

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
 Data File : BF091805.D
 Acq On : 20 Dec 2016 6:02
 Operator : UM/SJ
 Sample : H6099-14 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

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Quant Time: Dec 20 06:39:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	228231	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	795141	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	358245	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	519087	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	447362	20.00	ng	-0.01
86) Perylene-d12	15.32	264	359560	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	333006	24.45	ng	-0.01
7) Phenol-d6	6.41	99	434446	26.15	ng	-0.01
23) Nitrobenzene-d5	7.32	82	270854	19.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	67162	22.11	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	415121	23.28	ng	-0.02
78) Terphenyl-d14	12.86	244	288520	16.28	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.65	152	63157	2.12	ng	98
70) Phenanthrene	11.30	178	311284	12.00	ng	97
71) Anthracene	11.36	178	91433	3.33	ng	95
74) Fluoranthene	12.49	202	493649	18.22	ng	94
77) Pyrene	12.72	202	420188	13.01	ng	97
79) Butylbenzylphthalate	13.34	149	32178	2.13	ng	# 84
80) Benzo(a)anthracene	13.91	228	238497	9.32	ng	94
82) Chrysene	13.94	228	200983m	7.58	ng	
85) Indeno(1,2,3-cd)pyrene	16.66	276	91914	3.52	ng	95
87) Benzo(b)fluoranthene	14.92	252	255763m	11.22	ng	
88) Benzo(k)fluoranthene	14.95	252	97027m	6.07	ng	
89) Benzo(a)pyrene	15.25	252	168424	8.61	ng	# 96
91) Benzo(a,h,i)perylene	17.07	276	97028	5.60	ng	96

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

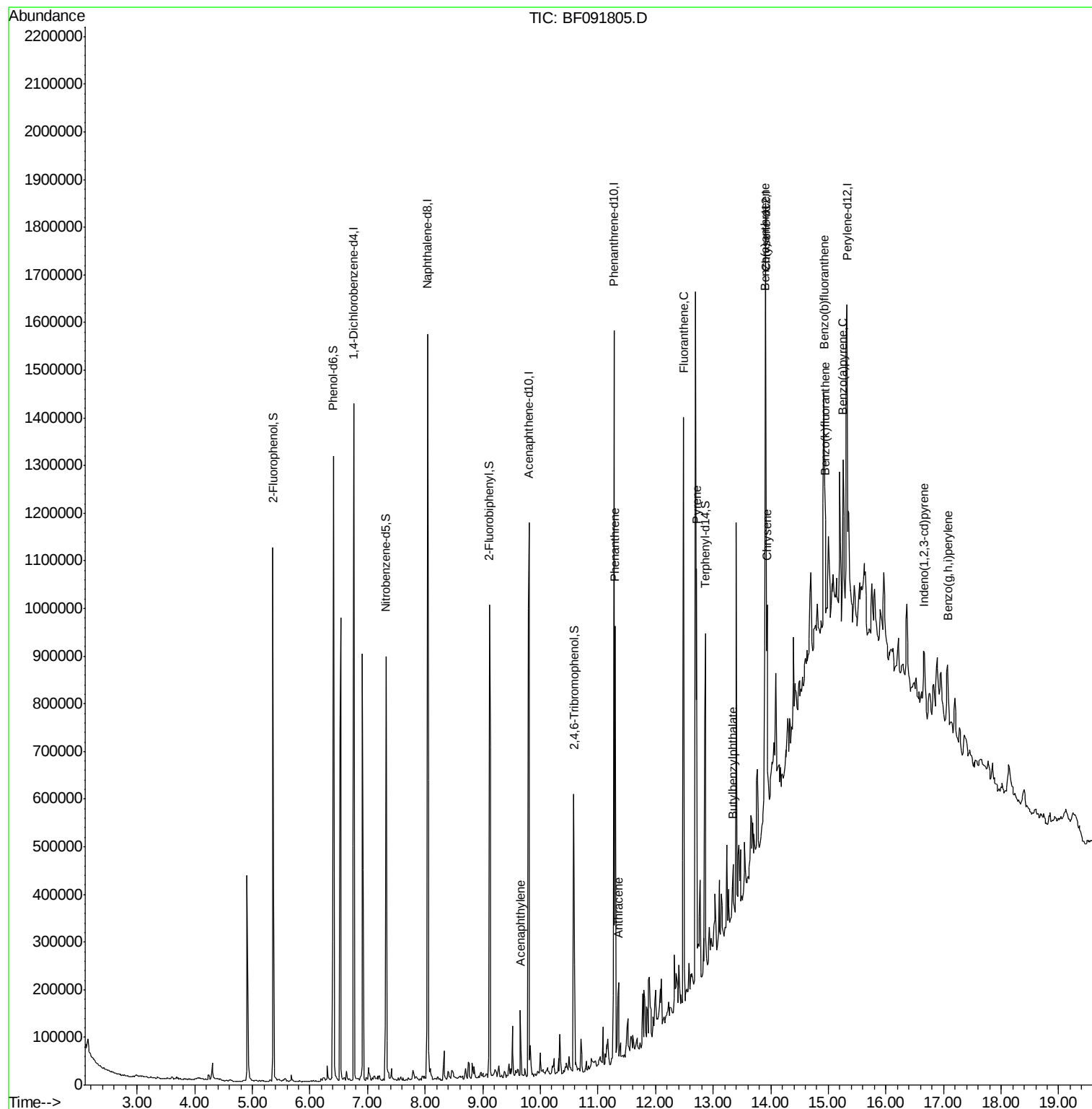
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
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Sample : H6099-14 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

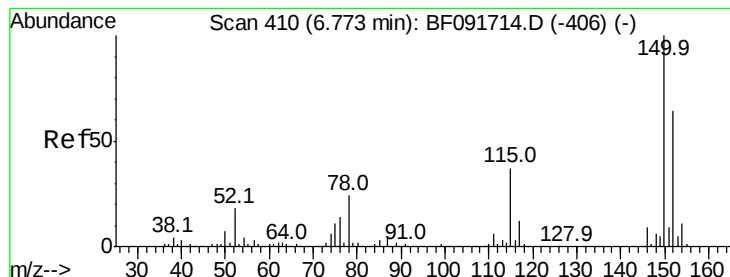
Instrument :
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TP12-2.5-3FT

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

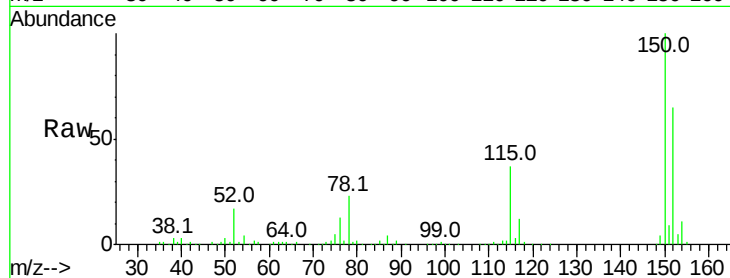
ClientSampleId :

TP12-2.5-3FT

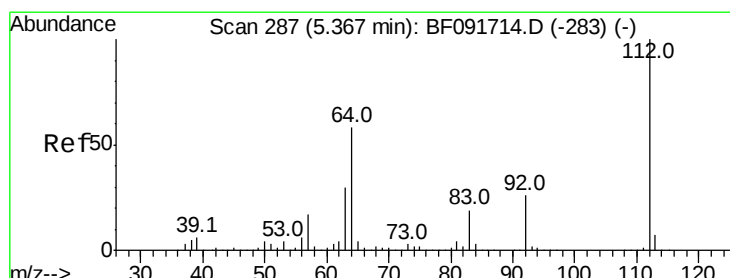
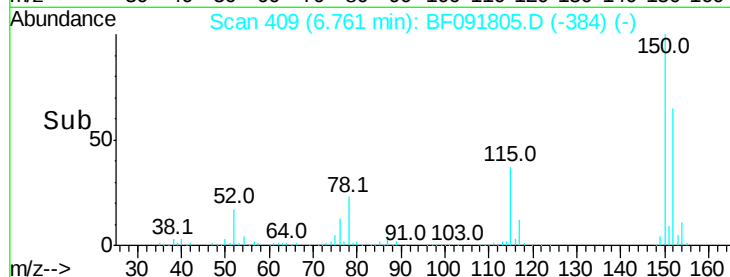
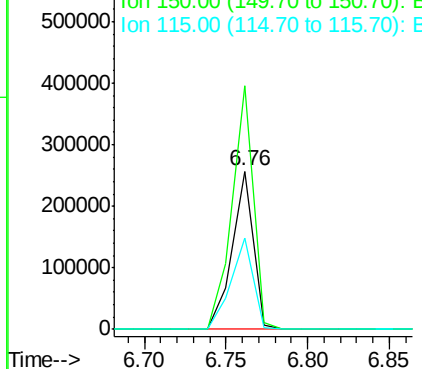
Tot Ion:	152	Resp:	228231
Ion Ratio	Lower	Upper	
152	100		
150	153.6	124.9	187.3
115	57.6	46.0	69.0

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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: 24.45 ng

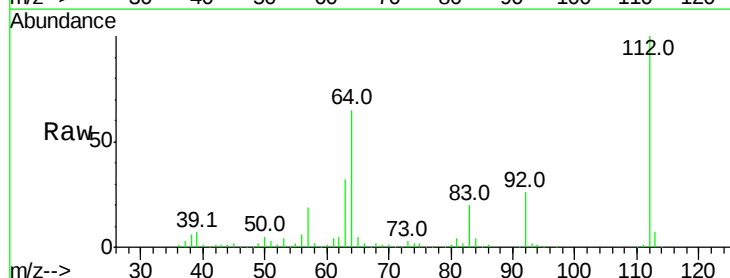
RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

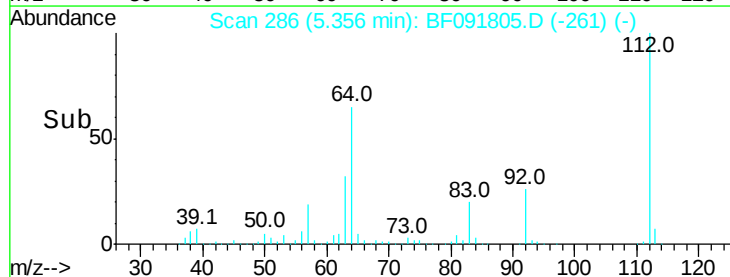
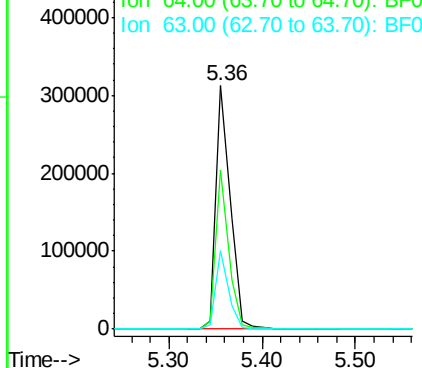
Lab File: BF091805.D

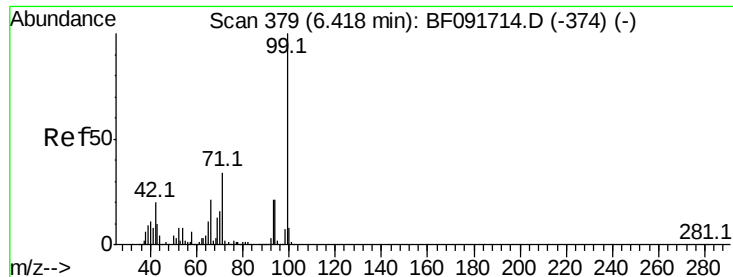
Acq: 20 Dec 2016 6:02

Tgt Ion:	112	Resp:	333006
Ion Ratio	Lower	Upper	
112	100		
64	65.2	46.1	69.1
63	32.4	23.8	35.6



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: 26.15 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

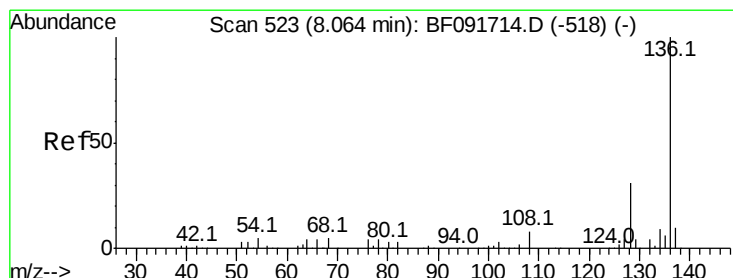
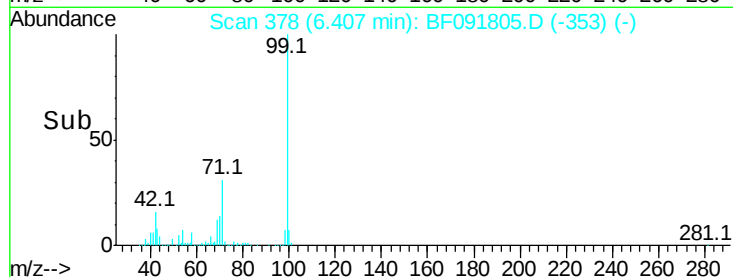
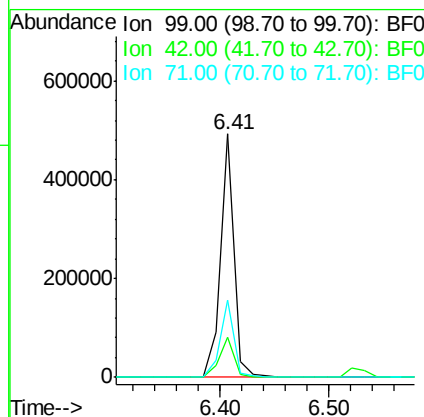
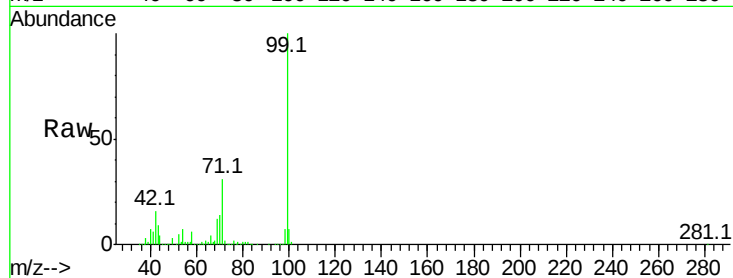
ClientSampleId :

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Tot Ion:	99	Resp:	434446
Ion	Ratio	Lower	Upper
99	100		
42	16.4	15.6	23.4
71	31.5	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

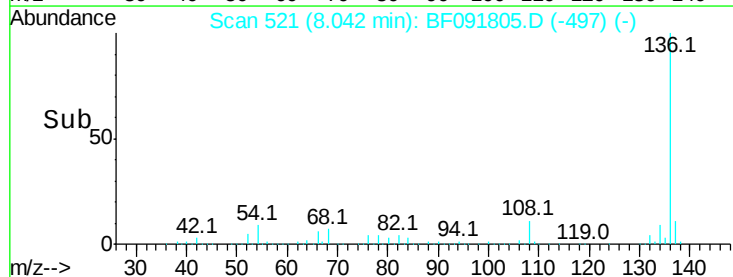
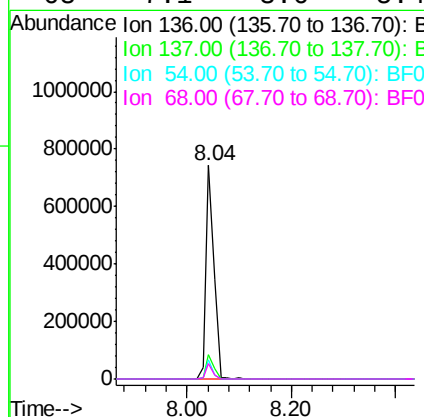
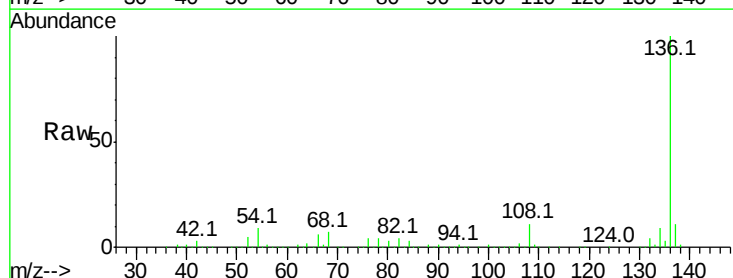
RT: 8.04 min Scan# 521

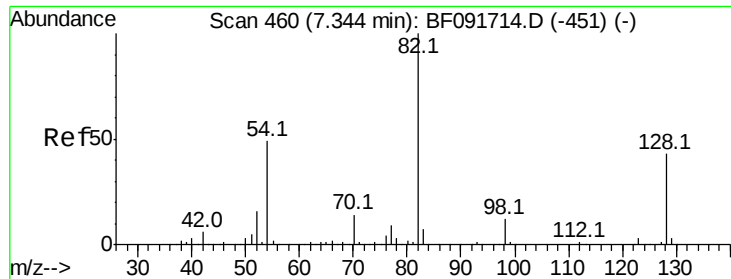
Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Tgt Ion:	136	Resp:	795141
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	9.2	4.5	6.7#
68	7.1	3.6	5.4#





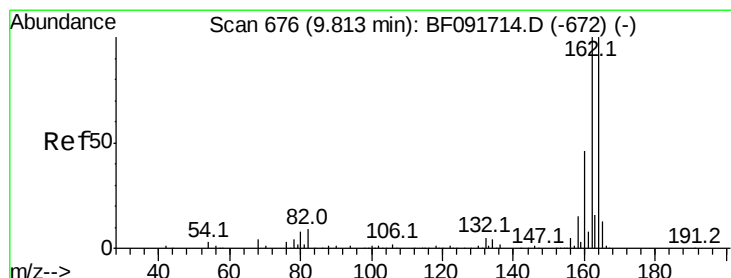
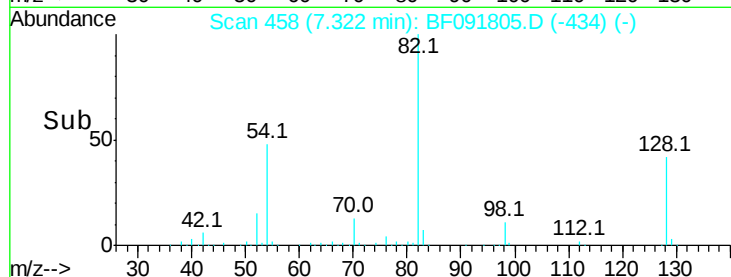
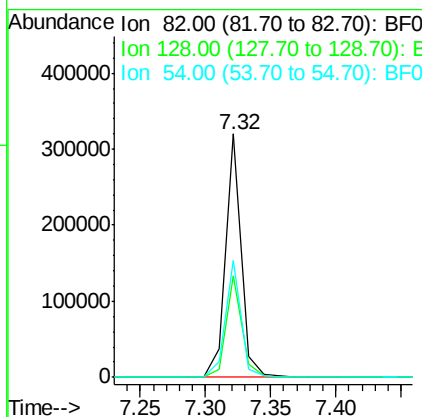
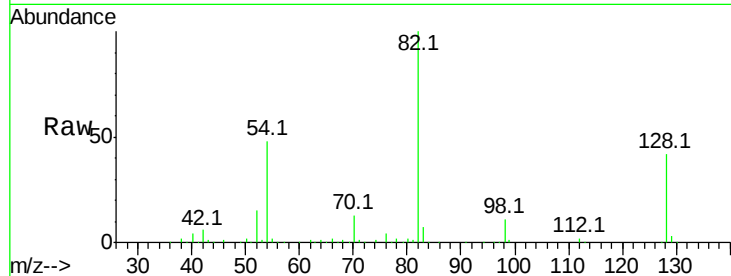
#23
 Nitrobenzene-d5
 Concen: 19.64 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	48.1	39.5	59.3

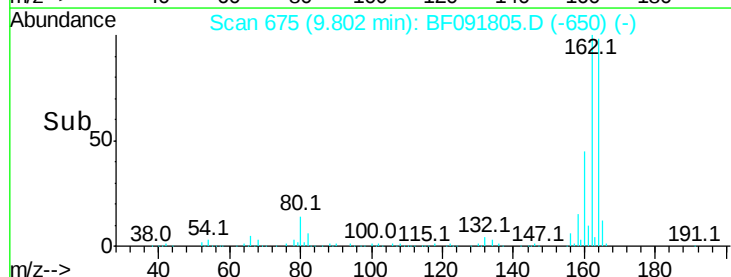
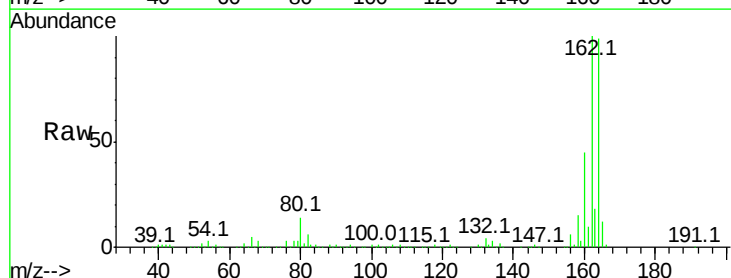
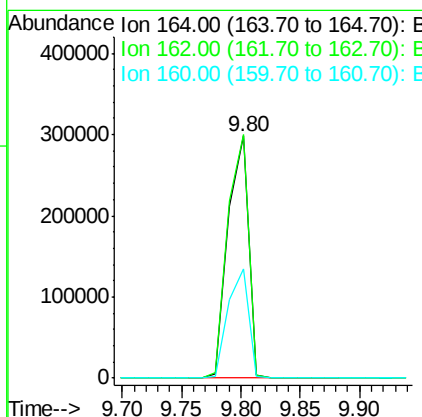
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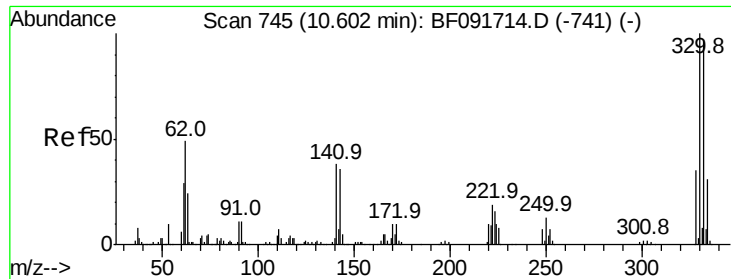
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.2	120.2
160	44.8	36.9	55.3





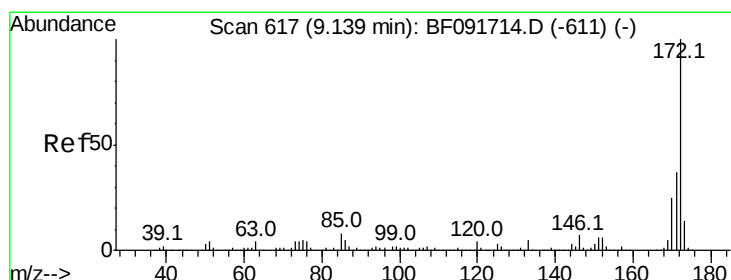
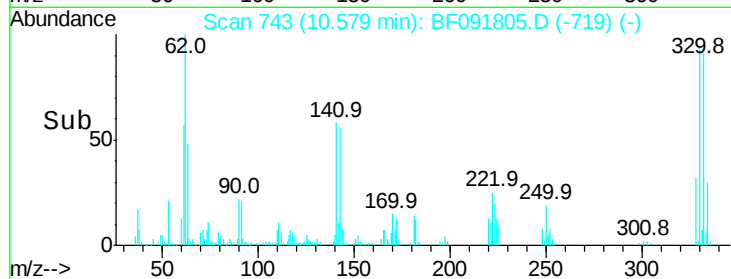
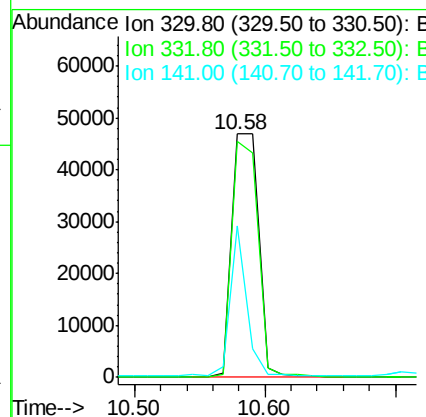
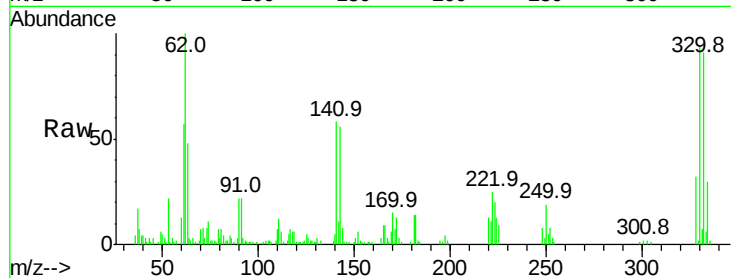
#41
 2,4,6-Tribromophenol
 Concen: 22.11 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion	Ratio	Resp	Lower	Upper
330	100	67162		
332	94.5		77.4	116.2
141	42.7		34.1	51.1

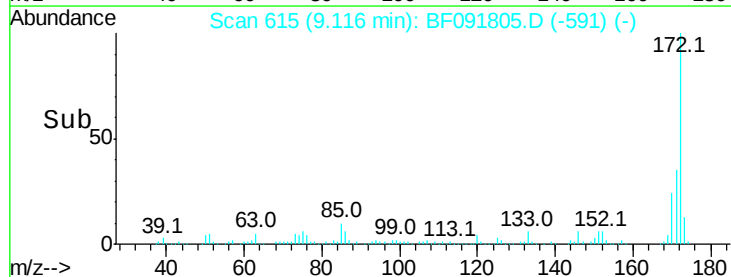
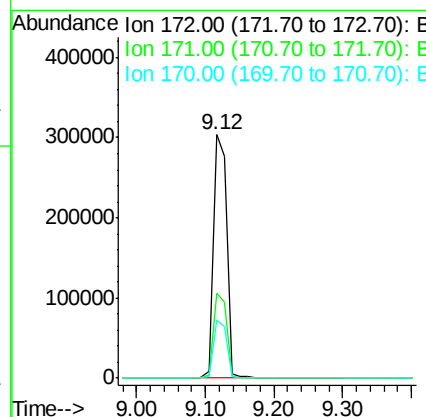
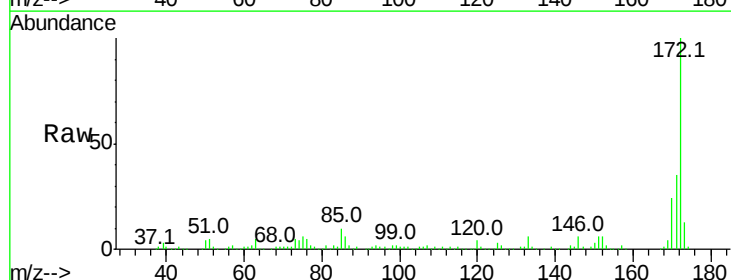
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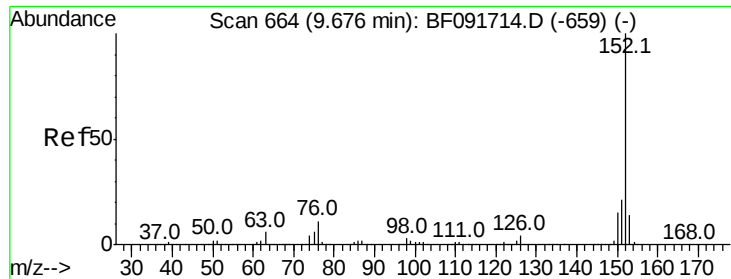
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#44
 2-Fluorobiphenyl
 Concen: 23.28 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	415121		
171	34.7		29.4	44.0
170	23.6		20.2	30.4





#48

Acenaphthylene

Concen: 2.12 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

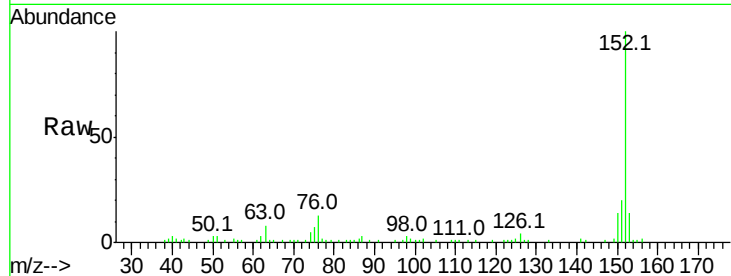
ClientSampleId :

TP12-2.5-3FT

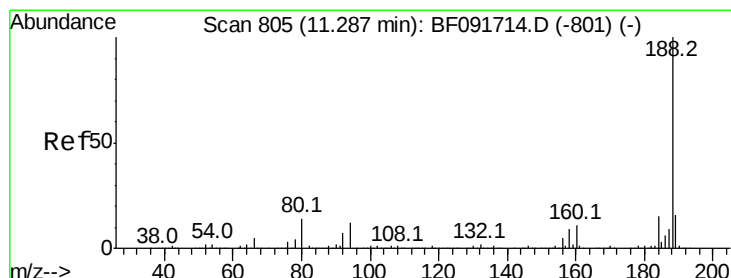
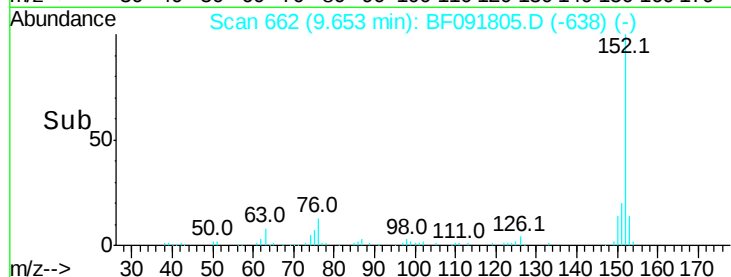
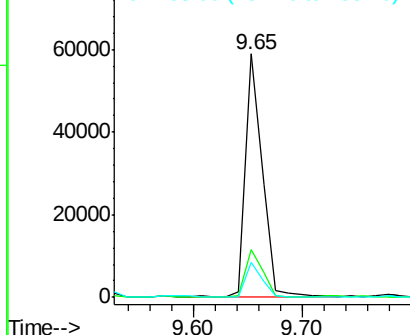
Tot Ion:	152	Resp:	63157
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.9	25.3
153	14.4	11.4	17.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

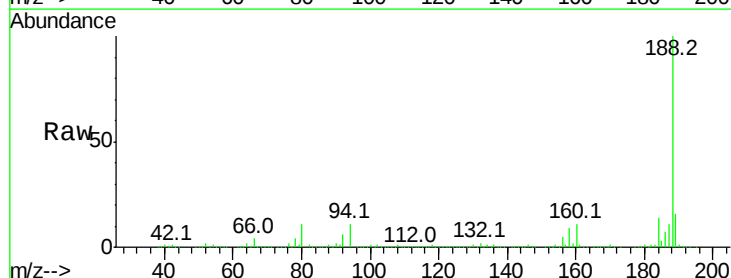
RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

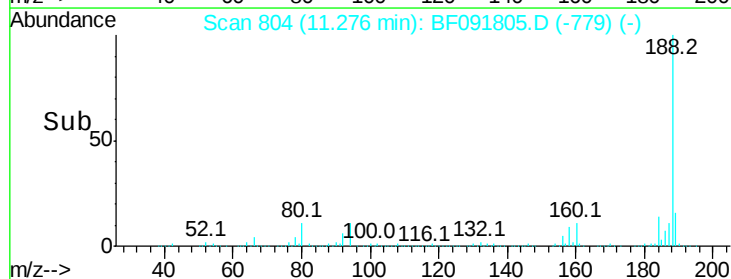
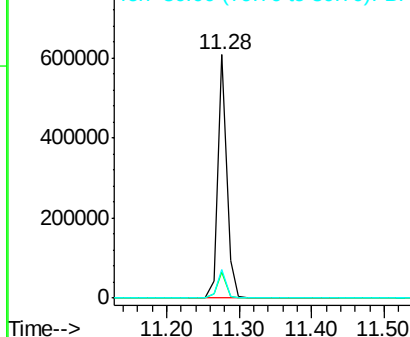
Lab File: BF091805.D

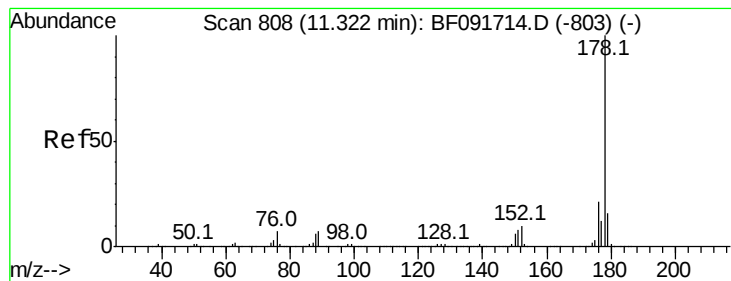
Acq: 20 Dec 2016 6:02

Tgt Ion:	188	Resp:	519087
Ion Ratio	Lower	Upper	
188	100		
94	10.8	10.0	15.0
80	11.5	11.2	16.8



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: 12.00 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

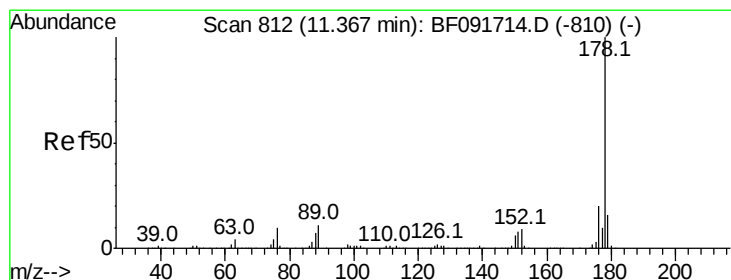
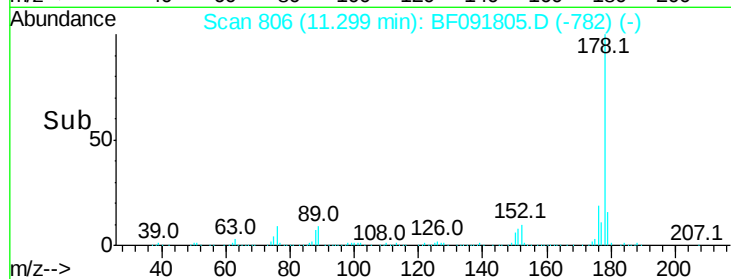
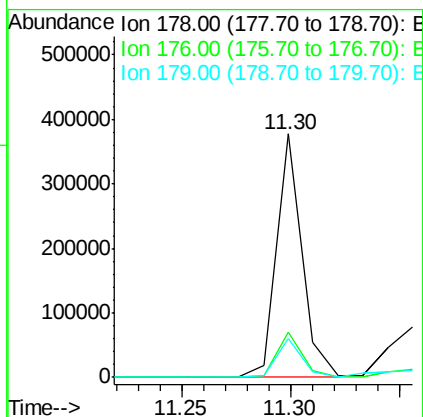
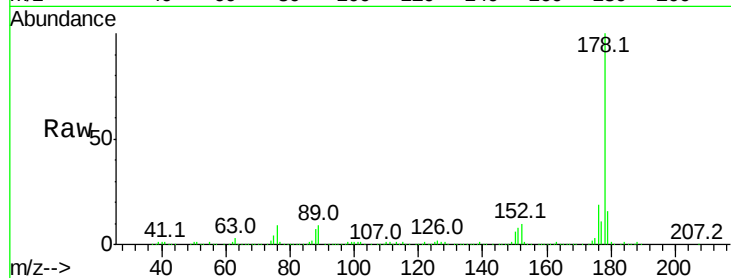
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	25.0
179	15.8	12.8	19.2

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#71

Anthracene

Concen: 3.33 ng

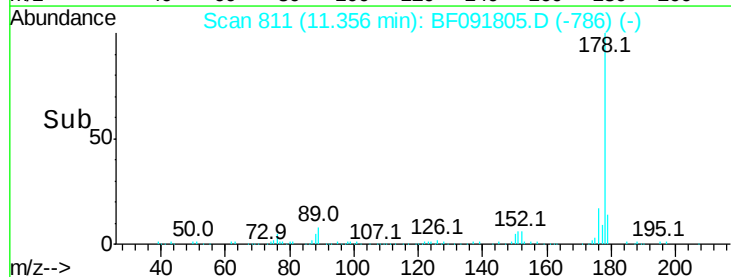
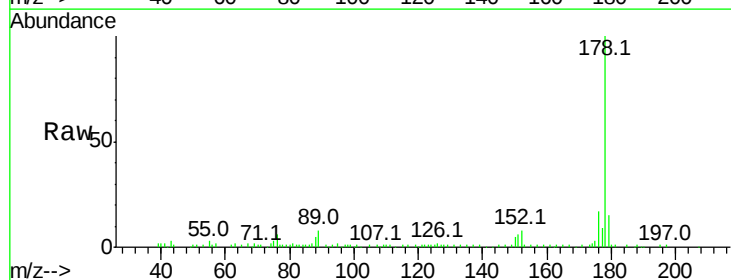
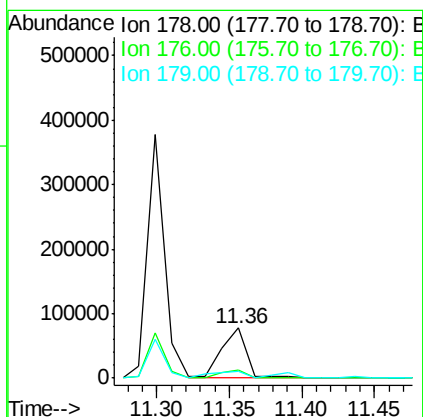
RT: 11.36 min Scan# 811

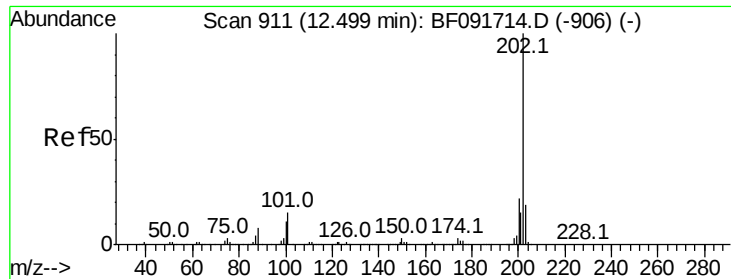
Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.9	23.9
179	14.9	13.2	19.8





#74

Fluoranthene

Concen: 18.22 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

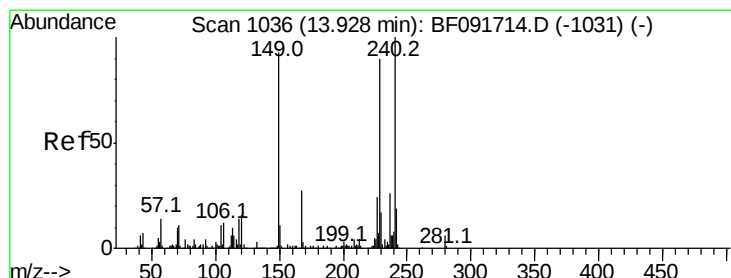
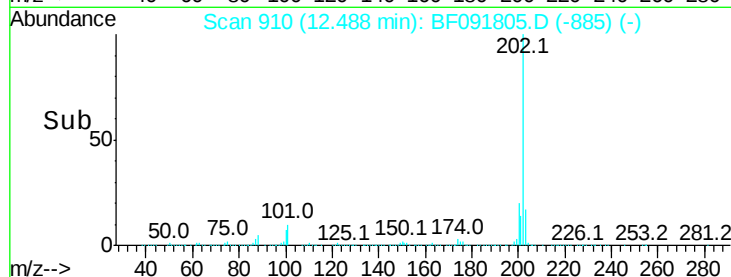
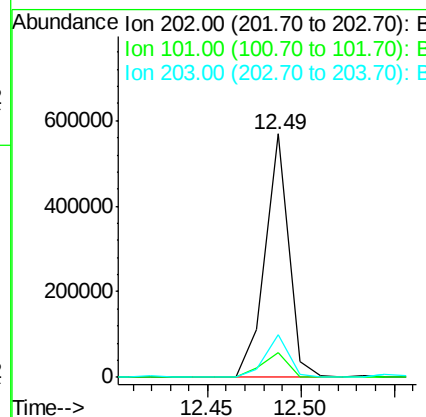
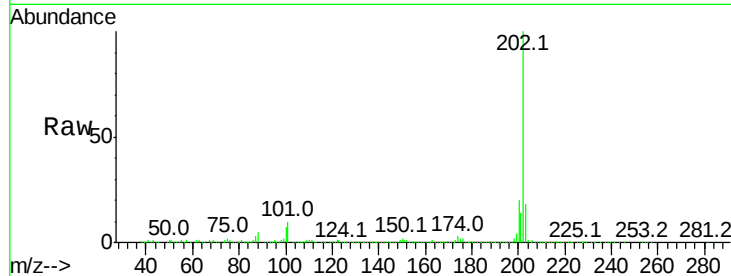
ClientSampleId :

TP12-2.5-3FT

Tot Ion:	202	Resp:	493649
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	34.6
203	17.6	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

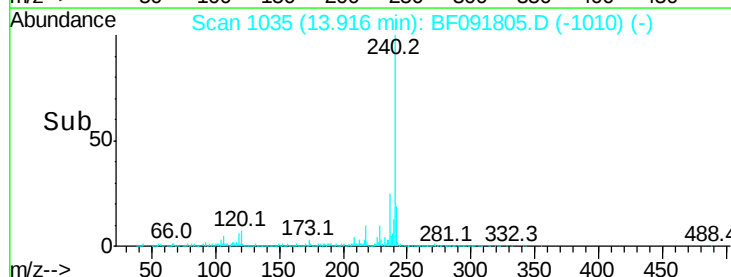
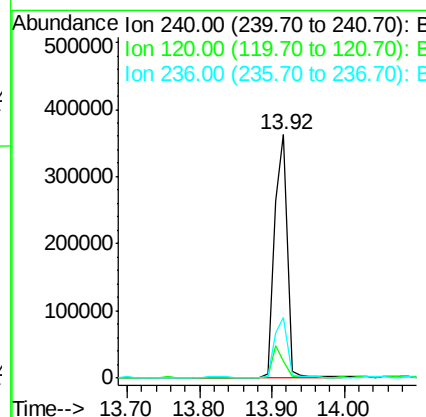
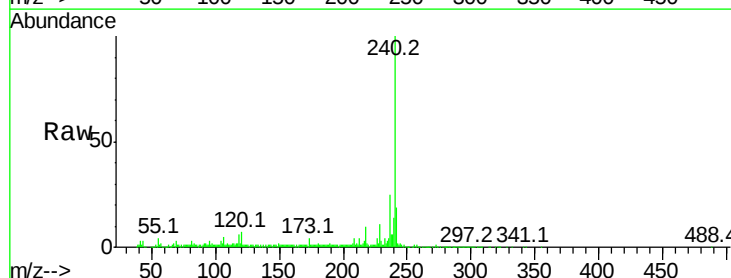
RT: 13.92 min Scan# 1035

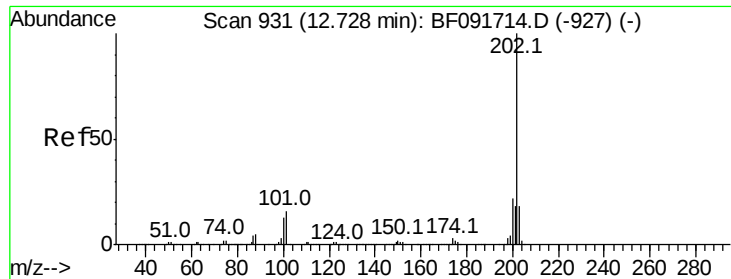
Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Tgt Ion:	240	Resp:	447362
Ion Ratio	Lower	Upper	
240	100		
120	7.1	12.9	19.3#
236	24.8	20.9	31.3





#77

Pvrene

Concen: 13.01 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Instrument :

BNA_F

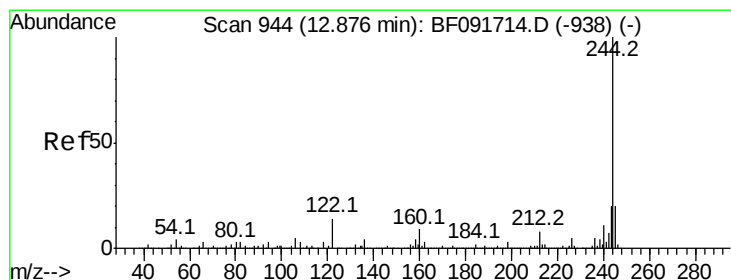
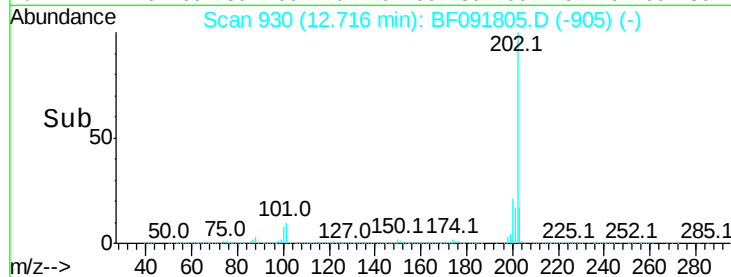
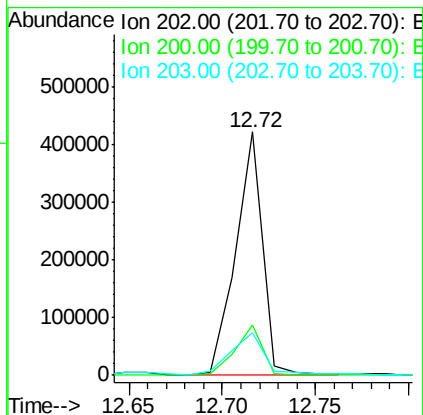
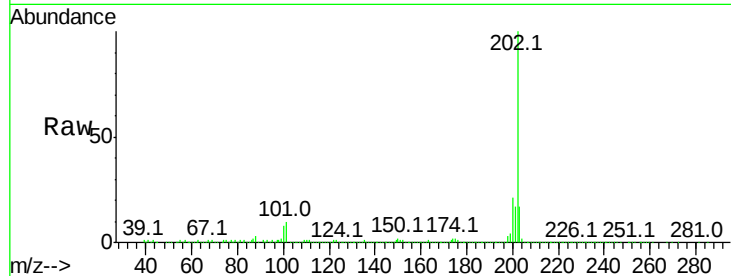
ClientSampleId :

TP12-2.5-3FT

Tot Ion:	202	Resp:	420188
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.7	26.5
203	17.3	14.7	22.1

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#78

Terphenyl-d14

Concen: 16.28 ng

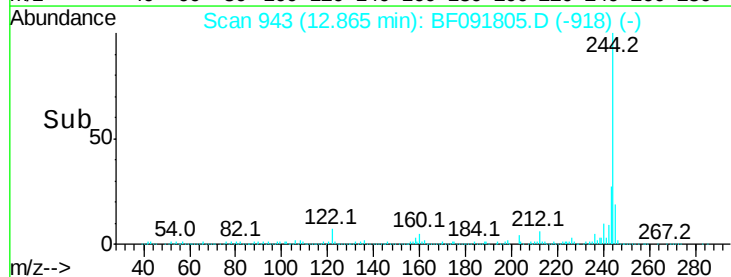
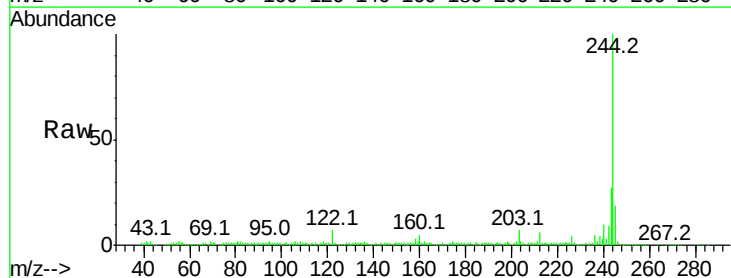
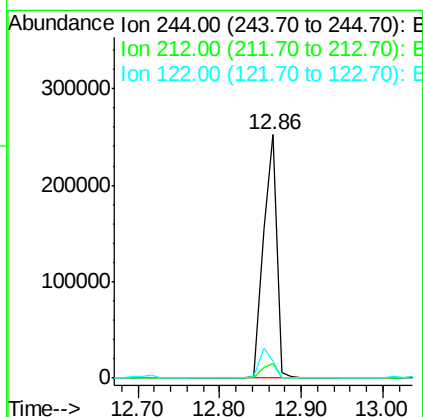
RT: 12.86 min Scan# 943

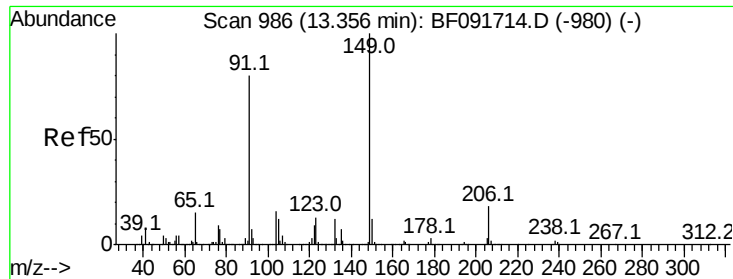
Delta R.T. -0.01 min

Lab File: BF091805.D

Acq: 20 Dec 2016 6:02

Tgt Ion:	244	Resp:	288520
Ion Ratio	Lower	Upper	
244	100		
212	6.2	6.2	9.2
122	7.2	11.4	17.2#





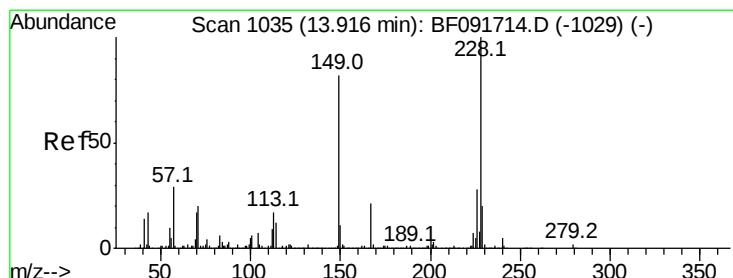
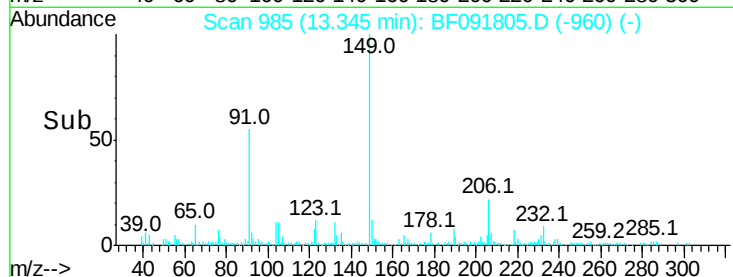
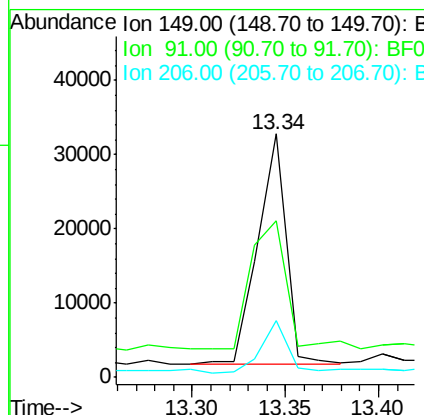
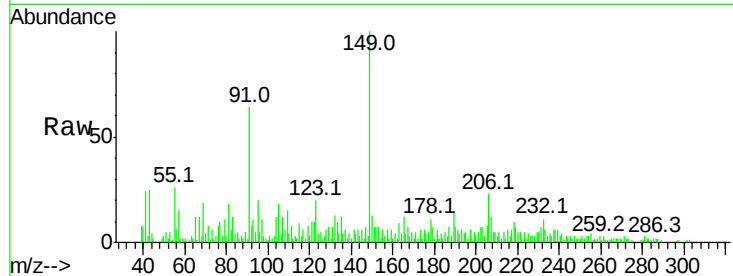
#79
Butylbenzylphthalate
Concen: 2.13 ng
RT: 13.34 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

Tot Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	64.4	63.9	95.9
206	23.1	14.6	21.8

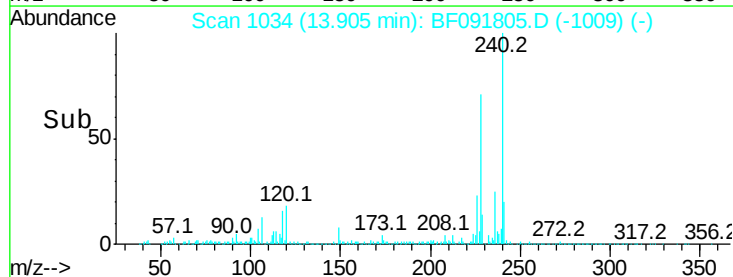
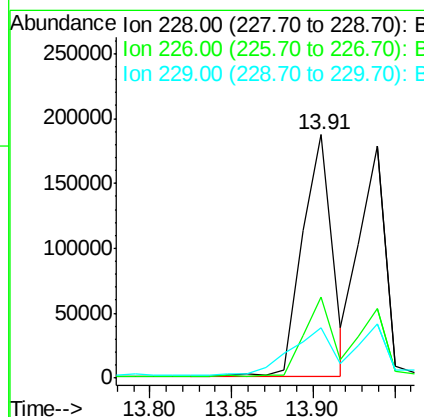
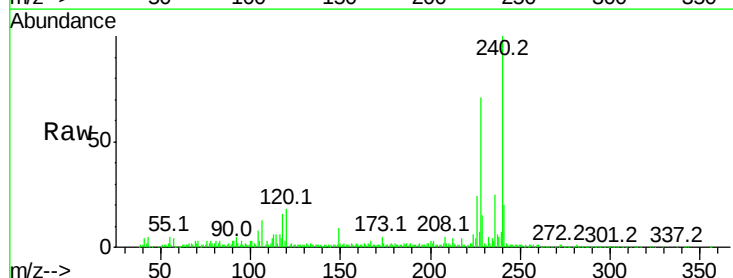
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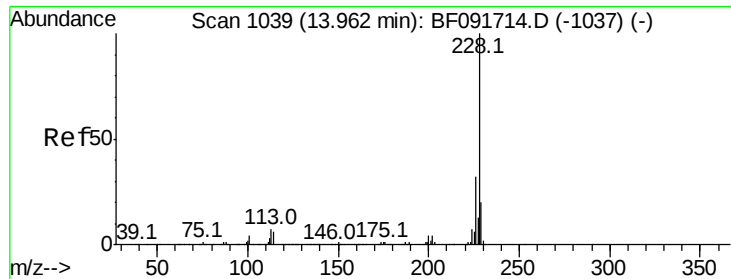
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#80
Benzo(a)anthracene
Concen: 9.32 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	33.2	22.4	33.6
229	20.8	16.2	24.4





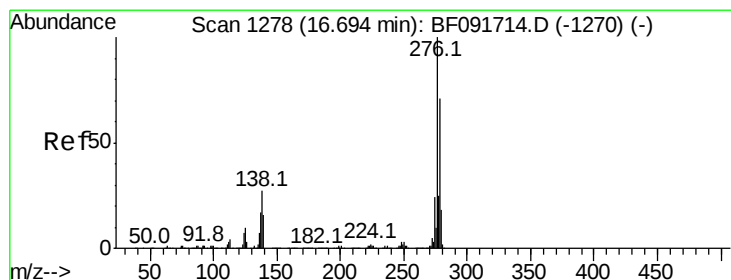
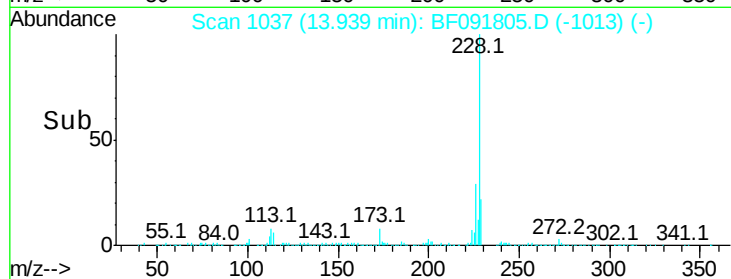
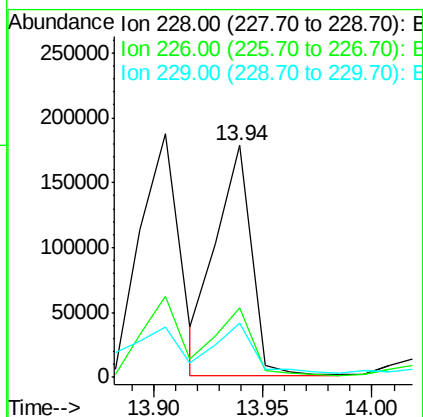
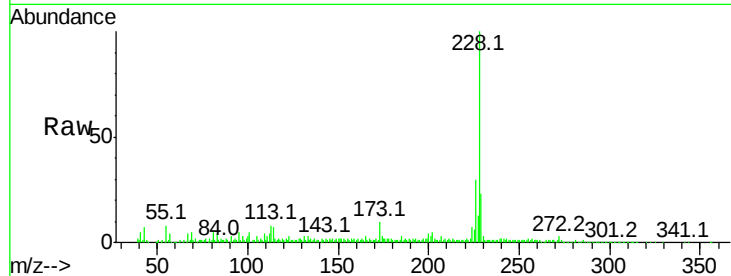
#82
Chrysene
Concen: 7.58 ng m
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

Tot Ion:	228	Resp:	200983
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.0
229	23.1	16.2	24.2

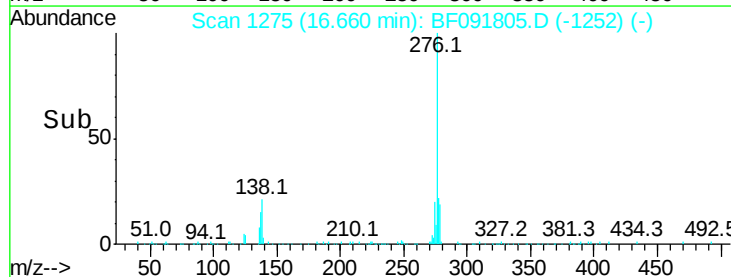
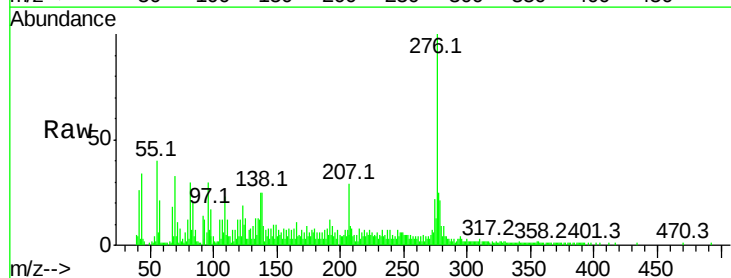
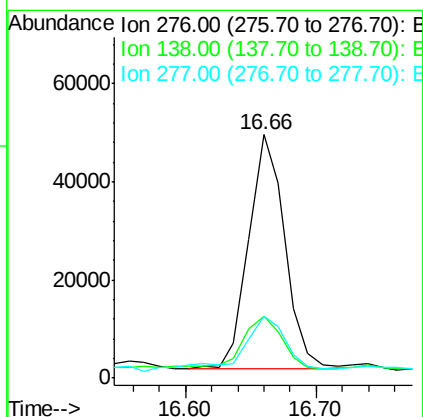
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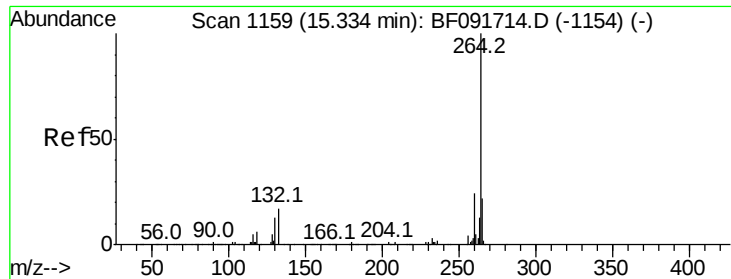
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Tgt Ion:	276	Resp:	91914
Ion Ratio	Lower	Upper	
276	100		
138	25.3	21.8	32.6
277	28.1	20.2	30.4





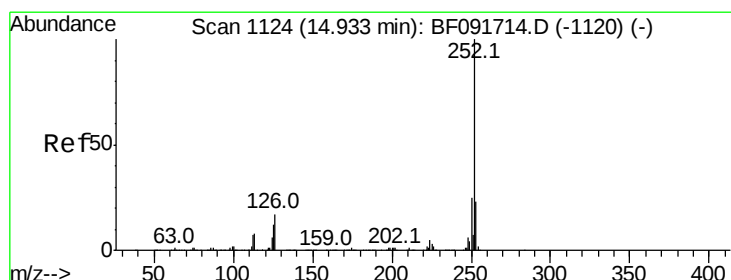
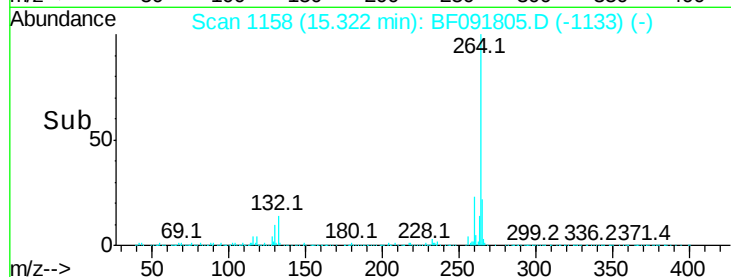
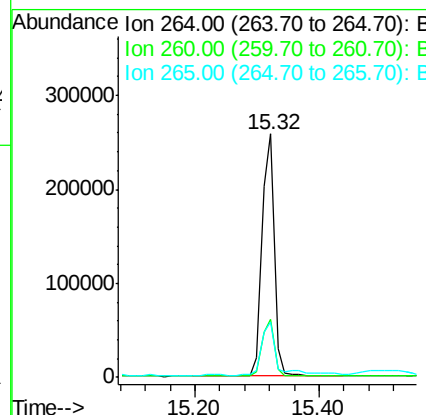
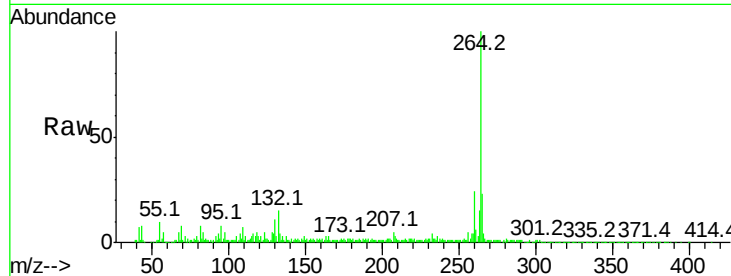
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.6	17.4	26.0

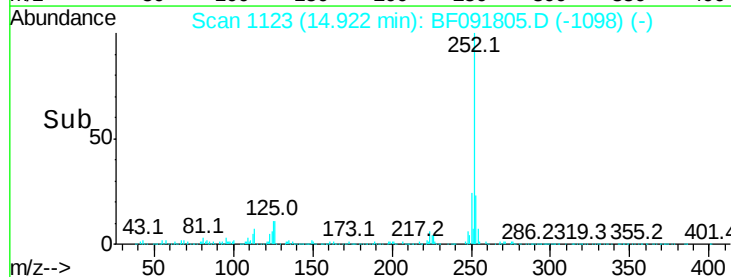
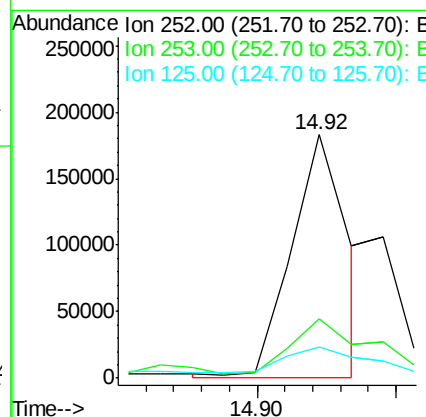
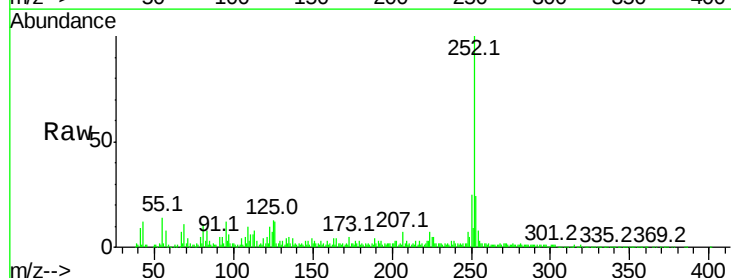
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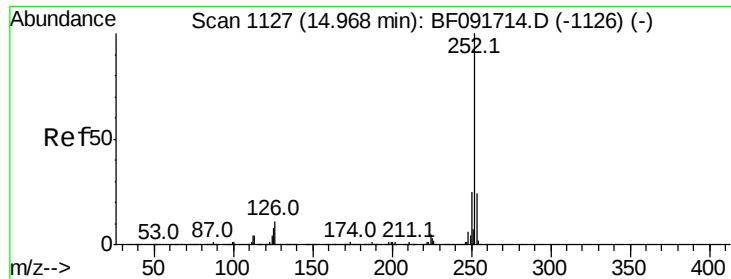
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#87
Benzo(b)fluoranthene
Concen: 11.22 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	18.2	27.4
125	13.0	9.8	14.6





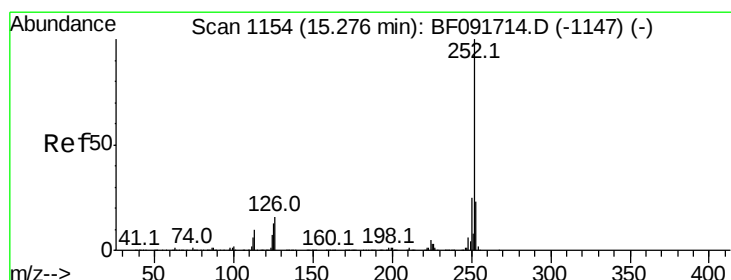
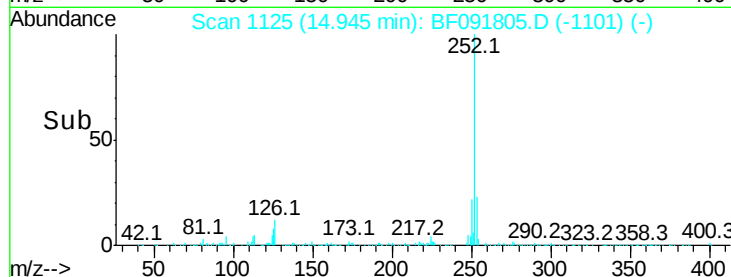
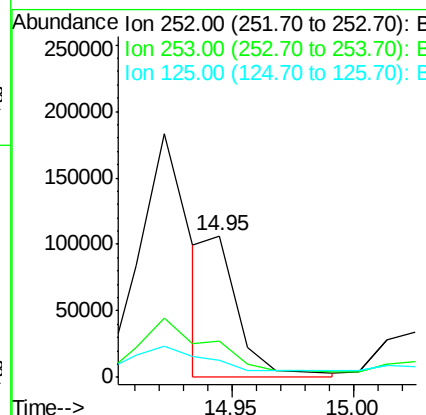
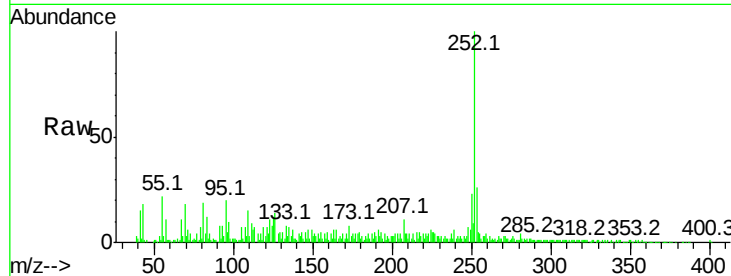
#88
Benzo(k)fluoranthene
Concen: 6.07 ng/ml
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.5	27.7
125	12.0	8.9	13.3

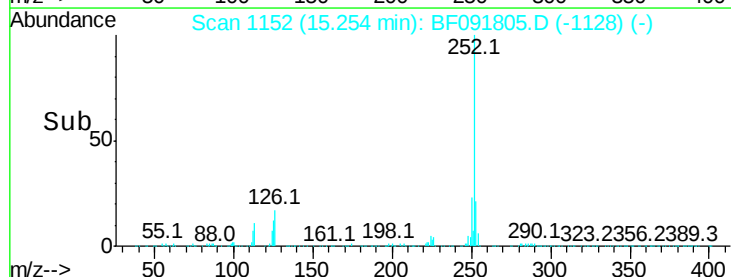
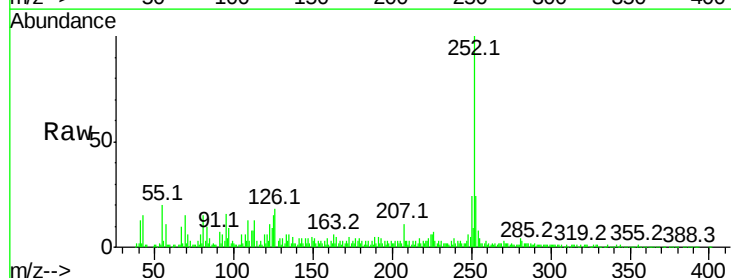
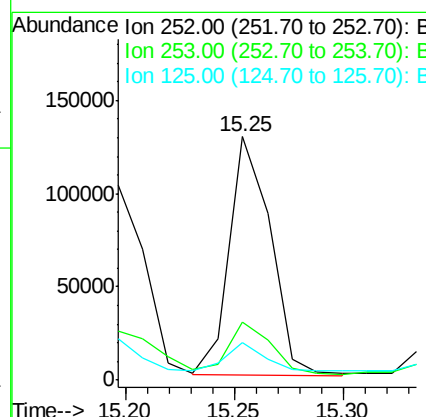
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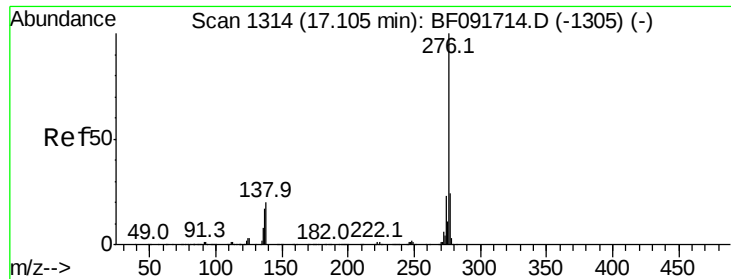
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#89
Benzo(a)pyrene
Concen: 8.61 ng/ml
RT: 15.25 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF091805.D
Acq: 20 Dec 2016 6:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	15.3	10.0	15.0#





#91
 Benzo(a,h,i)perylene
 Concen: 5.60 ng
 RT: 17.07 min Scan# 1311
 Delta R.T. -0.03 min
 Lab File: BF091805.D
 Acq: 20 Dec 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	22.8	16.0	24.0

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