

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090445.D
 Acq On : 7 Oct 2016 14:55
 Operator : UM/SJ
 Sample : H5085-02DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)DL

Manual Integrations
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Quant Time: Oct 07 16:06:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	220344	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	949536	20.00	ng	-0.02
38) Acenaphthene-d10	10.04	164	552861	20.00	ng	-0.01
63) Phenanthrene-d10	11.53	188	858326	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	639556	20.00	ng	-0.02
86) Perylene-d12	15.68	264	473056	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	386589	26.18	ng	-0.02
7) Phenol-d6	6.60	99	545329	28.20	ng	-0.02
23) Nitrobenzene-d5	7.54	82	304880	15.62	ng	-0.03
41) 2,4,6-Tribromophenol	10.83	330	104984	23.35	ng	-0.02
44) 2-Fluorobiphenyl	9.35	172	556030	16.76	ng	-0.02
78) Terphenyl-d14	13.12	244	521363	18.33	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	181375	5.12	ng	Qvalue # 96
70) Phenanthrene	11.55	178	625465	14.23	ng	97
71) Anthracene	11.61	178	147055	3.28	ng	96
74) Fluoranthene	12.75	202	1049987	24.36	ng	90
77) Pyrene	12.98	202	1174137	27.53	ng	98
80) Benzo(a)anthracene	14.17	228	473389m	13.19	ng	
82) Chrysene	14.20	228	414581m	12.55	ng	
85) Indeno(1,2,3-cd)pyrene	17.17	276	165133	7.01	ng	98
87) Benzo(b)fluoranthene	15.23	252	369403m	12.26	ng	
88) Benzo(k)fluoranthene	15.24	252	160223m	5.66	ng	
89) Benzo(a)pyrene	15.61	252	297426	11.45	ng	99
91) Benzo(g,h,i)perylene	17.62	276	165621	7.81	ng	# 93

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

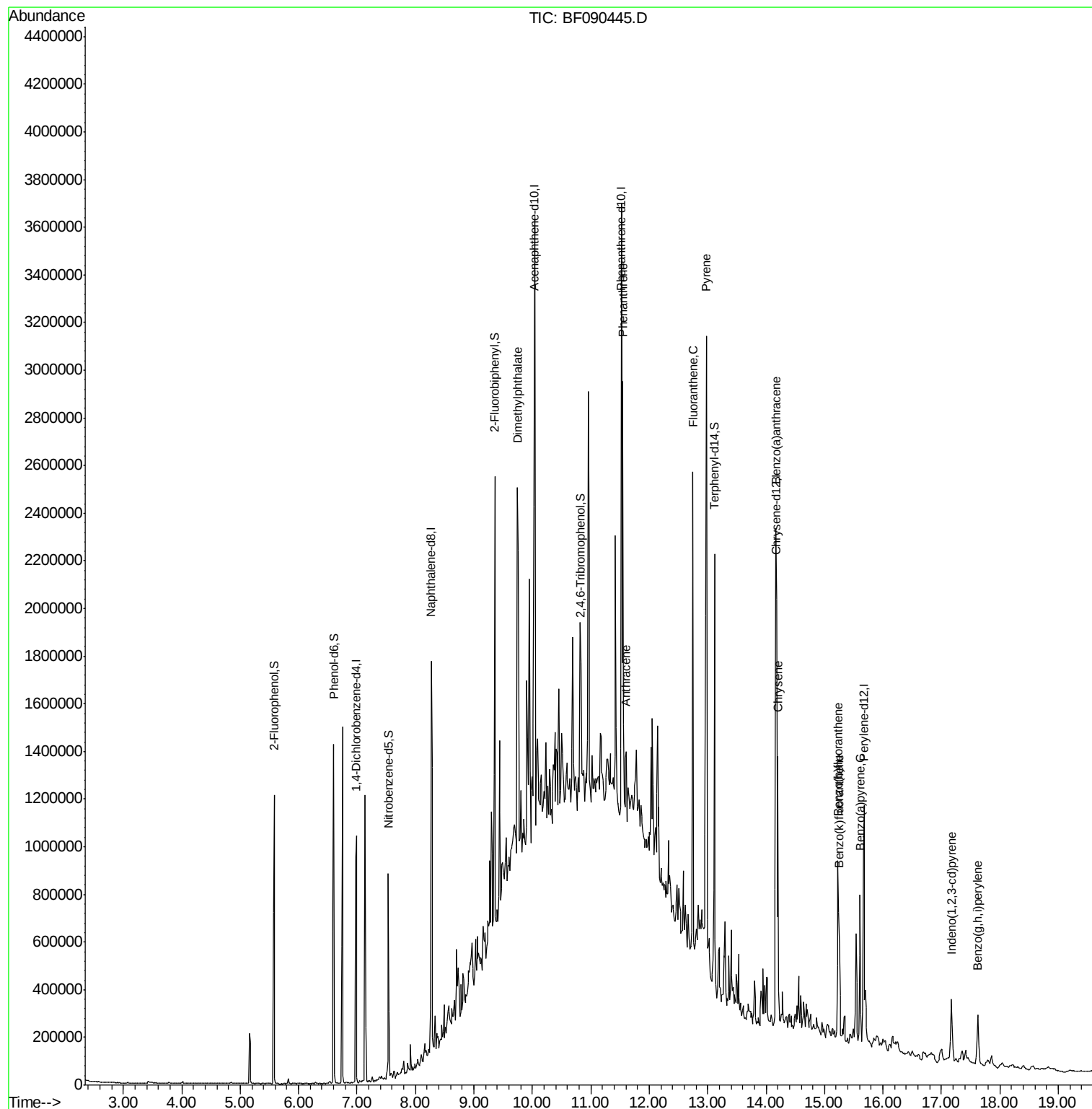
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
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ALS Vial : 9 Sample Multiplier: 1

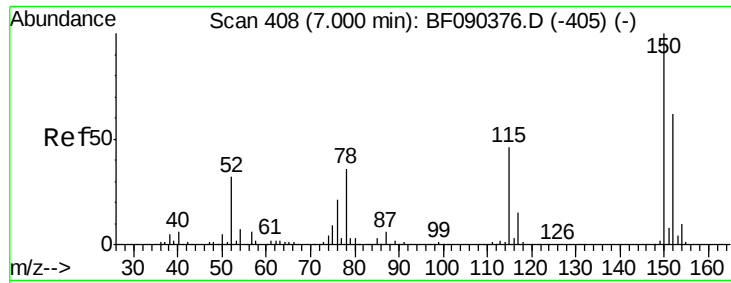
Instrument :
BNA_F
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CHA-STA-1698-D(0-2)DL

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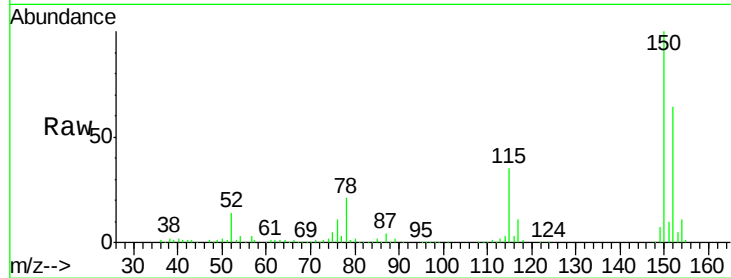
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.99 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)DL

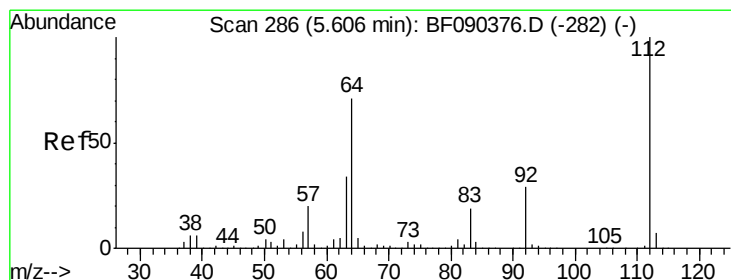
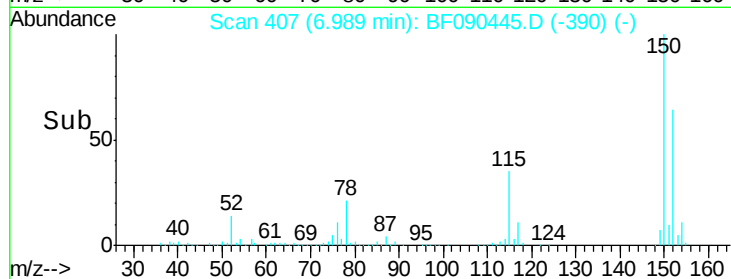
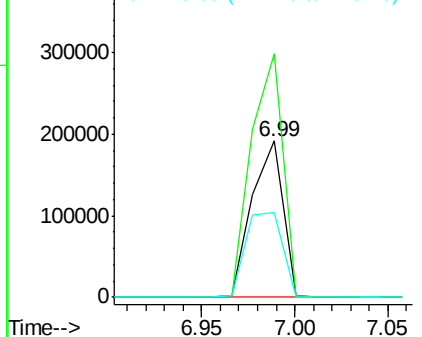
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	54.3	46.2	69.4

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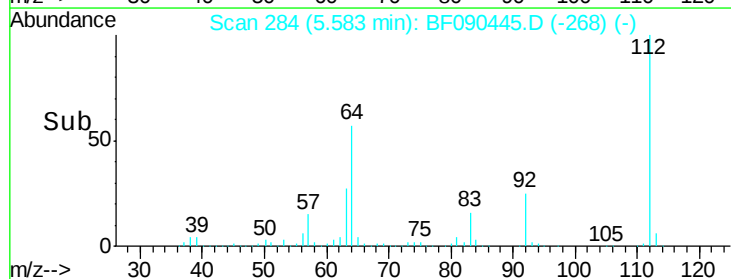
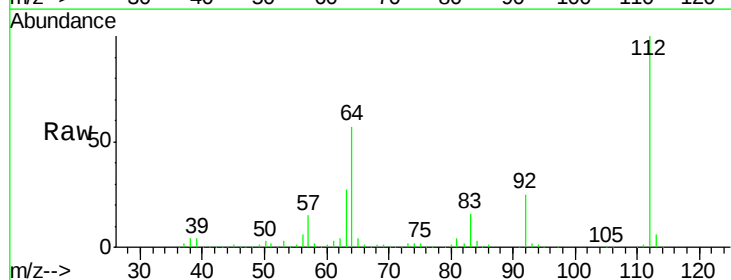
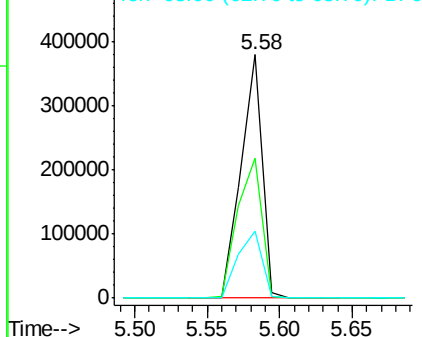
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

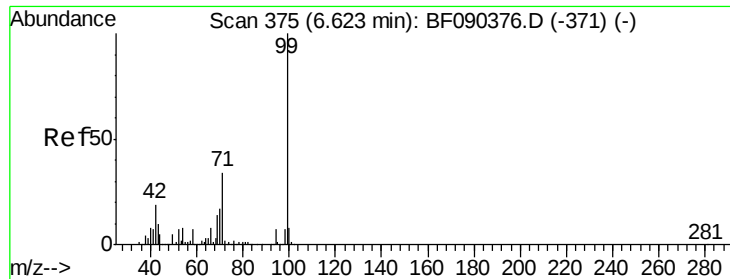


#5
 2-Fluorophenol
 Concen: 26.18 ng
 RT: 5.58 min Scan# 284
 Delta R.T. -0.02 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	57.9	86.9#
63	27.3	29.6	44.4#

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: 28.20 ng

RT: 6.60 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

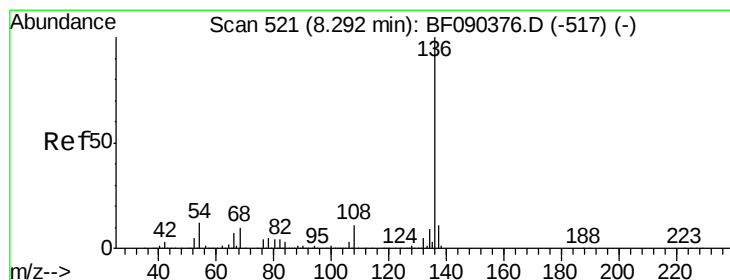
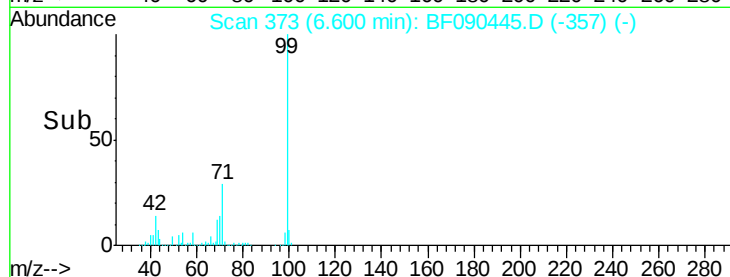
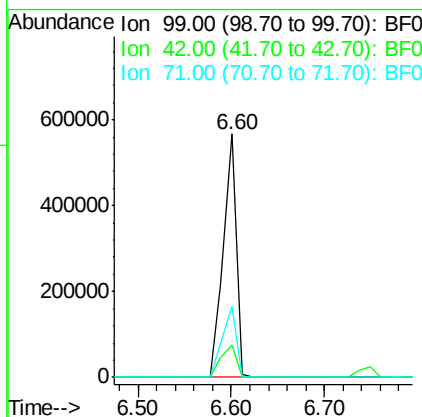
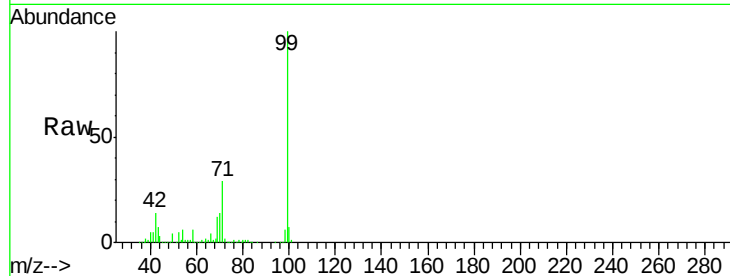
ClientSampleId :

CHA-STA-1698-D(0-2)DL

Tgt Ion:	99	Resp:	545329
Ion Ratio	Lower	Upper	
99	100		
42	13.5	20.0	30.0#
71	29.3	27.9	41.9

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#21

Naphthalene-d8

Concen: 20.00 ng

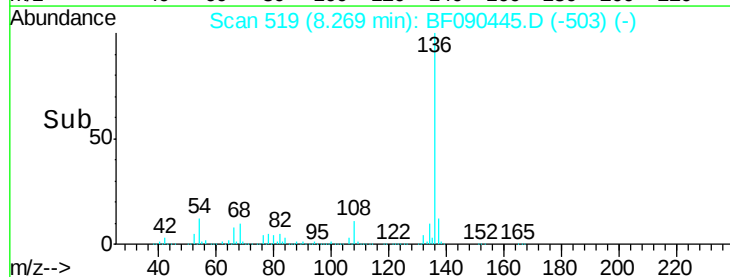
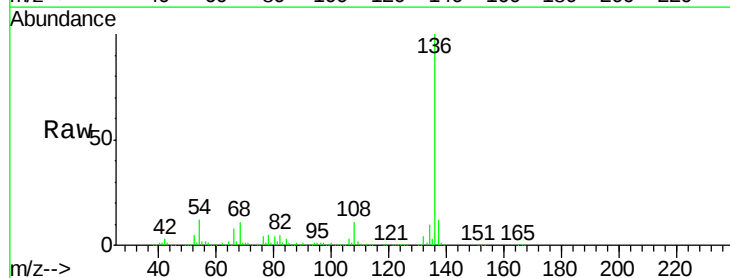
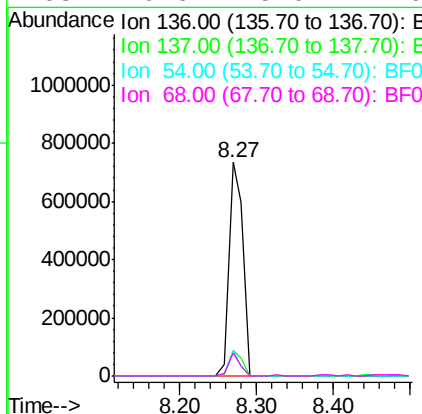
RT: 8.27 min Scan# 519

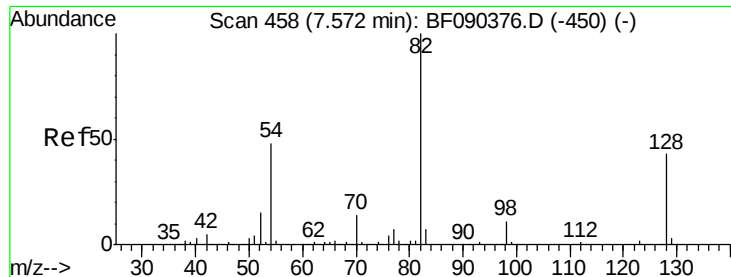
Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:	136	Resp:	949536
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.0	13.6
54	12.3	6.6	10.0#
68	10.6	5.0	7.6#





#23

Nitrobenzene-d5

Concen: 15.62 ng

RT: 7.54 min Scan# 455

Delta R.T. -0.03 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

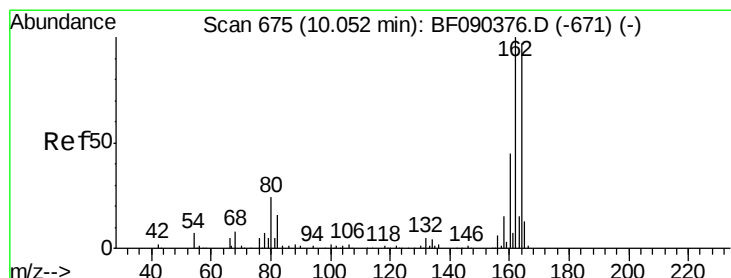
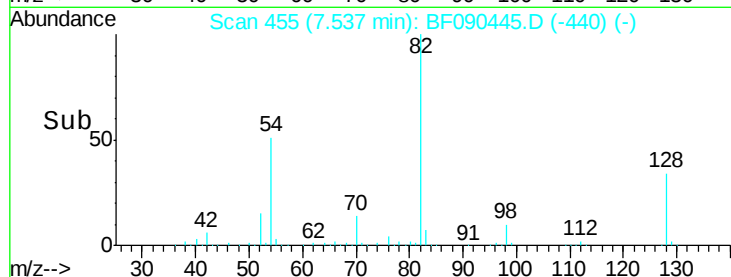
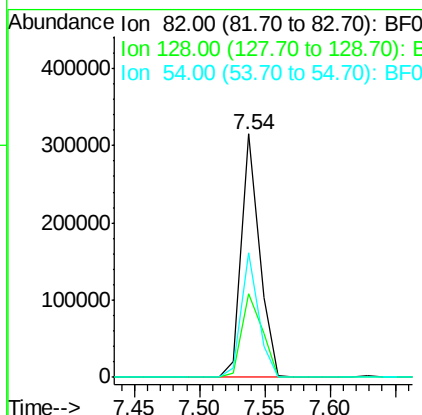
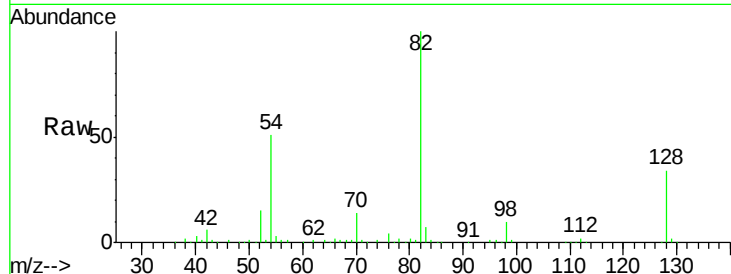
ClientSampleId :

CHA-STA-1698-D(0-2)DL

Tgt Ion:	82	Resp:	304880
Ion Ratio		Lower	Upper
82	100		
128	34.3	40.0	60.0#
54	51.1	42.6	64.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

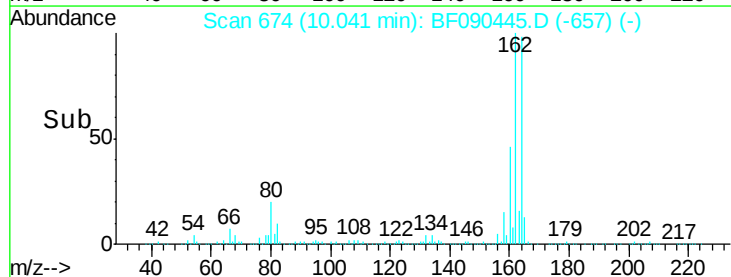
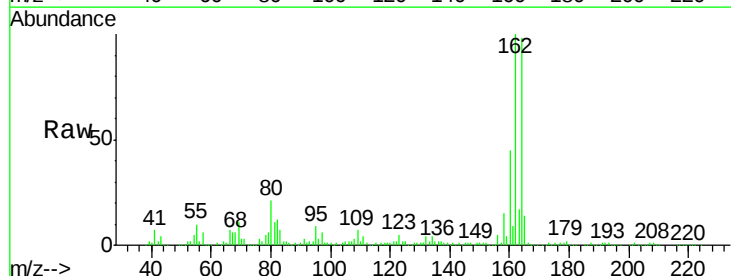
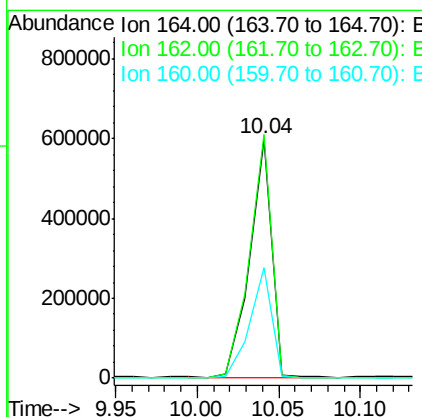
RT: 10.04 min Scan# 674

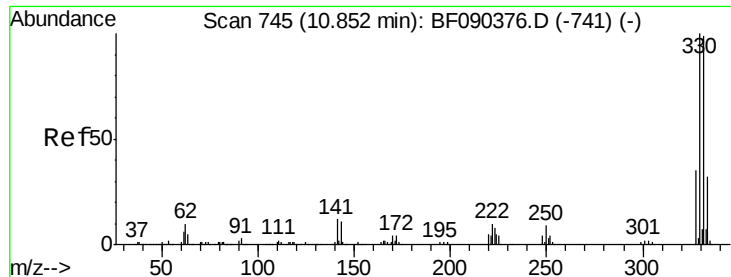
Delta R.T. -0.01 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:	164	Resp:	552861
Ion Ratio		Lower	Upper
164	100		
162	102.1	80.1	120.1
160	46.4	36.3	54.5





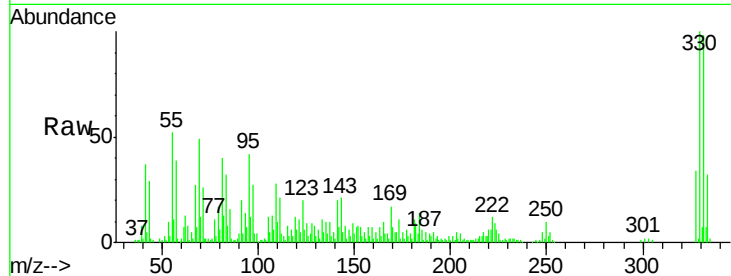
#41
 2,4,6-Tribromophenol
 Concen: 23.35 ng
 RT: 10.83 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)DL

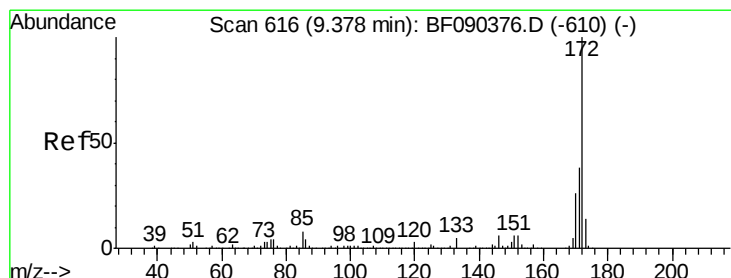
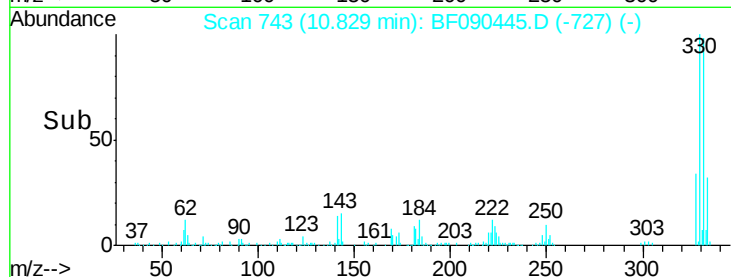
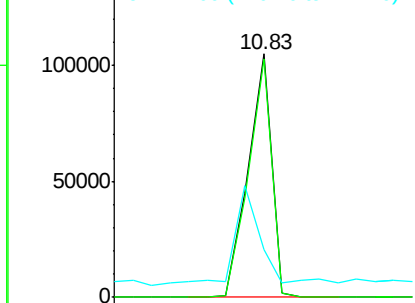
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	104984		
332	96.7	75.4	113.0	
141	43.7	26.9	40.3#	

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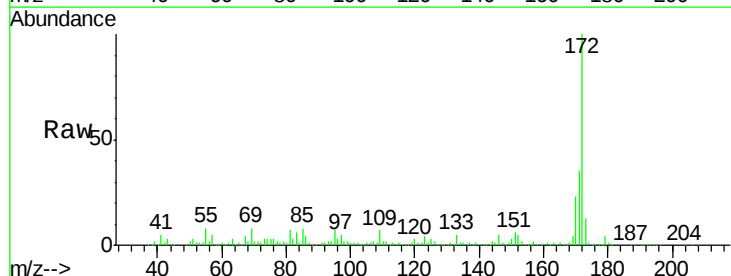


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

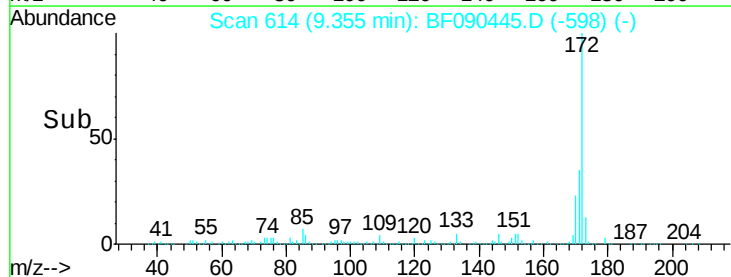
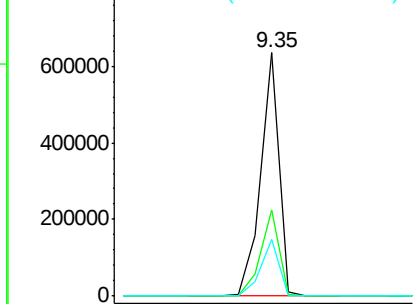


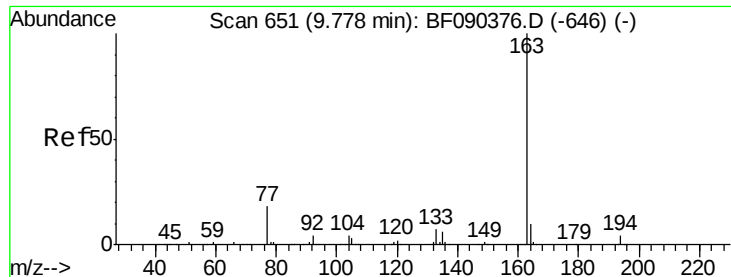
#44
 2-Fluorobiphenyl
 Concen: 16.76 ng
 RT: 9.35 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	556030		
171	35.2	31.8	47.8	
170	23.5	21.7	32.5	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





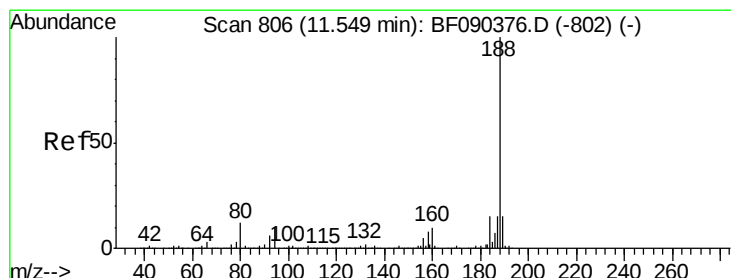
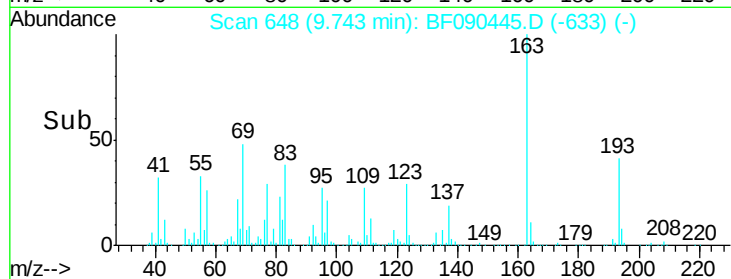
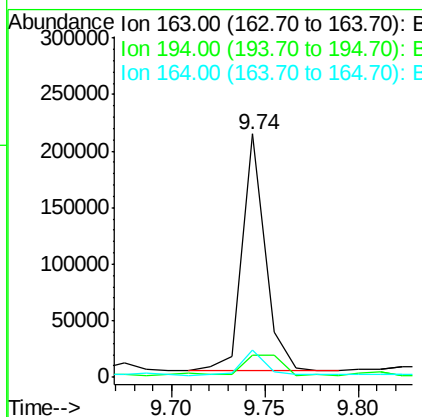
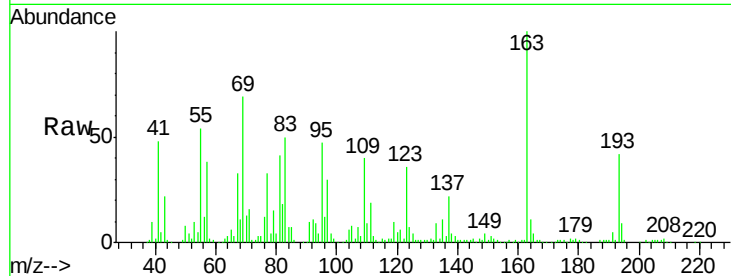
#49
Dimethylphthalate
Concen: 5.12 ng
RT: 9.74 min Scan# 648
Delta R.T. -0.03 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	181375		
194	9.3	2.8	4.2#	
164	11.2	9.0	13.4	

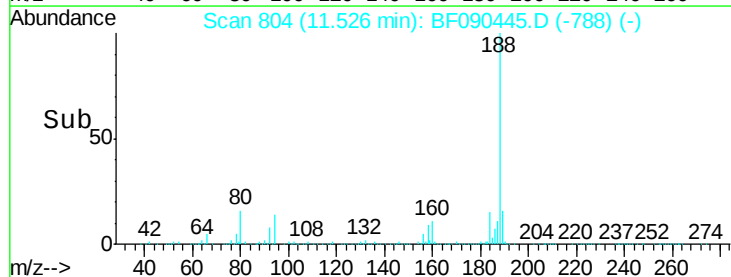
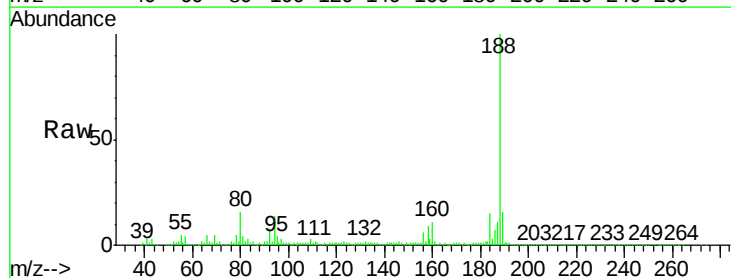
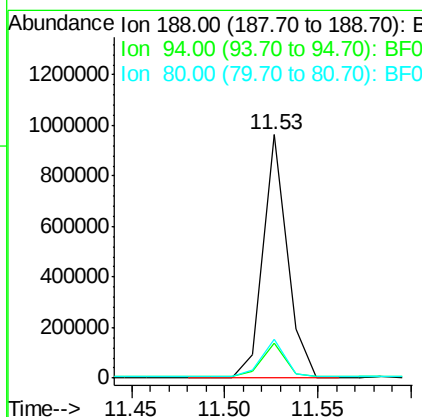
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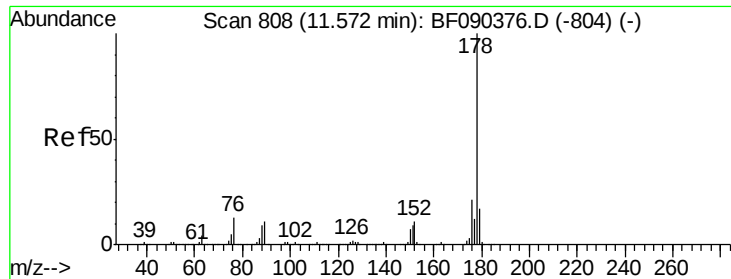
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.53 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	858326		
94	14.3	8.2	12.2#	
80	16.0	8.8	13.2#	





#70

Phenanthrene

Concen: 14.23 ng

RT: 11.55 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

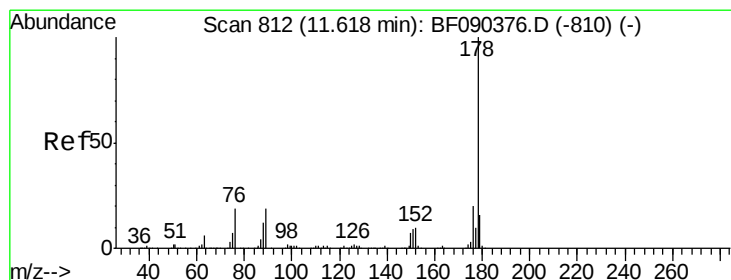
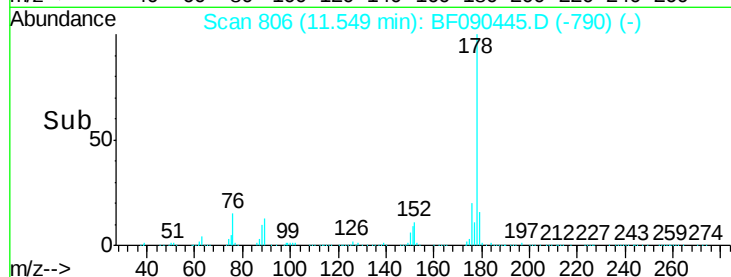
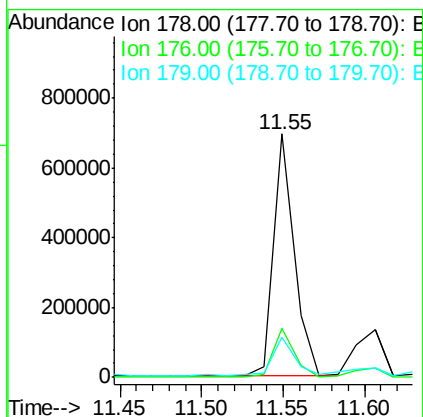
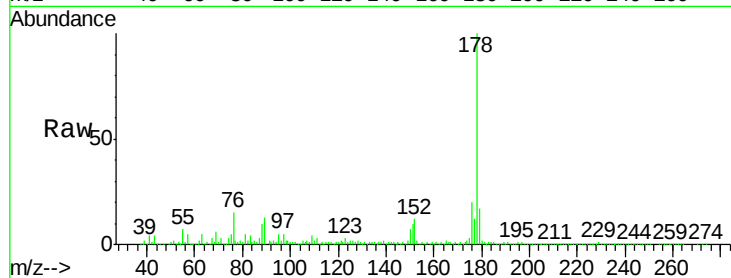
ClientSampleId :

CHA-STA-1698-D(0-2)DL

Tgt Ion:	178	Resp:	625465
Ion Ratio	Lower	Upper	
178	100		
176	19.9	17.3	25.9
179	16.6	13.8	20.6

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#71

Anthracene

Concen: 3.28 ng

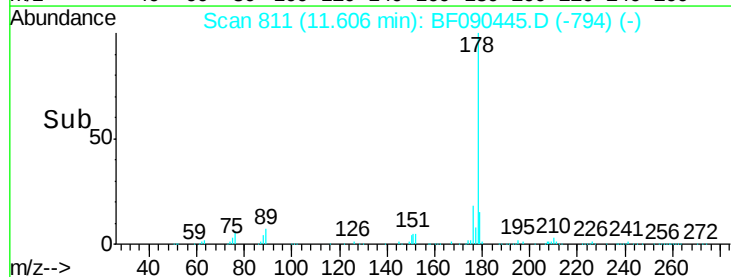
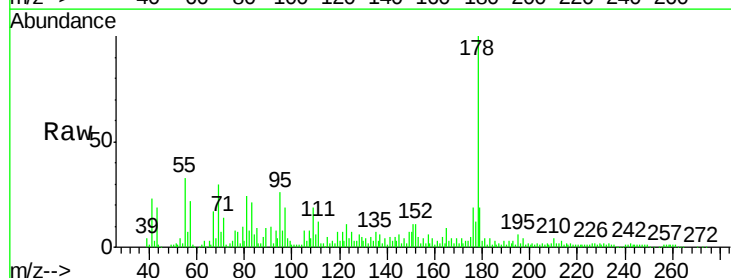
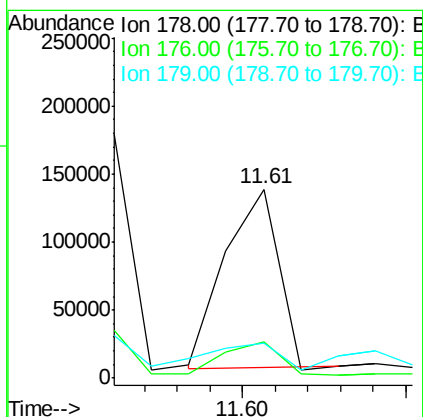
RT: 11.61 min Scan# 811

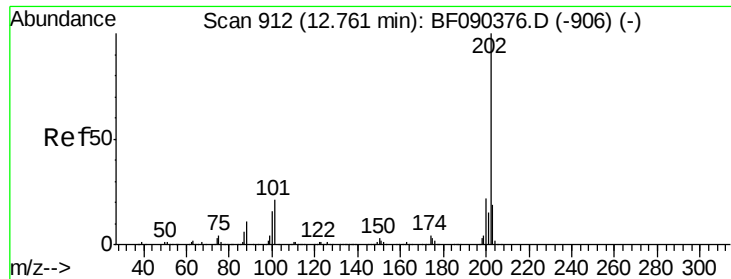
Delta R.T. -0.01 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:	178	Resp:	147055
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.8	25.2
179	18.8	13.4	20.2





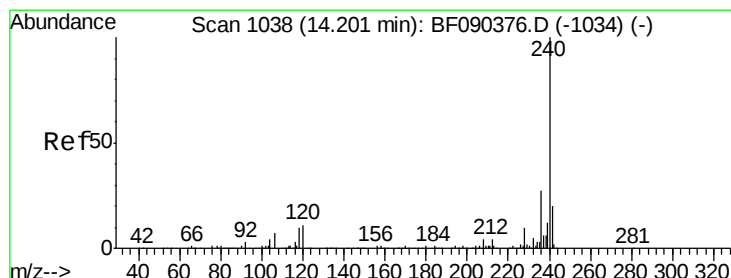
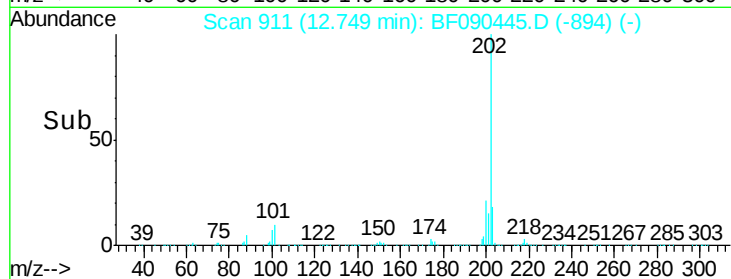
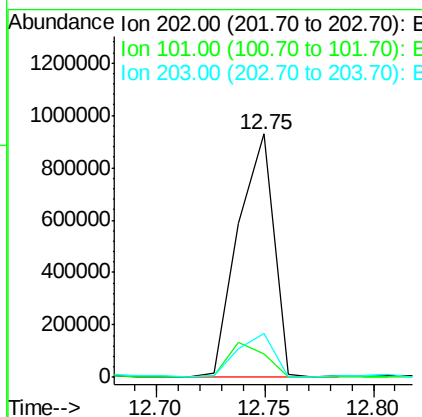
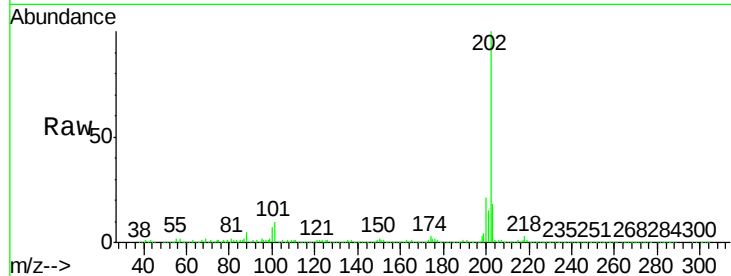
#74
 Fluoranthene
 Concen: 24.36 ng
 RT: 12.75 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1049987		
101	9.7	0.0	37.2	
203	17.9	0.0	39.3	

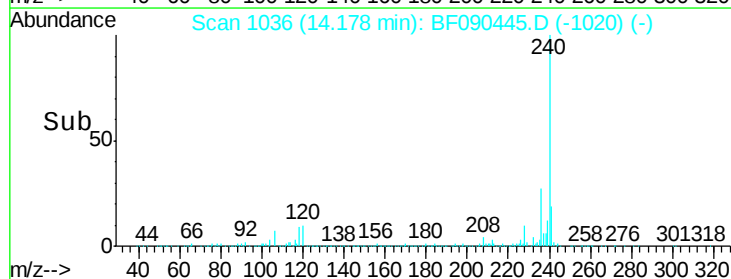
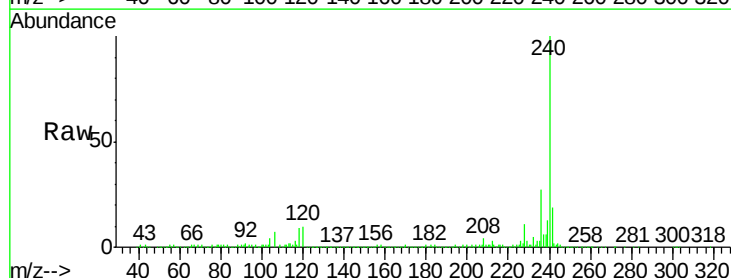
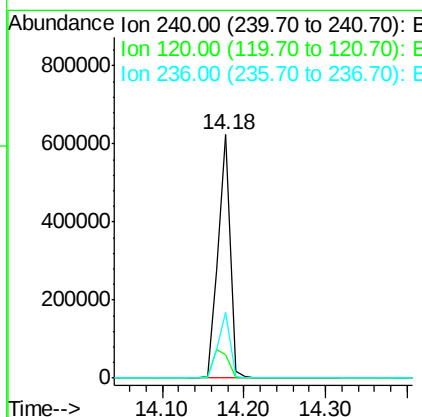
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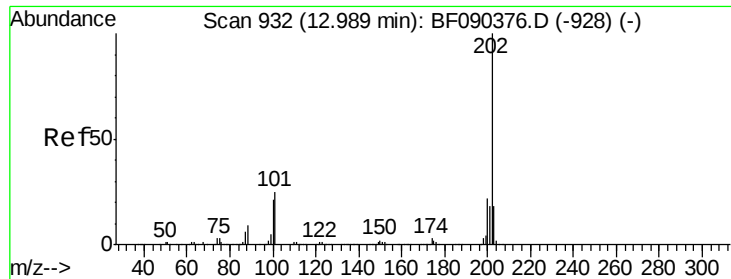
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.18 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	639556		
120	9.7	8.6	13.0	
236	27.2	21.6	32.4	





#77

Pyrene

Concen: 27.53 ng

RT: 12.98 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)DL

Tgt Ion:202 Resp: 1174137

Ion Ratio Lower Upper

202 100

200 21.8 18.5 27.7

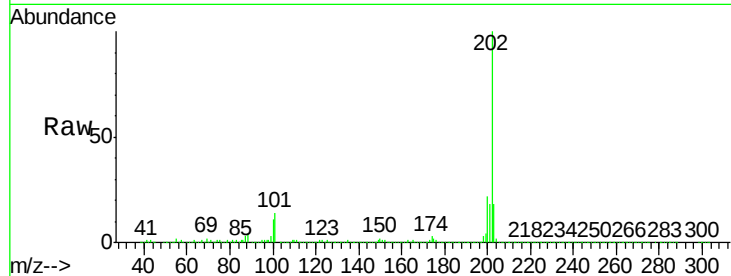
203 18.3 15.0 22.6

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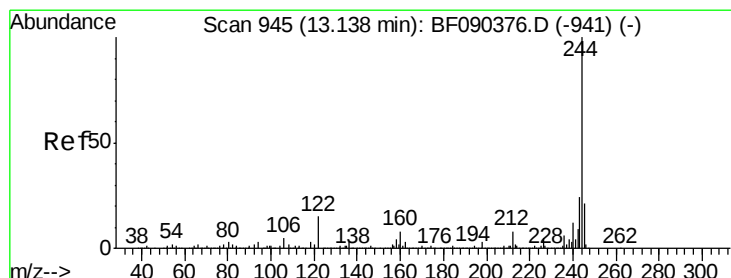
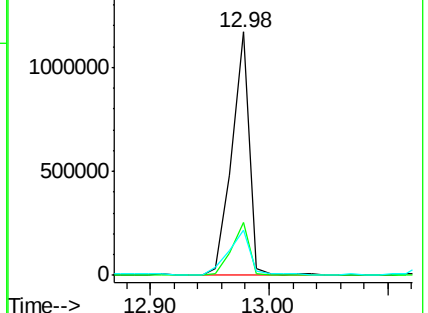
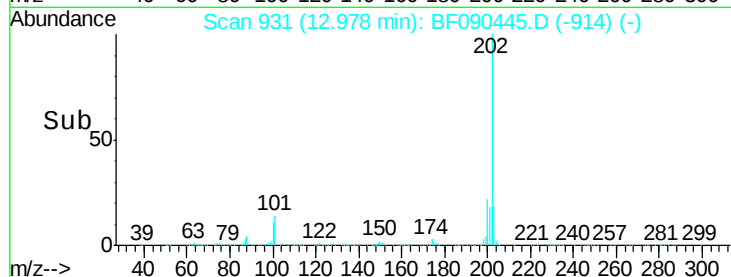
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 18.33 ng

RT: 13.12 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

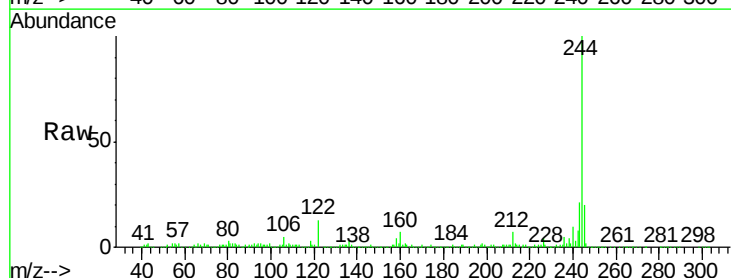
Tgt Ion:244 Resp: 521363

Ion Ratio Lower Upper

244 100

212 6.8 6.8 10.2#

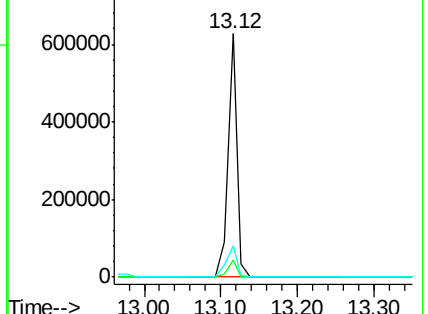
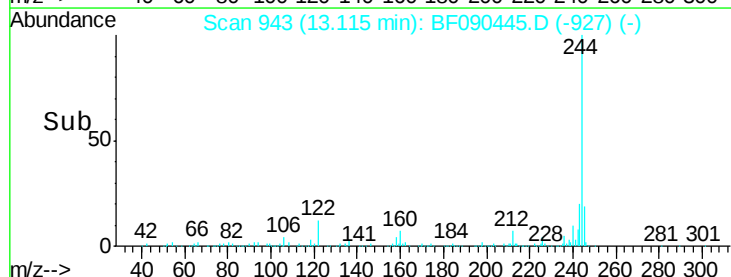
122 12.9 13.3 19.9#

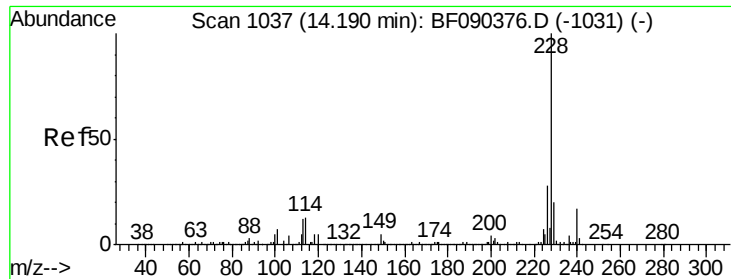


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.19 ng m

RT: 14.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

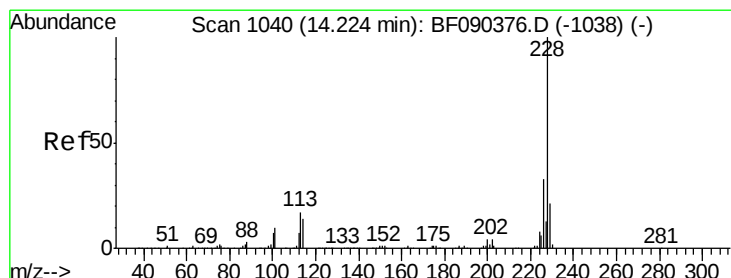
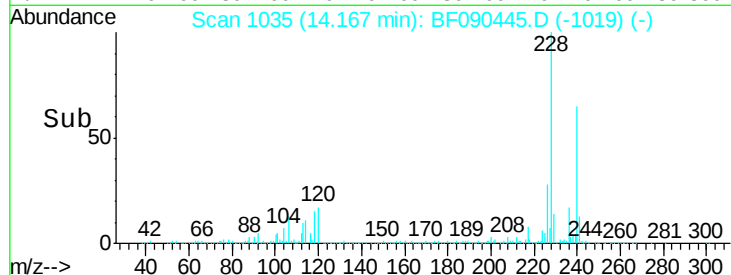
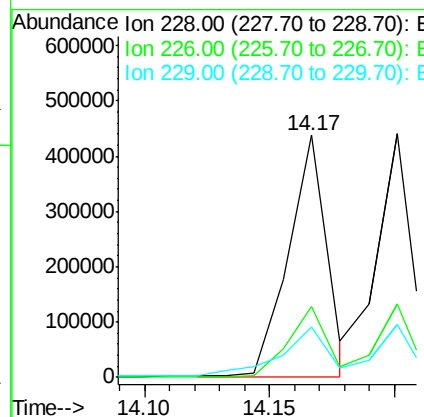
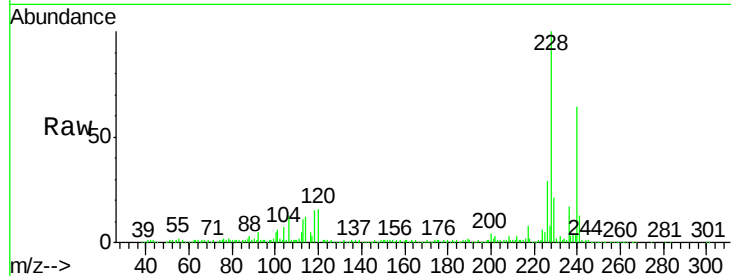
ClientSampleId :

CHA-STA-1698-D(0-2)DL

Tgt Ion:	228	Resp:	473389
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.6	35.4
229	20.8	16.6	25.0

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#82

Chrysene

Concen: 12.55 ng m

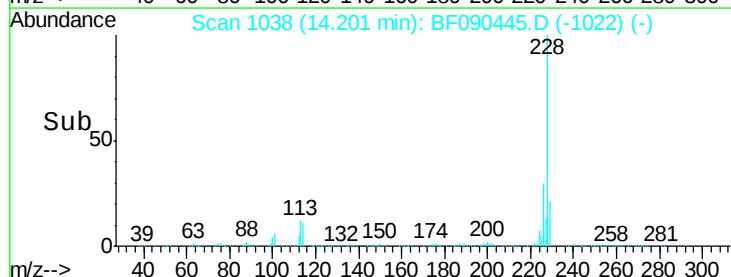
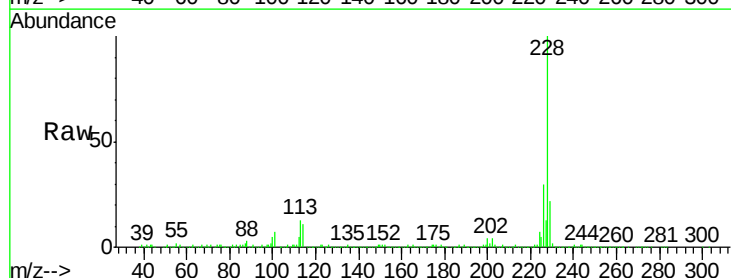
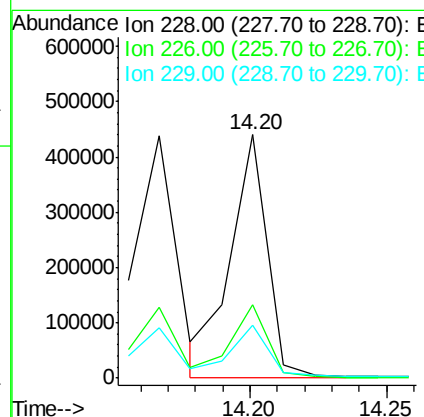
RT: 14.20 min Scan# 1038

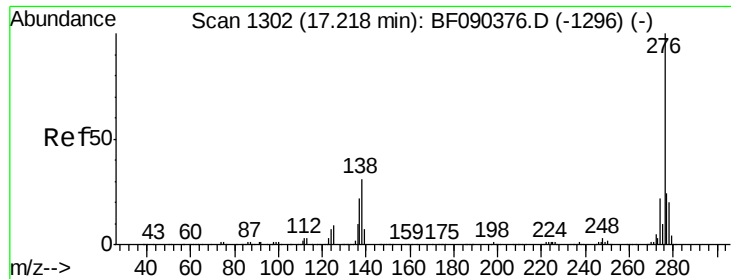
Delta R.T. -0.02 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:	228	Resp:	414581
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.8	38.6
229	21.5	16.9	25.3





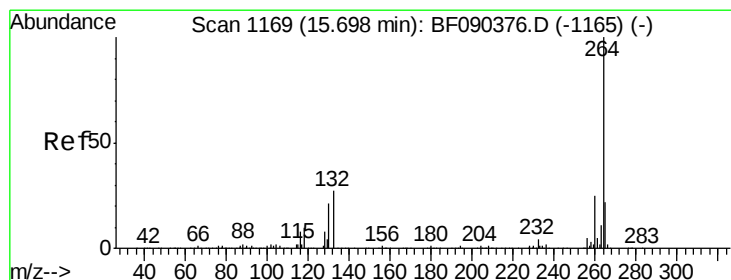
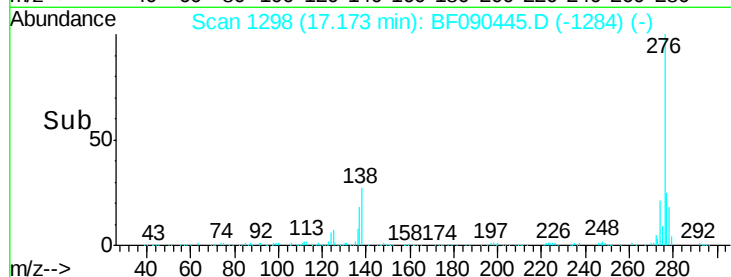
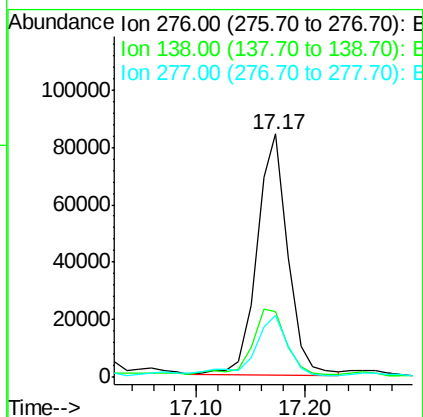
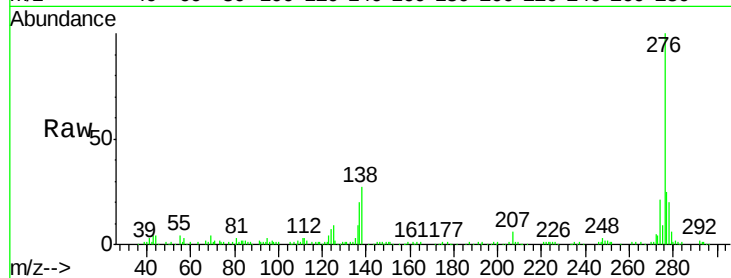
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.01 ng
 RT: 17.17 min Scan# 1298
 Delta R.T. -0.05 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	23.8	35.8
277	26.9	20.4	30.6

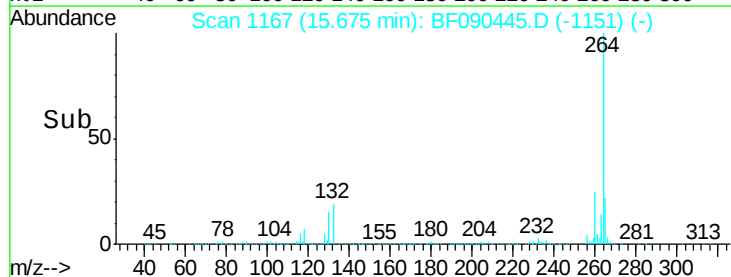
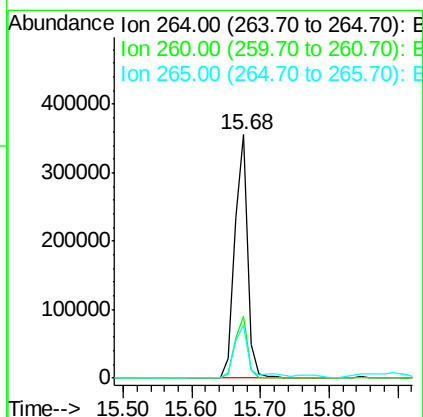
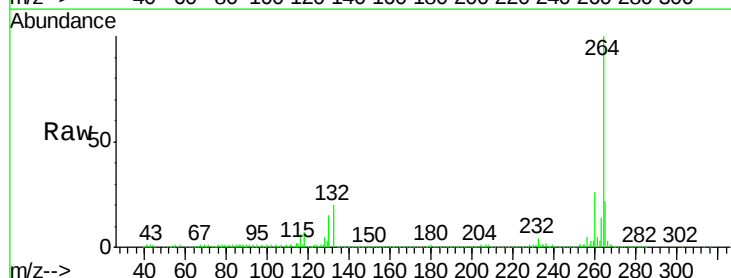
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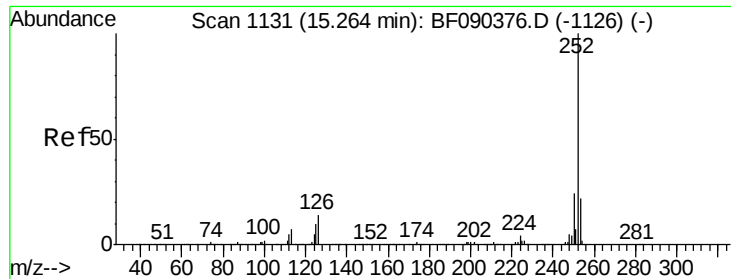
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.68 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF090445.D
 Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.3	28.9
265	21.8	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 12.26 ng m

RT: 15.23 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Instrument :

BNA_F

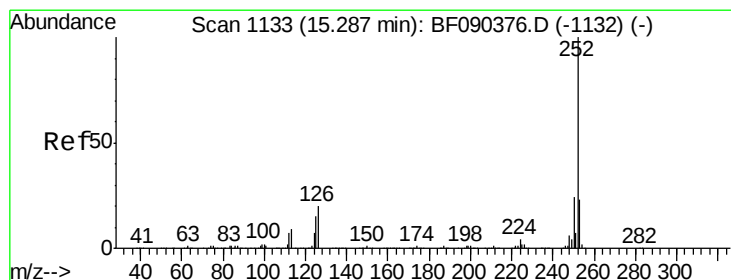
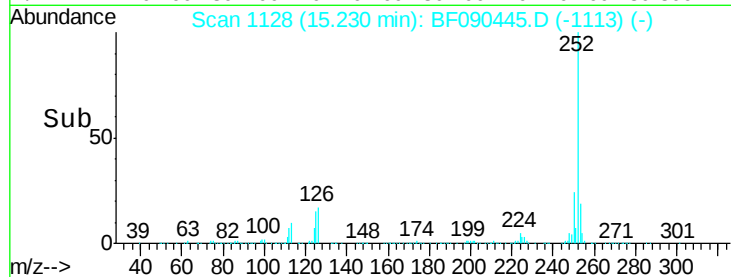
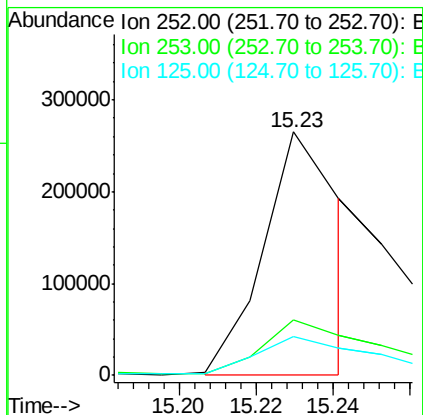
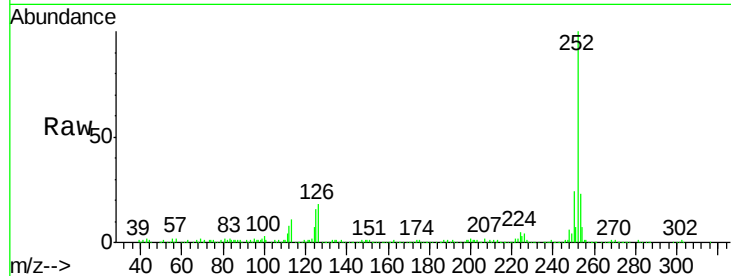
ClientSampleId :

CHA-STA-1698-D(0-2)DL

Tgt Ion:	252	Resp:	369403
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	15.7	7.0	10.4#

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#88

Benzo(k)fluoranthene

Concen: 5.66 ng m

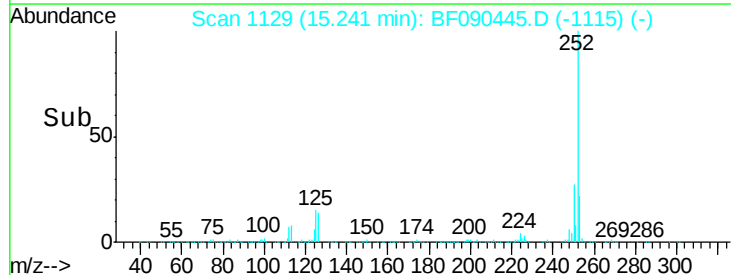
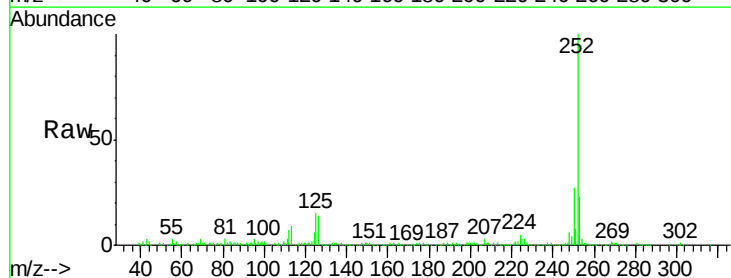
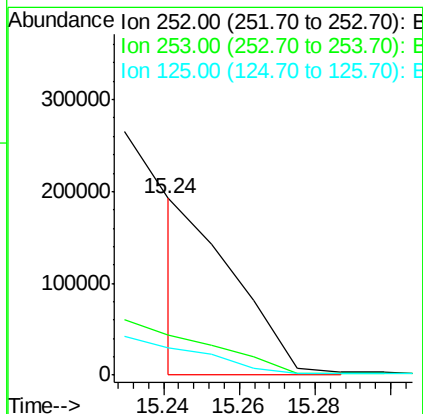
RT: 15.24 min Scan# 1129

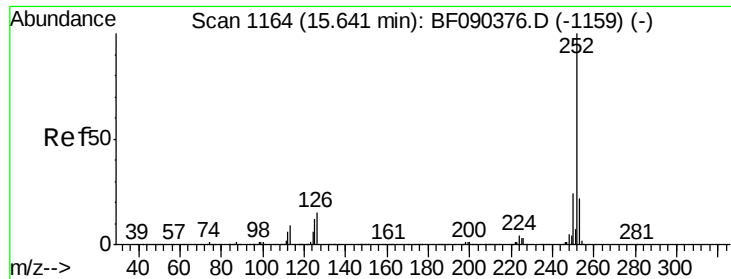
Delta R.T. -0.05 min

Lab File: BF090445.D

Acq: 7 Oct 2016 14:55

Tgt Ion:	252	Resp:	160223
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.6	27.8
125	15.3	11.7	17.5





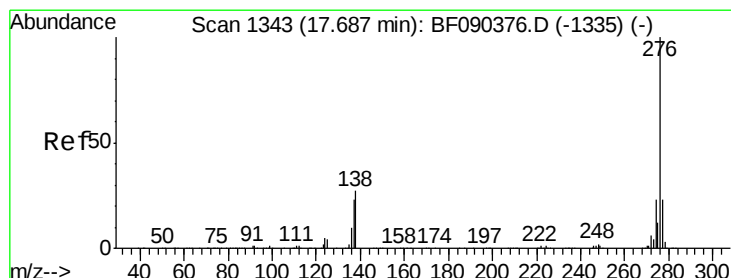
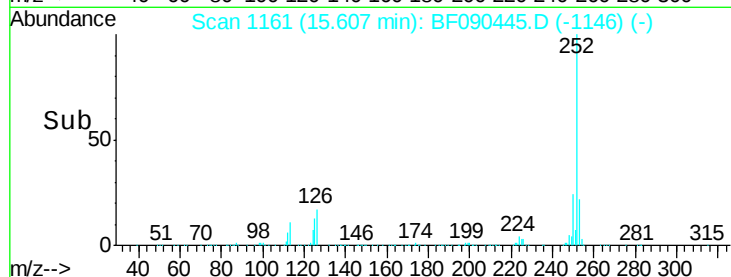
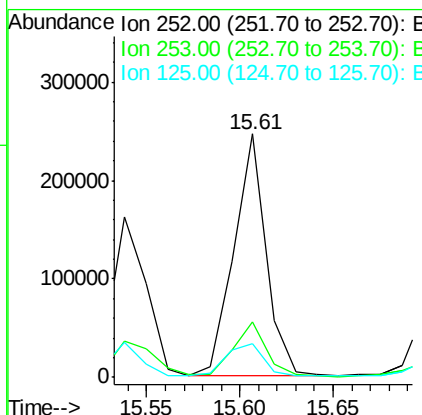
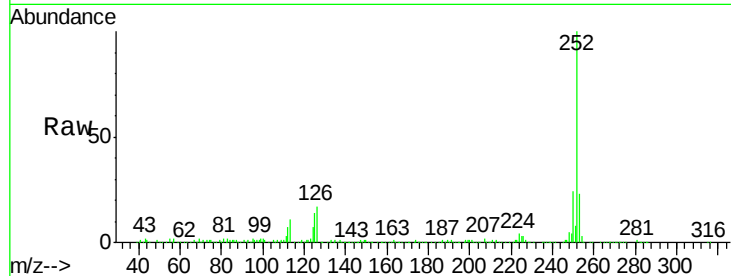
#89
Benzo(a)pyrene
Concen: 11.45 ng
RT: 15.61 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	13.7	9.8	14.8

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#91
Benzo(g,h,i)perylene
Concen: 7.81 ng
RT: 17.62 min Scan# 1337
Delta R.T. -0.07 min
Lab File: BF090445.D
Acq: 7 Oct 2016 14:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	33.2	20.8	31.2

