

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078643.D
 Acq On : 18 Apr 2015 14:16
 Operator : TP/IZ
 Sample : G1902-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

Manual Integrations
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 4/20/2015 3:58:17 PM

Quant Time: Apr 20 02:06:47 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	30929	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	132052	20.00	ng	0.01
38) Acenaphthene-d10	10.41	164	67707	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	138460	20.00	ng	0.01
75) Chrysene-d12	15.47	240	159474	20.00	ng	0.01
86) Perylene-d12	17.18	264	167080	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	188954	100.73	ng	0.01
7) Phenol-d6	6.30	99	236246	100.49	ng	0.01
23) Nitrobenzene-d5	7.38	82	137550	63.14	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	61308	109.18	ng	0.01
44) 2-Fluorobiphenyl	9.61	172	266437	56.25	ng	0.01
78) Terphenyl-d14	14.22	244	322818	45.74	ng	0.01
Target Compounds						
20) 3+4-Methylphenols	7.27	107	5061	2.20	ng	Qvalue 98
49) Dimethylphthalate	10.12	163	18834	3.70	ng	# 97
70) Phenanthrene	12.26	178	36990	4.62	ng	# 95
71) Anthracene	12.32	178	18355m	2.33	ng	
74) Fluoranthene	13.71	202	104767	12.40	ng	96
77) Pyrene	13.99	202	146046	14.59	ng	97
80) Benzo(a)anthracene	15.46	228	62233	6.56	ng	93
82) Chrysene	15.51	228	50715	5.69	ng	97
83) Bis(2-ethylhexyl)phthalate	15.57	149	58285	9.74	ng	# 97
85) Indeno(1,2,3-cd)pyrene	18.35	276	31037	3.07	ng	# 84
87) Benzo(b)fluoranthene	16.74	252	66929m	6.48	ng	
88) Benzo(k)fluoranthene	16.77	252	24976m	2.72	ng	
89) Benzo(a)pyrene	17.11	252	46121	5.12	ng	# 80
91) Benzo(a,h,i)perylene	18.69	276	28229	3.12	ng	97

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

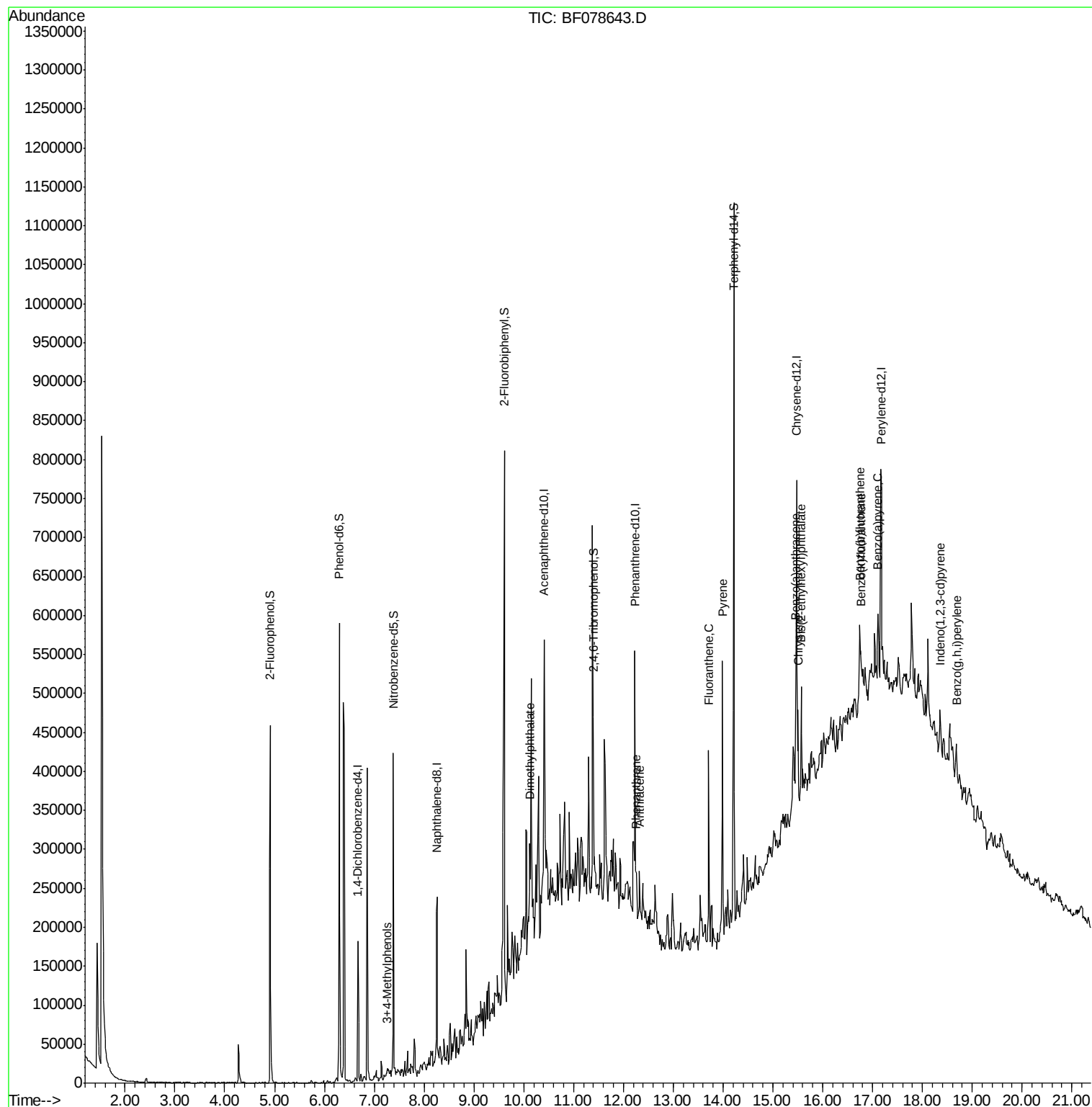
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078643.D
Acq On : 18 Apr 2015 14:16
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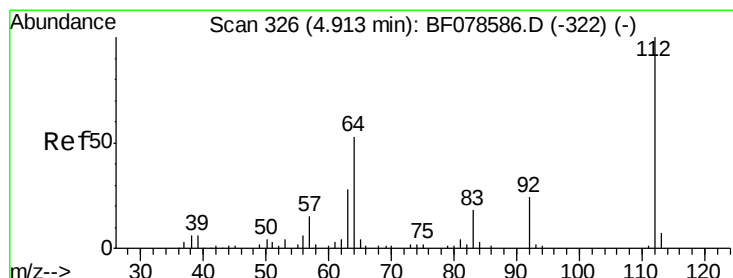
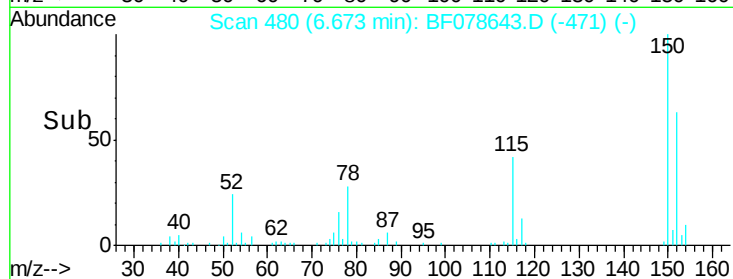
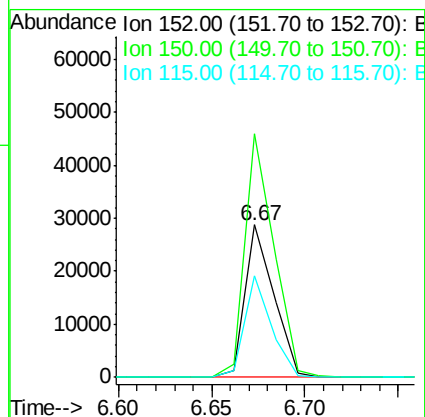
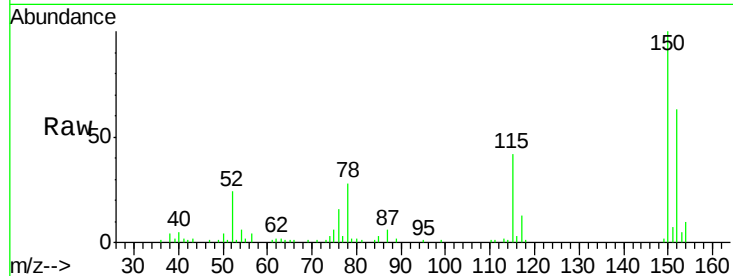
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.9	188.9
115	66.9	52.7	79.1

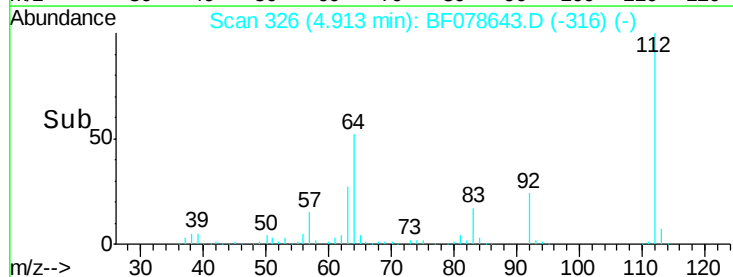
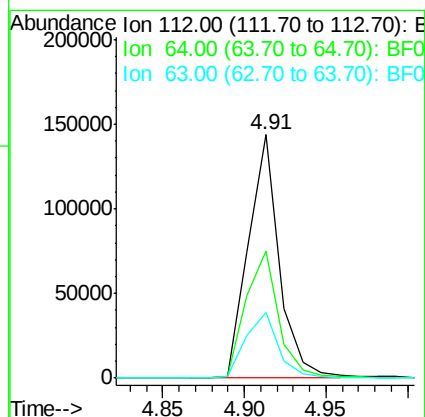
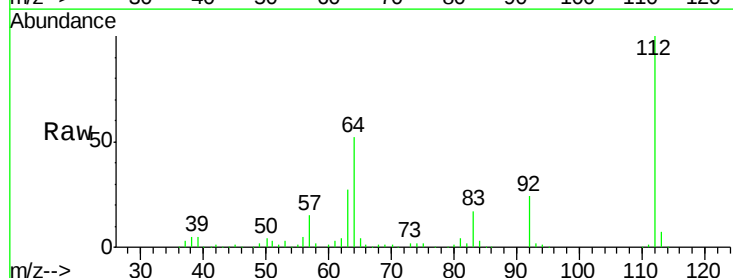
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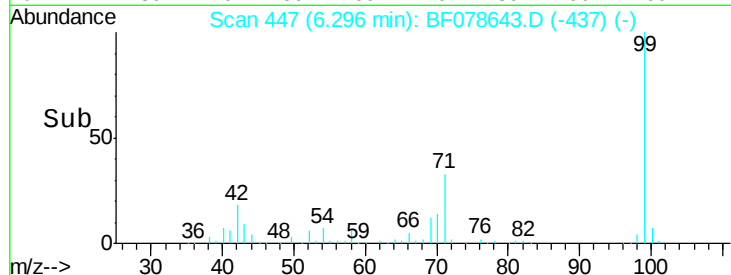
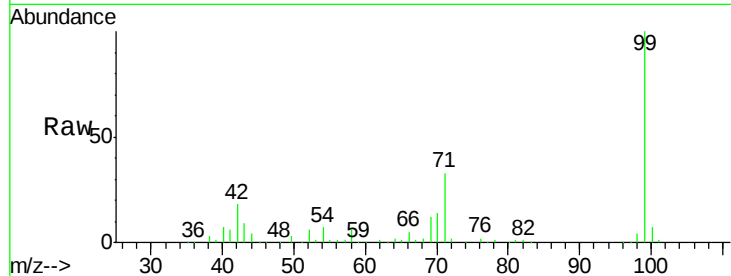
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#5
 2-Fluorophenol
 Concen: 100.73 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	39.9	59.9
63	27.1	20.2	30.4





#7

Phenol-d6

Concen: 100.49 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Tot Ion:	99	Resp:	236246
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.8	22.2
71	32.9	26.6	39.8

Instrument :

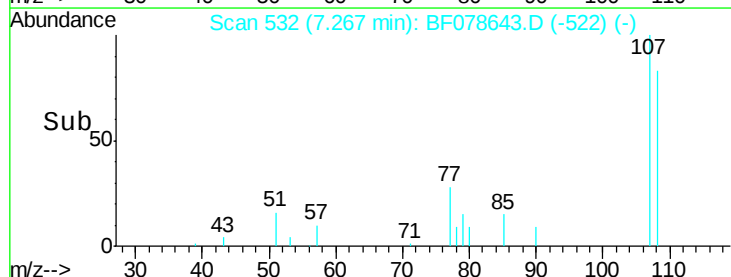
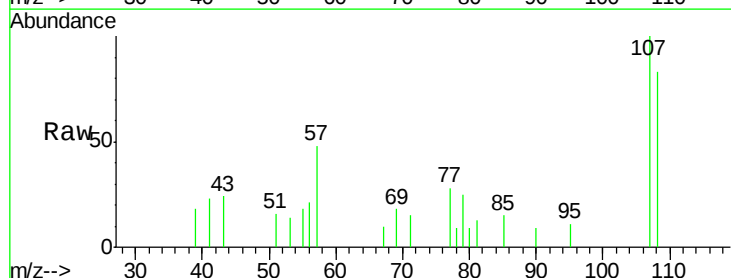
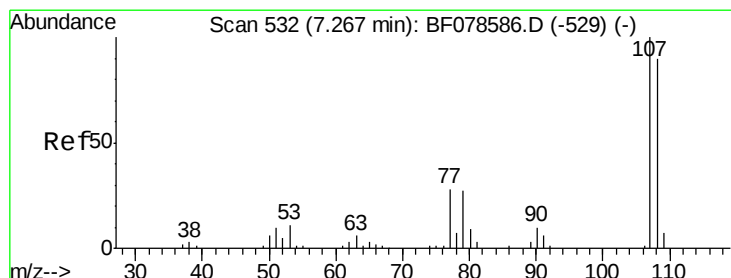
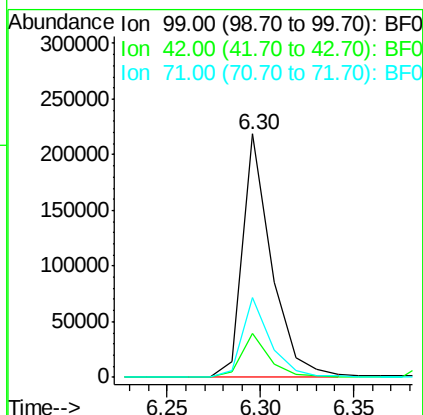
BNA_F

ClientSampleId :

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#20

3+4-Methylphenols

Concen: 2.20 ng

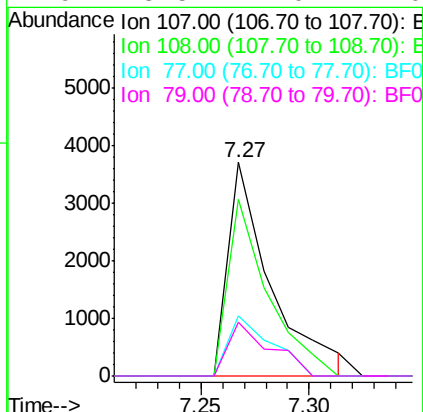
RT: 7.27 min Scan# 532

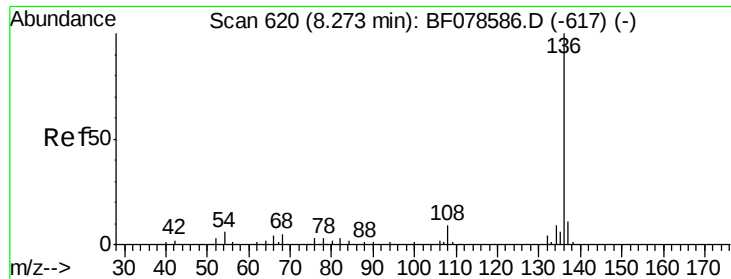
Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Tgt Ion:	107	Resp:	5061
Ion Ratio	Lower	Upper	
107	100		
108	82.7	64.4	104.4
77	28.0	9.7	49.7
79	25.5	4.0	44.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

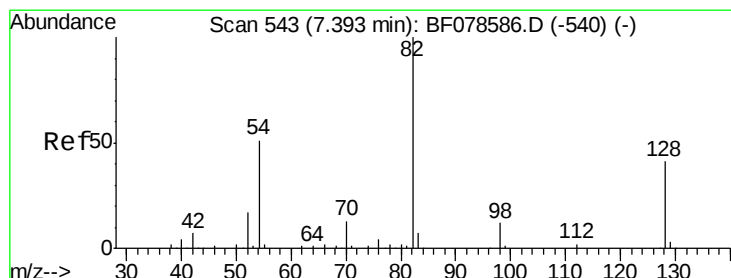
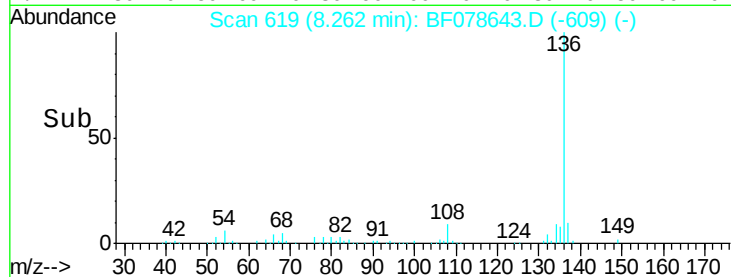
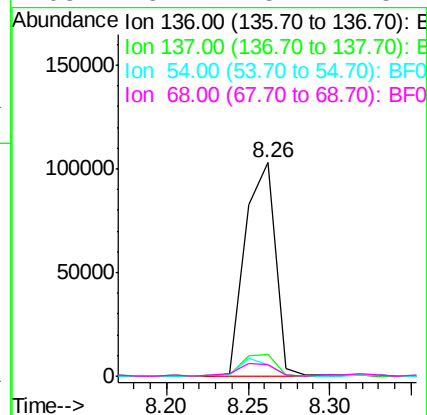
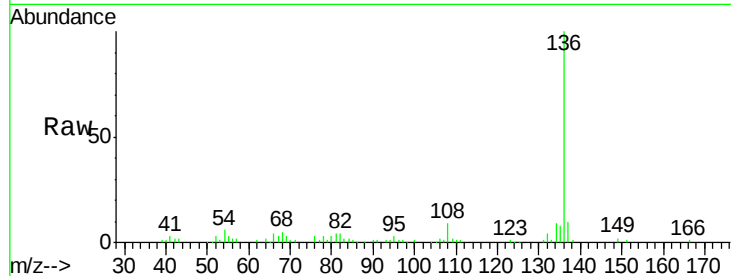
ClientSampleId :

LS-SB18A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.3	9.0	13.4		
54	5.7	7.0	10.6		
68	5.2	5.4	8.2		

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#23

Nitrobenzene-d5

Concen: 63.14 ng

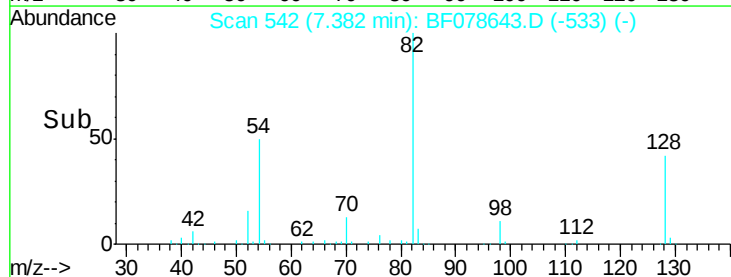
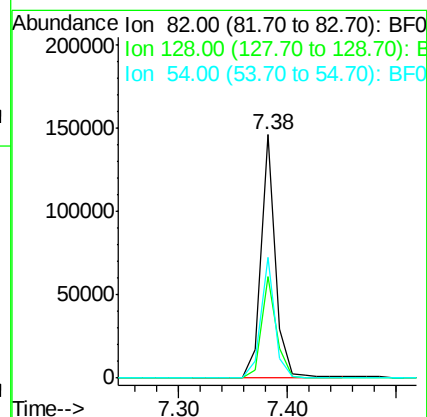
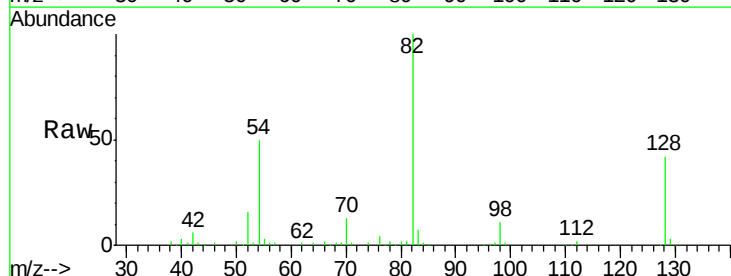
RT: 7.38 min Scan# 542

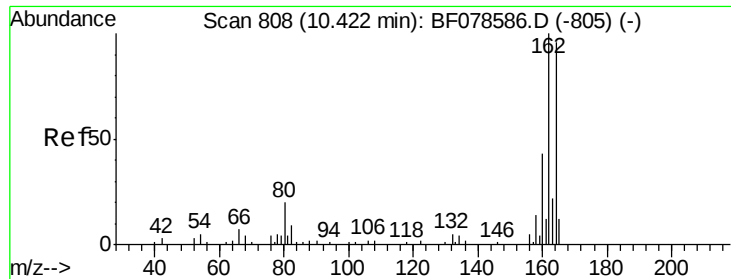
Delta R.T. 0.00 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	41.5	31.8	47.8		
54	49.5	41.5	62.3		





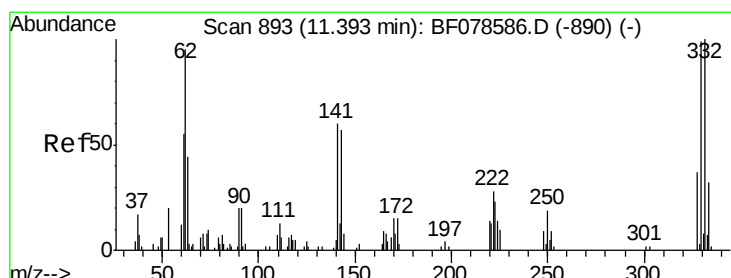
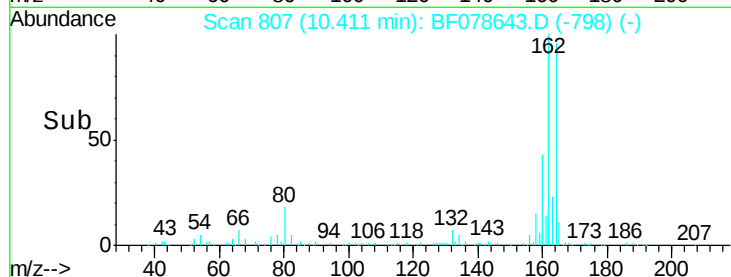
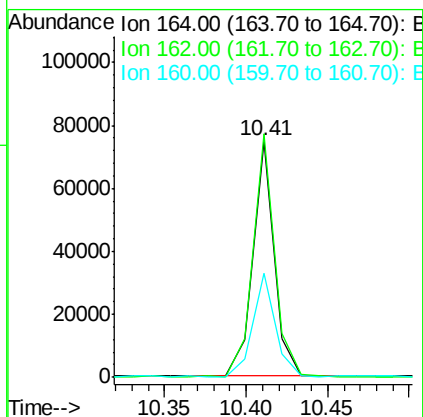
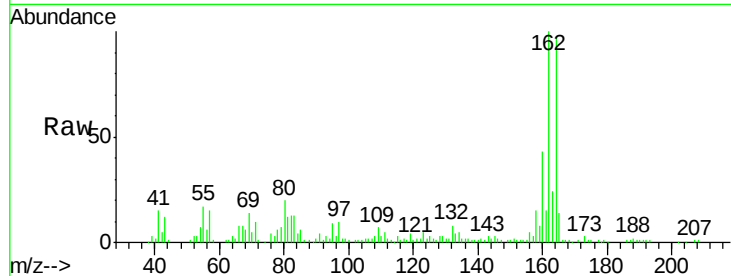
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	44.1	34.7	52.1

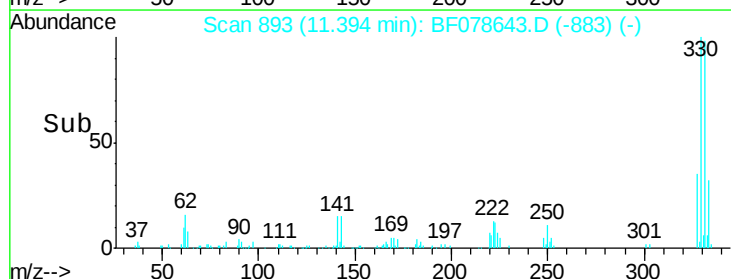
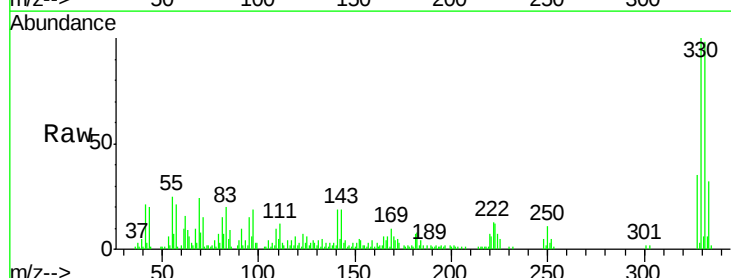
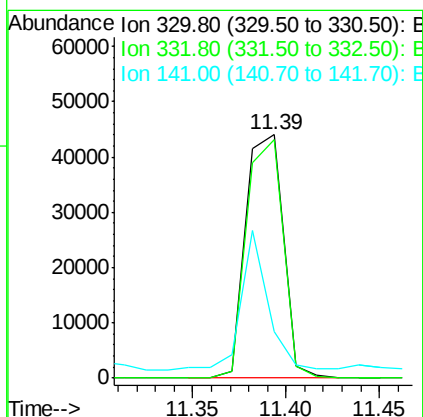
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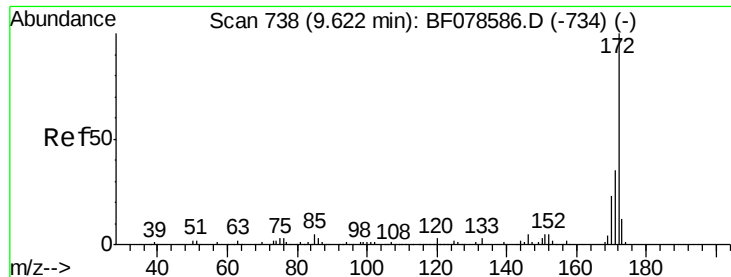
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#41
2,4,6-Tribromophenol
Concen: 109.18 ng
RT: 11.39 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.6	117.8
141	41.9	31.2	46.8





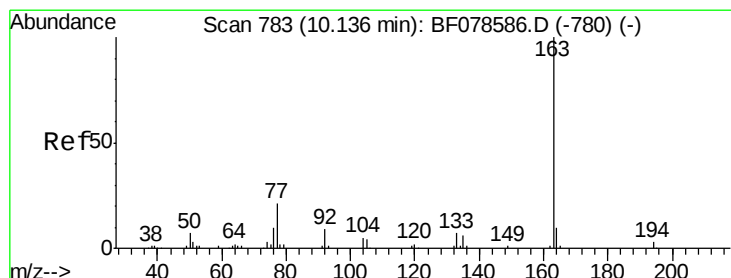
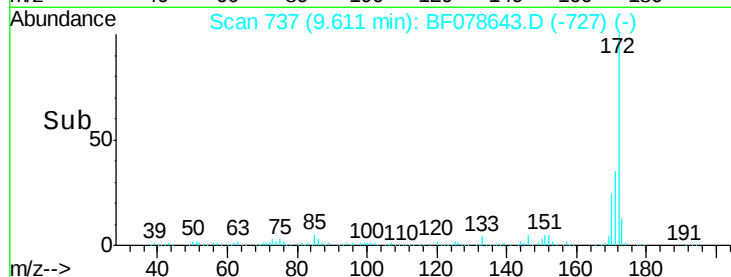
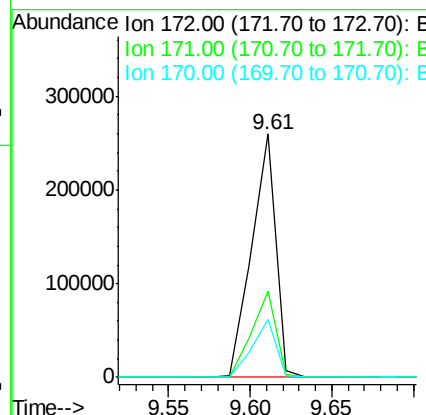
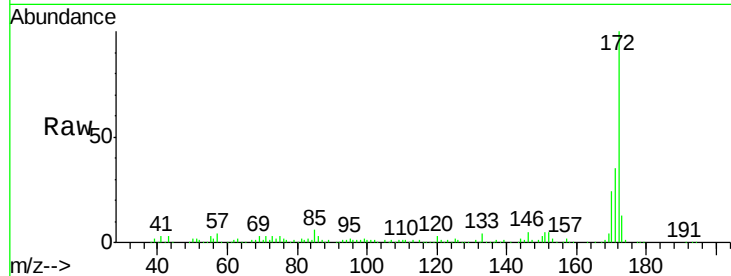
#44
2-Fluorobiphenyl
Concen: 56.25 ng
RT: 9.61 min Scan# 737
Delta R.T. 0.01 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	266437		
171	35.2		28.6	42.8
170	23.8		18.5	27.7

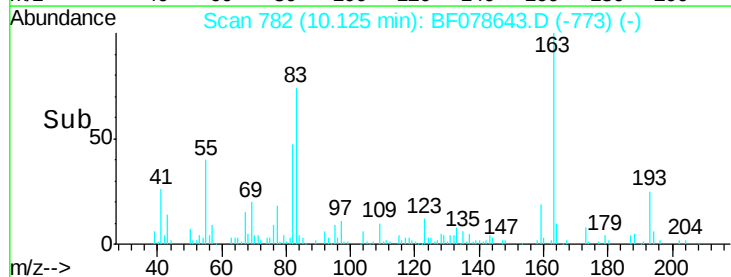
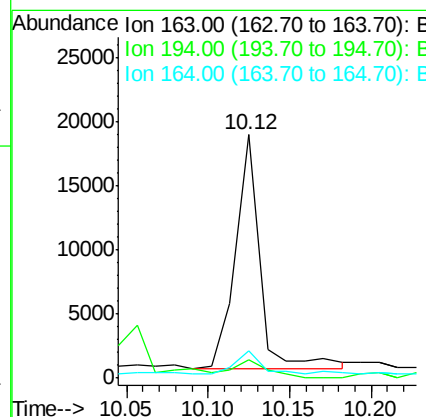
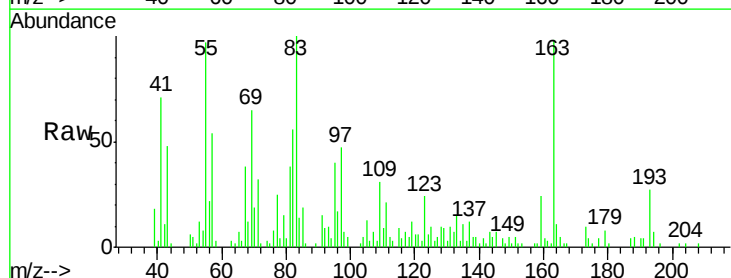
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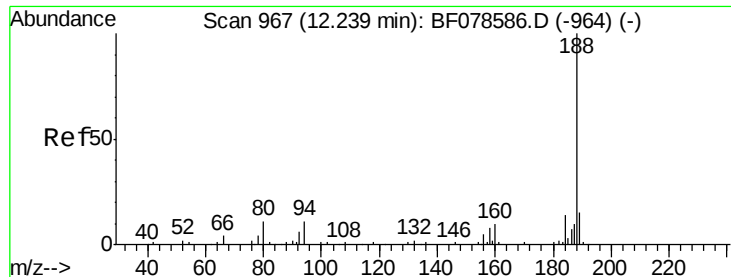
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#49
Dimethylphthalate
Concen: 3.70 ng
RT: 10.12 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	18834		
194	7.5		2.3	3.5#
164	10.9		8.6	13.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.23 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

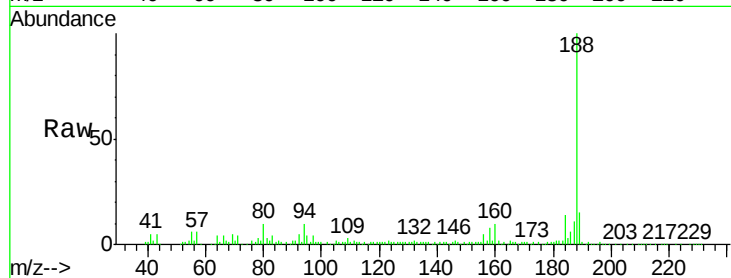
ClientSampleId :

LS-SB18A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		138460		
94	9.6	9.0	13.4		
80	10.1	9.5	14.3		

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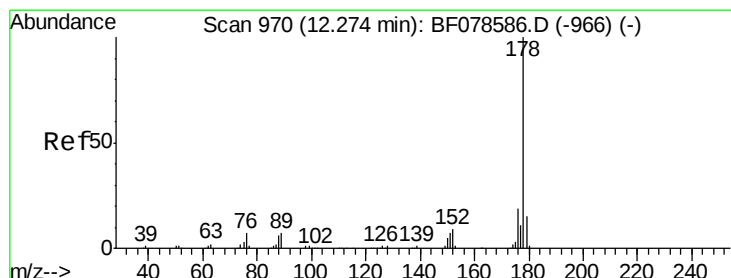
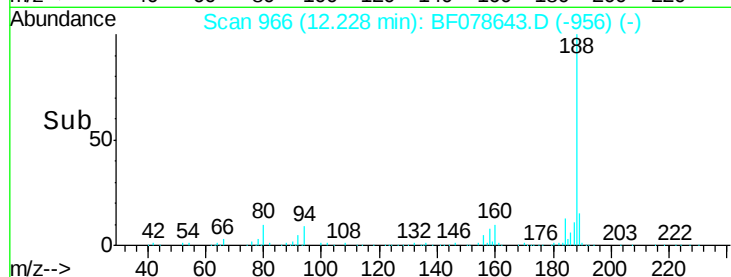
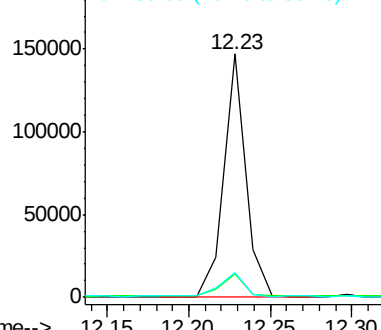
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.62 ng

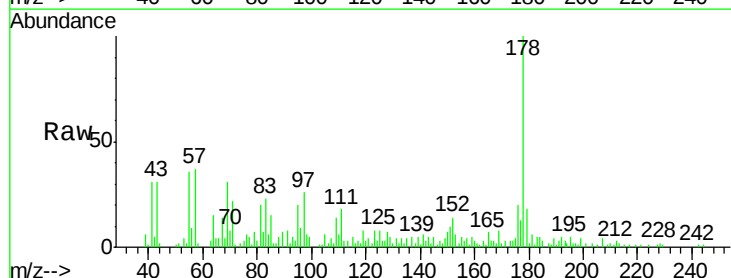
RT: 12.26 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

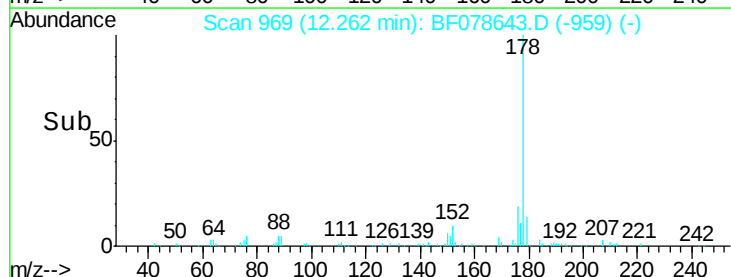
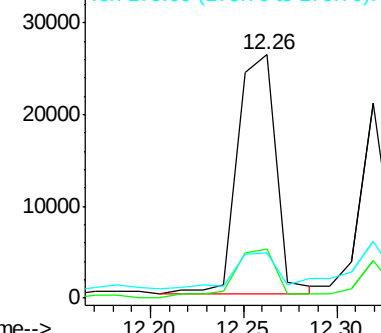
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		36990		
176	20.2	15.4	23.0		
179	18.4	12.2	18.2#		

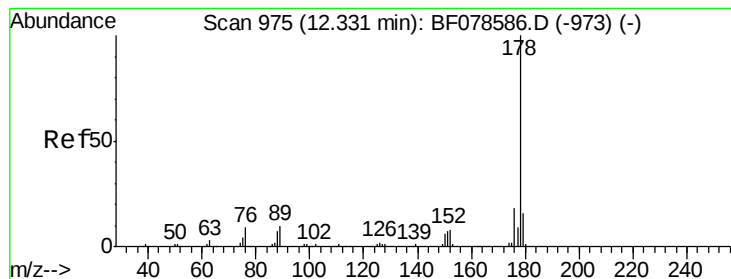


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.33 ng/mL

RT: 12.32 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampled :

LS-SB18A

Tot Ion:178 Resp: 18355

Ion Ratio Lower Upper

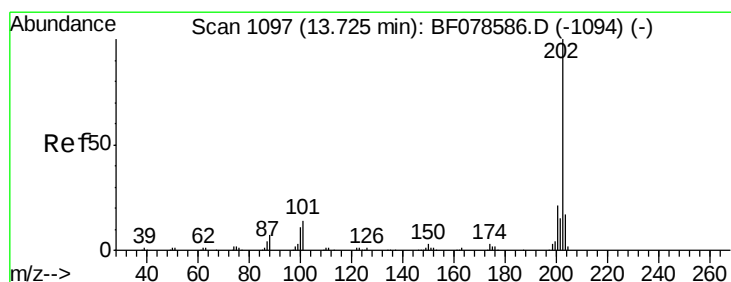
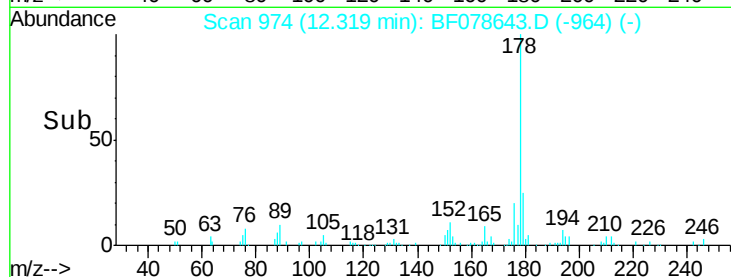
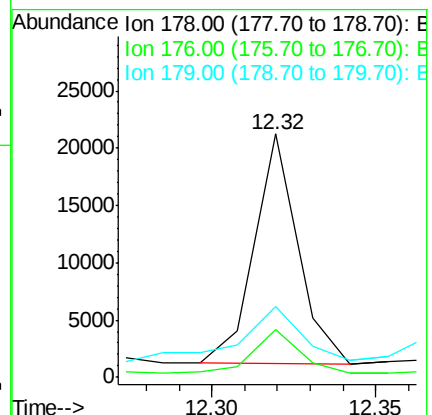
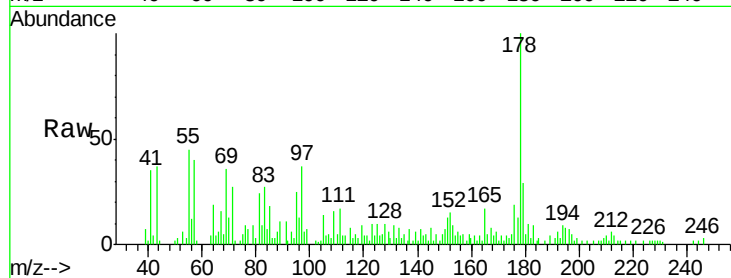
178 100

176 19.5 14.8 22.2

179 29.3 12.4 18.6#

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#74

Fluoranthene

Concen: 12.40 ng/mL

RT: 13.71 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

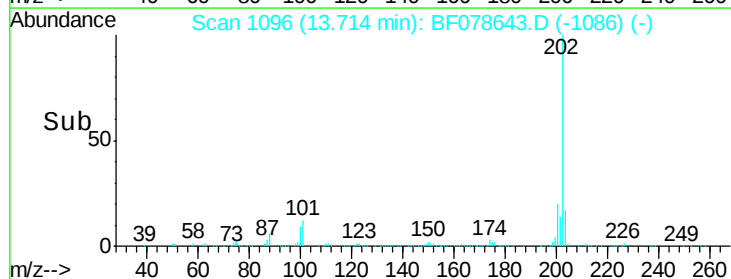
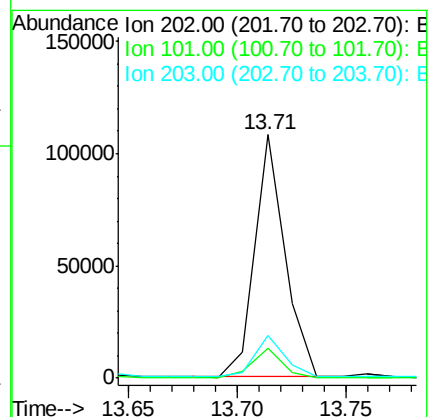
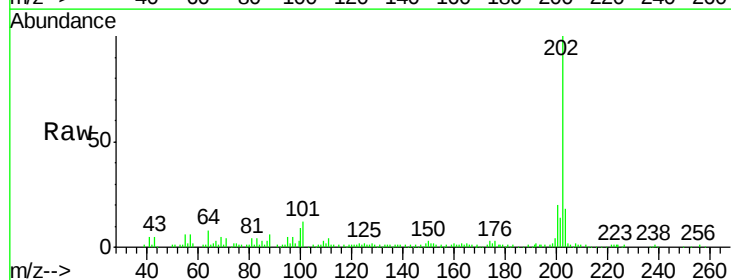
Tgt Ion:202 Resp: 104767

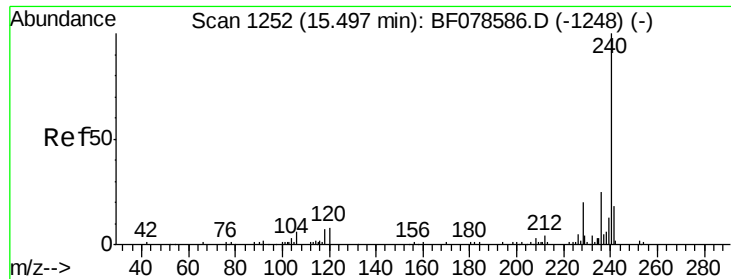
Ion Ratio Lower Upper

202 100

101 12.1 0.0 35.2

203 17.6 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

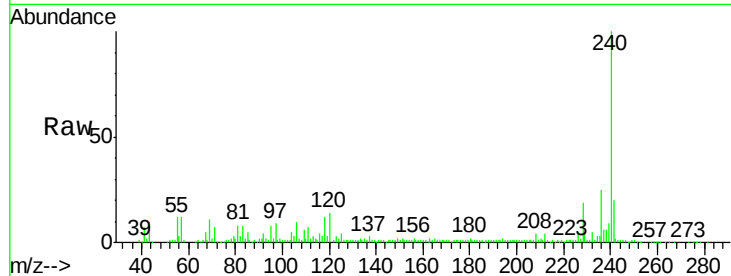
ClientSampled :

LS-SB18A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	159474		
120	14.1	7.1	10.7	#
236	25.0	21.4	32.2	

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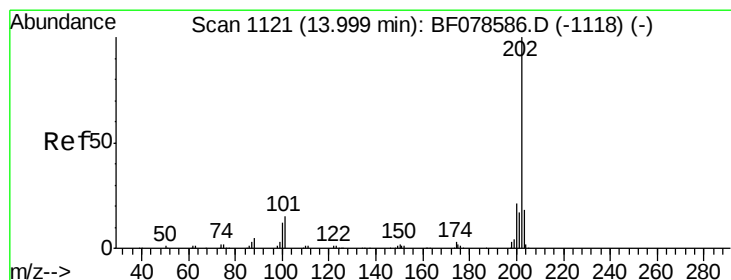
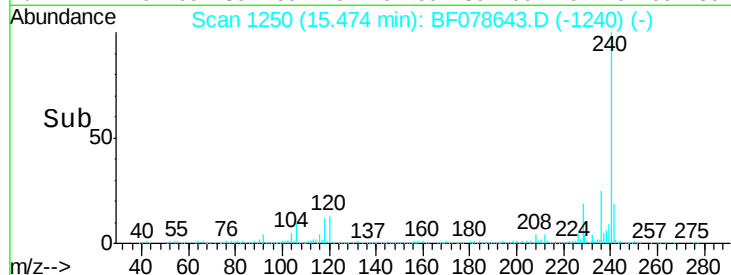
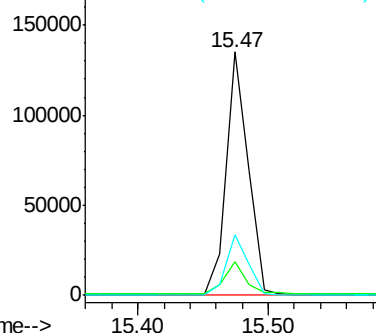
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.59 ng

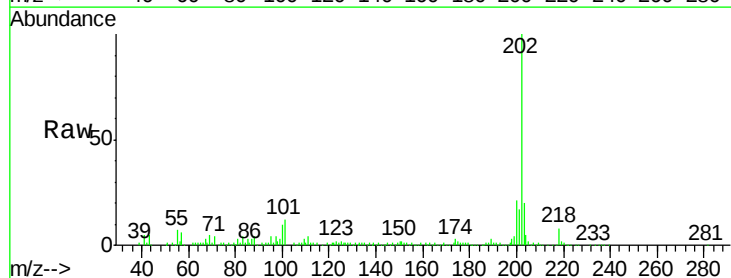
RT: 13.99 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

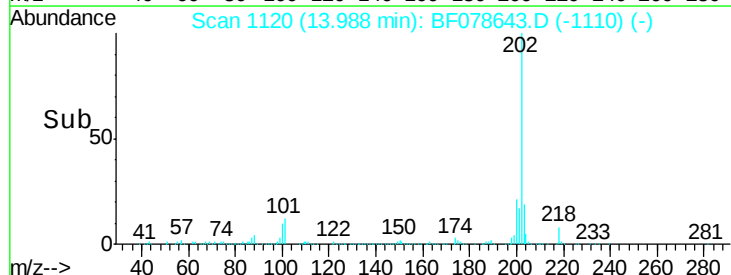
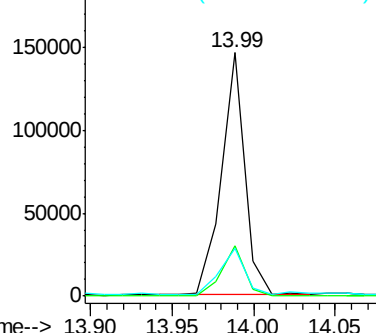
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	146046		
200	20.8	16.3	24.5	
203	19.7	13.8	20.6	

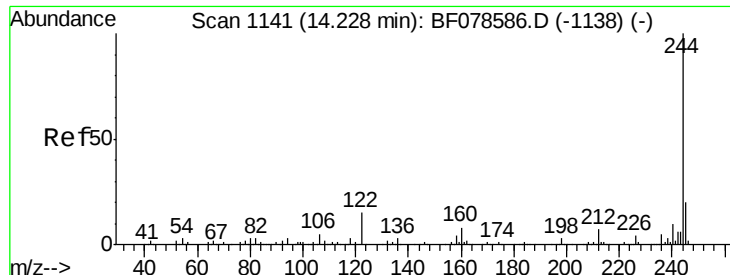


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.74 ng

RT: 14.22 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

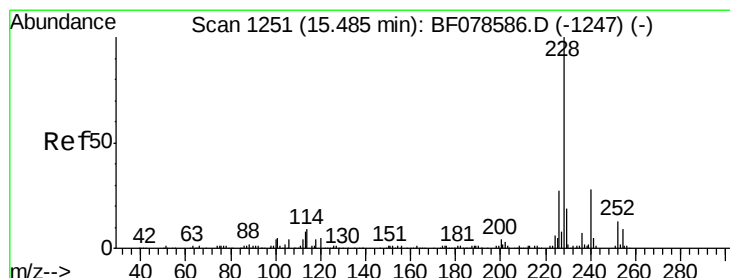
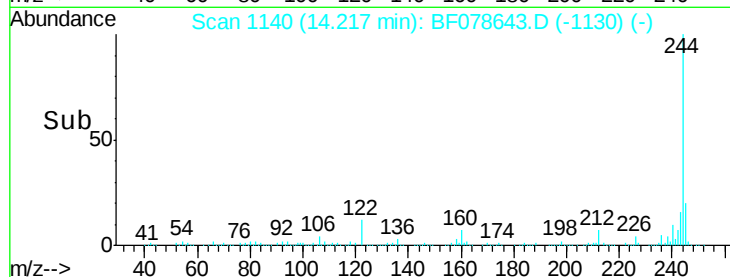
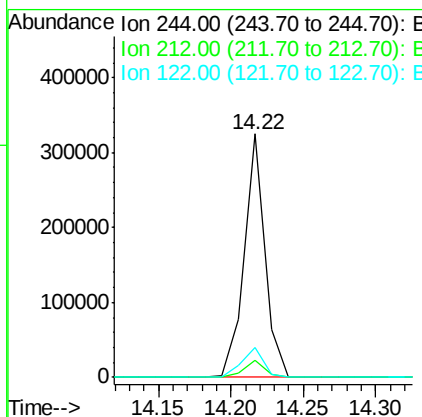
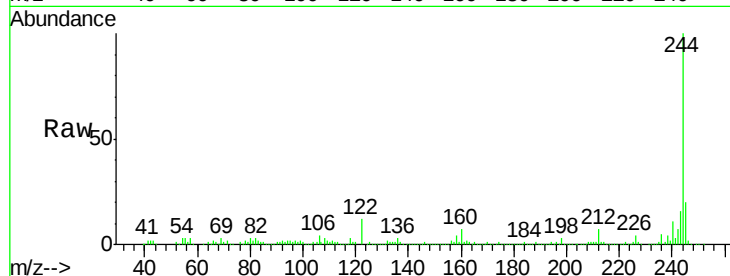
ClientSampleId :

LS-SB18A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.0	7.4
122	12.2	7.1	10.7

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#80

Benzo(a)anthracene

Concen: 6.56 ng

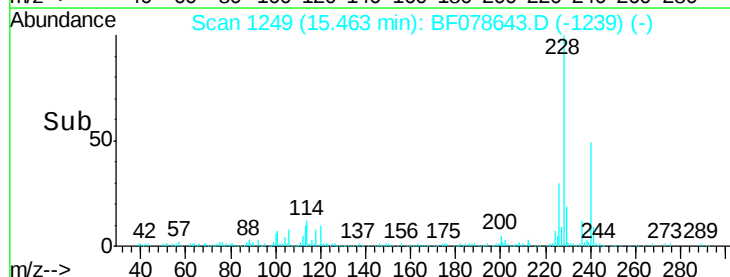
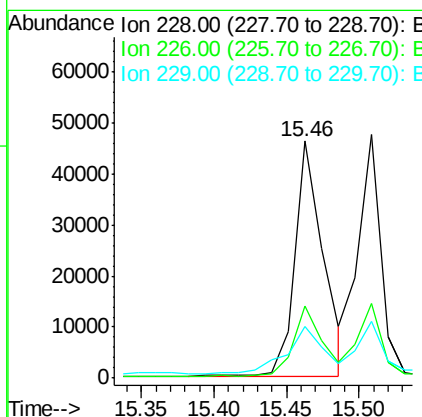
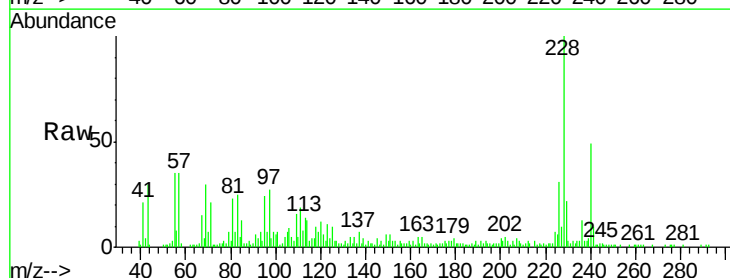
RT: 15.46 min Scan# 1249

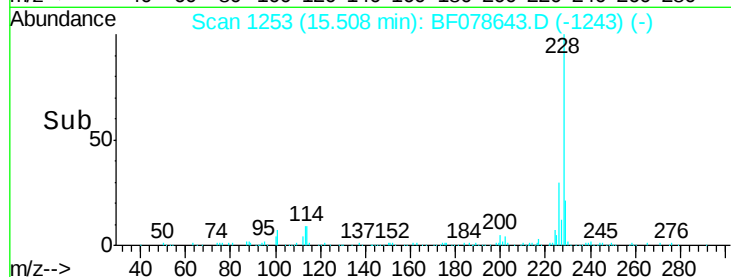
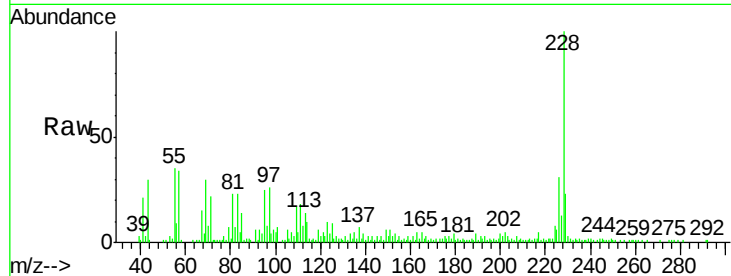
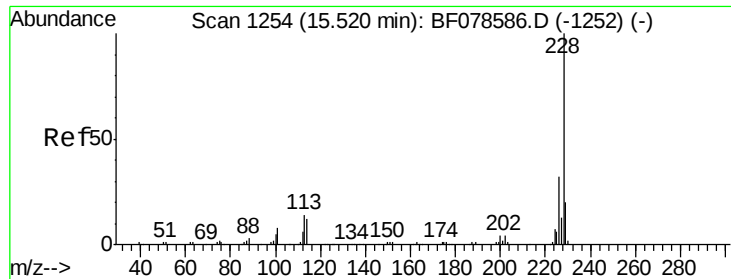
Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.3	31.9
229	21.6	15.4	23.2





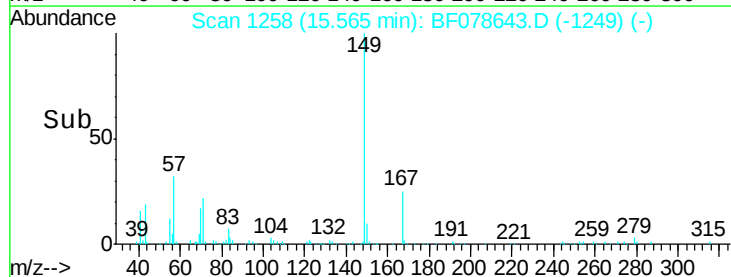
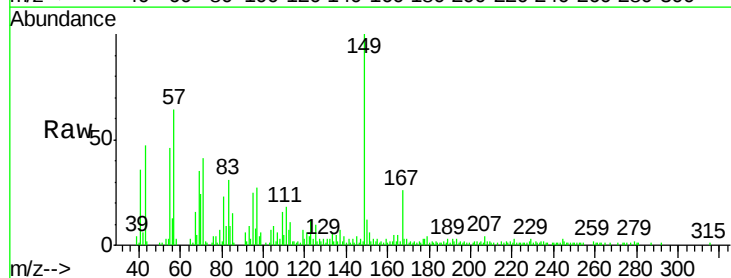
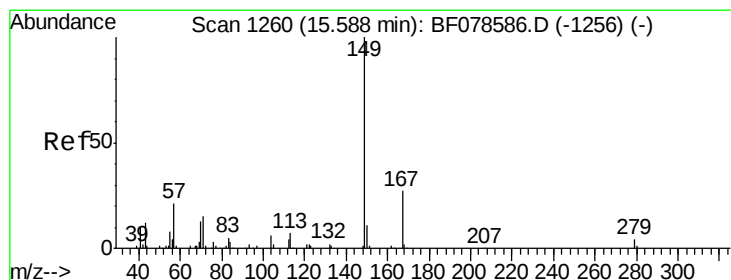
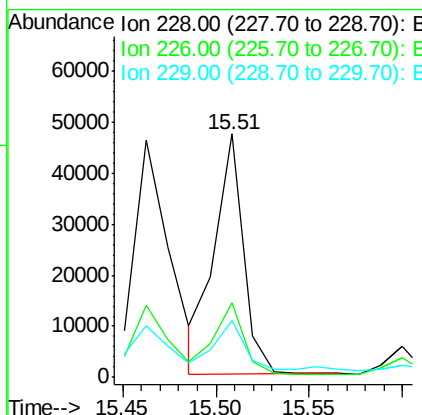
#82
 Chrysene
 Concen: 5.69 ng
 RT: 15.51 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	23.2	15.8	23.8

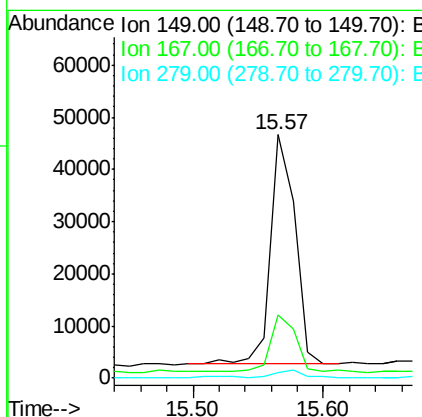
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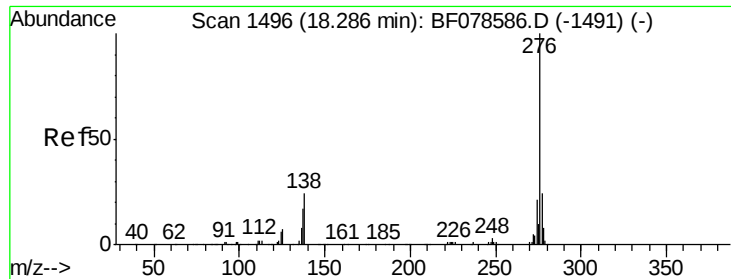
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.74 ng
 RT: 15.57 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.2	33.2
279	2.4	3.2	4.8#





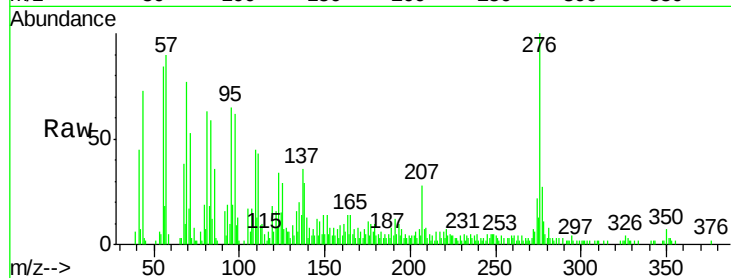
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.07 ng
 RT: 18.35 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Instrument :
 BNA_F
 ClientSampled :
 LS-SB18A

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	16.9	25.3#
277	30.8	15.8	23.6#

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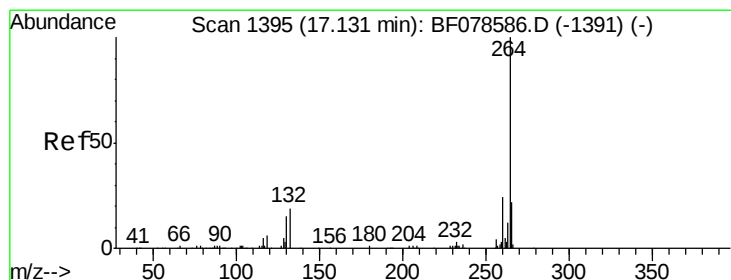
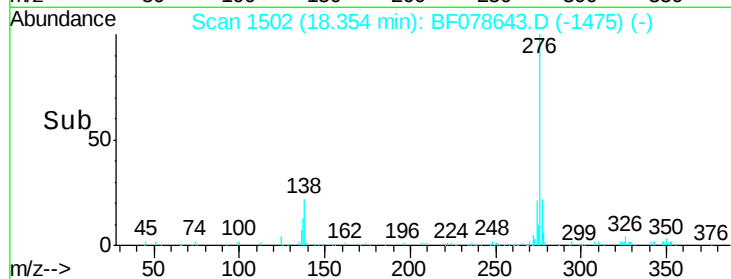
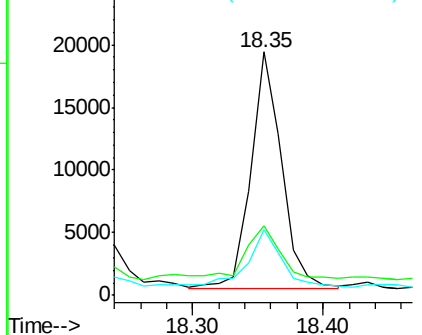


Abundance

Ion 276.00 (275.70 to 276.70): E

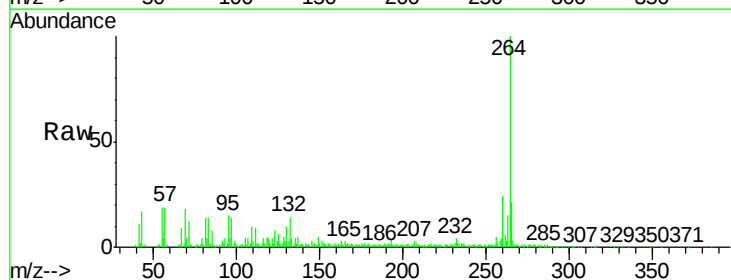
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.18 min Scan# 1399
 Delta R.T. 0.02 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.4	17.0	25.6

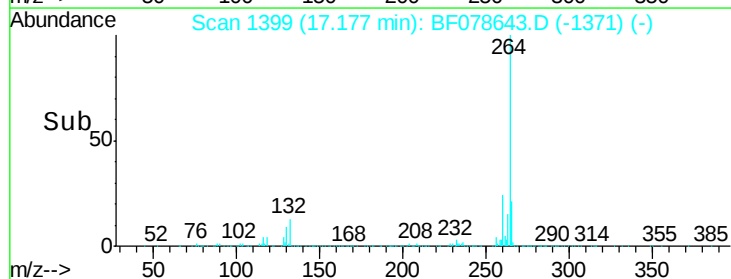
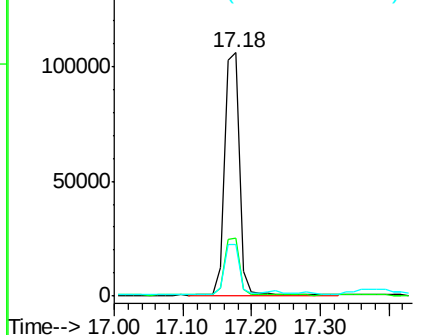


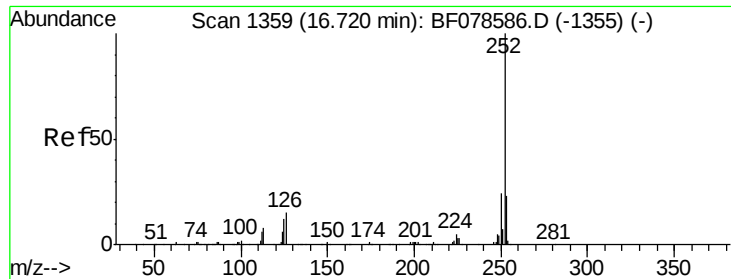
Abundance

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: 6.48 ng m

RT: 16.74 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

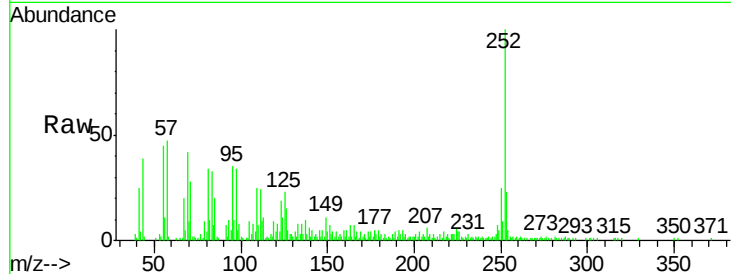
ClientSampleId :

LS-SB18A

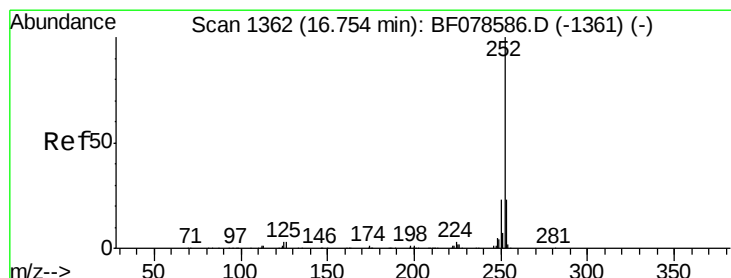
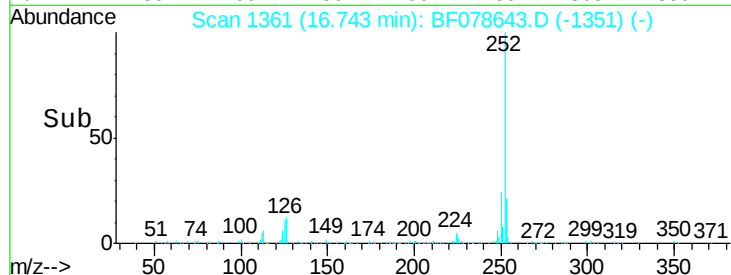
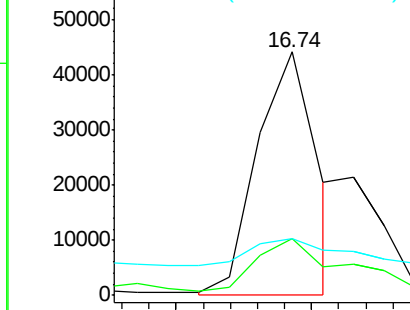
Tot Ion:	252	Resp:	66929
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.2	25.8
125	23.4	7.0	10.4#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.72 ng m

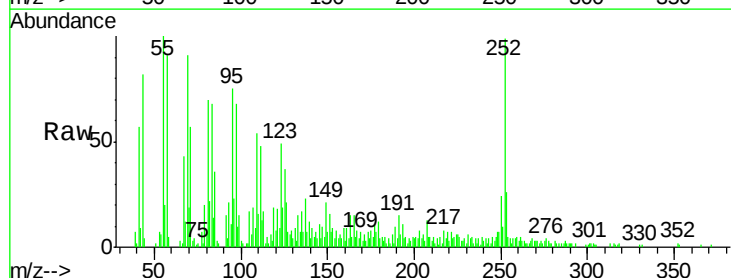
RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

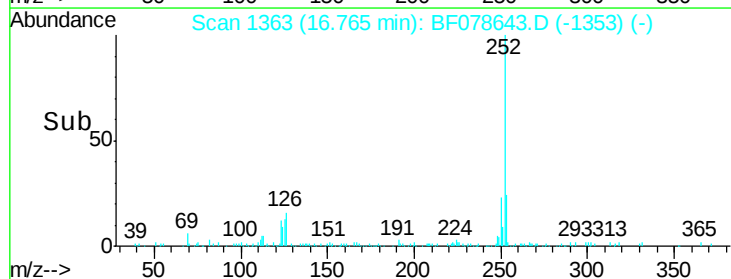
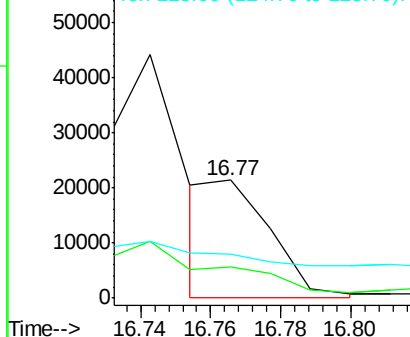
Lab File: BF078643.D

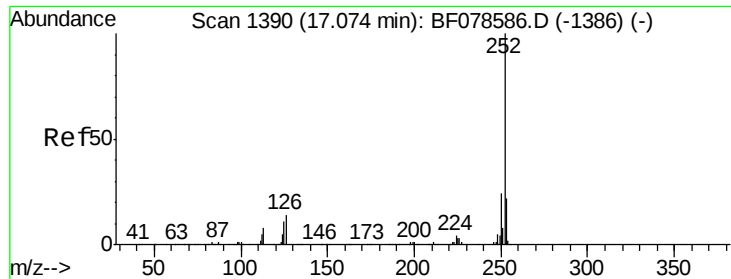
Acq: 18 Apr 2015 14:16

Tgt Ion:	252	Resp:	24976
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.5	26.3#
125	37.4	11.6	17.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





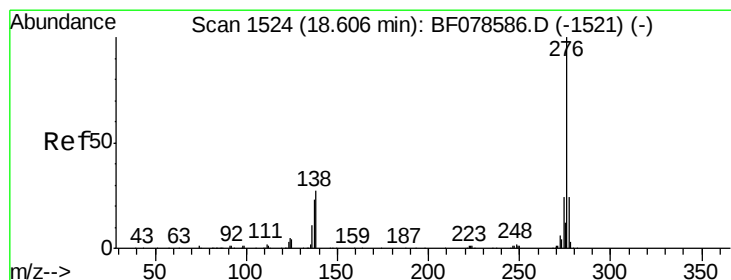
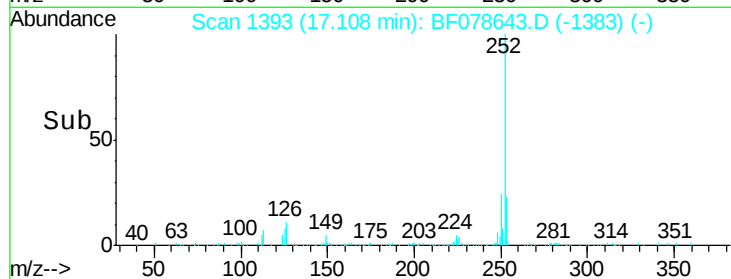
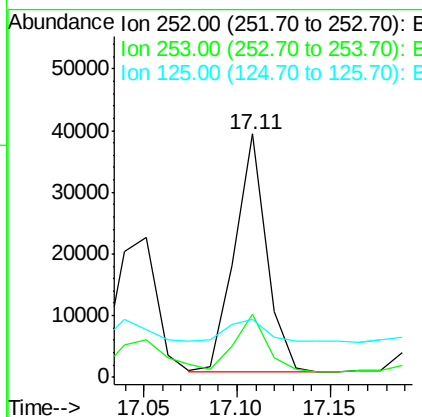
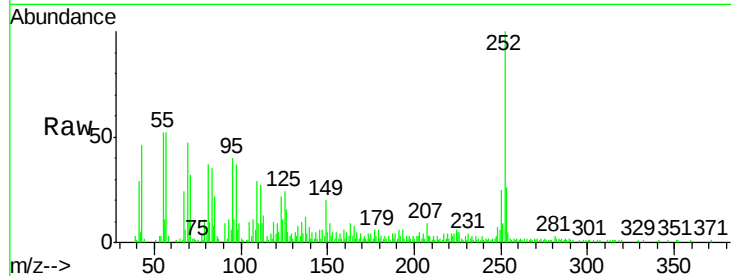
#89
Benzo(a)pyrene
Concen: 5.12 ng
RT: 17.11 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Instrument :
BNA_F
ClientSampleId :
LS-SB18A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.8	25.2#
125	24.0	7.4	11.0#

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#91
Benzo(g,h,i)perylene
Concen: 3.12 ng
RT: 18.69 min Scan# 1531
Delta R.T. 0.02 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.0	28.4
138	25.2	19.9	29.9

