

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086273.D
 Acq On : 16 Apr 2016 18:37
 Operator : UM/SJ
 Sample : H2413-05
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-E-5(0-2)

Manual Integrations
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Sohil
 4/18/2016 7:35:44 PM

Quant Time: Apr 18 18:06:37 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	303134	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1098052	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	419095	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	616808	20.00	ng	0.00
75) Chrysene-d12	14.05	240	592681	20.00	ng	0.00
86) Perylene-d12	15.49	264	496717	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1627314	87.96	ng	0.01
7) Phenol-d6	6.52	99	1812511	78.32	ng	0.00
23) Nitrobenzene-d5	7.46	82	1293483	67.94	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	267458	79.48	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1575298	69.36	ng	-0.01
78) Terphenyl-d14	13.00	244	987185	41.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.65	163	210774	6.92	ng	98
70) Phenanthrene	11.44	178	160427	5.45	ng	97
74) Fluoranthene	12.62	202	381665	10.77	ng	99
77) Pyrene	12.85	202	386981	8.51	ng	98
80) Benzo(a)anthracene	14.04	228	221254	6.80	ng	95
82) Chrysene	14.08	228	226488m	6.53	ng	
85) Indeno(1,2,3-cd)pyrene	16.90	276	92022	3.23	ng	97
87) Benzo(b)fluoranthene	15.07	252	298118m	9.73	ng	
88) Benzo(k)fluoranthene	15.09	252	66889m	2.39	ng	
89) Benzo(a)pyrene	15.43	252	187836	7.08	ng	# 92
91) Benzo(g,h,i)perylene	17.32	276	100621	4.03	ng	# 89

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

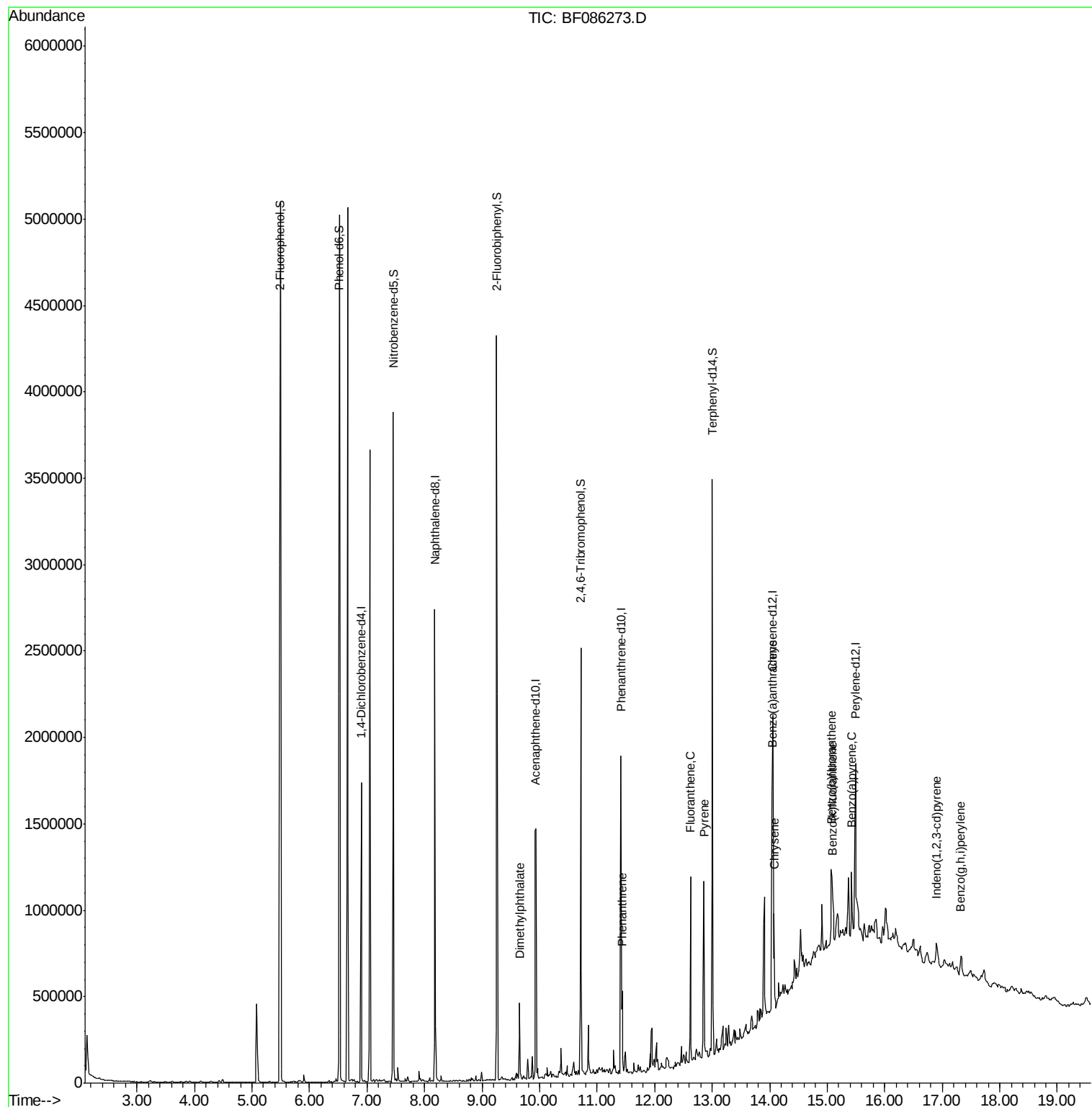
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086273.D
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Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 52 Sample Multiplier: 1

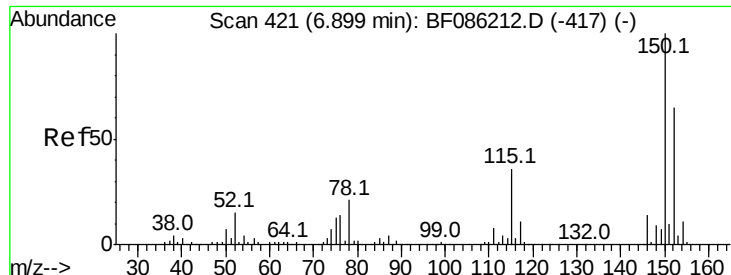
Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Manual Integrations
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#1

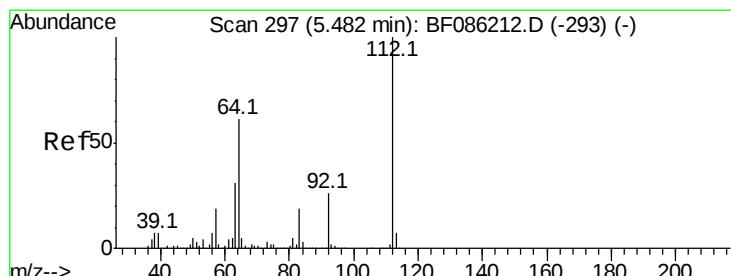
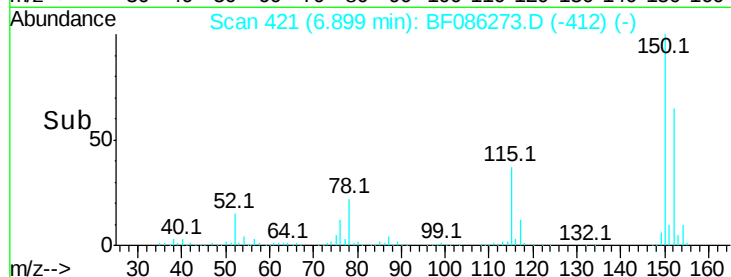
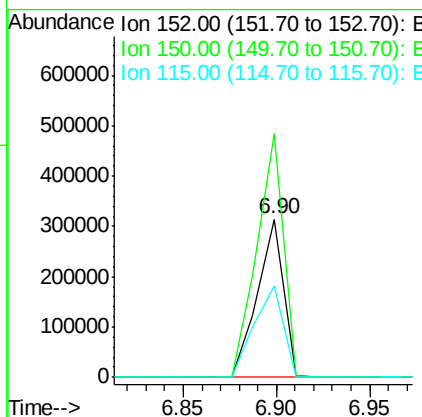
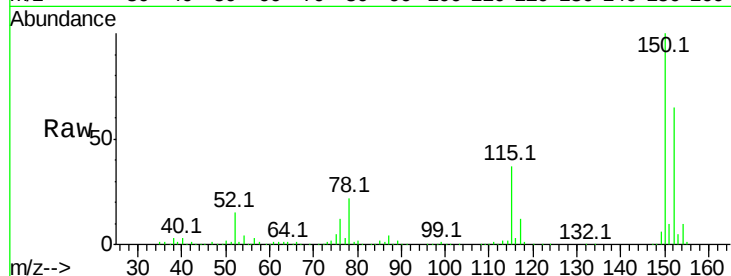
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.1	186.1
115	57.5	43.9	65.9

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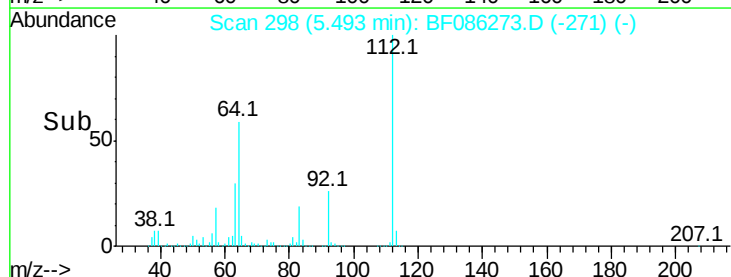
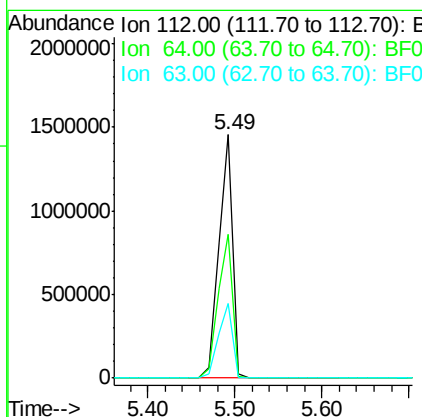
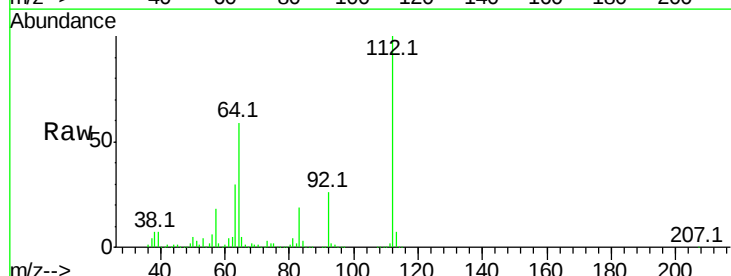
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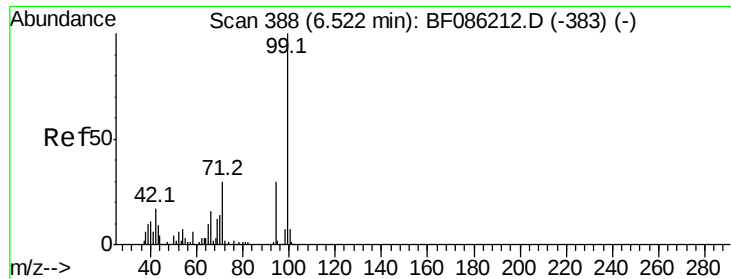


#5

2-Fluorophenol
Concen: 87.96 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.1	72.1
63	30.4	25.5	38.3





#7

Phenol-d6

Concen: 78.32 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

Tot Ion: 99 Resp: 1812511

Ion Ratio Lower Upper

99 100

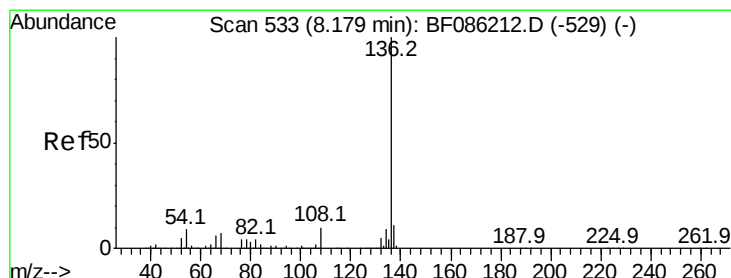
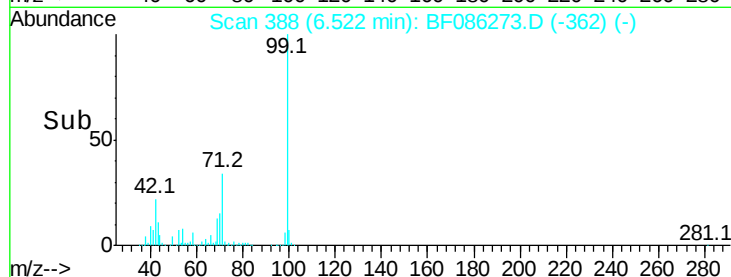
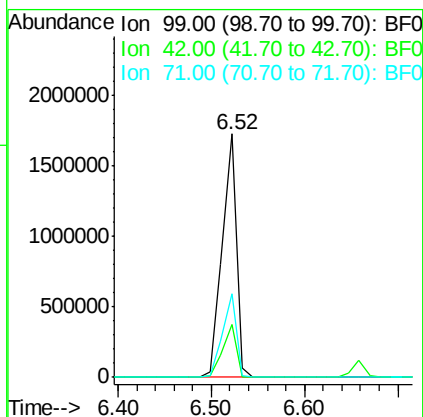
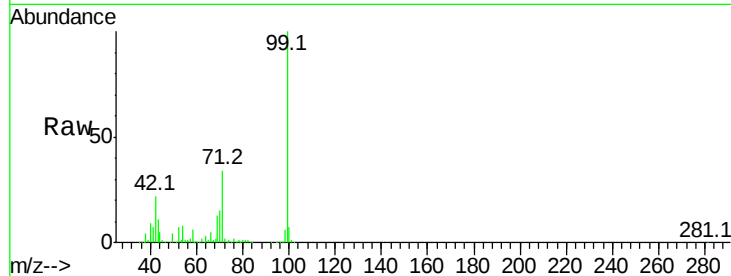
42 21.8 15.4 23.2

71 34.5 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: BF086273.D

Acq: 16 Apr 2016 18:37

Tgt Ion: 136 Resp: 1098052

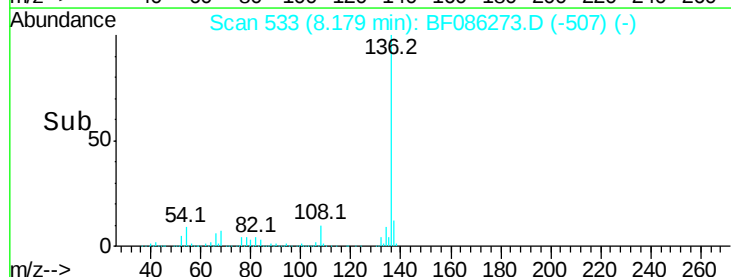
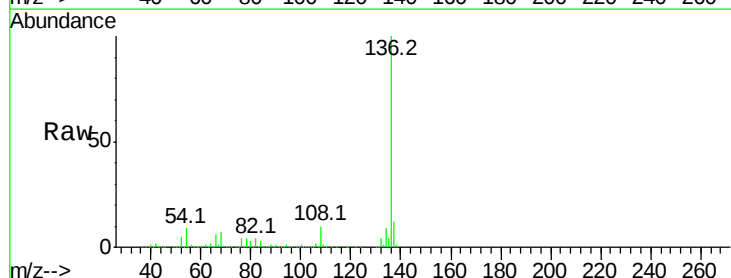
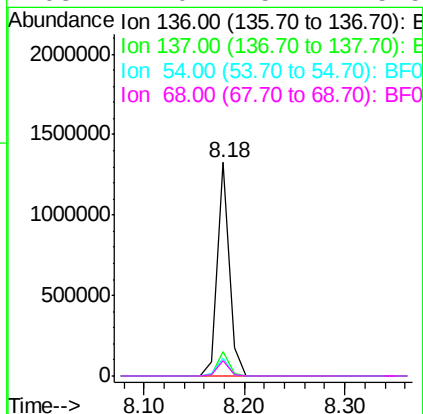
Ion Ratio Lower Upper

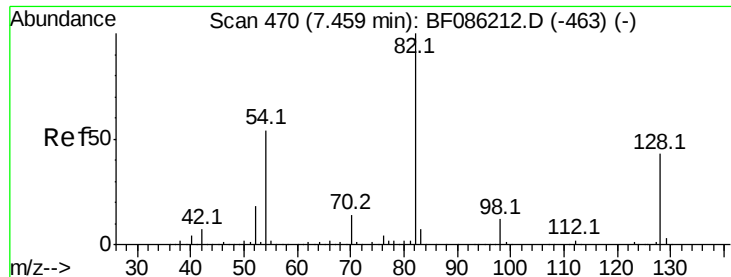
136 100

137 11.5 9.1 13.7

54 8.7 7.3 10.9

68 7.0 5.7 8.5





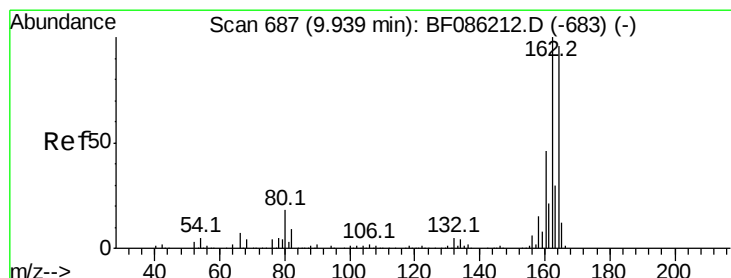
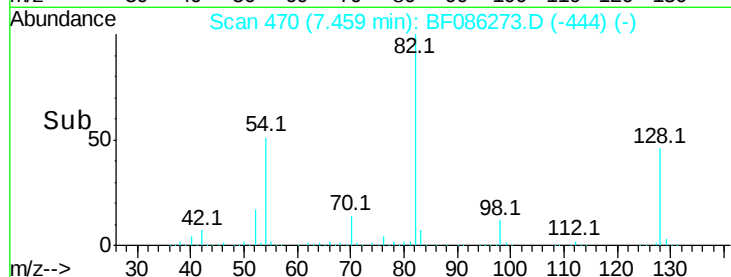
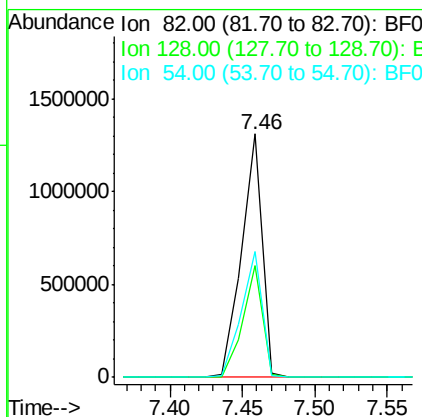
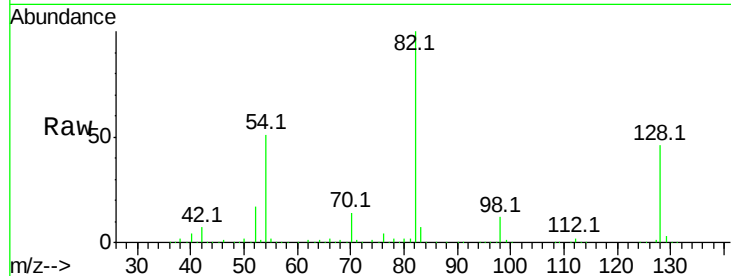
#23
Nitrobenzene-d5
Concen: 67.94 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.4	53.2
54	51.5	43.4	65.0

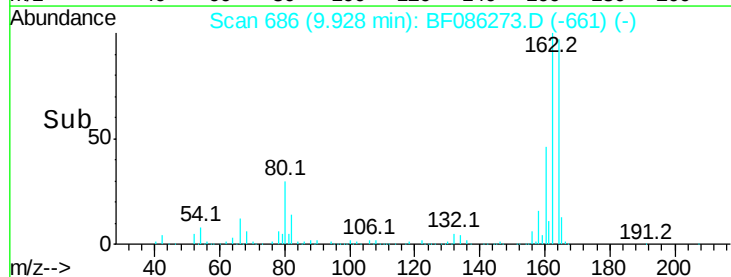
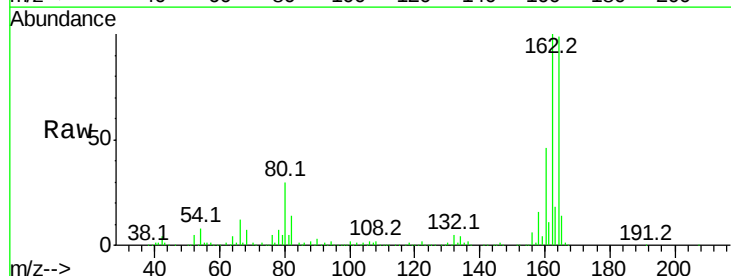
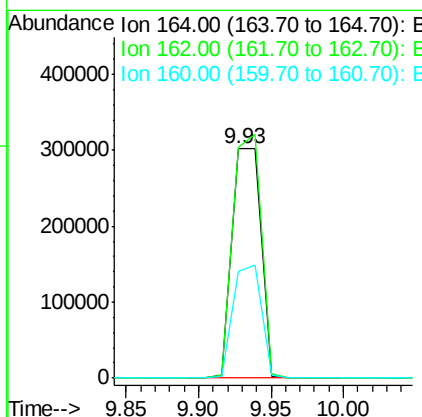
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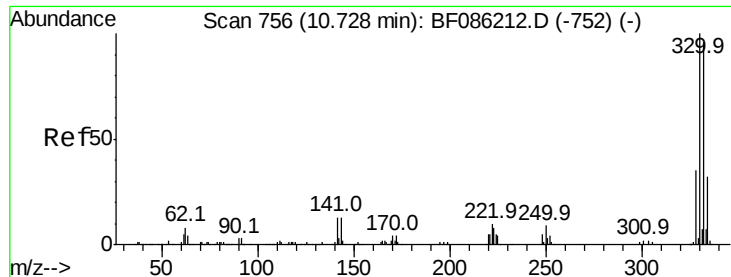
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.8	124.2
160	46.3	38.9	58.3





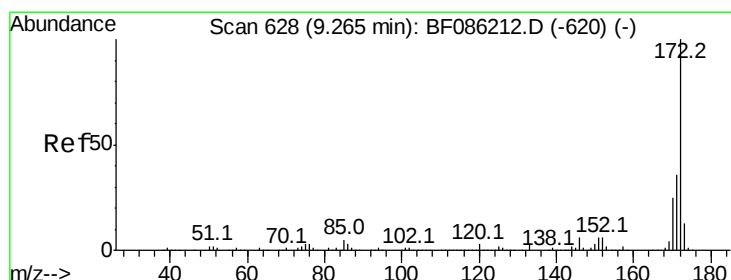
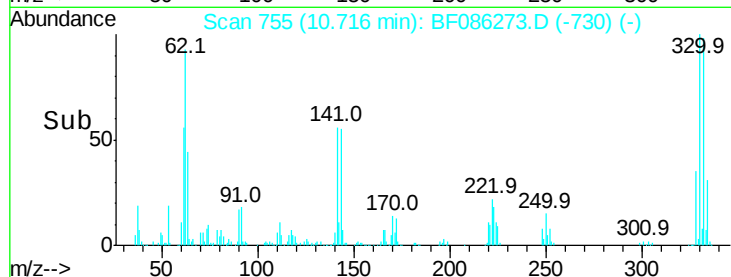
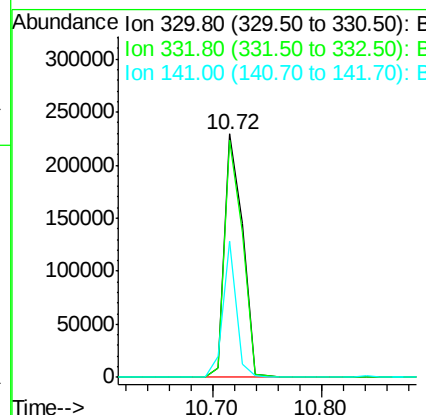
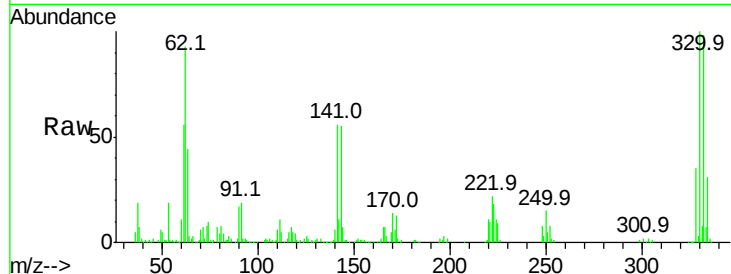
#41
 2,4,6-Tribromophenol
 Concen: 79.48 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086273.D
 Acq: 16 Apr 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-E-5(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	267458		
332	96.6		78.7	118.1
141	41.2		28.6	42.8

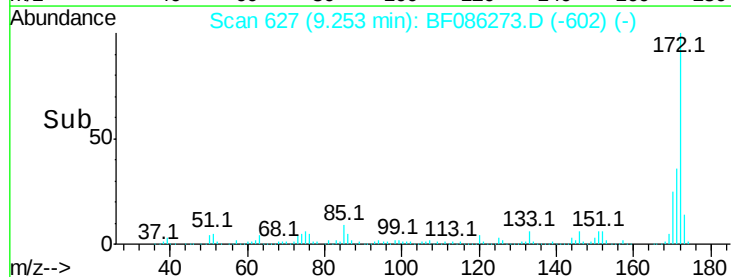
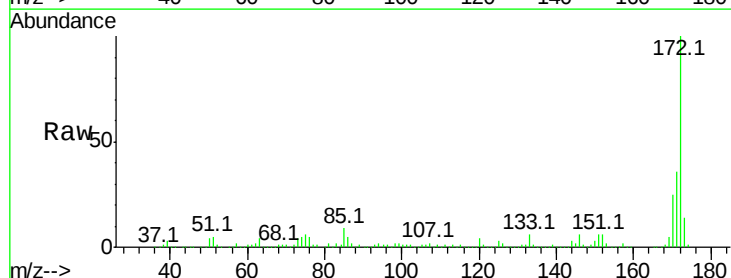
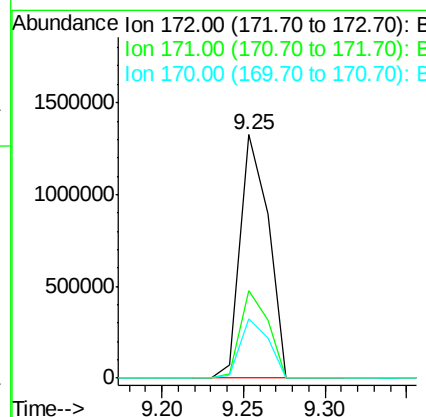
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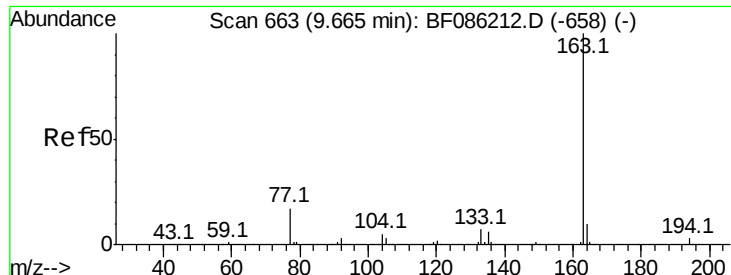
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#44
 2-Fluorobiphenyl
 Concen: 69.36 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086273.D
 Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1575298		
171	35.8		29.1	43.7
170	24.6		19.9	29.9





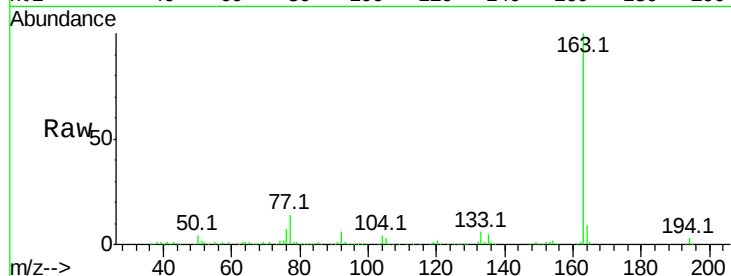
#49
Dimethylphthalate
Concen: 6.92 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

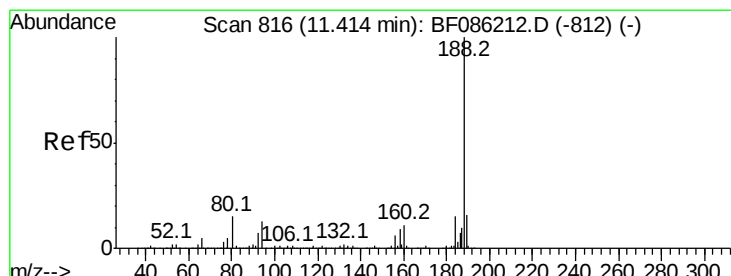
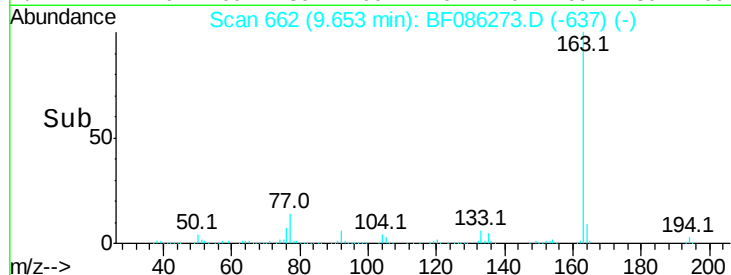
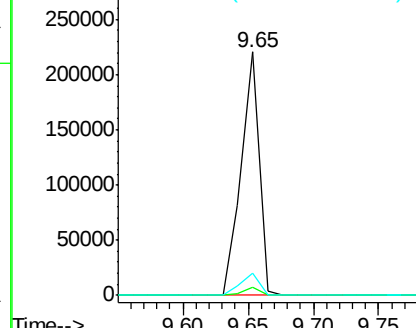
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.3	8.4	12.6

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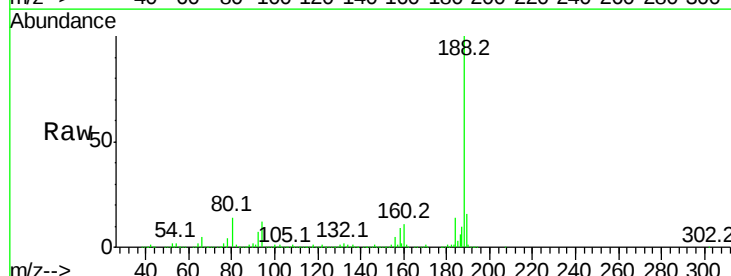


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

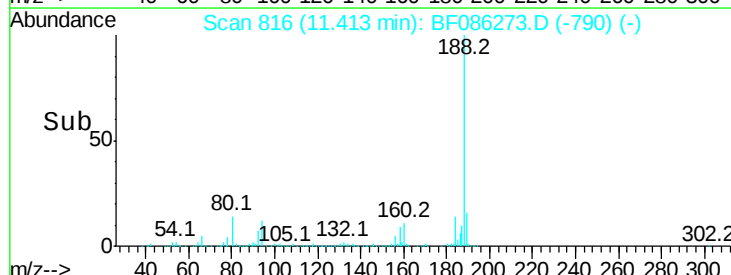
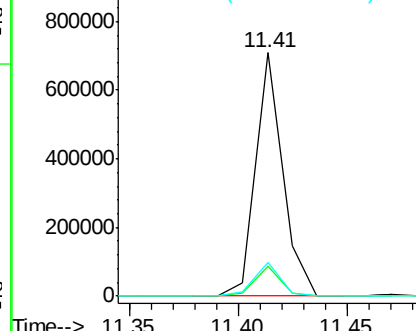


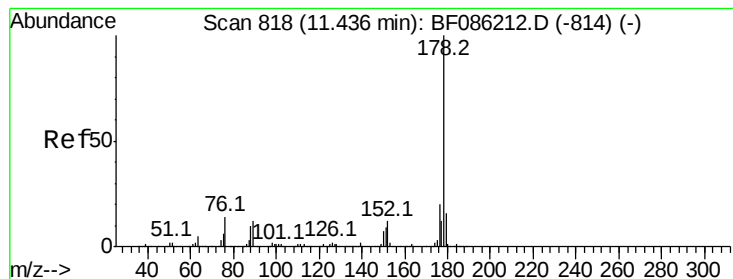
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.4	9.8	14.8
80	13.6	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: 5.45 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

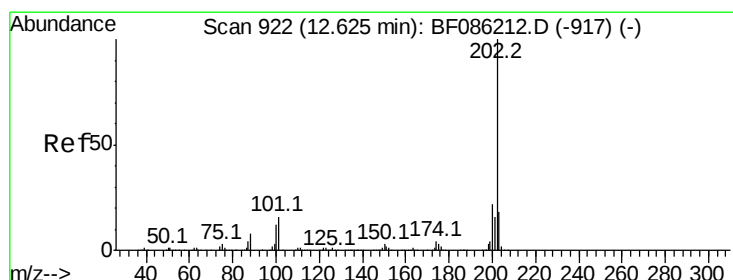
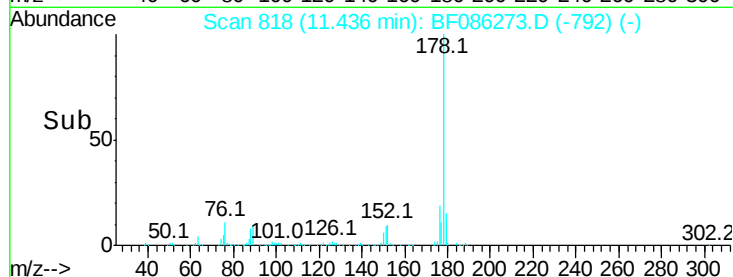
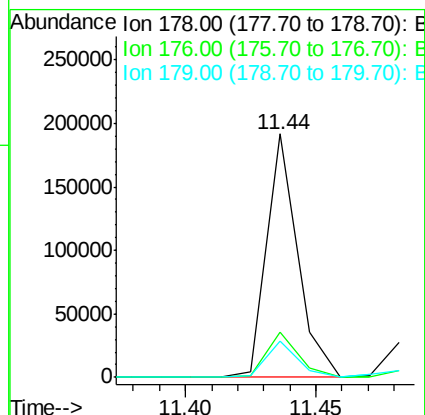
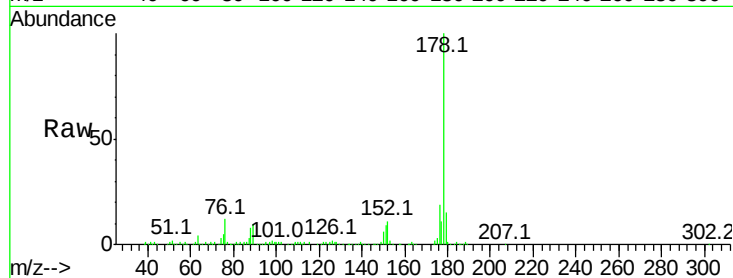
ClientSampleId :

SP-2-E-5(0-2)

Tot Ion:178	Resp:	160427
Ion Ratio	Lower	Upper
178 100		
176 18.6	16.3	24.5
179 15.0	13.0	19.6

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#74

Fluoranthene

Concen: 10.77 ng

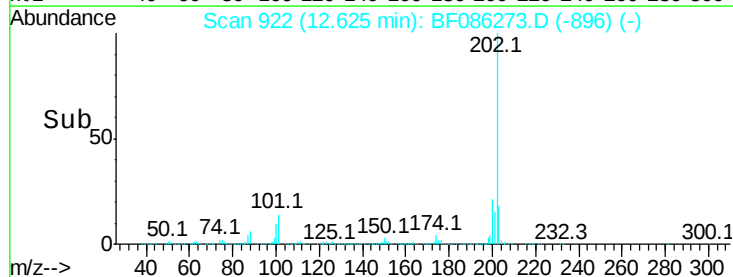
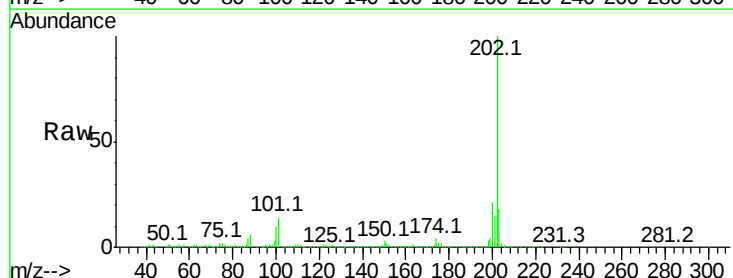
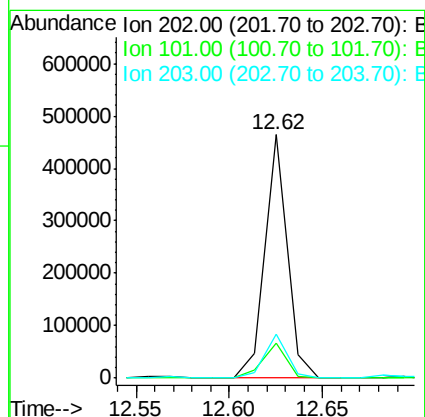
RT: 12.62 min Scan# 922

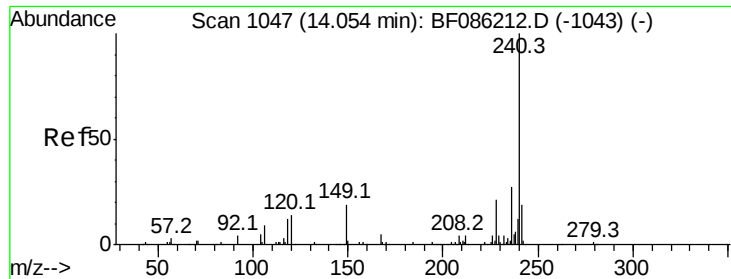
Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Tgt Ion:202	Resp:	381665
Ion Ratio	Lower	Upper
202 100		
101 14.4	0.0	35.2
203 17.8	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: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

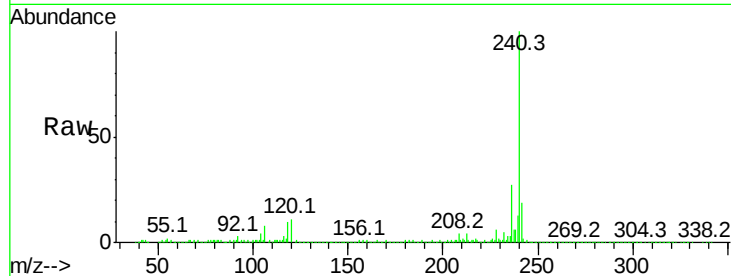
ClientSampleId :

SP-2-E-5(0-2)

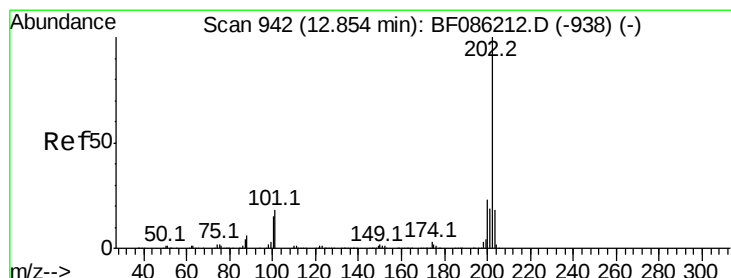
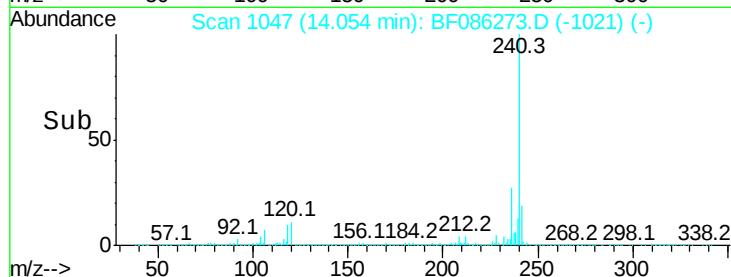
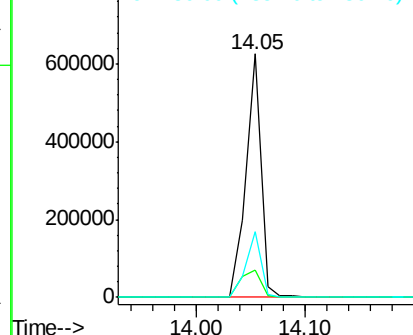
Tot Ion:	240	Resp:	592681
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.3	13.9
236	26.8	21.1	31.7

Manual Integrations
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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: 8.51 ng

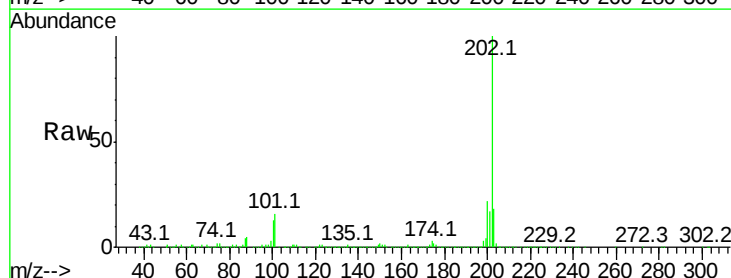
RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

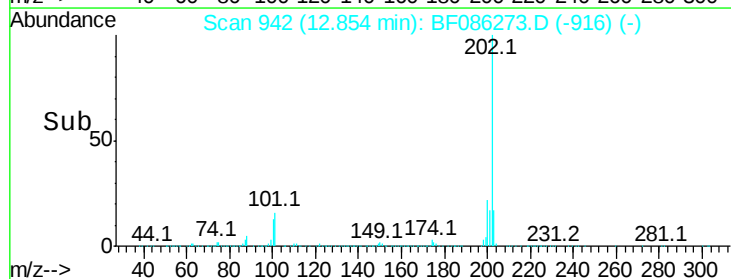
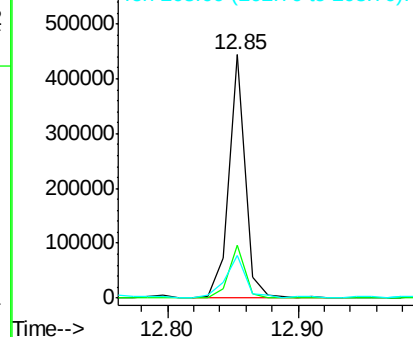
Lab File: BF086273.D

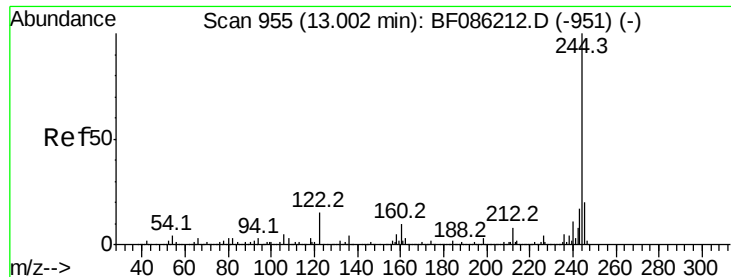
Acq: 16 Apr 2016 18:37

Tgt Ion:	202	Resp:	386981
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.3	27.5
203	17.6	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: 41.88 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

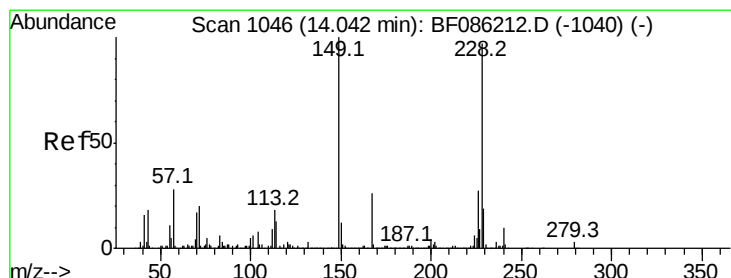
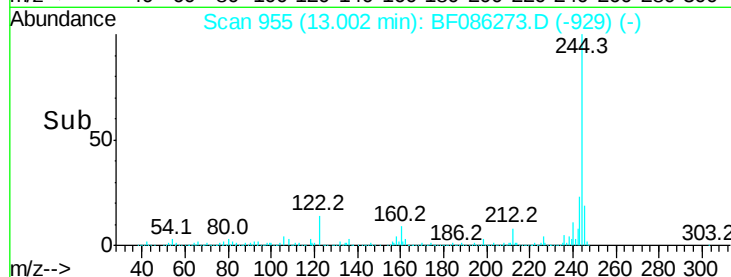
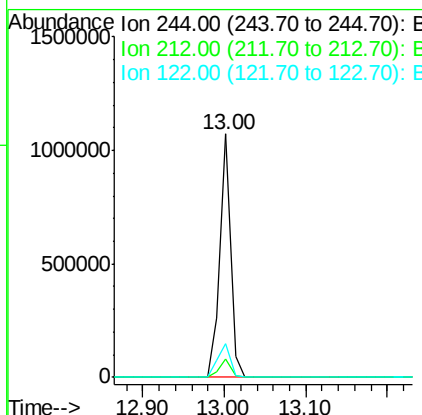
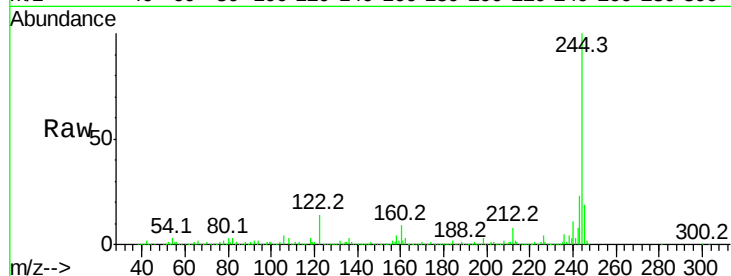
ClientSampled :

SP-2-E-5(0-2)

Tot Ion:	244	Resp:	987185
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.4	9.6
122	14.1	11.7	17.5

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#80

Benzo(a)anthracene

Concen: 6.80 ng

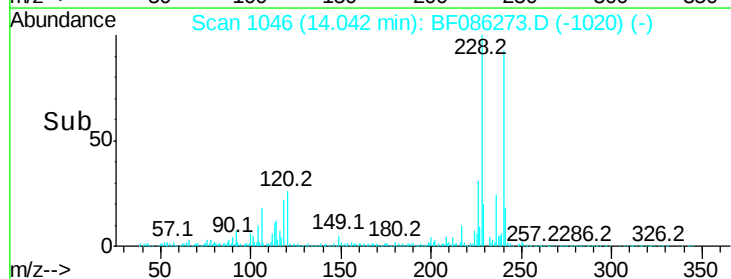
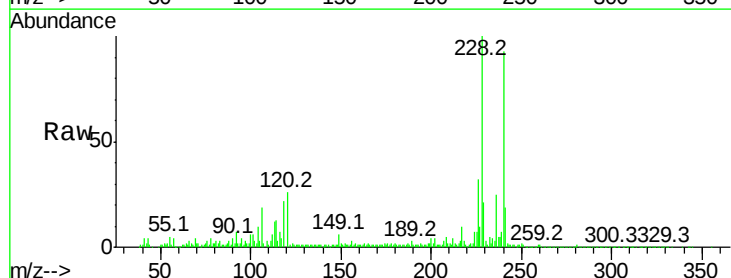
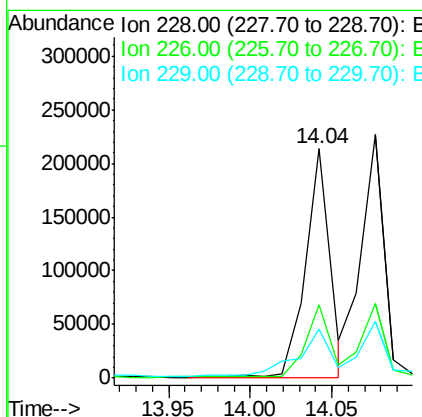
RT: 14.04 min Scan# 1046

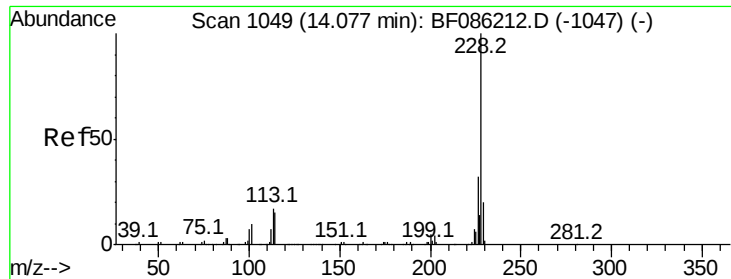
Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Tgt Ion:	228	Resp:	221254
Ion Ratio	Lower	Upper	
228	100		
226	32.1	22.5	33.7
229	21.2	16.2	24.2





#82

Chrysene

Concen: 6.53 ng/mL

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

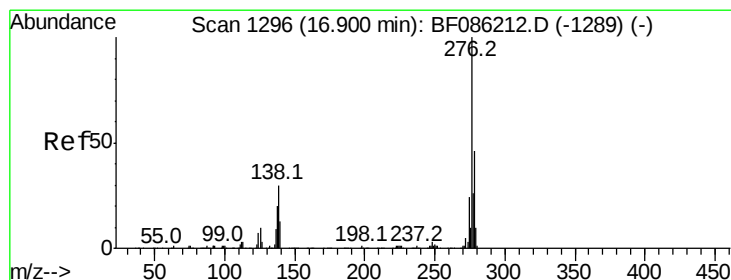
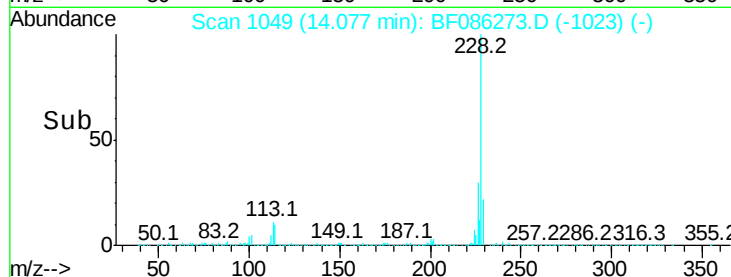
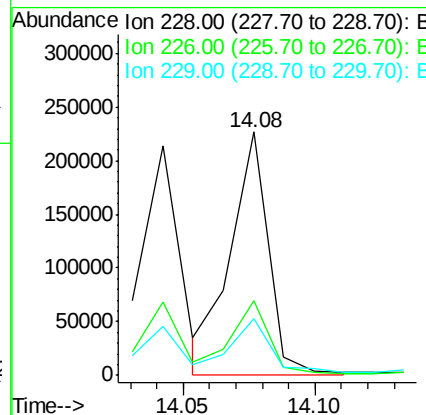
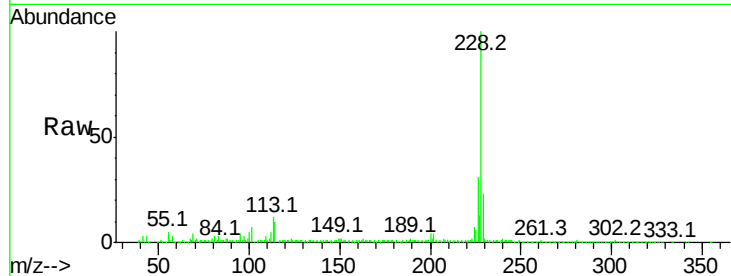
ClientSampled :

SP-2-E-5(0-2)

Tot Ion:	228	Resp:	226488
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.4	38.2
229	23.4	16.5	24.7

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.23 ng/mL

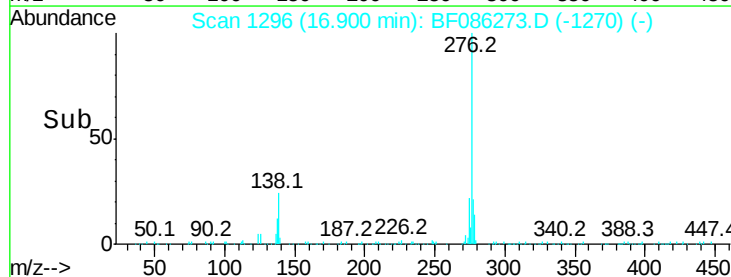
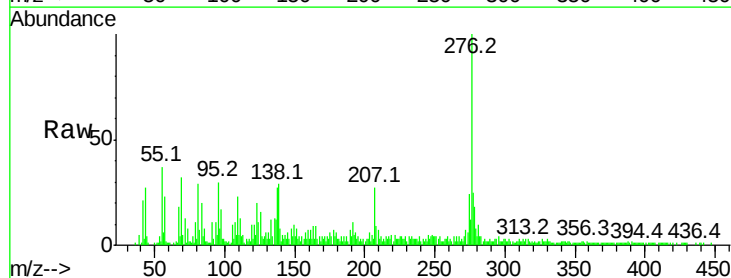
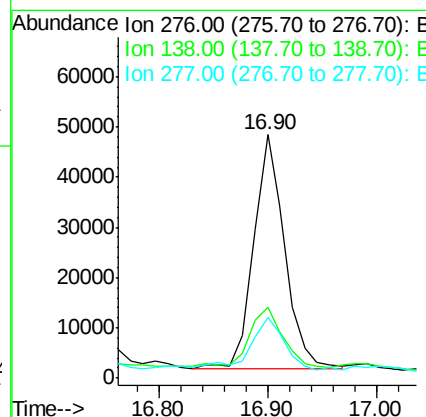
RT: 16.90 min Scan# 1296

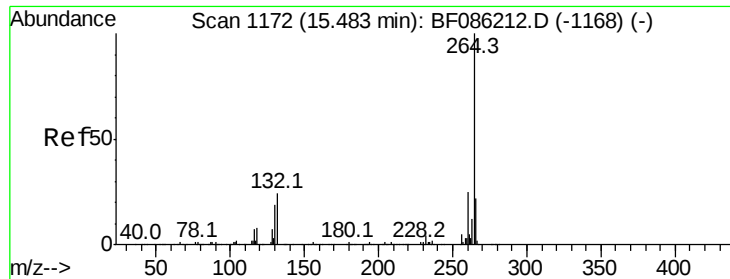
Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Tgt Ion:	276	Resp:	92022
Ion Ratio	Lower	Upper	
276	100		
138	27.9	23.8	35.6
277	26.1	20.2	30.2





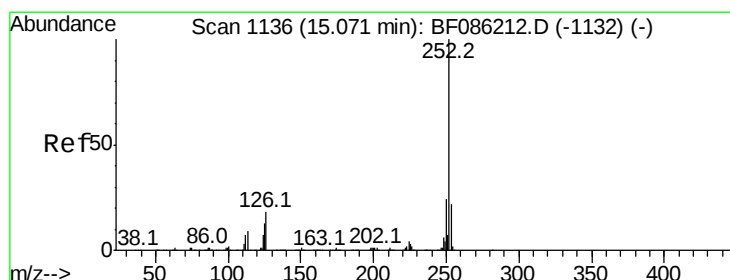
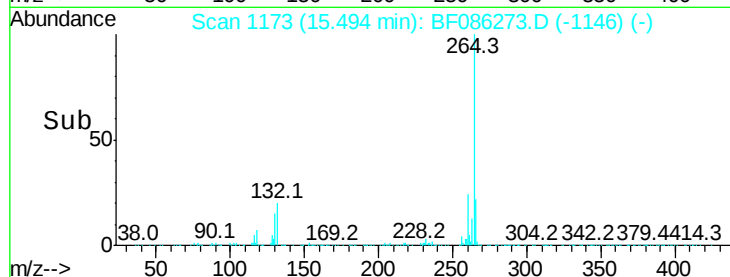
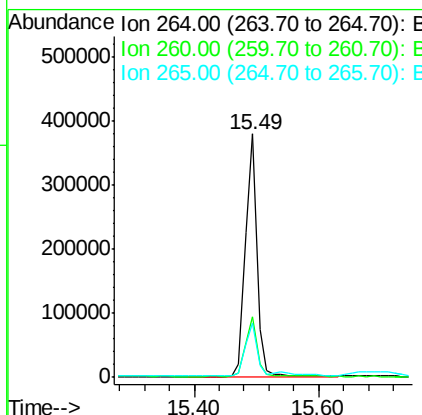
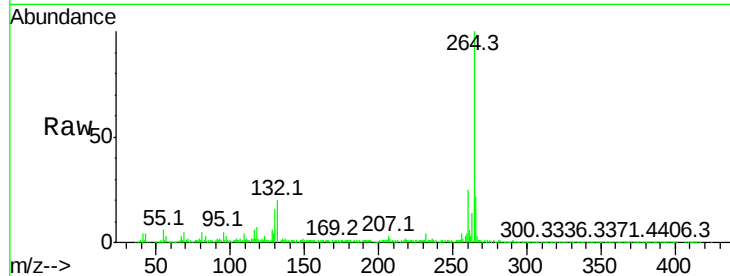
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	22.3	17.4	26.0

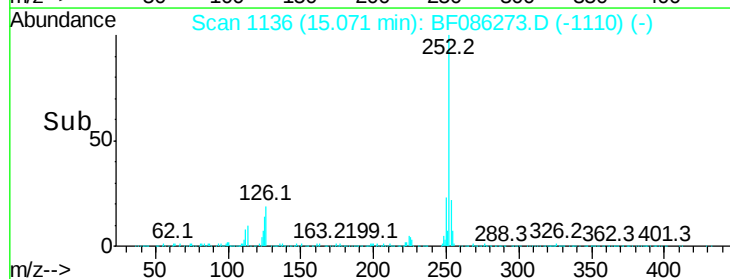
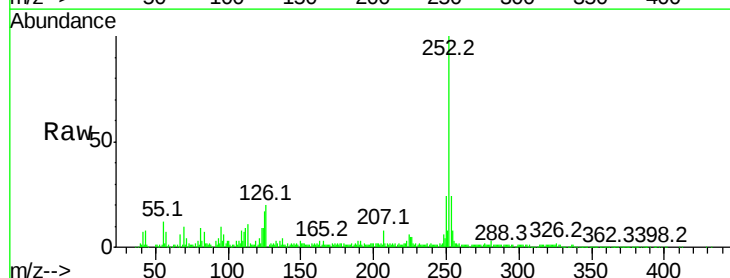
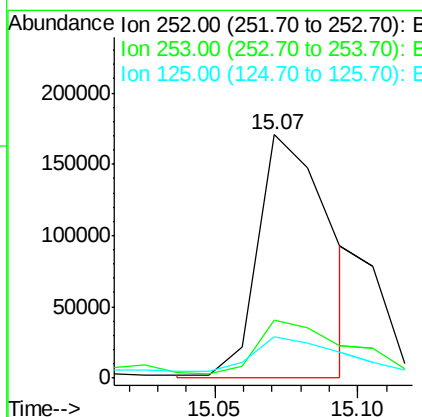
Manual Integrations
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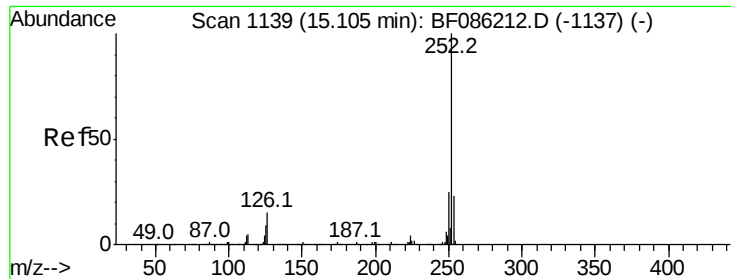
Sohil
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#87
Benzo(b)fluoranthene
Concen: 9.73 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	17.0	10.3	15.5#





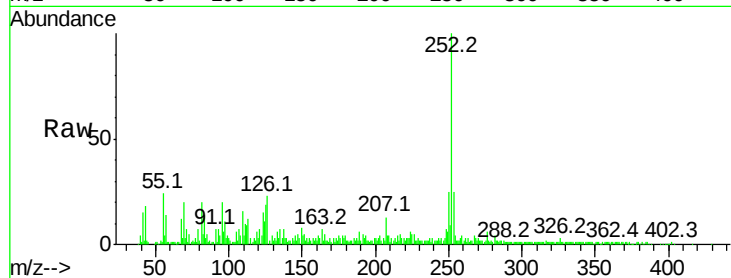
#88
Benzo(k)fluoranthene
Concen: 2.39 ng/ml
RT: 15.09 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	19.4	7.8	11.6

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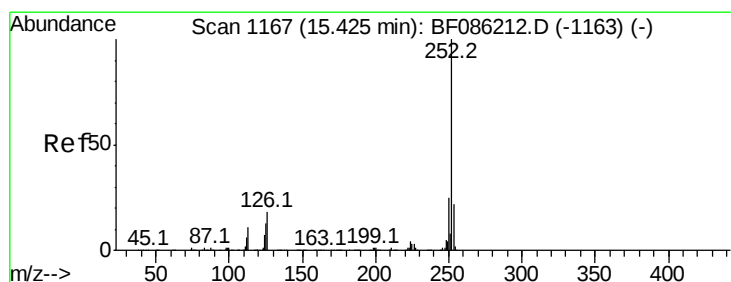
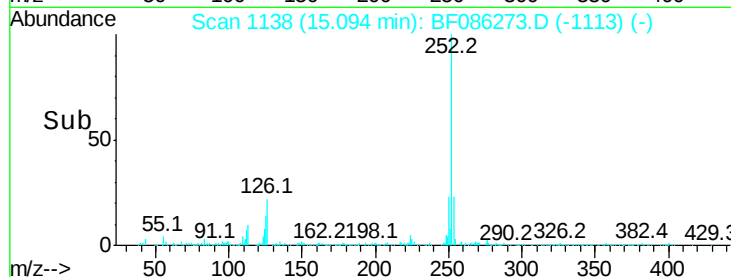
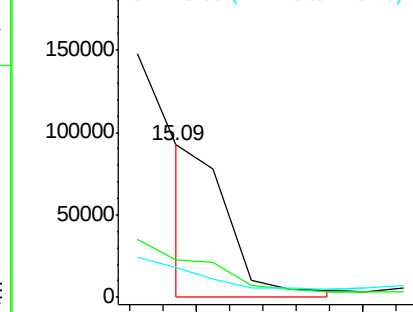


Abundance

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



#89
Benzo(a)pyrene
Concen: 7.08 ng/ml
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

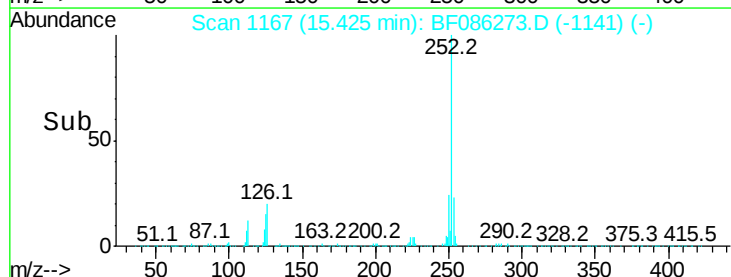
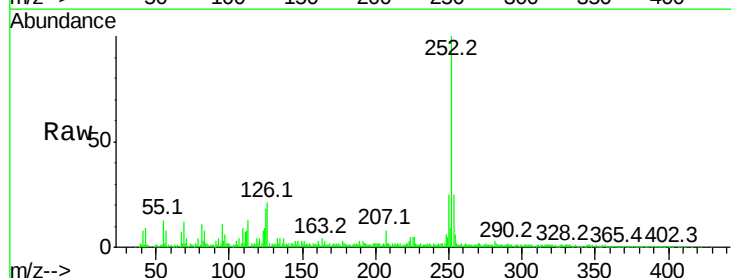
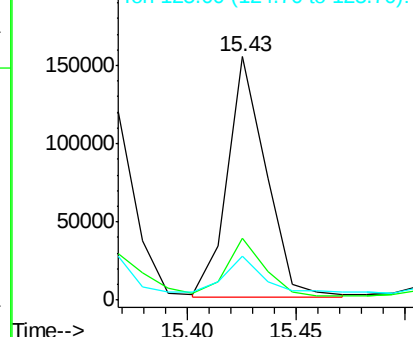
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	18.2	11.2	16.8

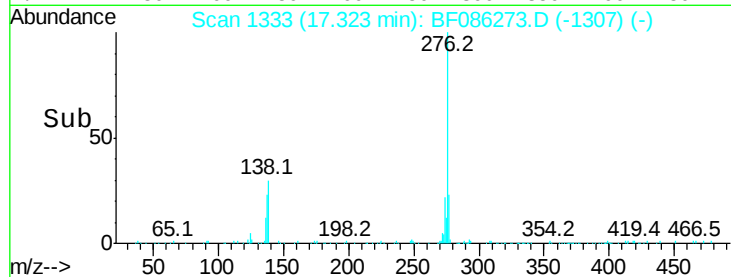
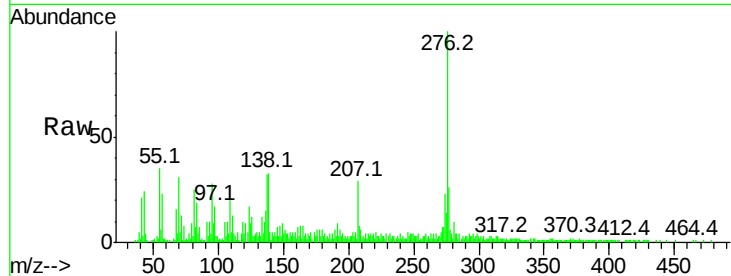
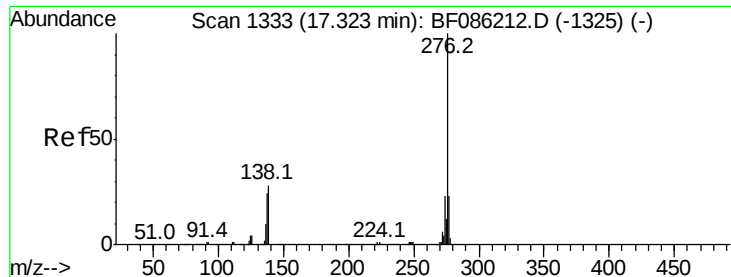
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 4.03 ng
 RT: 17.32 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BF086273.D
 Acq: 16 Apr 2016 18:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-E-5(0-2)

Tot Ion:	276	Resp:	100621
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.0	28.6
138	33.1	19.6	29.4#

Manual Integrations
 APPROVED

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 4/18/2016 7:35:44 PM

