

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
 Data File : BF088488.D
 Acq On : 28 Jun 2016 19:38
 Operator : UM/SJ
 Sample : H3663-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15DL

Manual Integrations
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Quant Time: Jun 29 11:31:12 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	96951	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	407487	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	186014	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	316078	20.00	ng	-0.03
75) Chrysene-d12	13.67	240	198842	20.00	ng	-0.02
86) Perylene-d12	15.02	264	164263	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	167651	29.56	ng	-0.03
7) Phenol-d6	6.18	99	229853	33.44	ng	-0.05
23) Nitrobenzene-d5	7.10	82	119426	17.11	ng	-0.03
41) 2,4,6-Tribromophenol	10.34	330	47429	24.15	ng	-0.03
44) 2-Fluorobiphenyl	8.89	172	238345	15.61	ng	-0.03
78) Terphenyl-d14	12.60	244	176918	20.25	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	56695	4.21	ng	99
70) Phenanthrene	11.05	178	77938	4.70	ng	98
74) Fluoranthene	12.24	202	332010	18.97	ng	95
77) Pyrene	12.47	202	282085	19.12	ng	98
80) Benzo(a)anthracene	13.66	228	263088m	23.22	ng	
82) Chrysene	13.69	228	461845m	43.32	ng	
85) Indeno(1,2,3-cd)pyrene	16.24	276	79271	8.00	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	432533m	37.78	ng	
88) Benzo(k)fluoranthene	14.67	252	91719m	10.62	ng	
89) Benzo(a)pyrene	14.96	252	121138	13.08	ng	97
90) Dibenzo(a,h)anthracene	16.24	278	28275m	3.29	ng	
91) Benzo(a,h,i)perylene	16.61	276	84930	9.60	ng	98

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

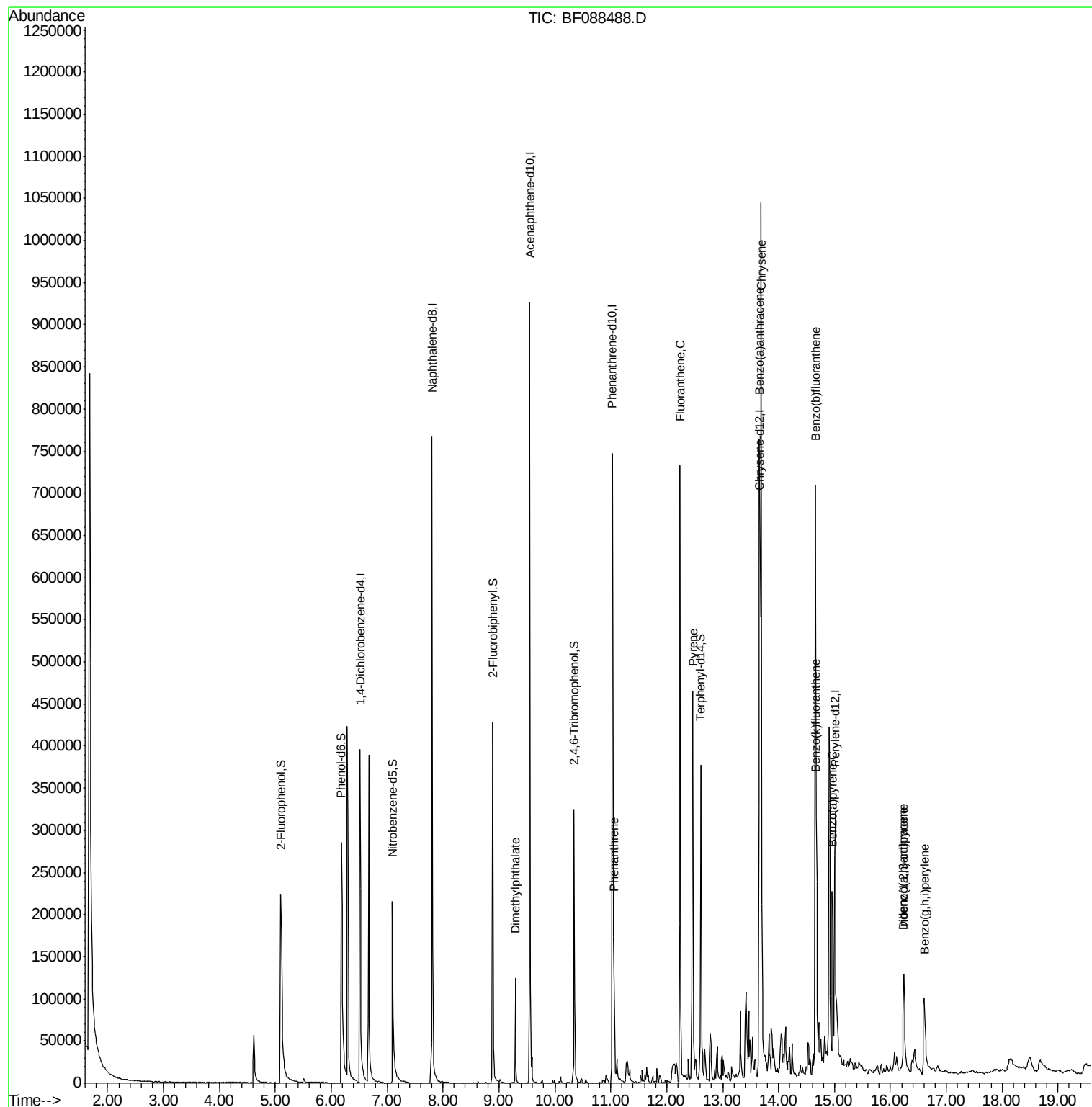
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

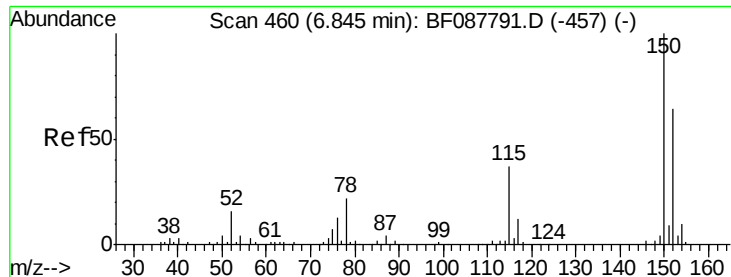
Instrument :
BNA_F
ClientSampleId :
TP-15DL

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Quant Time: Jun 29 11:31:12 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

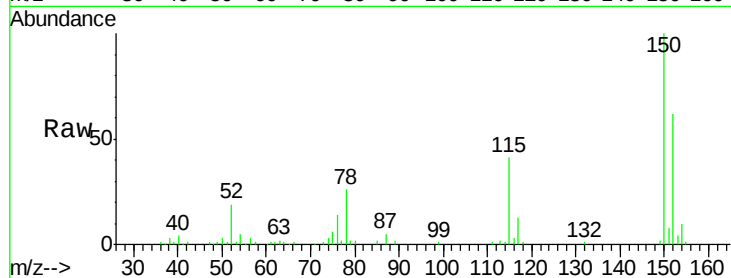
ClientSampleId :

TP-15DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	123.8	185.6
115	66.8	39.6	59.4

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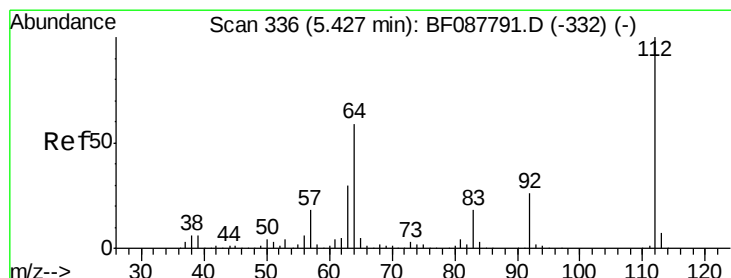
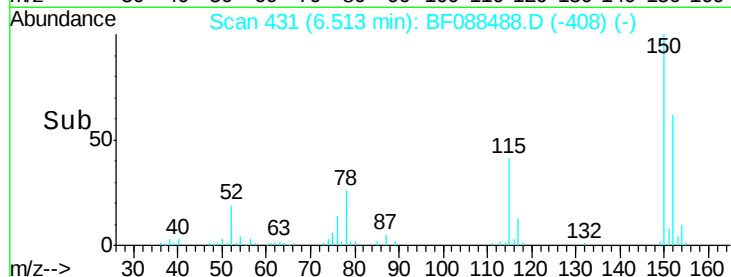
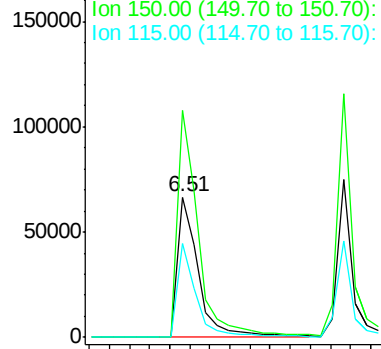


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 29.56 ng

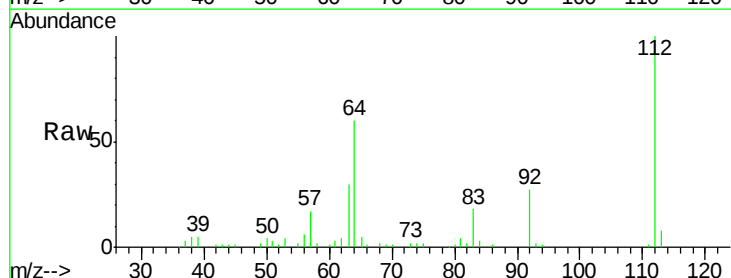
RT: 5.10 min Scan# 307

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	42.2	63.2
63	29.8	21.8	32.8

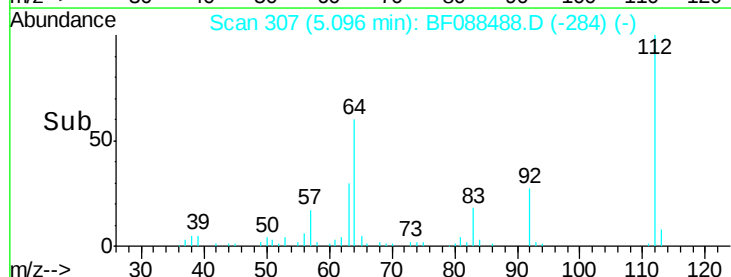
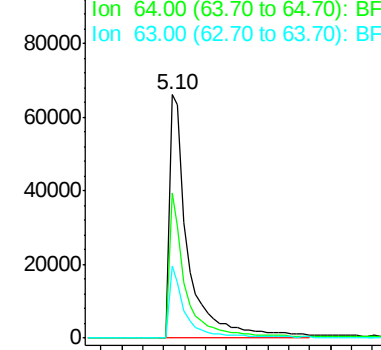


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.44 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

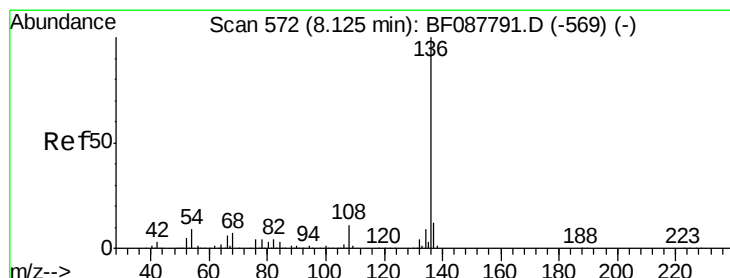
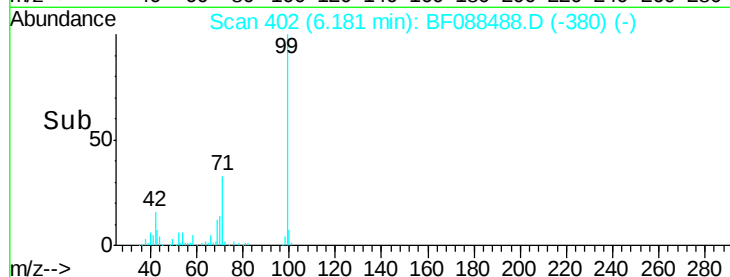
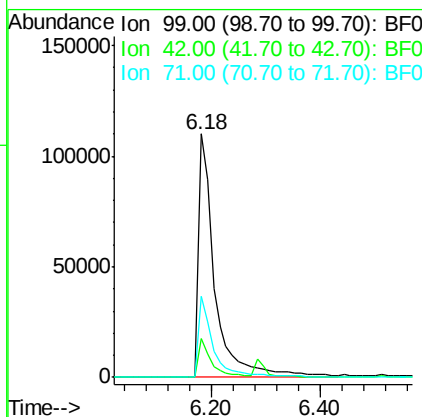
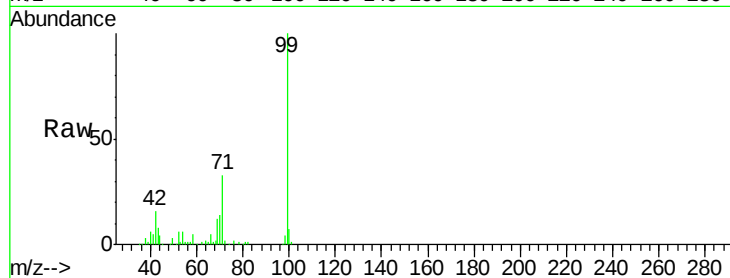
ClientSampleId :

TP-15DL

Tot Ion:	99	Resp:	229853
Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.2	18.2
71	33.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

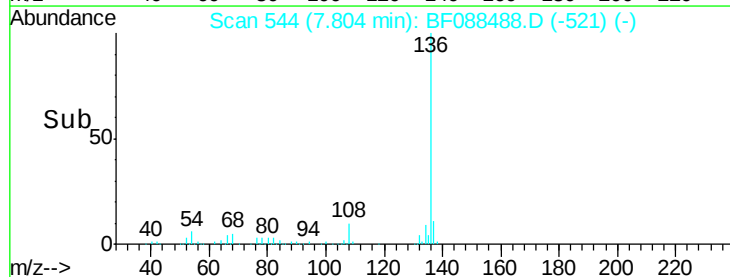
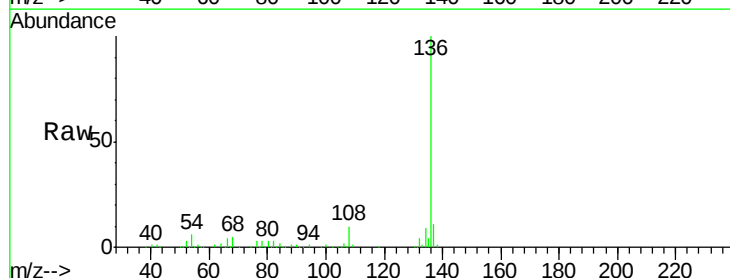
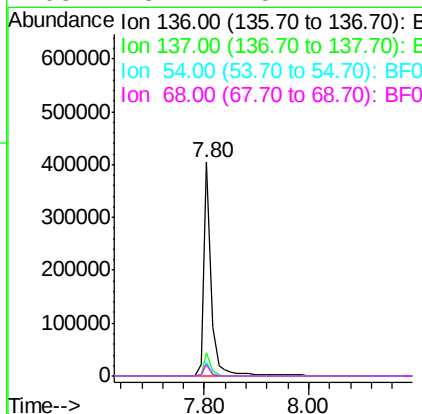
RT: 7.80 min Scan# 544

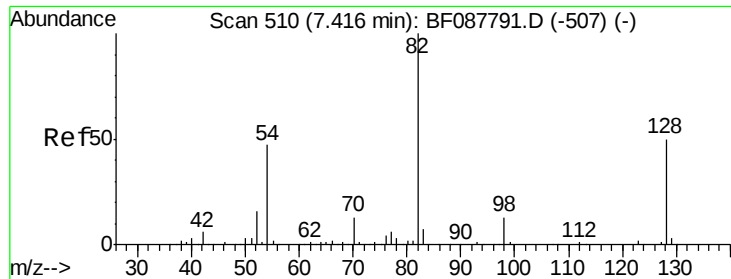
Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Tgt Ion:	136	Resp:	407487
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.3	6.6	10.0#
68	5.2	5.1	7.7





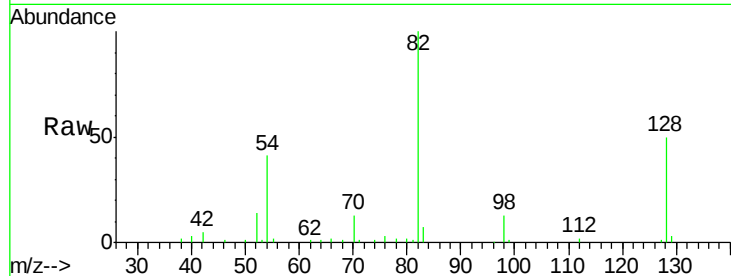
#23
Nitrobenzene-d5
Concen: 17.11 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Instrument :
BNA_F
ClientSampled :
TP-15DL

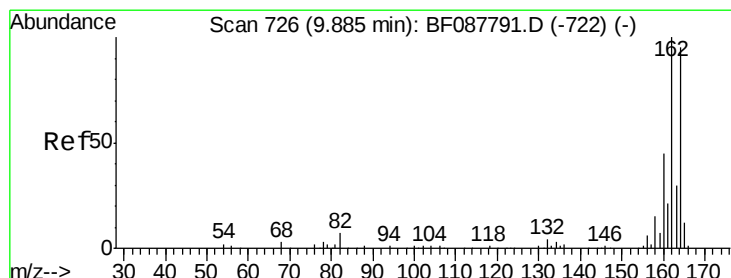
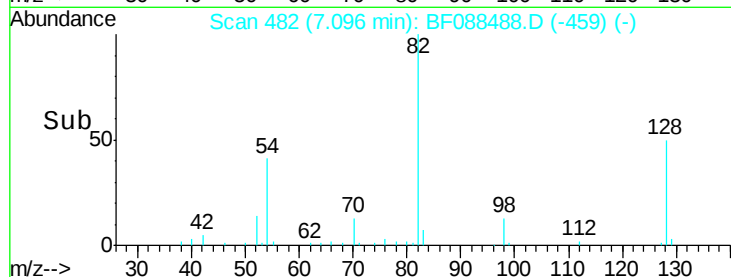
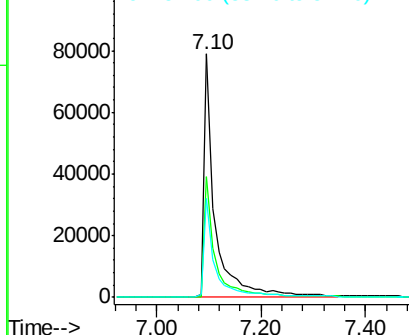
Tot Ion	82	Resp	119426
Ion Ratio	100	Lower	Upper
82	100		
128	49.7	35.9	53.9
54	40.8	40.9	61.3

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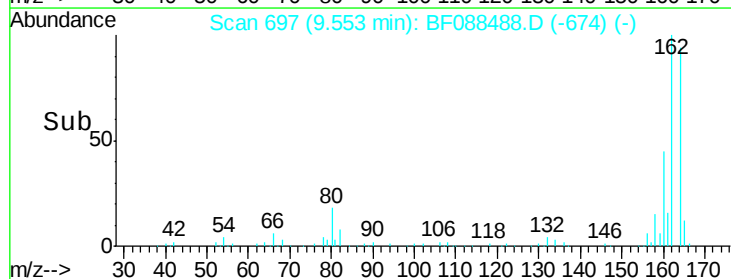
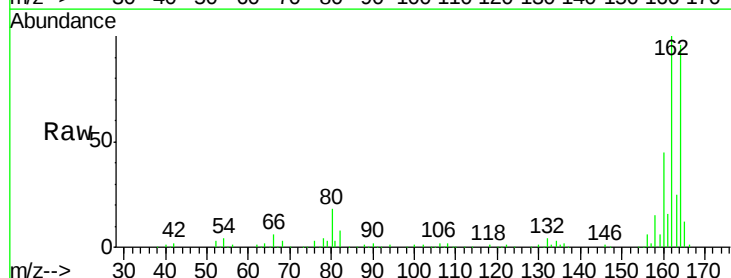
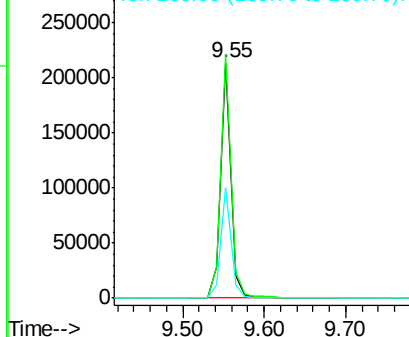
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

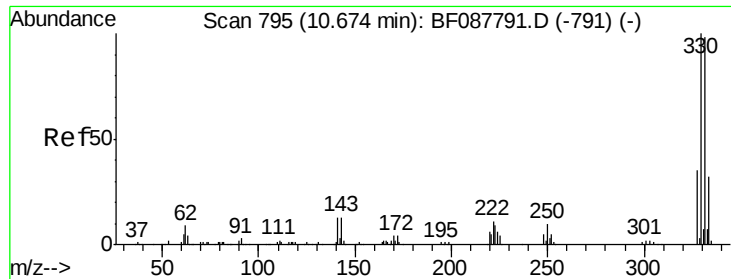


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion	164	Resp	186014
Ion Ratio	100	Lower	Upper
164	100		
162	103.8	85.4	128.2
160	46.9	39.5	59.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





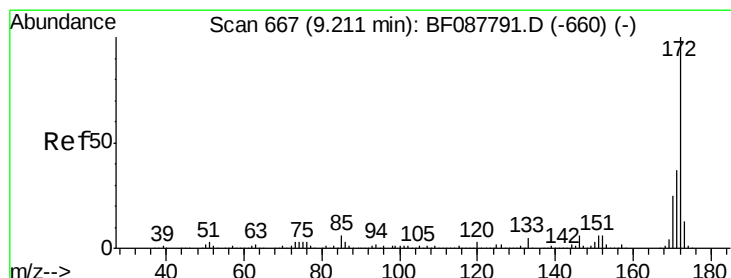
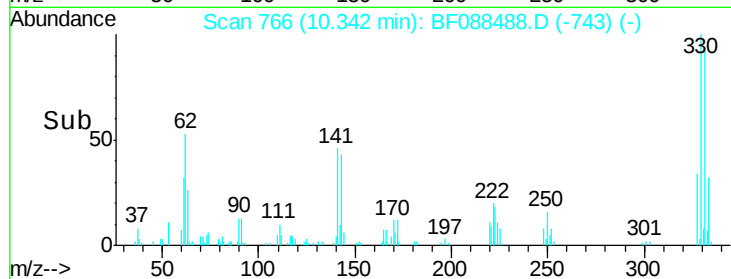
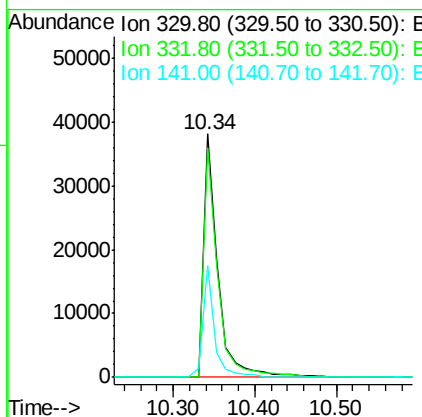
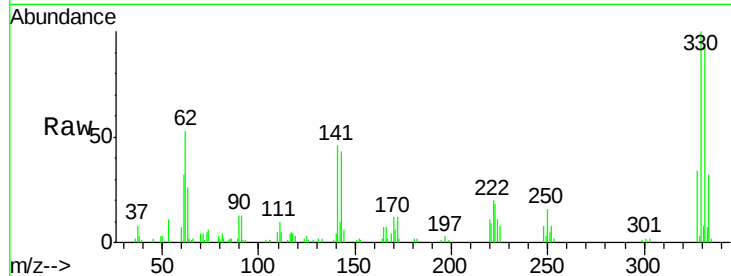
#41
 2,4,6-Tribromophenol
 Concen: 24.15 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.03 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

Instrument :
 BNA_F
 ClientSampled :
 TP-15DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	47429		
332	94.0	0.0	0.0	0.0
141	37.4	0.0	0.0	0.0

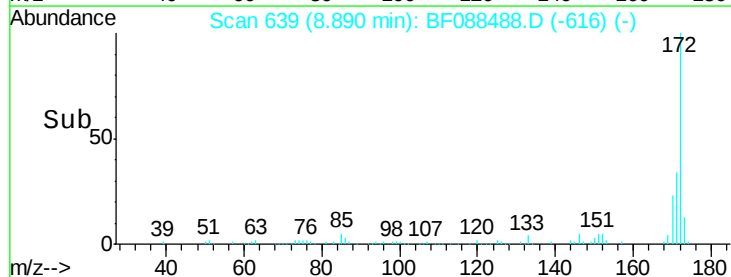
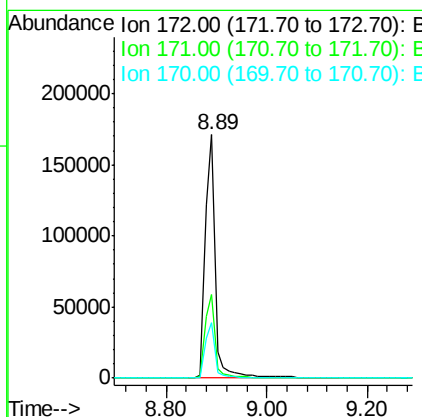
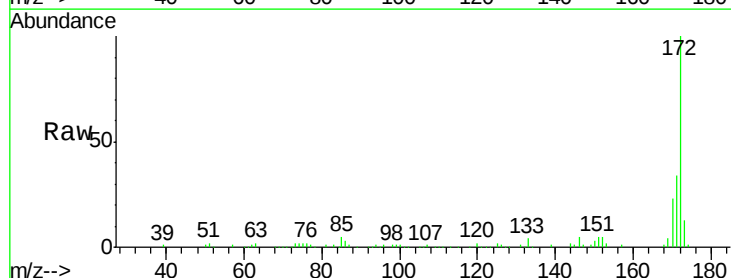
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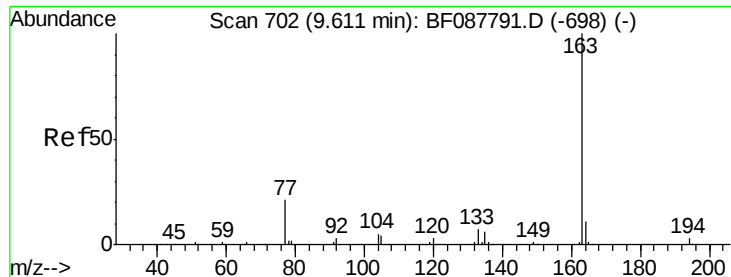
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#44
 2-Fluorobiphenyl
 Concen: 15.61 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	238345		
171	34.2	28.6	43.0	
170	22.8	19.2	28.8	





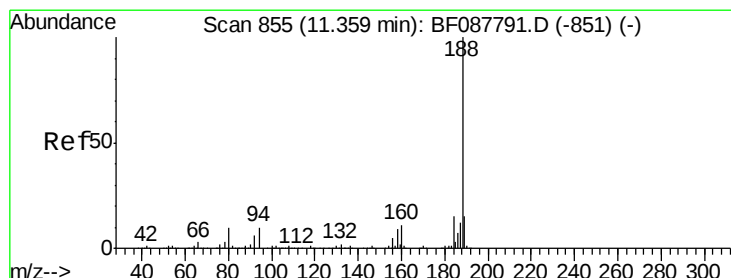
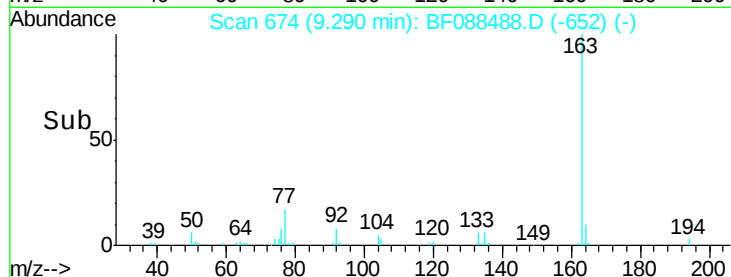
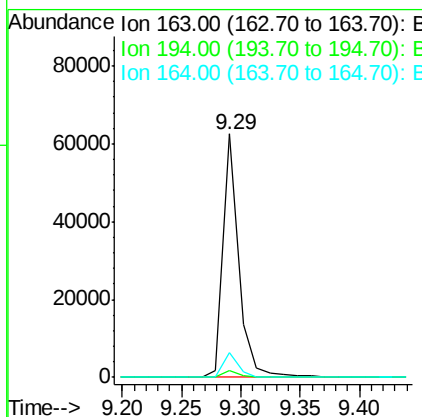
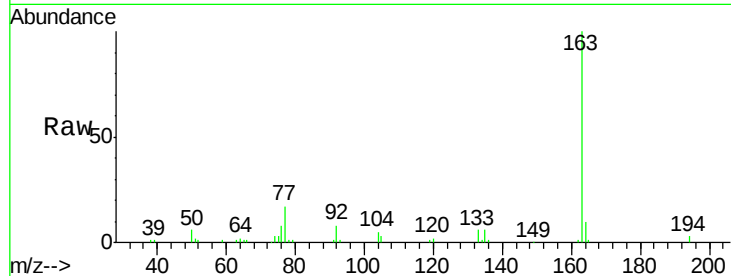
#49
Dimethylphthalate
Concen: 4.21 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	56695		
194	3.0		2.8	4.2
164	10.2		8.3	12.5

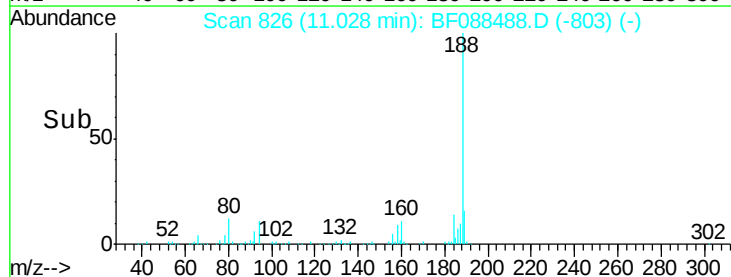
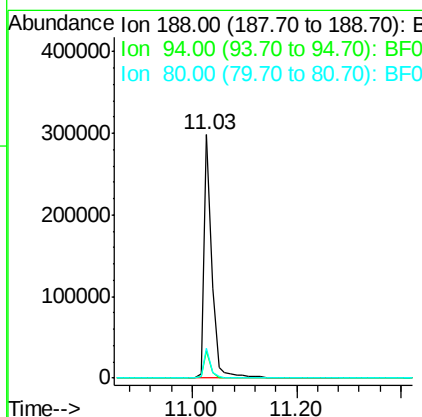
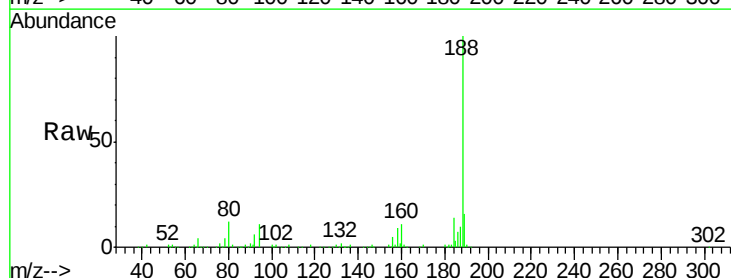
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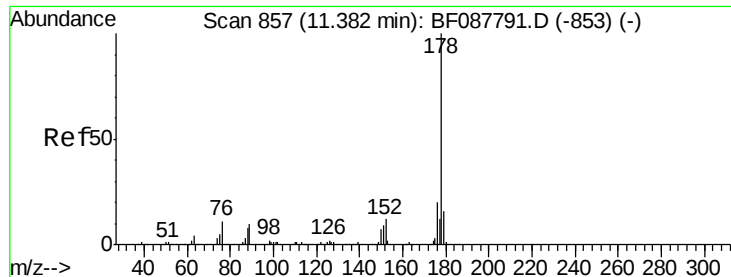
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	316078		
94	11.4		9.0	13.6
80	12.1		10.0	15.0





#70

Phenanthrene

Concen: 4.70 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

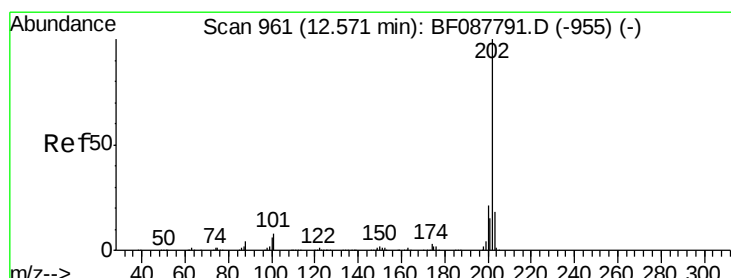
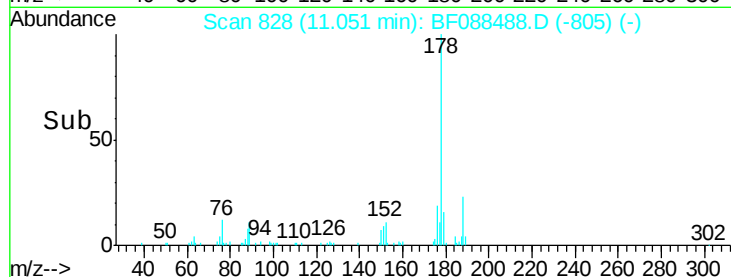
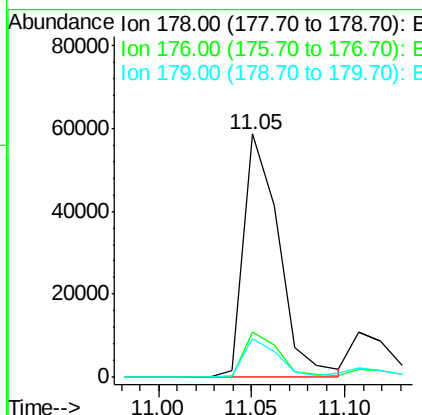
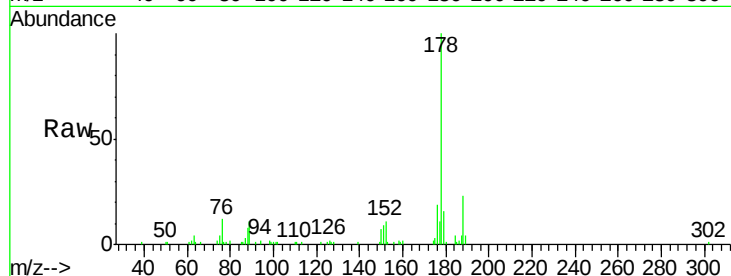
ClientSampleId :

TP-15DL

Tot Ion:178	Resp:	77938
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.8 23.6
179	15.8	13.0 19.4

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#74

Fluoranthene

Concen: 18.97 ng

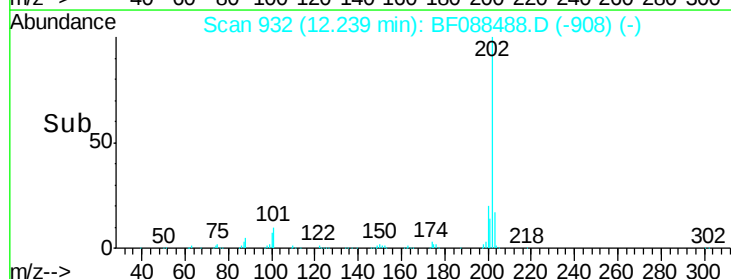
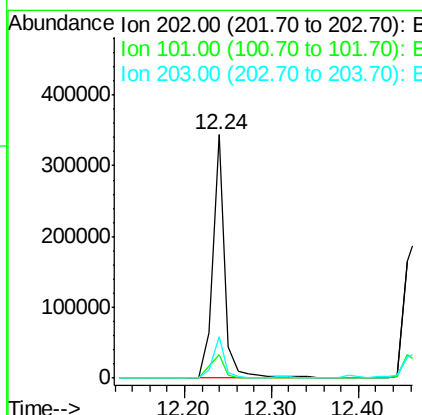
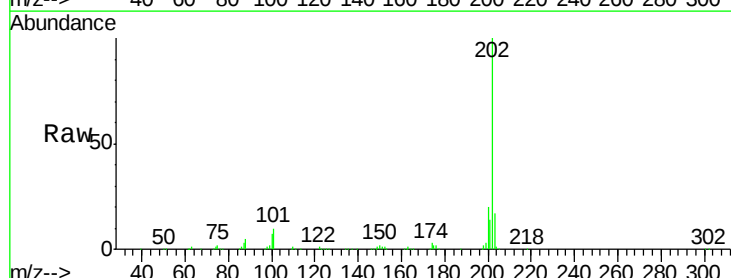
RT: 12.24 min Scan# 932

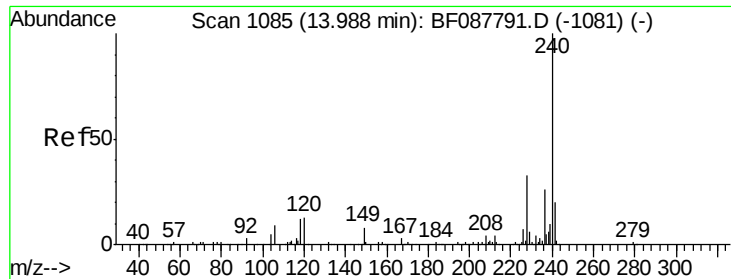
Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Tgt Ion:202	Resp:	332010
Ion Ratio	Lower	Upper
202	100	
101	9.7	0.0 33.1
203	17.0	0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

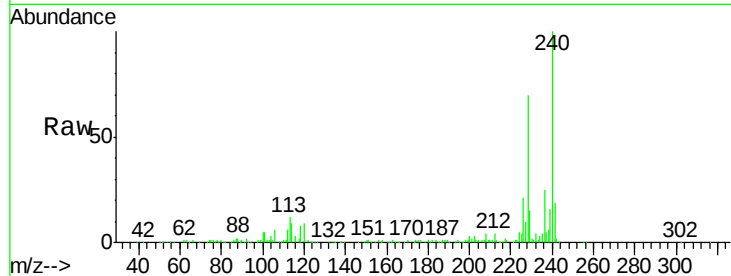
ClientSampled :

TP-15DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	198842		
120	9.2	6.8	10.2	
236	25.0	20.2	30.2	

Manual Integrations
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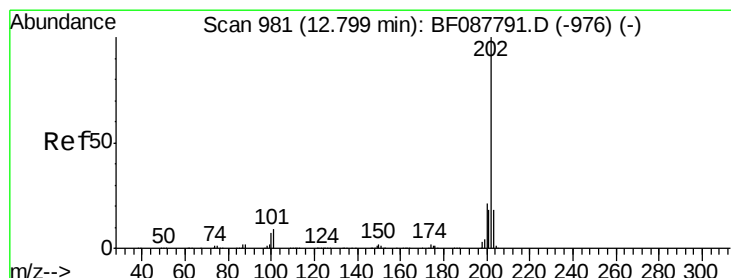
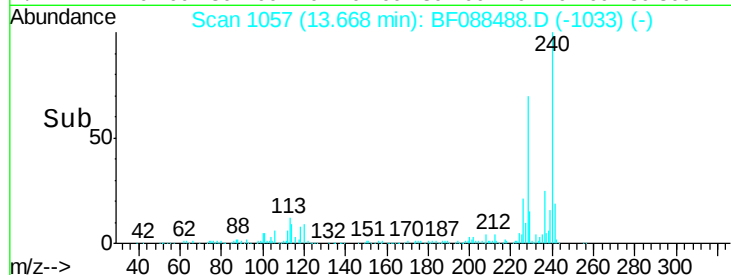
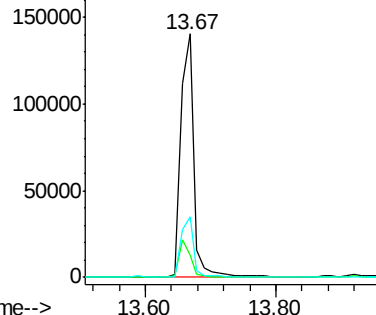
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 19.12 ng

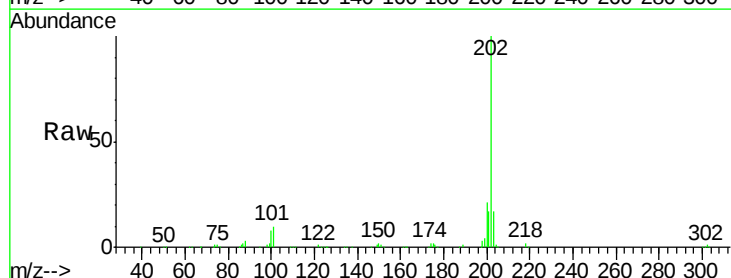
RT: 12.47 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

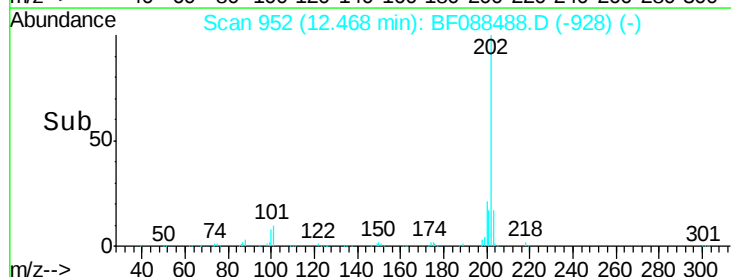
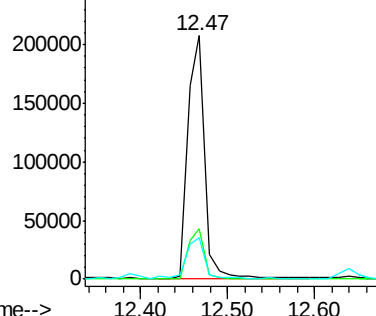
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	282085		
200	20.7	17.4	26.2	
203	17.1	14.5	21.7	

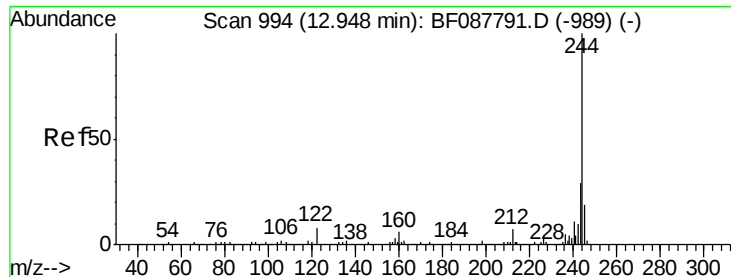


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.25 ng

RT: 12.60 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

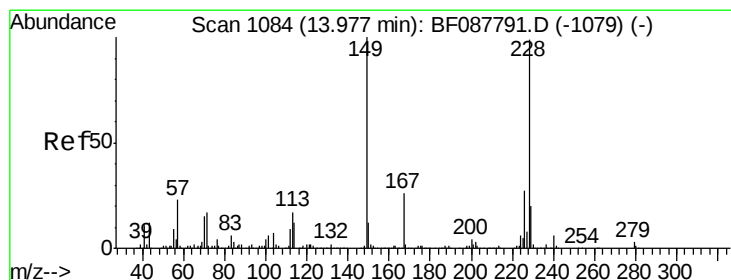
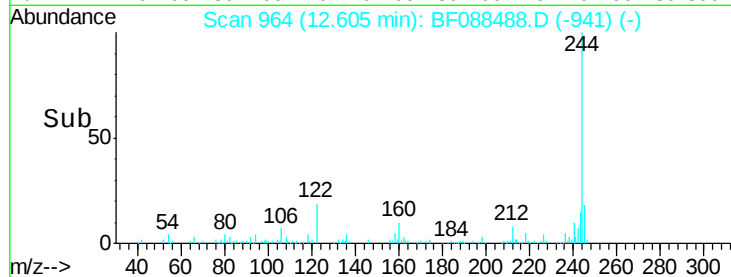
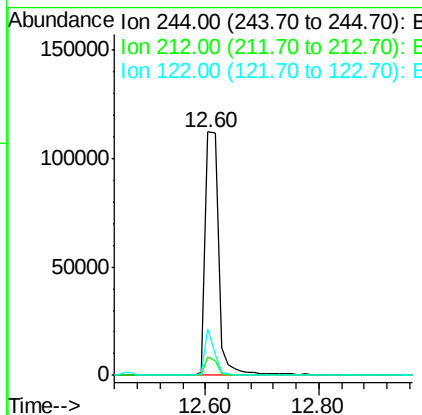
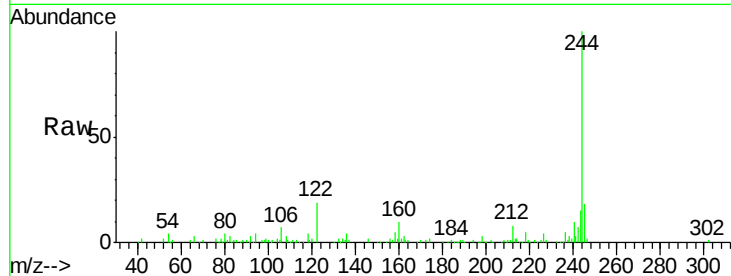
ClientSampled :

TP-15DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	18.9	11.2	16.8

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#80

Benzo(a)anthracene

Concen: 23.22 ng m

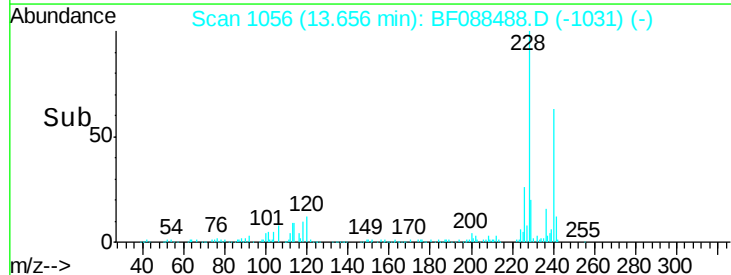
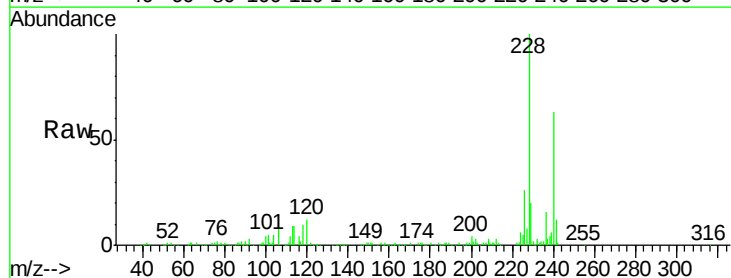
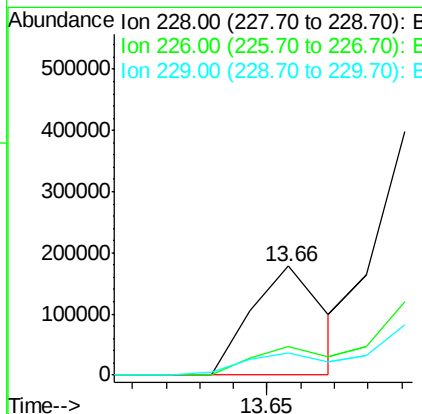
RT: 13.66 min Scan# 1056

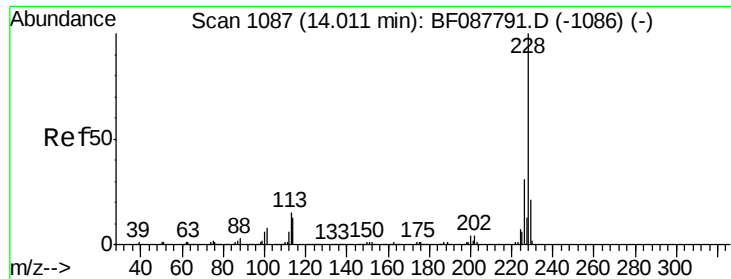
Delta R.T. -0.01 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.3	33.5
229	20.4	16.0	24.0





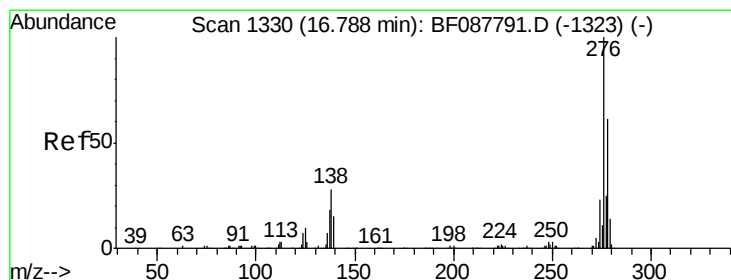
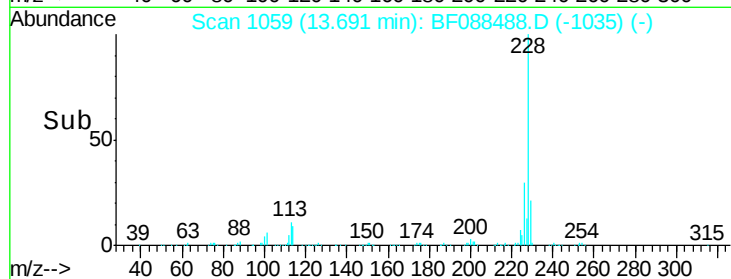
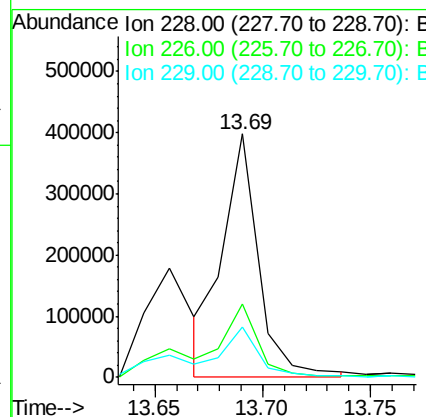
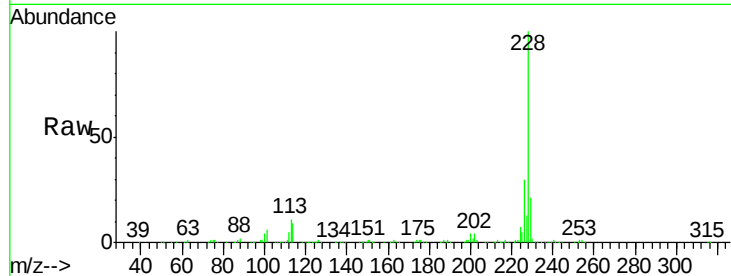
#82
Chrysene
Concen: 43.32 ng/ml
RT: 13.69 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Instrument :
BNA_F
ClientSampled :
TP-15DL

Tot Ion:	228	Resp:	461845
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	20.6	16.3	24.5

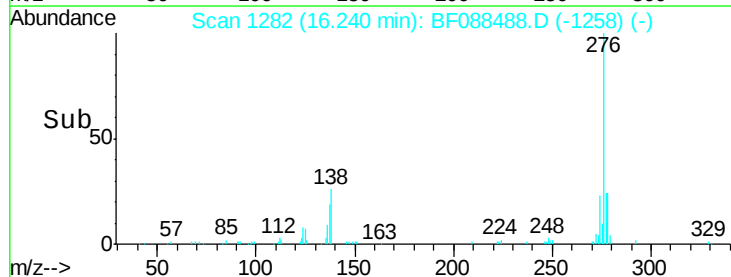
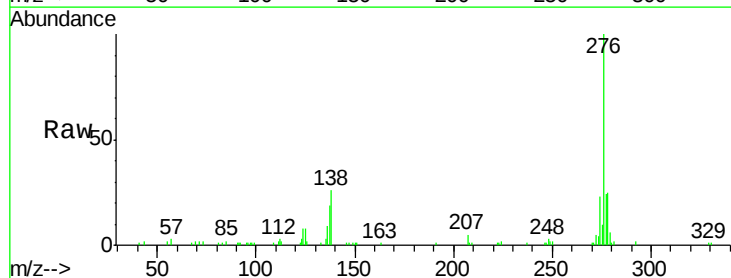
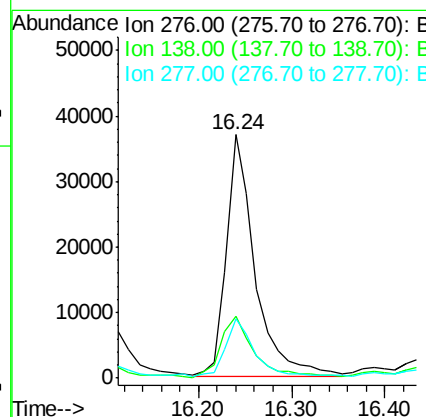
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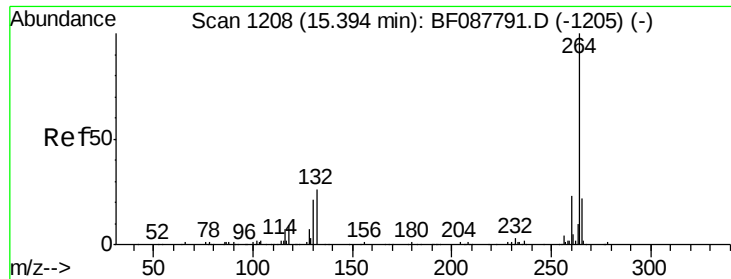
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.00 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion:	276	Resp:	79271
Ion Ratio	Lower	Upper	
276	100		
138	30.4	0.0	0.0#
277	23.7	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

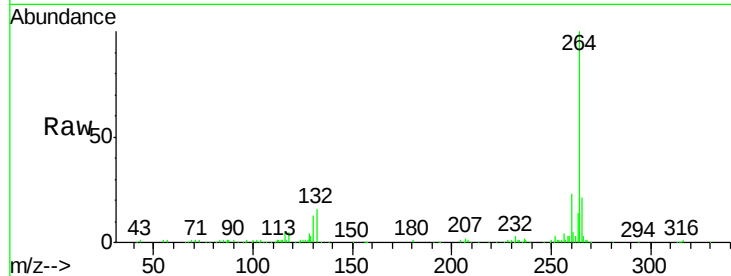
ClientSampled :

TP-15DL

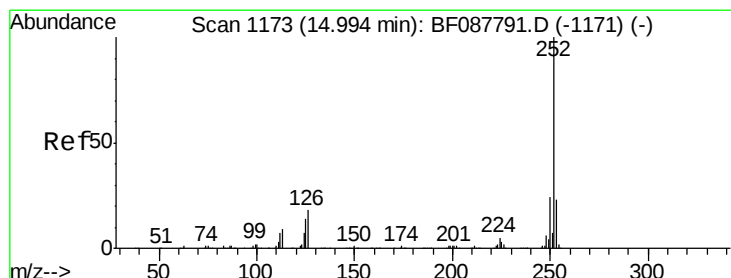
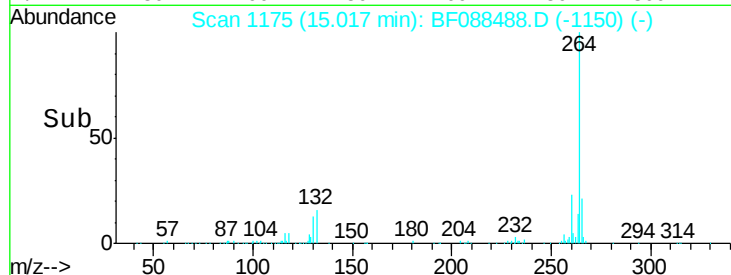
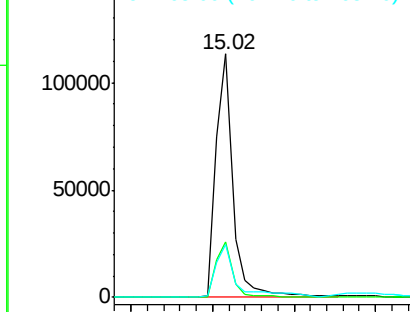
Tot Ion:	264	Resp:	164263
Ion Ratio		Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.5	16.9	25.3

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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: 37.78 ng m

RT: 14.66 min Scan# 1144

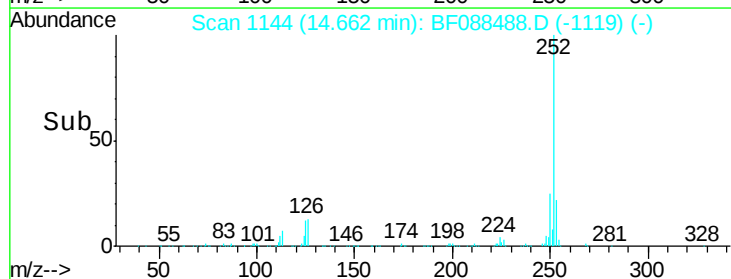
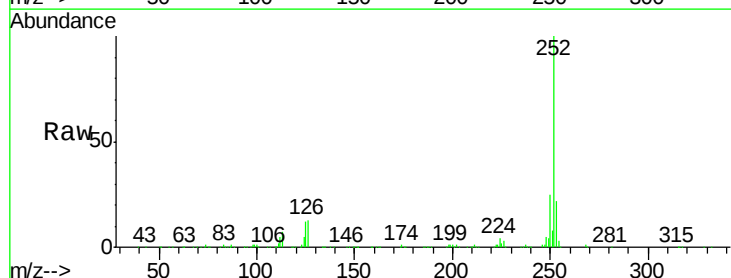
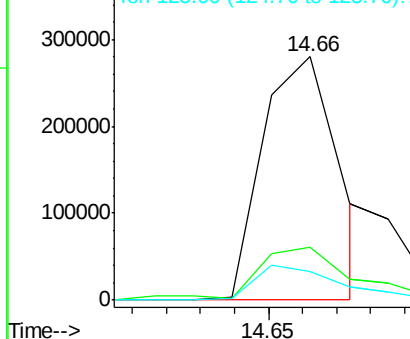
Delta R.T. -0.01 min

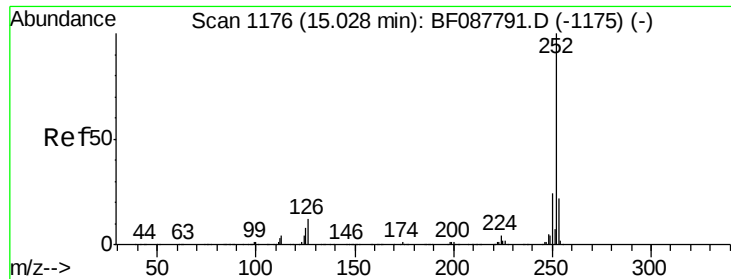
Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Tgt Ion:	252	Resp:	432533
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.7	7.1	10.7#

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





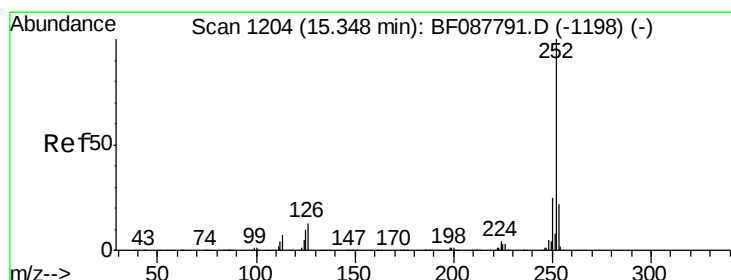
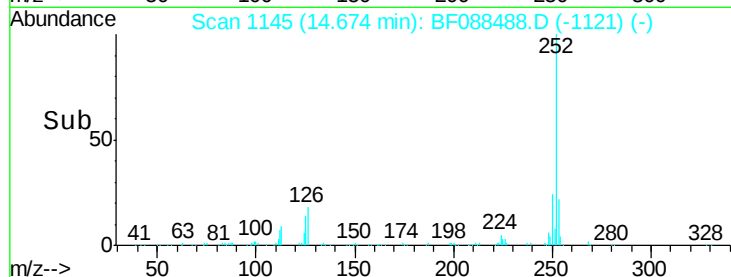
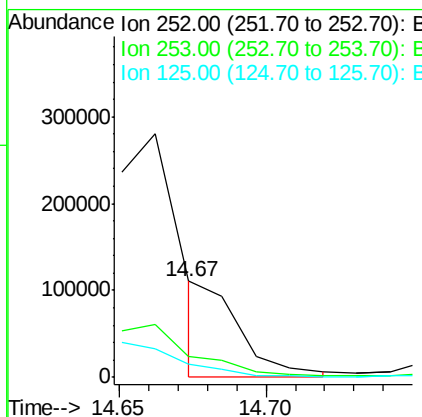
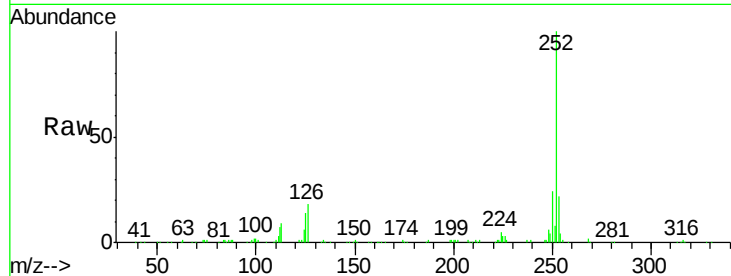
#88
Benzo(k)fluoranthene
Concen: 10.62 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Instrument :
BNA_F
ClientSampleId :
TP-15DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	14.0	11.2	16.8

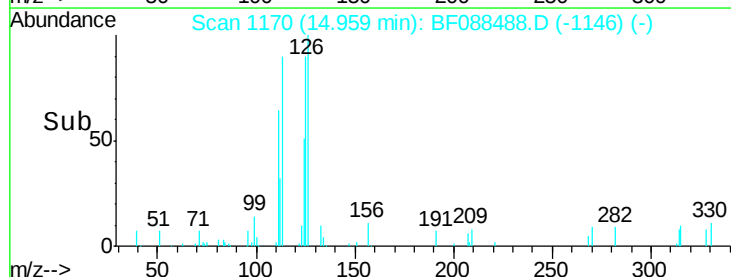
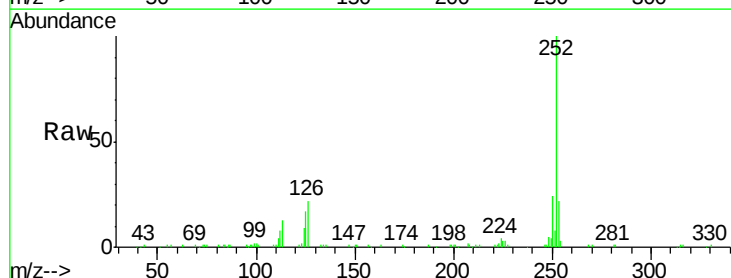
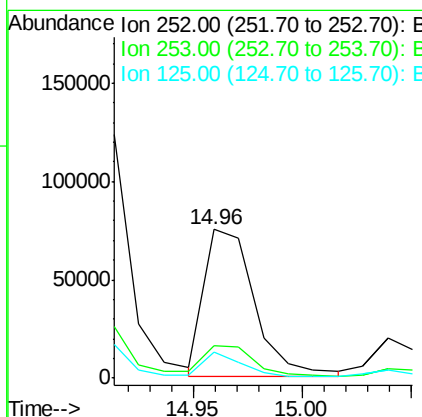
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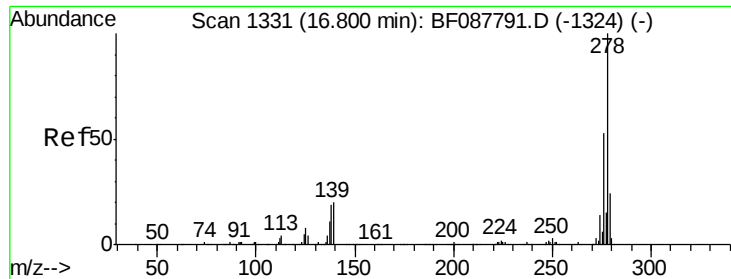
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#89
Benzo(a)pyrene
Concen: 13.08 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	17.4	12.5	18.7





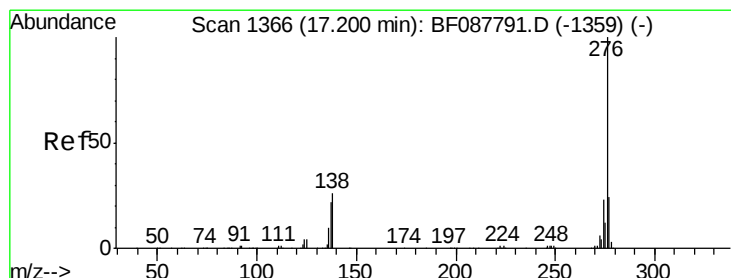
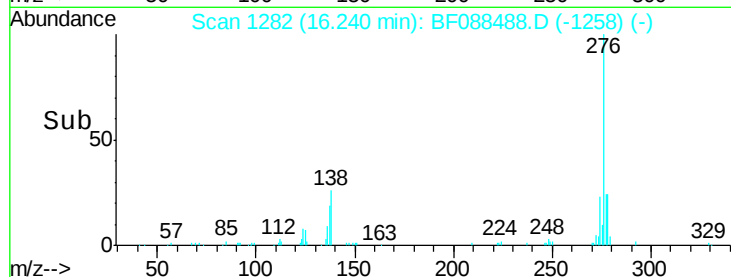
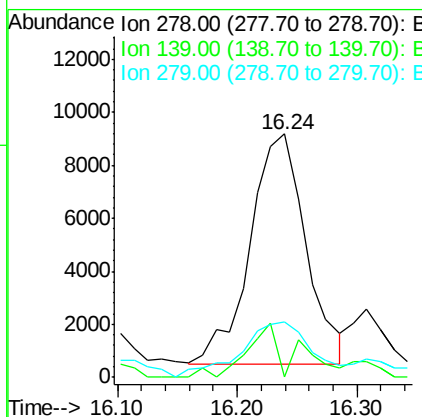
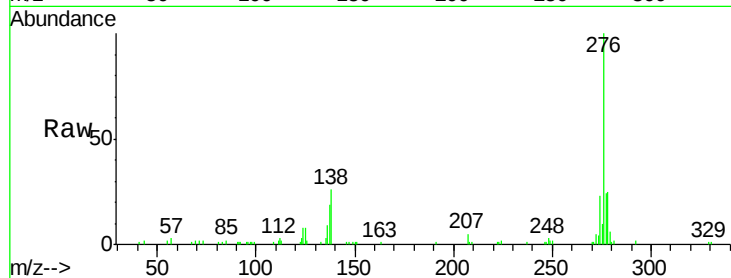
#90
Dibenzo(a,h)anthracene
Concen: 3.29 ng/mL
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Instrument :
BNA_F
ClientSampleId :
TP-15DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5
279	22.8	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 9.60 ng/mL
RT: 16.61 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	26.4	21.4	32.2

