

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097824.D
 Acq On : 18 Aug 2017 9:46
 Operator : SJ/JU
 Sample : I4797-07 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Manual Integrations
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Sohil
 8/18/2017 7:02:45 PM

Quant Time: Aug 18 14:06:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	127713	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	450743	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	165292	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	296630	20.00	ng	0.00
75) Chrysene-d12	13.93	240	272209	20.00	ng	0.00
86) Perylene-d12	15.36	264	187722	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	311654	37.12	ng	-0.01
7) Phenol-d6	6.40	99	408344	35.79	ng	-0.01
23) Nitrobenzene-d5	7.33	82	234671	28.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	37371	26.06	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	332263	29.53	ng	-0.01
78) Terphenyl-d14	12.88	244	271528	20.80	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.53	163	96870	8.017	ng	Qvalue # 98
70) Phenanthrene	11.32	178	232534	14.711	ng	99
71) Anthracene	11.37	178	69071	4.308	ng	99
73) Di-n-butylphthalate	11.86	149	39442	2.250	ng	# 98
74) Fluoranthene	12.50	202	462413	28.028	ng	98
77) Pyrene	12.73	202	447603	20.105	ng	98
80) Benzo(a)anthracene	13.92	228	194682	11.933	ng	97
82) Chrysene	13.96	228	184028	11.339	ng	96
83) Bis(2-ethylhexyl)phthalate	13.92	149	32992	3.488	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.76	276	69740m	5.841	ng	
87) Benzo(b)fluoranthene	14.95	252	191829m	16.212	ng	
88) Benzo(k)fluoranthene	14.97	252	57964m	5.214	ng	
89) Benzo(a)pyrene	15.30	252	126708	12.096	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	17595	2.063	ng	# 85
91) Benzo(a,h,i)perylene	17.17	276	64774	7.279	ng	96

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

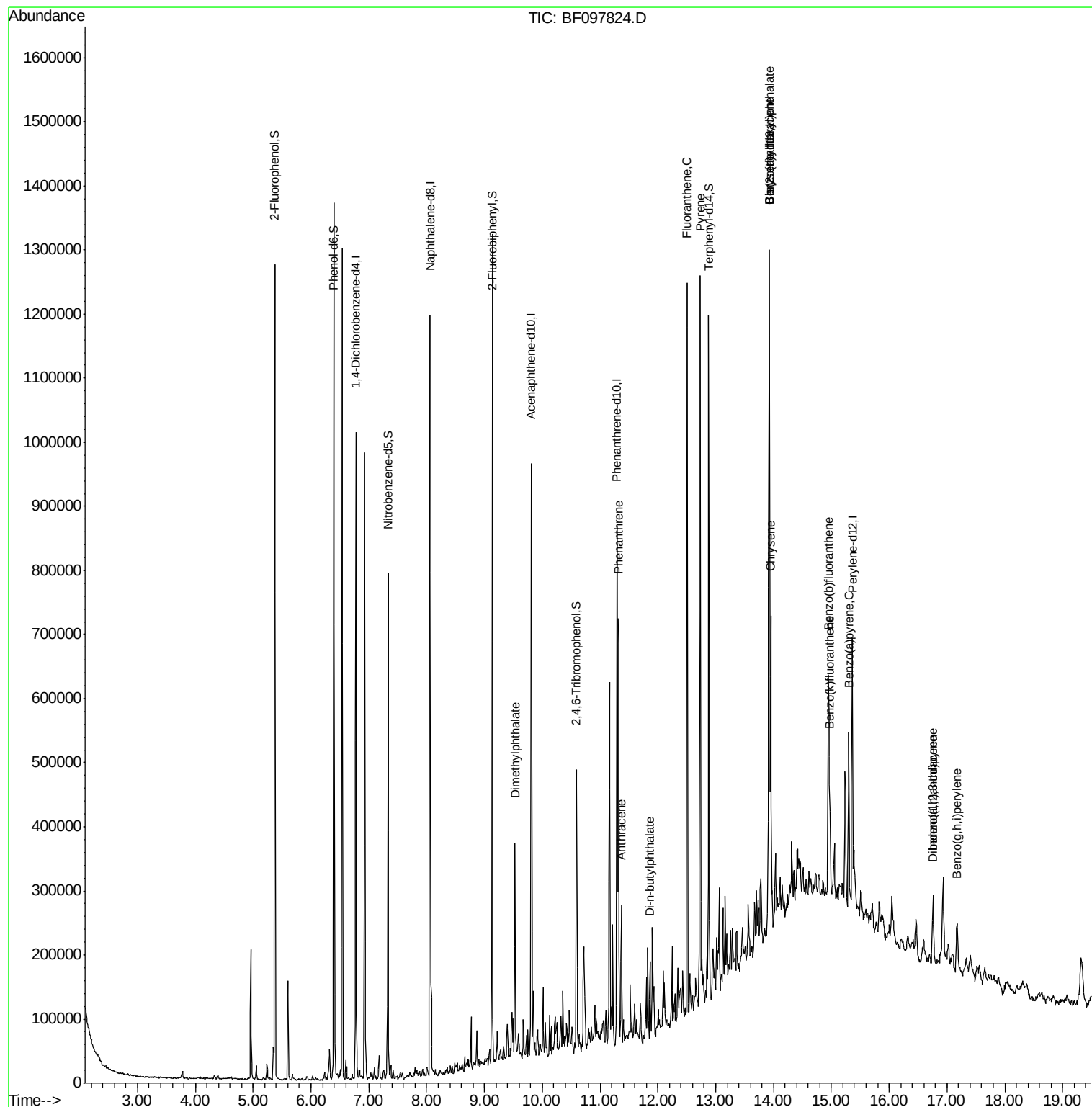
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097824.D
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Sample : I4797-07 2X
Misc :
ALS Vial : 38 Sample Multiplier: 1

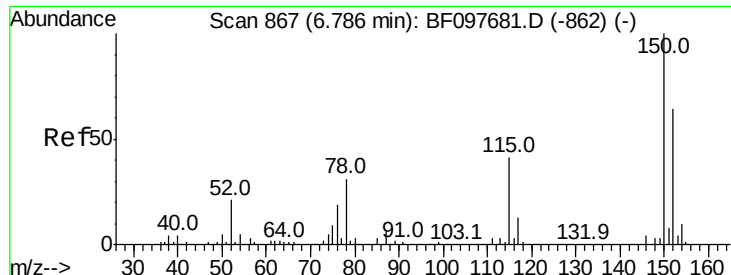
Instrument :
BNA_F
ClientSampled :
E2-K10-BASE

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

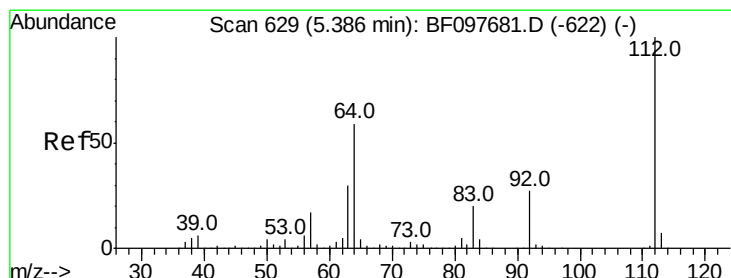
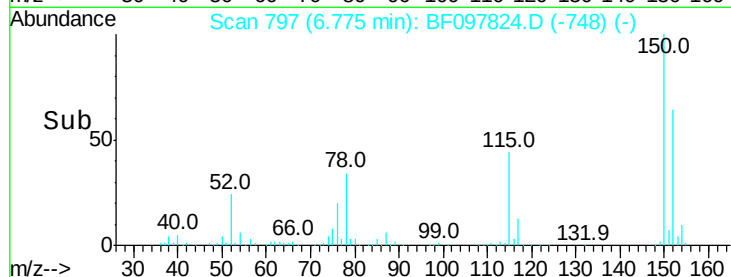
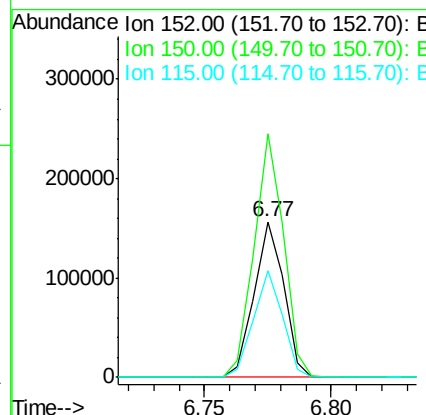
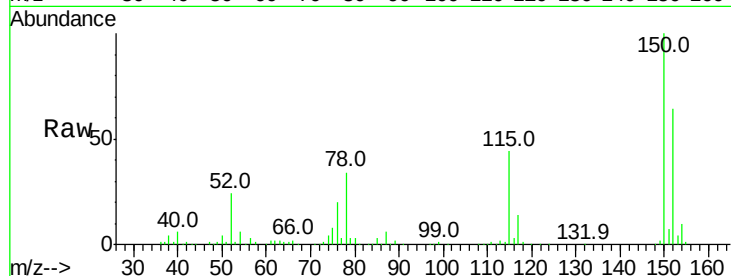
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	68.7	52.2	78.2

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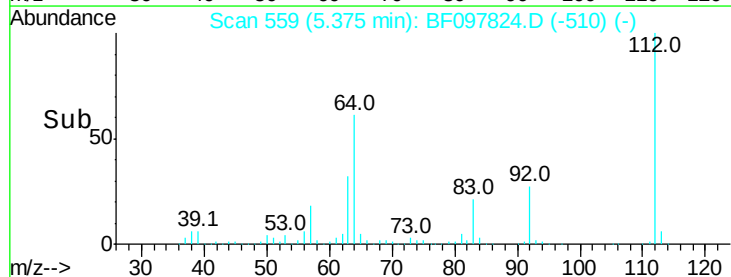
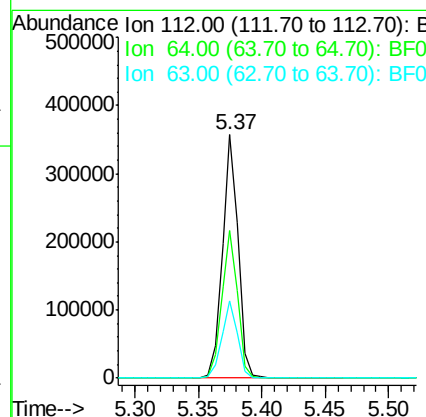
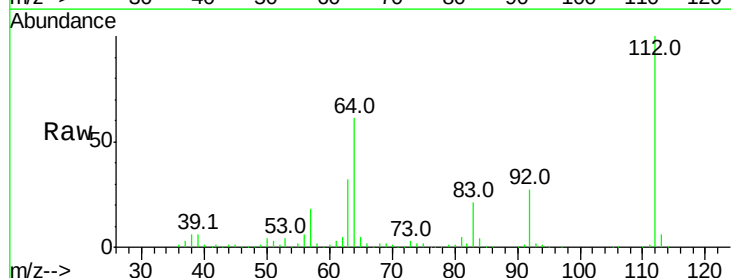
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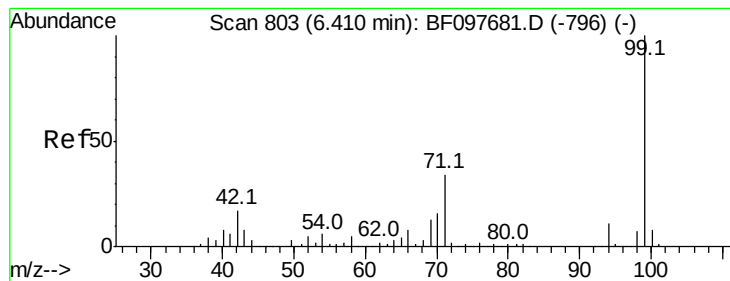


#5

2-Fluorophenol
Concen: 37.118 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.0	69.0
63	31.6	23.4	35.0





#7

Phenol-d6

Concen: 35.794 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

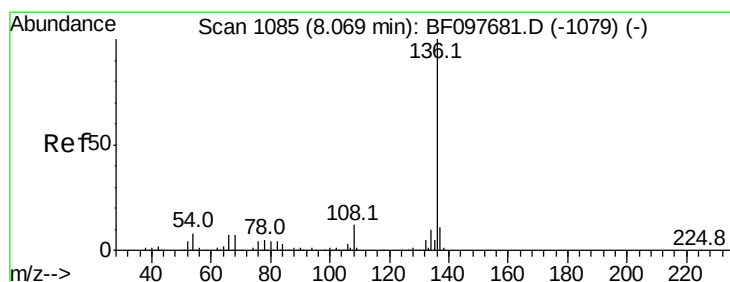
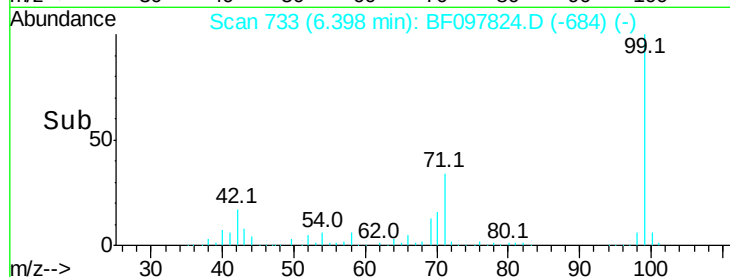
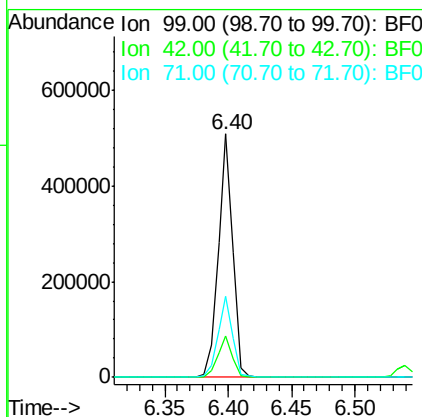
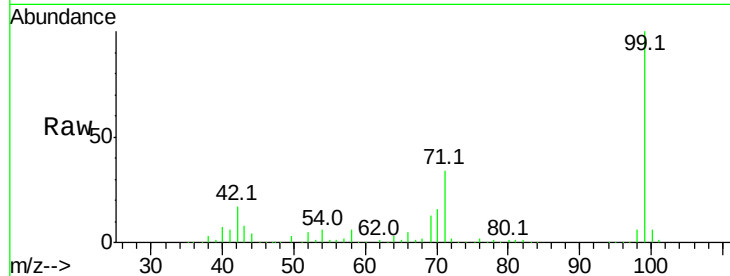
ClientSampleId :

E2-K10-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		408344		
42	16.9	13.5	20.3		
71	33.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

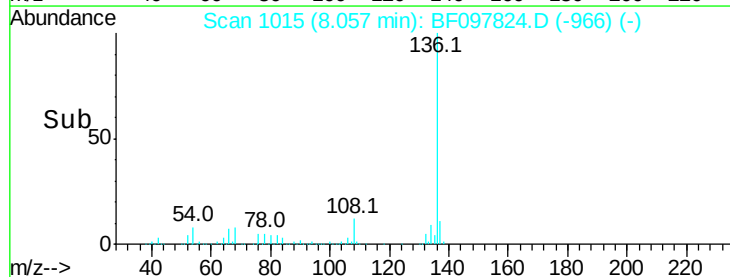
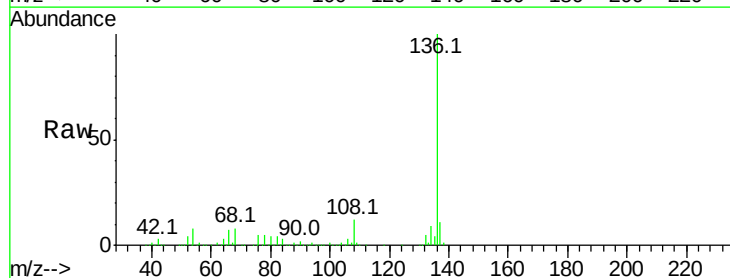
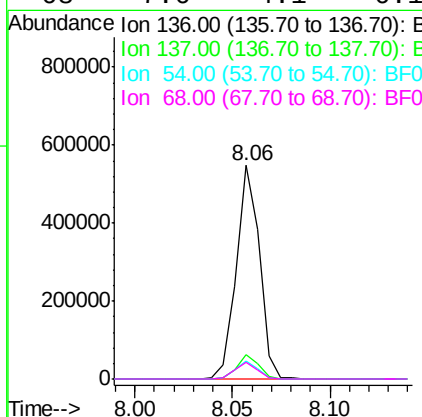
RT: 8.06 min Scan# 1015

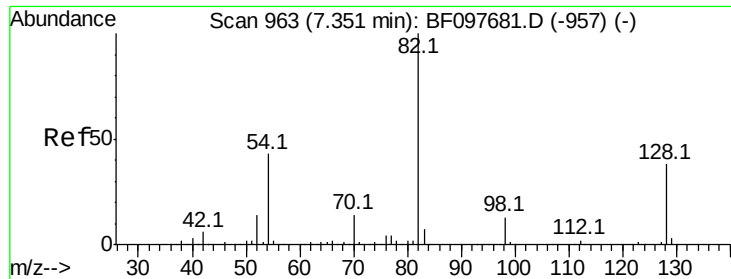
Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		450743		
137	11.3	8.5	12.7		
54	8.2	4.9	7.3#		
68	7.6	4.1	6.1#		





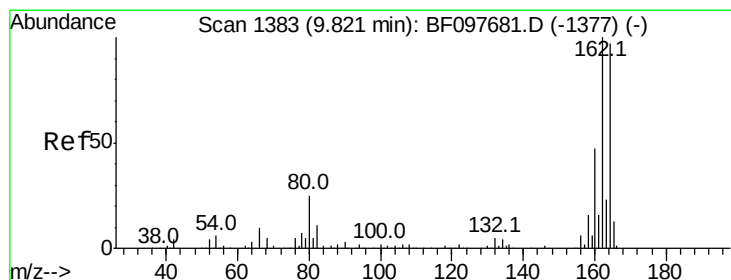
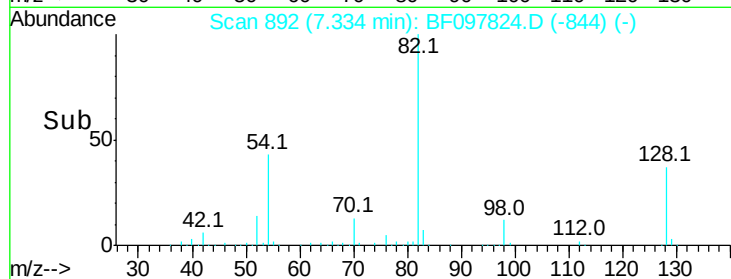
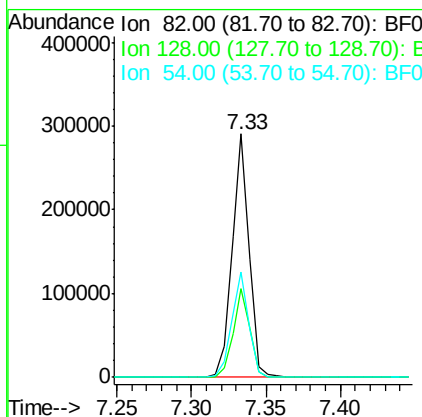
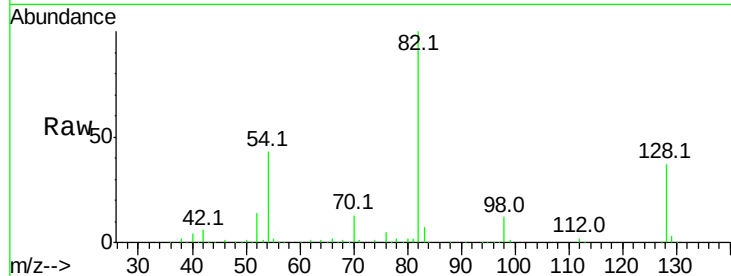
#23
 Nitrobenzene-d5
 Concen: 28.283 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-K10-BASE

Tot Ion:	82	Resp:	234671
Ion Ratio	Lower	Upper	
82	100		
128	36.5	34.0	51.0
54	43.1	42.2	63.2

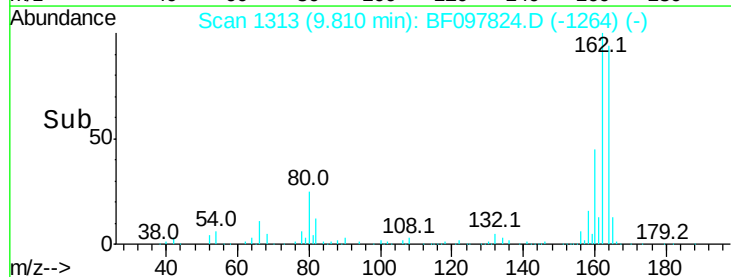
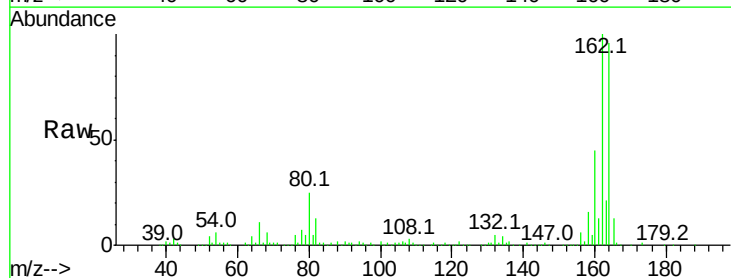
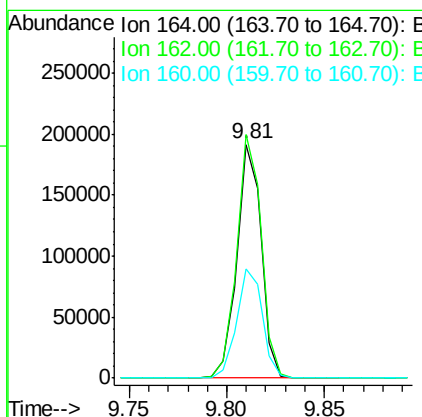
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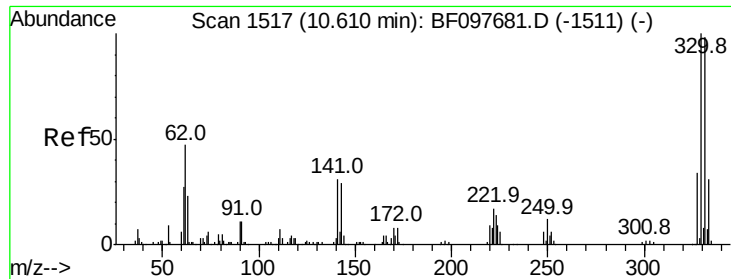
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Tgt Ion:	164	Resp:	165292
Ion Ratio	Lower	Upper	
164	100		
162	104.1	82.6	123.8
160	46.7	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 26.057 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

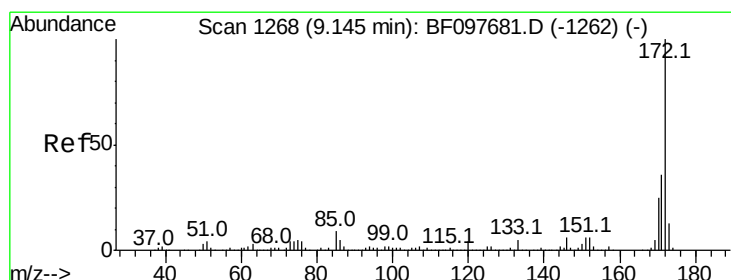
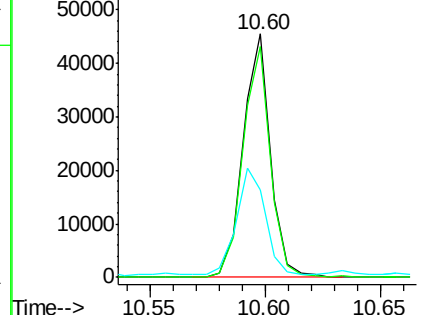
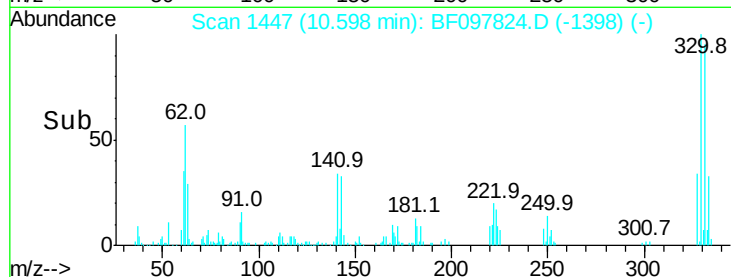
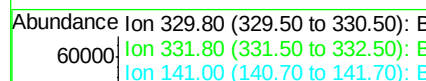
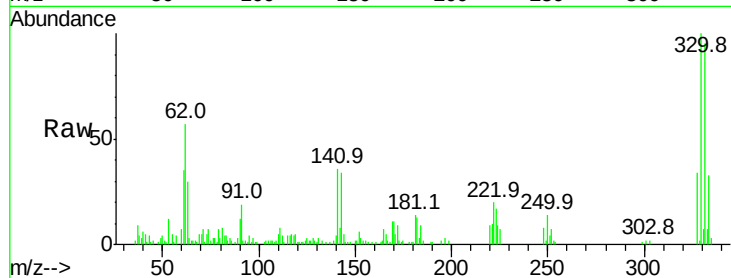
ClientSampleId :

E2-K10-BASE

Tot Ion:	330	Resp:	37371
Ion Ratio	Lower	Upper	
330	100		
332	95.0	76.6	115.0
141	45.7	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 29.533 ng

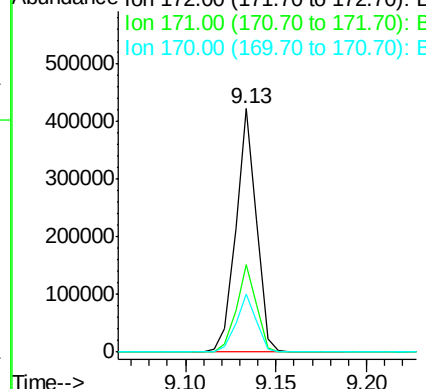
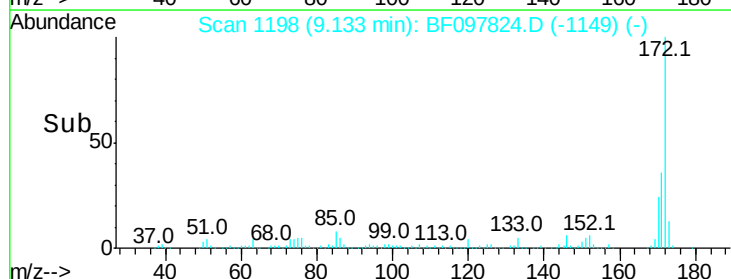
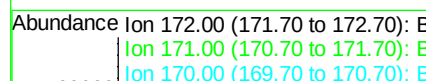
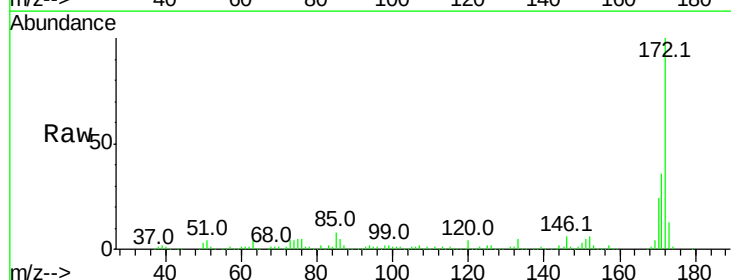
RT: 9.13 min Scan# 1198

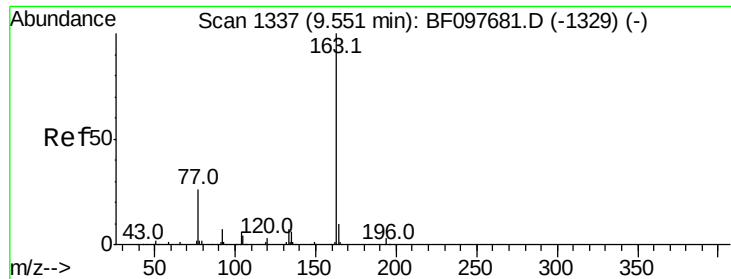
Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Tgt Ion:	172	Resp:	332263
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	23.9	19.8	29.8





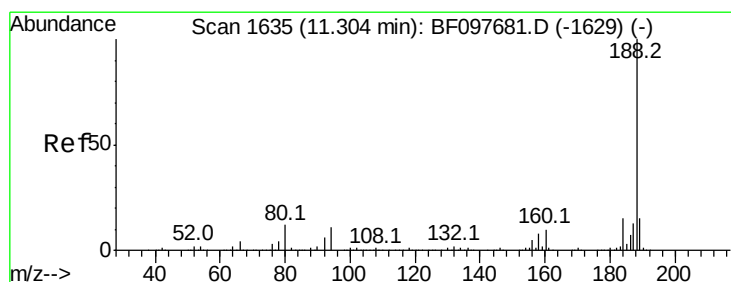
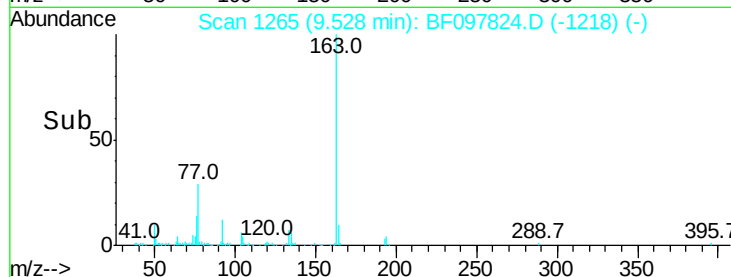
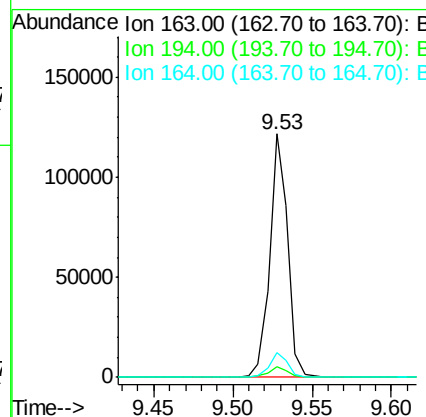
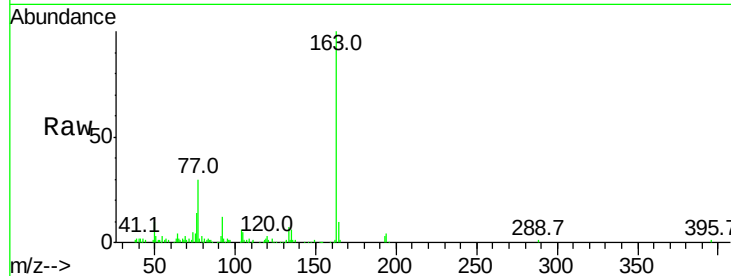
#49
Dimethylphthalate
Concen: 8.017 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	10.0	8.4	12.6

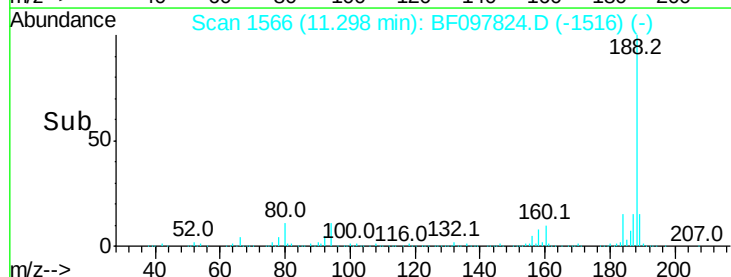
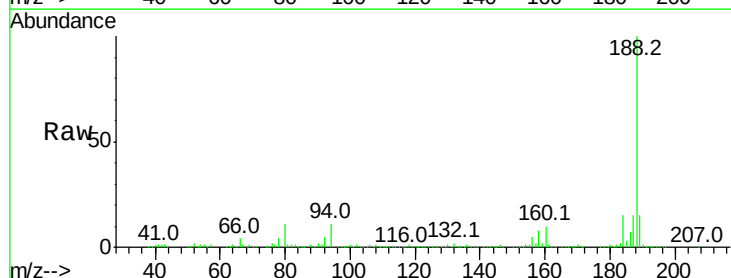
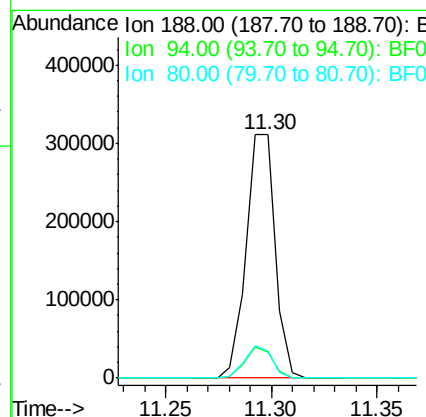
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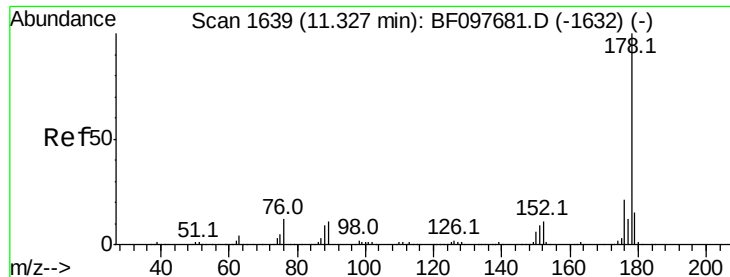
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.3	10.2	15.2





#70

Phenanthrene

Concen: 14.711 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

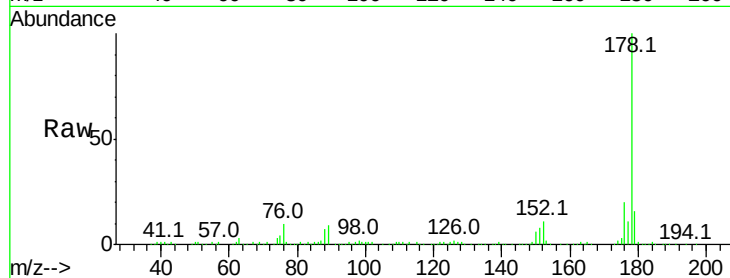
ClientSampleId :

E2-K10-BASE

Tot Ion:178	Resp:	232534
Ion Ratio	Lower	Upper
178	100	
176	19.9	16.2 24.4
179	15.6	12.6 19.0

Manual Integrations
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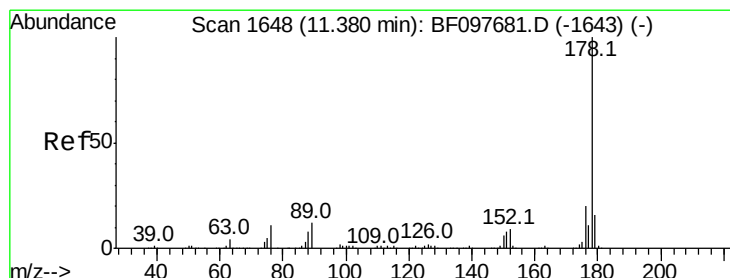
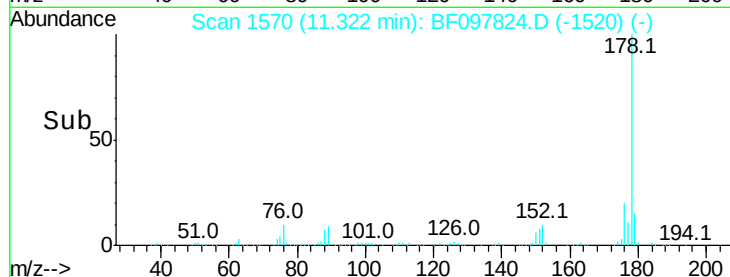
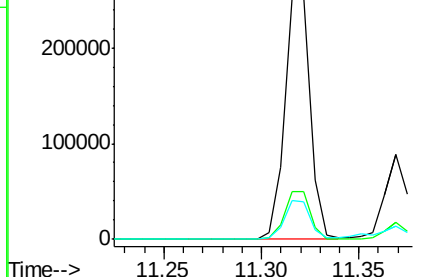
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.308 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF097824.D

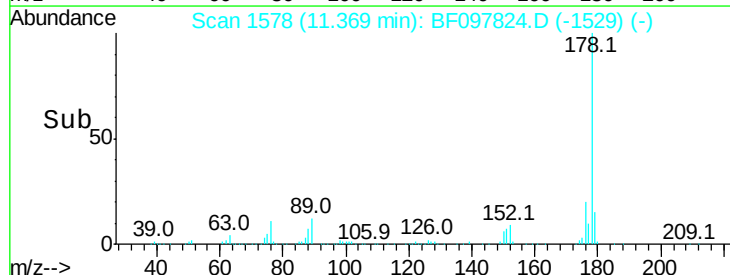
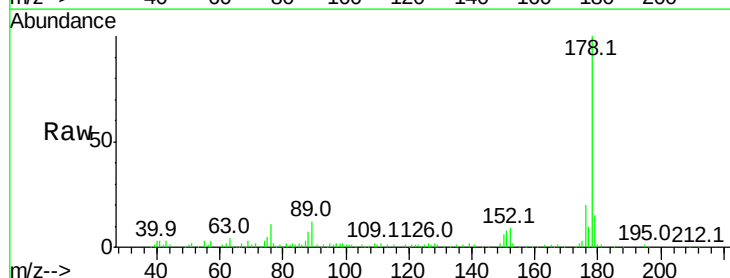
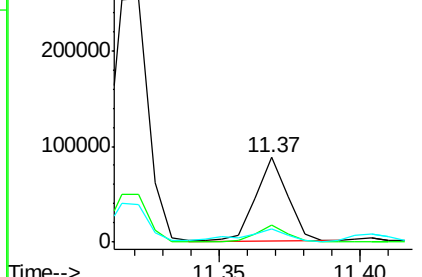
Acq: 18 Aug 2017 9:46

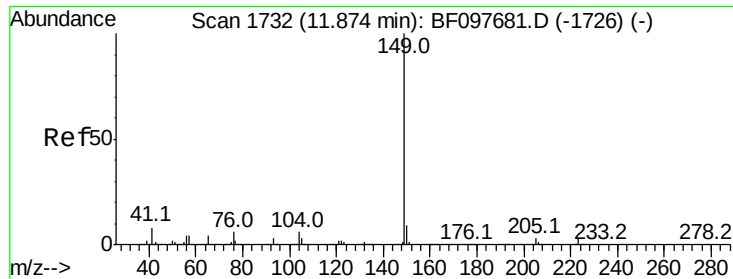
Tgt Ion:178	Resp:	69071
Ion Ratio	Lower	Upper
178	100	
176	20.3	15.8 23.8
179	15.4	12.7 19.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 2.250 ng

RT: 11.86 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

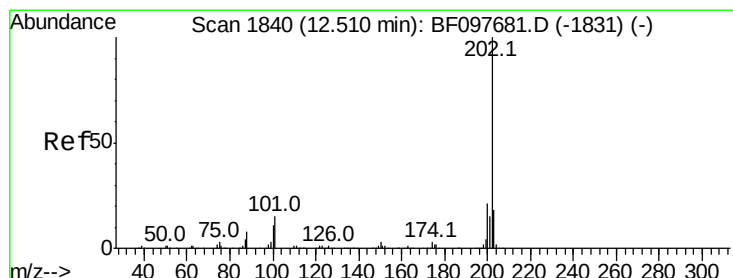
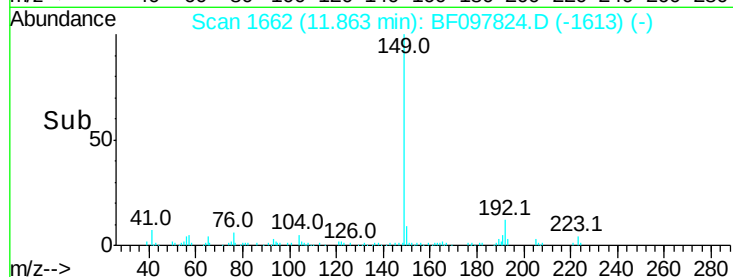
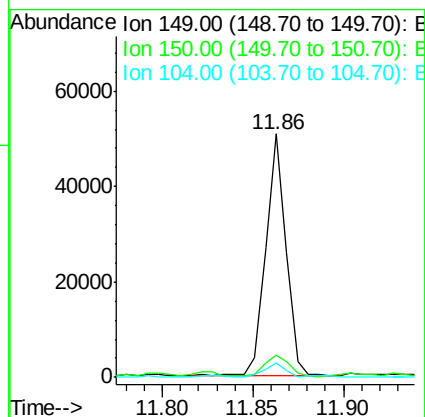
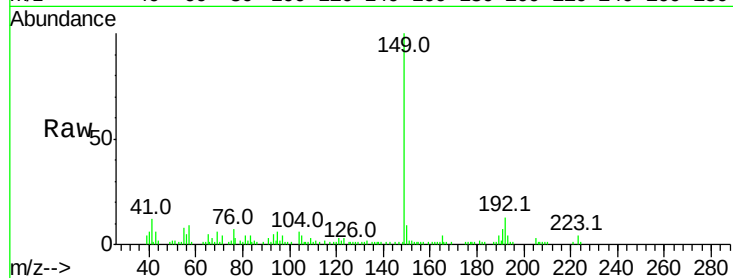
ClientSampleId :

E2-K10-BASE

Tot Ion:	149	Resp:	39442
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.7	11.5
104	6.0	4.0	6.0#

Manual Integrations
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#74

Fluoranthene

Concen: 28.028 ng

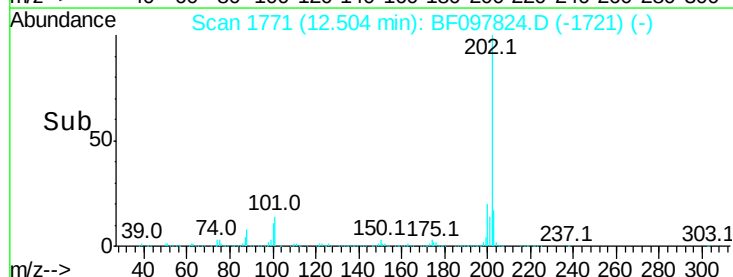
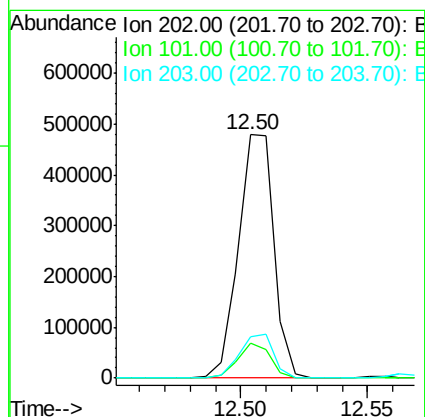
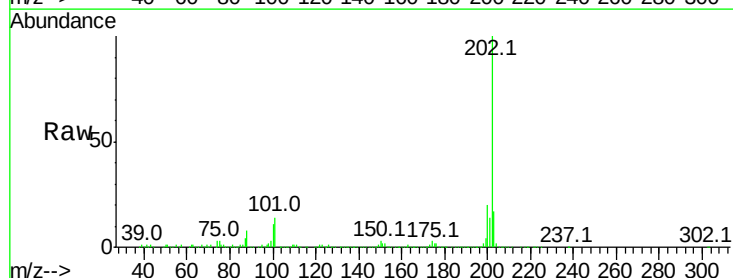
RT: 12.50 min Scan# 1771

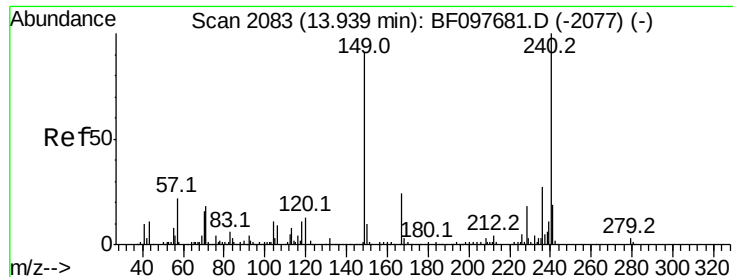
Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Tgt Ion:	202	Resp:	462413
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

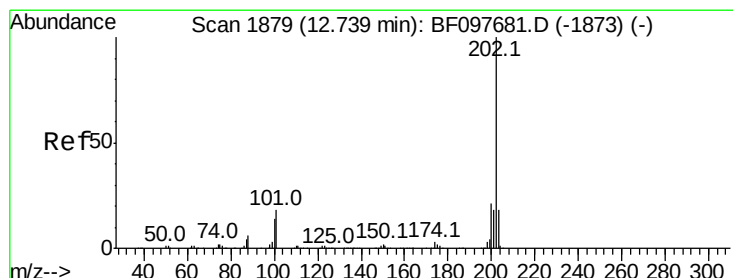
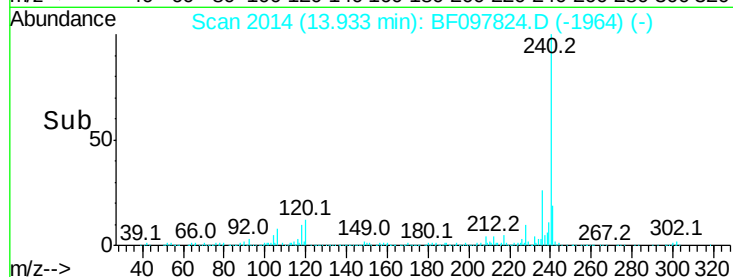
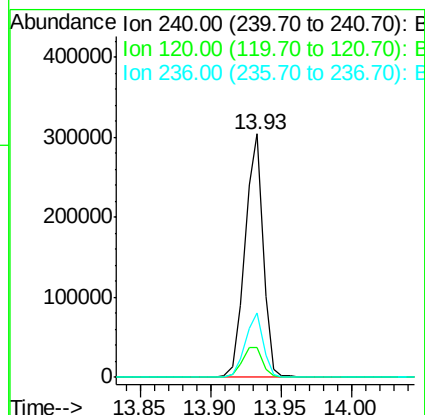
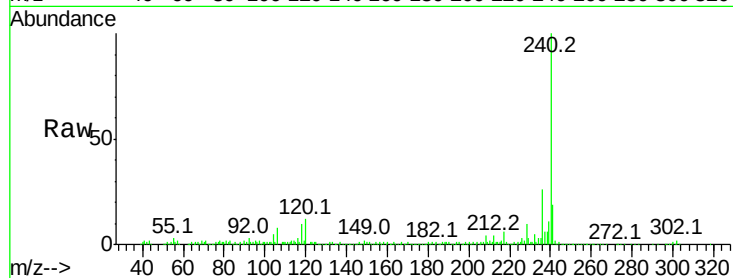
ClientSampleId :

E2-K10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	272209		
120	12.5	5.8	8.8#	
236	26.4	20.5	30.7	

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#77

Pyrene

Concen: 20.105 ng

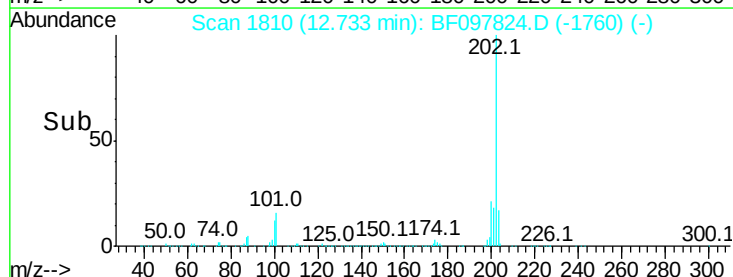
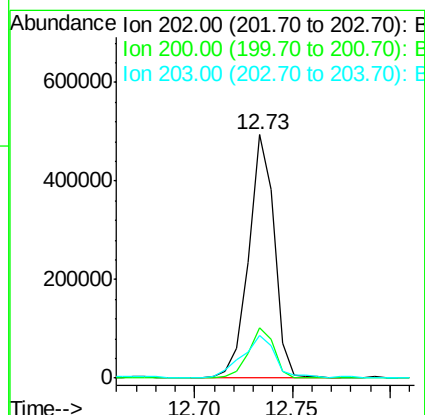
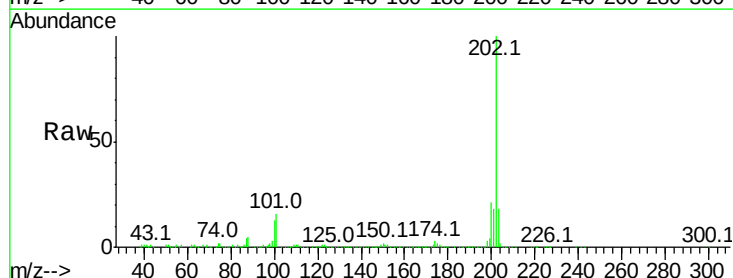
RT: 12.73 min Scan# 1810

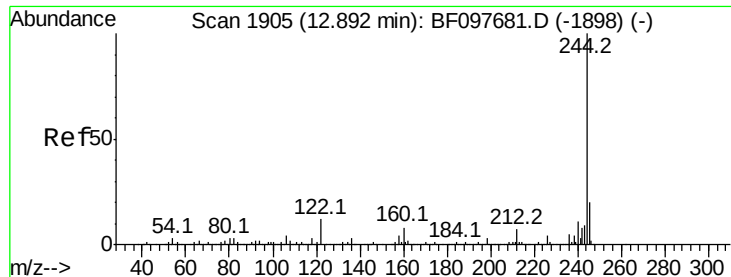
Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	447603		
200	20.6	17.6	26.4	
203	17.5	14.4	21.6	





#78

Terphenyl-d14

Concen: 20.801 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

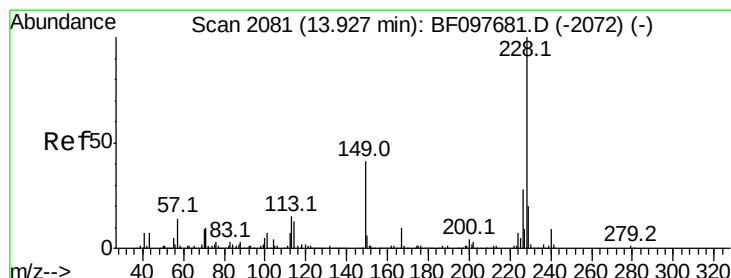
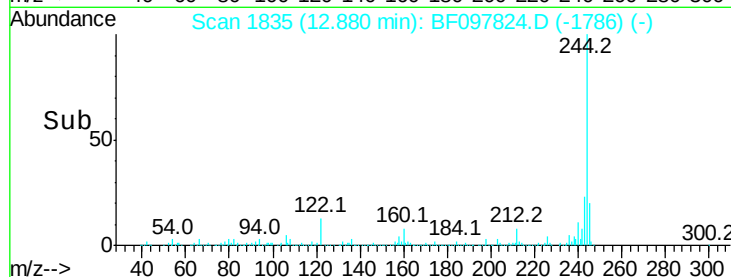
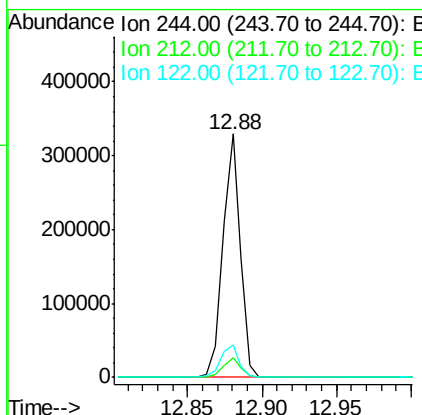
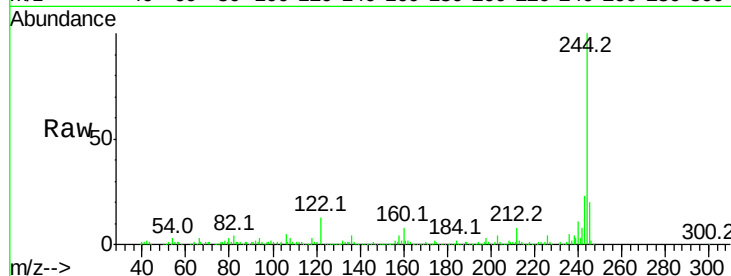
ClientSampleId :

E2-K10-BASE

Tot Ion:	244	Resp:	271528
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.0	9.0
122	13.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 11.933 ng

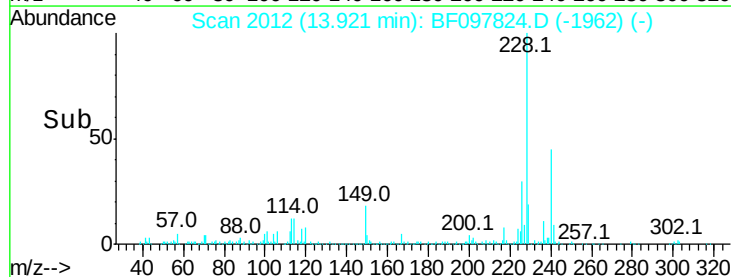
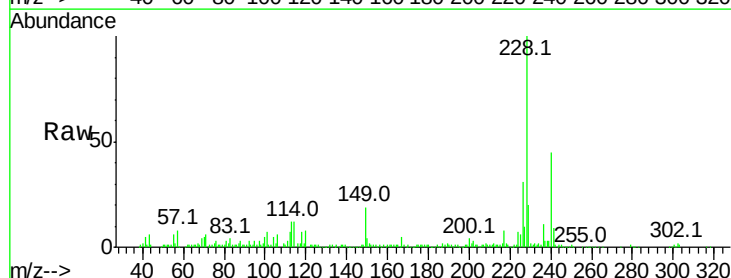
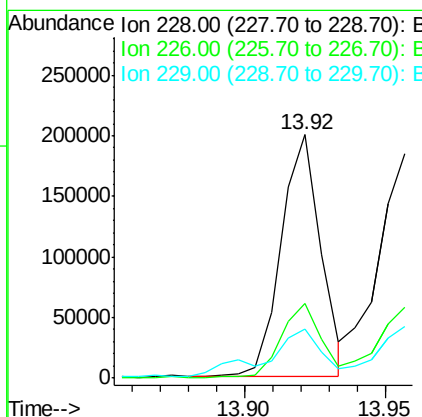
RT: 13.92 min Scan# 2012

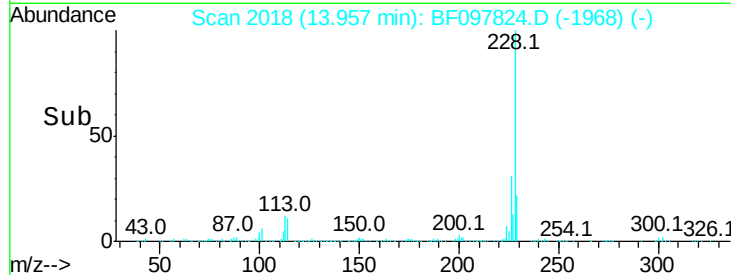
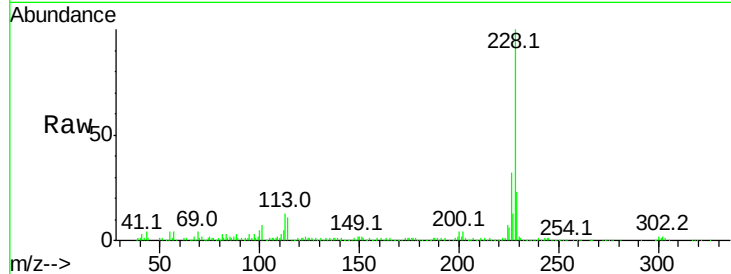
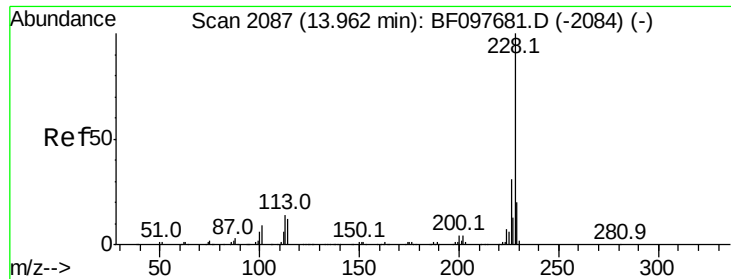
Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Tgt Ion:	228	Resp:	194682
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.6	33.8
229	19.9	16.3	24.5





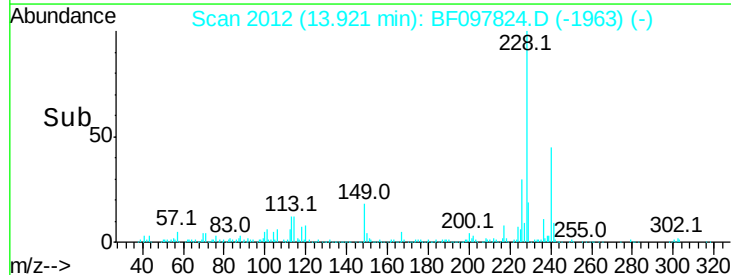
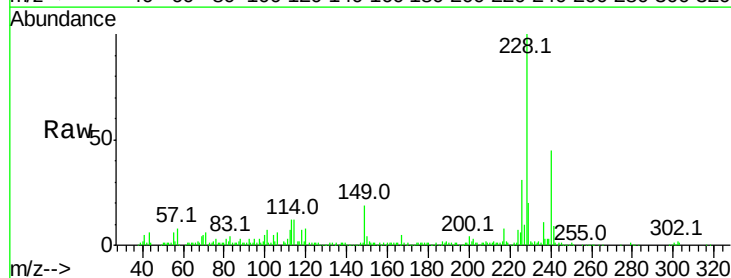
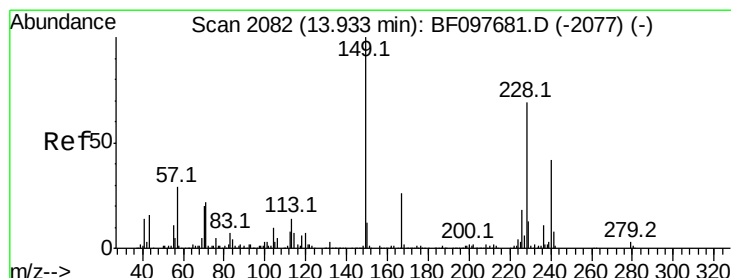
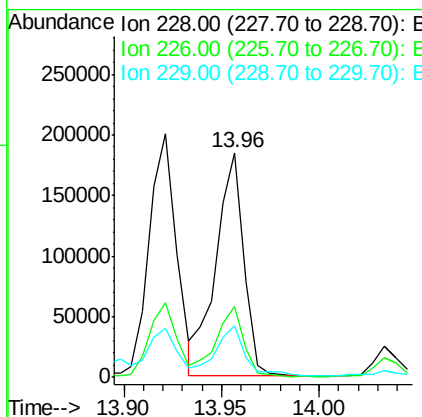
#82
 Chrysene
 Concen: 11.339 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Instrument :
 BNA_F
 ClientSampled :
 E2-K10-BASE

Tot Ion:	228	Resp:	184028
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.9	37.3
229	23.0	15.8	23.6

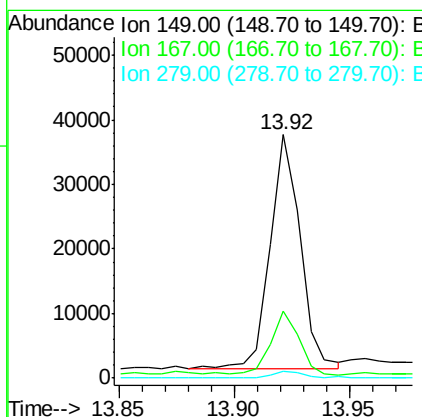
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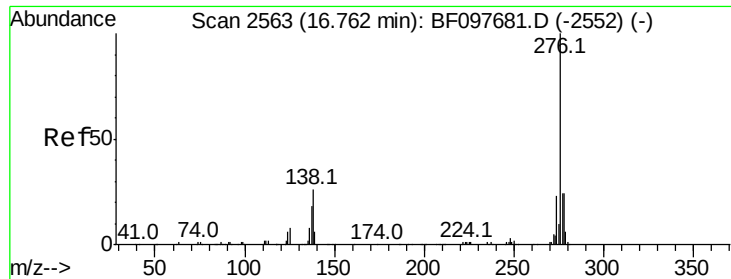
Sohil
 8/18/2017 7:02:45 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.488 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097824.D
 Acq: 18 Aug 2017 9:46

Tgt Ion:	149	Resp:	32992
Ion Ratio	Lower	Upper	
149	100		
167	27.4	21.0	31.4
279	2.9	1.9	2.9#





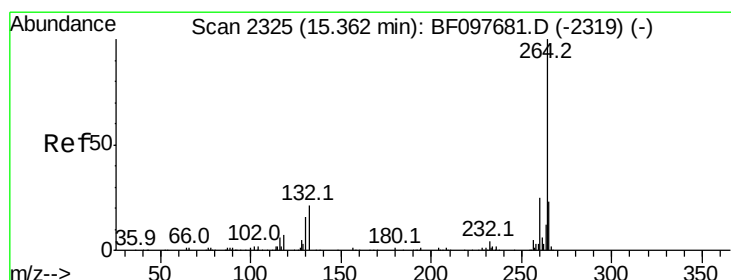
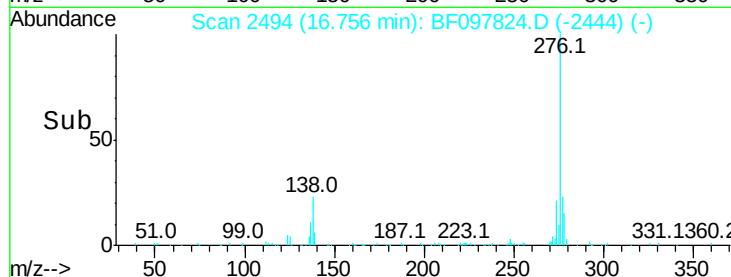
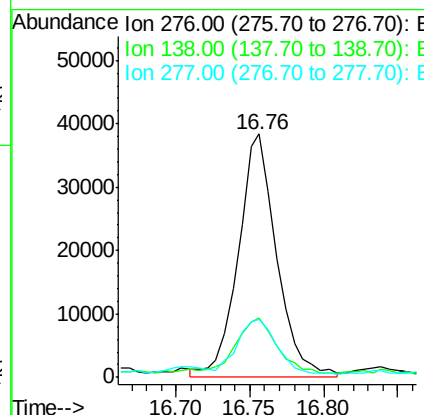
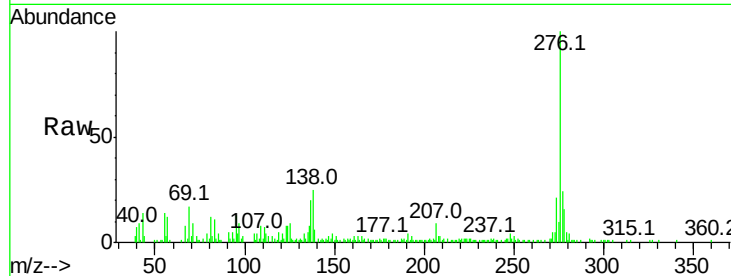
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.841 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.0	27.8	41.6#
277	5.5	20.2	30.4#

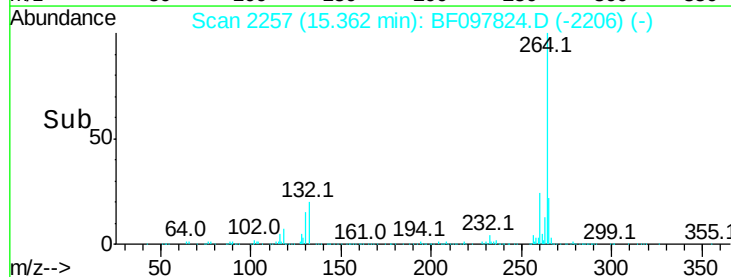
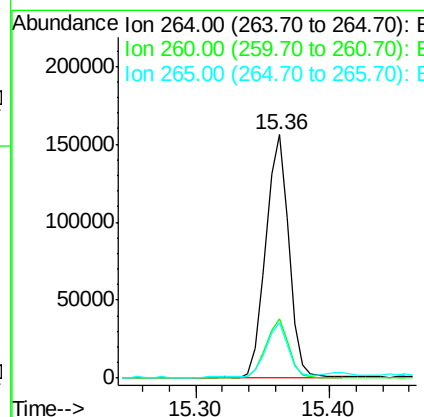
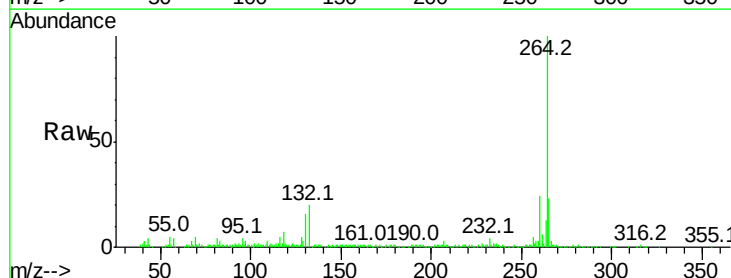
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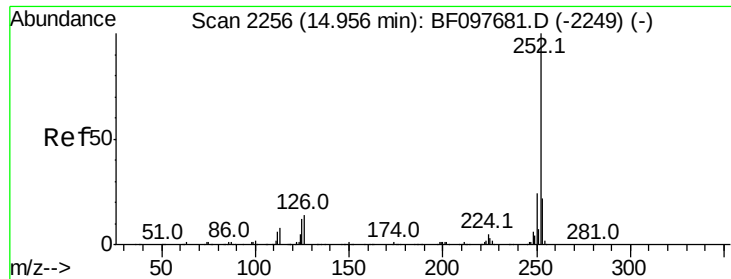
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.7	17.2	25.8





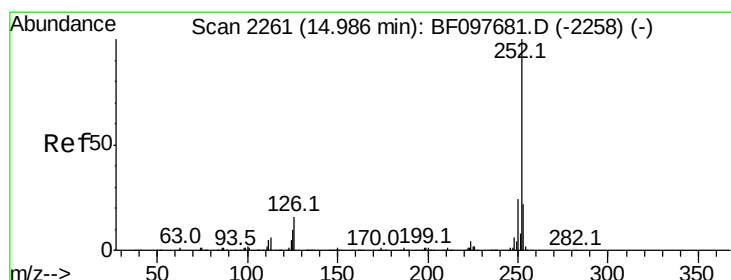
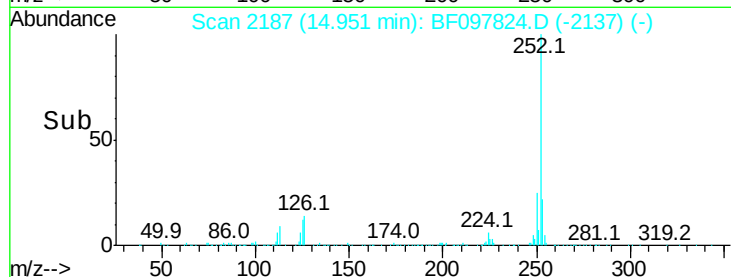
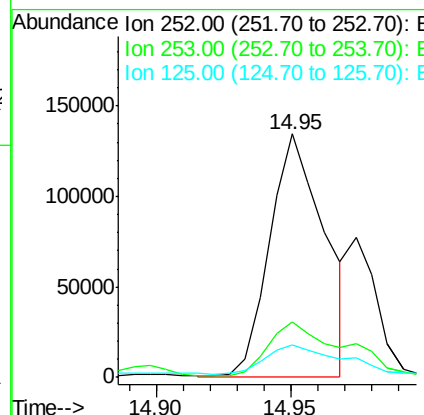
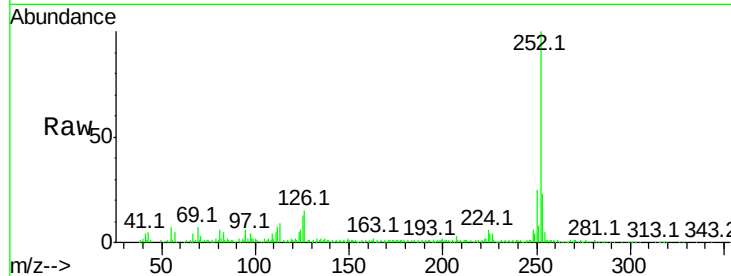
#87
Benzo(b)fluoranthene
Concen: 16.212 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampleId :
E2-K10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	13.4	9.8	14.8

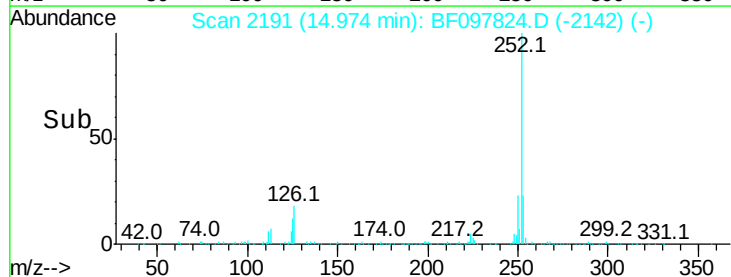
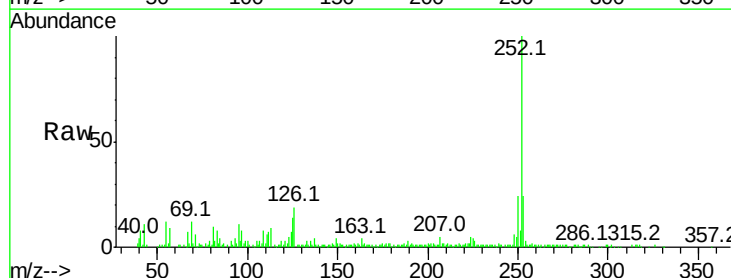
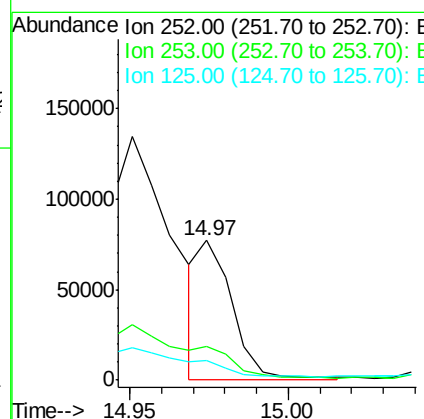
Manual Integrations
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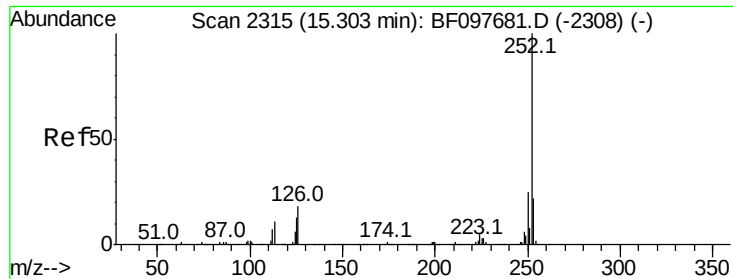
Sohil
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#88
Benzo(k)fluoranthene
Concen: 5.214 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	14.4	13.1	19.7





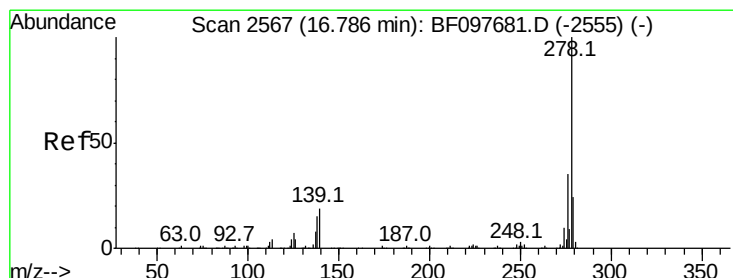
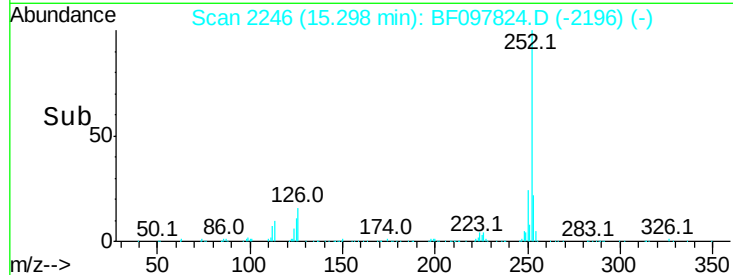
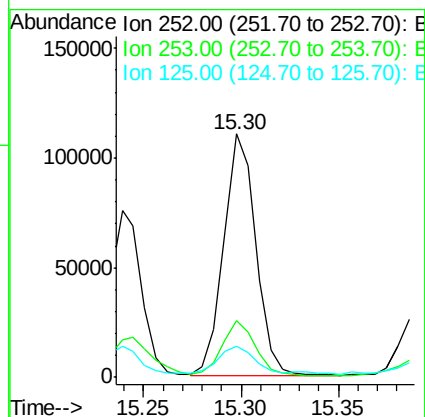
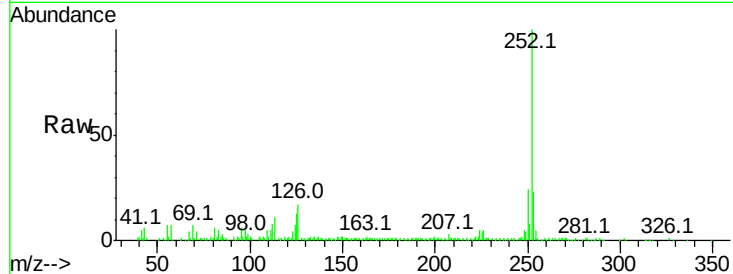
#89
Benzo(a)pyrene
Concen: 12.096 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Instrument :
BNA_F
ClientSampled :
E2-K10-BASE

Tot Ion:	252	Resp:	126708
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	13.0	11.0	16.4

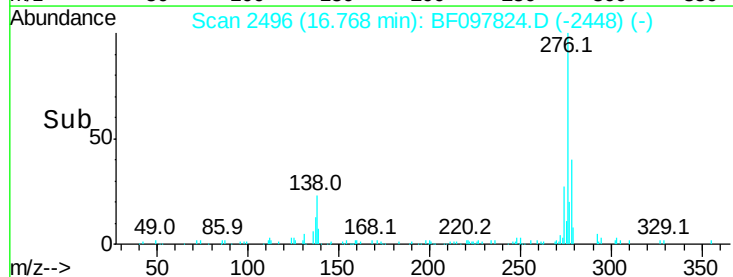
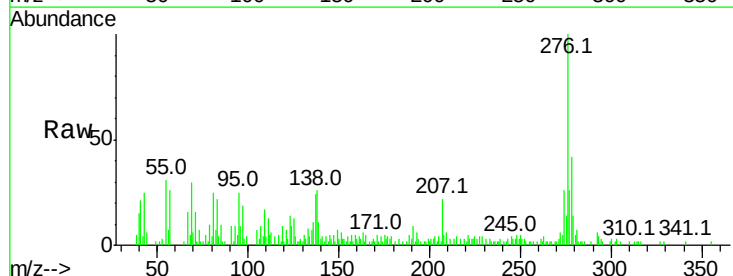
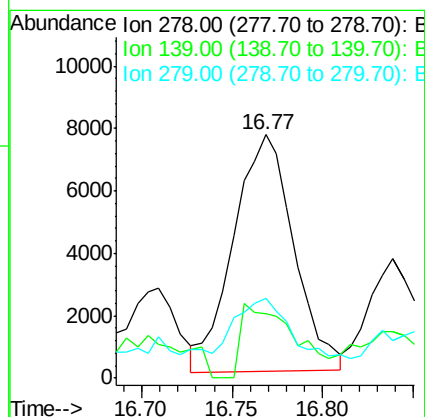
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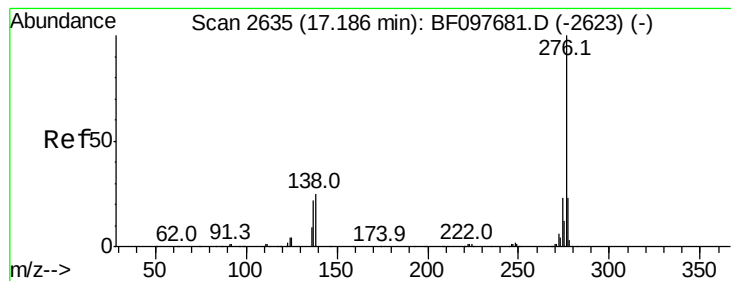
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.063 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF097824.D
Acq: 18 Aug 2017 9:46

Tgt Ion:	278	Resp:	17595
Ion Ratio	Lower	Upper	
278	100		
139	26.3	16.6	24.8#
279	33.0	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 7.279 ng

RT: 17.17 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BF097824.D

Acq: 18 Aug 2017 9:46

Instrument :

BNA_F

ClientSampleId :

E2-K10-BASE

Tot Ion:	276	Resp:	64774
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	28.9	25.4	38.0

Manual Integrations
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