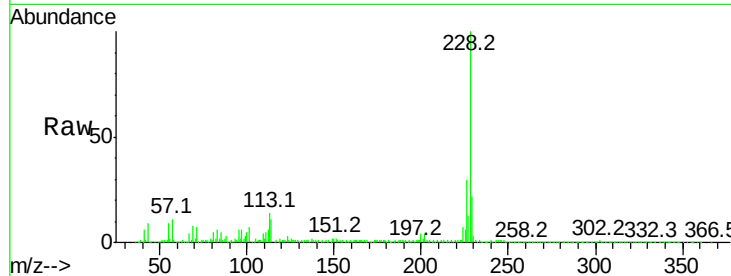
ClientSampled :

A-1DL

Tot Ion:	228	Resp:	602592
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	22.4	16.5	24.7

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.14 ng

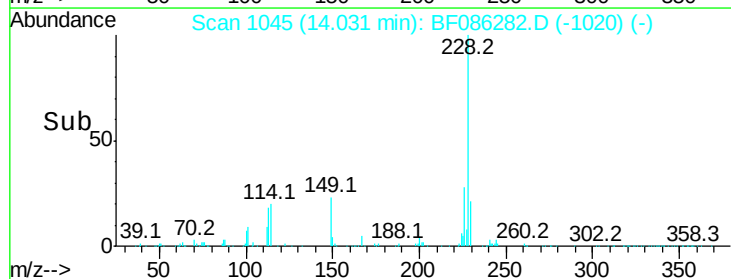
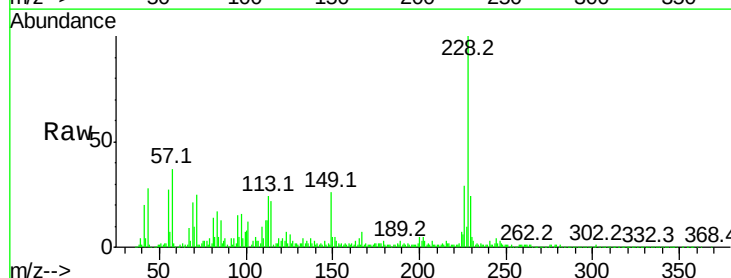
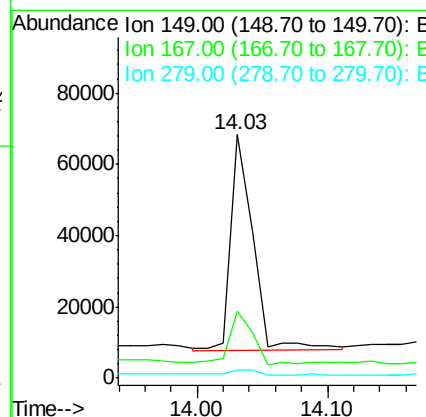
RT: 14.03 min Scan# 1045

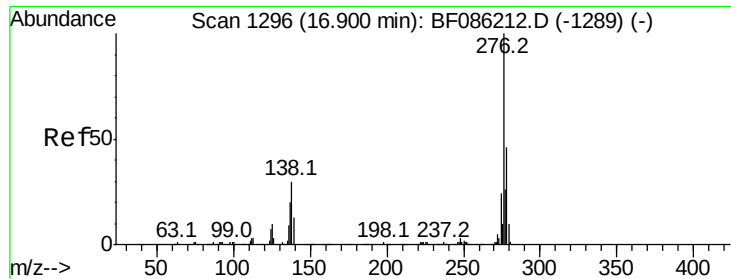
Delta R.T. -0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion:	149	Resp:	71445
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.0	31.4
279	3.4	2.4	3.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.80 ng

RT: 16.89 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

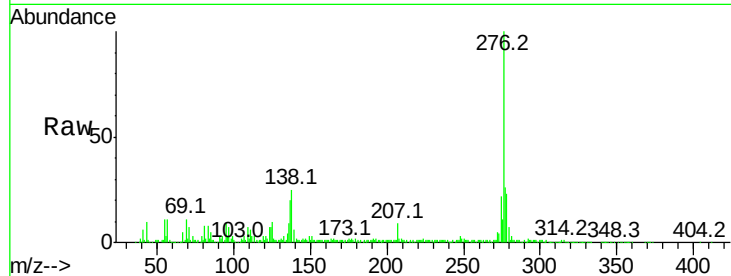
ClientSampleId :

A-1DL

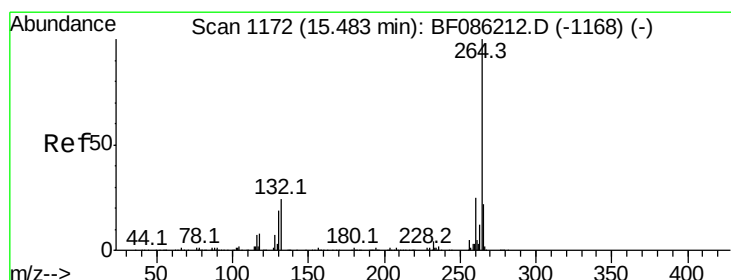
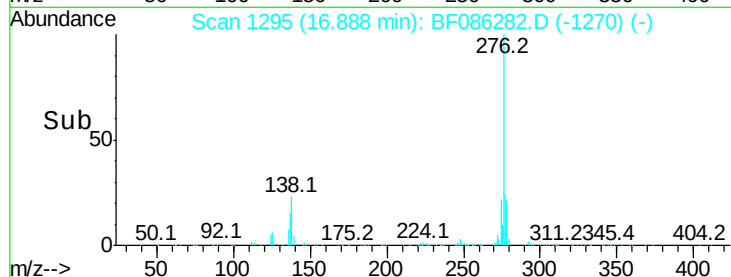
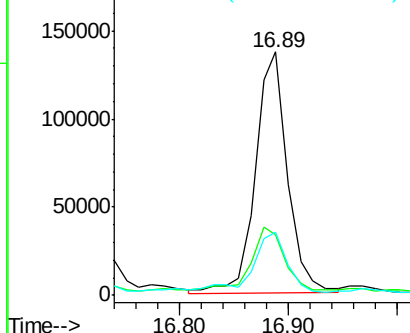
Tot Ion:	276	Resp:	280221
Ion Ratio		Lower	Upper
276	100		
138	27.8	23.8	35.6
277	28.6	20.2	30.2

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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

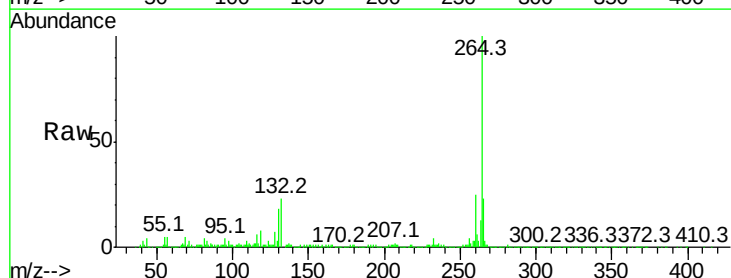
RT: 15.48 min Scan# 1172

Delta R.T. 0.00 min

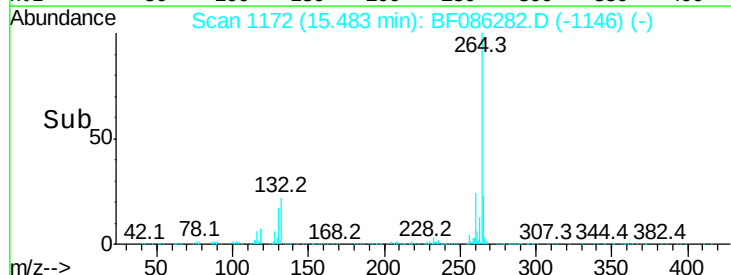
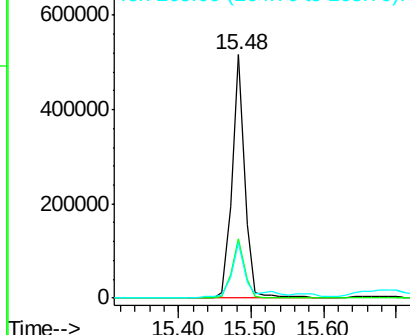
Lab File: BF086282.D

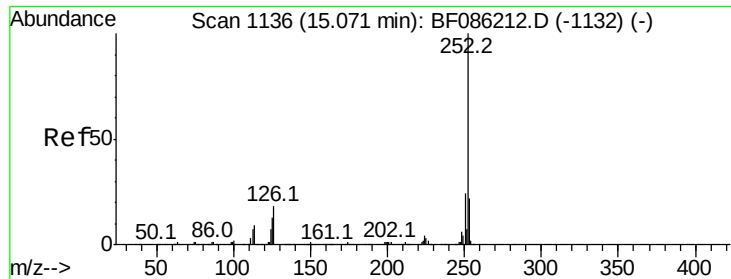
Acq: 18 Apr 2016 15:19

Tgt Ion:	264	Resp:	626976
Ion Ratio		Lower	Upper
264	100		
260	24.5	20.0	30.0
265	22.9	17.4	26.0



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: 19.15 ng m

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Instrument :

BNA_F

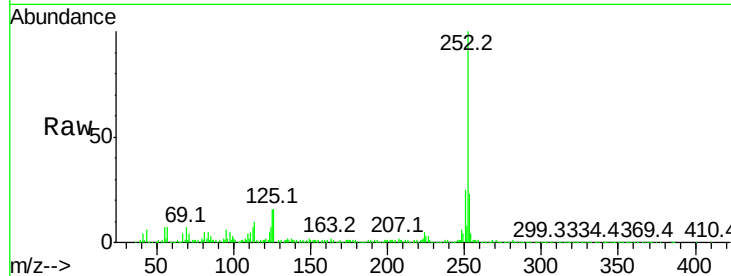
ClientSampleId :

A-1DL

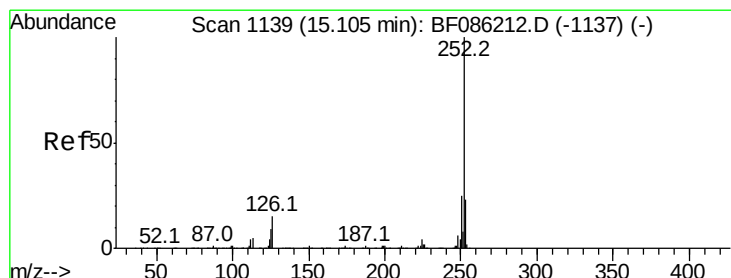
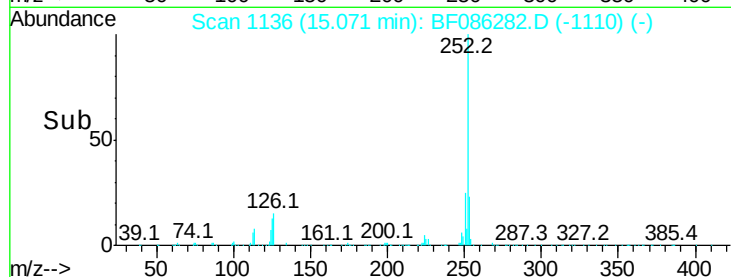
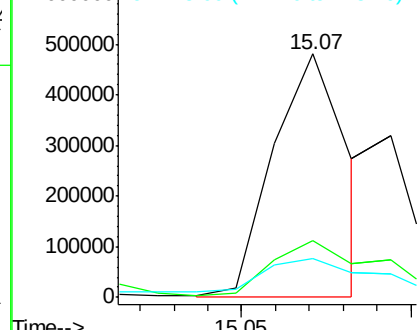
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	15.7	10.3	15.5#

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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



#88

Benzo(k)fluoranthene

Concen: 7.78 ng m

RT: 15.09 min Scan# 1138

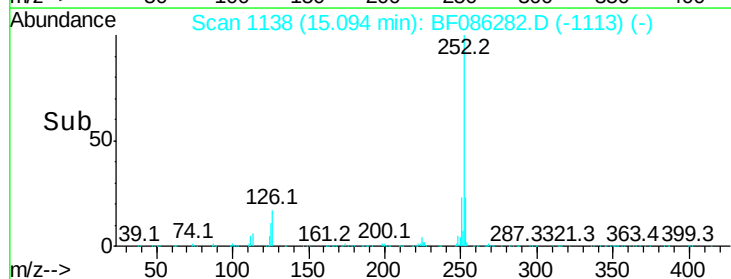
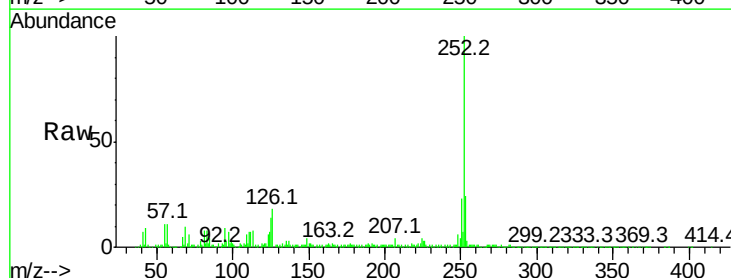
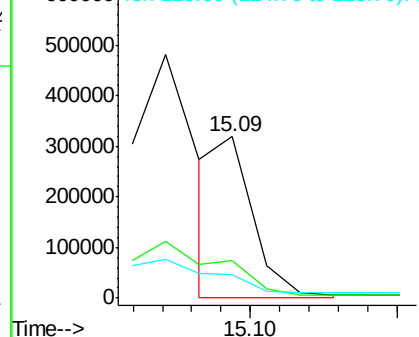
Delta R.T. -0.01 min

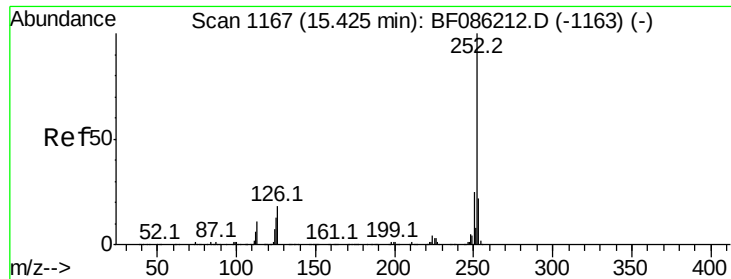
Lab File: BF086282.D

Acq: 18 Apr 2016 15:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	14.5	7.8	11.6#

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





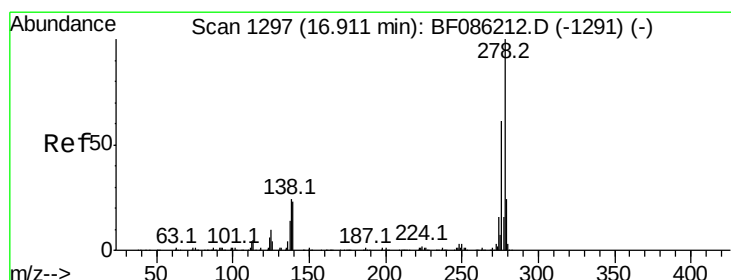
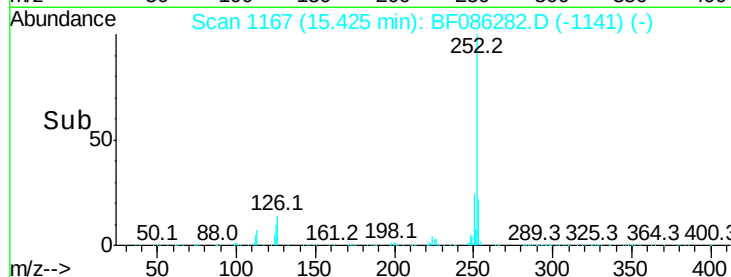
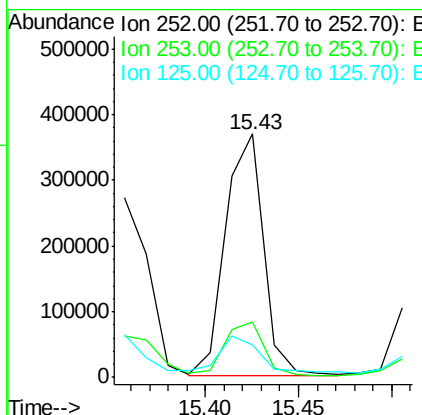
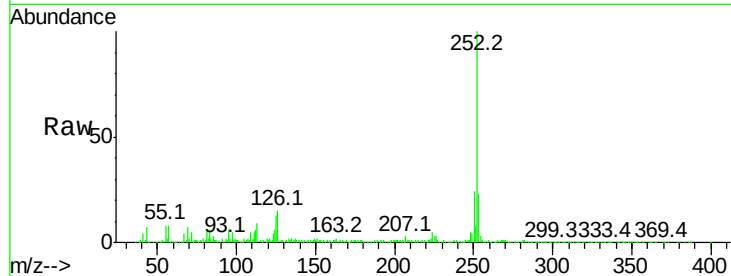
#89
Benzo(a)pyrene
Concen: 15.79 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF086282.D
Acq: 18 Apr 2016 15:19

Instrument :
BNA_F
ClientSampled :
A-1DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	529179		
253	22.9		17.8	26.8
125	13.1		11.2	16.8

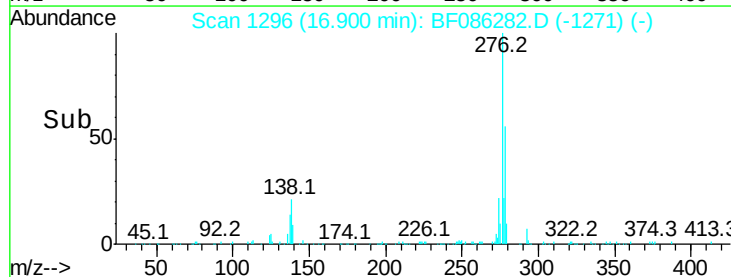
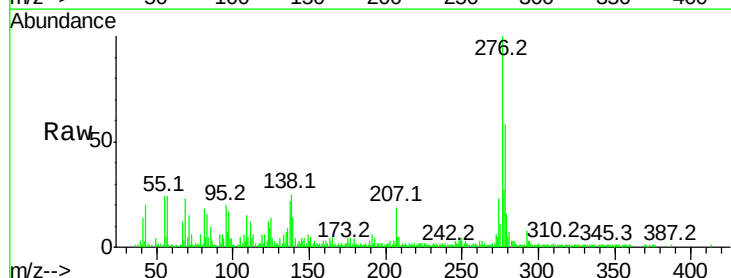
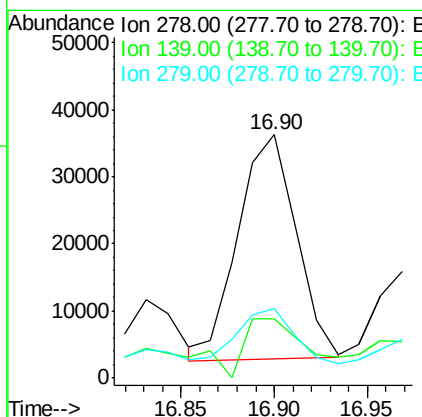
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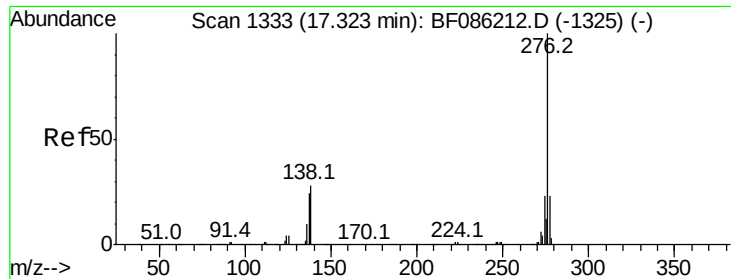
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#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng
RT: 16.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF086282.D
Acq: 18 Apr 2016 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	71982		
139	24.3		15.3	22.9#
279	28.5		19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 7.98 ng
 RT: 17.31 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF086282.D
 Acq: 18 Apr 2016 15:19

Instrument :
 BNA_F
 ClientSampleId :
 A-1DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	251327		
277	23.3		19.0	28.6
138	27.3		19.6	29.4

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