

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082381.D
 Acq On : 20 Oct 2015 4:33
 Operator : UM/IZ
 Sample : G4051-01RE 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Manual Integrations
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Quant Time: Oct 20 08:18:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111557	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	430070	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	214639	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	347432	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	268684	20.00	ng	0.01
86) Perylene-d12	15.54	264	245390	20.00	ng	0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	21710	3.93	ng	-0.03
7) Phenol-d6	6.45	99	32675	4.54	ng	-0.03
23) Nitrobenzene-d5	7.37	82	17171	2.68	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	12199	6.06	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	55763	4.31	ng	-0.04
78) Terphenyl-d14	12.93	244	68501	6.76	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	11.36	178	53117	3.12	ng	99
74) Fluoranthene	12.56	202	91000	4.98	ng	97
77) Pyrene	12.79	202	82923	5.20	ng	97
80) Benzo(a)anthracene	14.01	228	45478	3.25	ng	96
82) Chrysene	14.05	228	35441	2.41	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	24456	2.09	ng	98
87) Benzo(b)fluoranthene	15.13	252	53729m	3.60	ng	
89) Benzo(a)pyrene	15.49	252	34262	2.67	ng	98
91) Benzo(g,h,i)perylene	17.40	276	22013	2.16	ng	96

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

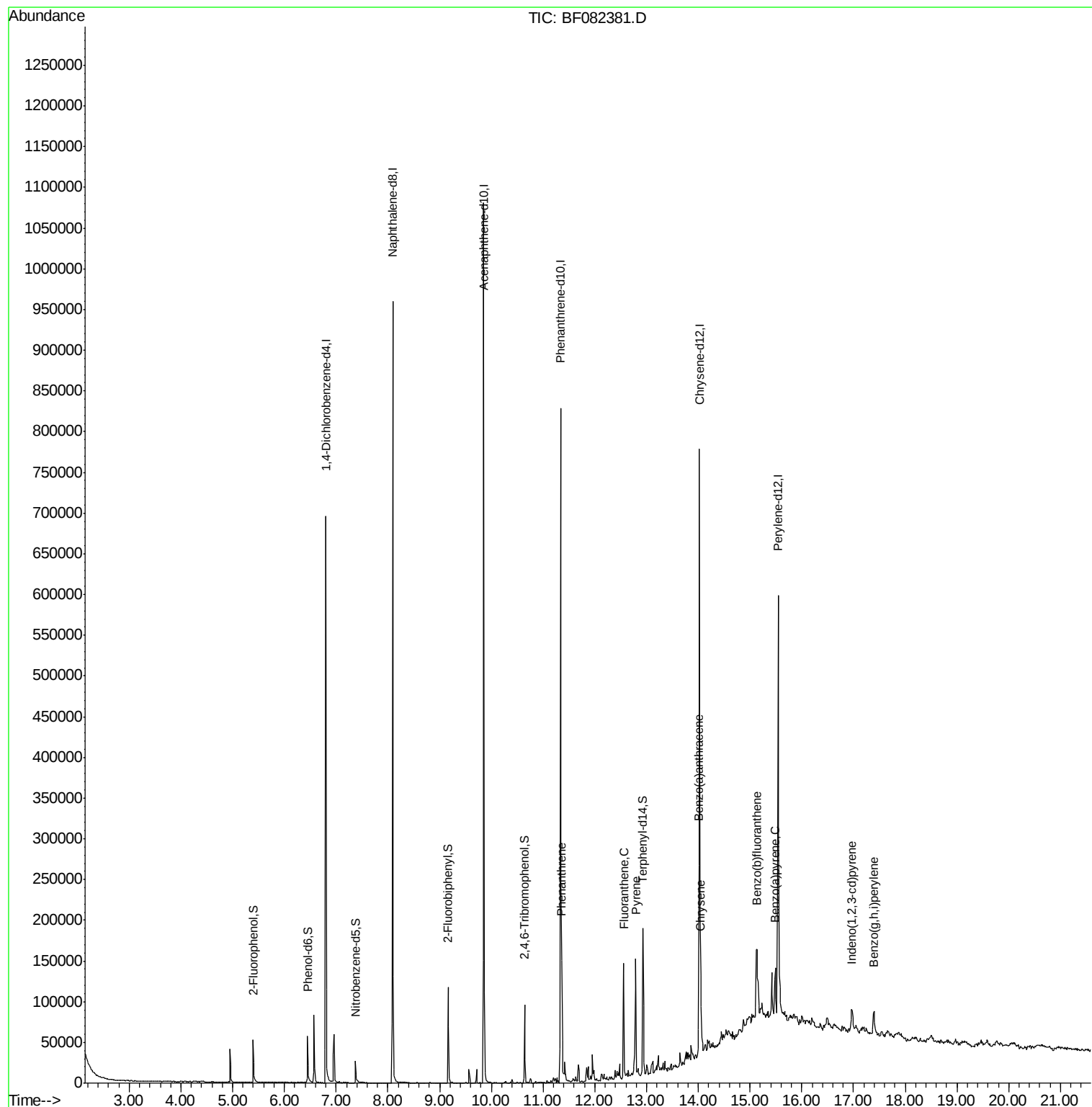
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
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Misc :
ALS Vial : 28 Sample Multiplier: 1

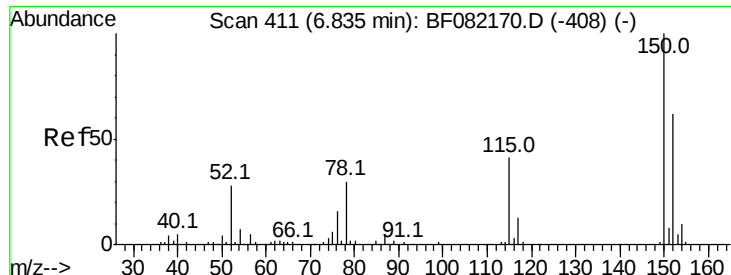
Instrument :
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

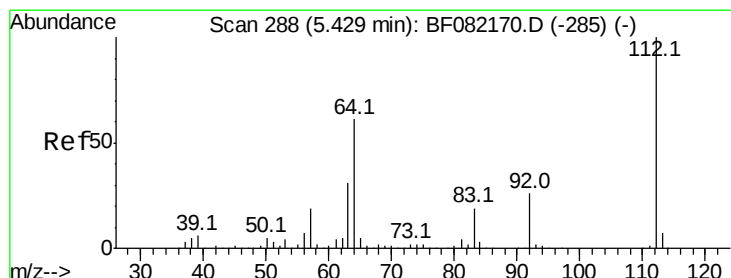
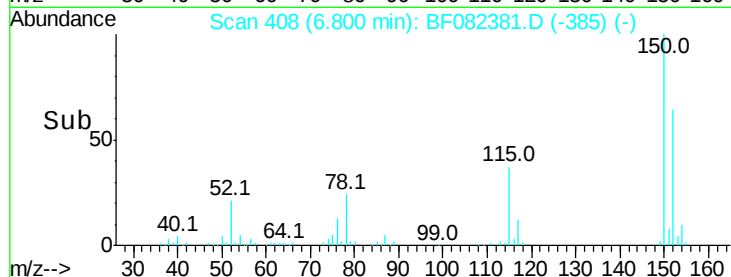
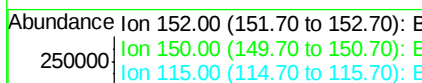
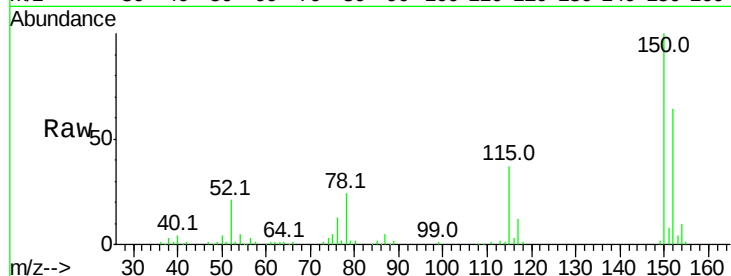
ClientSampleId :

TK1-1-20151015RE

Tot Ion:	152	Resp:	111557
Ion Ratio	Lower	Upper	
152	100		
150	156.9	129.0	193.4
115	57.7	52.1	78.1

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#5

2-Fluorophenol

Concen: 3.93 ng

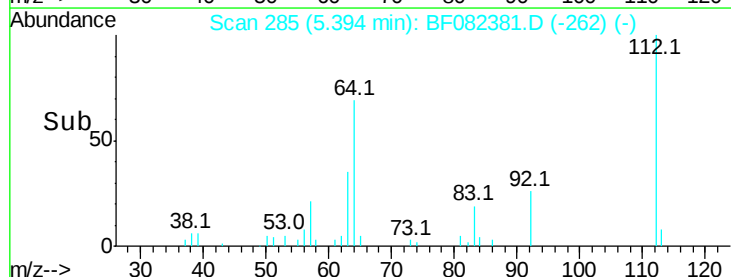
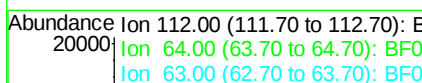
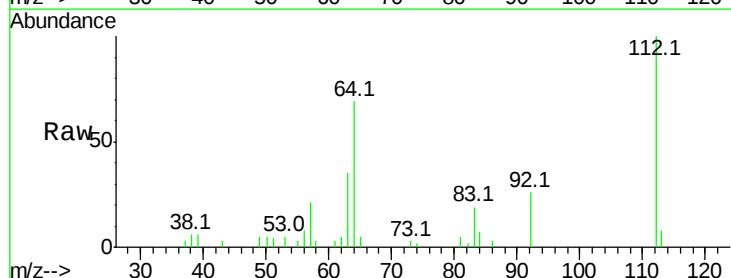
RT: 5.39 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Tgt Ion:	112	Resp:	21710
Ion Ratio	Lower	Upper	
112	100		
64	68.8	48.6	73.0
63	35.4	25.1	37.7





#7

Phenol-d6

Concen: 4.54 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

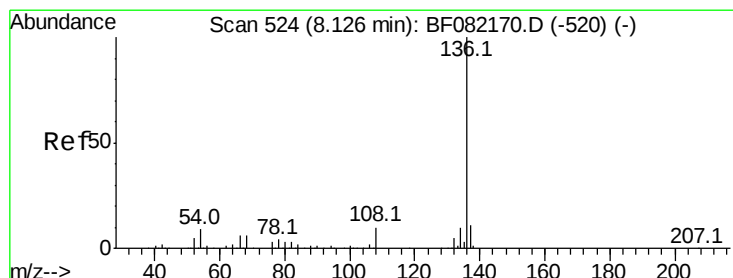
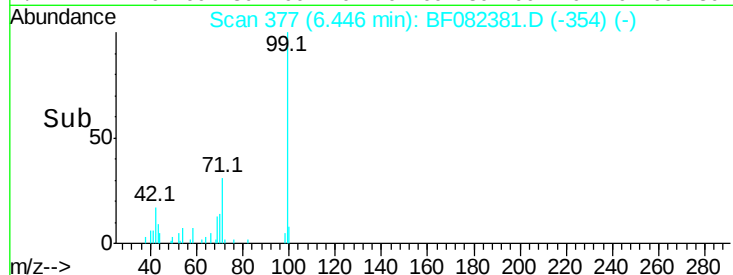
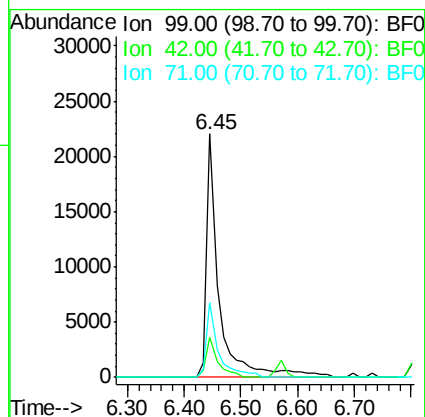
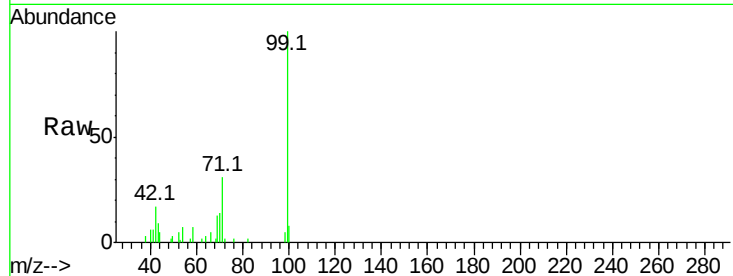
ClientSampleId :

TK1-1-20151015RE

Tot Ion:	99	Resp:	32675
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.2	19.8
71	30.9	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

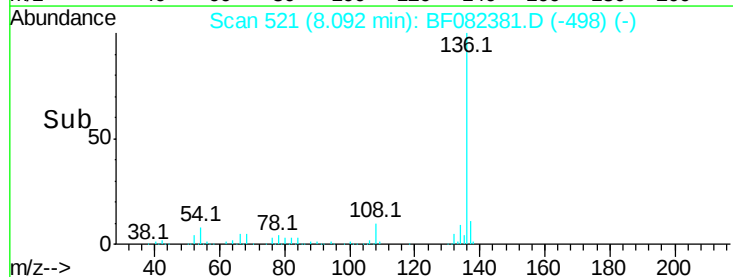
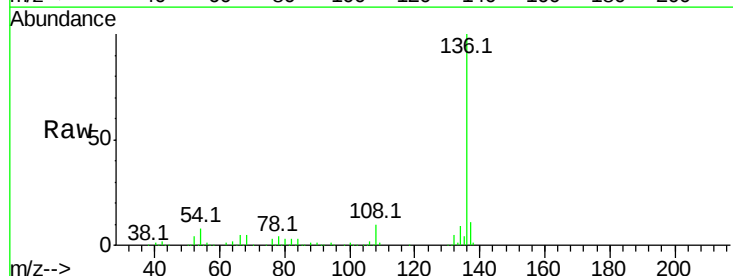
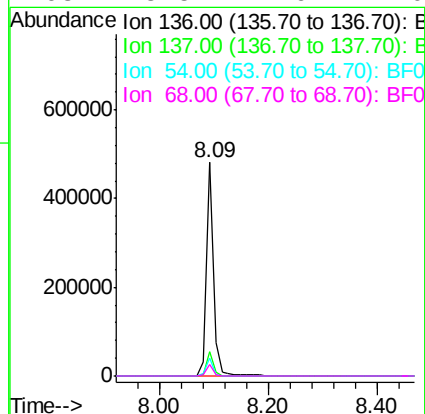
RT: 8.09 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Tgt Ion:	136	Resp:	430070
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	8.5	7.5	11.3
68	5.5	4.6	7.0





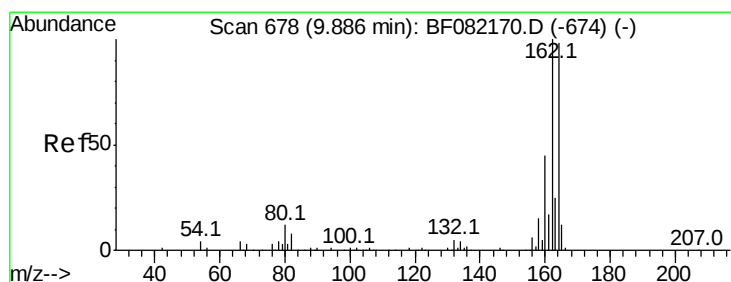
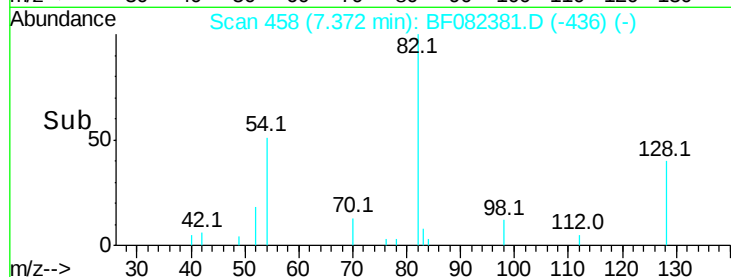
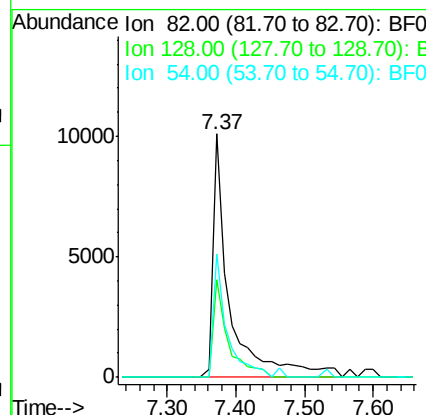
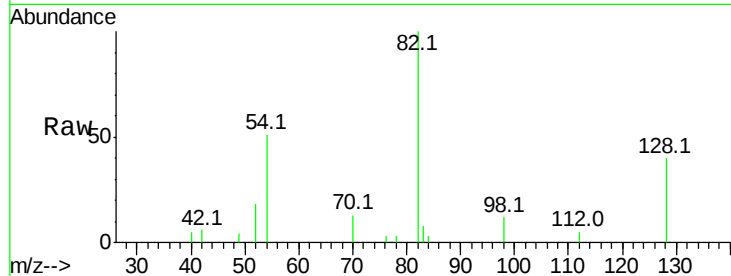
#23
 Nitrobenzene-d5
 Concen: 2.68 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	38.7	58.1
54	50.6	40.1	60.1

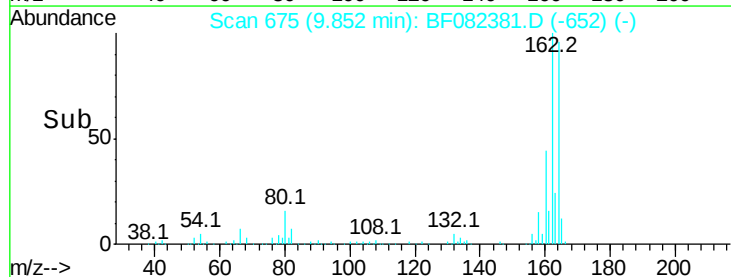
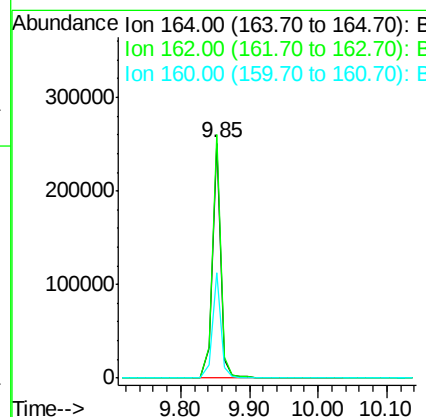
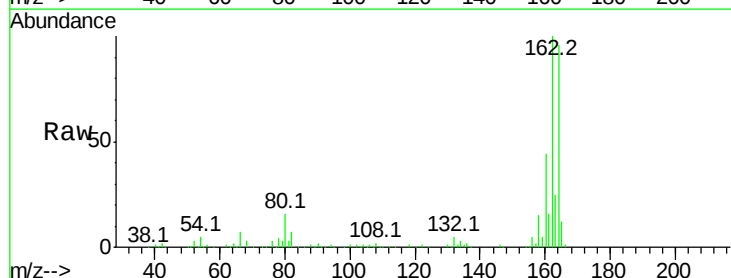
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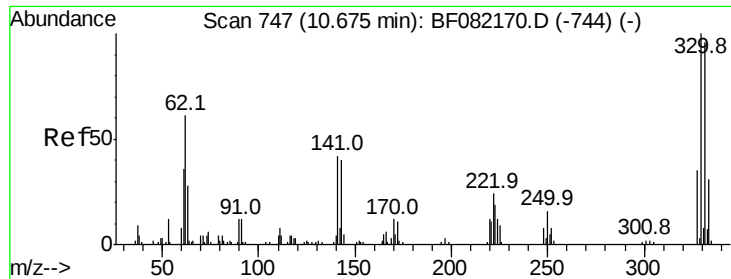
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.6	122.4
160	45.1	36.4	54.6





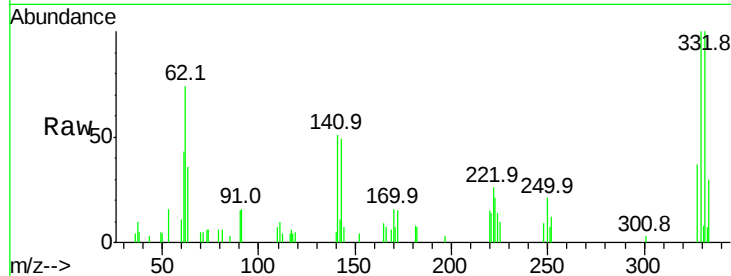
#41
 2,4,6-Tribromophenol
 Concen: 6.06 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

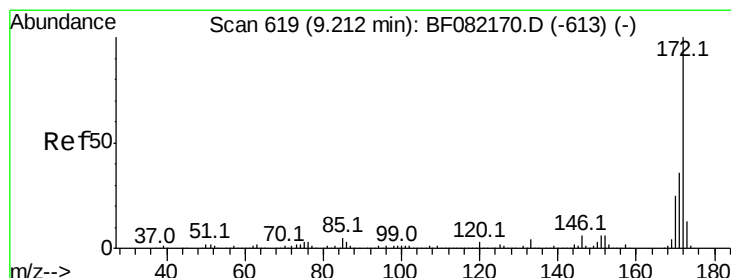
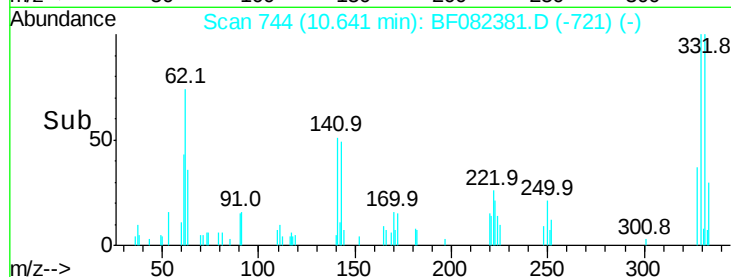
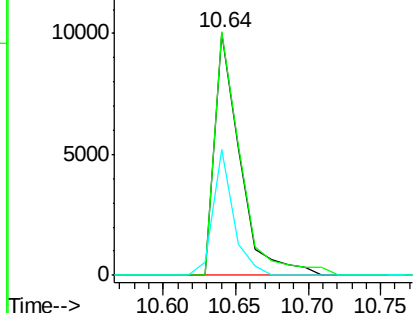
Tot Ion	Ratio	Resp	Lower	Upper
330	100	12199		
332	103.0		77.1	115.7
141	41.5		29.8	44.8

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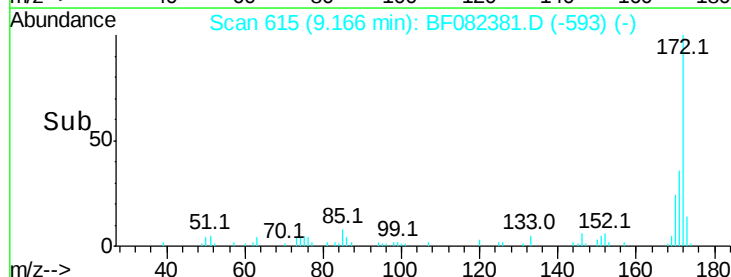
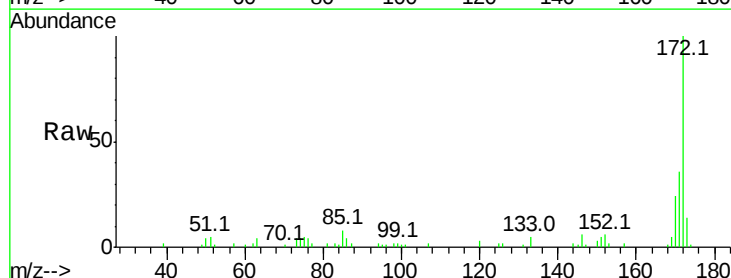
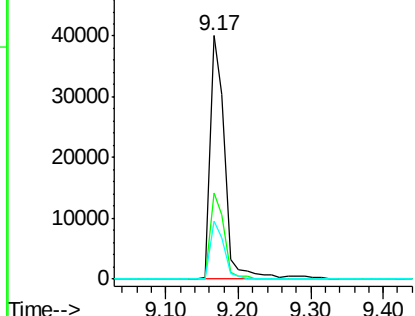
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

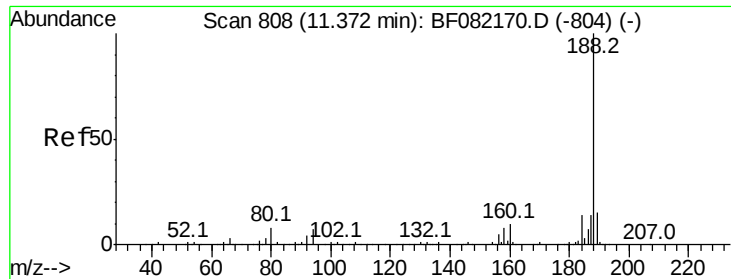


#44
 2-Fluorobiphenyl
 Concen: 4.31 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.04 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	55763		
171	35.6		28.6	42.8
170	23.9		19.7	29.5

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





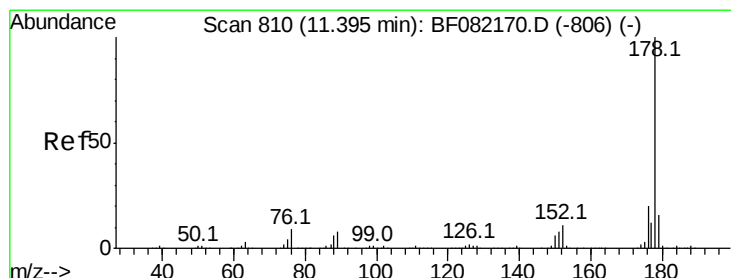
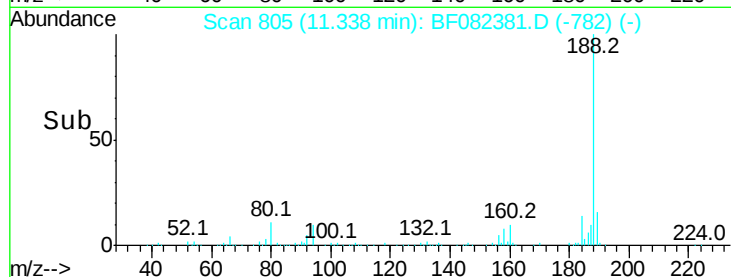
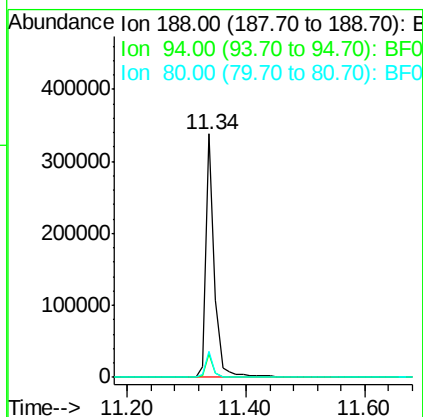
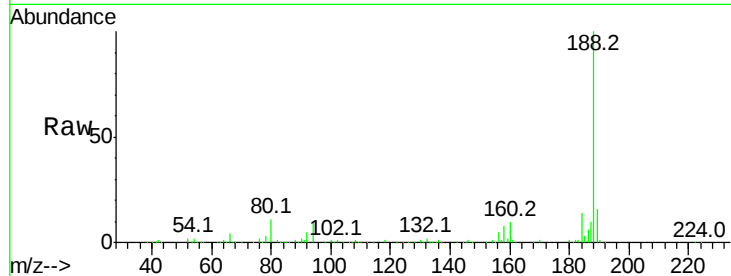
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 805
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	5.8	8.6#
80	10.6	6.4	9.6#

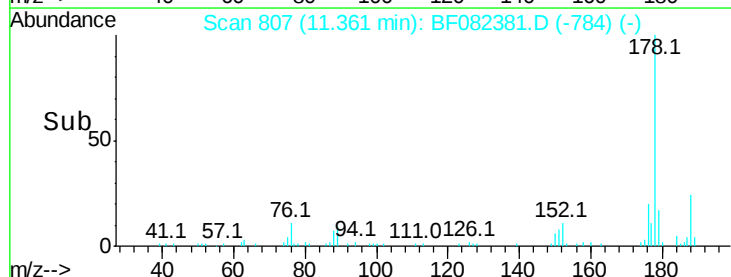
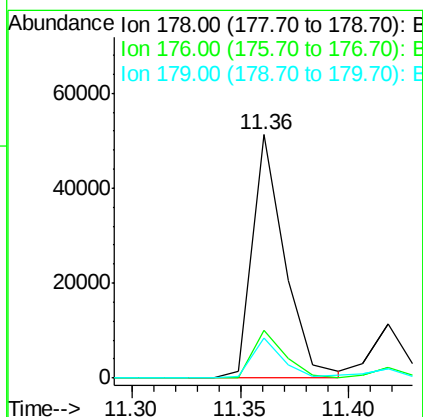
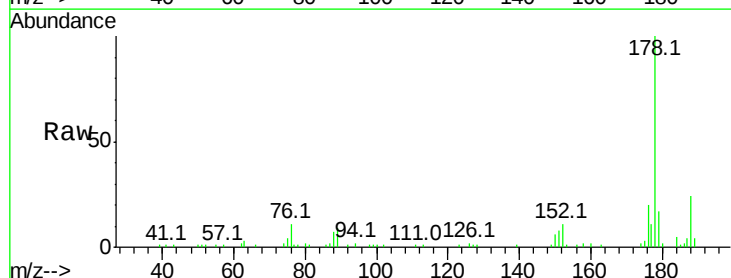
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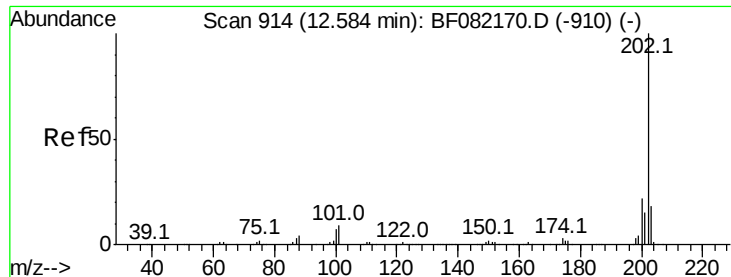
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#70
 Phenanthrene
 Concen: 3.12 ng
 RT: 11.36 min Scan# 807
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	16.0	24.0
179	16.7	12.6	19.0





#74

Fluoranthene

Concen: 4.98 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

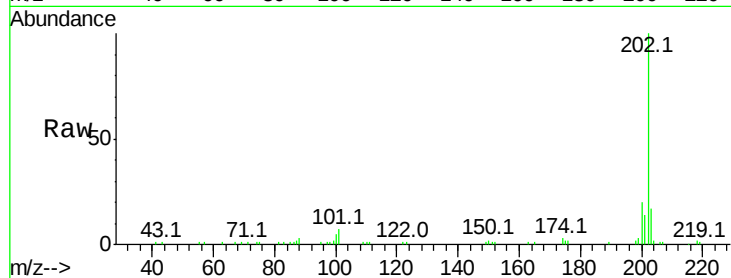
ClientSampleId :

TK1-1-20151015RE

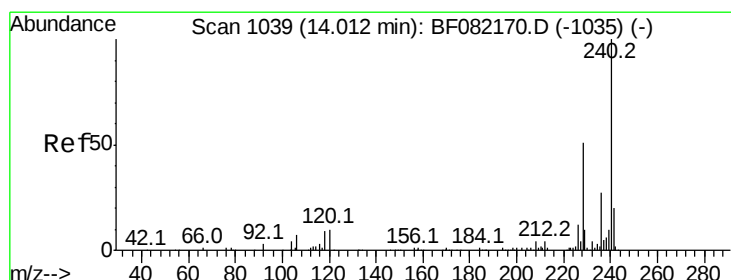
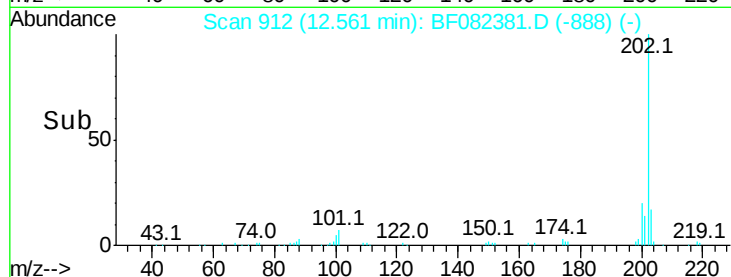
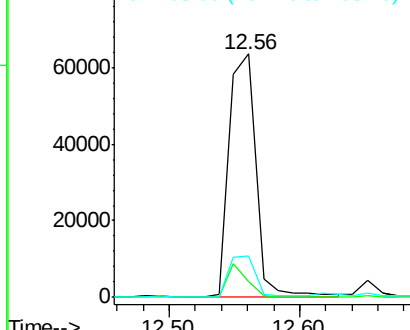
Tot Ion:	202	Resp:	91000
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	29.3
203	17.3	0.0	37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

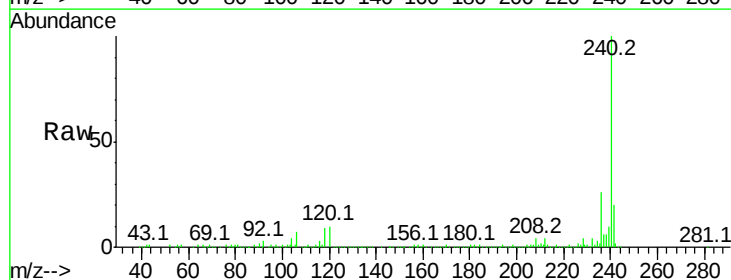
RT: 14.02 min Scan# 1040

Delta R.T. 0.01 min

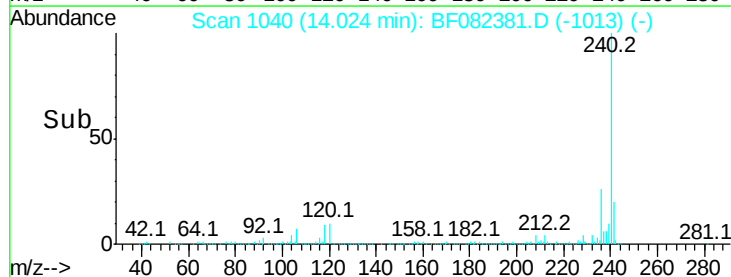
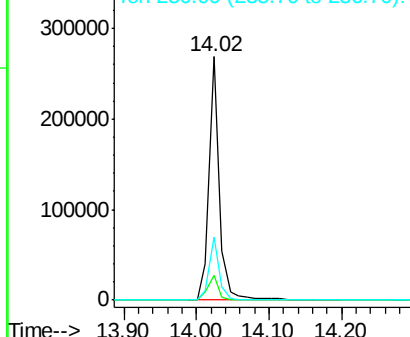
Lab File: BF082381.D

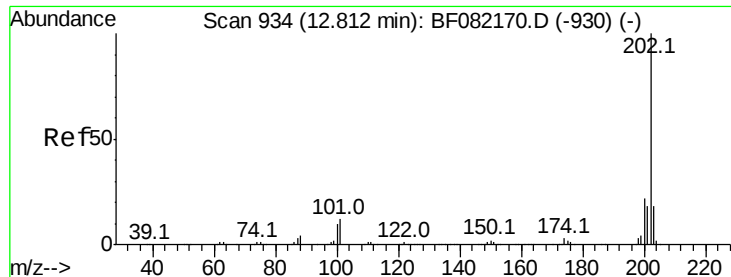
Acq: 20 Oct 2015 4:33

Tgt Ion:	240	Resp:	268684
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.1	12.1
236	25.7	21.3	31.9



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

Pvrene

Concen: 5.20 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082381.D

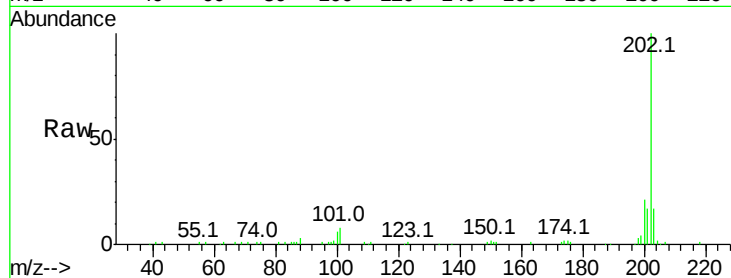
Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

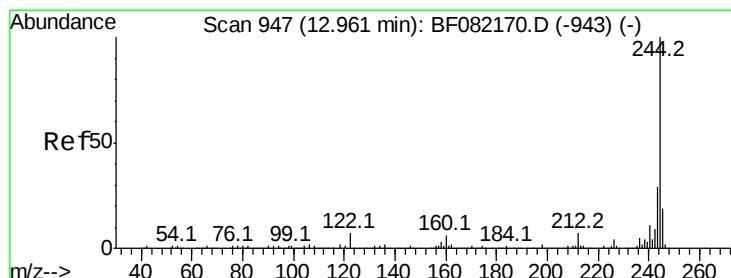
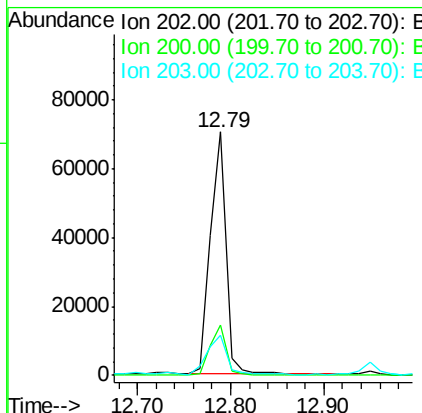
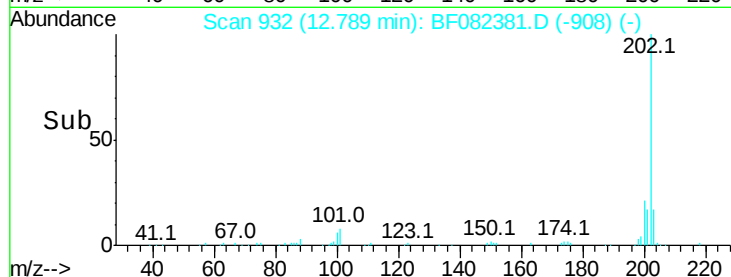
TK1-1-20151015RE



Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.9	26.9
203	16.6	14.5	21.7

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#78

Terphenyl-d14

Concen: 6.76 ng

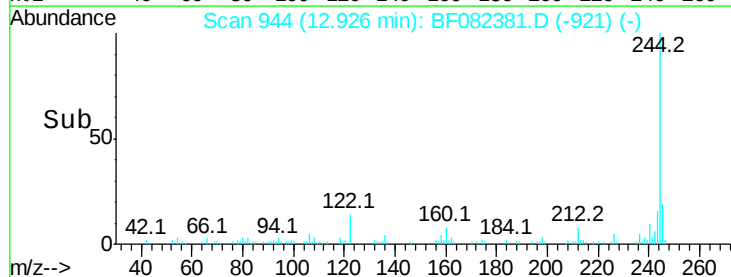
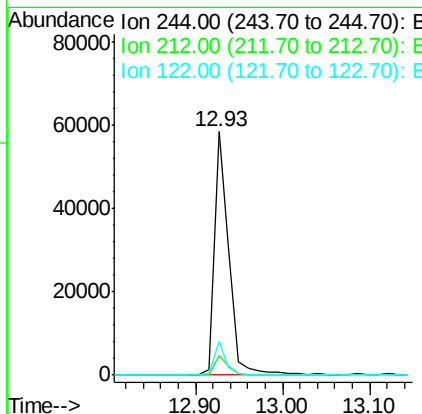
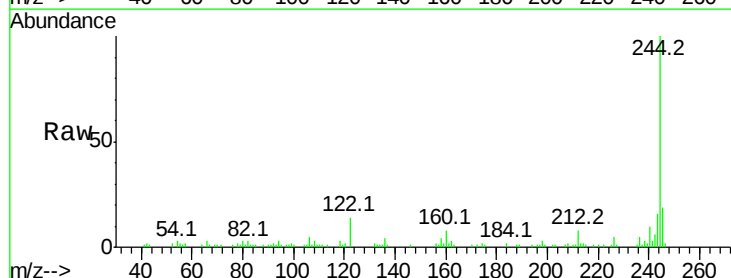
RT: 12.93 min Scan# 944

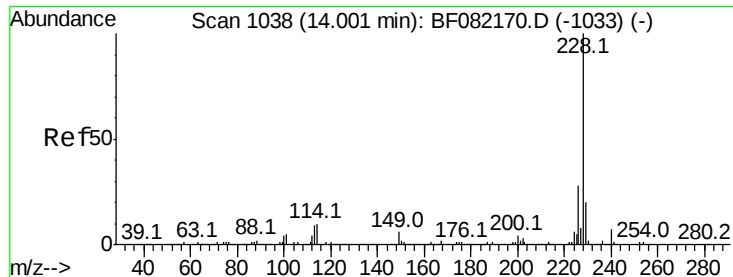
Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	13.7	5.9	8.9#





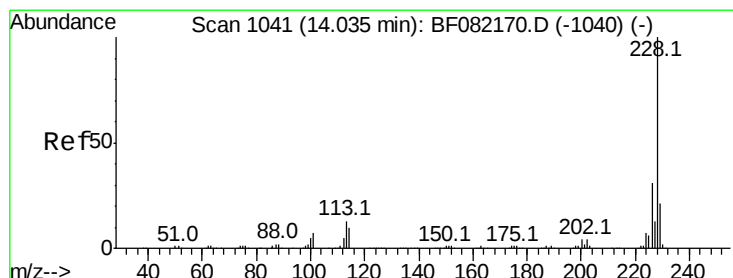
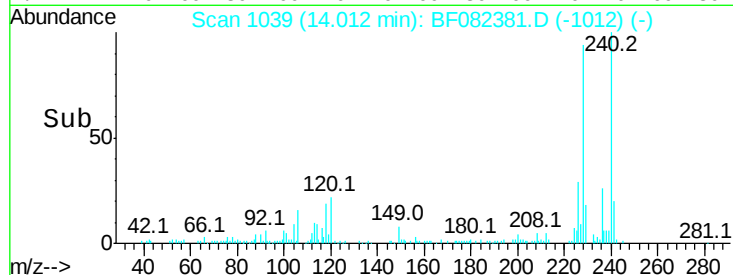
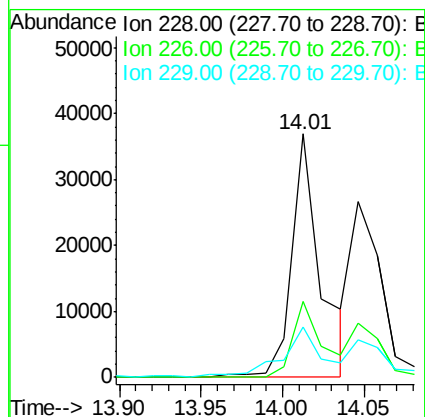
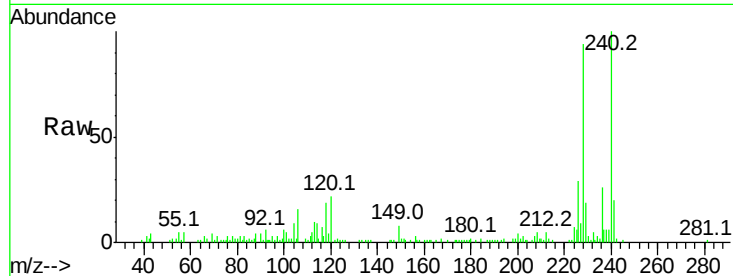
#80
Benzo(a)anthracene
Concen: 3.25 ng
RT: 14.01 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF082381.D
Acq: 20 Oct 2015 4:33

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.3	33.5
229	20.4	16.2	24.2

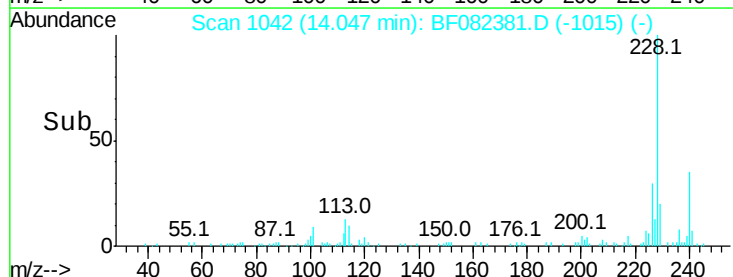
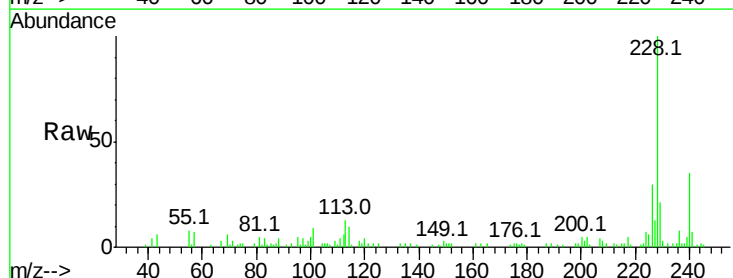
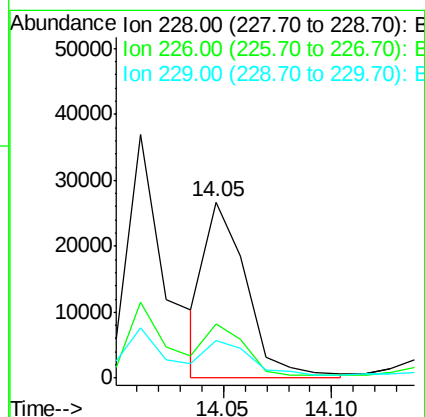
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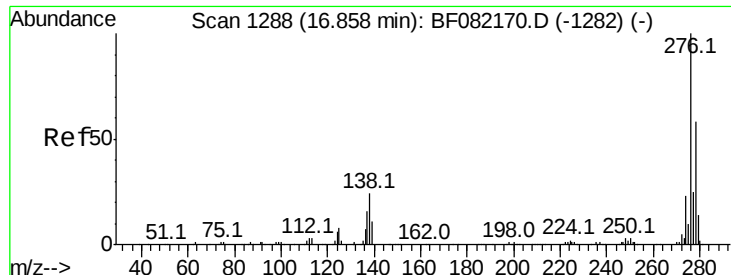
MMdadoda
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#82
Chrysene
Concen: 2.41 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF082381.D
Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	21.2	16.3	24.5





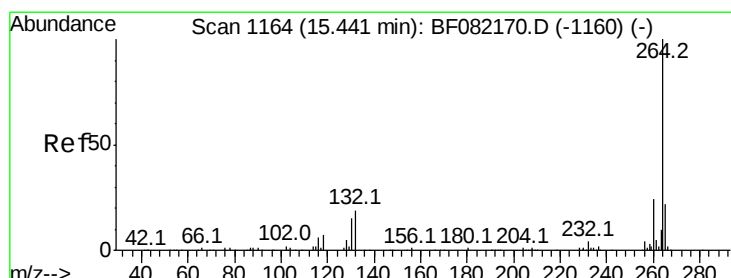
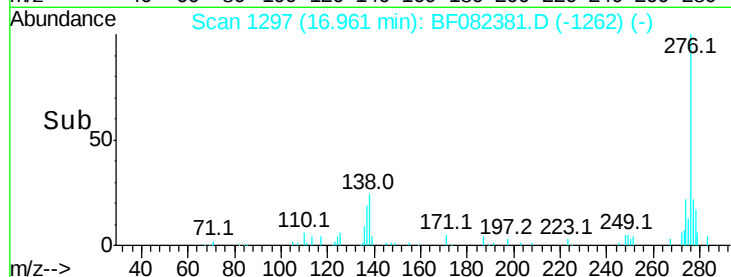
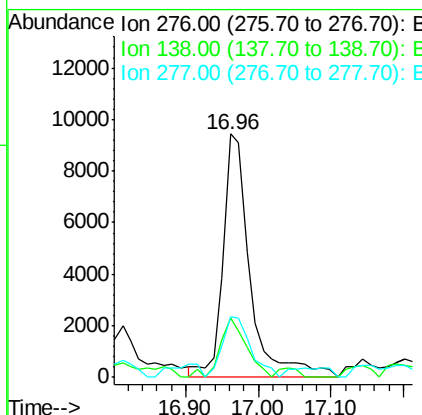
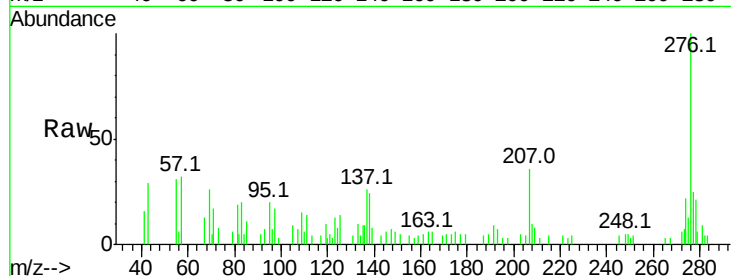
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.09 ng
 RT: 16.96 min Scan# 1297
 Delta R.T. 0.10 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Tot Ion	Ratio	Resp	Lower	Upper
276	100	24456		
138	23.5	19.7	29.5	
277	25.8	20.1	30.1	

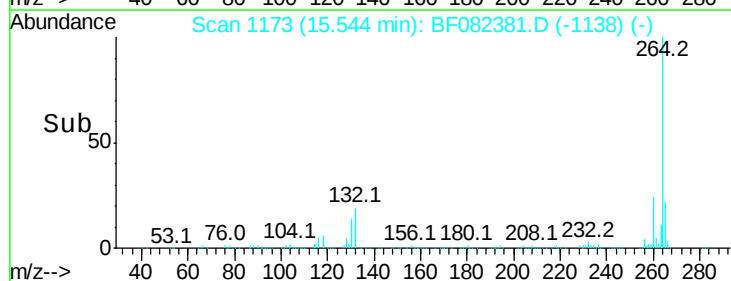
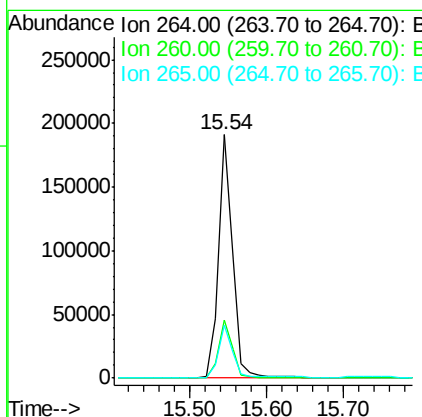
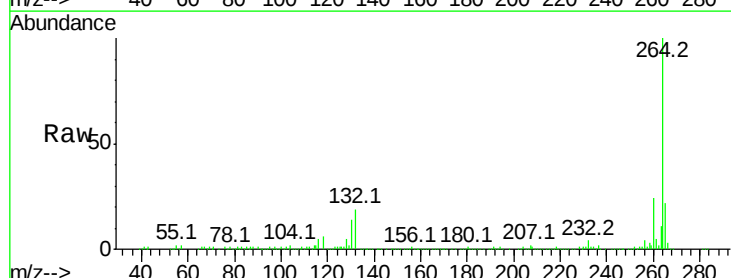
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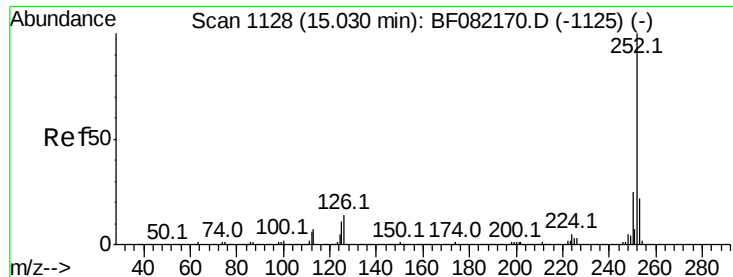
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1173
 Delta R.T. 0.10 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	245390		
260	23.6	19.0	28.6	
265	21.7	17.3	25.9	





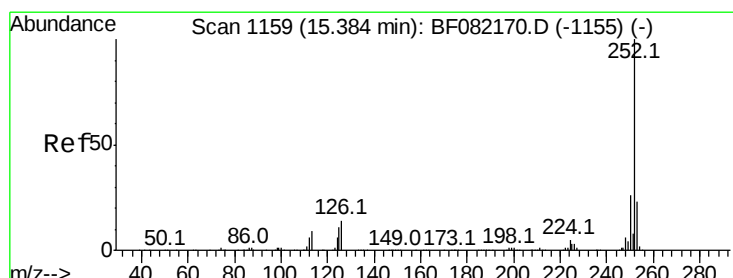
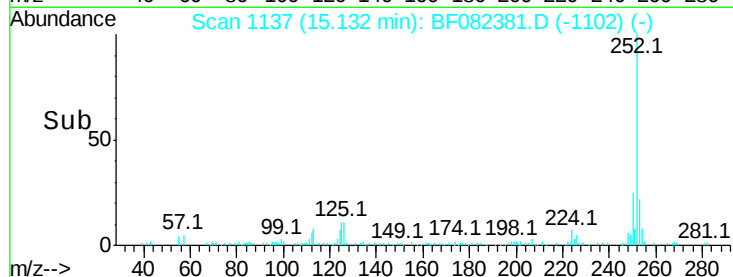
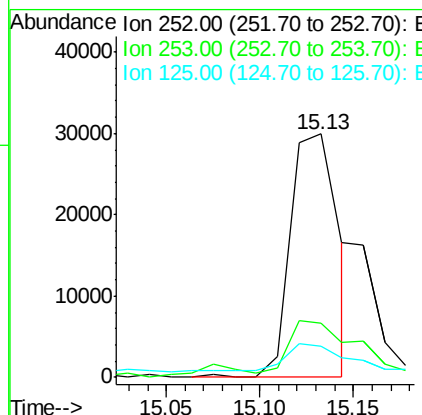
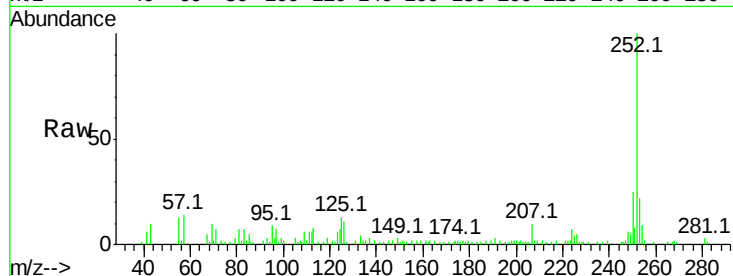
#87
Benzo(b)fluoranthene
Concen: 3.60 ng m
RT: 15.13 min Scan# 1137
Delta R.T. 0.10 min
Lab File: BF082381.D
Acq: 20 Oct 2015 4:33

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015RE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	53729		
253	22.4	18.0	27.0	
125	12.9	8.6	12.8	

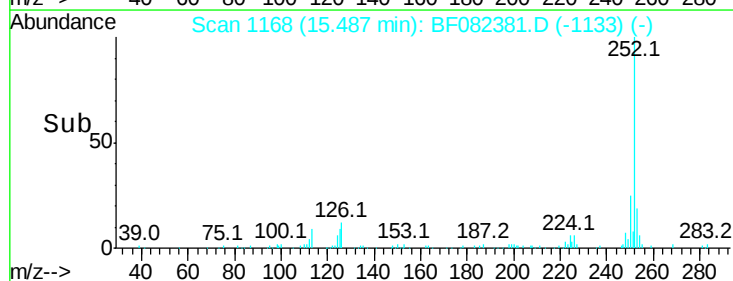
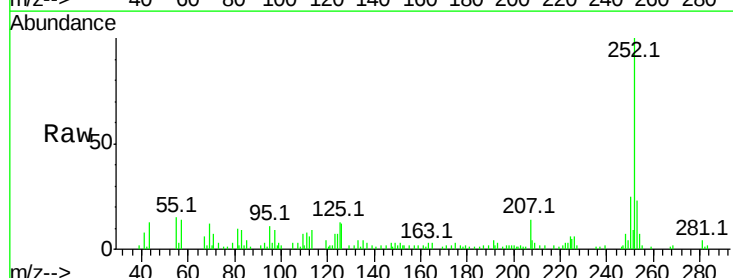
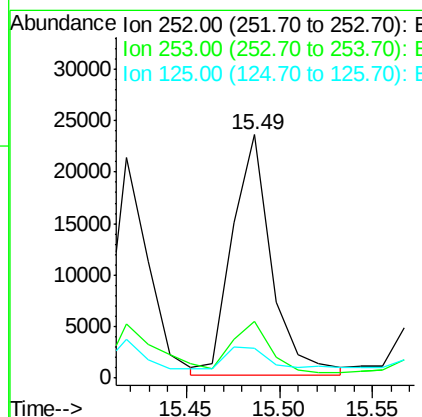
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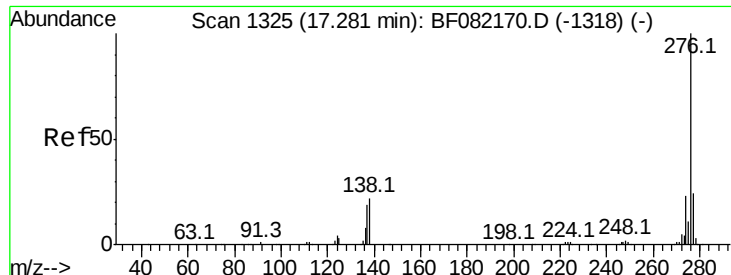
MMdadoda
10/20/2015 6:26:00 PM



#89
Benzo(a)pyrene
Concen: 2.67 ng
RT: 15.49 min Scan# 1168
Delta R.T. 0.10 min
Lab File: BF082381.D
Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	34262		
253	23.2	18.2	27.2	
125	12.5	8.9	13.3	





#91
 Benzo(a,h,i)perylene
 Concen: 2.16 ng
 RT: 17.40 min Scan# 1335
 Delta R.T. 0.11 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	27.4	18.8		28.2	
138	21.9	17.4		26.2	

Manual Integrations
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MMdadoda
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