

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097510.D
 Acq On : 9 Aug 2017 11:18
 Operator : SJ/JU
 Sample : I4614-04REDL 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESWREDL

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:17:07 PM

Quant Time: Aug 09 16:16:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	93793	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	374959	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	132466	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	186355	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	169460	20.00	ng	0.00
86) Perylene-d12	14.87	264	117725	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	335392	53.91	ng	0.00
7) Phenol-d6	6.07	99	403384	56.79	ng	-0.01
23) Nitrobenzene-d5	6.97	82	213356	33.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	48267	46.12	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	346730	44.42	ng	0.00
78) Terphenyl-d14	12.49	244	216968	26.10	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.30	152	37398	2.926	ng	96
49) Dimethylphthalate	9.17	163	54891	5.457	ng	# 99
70) Phenanthrene	10.93	178	126576	12.677	ng	96
71) Anthracene	10.99	178	33875	3.312	ng	99
73) Di-n-butylphthalate	11.49	149	49281	3.964	ng	99
74) Fluoranthene	12.11	202	176980	18.093	ng	97
77) Pyrene	12.33	202	222434	16.033	ng	100
80) Benzo(a)anthracene	13.52	228	87052	7.939	ng	97
82) Chrysene	13.56	228	73893	6.902	ng	95
85) Indeno(1,2,3-cd)pyrene	16.07	276	32322	3.521	ng	95
87) Benzo(b)fluoranthene	14.53	252	73030m	10.320	ng	
88) Benzo(k)fluoranthene	14.54	252	25647m	3.803	ng	
89) Benzo(a)pyrene	14.82	252	57508	8.879	ng	# 95
91) Benzo(a,h,i)perylene	16.42	276	32652	5.862	ng	94

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

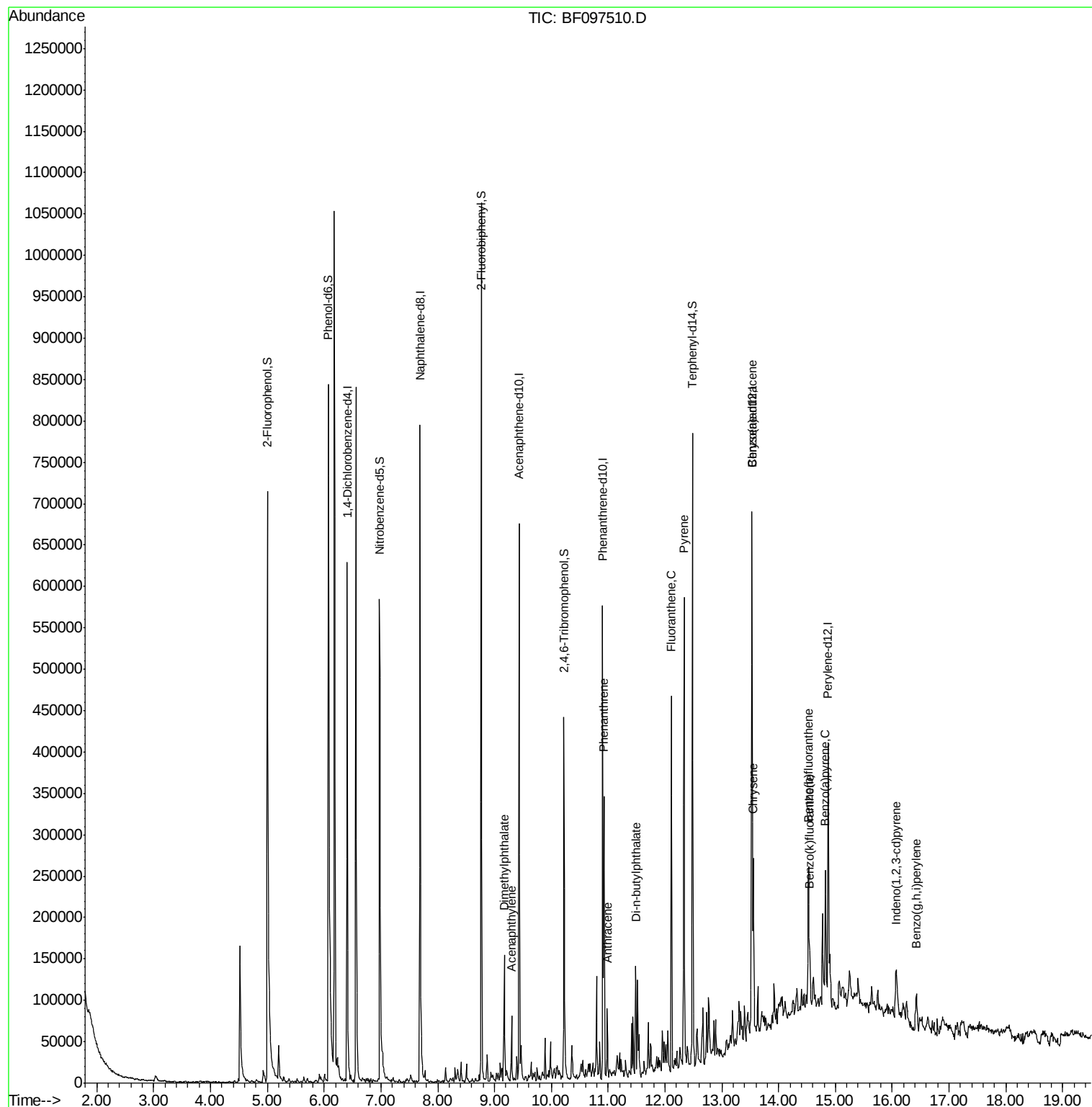
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
Data File : BF097510.D
Acq On : 9 Aug 2017 11:18
Operator : SJ/JU
Sample : I4614-04REDL 2X
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ALS Vial : 34 Sample Multiplier: 1

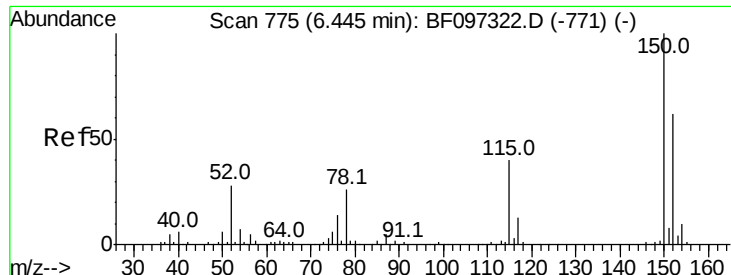
Instrument :
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E2-M10-ESWREDL

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#1

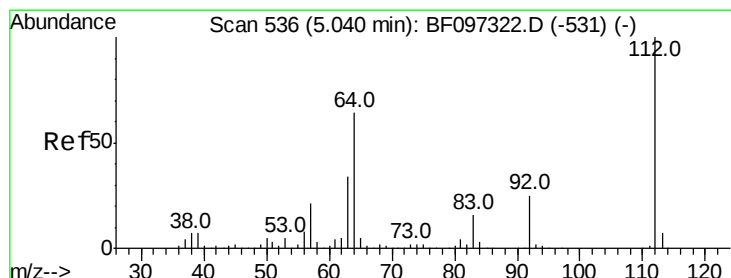
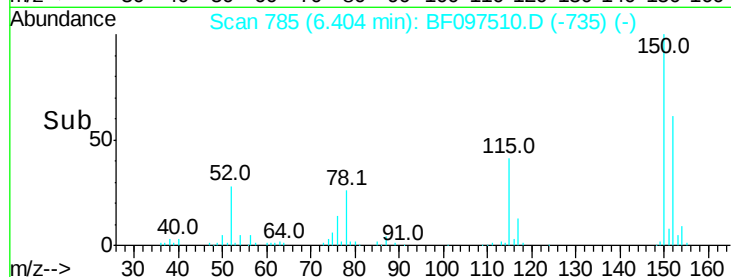
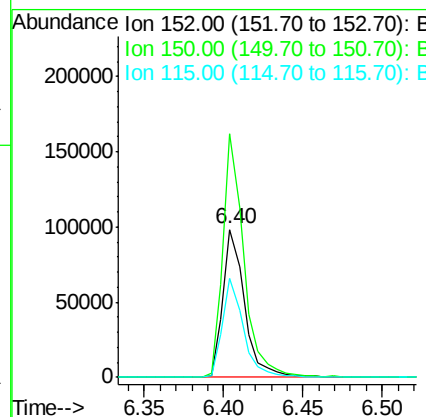
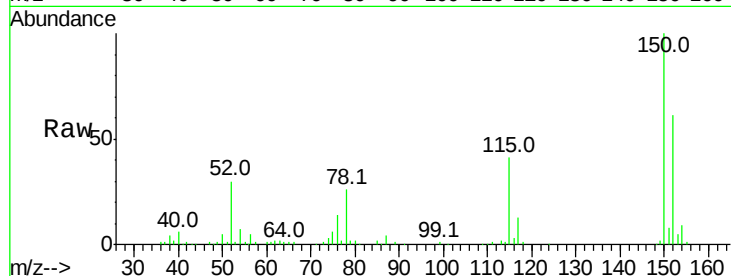
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESWREDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	126.2	189.2
115	67.2	52.2	78.2

Manual Integrations
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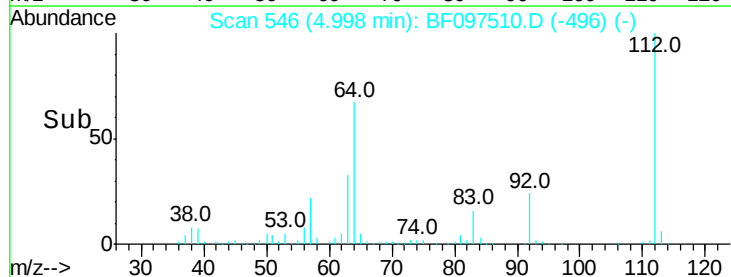
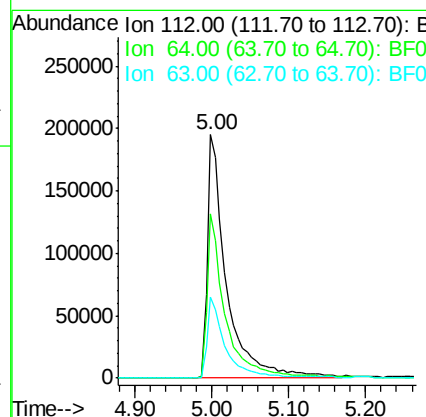
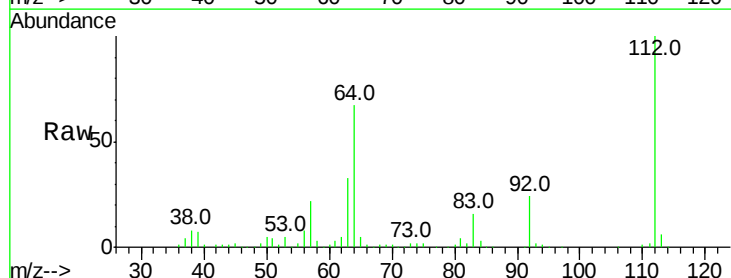
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#5

2-Fluorophenol
Concen: 53.906 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	46.0	69.0
63	33.2	23.4	35.0





#7

Phenol-d6

Concen: 56.791 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Instrument :

BNA_F

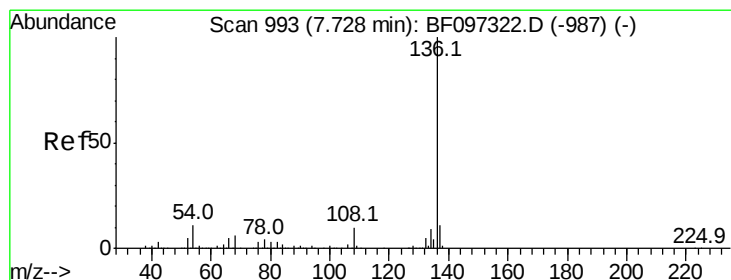
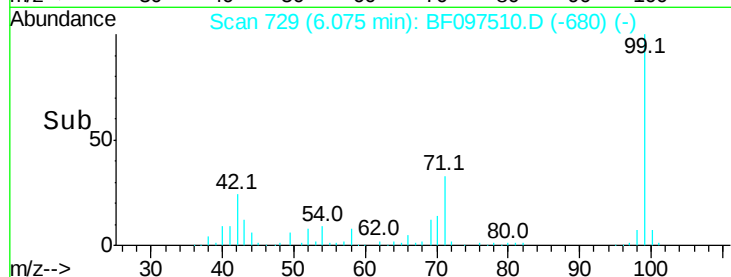
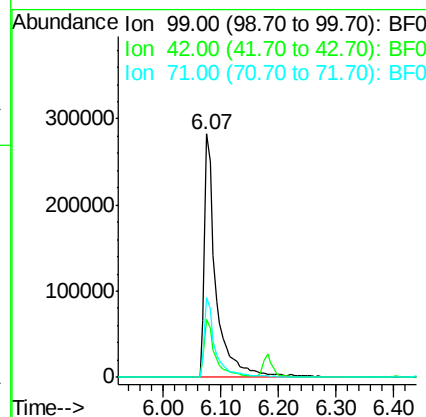
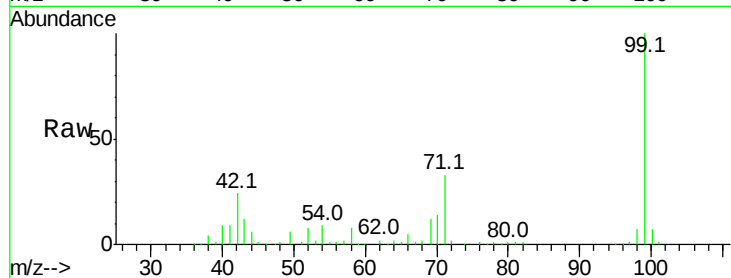
ClientSampleId :

E2-M10-ESWREDL

Tot Ion:	99	Resp:	403384
Ion Ratio	Lower	Upper	
99	100		
42	24.0	13.5	20.3#
71	32.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

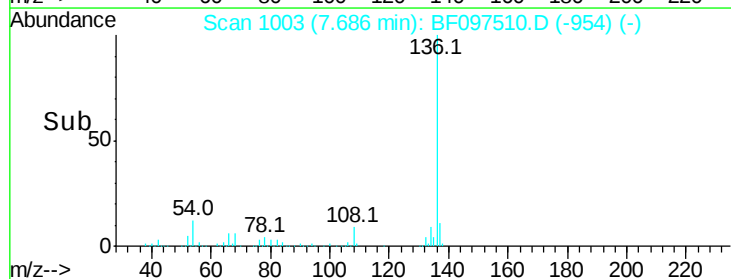
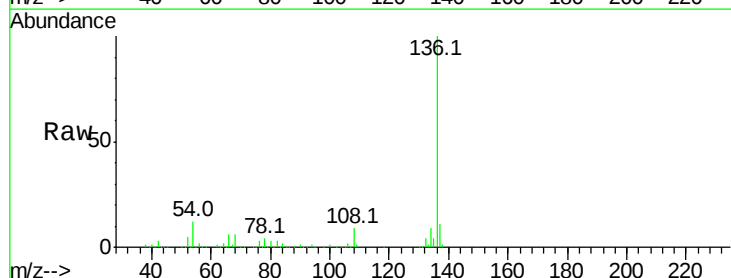
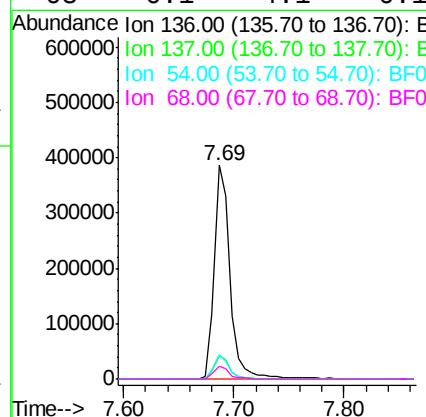
RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Tgt Ion:	136	Resp:	374959
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	11.6	4.9	7.3#
68	6.1	4.1	6.1





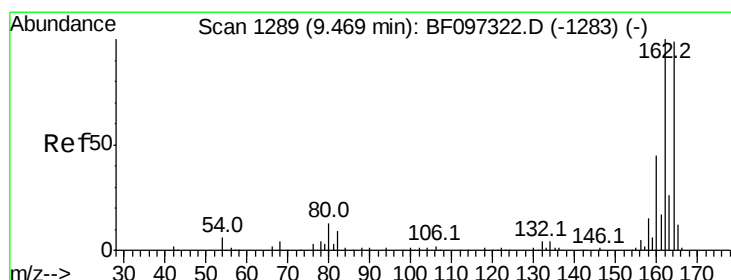
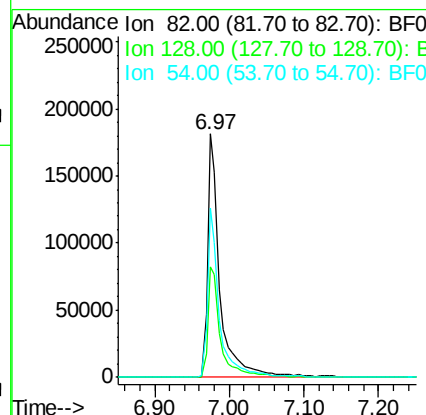
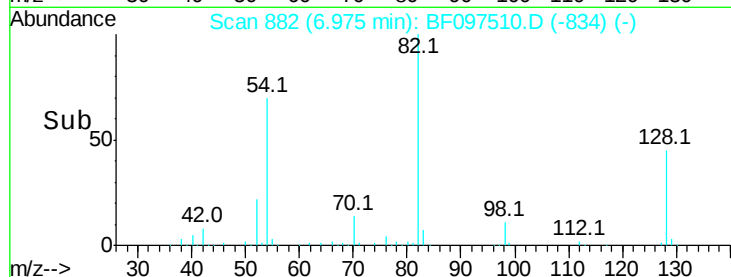
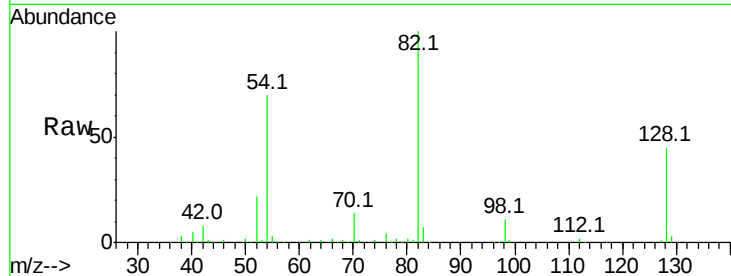
#23
Nitrobenzene-d5
Concen: 33.380 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESWREDL

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	45.4	34.0	51.0
54	69.8	42.2	63.2

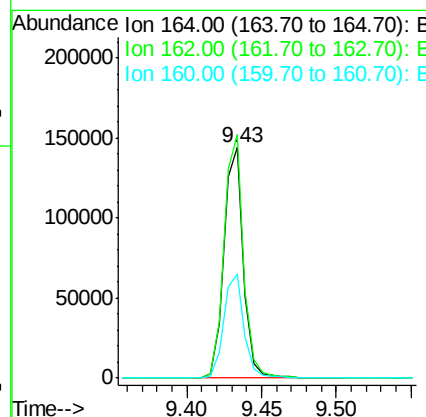
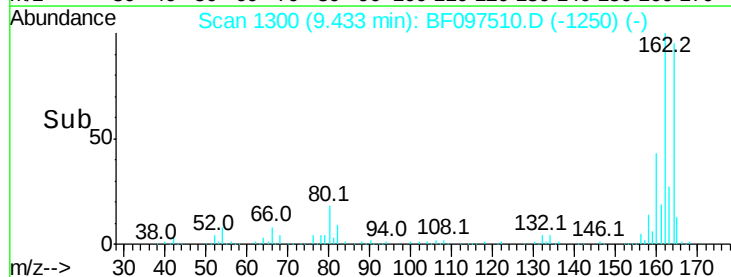
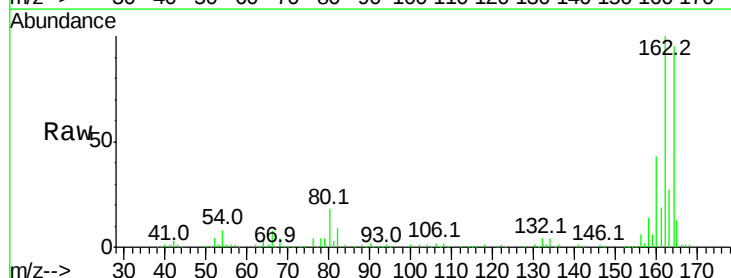
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	105.7	82.6	123.8
160	45.1	36.2	54.2





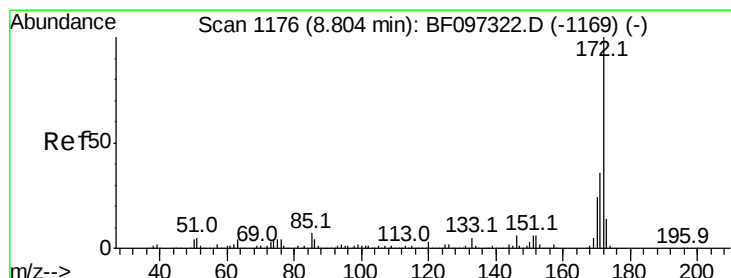
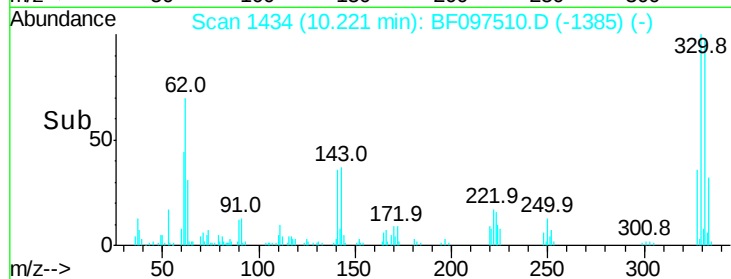
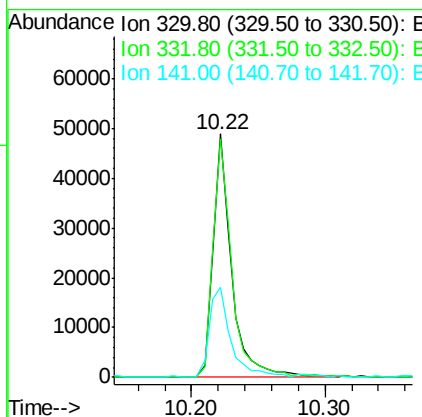
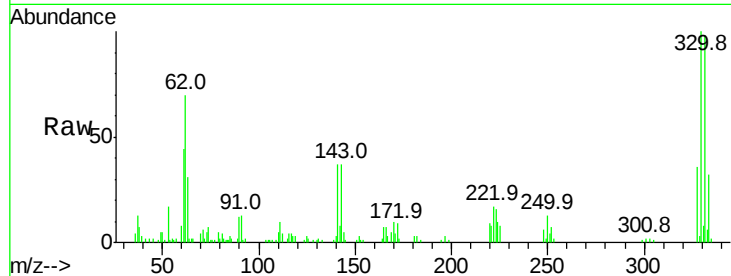
#41
 2,4,6-Tribromophenol
 Concen: 46.117 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097510.D
 Acq: 9 Aug 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESWREDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	76.6	115.0
141	42.4	31.4	47.2

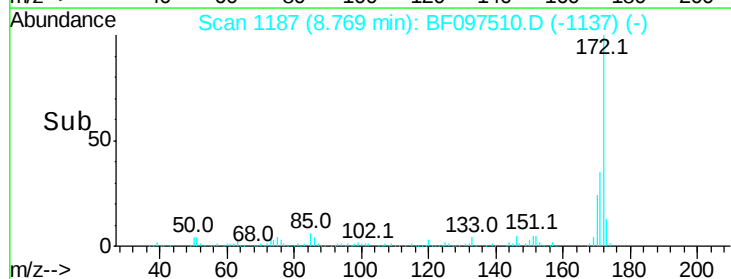
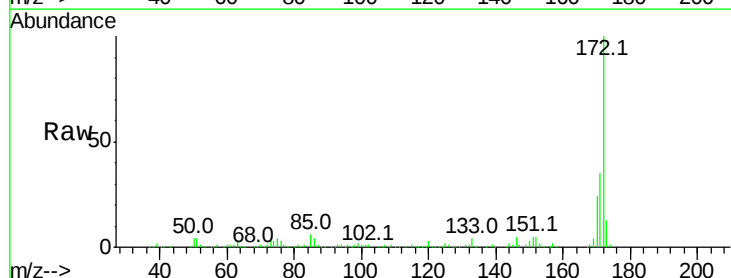
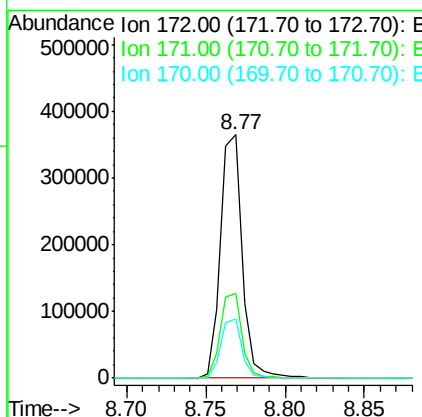
Manual Integrations
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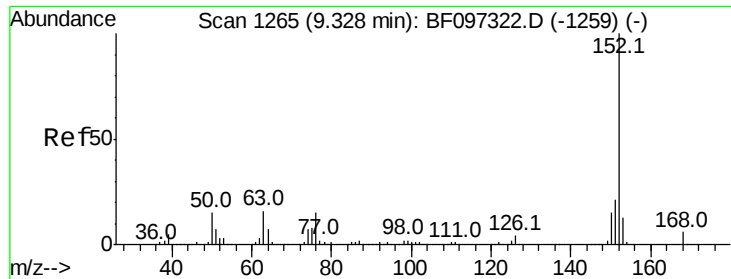
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#44
 2-Fluorobiphenyl
 Concen: 44.422 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097510.D
 Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	24.2	19.8	29.8





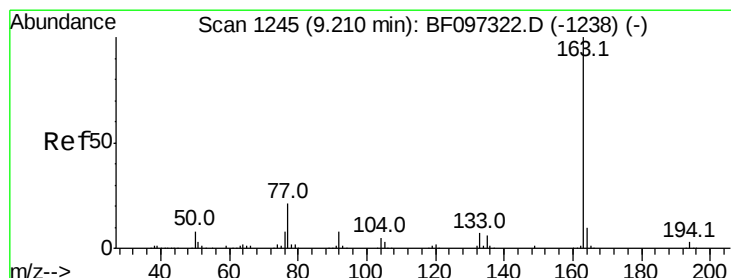
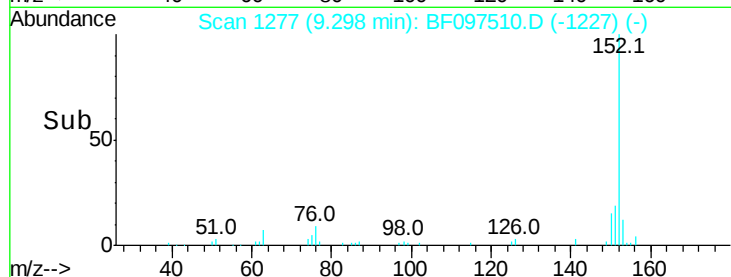
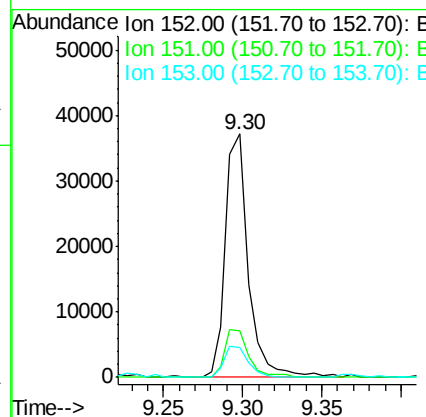
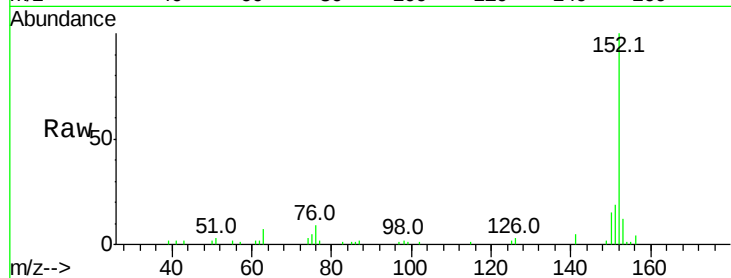
#48
Acenaphthylene
Concen: 2.926 ng
RT: 9.30 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESWREDL

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.3		16.8	25.2
153	12.0		10.8	16.2

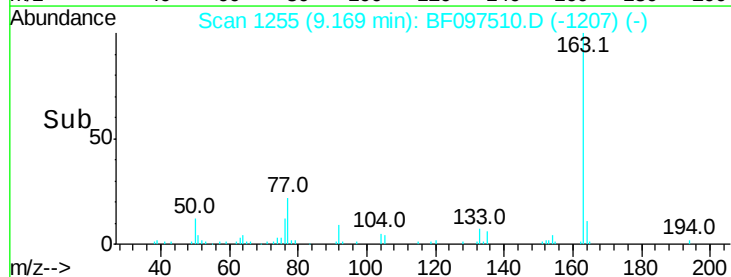
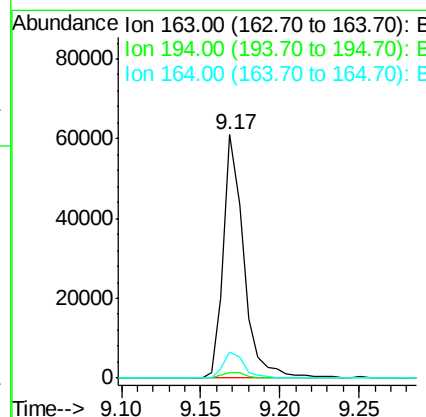
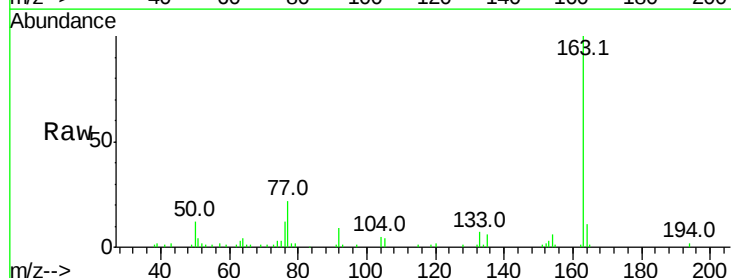
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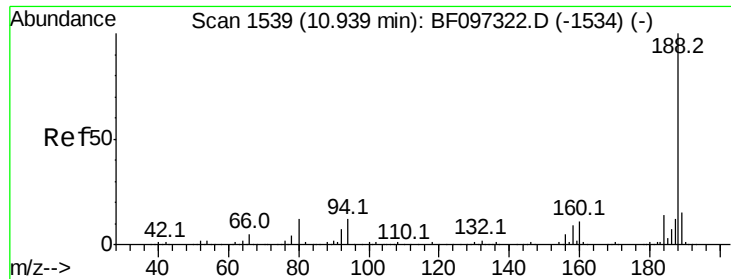
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#49
Dimethylphthalate
Concen: 5.457 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.2		2.6	4.0#
164	10.7		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.90 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Instrument :

BNA_F

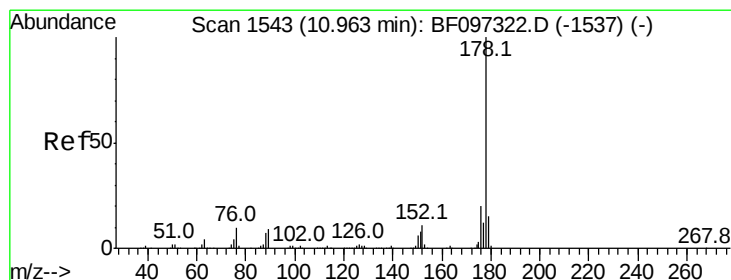
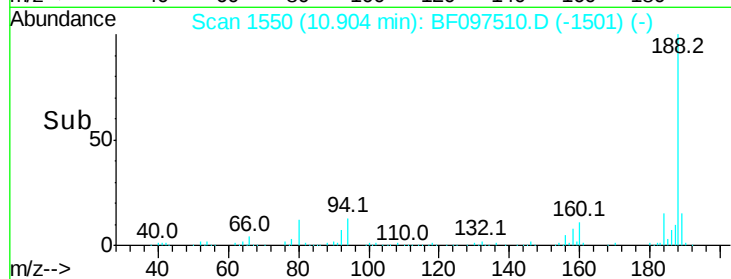
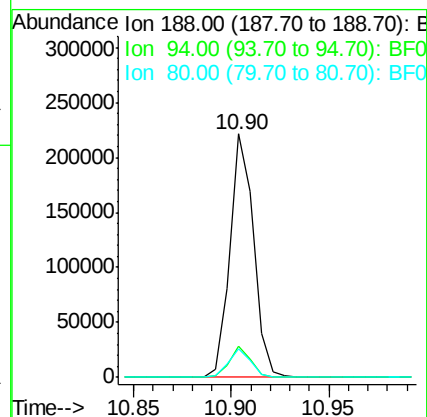
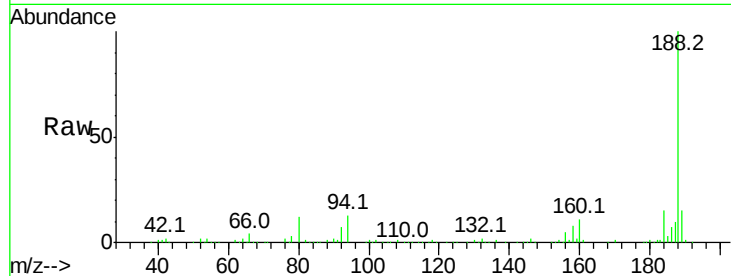
ClientSampleId :

E2-M10-ESWREDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	186355		
94	12.6		9.4	14.2
80	11.8		10.2	15.2

Manual Integrations
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#70

Phenanthrene

Concen: 12.677 ng

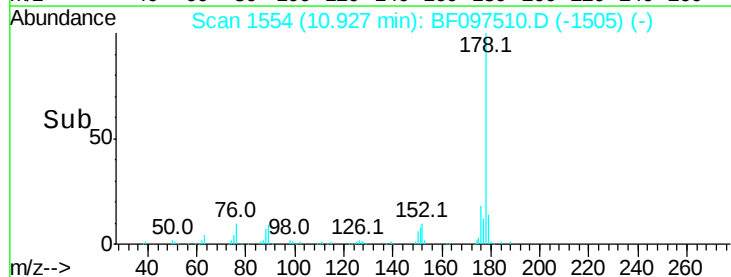
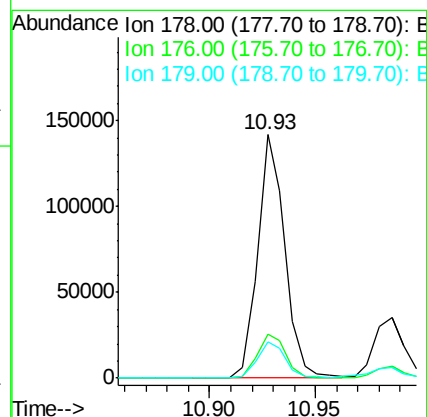
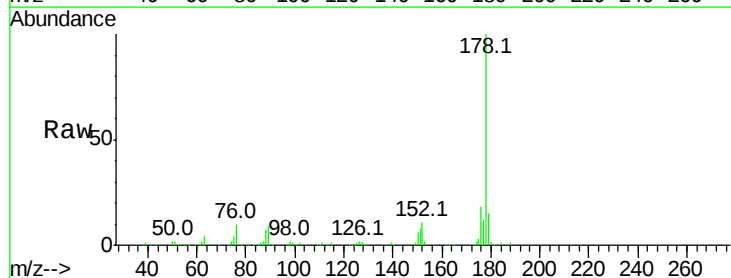
RT: 10.93 min Scan# 1554

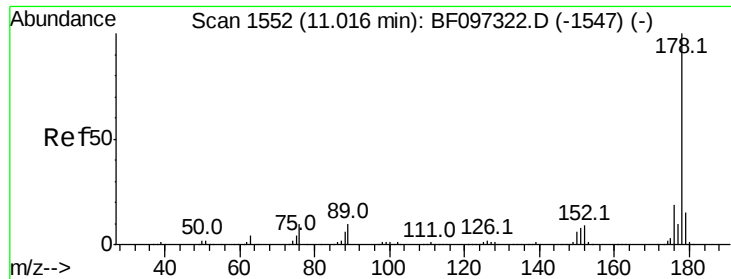
Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	126576		
176	18.1		16.2	24.4
179	14.7		12.6	19.0





#71

Anthracene

Concen: 3.312 ng

RT: 10.99 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Instrument :

BNA_F

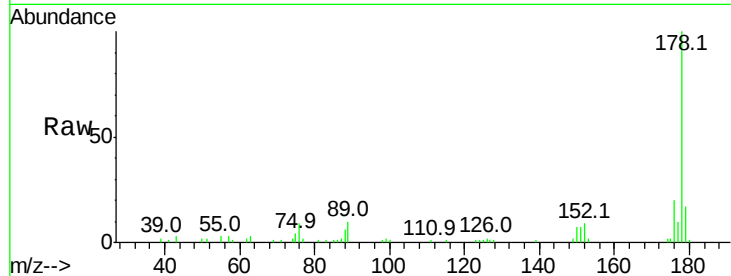
ClientSampleId :

E2-M10-ESWREDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.9	12.7	19.1

Manual Integrations
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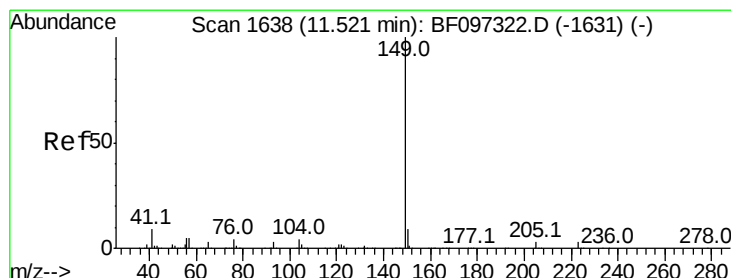
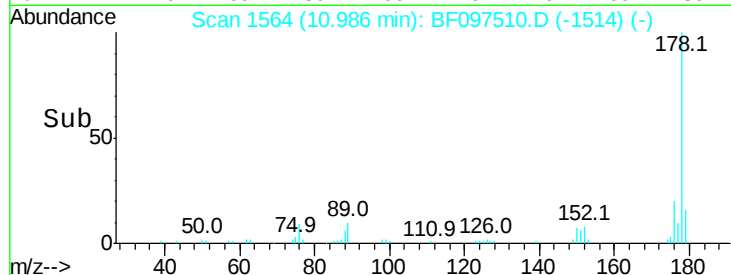
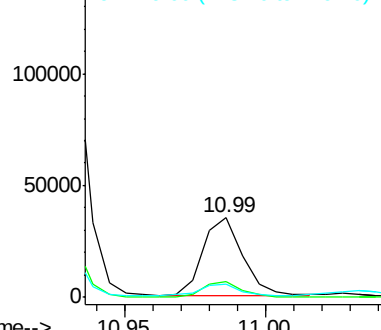


Abundance

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



#73

Di-n-butylphthalate

Concen: 3.964 ng

RT: 11.49 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

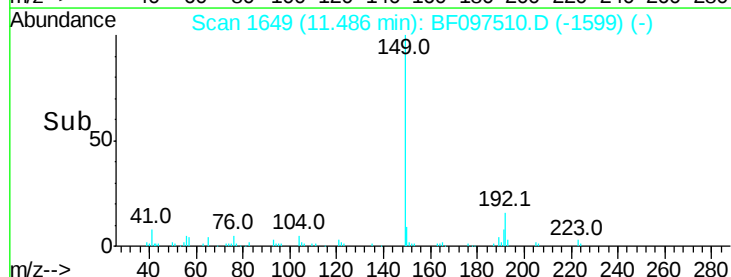
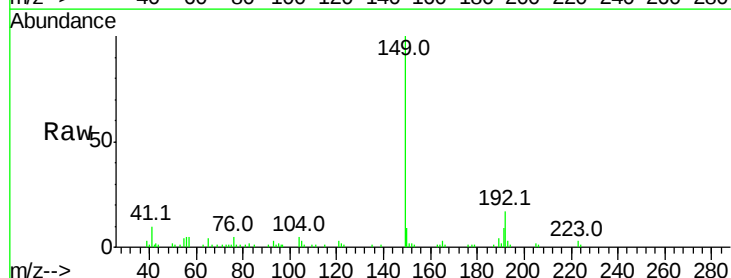
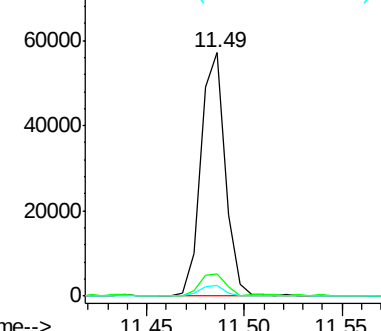
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	4.6	4.0	6.0

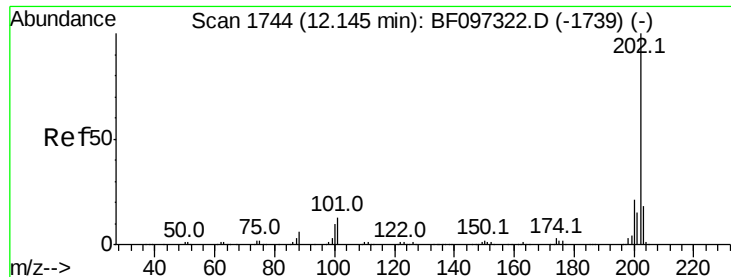
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 18.093 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Instrument :

BNA_F

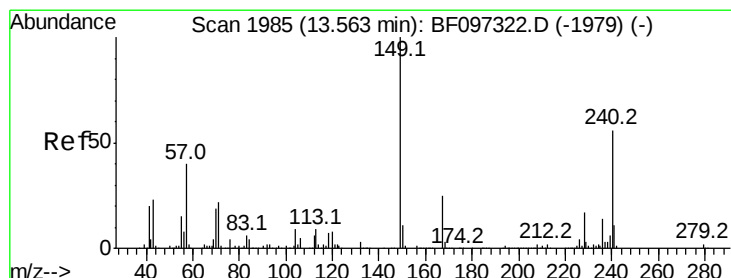
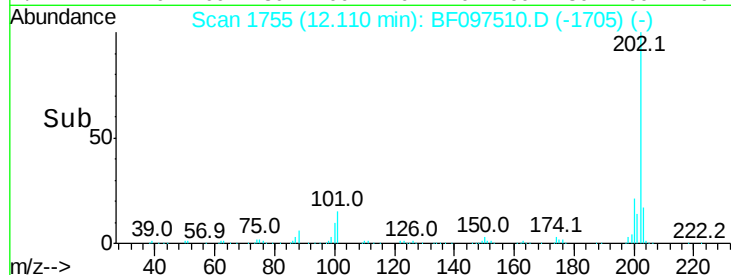
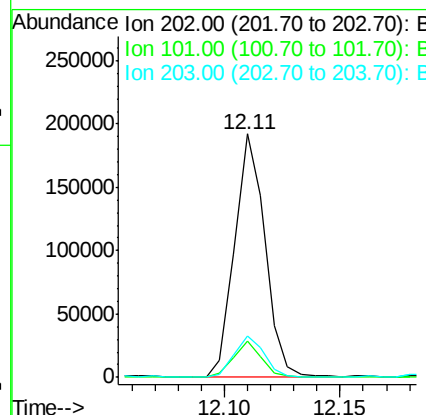
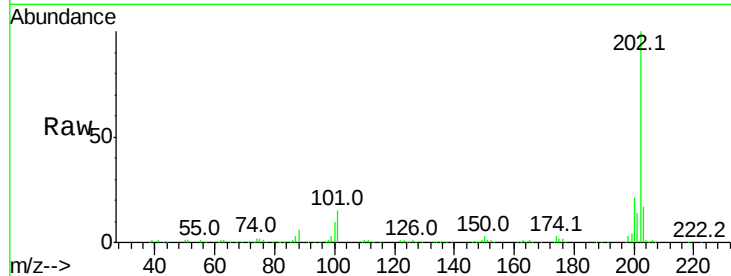
ClientSampleId :

E2-M10-ESWREDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		176980		
101	14.7	0.0	33.2		
203	16.9	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

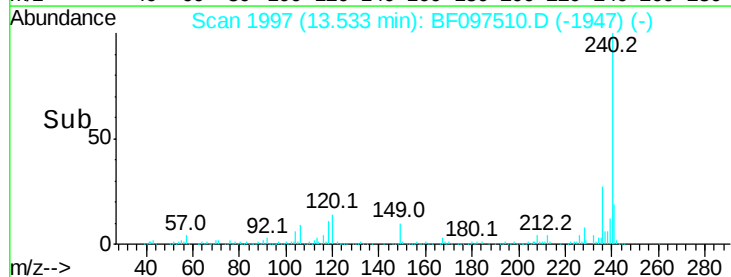
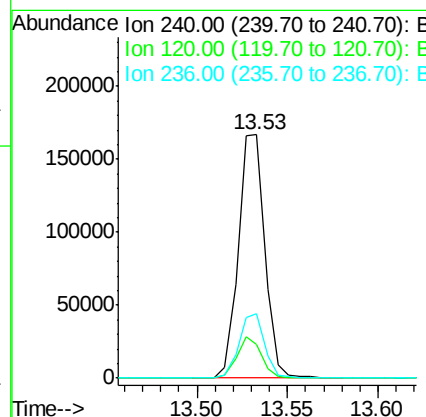
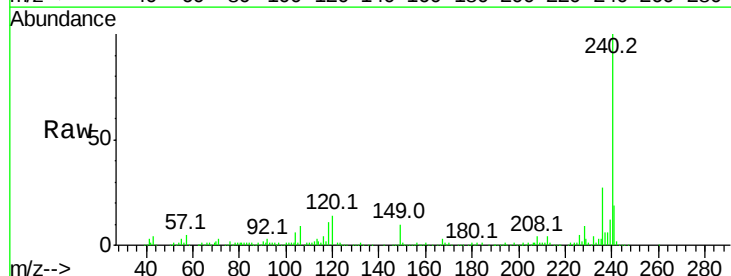
RT: 13.53 min Scan# 1997

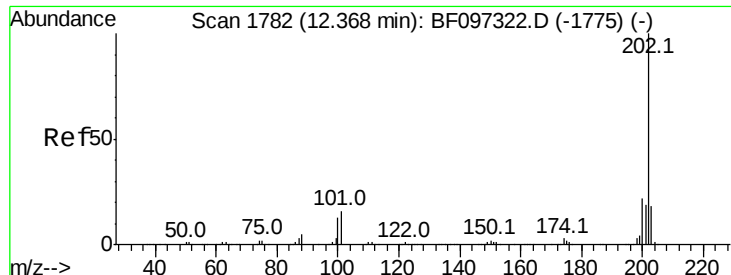
Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		169460		
120	13.6	5.8	8.8#		
236	26.5	20.5	30.7		





#77

Pvrene

Concen: 16.033 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Instrument :

BNA_F

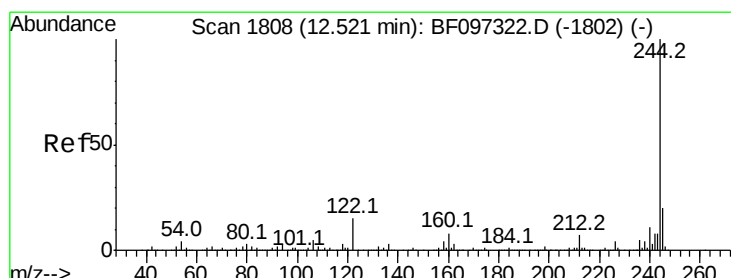
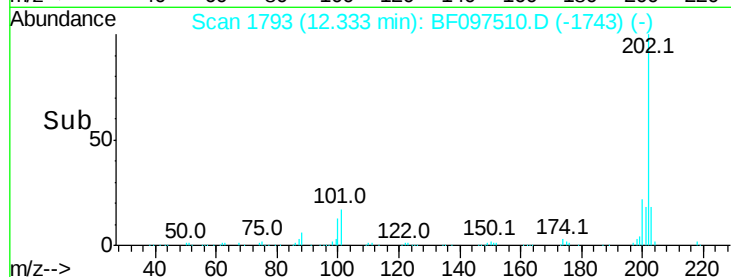
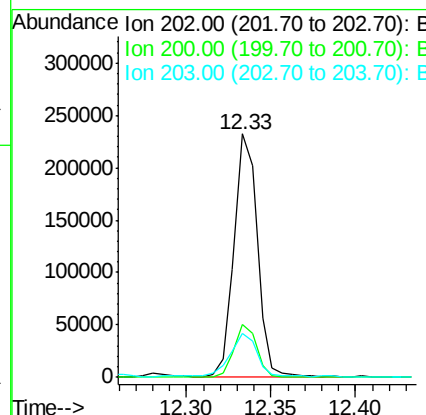
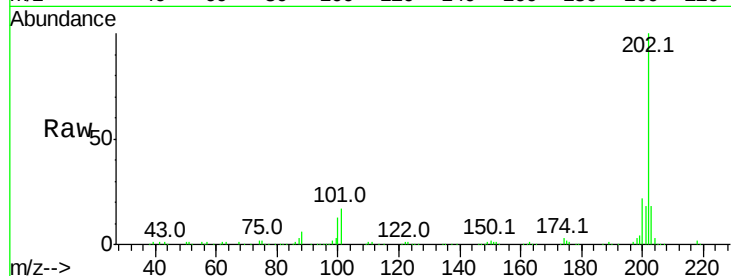
ClientSampleId :

E2-M10-ESWREDL

Tot Ion:	202	Resp:	222434
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	18.0	14.4	21.6

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#78

Terphenyl-d14

Concen: 26.104 ng

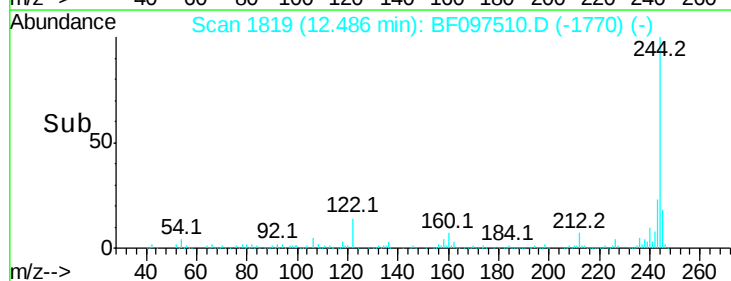
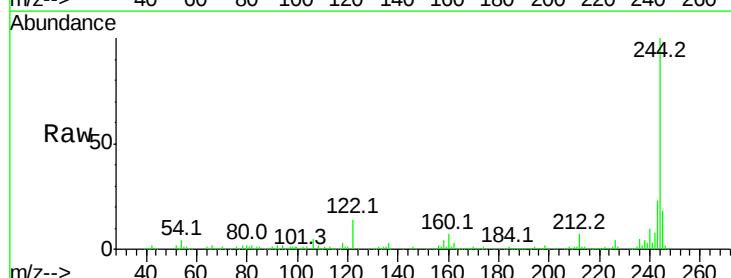
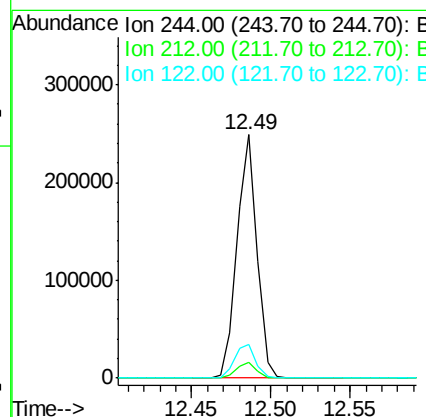
RT: 12.49 min Scan# 1819

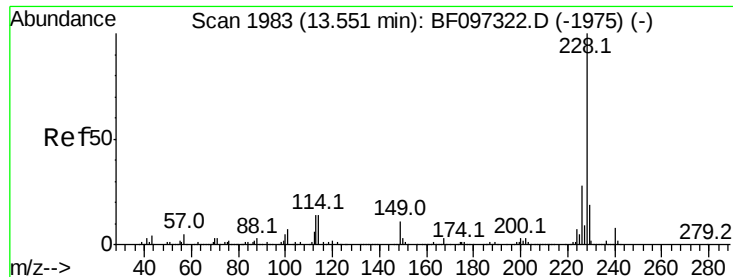
Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Tgt Ion:	244	Resp:	216968
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	14.0	10.3	15.5





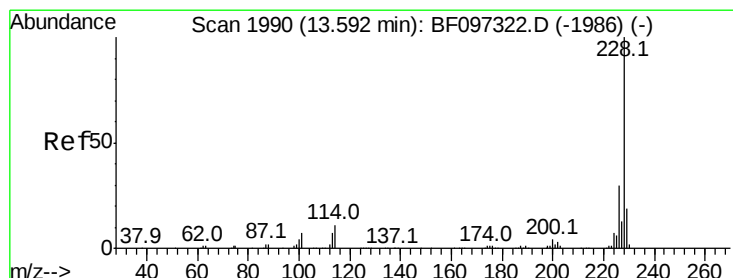
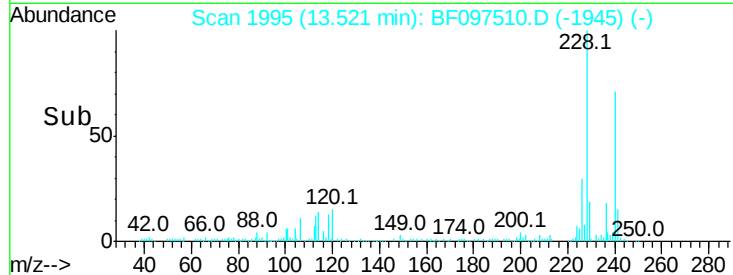
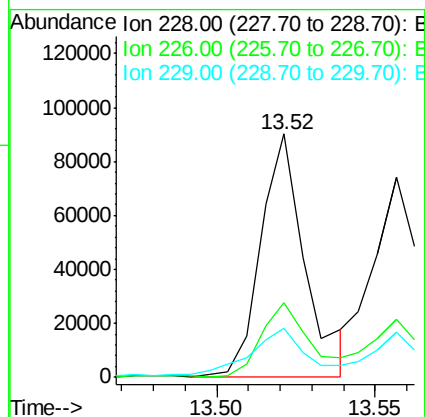
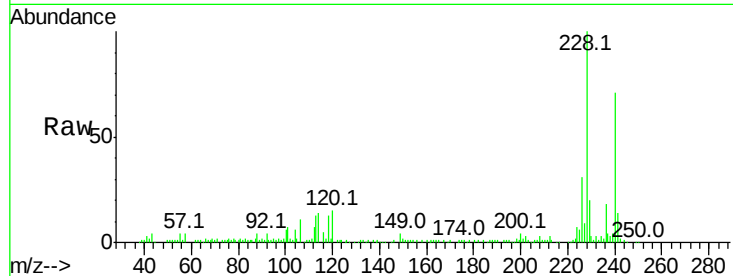
#80
Benzo(a)anthracene
Concen: 7.939 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESWREDL

Tot Ion:228	Resp:	87052
Ion Ratio	Lower	Upper
228 100		
226 30.7	22.6	33.8
229 20.0	16.3	24.5

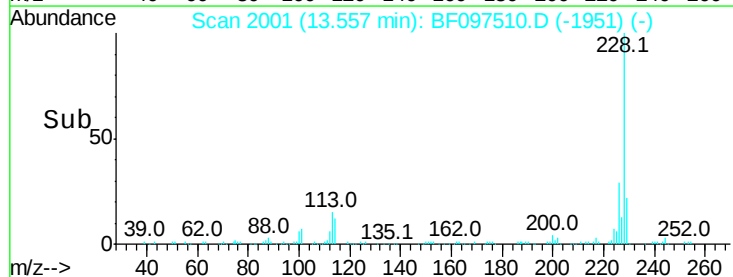
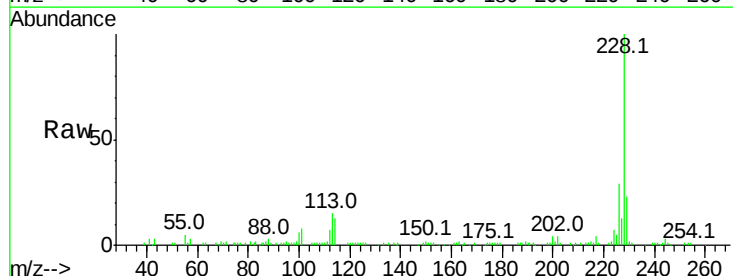
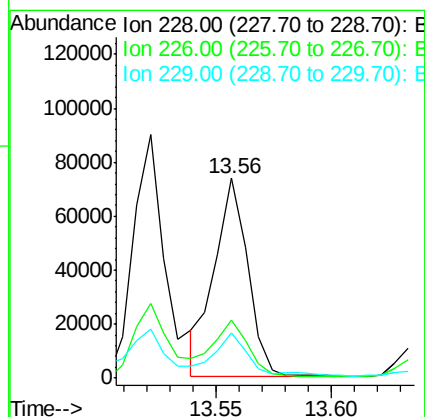
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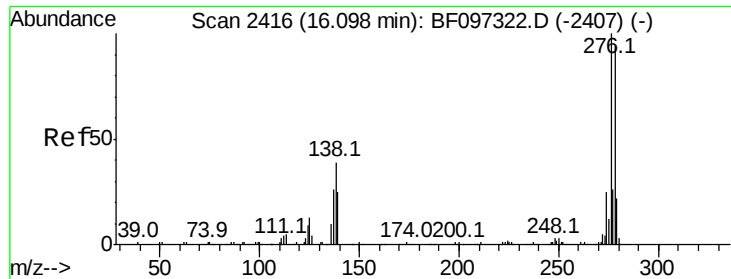
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#82
Chrysene
Concen: 6.902 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Tgt Ion:228	Resp:	73893
Ion Ratio	Lower	Upper
228 100		
226 28.9	24.9	37.3
229 22.5	15.8	23.6





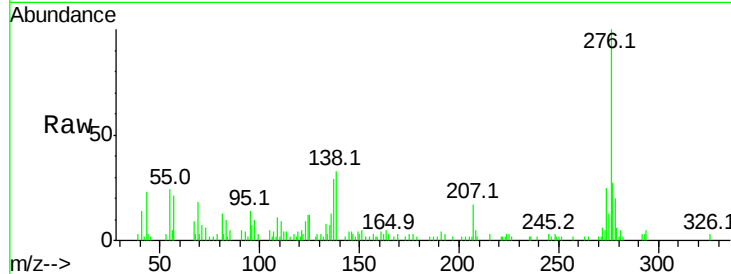
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.521 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESWREDL

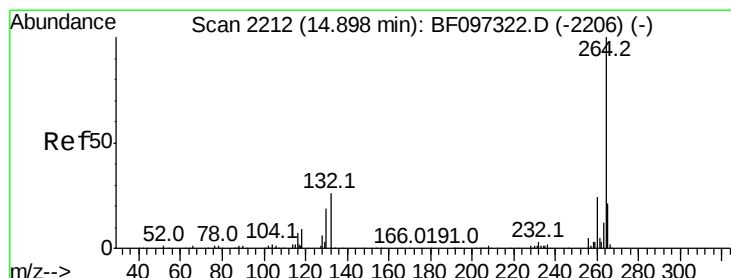
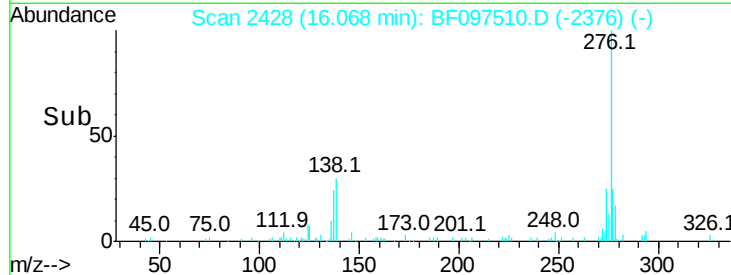
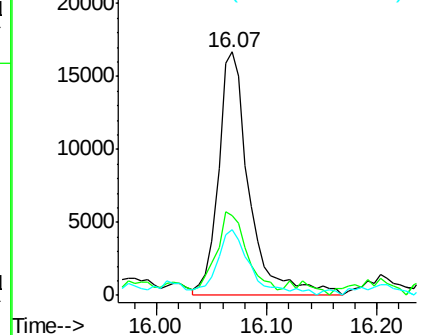
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.3	27.8	41.6
277	24.8	20.2	30.4

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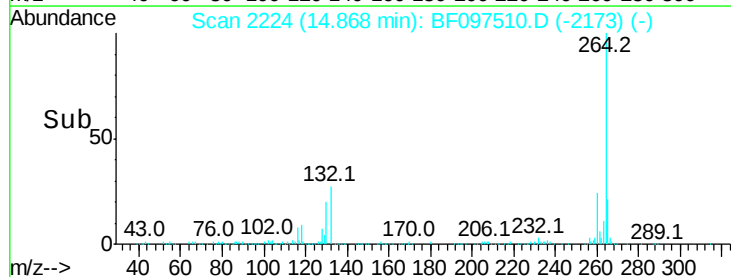
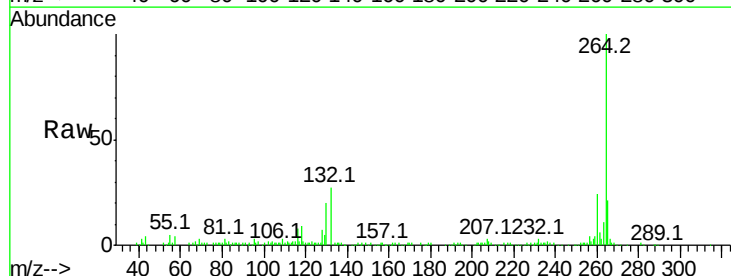
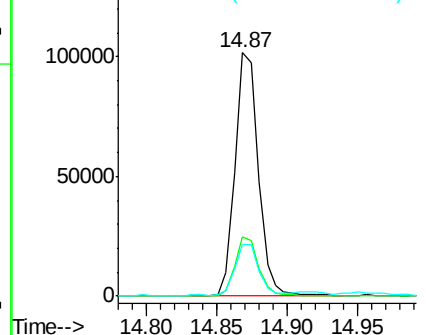
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

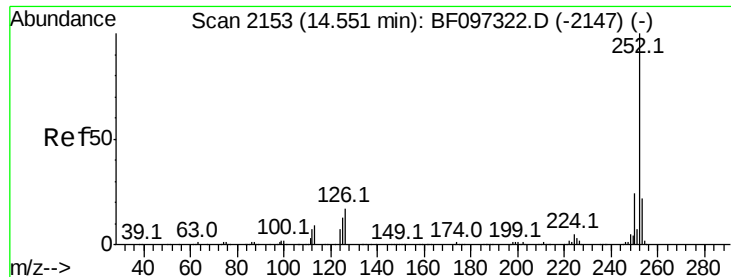


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.2	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 10.320 ng m

RT: 14.53 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Instrument :

BNA_F

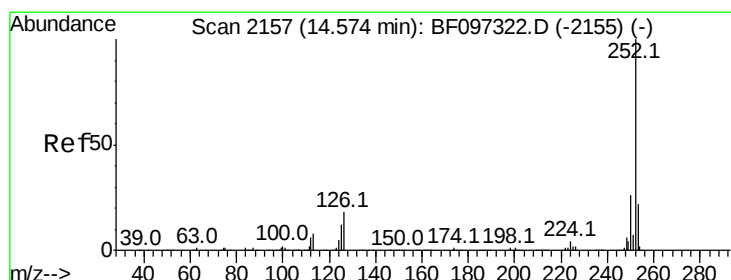
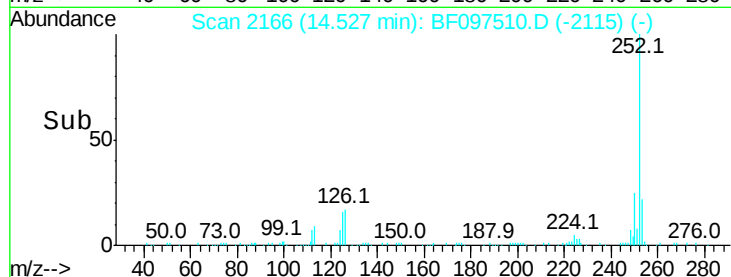
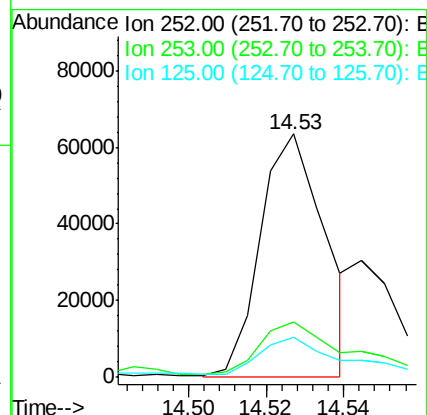
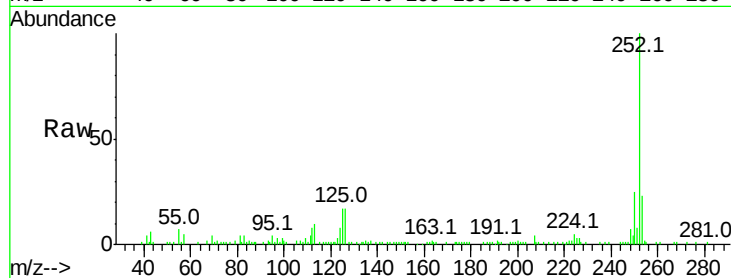
ClientSampleId :

E2-M10-ESWREDL

Tot Ion:	252	Resp:	73030
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	16.7	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 3.803 ng m

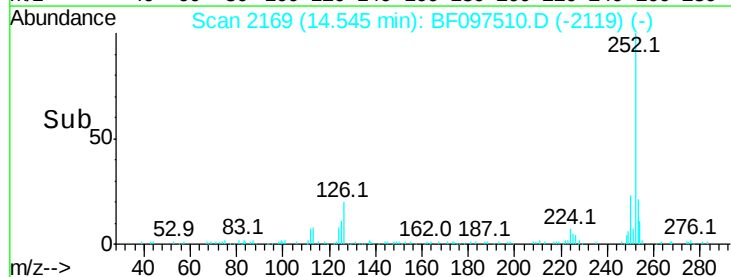
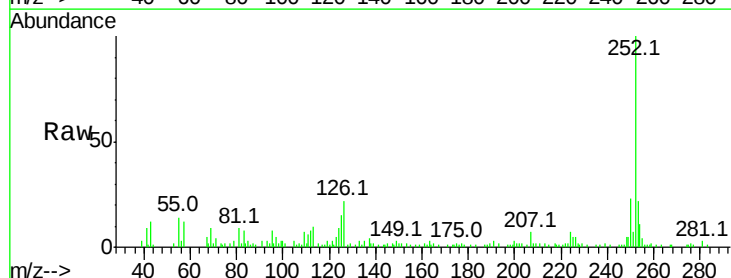
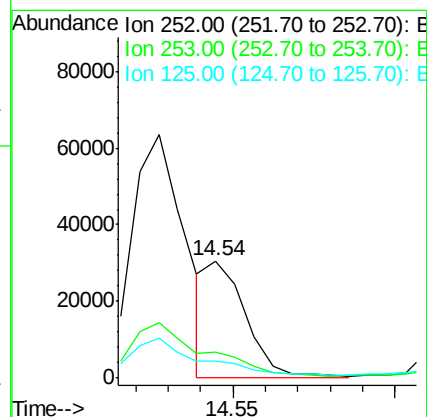
RT: 14.54 min Scan# 2169

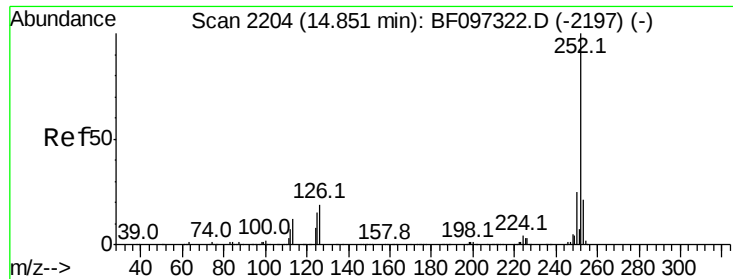
Delta R.T. -0.01 min

Lab File: BF097510.D

Acq: 9 Aug 2017 11:18

Tgt Ion:	252	Resp:	25647
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	14.6	13.1	19.7





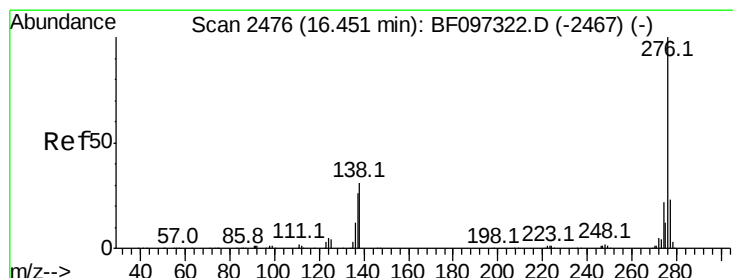
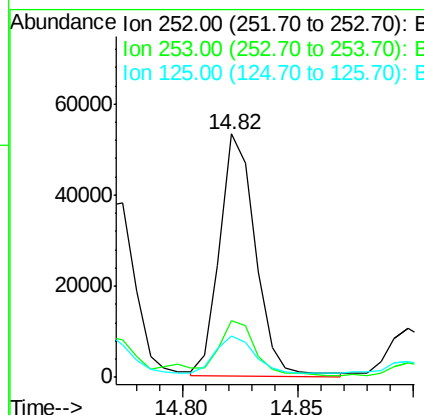
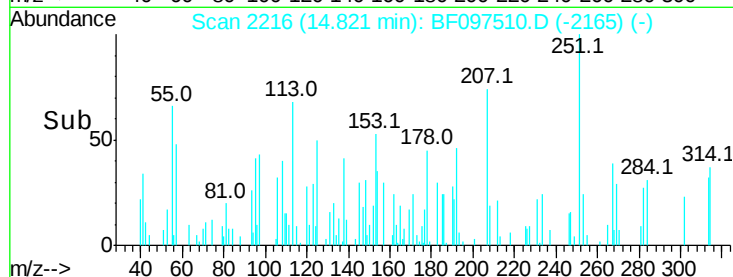
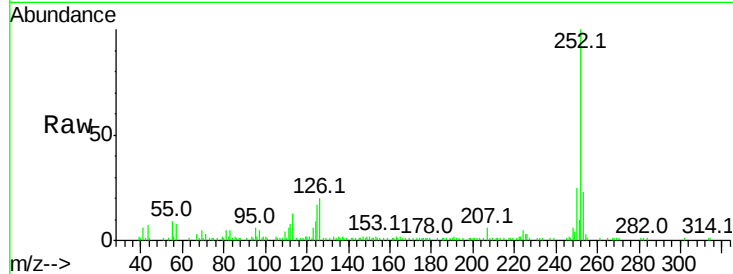
#89
Benzo(a)pyrene
Concen: 8.879 ng
RT: 14.82 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESWREDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	17.1	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.862 ng
RT: 16.42 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097510.D
Acq: 9 Aug 2017 11:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	34.8	25.4	38.0

