

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
 Data File : BF086280.D
 Acq On : 18 Apr 2016 14:23
 Operator : UM/SJ
 Sample : H2099-10DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRAINDL

Manual Integrations
 APPROVED

Sohil
 4/19/2016 6:21:52 PM

Quant Time: Apr 19 13:57:36 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	319667	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	556925	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	411249	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	786513	20.00	ng	0.01
75) Chrysene-d12	14.04	240	586445	20.00	ng	-0.01
86) Perylene-d12	15.48	264	619876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	574894	29.47	ng	-0.01
7) Phenol-d6	6.50	99	751129	30.78	ng	-0.02
23) Nitrobenzene-d5	7.45	82	522050	54.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	99341	30.08	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	570550	25.60	ng	-0.01
78) Terphenyl-d14	13.00	244	460873	19.76	ng	0.00
Target Compounds						
31) Naphthalene	8.20	128	171763m	6.91	ng	Qvalue
37) 2-Methylnaphthalene	8.90	142	683648	42.51	ng	97
70) Phenanthrene	11.45	178	451313	12.01	ng	# 96
74) Fluoranthene	12.62	202	403636	7.84	ng	99
77) Pyrene	12.85	202	486127	10.80	ng	98
80) Benzo(a)anthracene	14.03	228	198701	6.17	ng	93
82) Chrysene	14.07	228	147917	4.31	ng	95
85) Indeno(1,2,3-cd)pyrene	16.88	276	83711	2.97	ng	98
87) Benzo(b)fluoranthene	15.06	252	202769m	5.30	ng	
89) Benzo(a)pyrene	15.41	252	137487	4.15	ng	# 95
91) Benzo(a,h,i)perylene	17.30	276	90909	2.92	ng	# 94

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

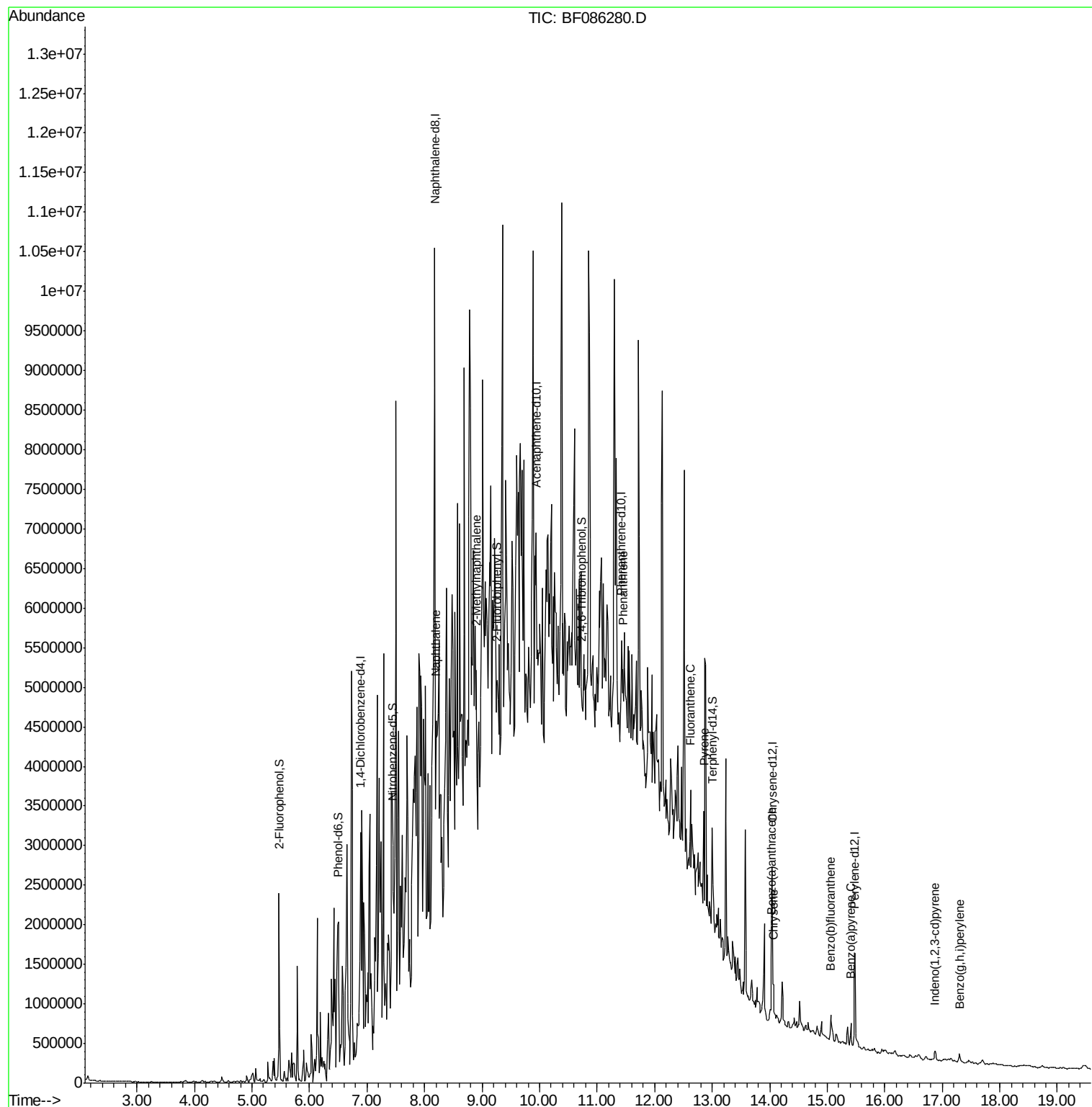
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086280.D
Acq On : 18 Apr 2016 14:23
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Sample : H2099-10DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

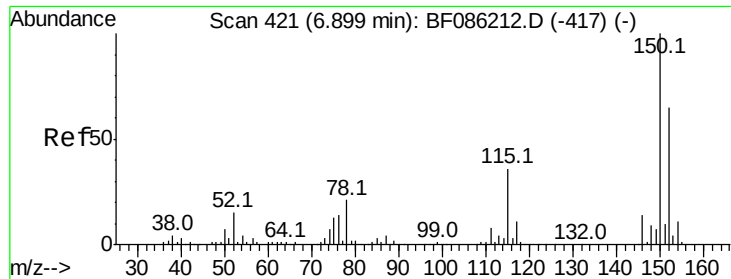
Instrument :
BNA_F
ClientSampleId :
DRAINDL

Manual Integrations
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Quant Time: Apr 19 13:57:36 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

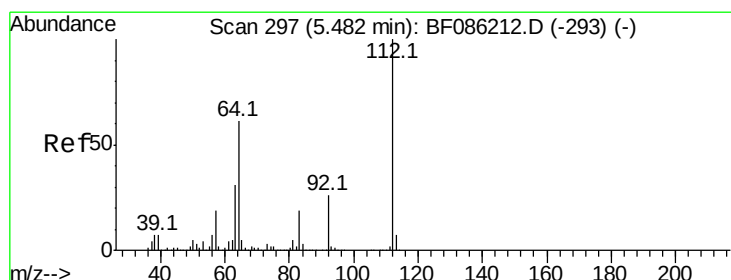
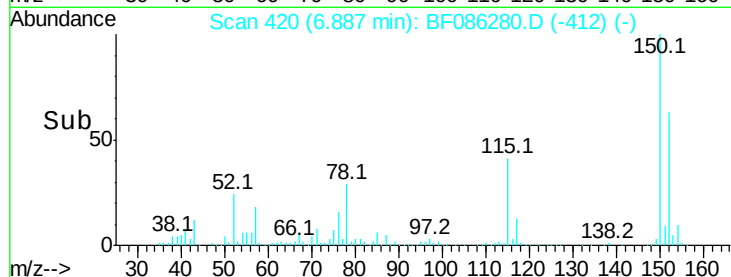
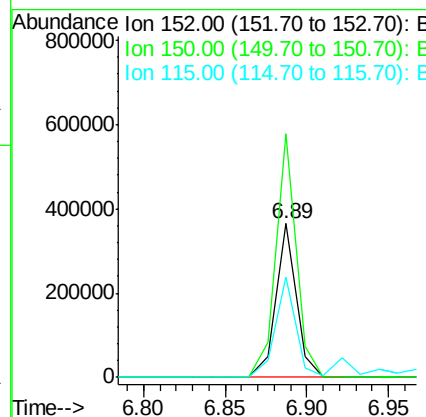
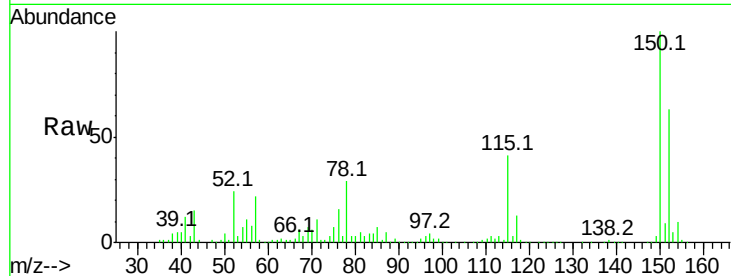
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Instrument :
BNA_F
ClientSampleId :
DRAINDL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	319667		
150	158.6	124.1	186.1	
115	65.4	43.9	65.9	

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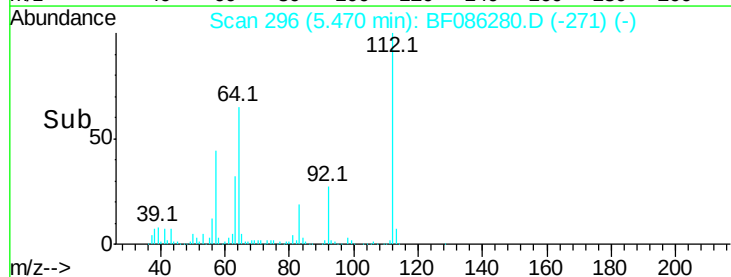
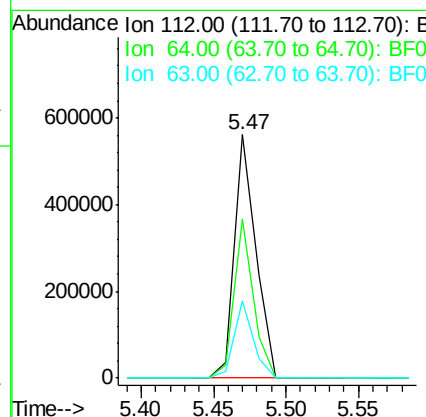
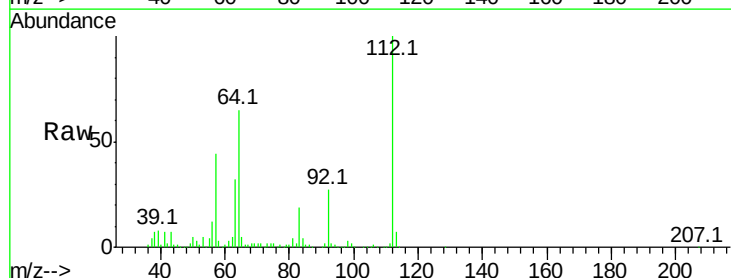
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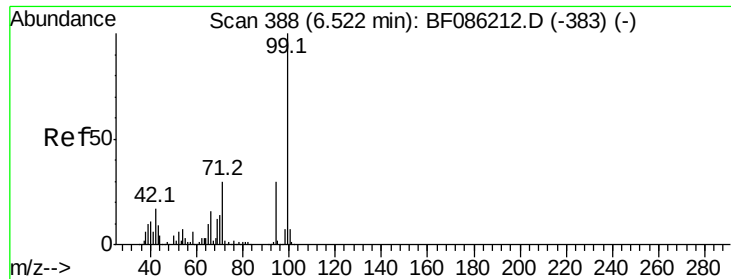


#5

2-Fluorophenol
Concen: 29.47 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	574894		
64	65.2	48.1	72.1	
63	31.7	25.5	38.3	





#7

Phenol-d6

Concen: 30.78 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Instrument :

BNA_F

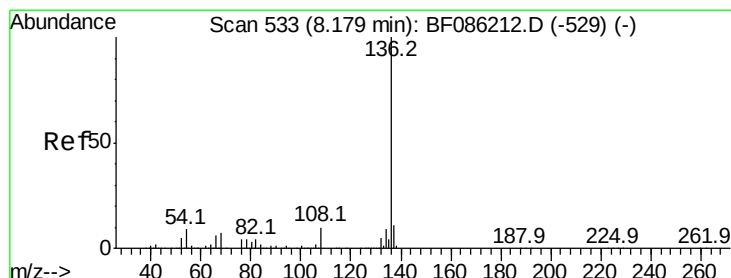
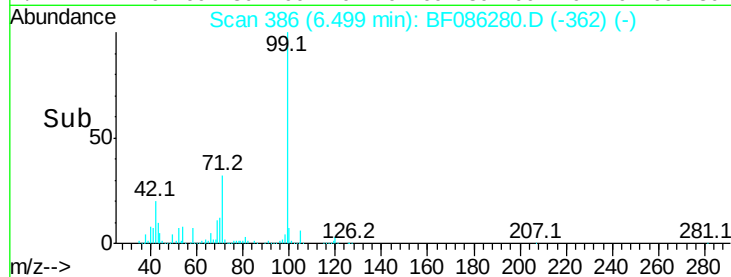
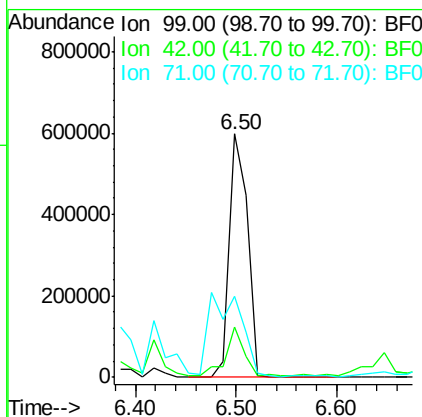
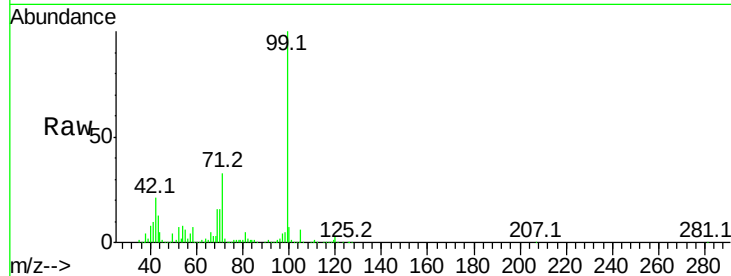
ClientSampleId :

DRAINDL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	751129		
42	20.5	15.4	23.2	
71	33.2	25.6	38.4	

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#21

Naphthalene-d8

Concen: 20.00 ng

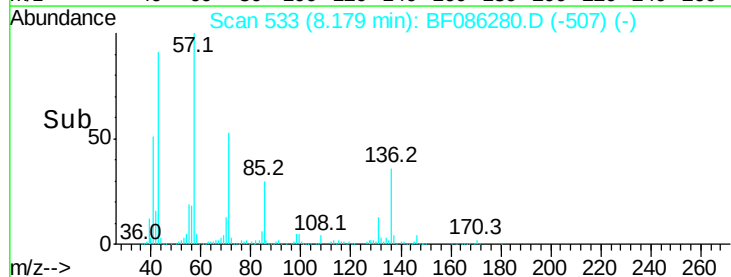
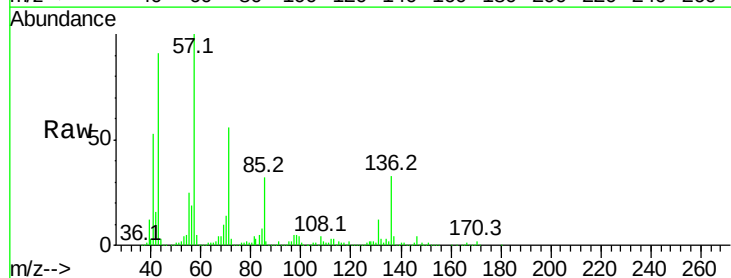
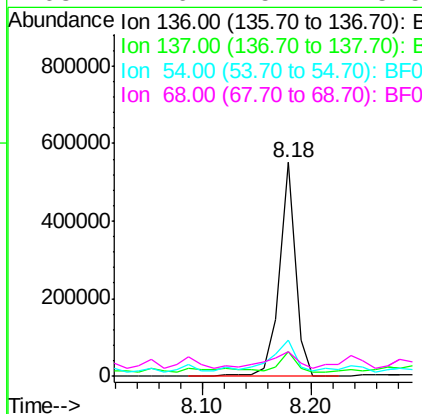
RT: 8.18 min Scan# 533

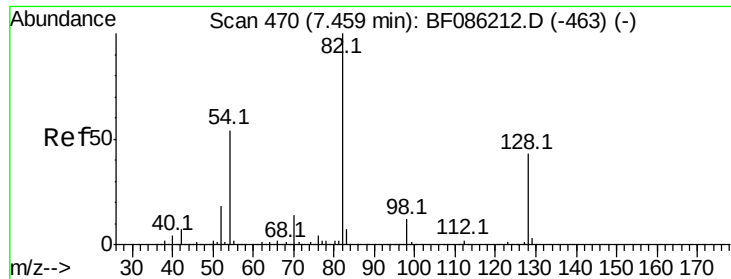
Delta R.T. -0.00 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	556925		
137	11.7	9.1	13.7	
54	16.8	7.3	10.9#	
68	11.6	5.7	8.5#	





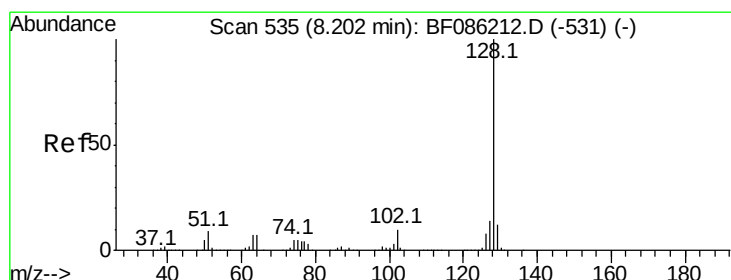
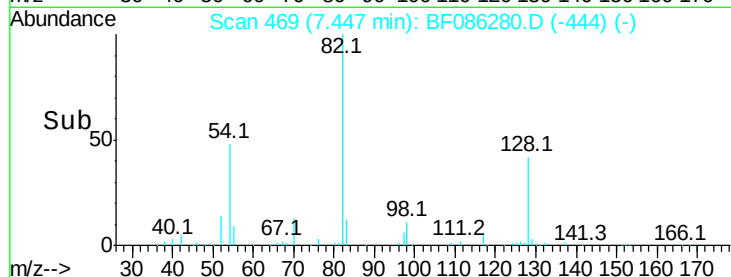
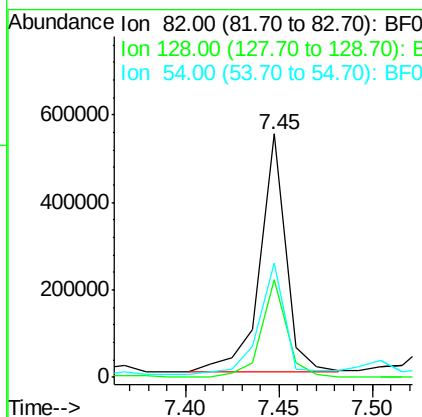
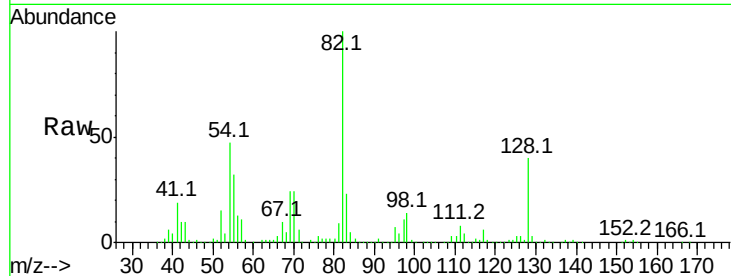
#23
 Nitrobenzene-d5
 Concen: 54.07 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086280.D
 Acq: 18 Apr 2016 14:23

Instrument :
 BNA_F
 ClientSampleId :
 DRAINDL

Tot Ion	82	Resp	522050
Ion Ratio	Lower	Upper	
82	100		
128	40.3	35.4	53.2
54	47.2	43.4	65.0

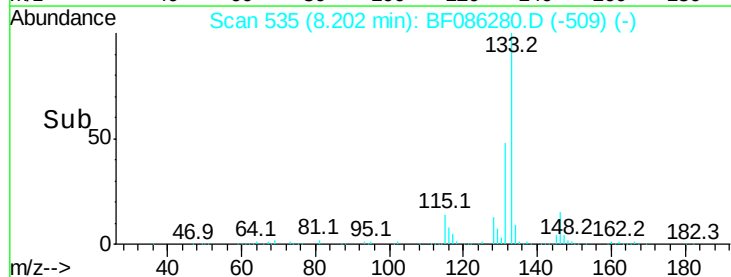
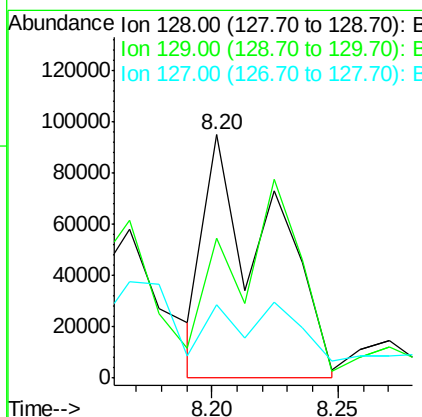
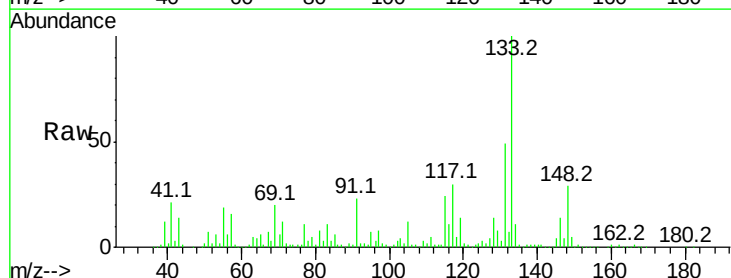
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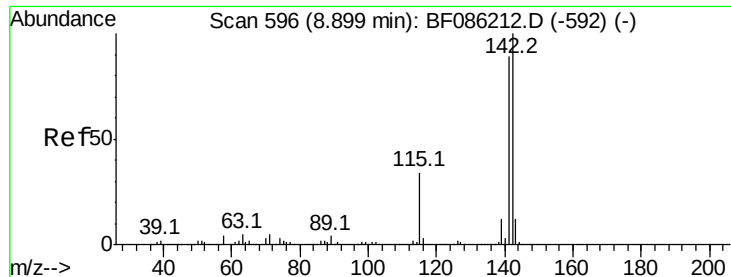
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#31
 Naphthalene
 Concen: 6.91 ng m
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF086280.D
 Acq: 18 Apr 2016 14:23

Tgt Ion	128	Resp	171763
Ion Ratio	Lower	Upper	
128	100		
129	57.2	9.6	14.4#
127	30.2	11.4	17.2#





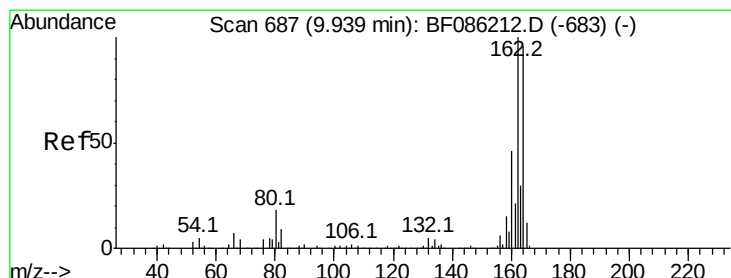
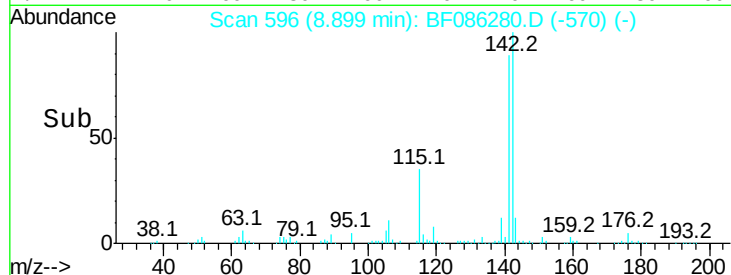
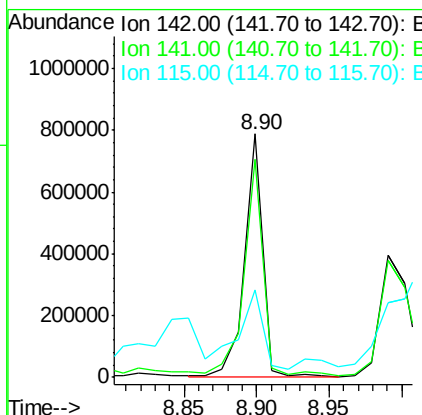
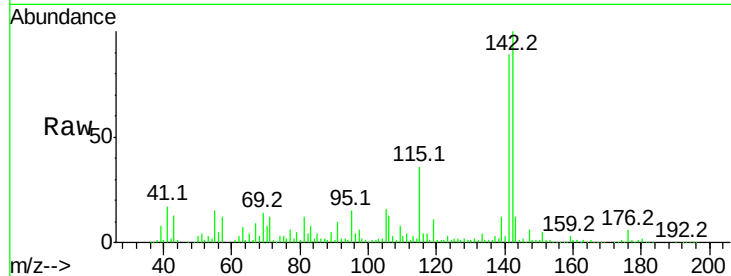
#37
2-Methylnaphthalene
Concen: 42.51 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Instrument :
BNA_F
ClientSampled :
DRAINDL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	683648		
141	89.3		71.1	106.7
115	36.1		25.1	37.7

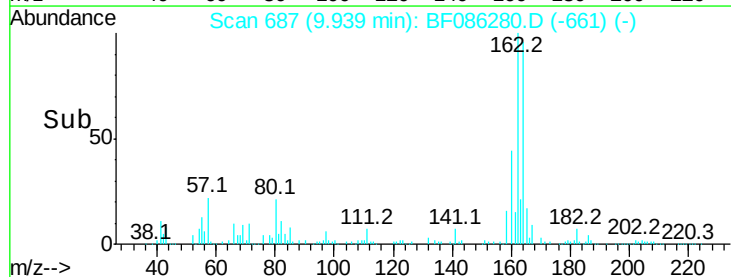
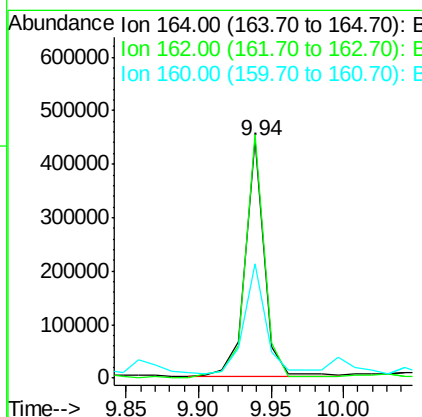
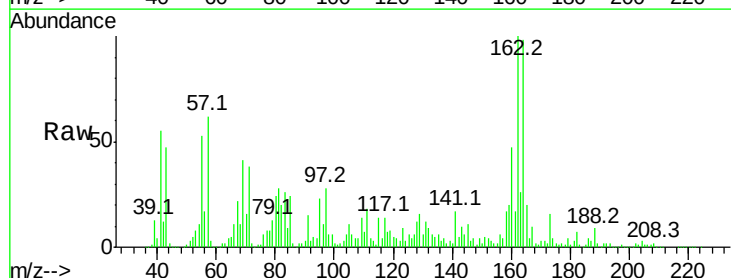
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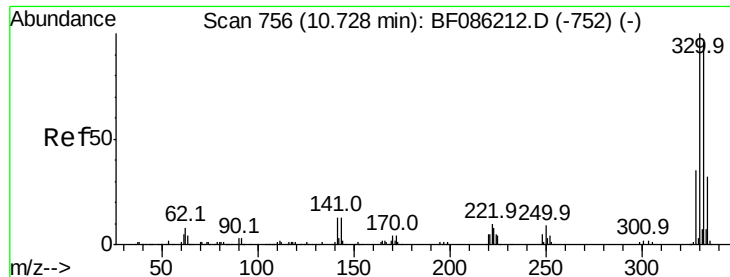
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	411249		
162	102.3		82.8	124.2
160	48.3		38.9	58.3





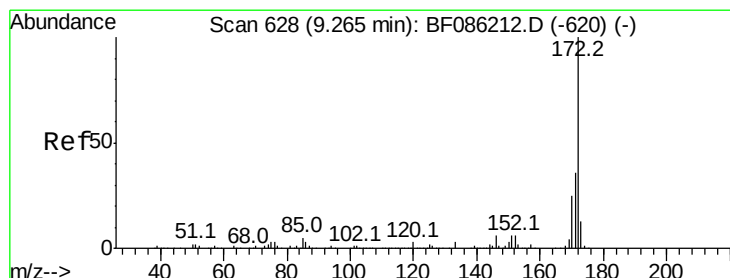
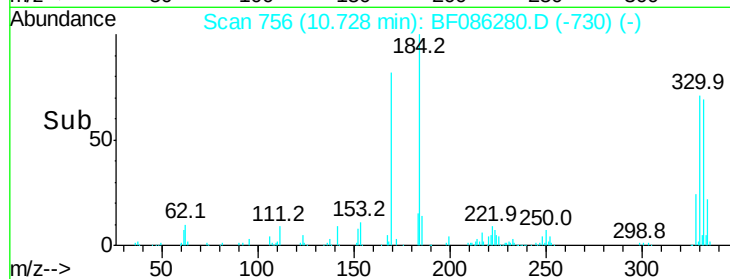
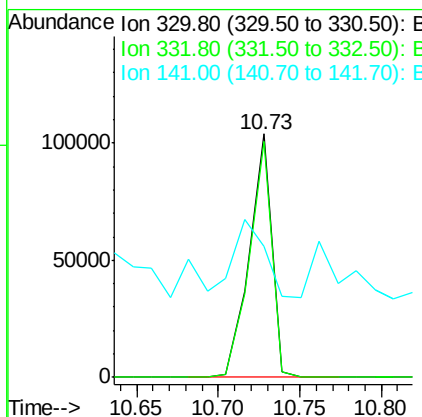
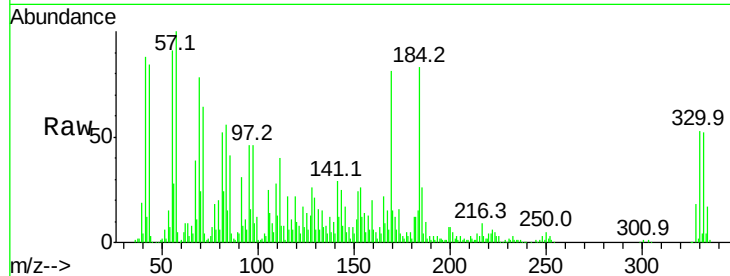
#41
 2,4,6-Tribromophenol
 Concen: 30.08 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF086280.D
 Acq: 18 Apr 2016 14:23

Instrument :
 BNA_F
 ClientSampleId :
 DRAINDL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	78.7	118.1	
141	57.2	28.6	42.8	

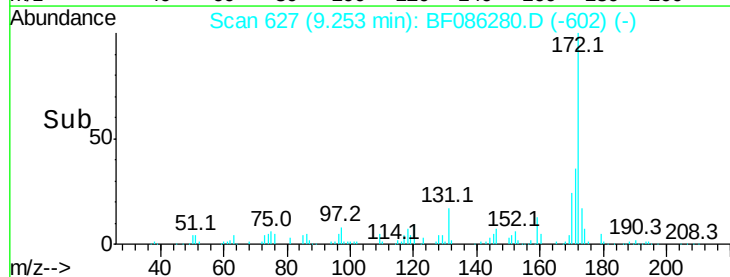
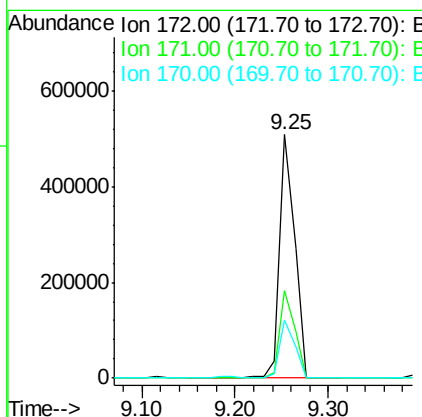
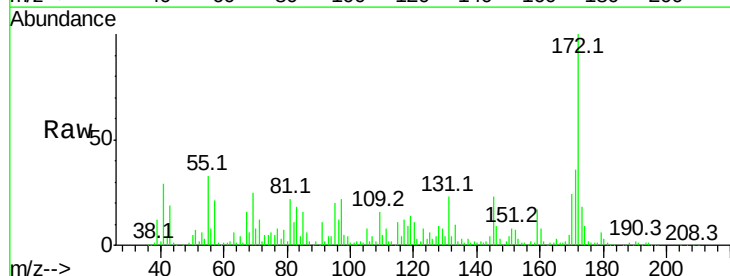
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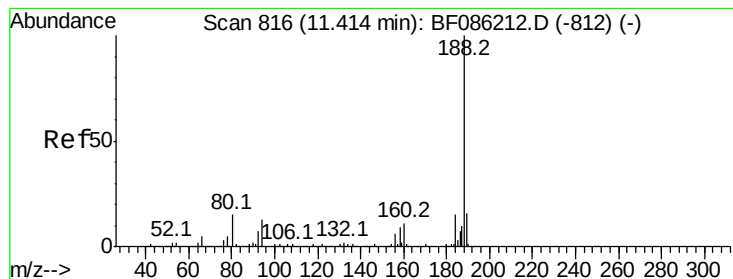
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#44
 2-Fluorobiphenyl
 Concen: 25.60 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086280.D
 Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.1	43.7	
170	23.9	19.9	29.9	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Instrument :

BNA_F

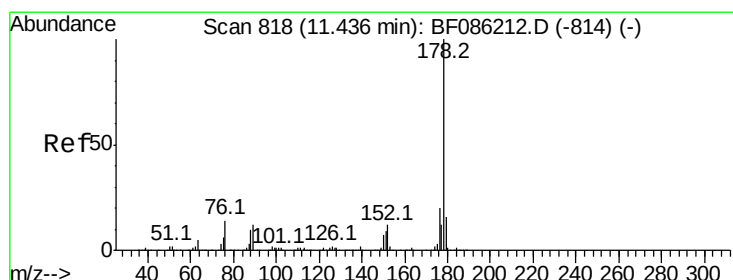
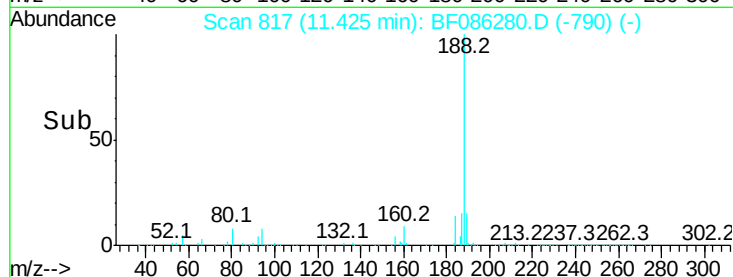
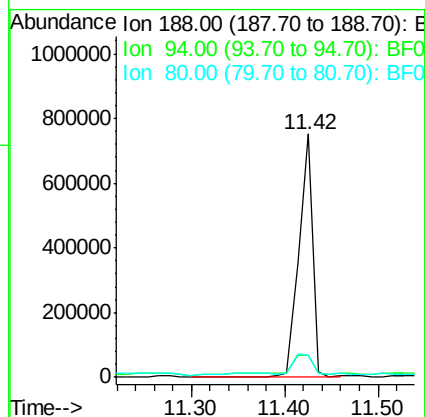
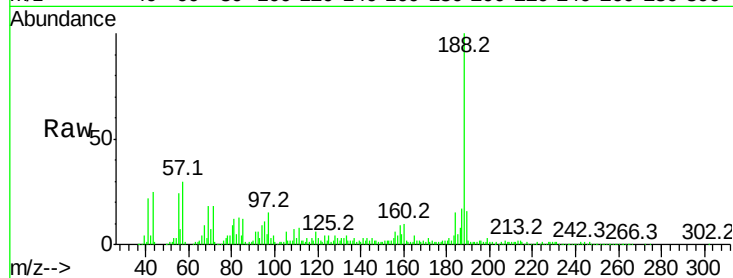
ClientSampled :

DRAINDL

Tot Ion:188	Resp: 786513
Ion Ratio	Lower Upper
188 100	
94 9.3	9.8 14.8#
80 9.3	10.5 15.7#

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#70

Phenanthrene

Concen: 12.01 ng

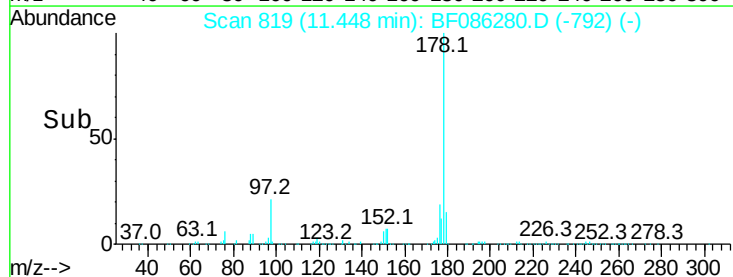
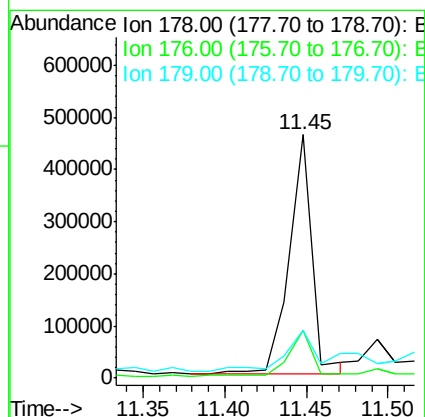
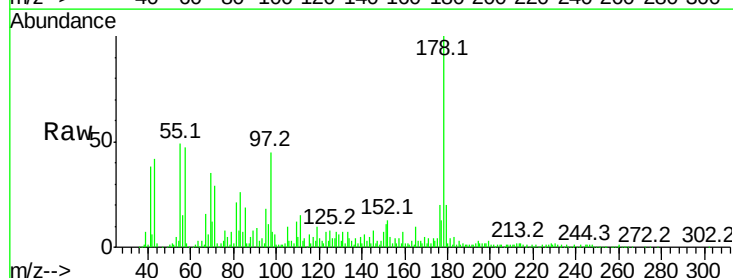
RT: 11.45 min Scan# 819

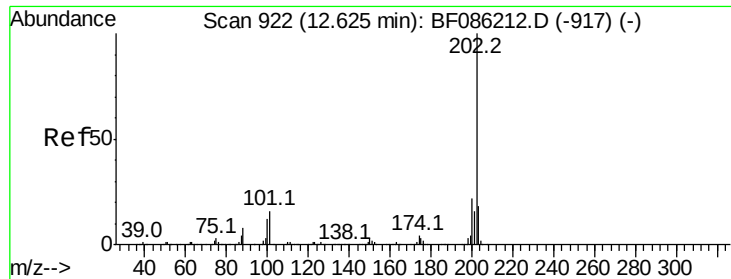
Delta R.T. 0.01 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Tgt Ion:178	Resp: 451313
Ion Ratio	Lower Upper
178 100	
176 19.8	16.3 24.5
179 19.6	13.0 19.6#





#74

Fluoranthene

Concen: 7.84 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Instrument :

BNA_F

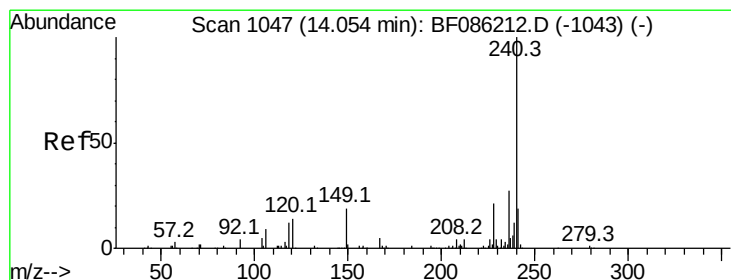
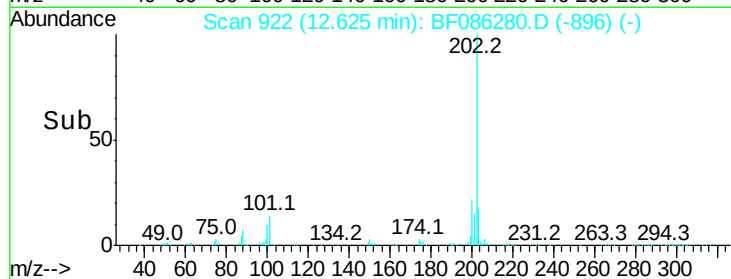
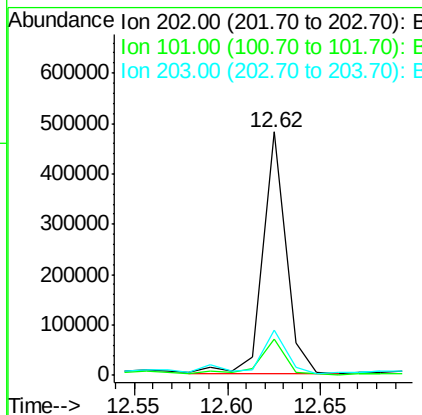
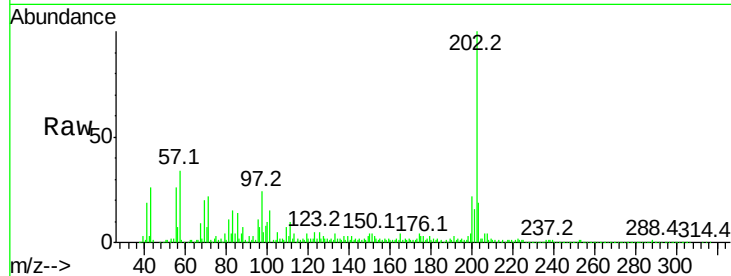
ClientSampleId :

DRAINDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	403636		
101	14.8	0.0	35.2	
203	18.7	0.0	38.2	

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#75

Chrysene-d12

Concen: 20.00 ng

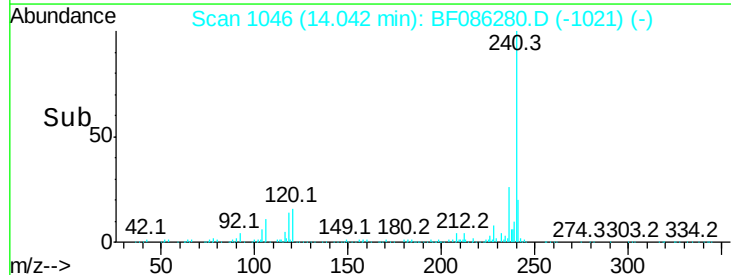
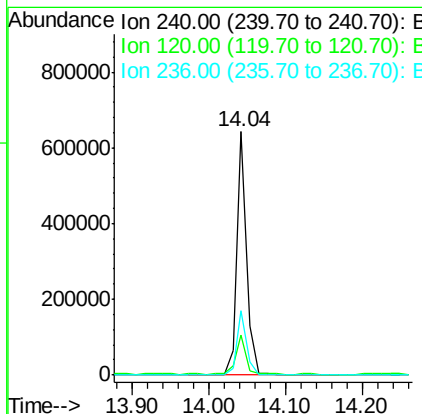
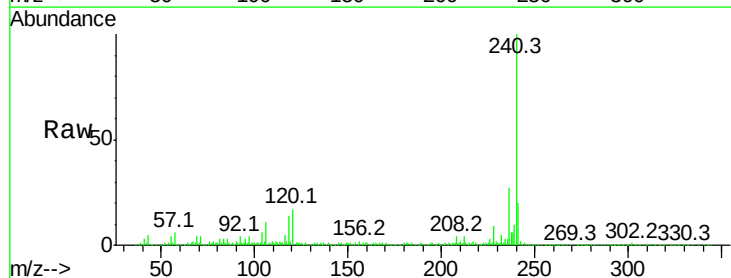
RT: 14.04 min Scan# 1046

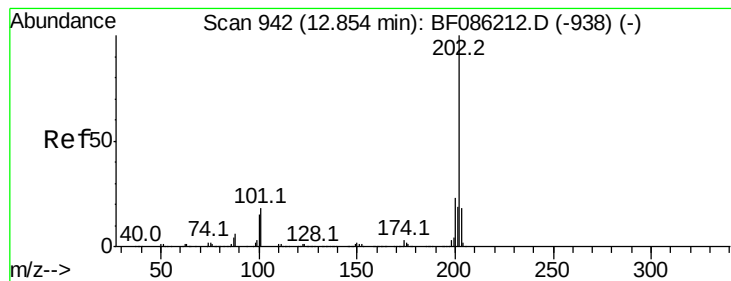
Delta R.T. -0.01 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	586445		
120	16.6	9.3	13.9#	
236	26.7	21.1	31.7	





#77

Pvrene

Concen: 10.80 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Instrument :

BNA_F

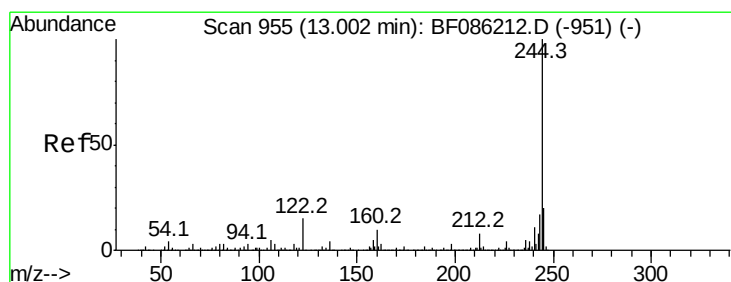
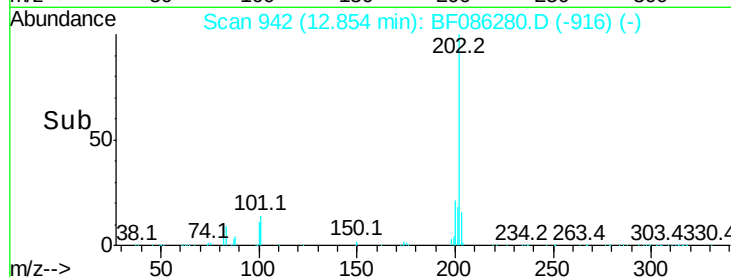
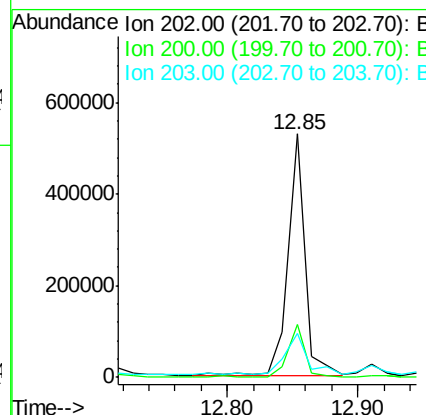
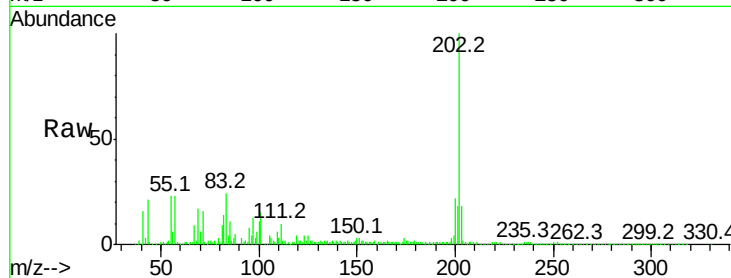
ClientSampleId :

DRAINDL

Tot Ion:	202	Resp:	486127
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.3	27.5
203	18.1	14.9	22.3

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#78

Terphenyl-d14

Concen: 19.76 ng

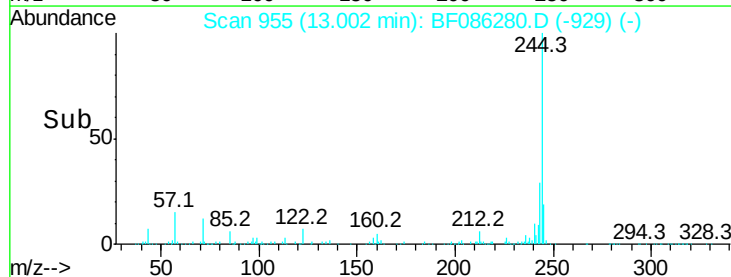
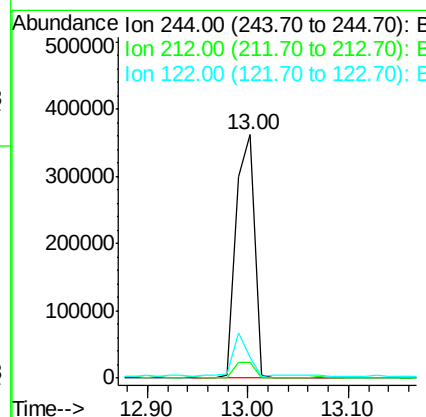
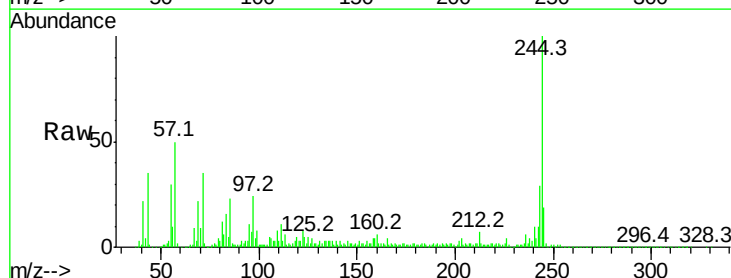
RT: 13.00 min Scan# 955

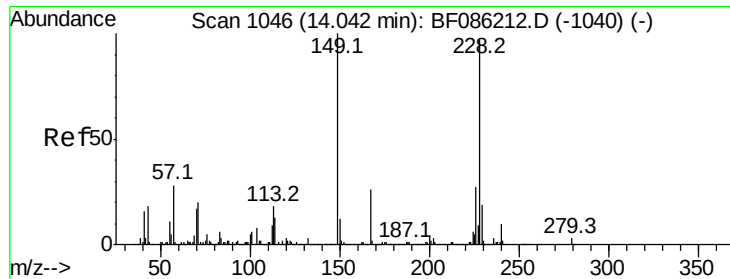
Delta R.T. 0.00 min

Lab File: BF086280.D

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Tgt Ion:	244	Resp:	460873
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.4	9.6
122	8.4	11.7	17.5#





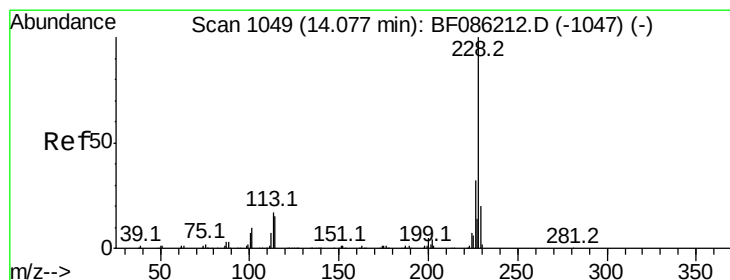
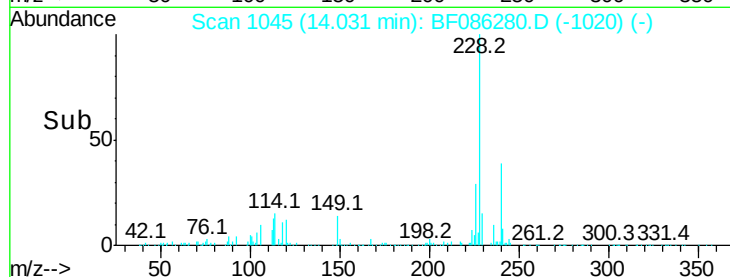
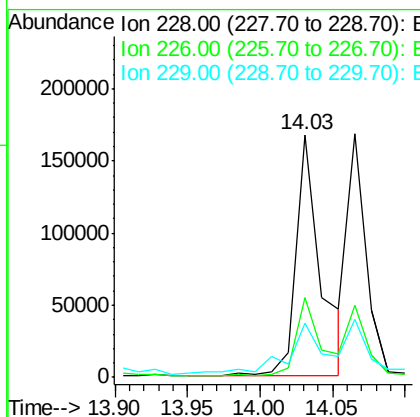
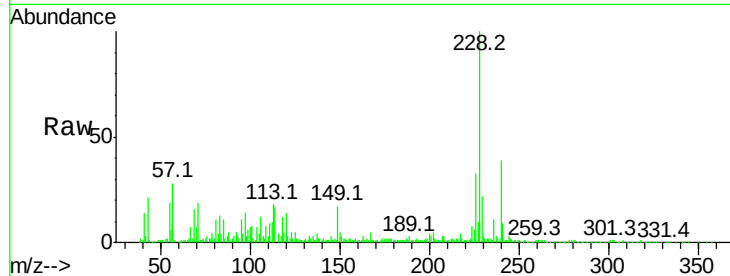
#80
Benzo(a)anthracene
Concen: 6.17 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Instrument :
BNA_F
ClientSampled :
DRAINDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.5	33.7
229	22.4	16.2	24.2

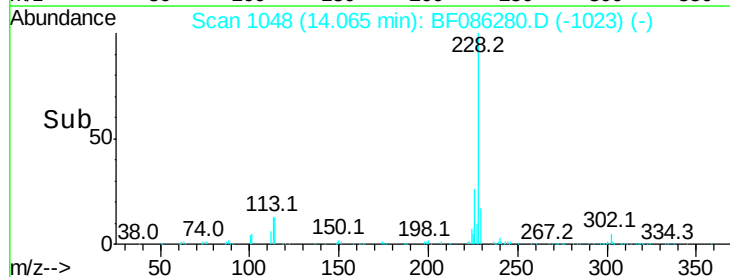
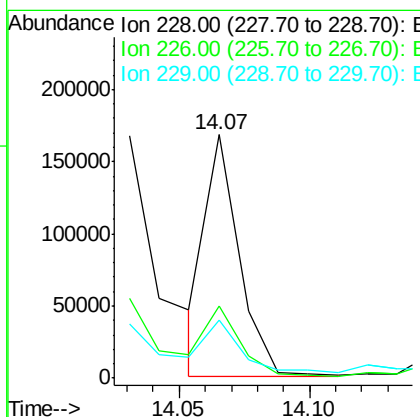
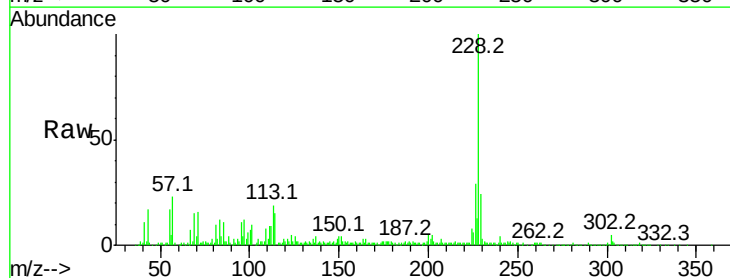
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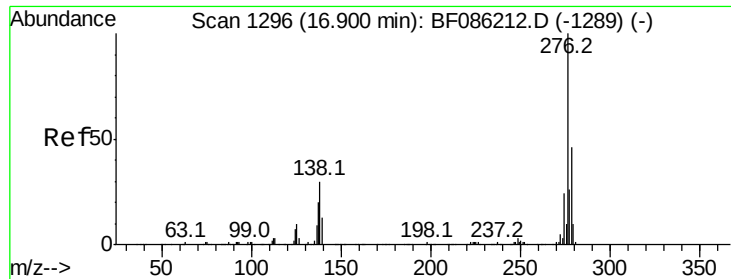
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#82
Chrysene
Concen: 4.31 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.4	38.2
229	23.7	16.5	24.7





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.97 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Instrument :

BNA_F

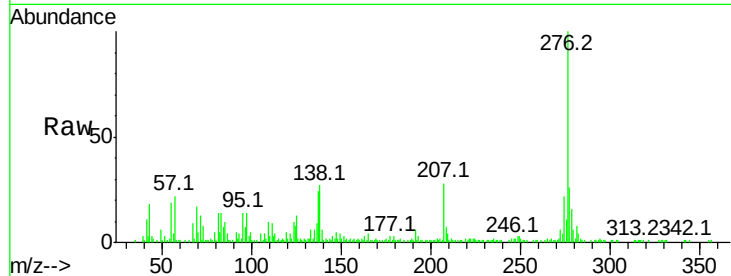
ClientSampleId :

DRAINDL

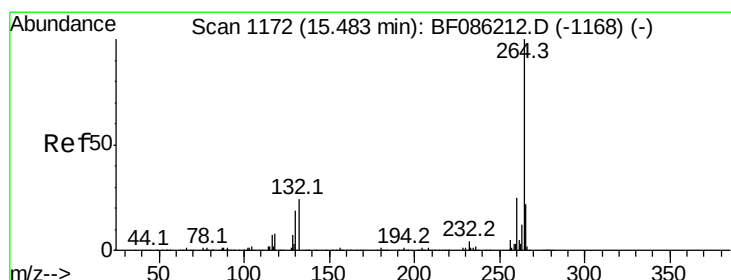
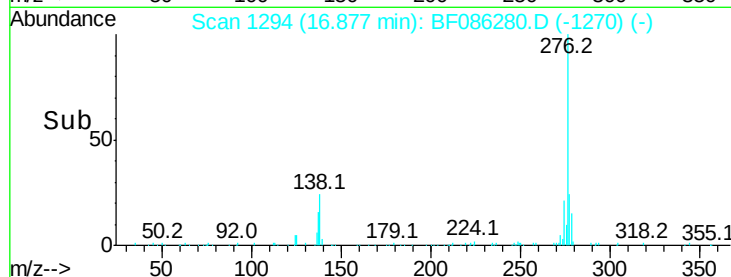
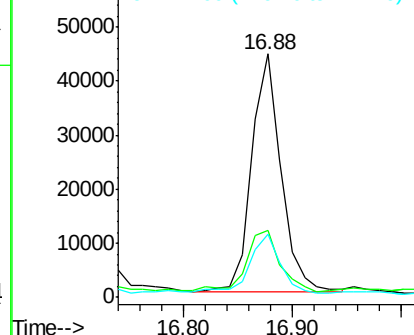
Tot Ion:	276	Resp:	83711
Ion Ratio	Lower	Upper	
276	100		
138	29.6	23.8	35.6
277	27.0	20.2	30.2

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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

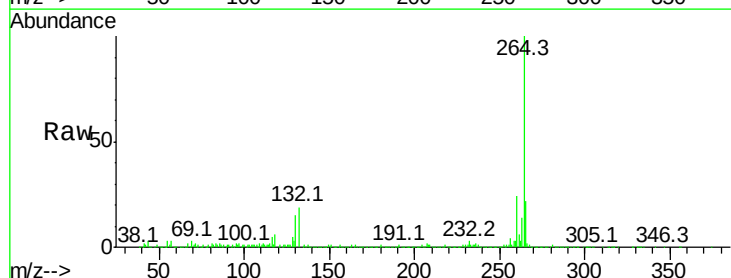
RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

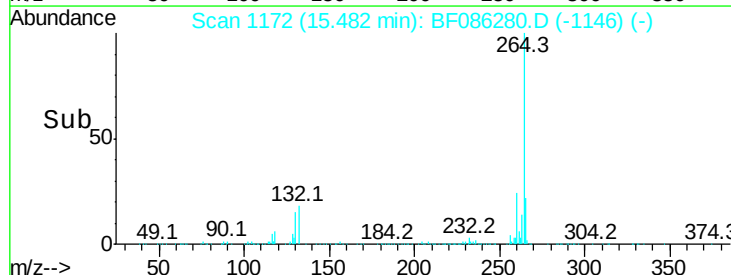
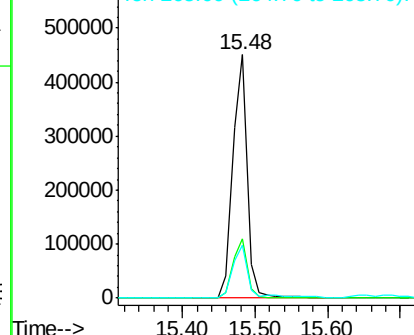
Lab File: BF086280.D

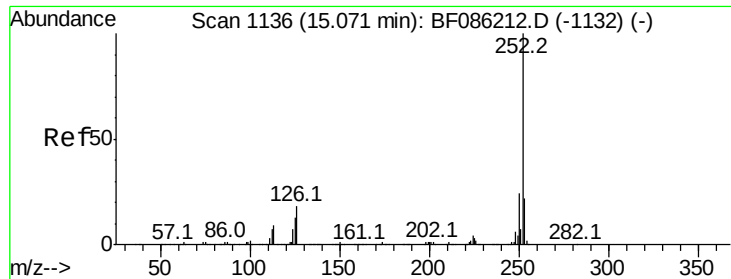
Acq: 18 Apr 2016 14:23

Tgt Ion:	264	Resp:	619876
Ion Ratio	Lower	Upper	
264	100		
260	24.1	20.0	30.0
265	21.9	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





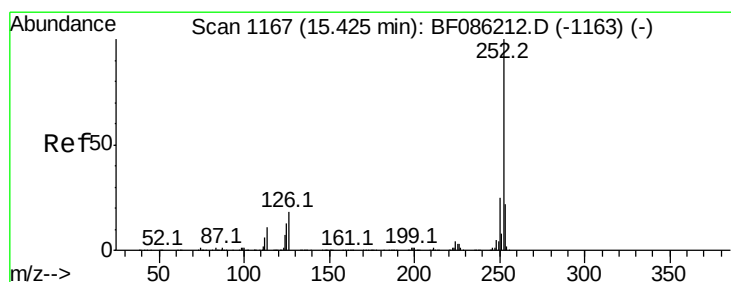
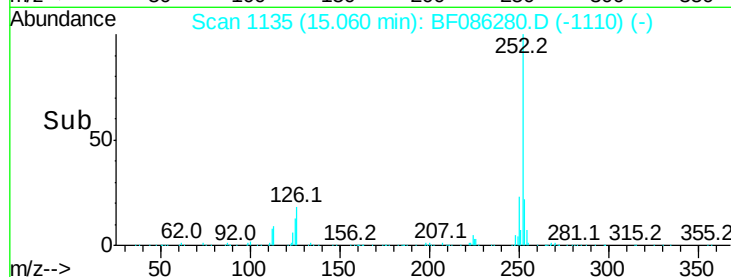
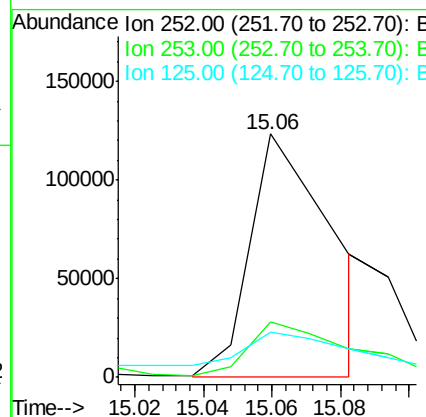
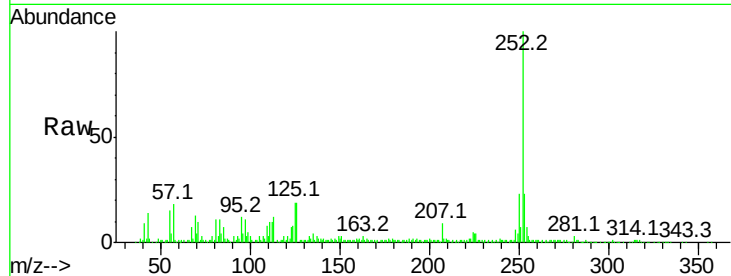
#87
Benzo(b)fluoranthene
Concen: 5.30 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Instrument :
BNA_F
ClientSampleId :
DRAINDL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.7	26.5
125	18.5	10.3	15.5

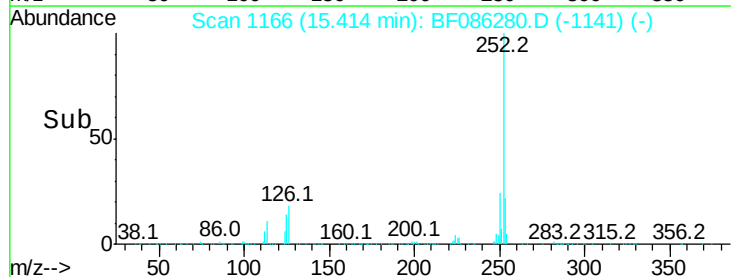
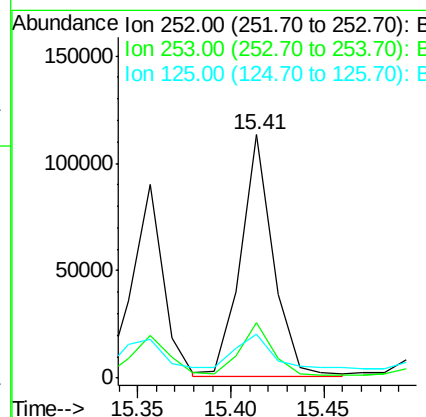
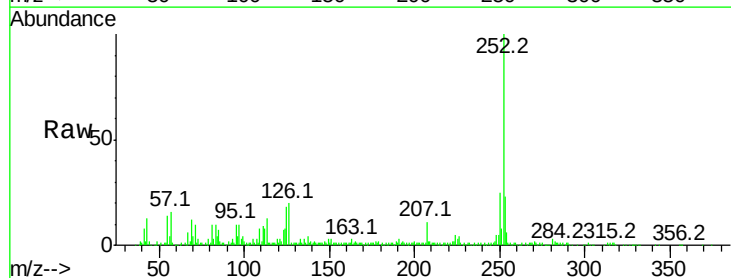
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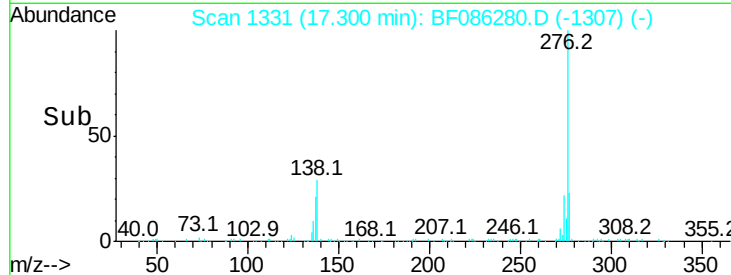
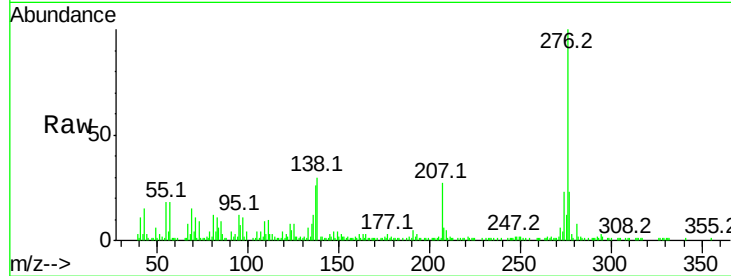
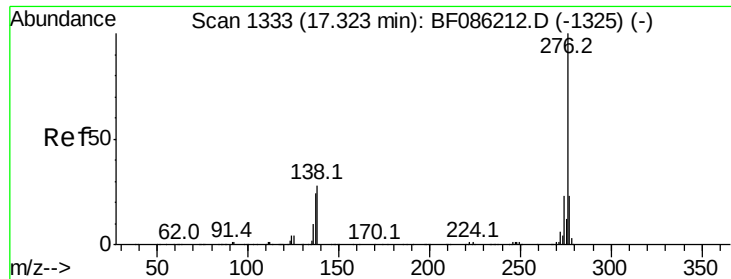
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#89
Benzo(a)pyrene
Concen: 4.15 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086280.D
Acq: 18 Apr 2016 14:23

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.8	26.8
125	17.9	11.2	16.8





#91

Benzo(a,h,i)perylene

Concen: 2.92 ng

RT: 17.30 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF086280.D

Acq: 18 Apr 2016 14:23

Instrument :

BNA_F

ClientSampleId :

DRAINDL

Tot Ion:	276	Resp:	90909
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.0	28.6
138	30.4	19.6	29.4#

Manual Integrations
APPROVED

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