

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
 Data File : BF088490.D
 Acq On : 28 Jun 2016 20:36
 Operator : UM/SJ
 Sample : H3663-07DL 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUBSURFACEDUPDL

Manual Integrations
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Quant Time: Jun 29 12:49:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	92510m	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	411749	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	178052	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	304555	20.00	ng	-0.03
75) Chrysene-d12	13.66	240	179091	20.00	ng	-0.03
86) Perylene-d12	15.02	264	159739	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	4904	0.91	ng	0.08
7) Phenol-d6	6.24	99	12636	1.93	ng	0.01
23) Nitrobenzene-d5	7.16	82	5103	0.72	ng	0.03
41) 2,4,6-Tribromophenol	10.35	330	2171	1.15	ng	-0.02
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	12.62	244	15388	1.96	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.05	178	274954	17.20	ng	98
71) Anthracene	11.11	178	88483	5.49	ng	98
72) Carbazole	11.28	167	40036	2.65	ng	99
74) Fluoranthene	12.24	202	575856	34.14	ng	99
77) Pyrene	12.47	202	465923	35.06	ng	99
80) Benzo(a)anthracene	13.66	228	259586m	25.44	ng	
82) Chrysene	13.69	228	245504m	25.57	ng	
85) Indeno(1,2,3-cd)pyrene	16.24	276	198467	22.25	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	379022m	34.04	ng	
88) Benzo(k)fluoranthene	14.67	252	102609m	12.22	ng	
89) Benzo(a)pyrene	14.96	252	236779	26.29	ng	98
90) Dibenzo(a,h)anthracene	16.24	278	70250m	8.40	ng	
91) Benzo(a,h,i)perylene	16.61	276	198538	23.07	ng	97

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

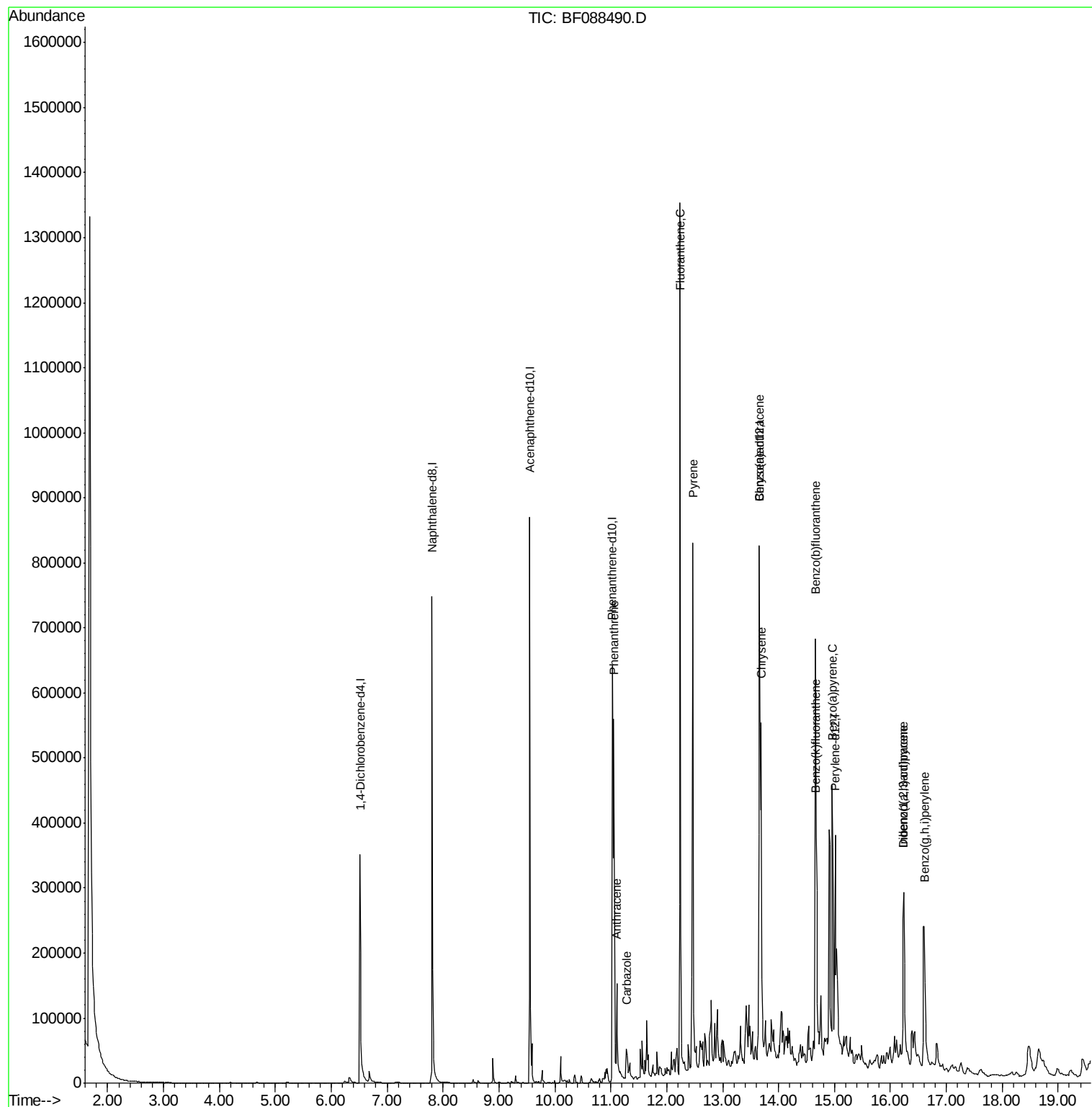
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088490.D
Acq On : 28 Jun 2016 20:36
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ALS Vial : 7 Sample Multiplier: 1

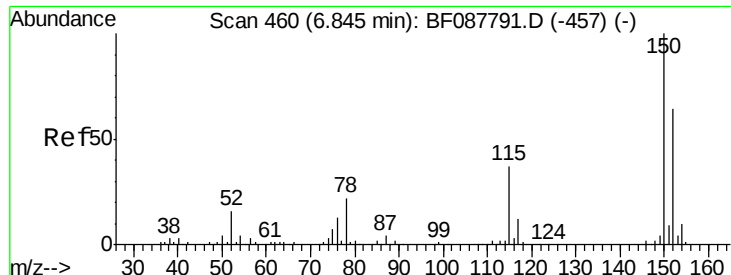
Instrument :
BNA_F
ClientSampleId :
SUBSURFACEDUPDL

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#1

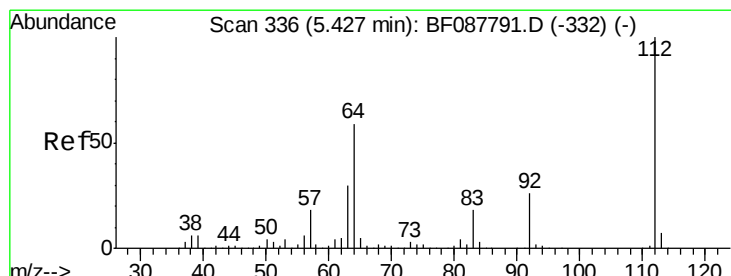
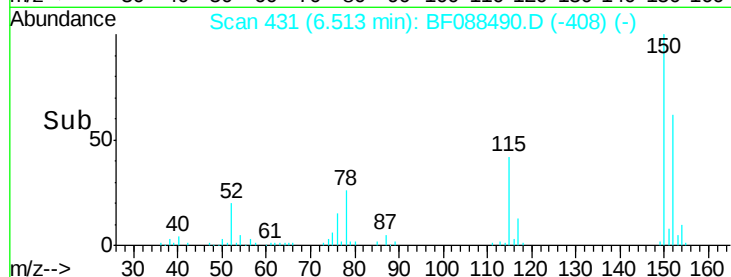
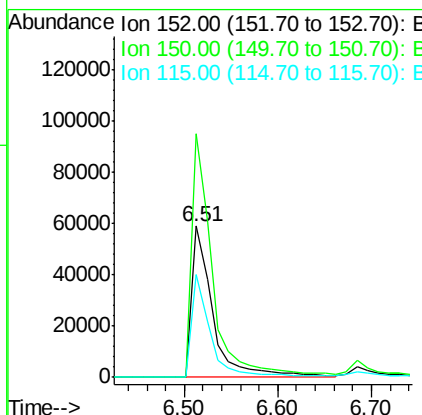
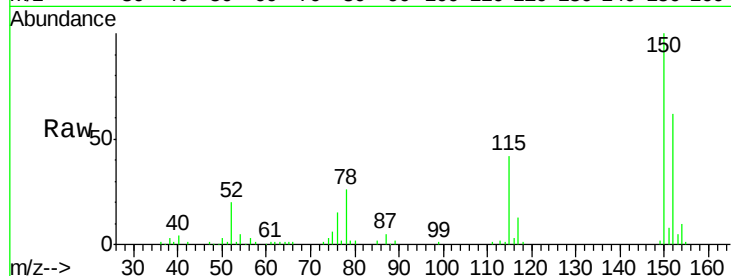
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.51 min Scan# 431
 Delta R.T. -0.03 min
 Lab File: BF088490.D
 Acq: 28 Jun 2016 20:36

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	123.8	185.6
115	68.4	39.6	59.4

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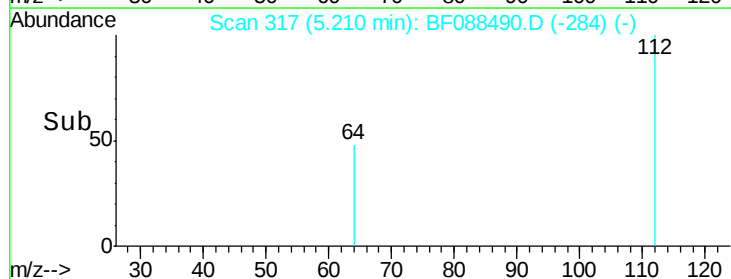
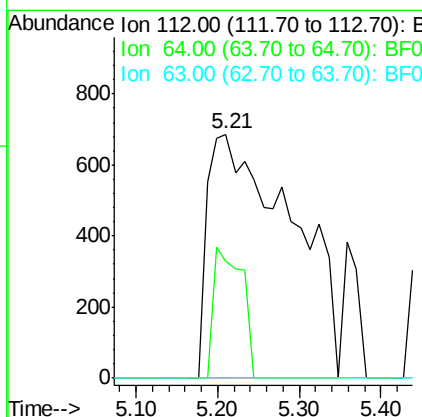
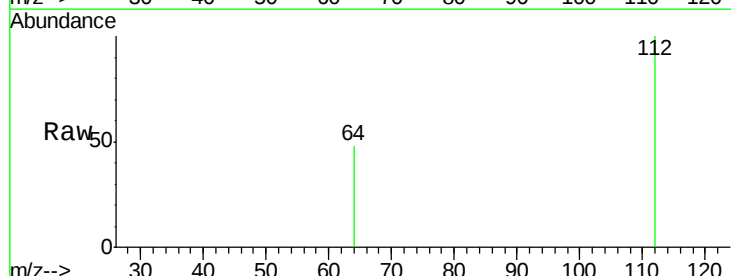
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#5

2-Fluorophenol
 Concen: 0.91 ng
 RT: 5.21 min Scan# 317
 Delta R.T. 0.08 min
 Lab File: BF088490.D
 Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.8	42.2	63.2
63	0.0	21.8	32.8





#7

Phenol-d6

Concen: 1.93 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Instrument :

BNA_F

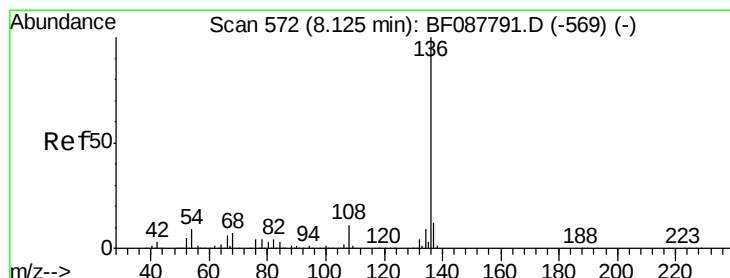
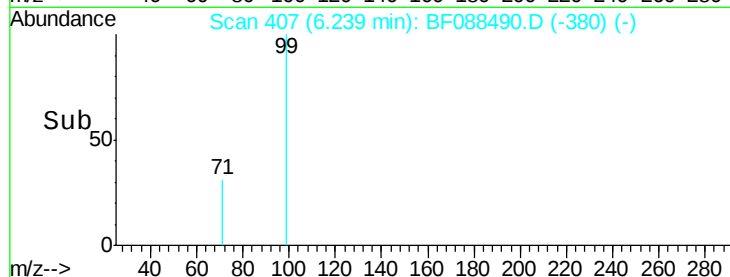
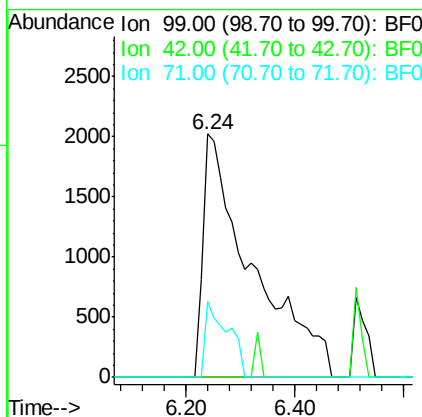
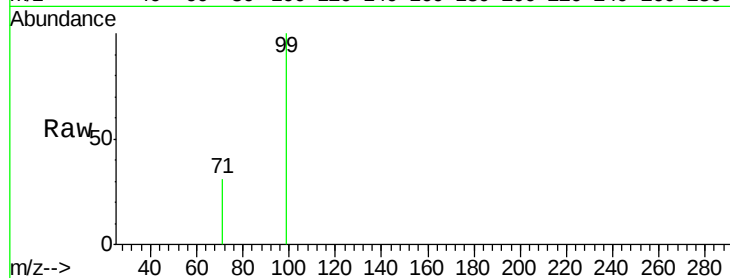
ClientSampleId :

SUBSURFACEDUPDL

Tot Ion:	99	Resp:	12636
Ion Ratio	Lower	Upper	
99	100		
42	0.0	12.2	18.2#
71	31.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

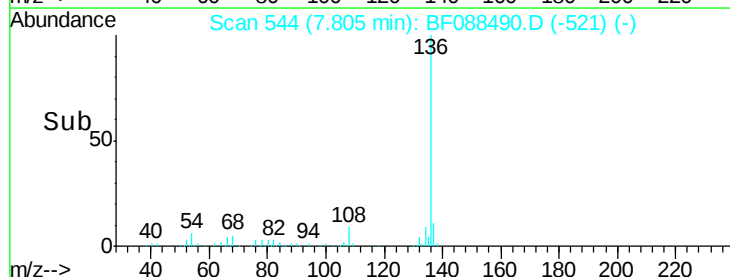
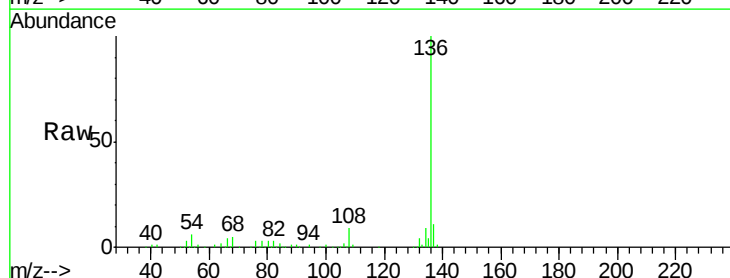
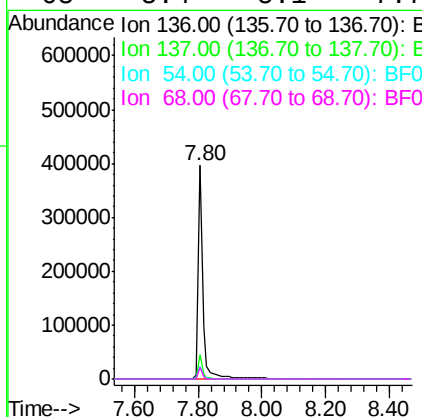
RT: 7.80 min Scan# 544

Delta R.T. -0.03 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Tgt Ion:	136	Resp:	411749
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	6.2	6.6	10.0#
68	5.4	5.1	7.7





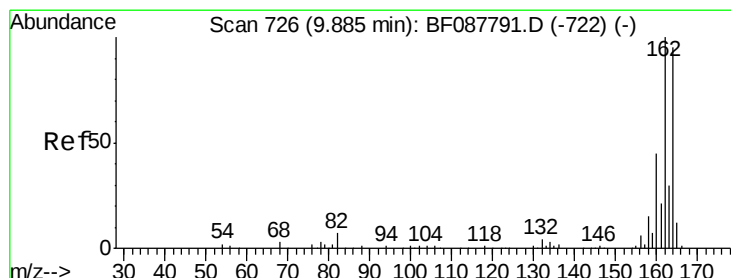
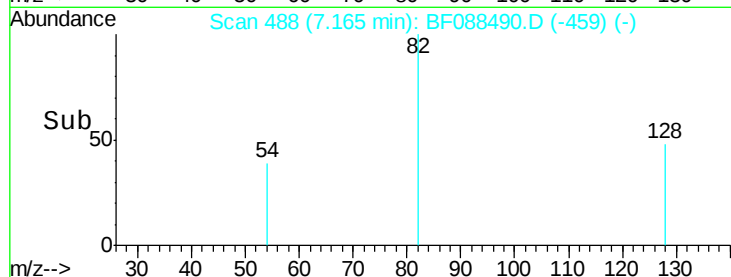
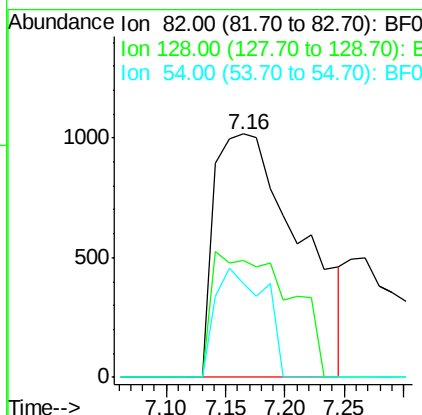
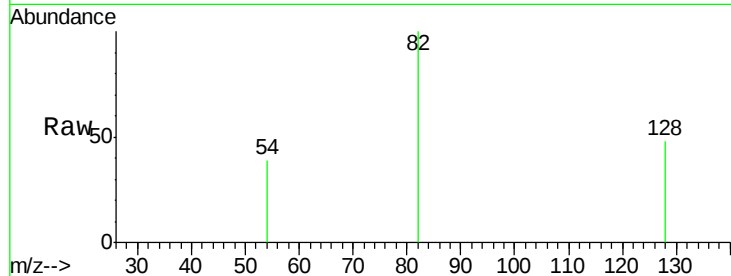
#23
 Nitrobenzene-d5
 Concen: 0.72 ng
 RT: 7.16 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: BF088490.D
 Acq: 28 Jun 2016 20:36

Instrument :
 BNA_F
 ClientSampleId :
 SUBSURFACEDUPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	35.9	53.9
54	38.6	40.9	61.3

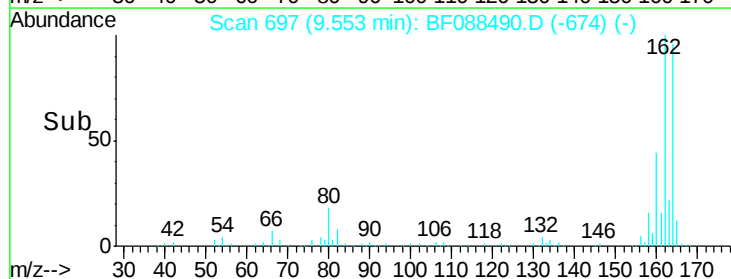
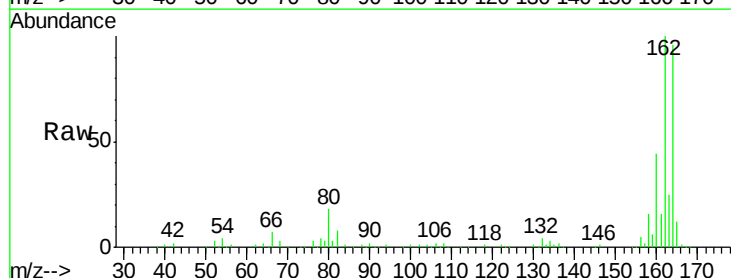
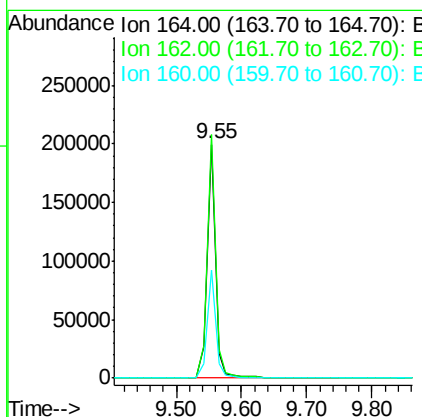
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF088490.D
 Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.4	128.2
160	45.9	39.5	59.3





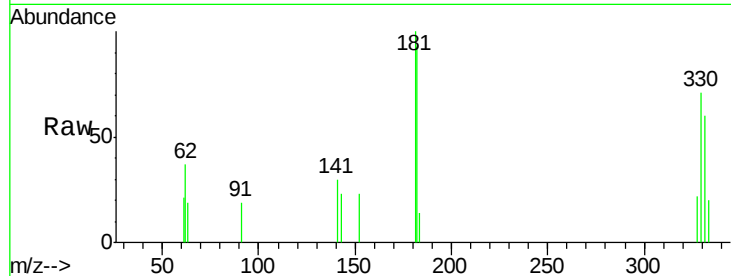
#41
 2,4,6-Tribromophenol
 Concen: 1.15 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF088490.D
 Acq: 28 Jun 2016 20:36

Instrument :
 BNA_F
 ClientSampleId :
 SUBSURFACEDUPDL

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	86.3	0.0	0.0#
141	31.7	0.0	0.0#

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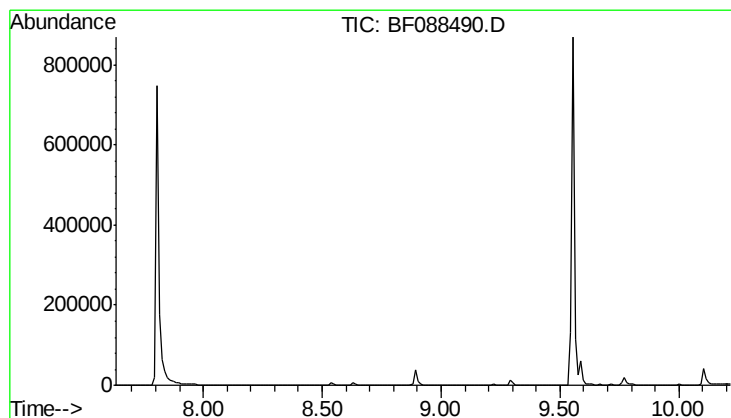
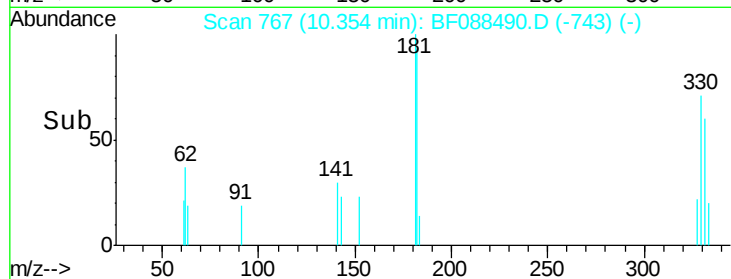
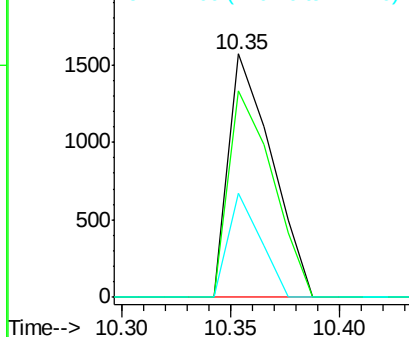


Abundance

Ion 329.80 (329.50 to 330.50): E

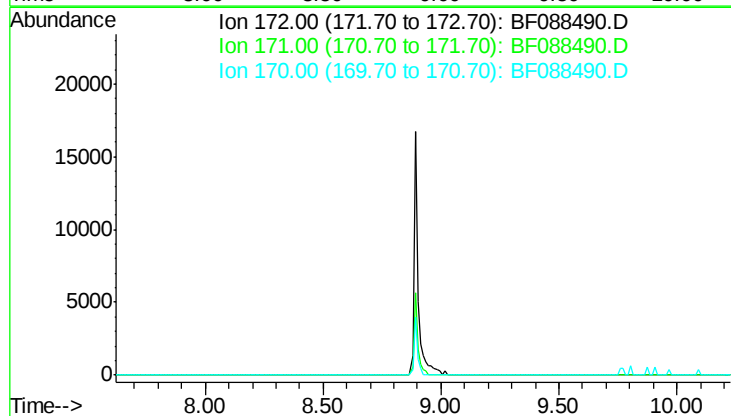
Ion 331.80 (331.50 to 332.50): E

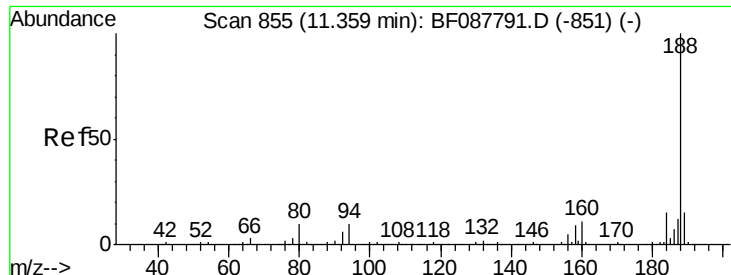
Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 8.92 min
 Lab File: BF088490.D
 Acq: 28 Jun 2016 20:36

Tgt Ion	Exp Ratio
172	100
171	35.8
170	24.0





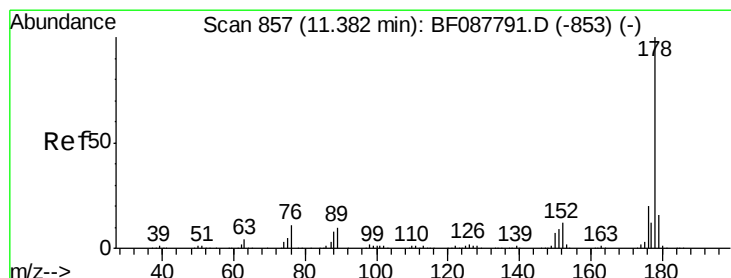
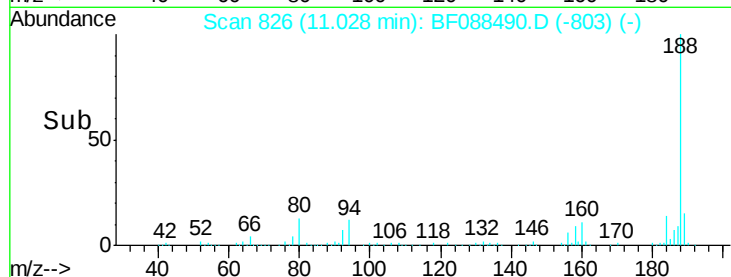
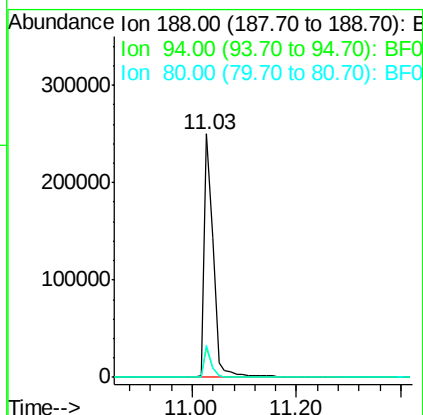
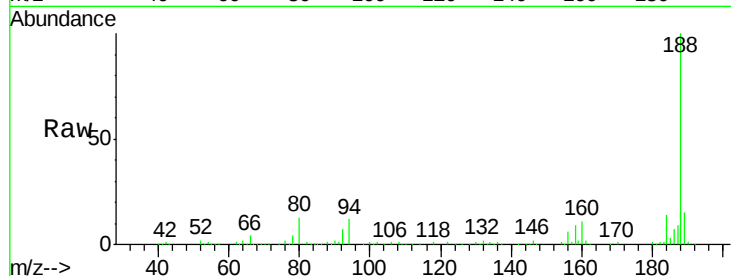
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Instrument :
BNA_F
ClientSampleId :
SUBSURFACEDUPDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	304555		
94	12.3		9.0	13.6
80	13.1		10.0	15.0

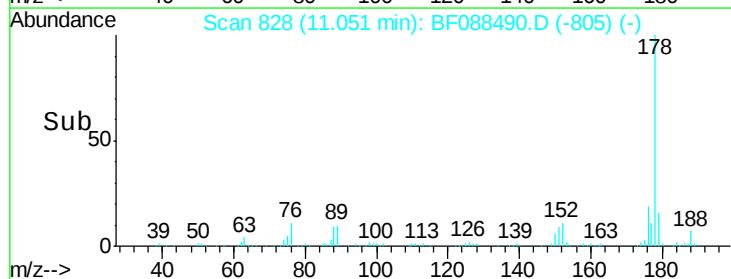
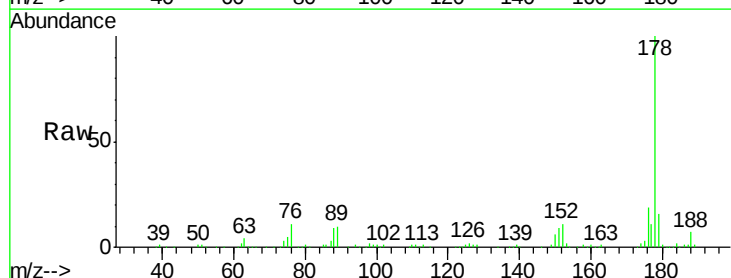
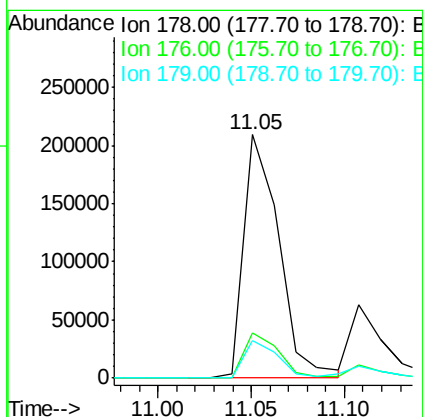
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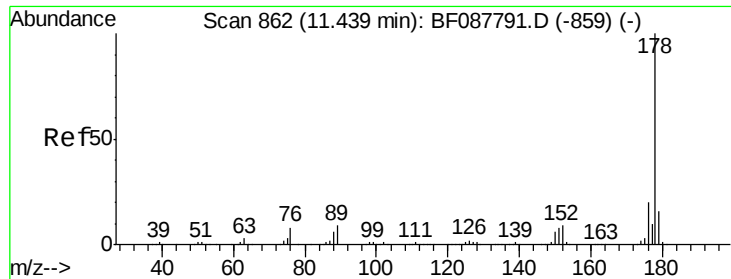
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#70
Phenanthrene
Concen: 17.20 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	274954		
176	18.8		15.8	23.6
179	15.5		13.0	19.4





#71

Anthracene

Concen: 5.49 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.03 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Instrument :

BNA_F

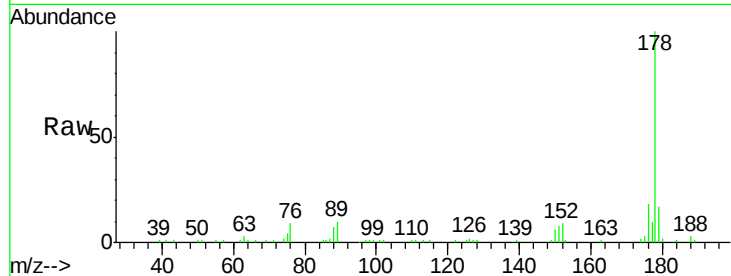
ClientSampleId :

SUBSURFACEDUPDL

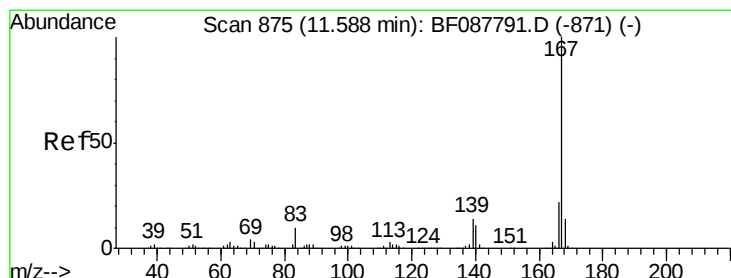
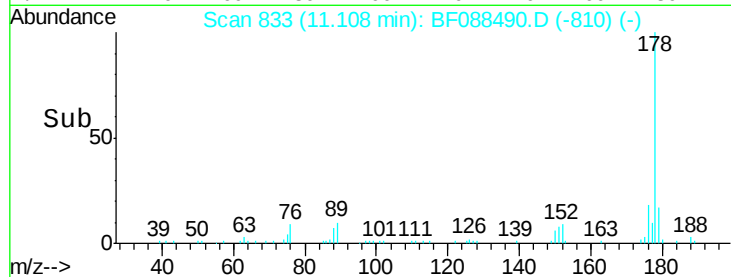
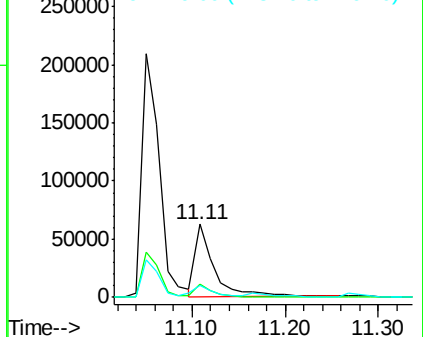
Tot Ion:	178	Resp:	88483
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.6	23.4
179	16.9	12.8	19.2

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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



#72

Carbazole

Concen: 2.65 ng

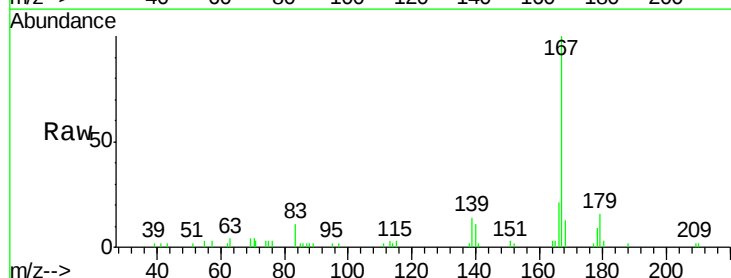
RT: 11.28 min Scan# 848

Delta R.T. -0.02 min

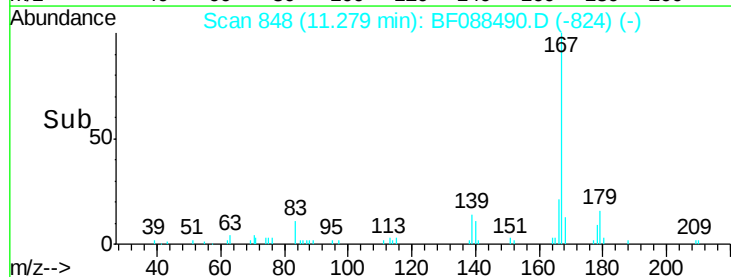
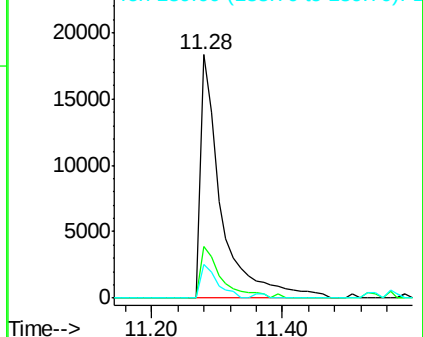
Lab File: BF088490.D

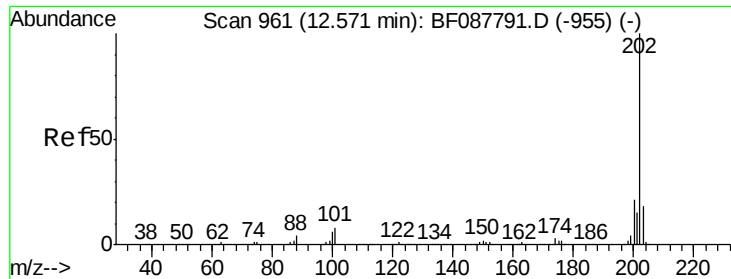
Acq: 28 Jun 2016 20:36

Tgt Ion:	167	Resp:	40036
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.8	26.6
139	14.0	11.2	16.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 34.14 ng

RT: 12.24 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Instrument :

BNA_F

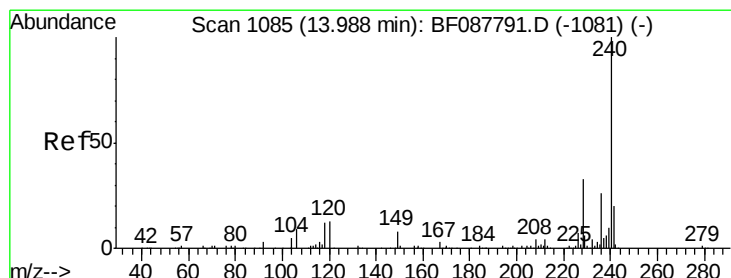
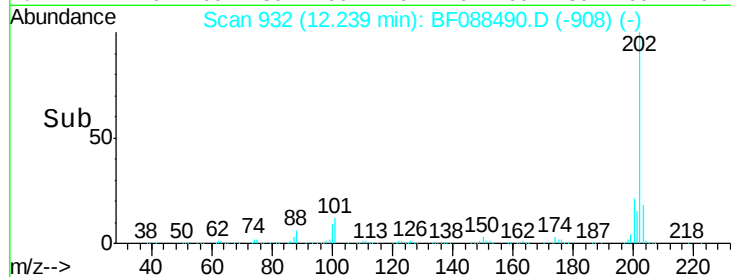
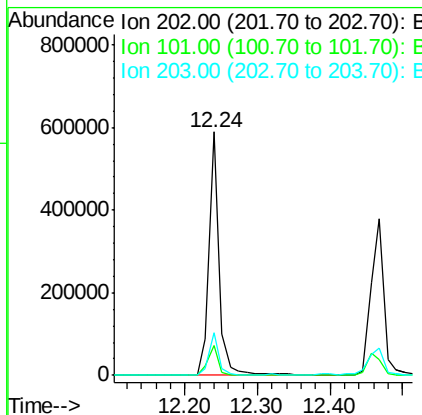
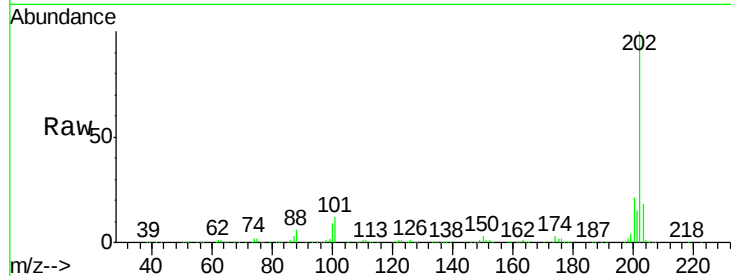
ClientSampleId :

SUBSURFACEDUPDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

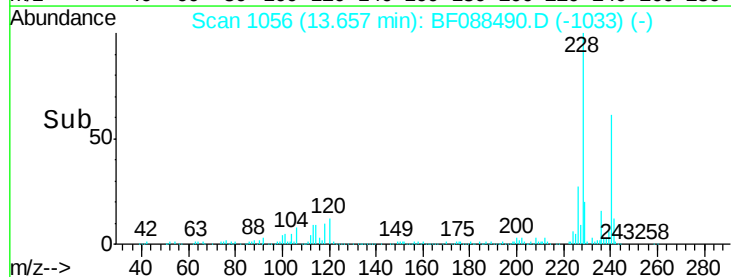
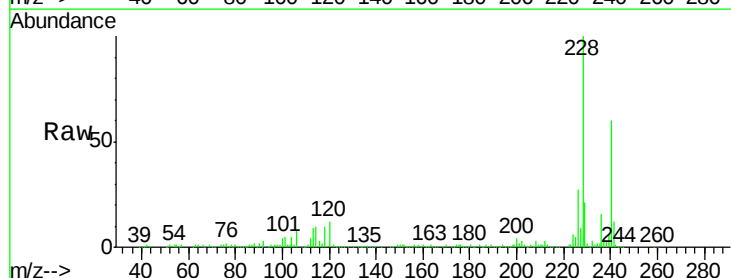
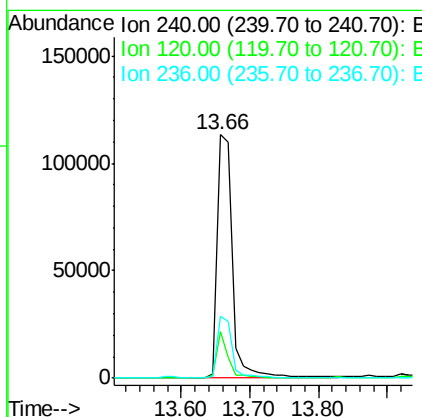
RT: 13.66 min Scan# 1056

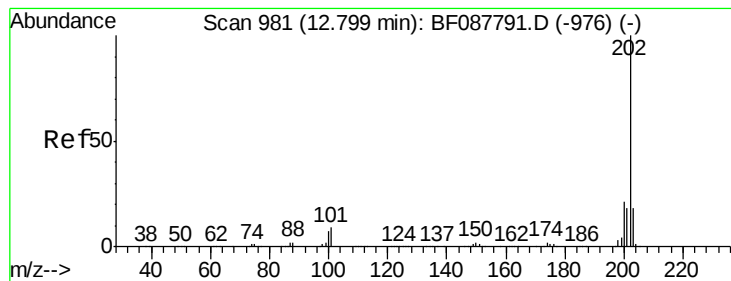
Delta R.T. -0.03 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	19.2	6.8	10.2#
236	25.6	20.2	30.2





#77

Pvrene

Concen: 35.06 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Instrument :

BNA_F

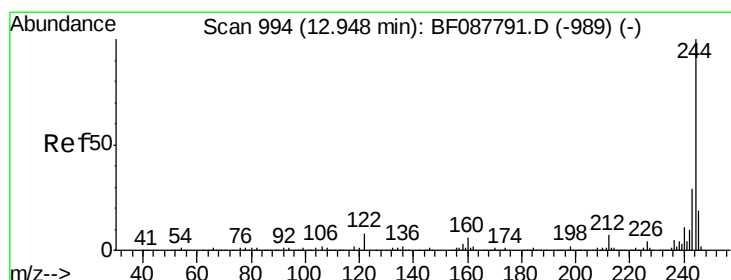
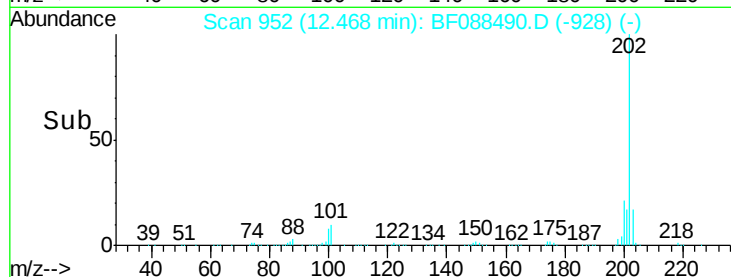
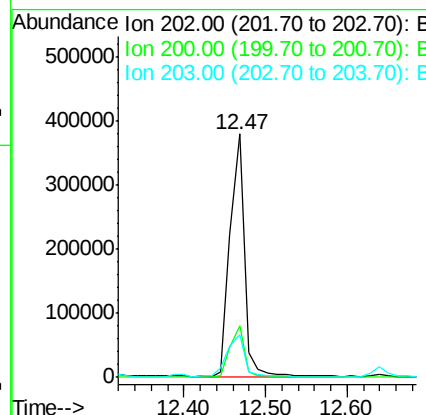
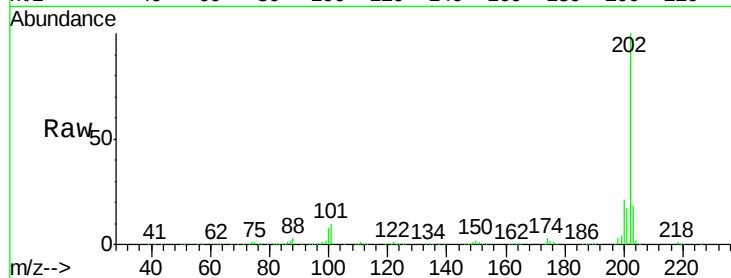
ClientSampleId :

SUBSURFACEDUPDL

Tot Ion:	202	Resp:	465923
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.7	14.5	21.7

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#78

Terphenyl-d14

Concen: 1.96 ng

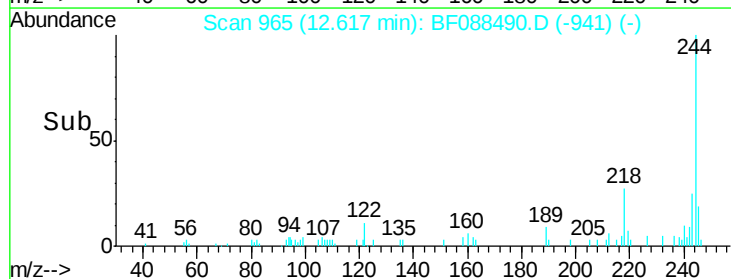
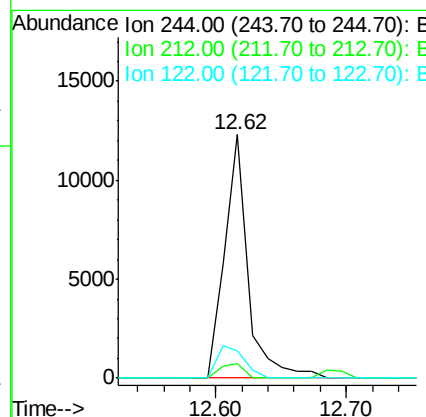
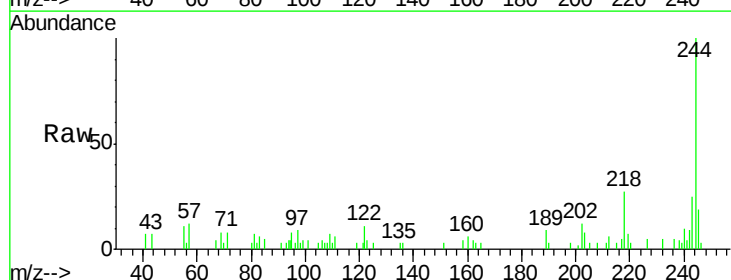
RT: 12.62 min Scan# 965

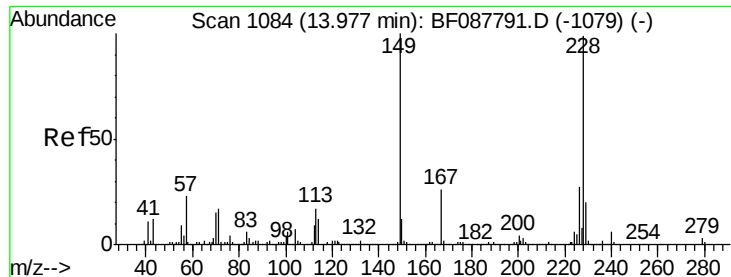
Delta R.T. -0.02 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Tgt Ion:	244	Resp:	15388
Ion Ratio	Lower	Upper	
244	100		
212	6.0	6.0	9.0
122	11.3	11.2	16.8





#80

Benzo(a)anthracene

Concen: 25.44 ng m

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Instrument :

BNA_F

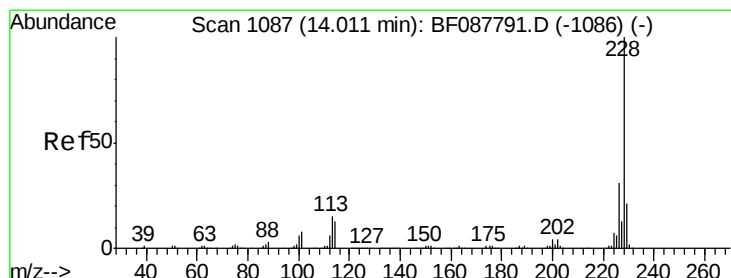
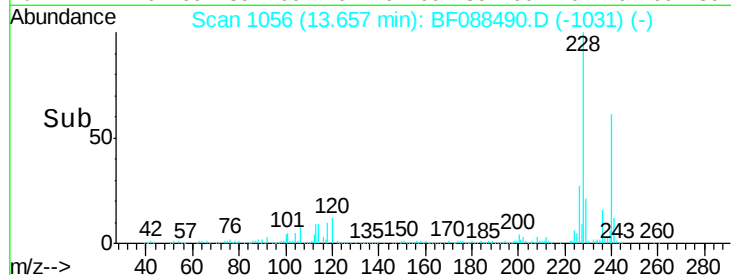
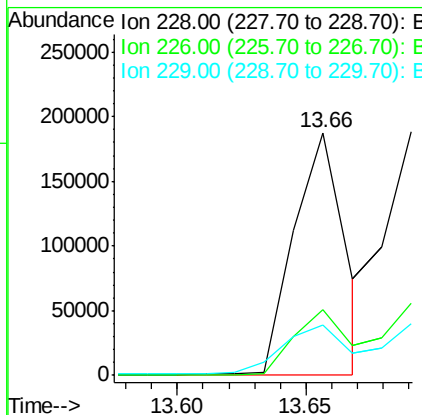
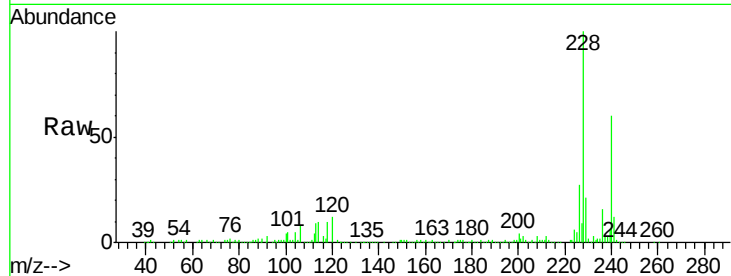
ClientSampleId :

SUBSURFACEDUPDL

Tot Ion:	228	Resp:	259586
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.3	33.5
229	20.8	16.0	24.0

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#82

Chrysene

Concen: 25.57 ng m

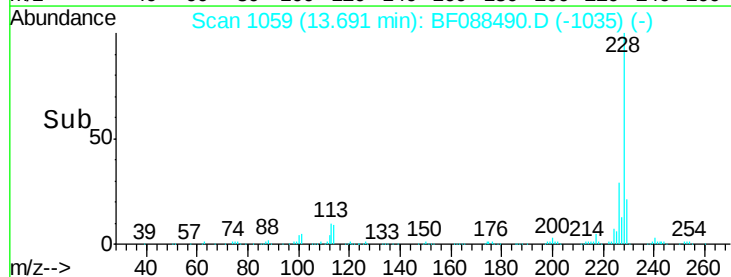
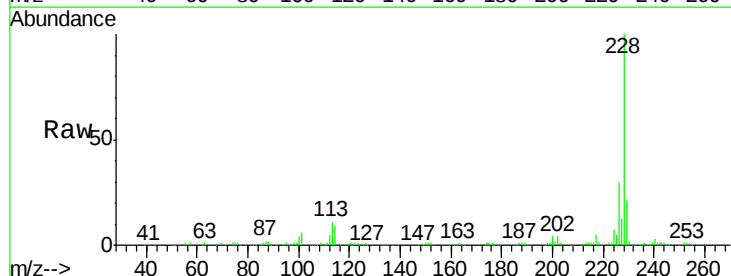
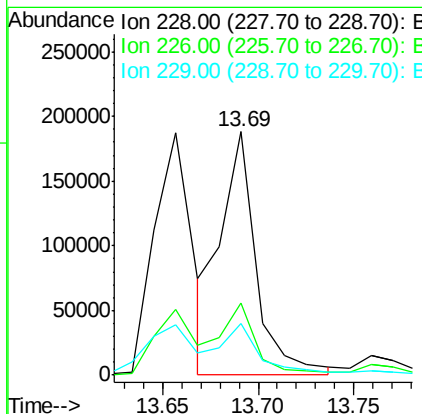
RT: 13.69 min Scan# 1059

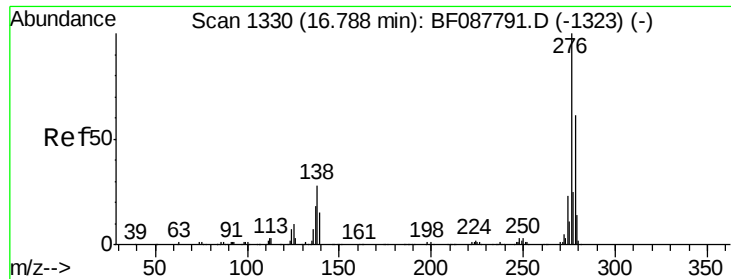
Delta R.T. -0.02 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Tgt Ion:	228	Resp:	245504
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.2
229	21.3	16.3	24.5





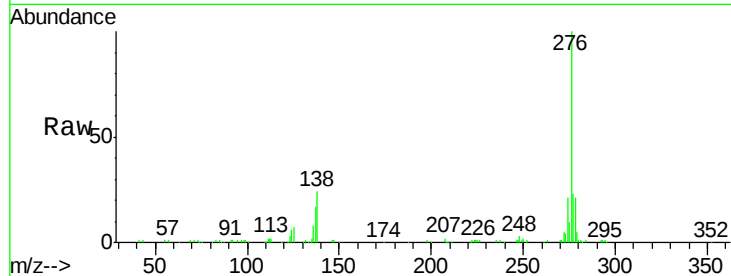
#85
Indeno(1,2,3-cd)pyrene
Concen: 22.25 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Instrument :
BNA_F
ClientSampleId :
SUBSURFACEDUPDL

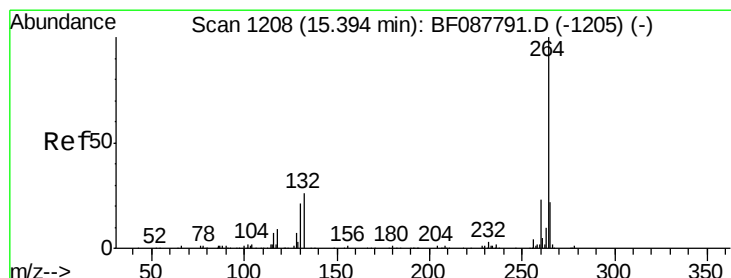
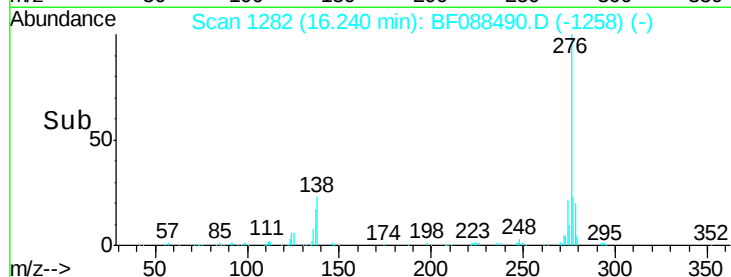
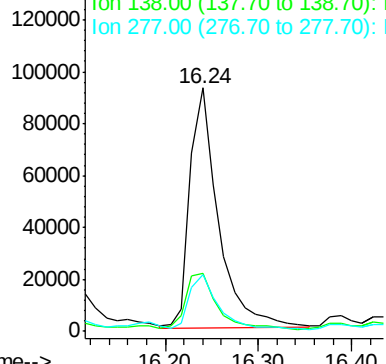
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.1	0.0	0.0#
277	22.6	0.0	0.0#

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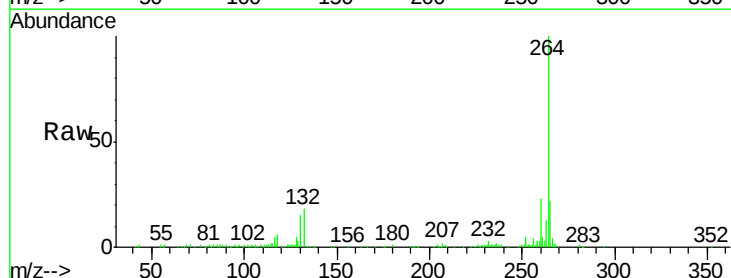


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

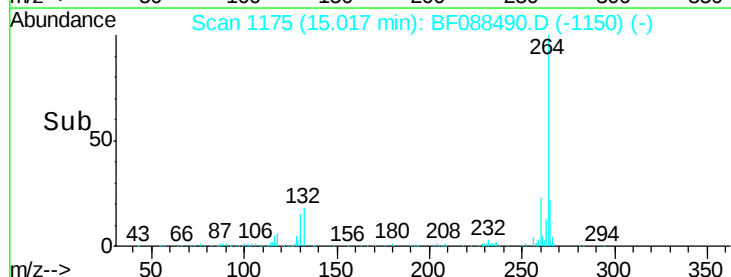
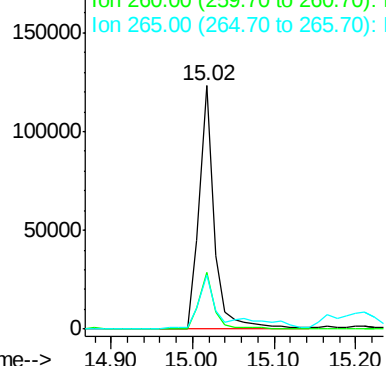


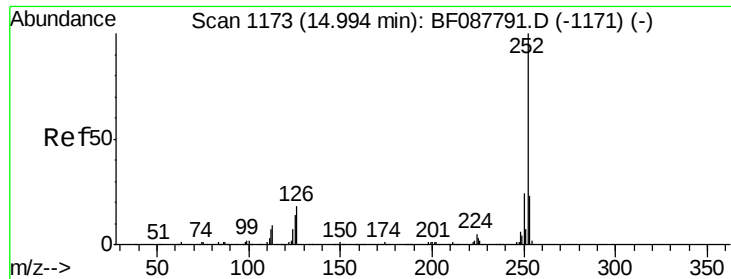
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.5	16.9	25.3



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





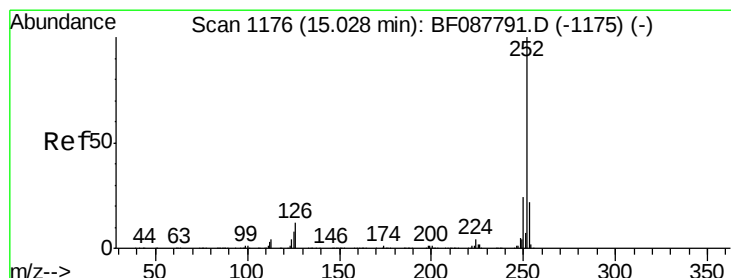
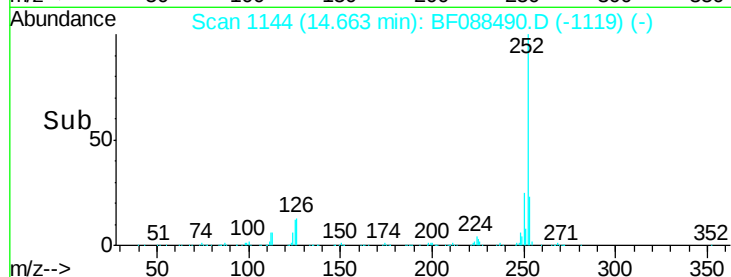
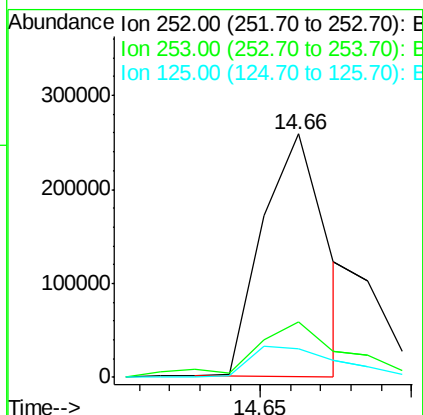
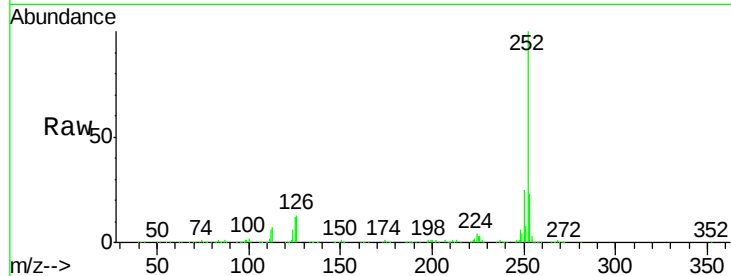
#87
Benzo(b)fluoranthene
Concen: 34.04 ng m
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Instrument :
BNA_F
ClientSampleId :
SUBSURFACEDUPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	11.8	7.1	10.7

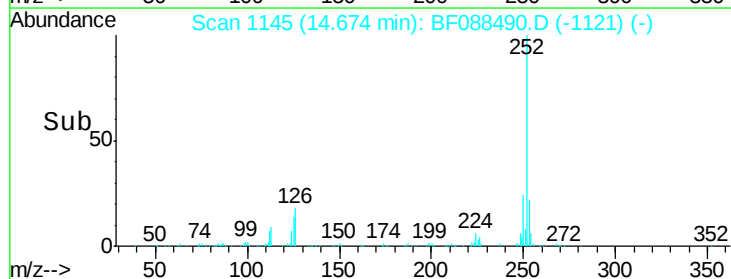
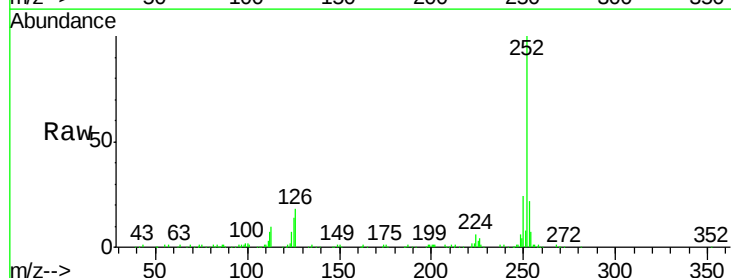
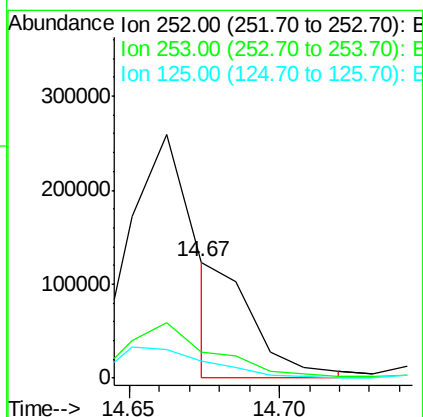
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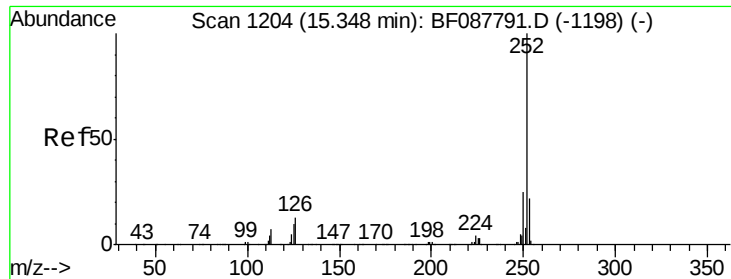
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#88
Benzo(k)fluoranthene
Concen: 12.22 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	14.5	11.2	16.8





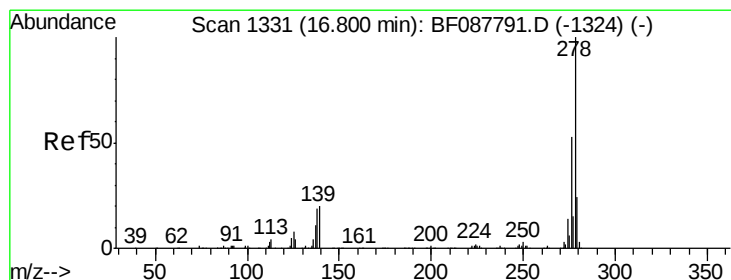
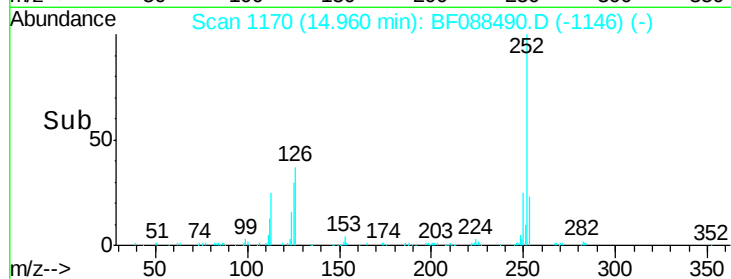
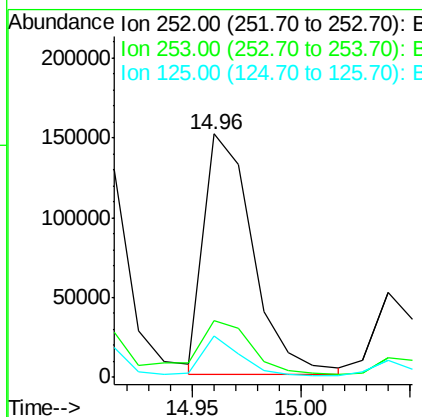
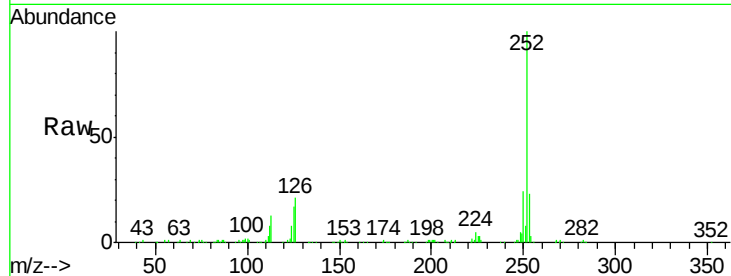
#89
Benzo(a)pyrene
Concen: 26.29 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Instrument :
BNA_F
ClientSampleId :
SUBSURFACEDUPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	16.8	12.5	18.7

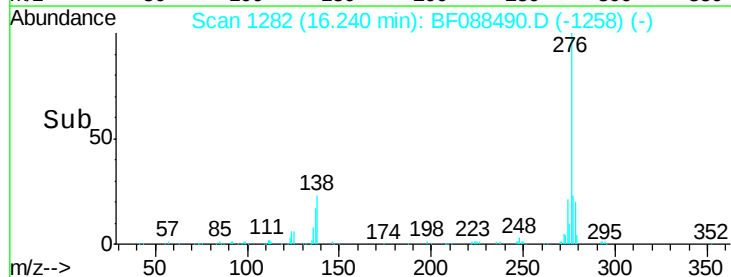
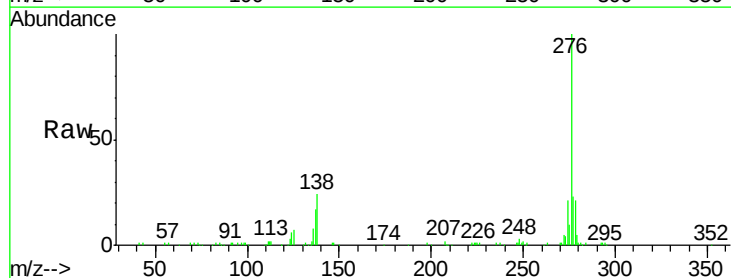
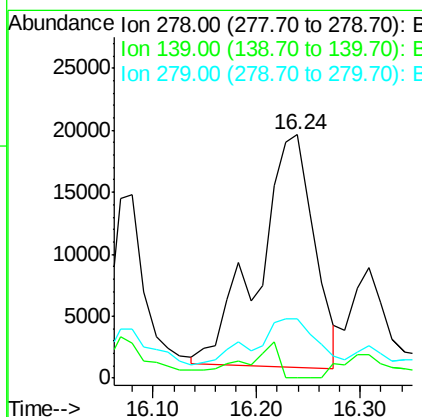
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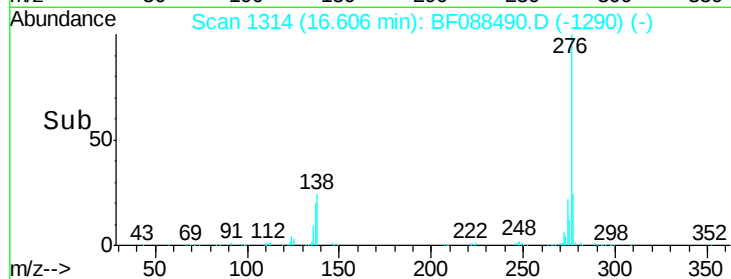
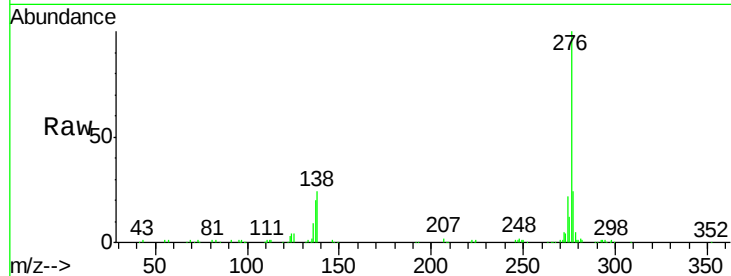
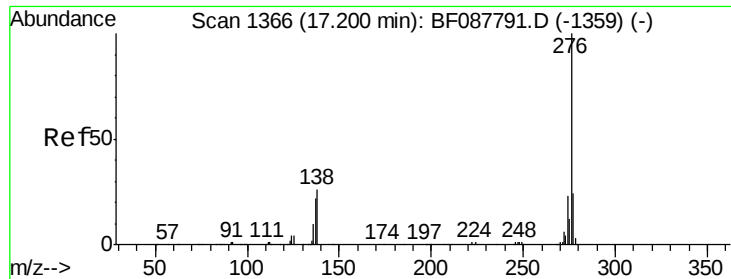
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#90
Dibenzo(a,h)anthracene
Concen: 8.40 ng m
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088490.D
Acq: 28 Jun 2016 20:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	24.3	19.4	29.2





#91

Benzo(a,h,i)perylene

Concen: 23.07 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF088490.D

Acq: 28 Jun 2016 20:36

Instrument :

BNA_F

ClientSampleId :

SUBSURFACEDUPDL

Tot Ion: 276 Resp: 198538

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 24.4 21.4 32.2

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