

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078628.D
 Acq On : 18 Apr 2015 7:06
 Operator : TP/IZ
 Sample : G1902-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Manual Integrations
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Quant Time: Apr 20 01:09:10 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	37452	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	160612	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	86421	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	172556	20.00	ng	0.00
75) Chrysene-d12	15.47	240	188710	20.00	ng	0.01
86) Perylene-d12	17.15	264	194742	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	160684	70.74	ng	0.00
7) Phenol-d6	6.28	99	220338	77.40	ng	0.00
23) Nitrobenzene-d5	7.38	82	151694	57.25	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	60995	85.10	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	290172	48.00	ng	0.00
78) Terphenyl-d14	14.21	244	352762	42.24	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	32671	3.91	ng	98
37) 2-Methylnaphthalene	9.13	142	18102	3.19	ng	# 95
48) Acenaphthylene	10.23	152	97465	10.85	ng	99
49) Dimethylphthalate	10.11	163	29145	4.49	ng	99
54) Dibenzofuran	10.66	168	21376	2.77	ng	93
57) Fluorene	11.07	166	14749	2.36	ng	# 91
70) Phenanthrene	12.25	178	242744	24.32	ng	100
71) Anthracene	12.31	178	113772	11.57	ng	100
72) Carbazole	12.53	167	32327	3.51	ng	97
73) Di-n-butylphthalate	13.01	149	42310	4.05	ng	# 96
74) Fluoranthene	13.71	202	701191	66.61	ng	93
77) Pyrene	13.99	202	696940	58.83	ng	97
80) Benzo(a)anthracene	15.46	228	541907m	48.26	ng	
82) Chrysene	15.50	228	347139	32.91	ng	97
85) Indeno(1,2,3-cd)pyrene	18.34	276	312992	26.15	ng	# 91
87) Benzo(b)fluoranthene	16.73	252	714434m	59.36	ng	
88) Benzo(k)fluoranthene	16.75	252	121343m	11.34	ng	
89) Benzo(a)pyrene	17.10	252	416934	39.69	ng	# 92
90) Dibenzo(a,h)anthracene	18.37	278	74117m	7.05	ng	
91) Benzo(a,h,i)perylene	18.67	276	284533	26.99	ng	96

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

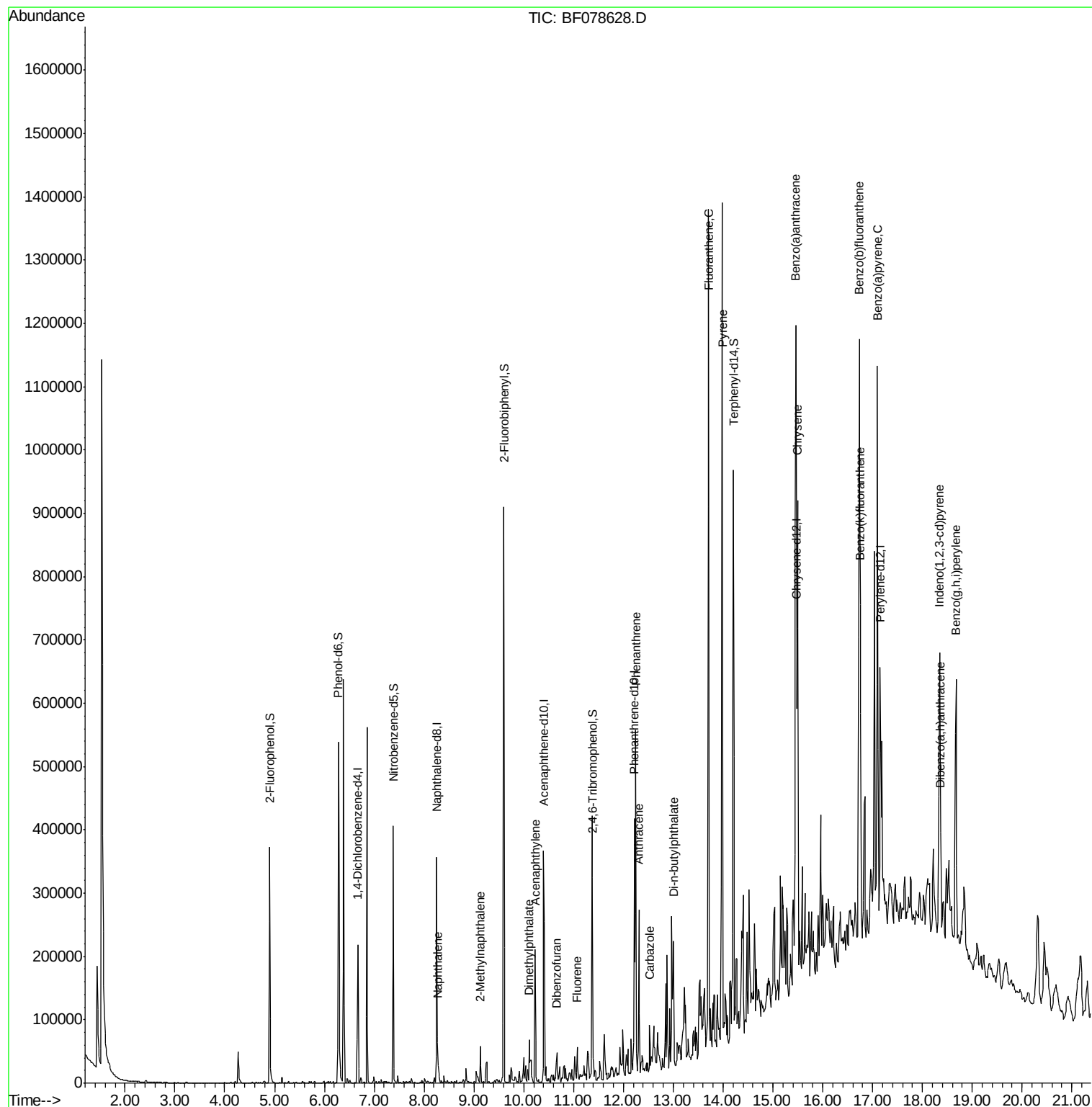
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078628.D
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Misc :
ALS Vial : 25 Sample Multiplier: 1

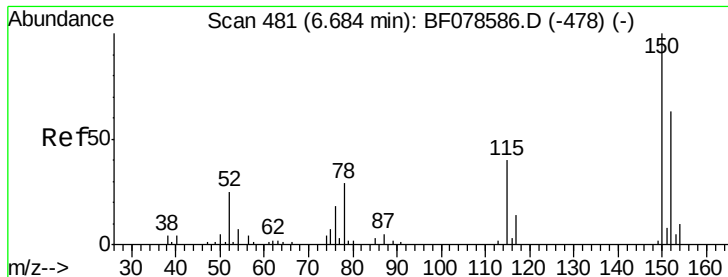
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Apr 20 01:09:10 2015
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QLast Update : Sat Apr 18 05:04:14 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

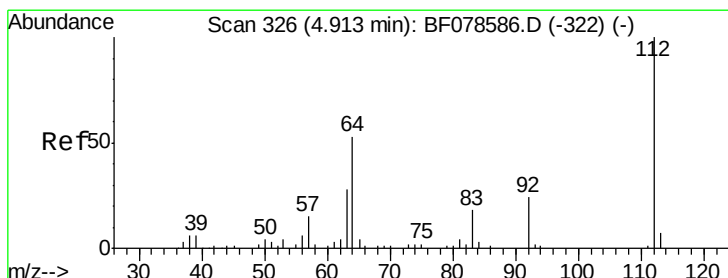
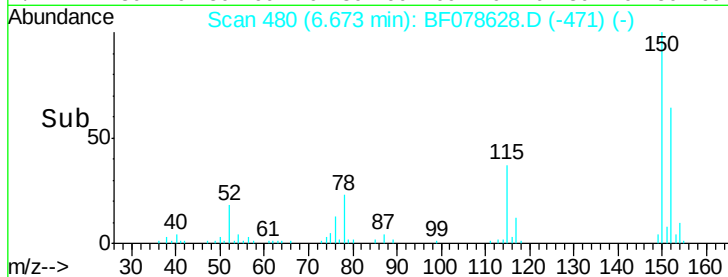
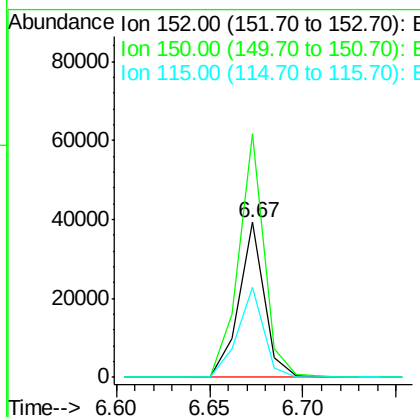
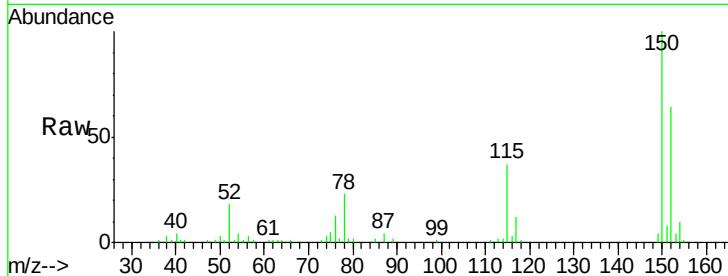
ClientSampleId :

LS-SB20

Tot Ion:	152	Resp:	37452
Ion Ratio	Lower	Upper	
152	100		
150	157.0	125.9	188.9
115	57.9	52.7	79.1

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#5

2-Fluorophenol

Concen: 70.74 ng

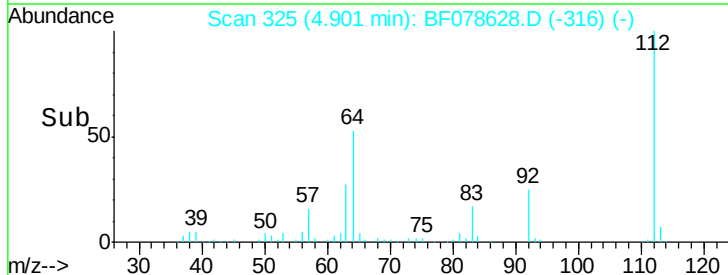
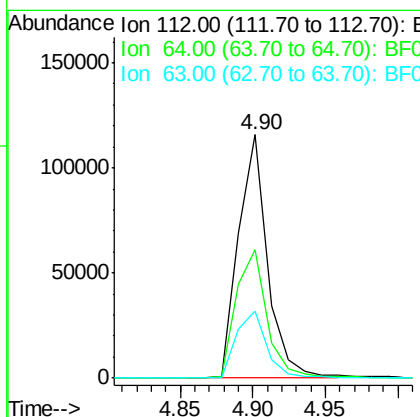
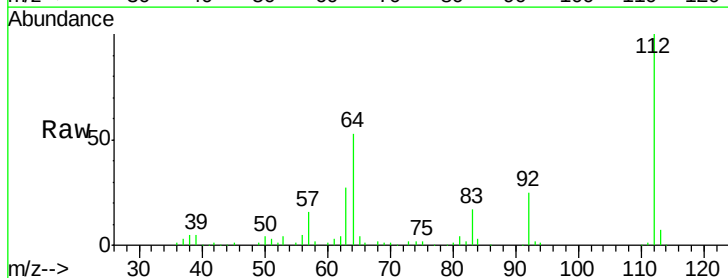
RT: 4.90 min Scan# 325

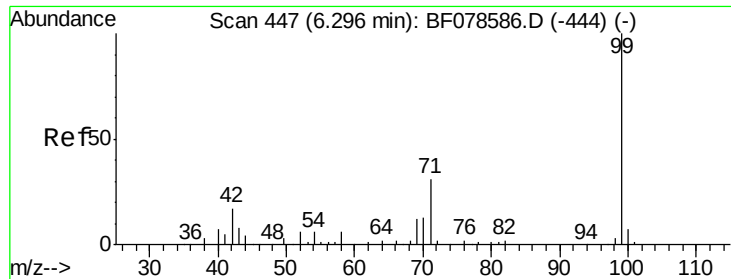
Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Tgt Ion:	112	Resp:	160684
Ion Ratio	Lower	Upper	
112	100		
64	52.6	39.9	59.9
63	27.5	20.2	30.4





#7

Phenol-d6

Concen: 77.40 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

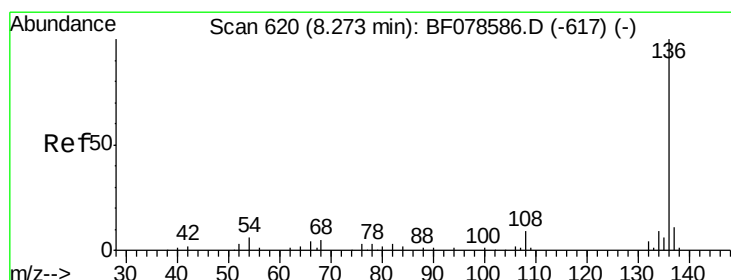
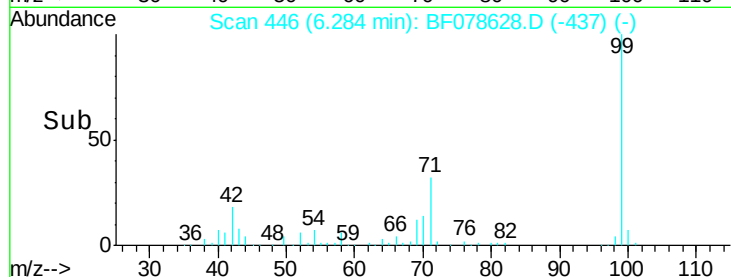
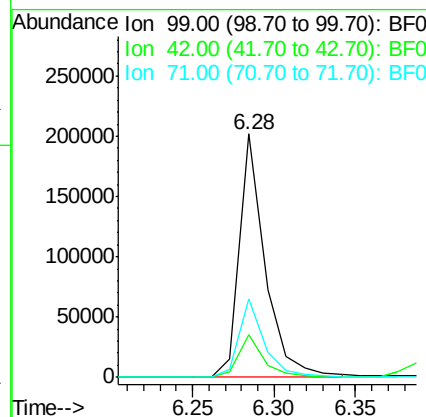
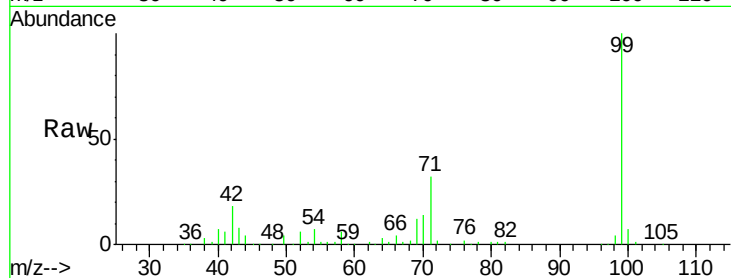
ClientSampleId :

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Tot Ion:	99	Resp:	220338
Ion Ratio	Lower	Upper	
99	100		
42	17.7	14.8	22.2
71	32.4	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

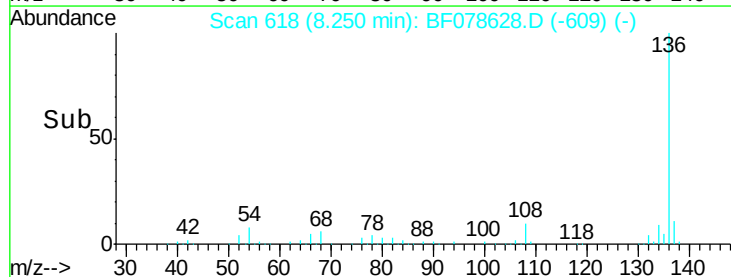
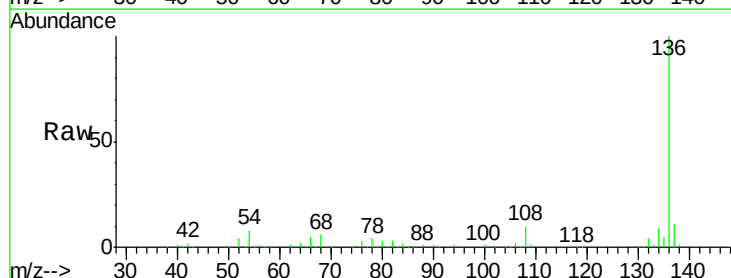
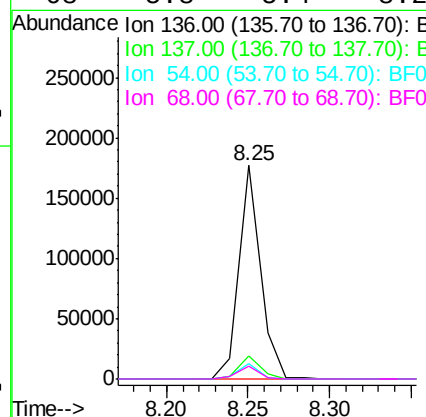
RT: 8.25 min Scan# 618

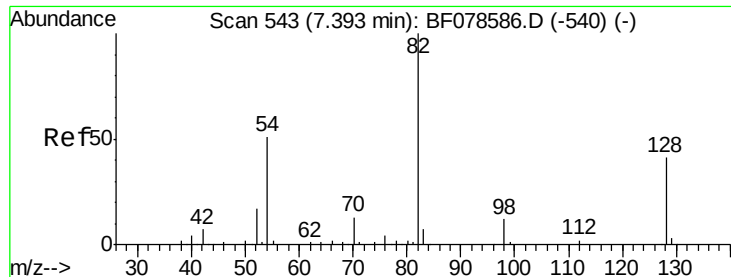
Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Tgt Ion:	136	Resp:	160612
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.5	7.0	10.6
68	5.8	5.4	8.2





#23

Nitrobenzene-d5

Concen: 57.25 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

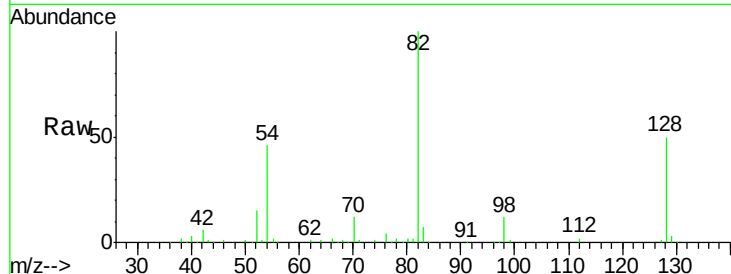
ClientSampled :

LS-SB20

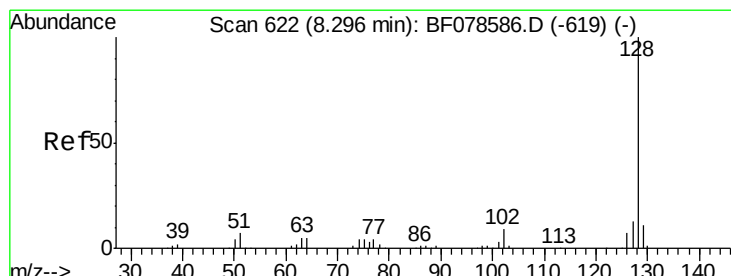
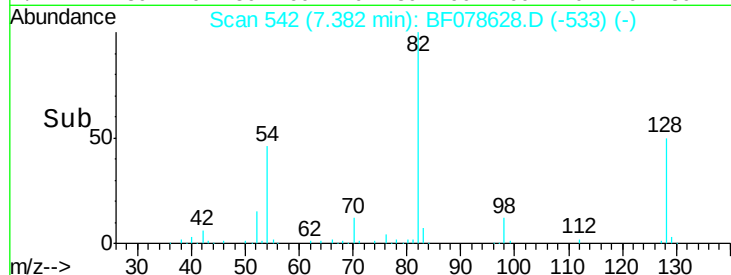
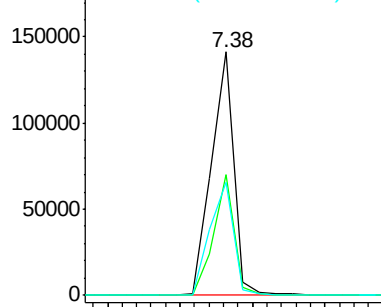
Tot Ion:	82	Resp:	151694
Ion Ratio	Lower	Upper	
82	100		
128	49.8	31.8	47.8#
54	46.5	41.5	62.3

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Abundance Ion 82.00 (81.70 to 82.70): BF078586.D (-540) (-)



#31

Naphthalene

Concen: 3.91 ng

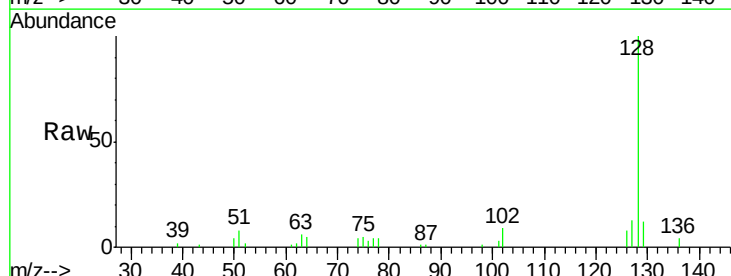
RT: 8.27 min Scan# 620

Delta R.T. -0.01 min

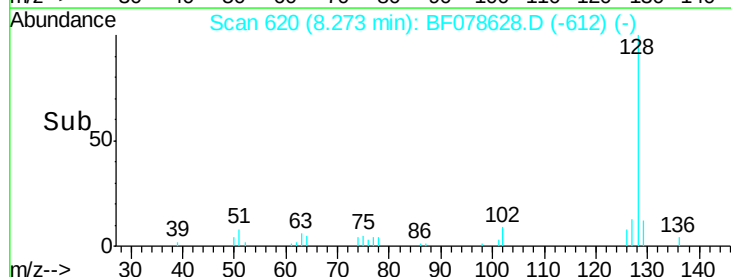
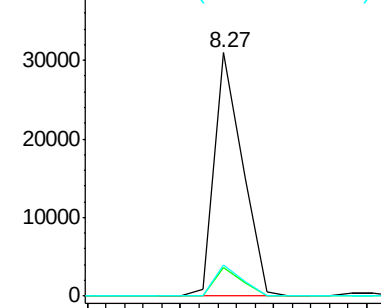
Lab File: BF078628.D

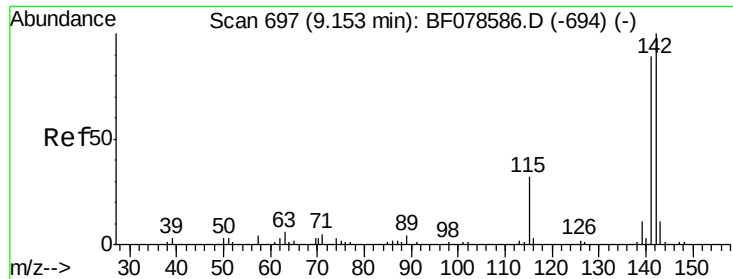
Acq: 18 Apr 2015 7:06

Tgt Ion:	128	Resp:	32671
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.6	12.8
127	12.9	10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): BF078586.D (-619) (-)





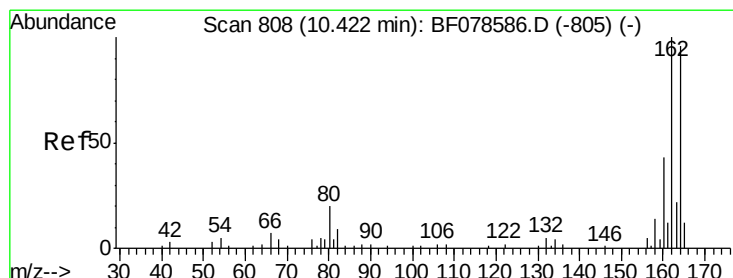
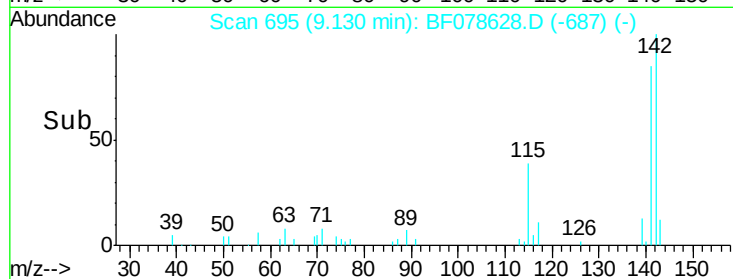
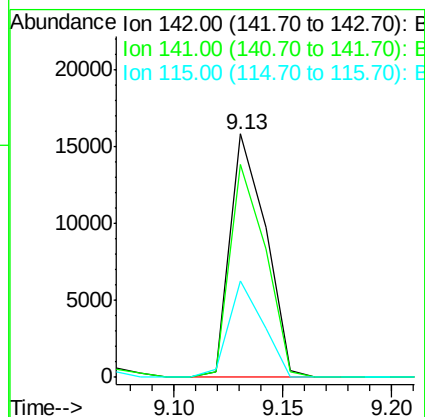
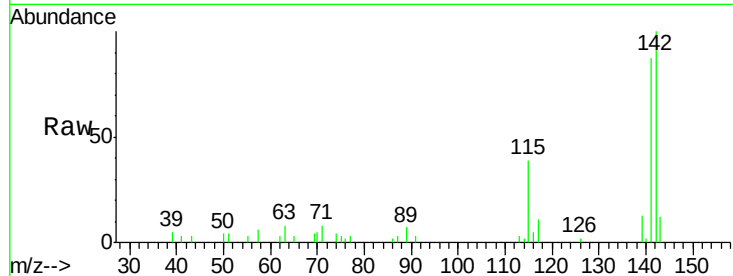
#37
2-Methylnaphthalene
Concen: 3.19 ng
RT: 9.13 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.3	105.5
115	39.5	24.6	37.0

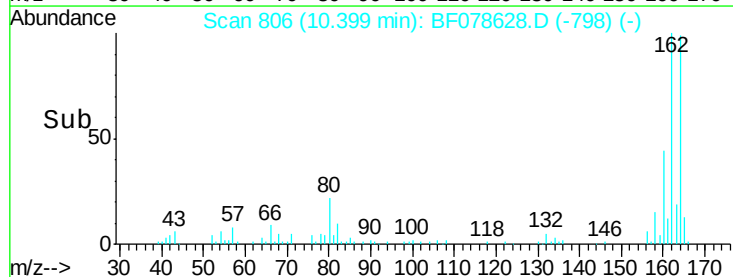
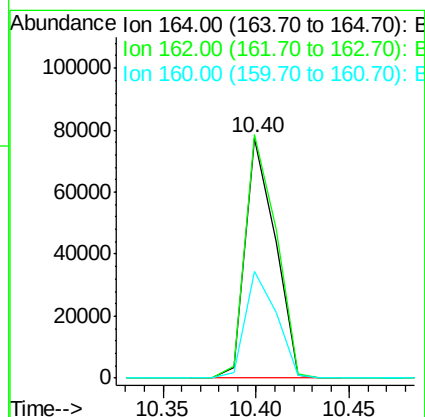
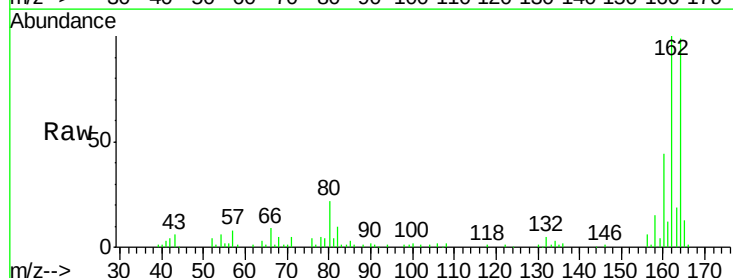
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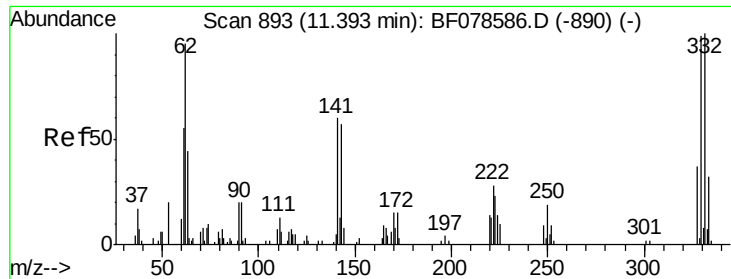
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	44.2	34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 85.10 ng

RT: 11.38 min Scan# 892

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

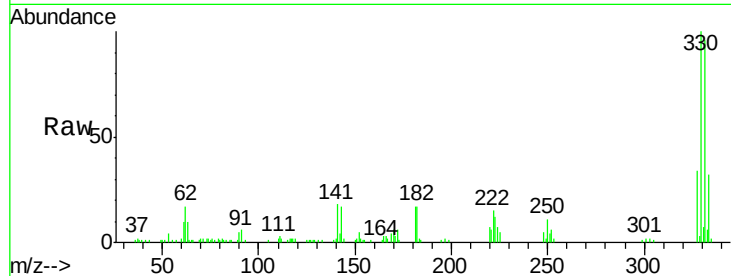
ClientSampleId :

LS-SB20

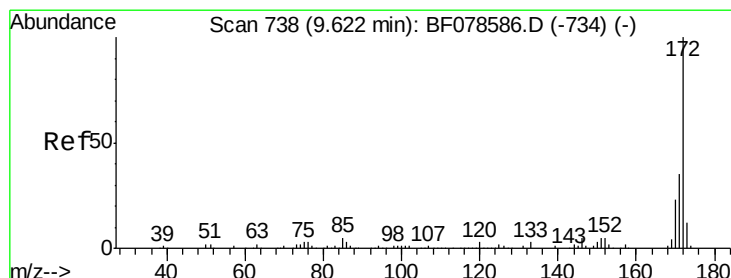
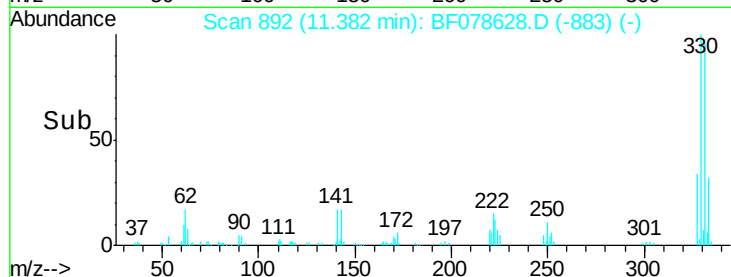
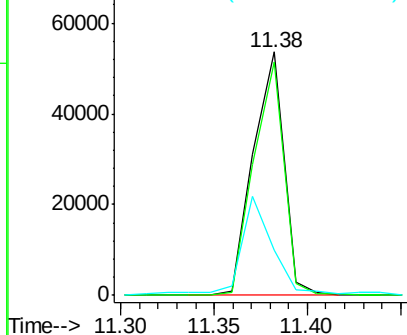
Tot Ion:	330	Resp:	60995
Ion Ratio	Lower	Upper	
330	100		
332	94.8	78.6	117.8
141	43.3	31.2	46.8

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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: 48.00 ng

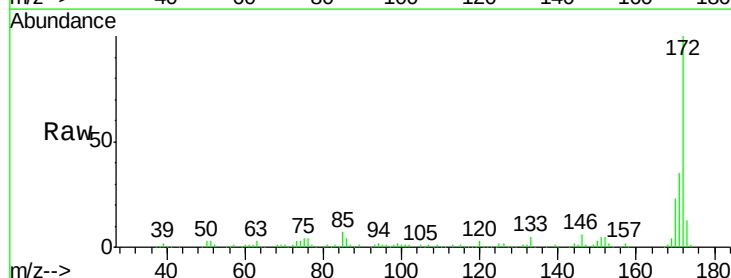
RT: 9.60 min Scan# 736

Delta R.T. 0.00 min

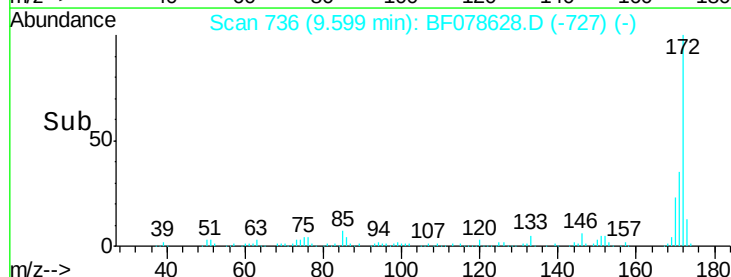
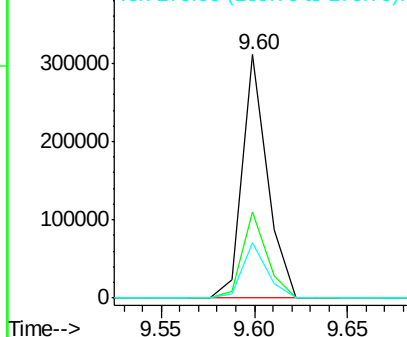
Lab File: BF078628.D

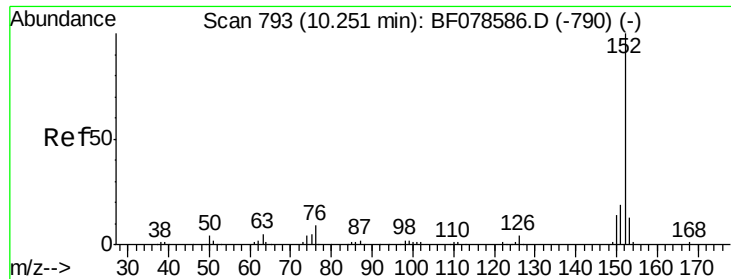
Acq: 18 Apr 2015 7:06

Tgt Ion:	172	Resp:	290172
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.6	42.8
170	22.9	18.5	27.7



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





#48

Acenaphthylene

Concen: 10.85 ng

RT: 10.23 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

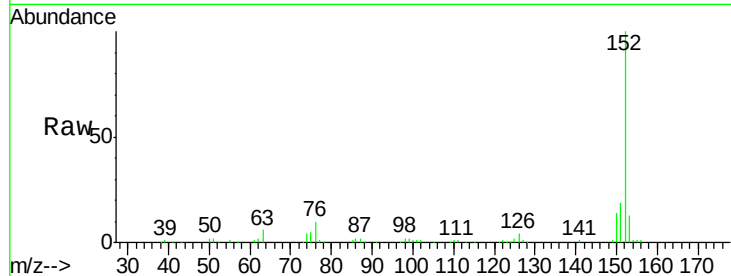
ClientSampled :

LS-SB20

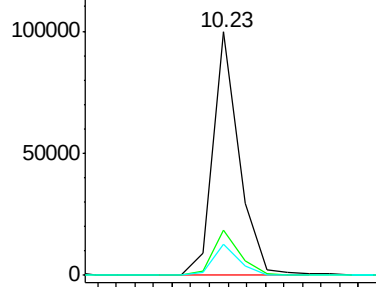
Tot Ion:	152	Resp:	97465
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.7	23.5
153	12.9	10.2	15.2

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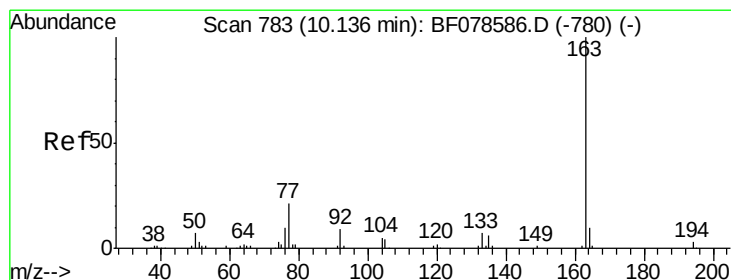
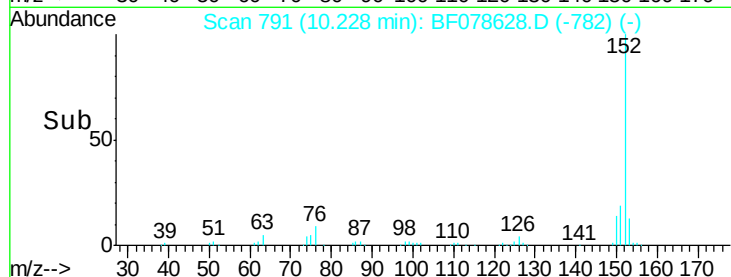
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Dimethylphthalate

Concen: 4.49 ng

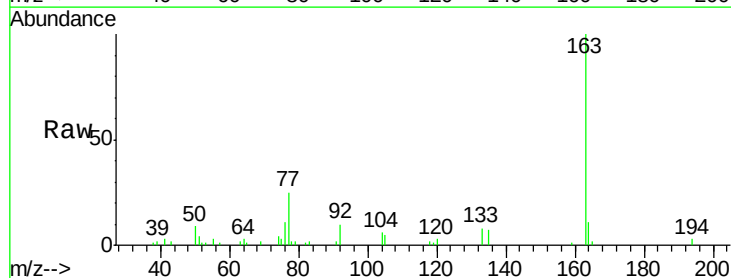
RT: 10.11 min Scan# 781

Delta R.T. -0.01 min

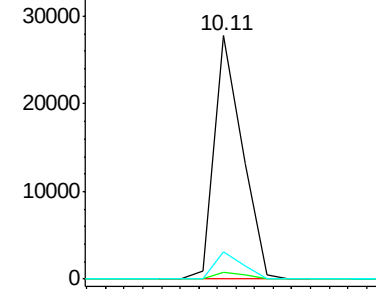
Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

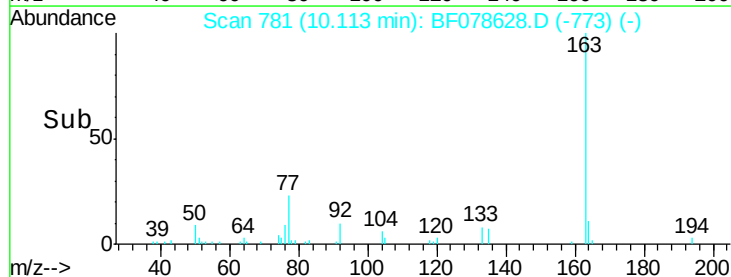
Tgt Ion:	163	Resp:	29145
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.3	3.5
164	11.2	8.6	13.0

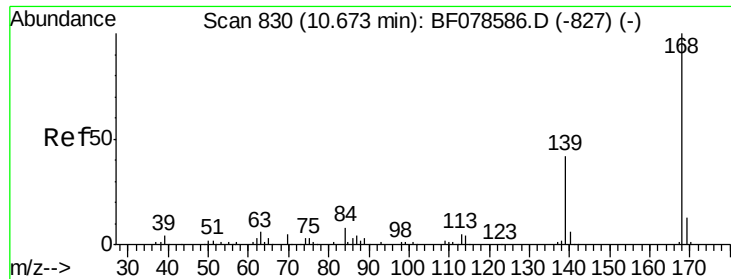


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->





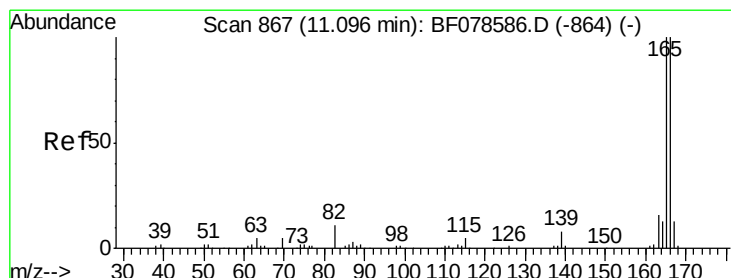
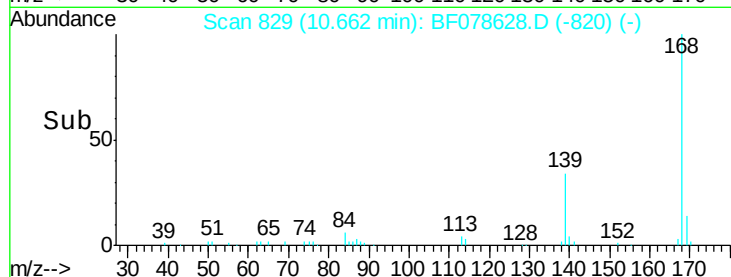
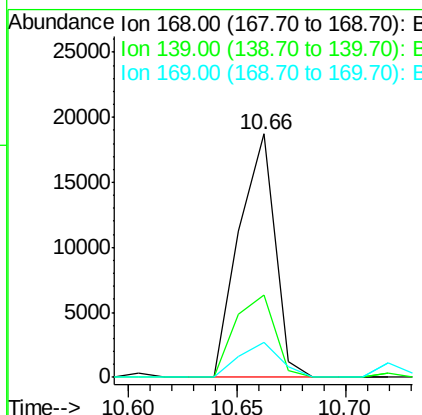
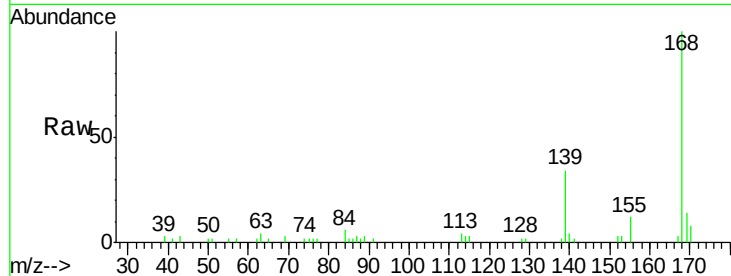
#54
Dibenzenofuran
Concen: 2.77 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampled :
LS-SB20

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.7	31.0	46.4
169	14.4	10.7	16.1

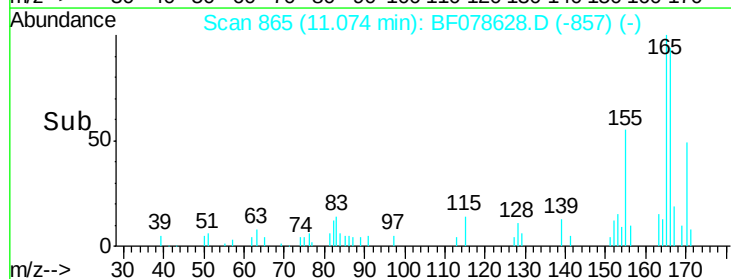
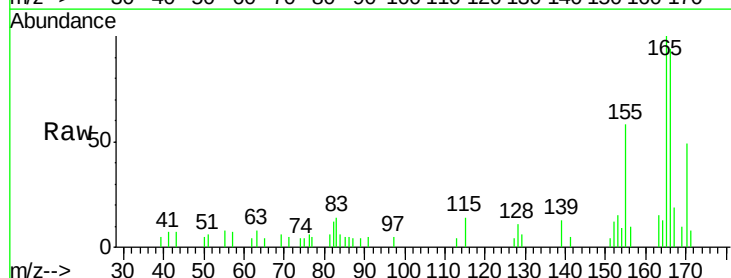
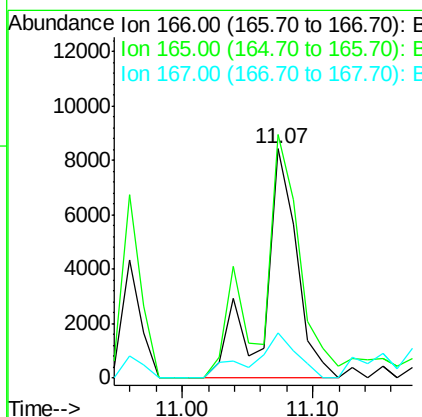
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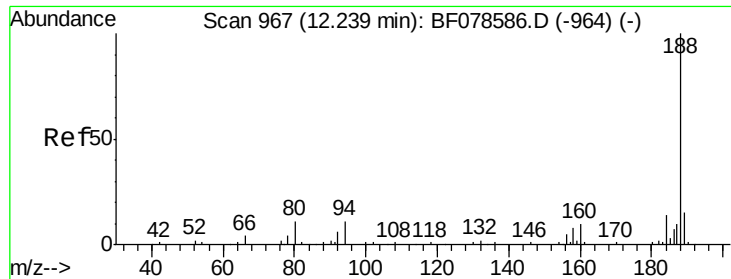
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#57
Fluorene
Concen: 2.36 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.3	78.9	118.3
167	19.9	10.7	16.1#





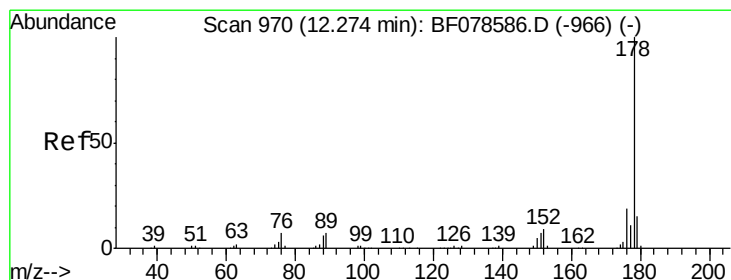
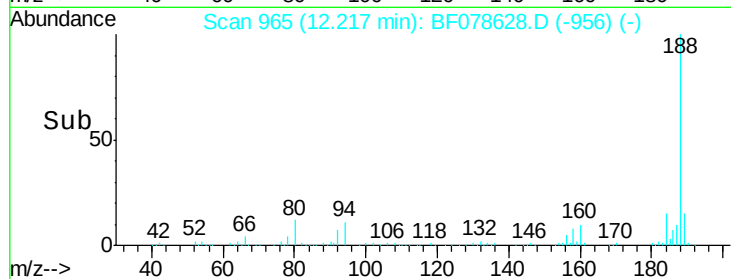
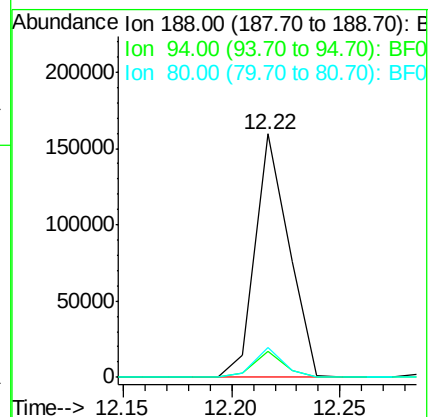
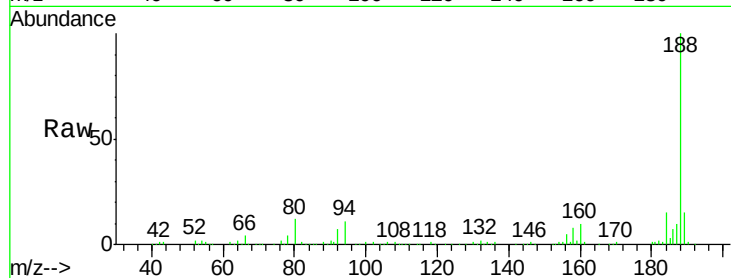
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BF078628.D
 Acq: 18 Apr 2015 7:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	9.0	13.4
80	12.3	9.5	14.3

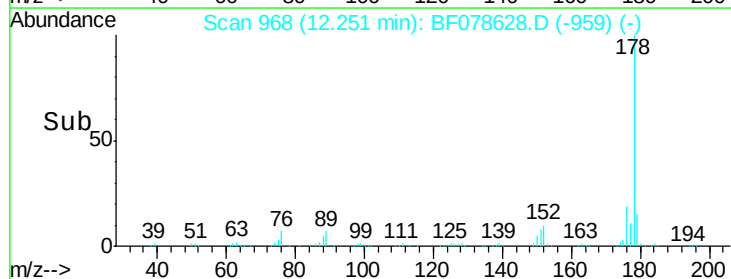
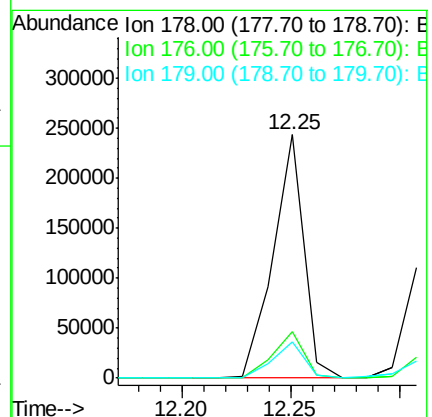
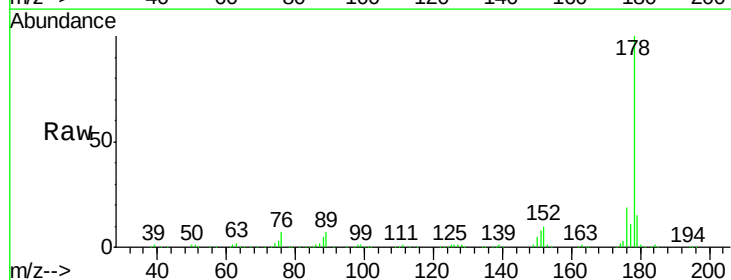
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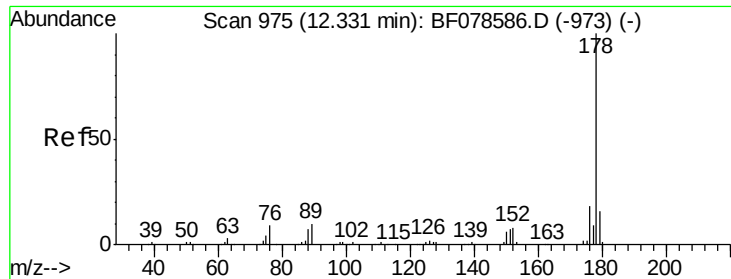
apatel
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#70
 Phenanthrene
 Concen: 24.32 ng
 RT: 12.25 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF078628.D
 Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.4	23.0
179	14.8	12.2	18.2





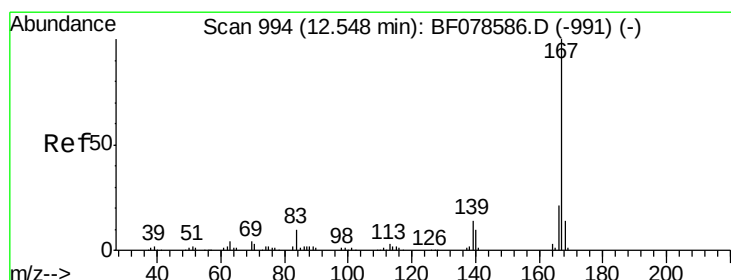
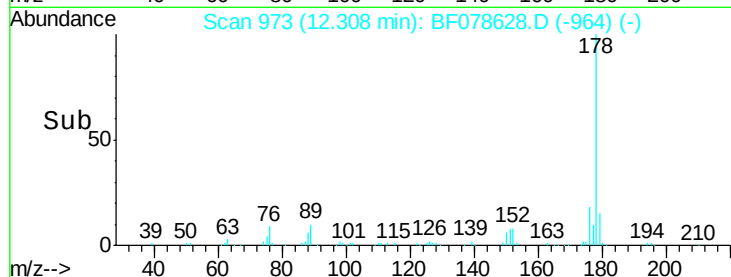
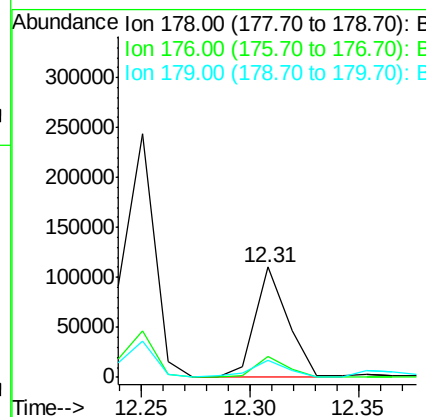
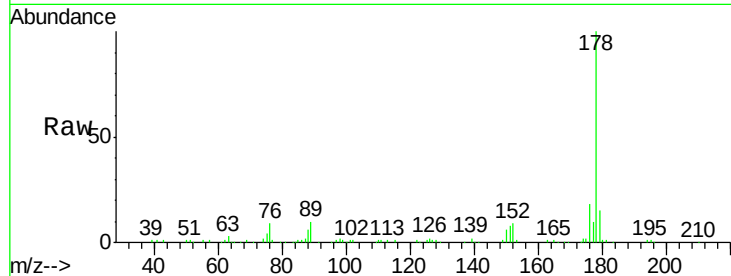
#71
 Anthracene
 Concen: 11.57 ng
 RT: 12.31 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: BF078628.D
 Acq: 18 Apr 2015 7:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.4	18.6

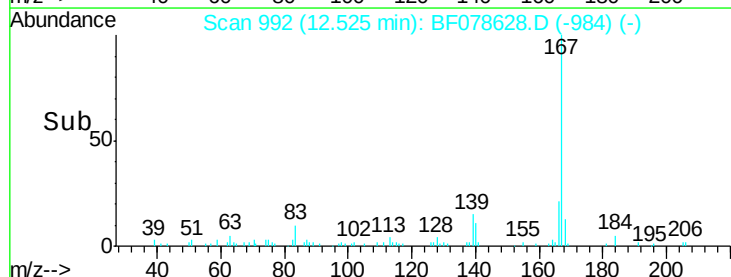
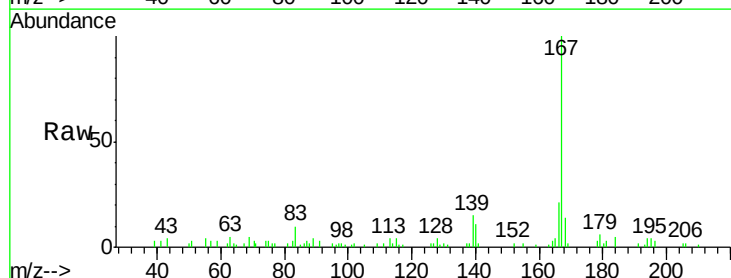
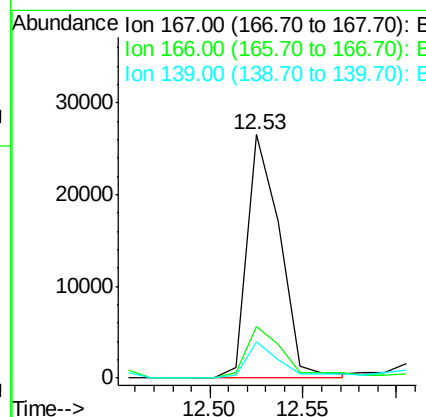
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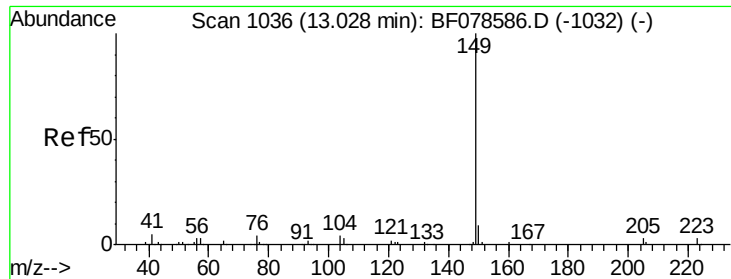
apatel
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#72
 Carbazole
 Concen: 3.51 ng
 RT: 12.53 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BF078628.D
 Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.8	25.2
139	14.8	10.0	15.0





#73

Di-n-butylphthalate

Concen: 4.05 ng

RT: 13.01 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

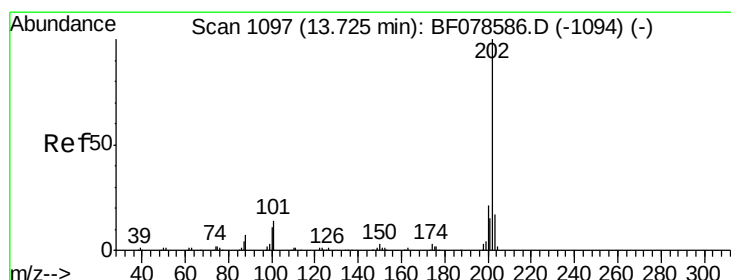
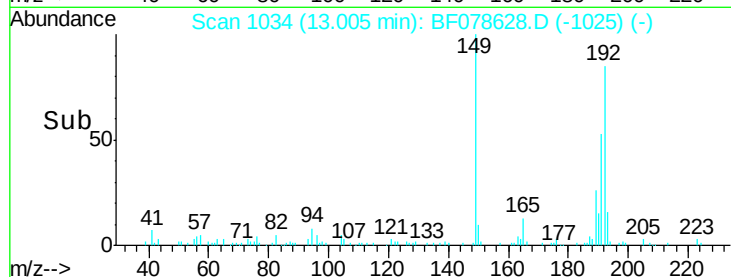
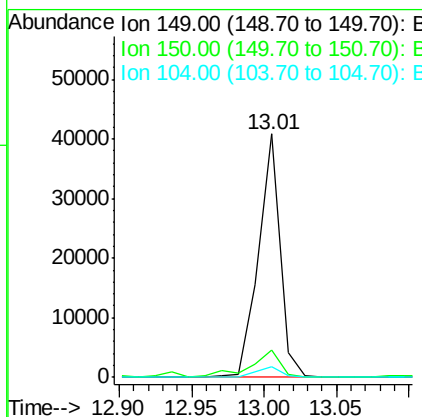
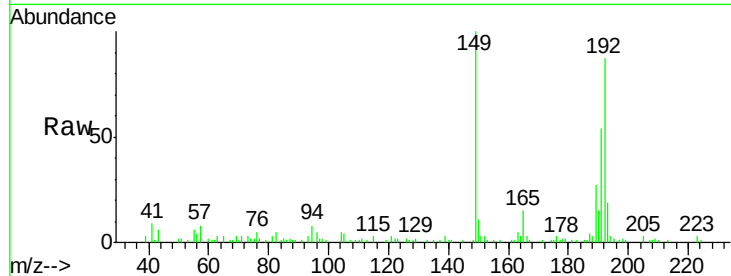
ClientSampled :

LS-SB20

Tot Ion:	149	Resp:	42310
Ion Ratio	Lower	Upper	
149	100		
150	11.2	7.1	10.7#
104	4.6	3.8	5.6

Manual Integrations
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#74

Fluoranthene

Concen: 66.61 ng

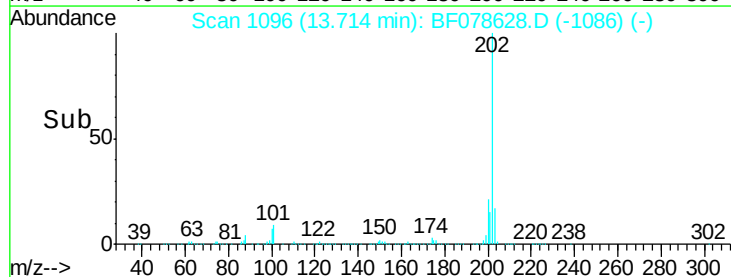
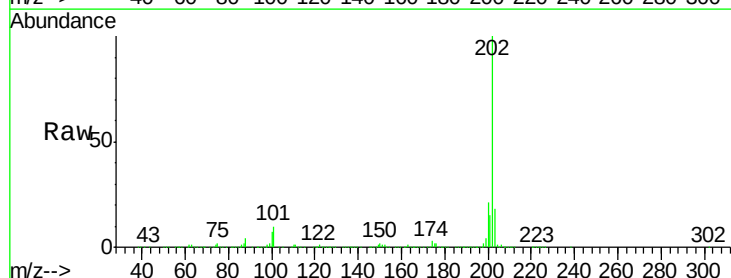
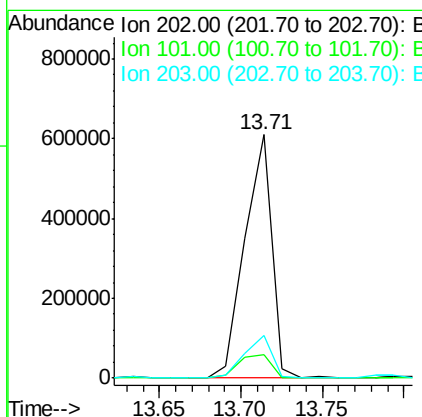
RT: 13.71 min Scan# 1096

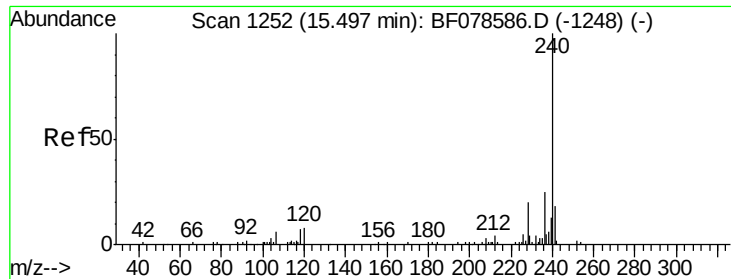
Delta R.T. 0.01 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Tgt Ion:	202	Resp:	701191
Ion Ratio	Lower	Upper	
202	100		
101	9.6	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: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

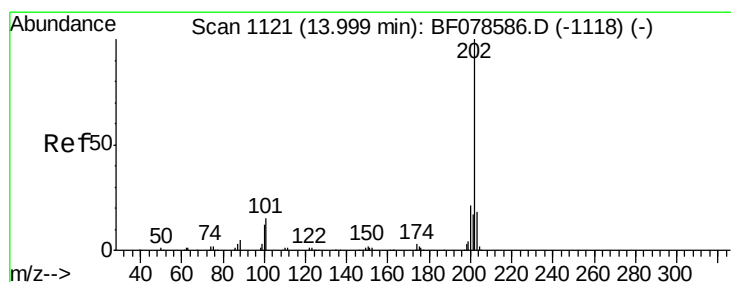
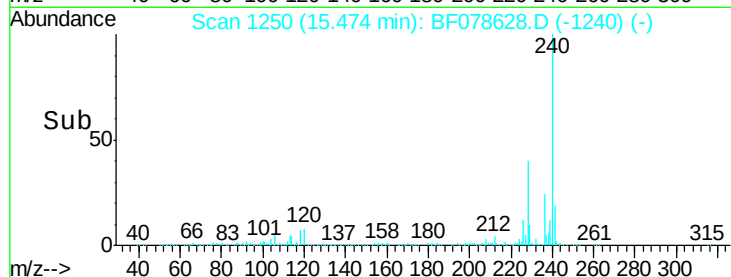
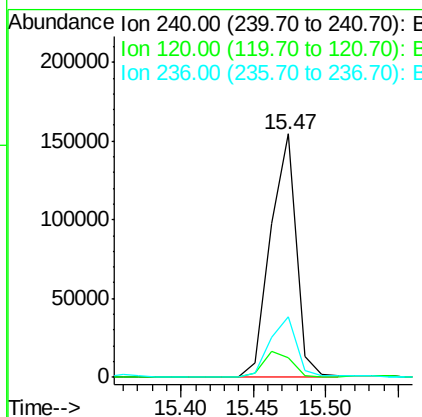
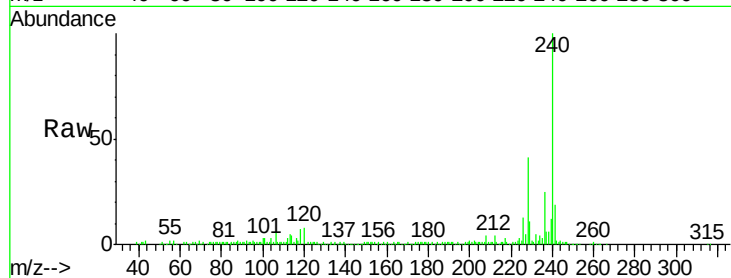
ClientSampleId :

LS-SB20

Tot Ion:	240	Resp:	188710
Ion Ratio		Lower	Upper
240	100		
120	8.3	7.1	10.7
236	24.8	21.4	32.2

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#77

Pyrene

Concen: 58.83 ng

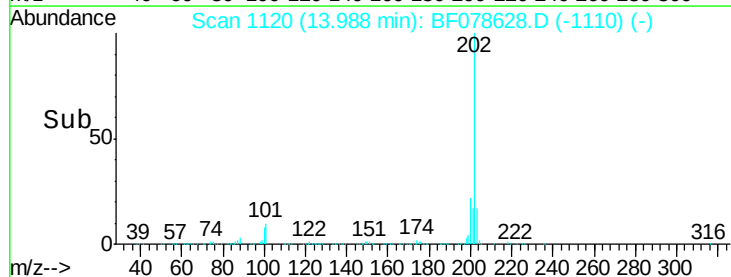
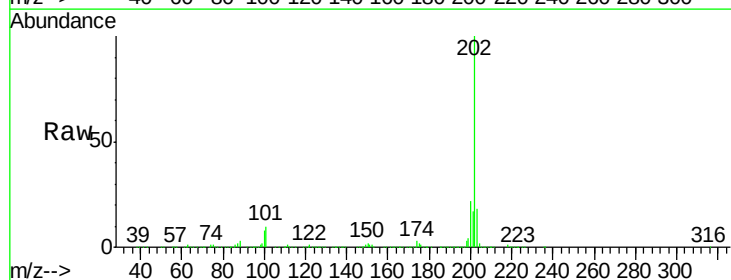
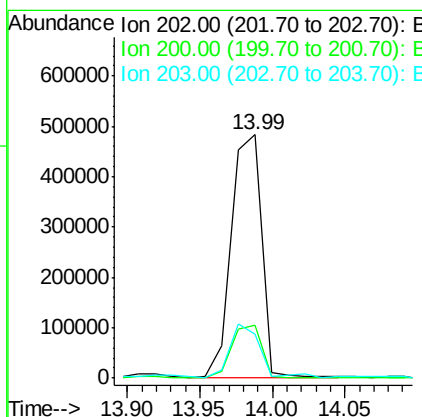
RT: 13.99 min Scan# 1120

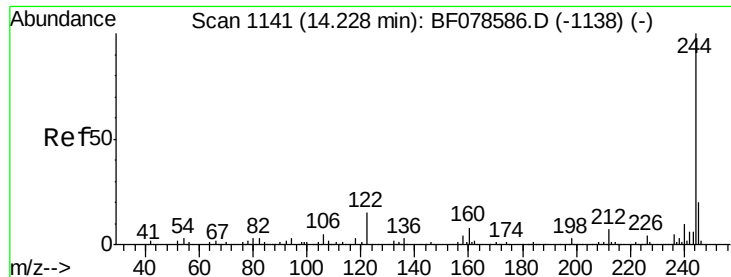
Delta R.T. 0.01 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Tgt Ion:	202	Resp:	696940
Ion Ratio		Lower	Upper
202	100		
200	21.8	16.3	24.5
203	18.0	13.8	20.6





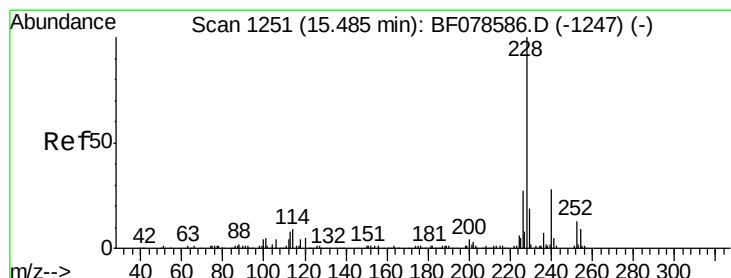
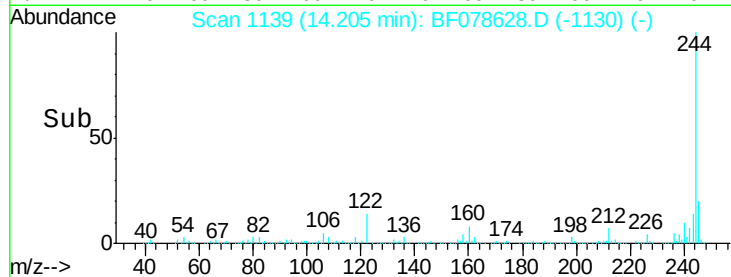
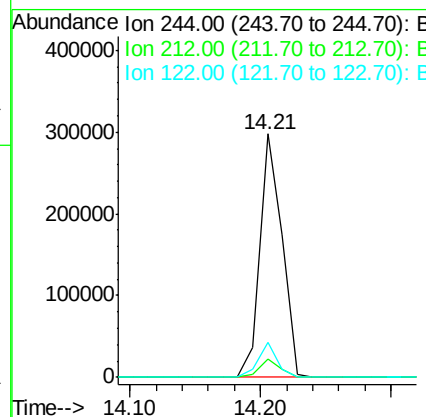
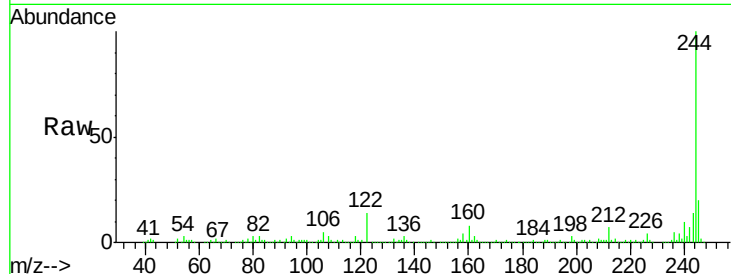
#78
 Terphenyl-d14
 Concen: 42.24 ng
 RT: 14.21 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: BF078628.D
 Acq: 18 Apr 2015 7:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.0	7.4
122	14.4	7.1	10.7

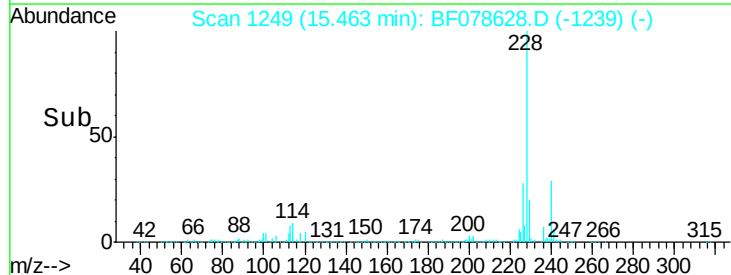
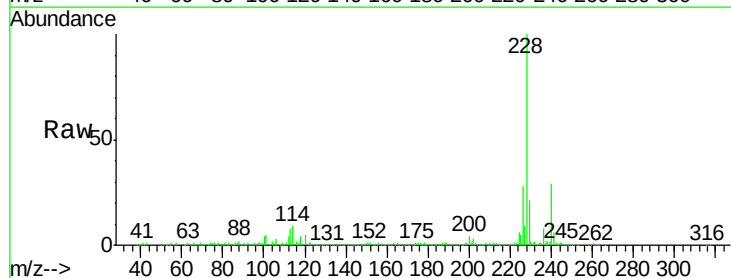
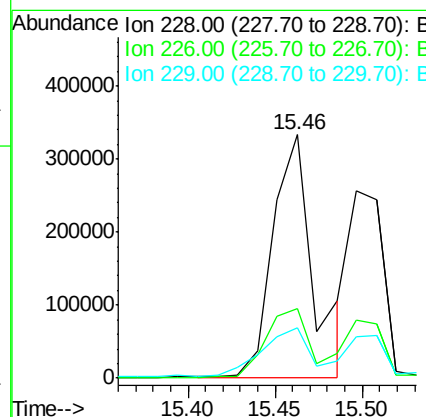
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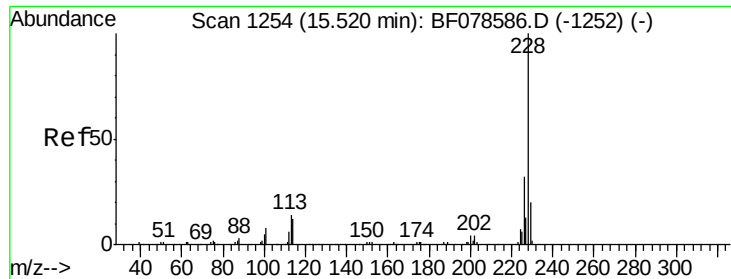
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#80
 Benzo(a)anthracene
 Concen: 48.26 ng m
 RT: 15.46 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: BF078628.D
 Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.4	21.3	31.9
229	20.8	15.4	23.2





#82

Chrysene

Concen: 32.91 ng

RT: 15.50 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Instrument :

BNA_F

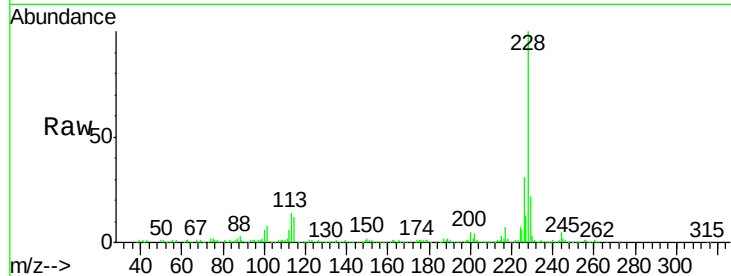
ClientSampled :

LS-SB20

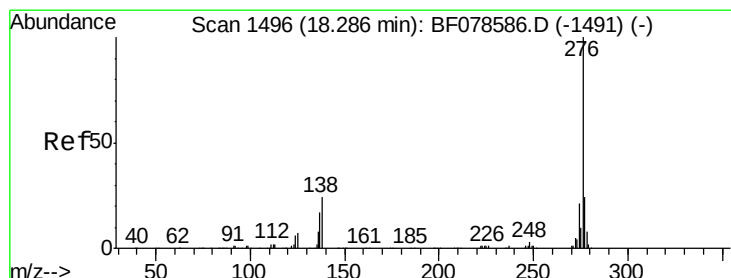
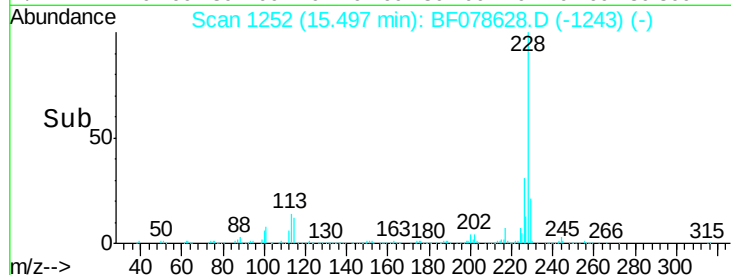
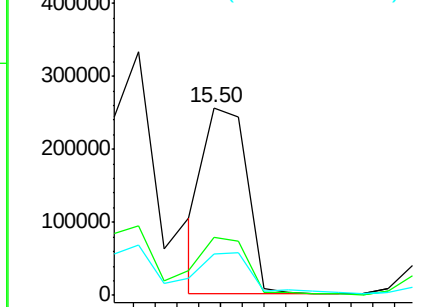
Tot Ion:	228	Resp:	347139
Ion Ratio		Lower	Upper
228	100		
226	30.8	24.2	36.4
229	22.1	15.8	23.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 26.15 ng

RT: 18.34 min Scan# 1501

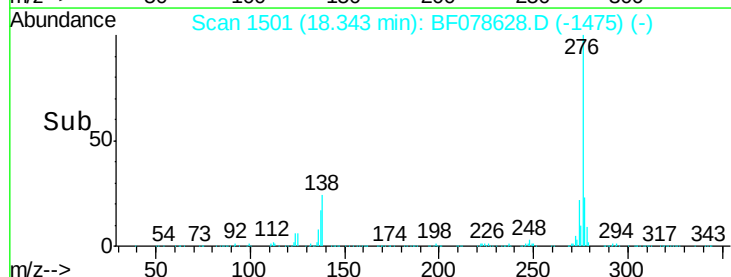
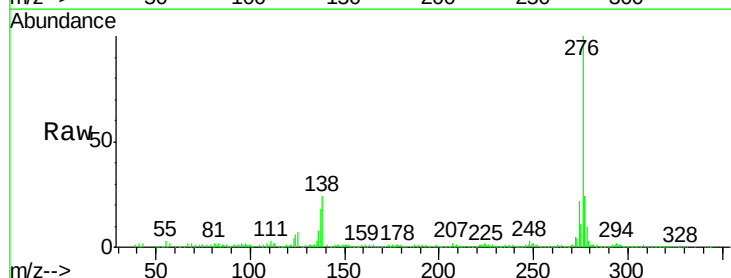
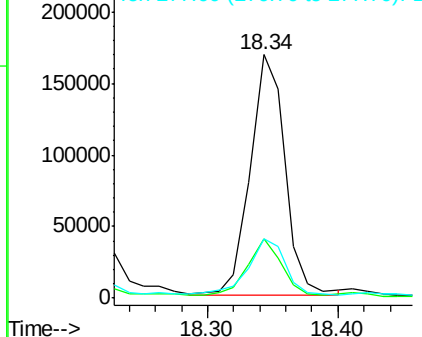
Delta R.T. 0.00 min

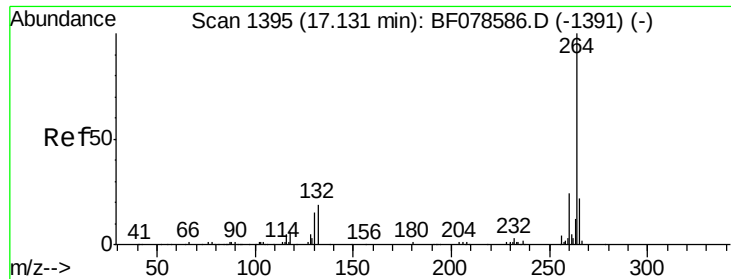
Lab File: BF078628.D

Acq: 18 Apr 2015 7:06

Tgt Ion:	276	Resp:	312992
Ion Ratio		Lower	Upper
276	100		
138	23.9	16.9	25.3
277	25.6	15.8	23.6#

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





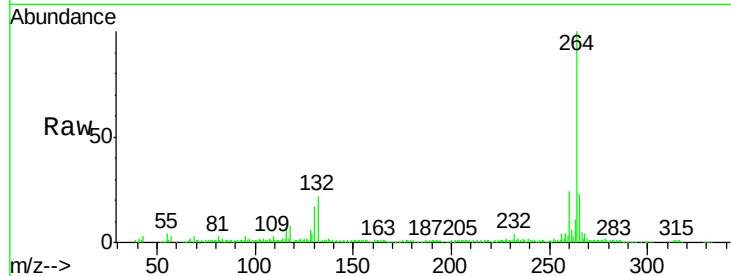
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

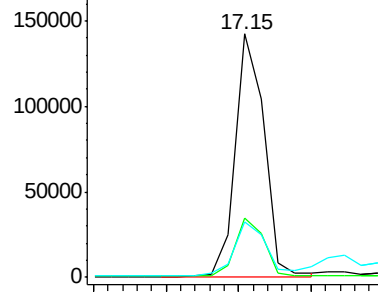
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.8	17.0	25.6

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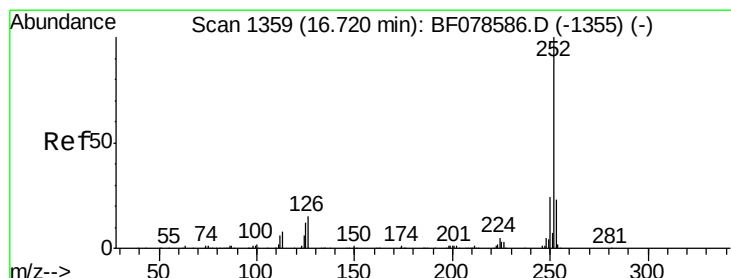
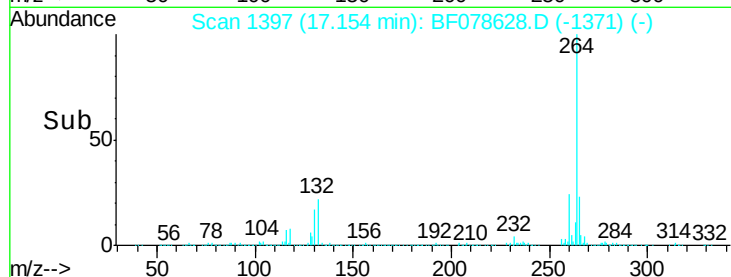
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



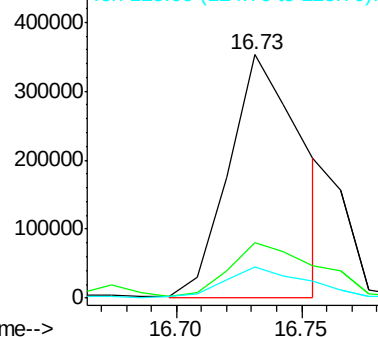
Time--> 17.05 17.10 17.15 17.20



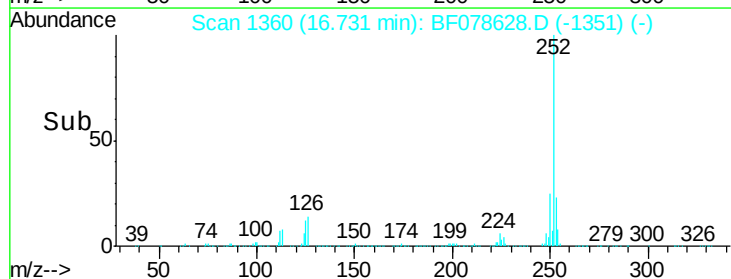
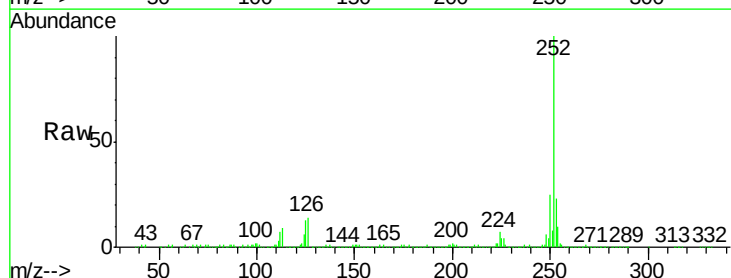
#87
Benzo(b)fluoranthene
Concen: 59.36 ng m
RT: 16.73 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

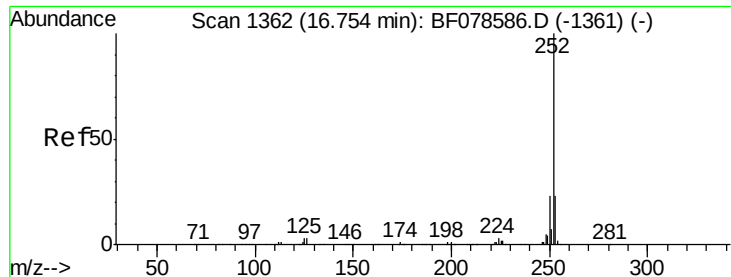
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.6	7.0	10.4

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



Time--> 16.70 16.75





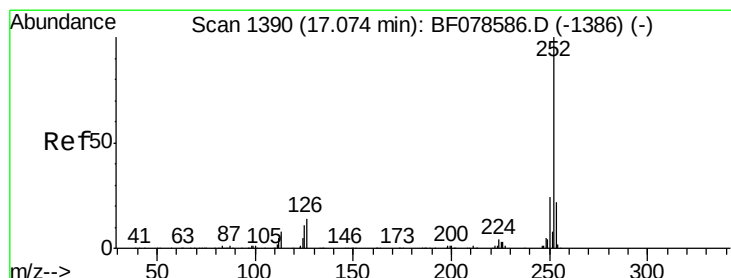
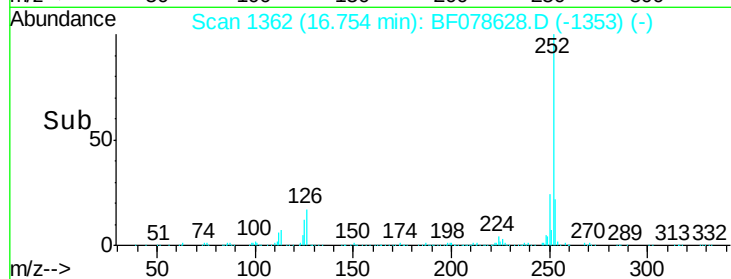
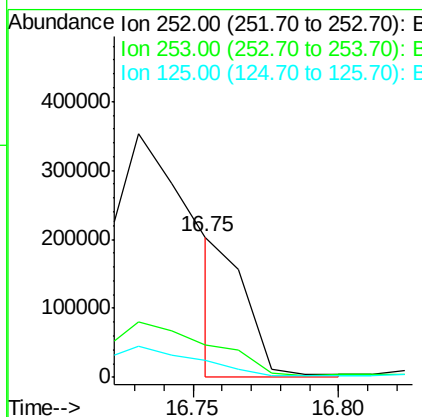
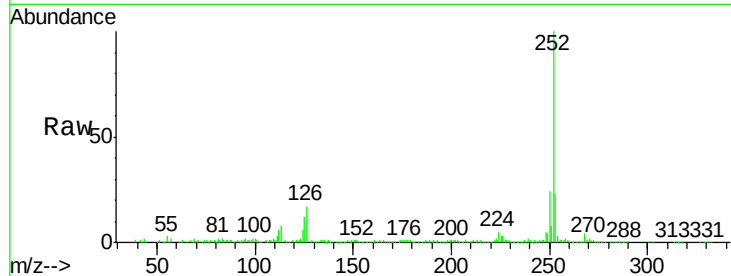
#88
Benzo(k)fluoranthene
Concen: 11.34 ng m
RT: 16.75 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.5	11.6	17.4

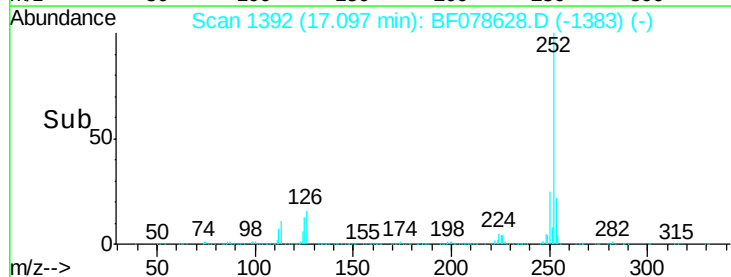
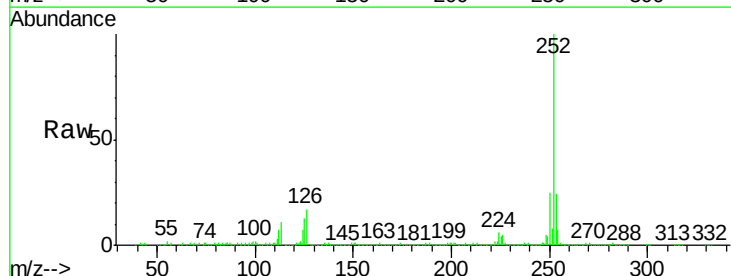
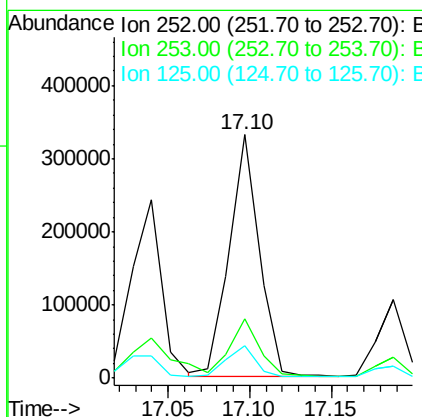
Manual Integrations
APPROVED

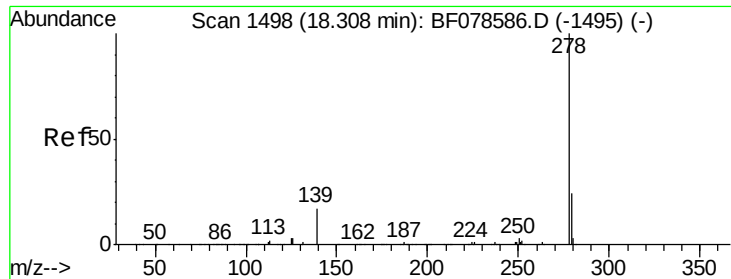
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#89
Benzo(a)pyrene
Concen: 39.69 ng
RT: 17.10 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.8	25.2
125	13.4	7.4	11.0





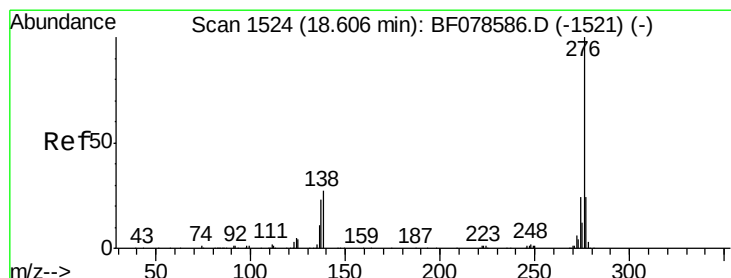
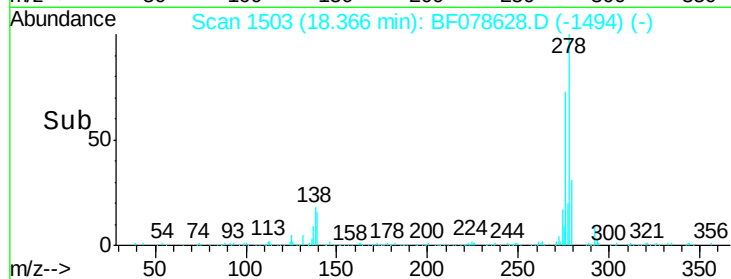
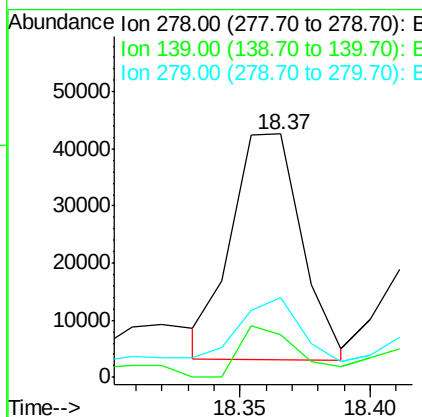
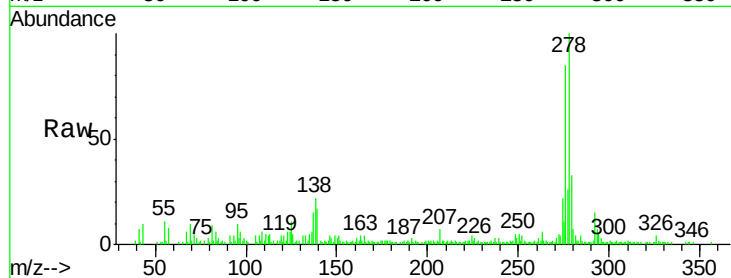
#90
Dibenzo(a,h)anthracene
Concen: 7.05 ng/mL
RT: 18.37 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Instrument :
BNA_F
ClientSampleID :
LS-SB20

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.6	20.4
279	32.9	19.0	28.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 26.99 ng/mL
RT: 18.67 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF078628.D
Acq: 18 Apr 2015 7:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	21.2	19.9	29.9

