

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
 Data File : BF075606.D
 Acq On : 17 Nov 2014 3:43
 Operator : TP / JJ
 Sample : F4695-01DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

Manual Integrations
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 11/17/2014 7:40:56 PM

Quant Time: Nov 17 07:20:53 2014
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 05:54:27 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	27512	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	114778	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	62171	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	104700	20.00	ng	0.00
75) Chrysene-d12	16.46	240	112425	20.00	ng	-0.01
86) Perylene-d12	18.22	264	114339	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	83667	53.72	ng	0.00
7) Phenol-d6	7.11	99	107752	57.54	ng	0.00
23) Nitrobenzene-d5	8.24	82	60250	38.49	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	27940	53.66	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	118548	34.46	ng	0.00
78) Terphenyl-d14	15.16	244	122816	29.41	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.16	128	238482	46.60	ng	100
37) 2-Methylnaphthalene	10.02	142	54474	15.60	ng	96
49) Dimethylphthalate	10.99	163	18374	4.32	ng	99
70) Phenanthrene	13.19	178	35565	6.45	ng	98
73) Di-n-butylphthalate	13.90	149	83236	10.81	ng	# 99
74) Fluoranthene	14.68	202	42957	7.28	ng	96
77) Pyrene	14.96	202	61435	9.40	ng	98
80) Benzo(a)anthracene	16.45	228	32584m	5.52	ng	
82) Chrysene	16.49	228	29099	5.70	ng	97
83) Bis(2-ethylhexyl)phthalate	16.48	149	29262	5.06	ng	# 99
85) Indeno(1,2,3-cd)pyrene	19.77	276	16436	2.65	ng	# 100
87) Benzo(b)fluoranthene	17.75	252	35702m	5.84	ng	
89) Benzo(a)pyrene	18.15	252	22935	4.19	ng	96
91) Benzo(a,h,i)perylene	20.24	276	15554	2.86	ng	94

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

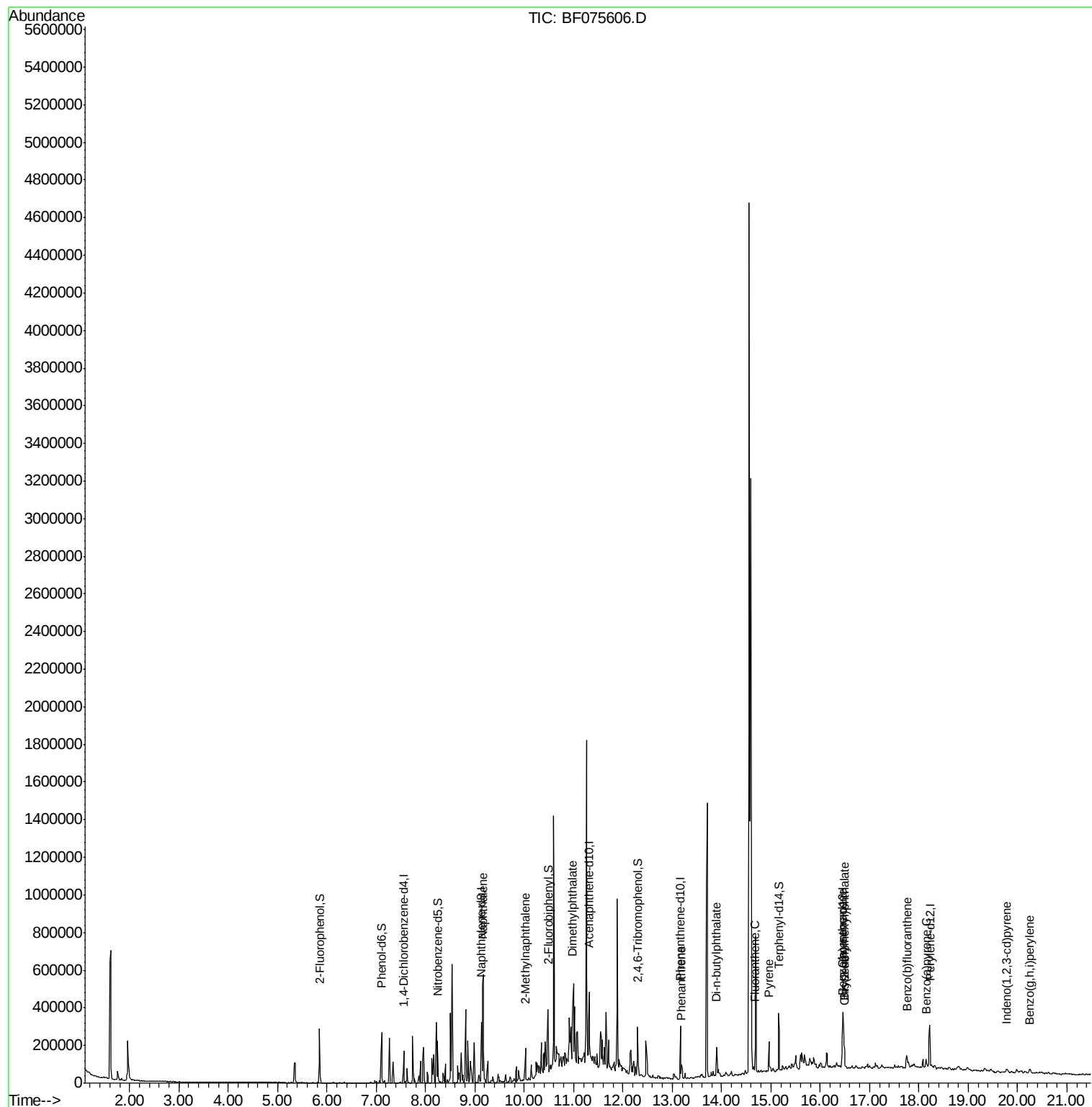
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\
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ALS Vial : 33 Sample Multiplier: 1

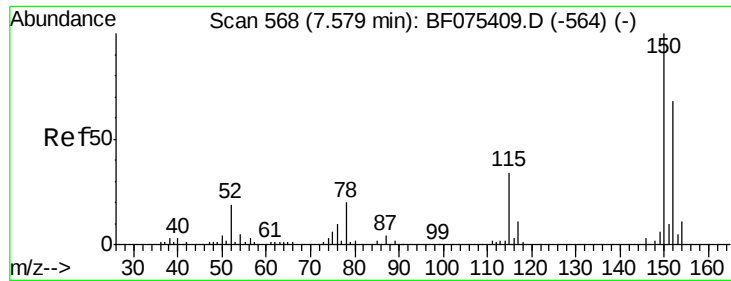
Instrument :
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#1

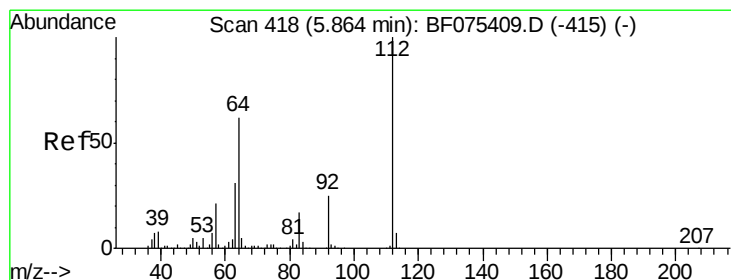
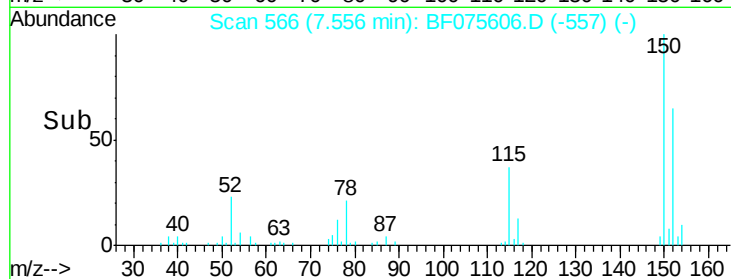
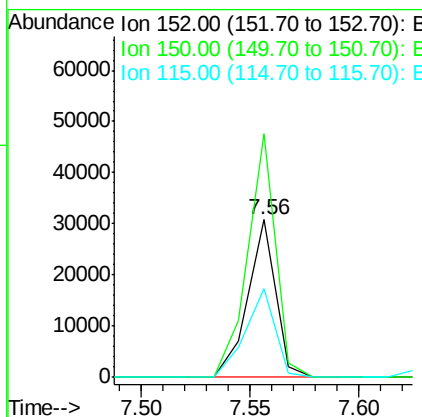
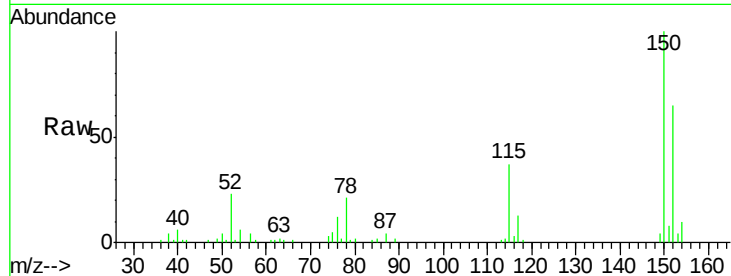
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.2	190.8
115	56.6	57.1	85.7

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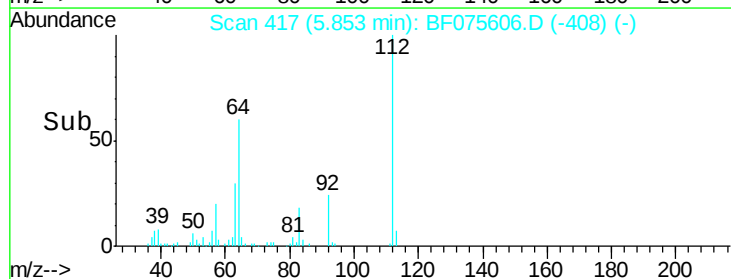
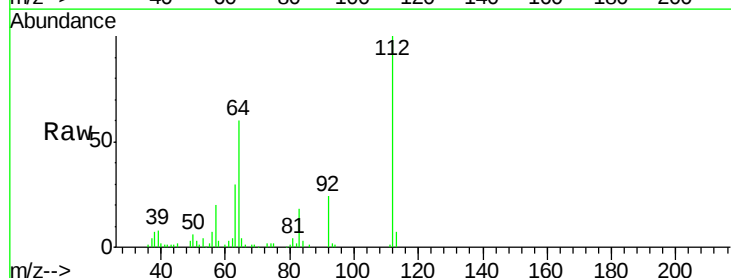
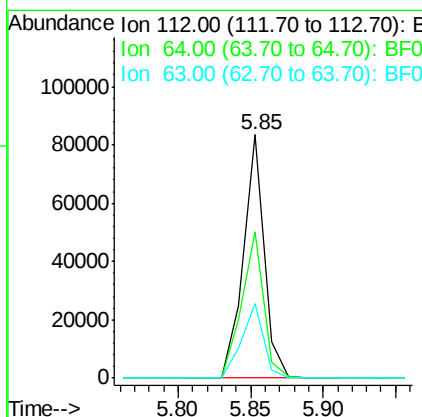
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#5

2-Fluorophenol
Concen: 53.72 ng
RT: 5.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	45.8	68.6
63	30.4	22.7	34.1





#7

Phenol-d6

Concen: 57.54 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

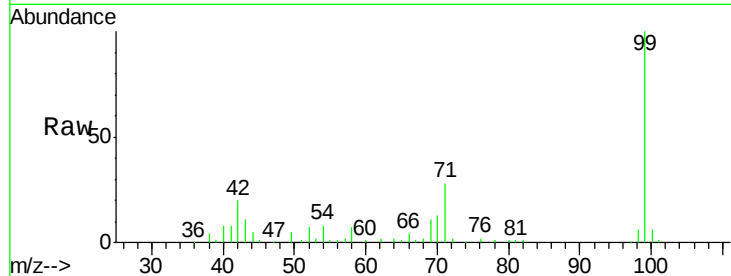
ClientSampleId :

SB-75(5-7)DL

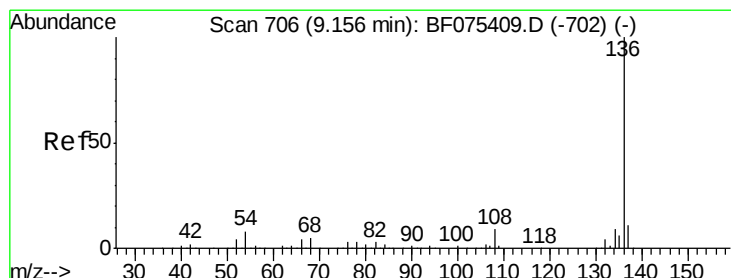
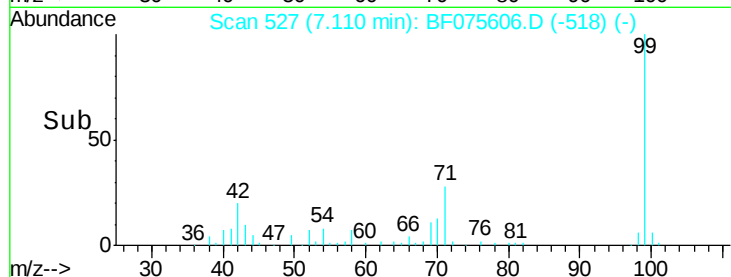
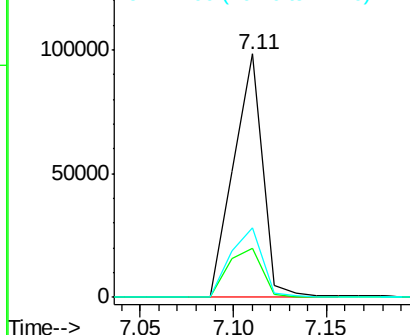
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		107752		
42	20.1	19.8	29.6		
71	28.4	25.5	38.3		

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

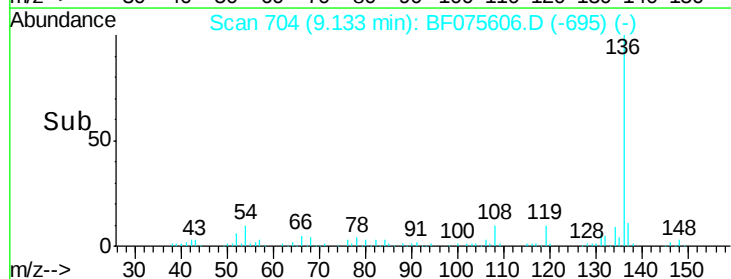
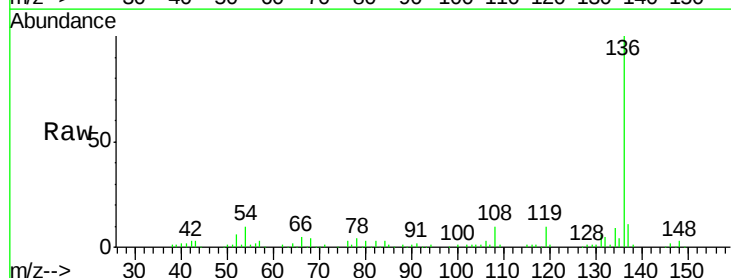
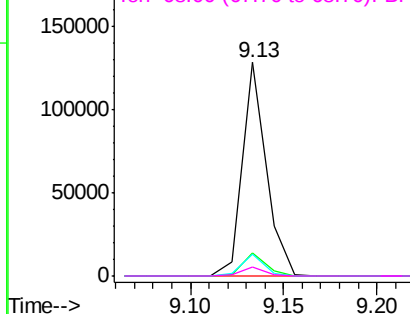
Delta R.T. 0.00 min

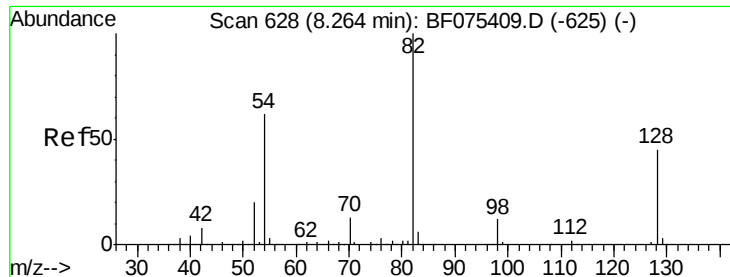
Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		114778		
137	11.1	8.2	12.4		
54	10.1	6.2	9.4		
68	4.5	3.4	5.2		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 38.49 ng

RT: 8.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

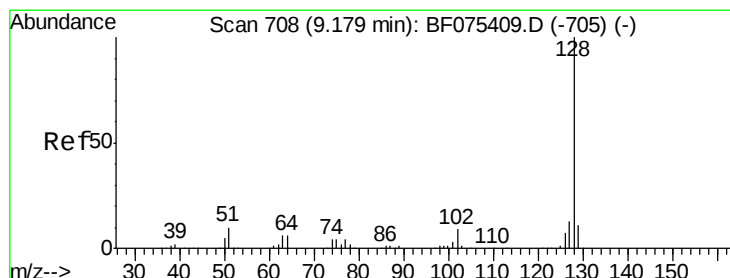
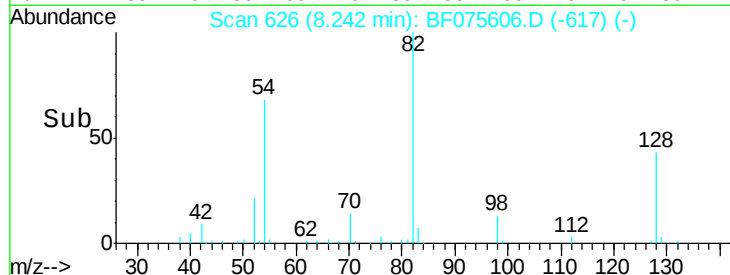
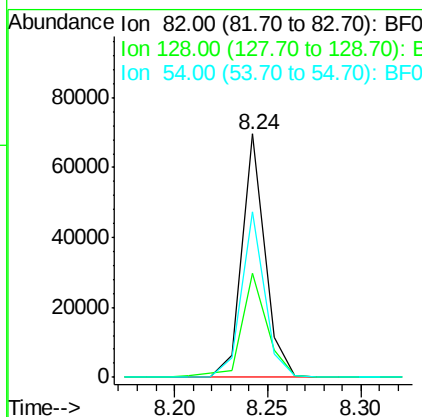
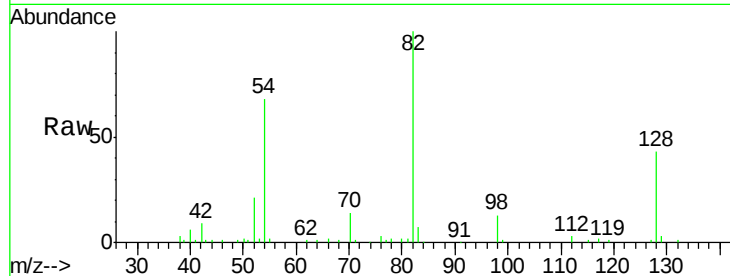
ClientSampleId :

SB-75(5-7)DL

Tot Ion:	82	Resp:	60250
Ion Ratio	Lower	Upper	
82	100		
128	42.9	37.8	56.6
54	68.0	49.8	74.8

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#31

Naphthalene

Concen: 46.60 ng

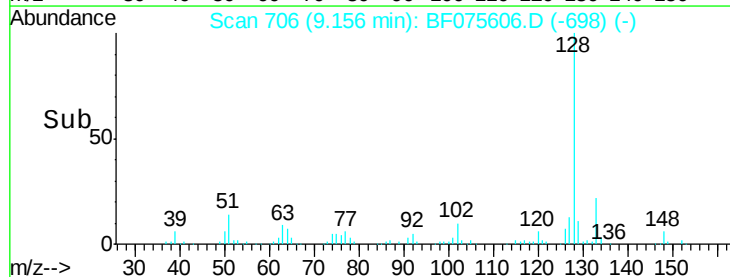
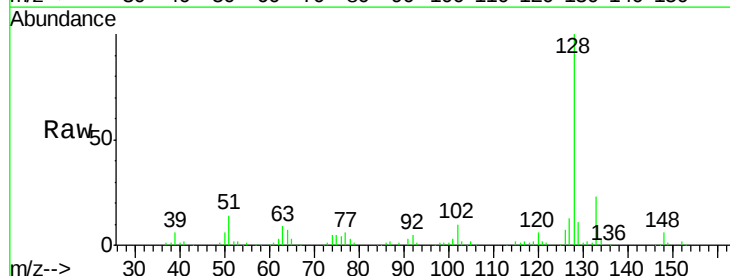
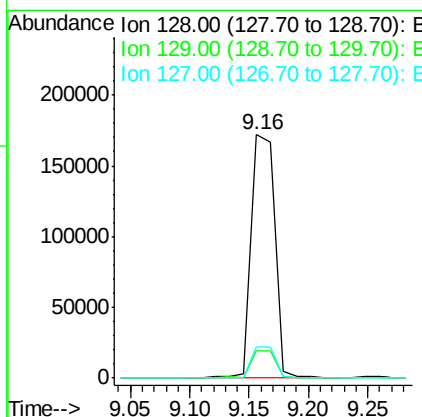
RT: 9.16 min Scan# 706

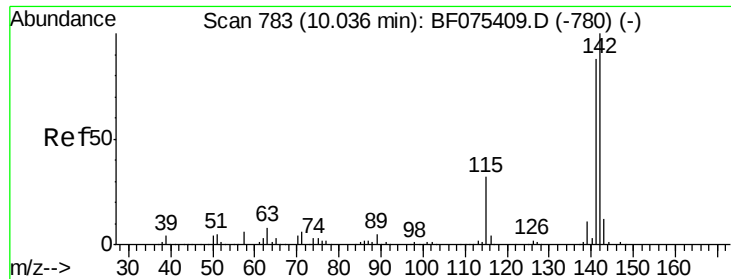
Delta R.T. -0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Tgt Ion:	128	Resp:	238482
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.4
127	12.7	10.2	15.4





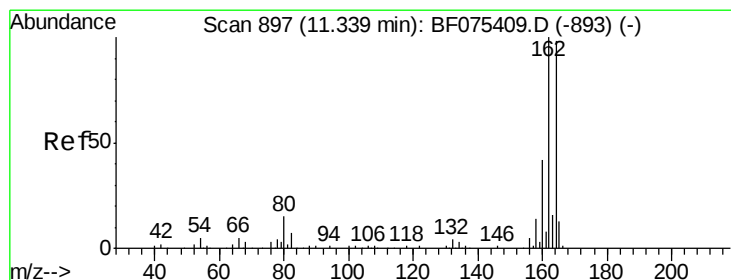
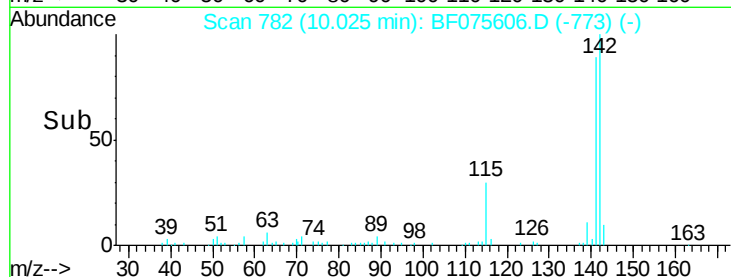
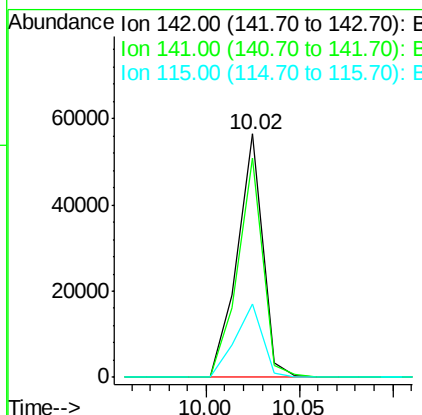
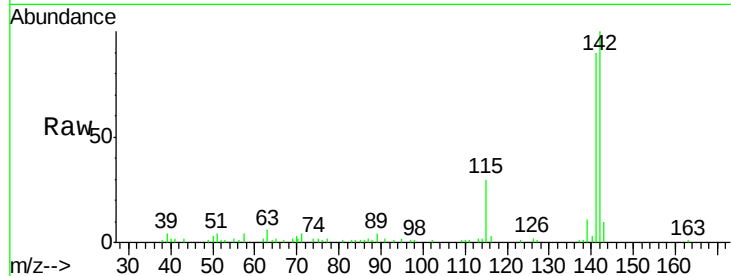
#37
2-Methylnaphthalene
Concen: 15.60 ng
RT: 10.02 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	69.9	104.9
115	30.1	27.6	41.4

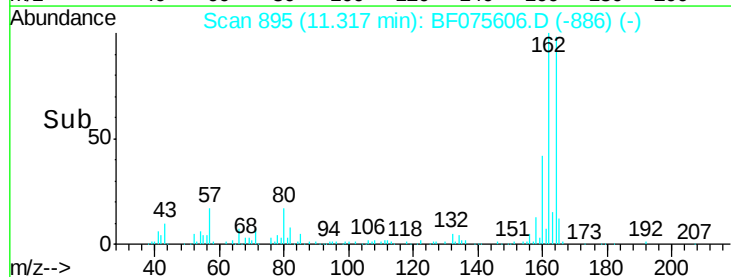
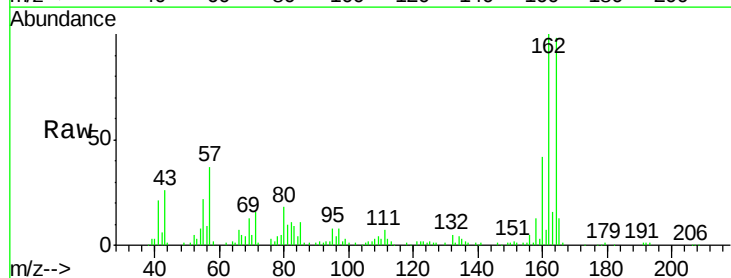
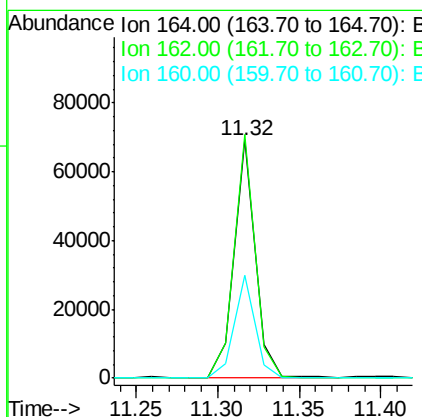
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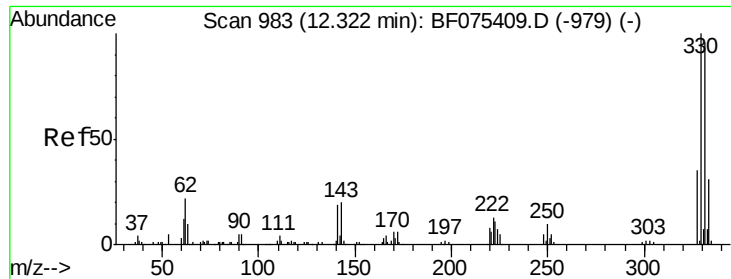
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	79.1	118.7
160	43.3	34.6	51.8





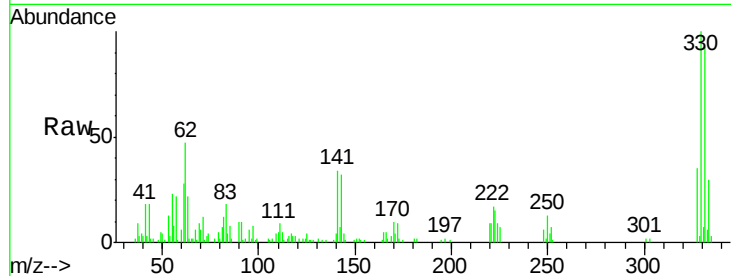
#41
 2,4,6-Tribromophenol
 Concen: 53.66 ng
 RT: 12.30 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

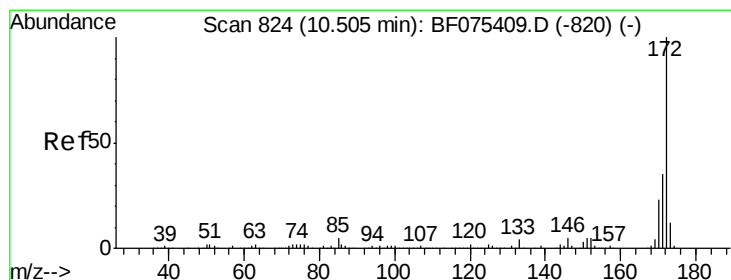
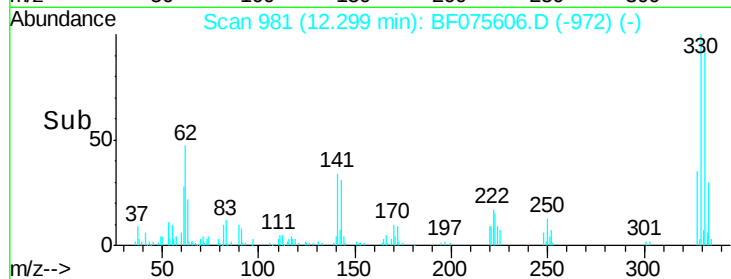
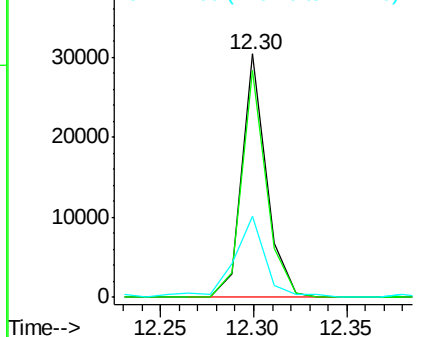
Tot Ion	Ratio	Resp	Lower	Upper
330	100	27940		
332	93.2	74.5	111.7	
141	44.6	30.7	46.1	

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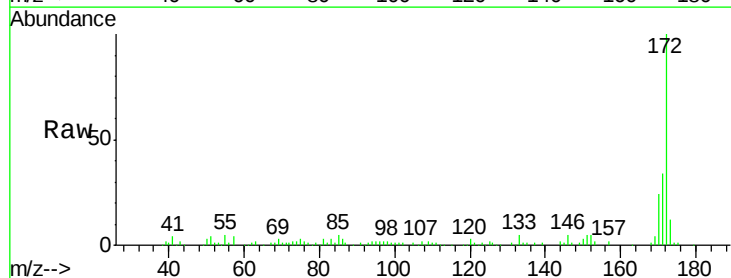


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

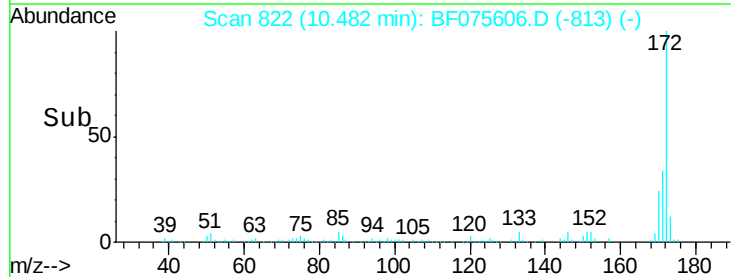
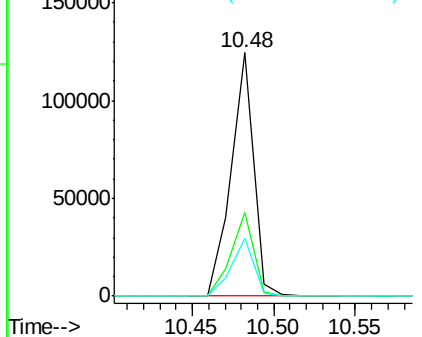


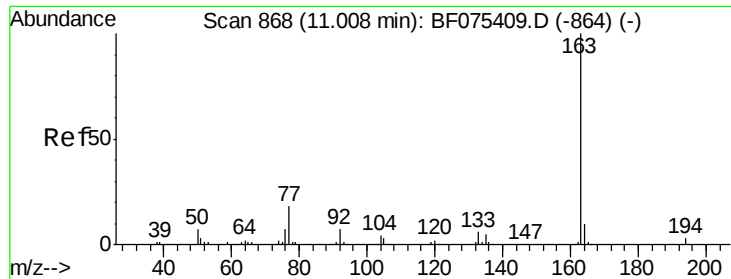
#44
 2-Fluorobiphenyl
 Concen: 34.46 ng
 RT: 10.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	118548		
171	34.5	27.3	40.9	
170	23.7	18.4	27.6	



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





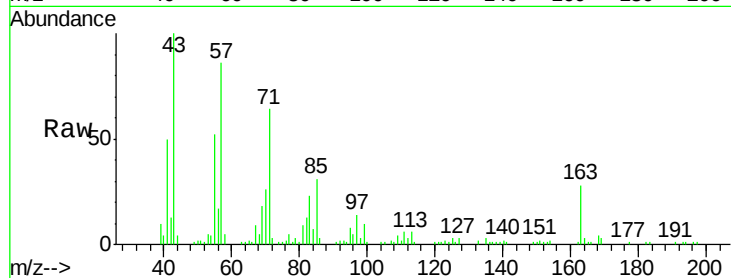
#49
Dimethylphthalate
Concen: 4.32 ng
RT: 10.99 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

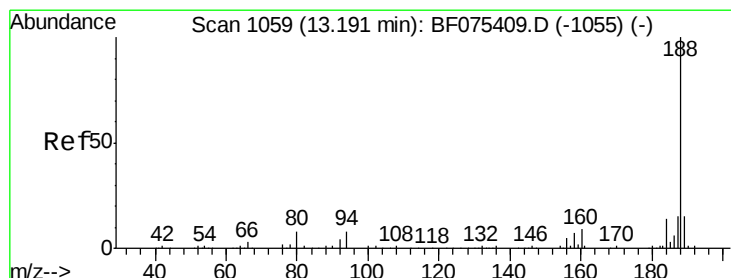
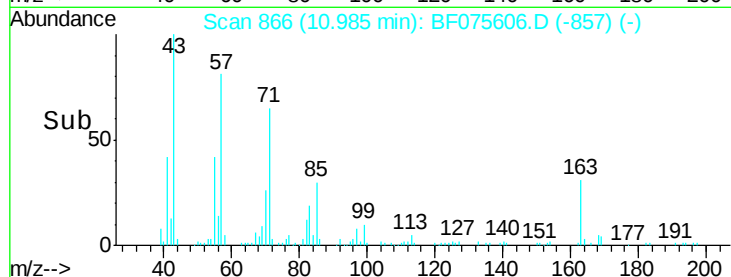
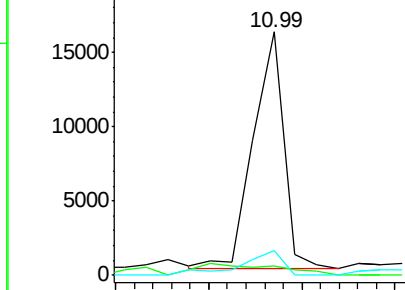
Tot Ion	Ratio	Resp	Lower	Upper
163	100	18374		
194	4.1	2.7	4.1	
164	9.9	8.0	12.0	

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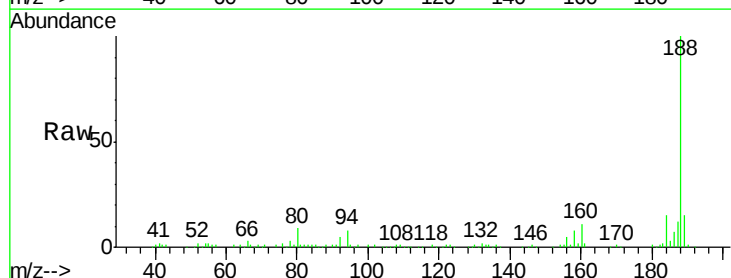


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

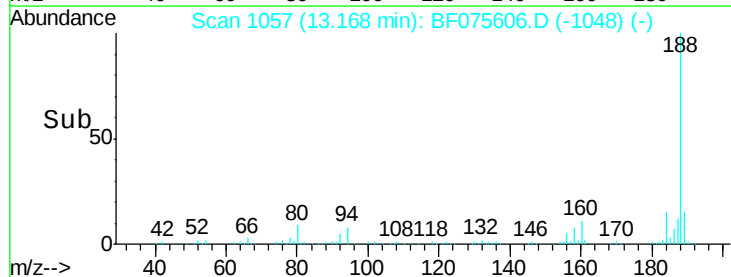
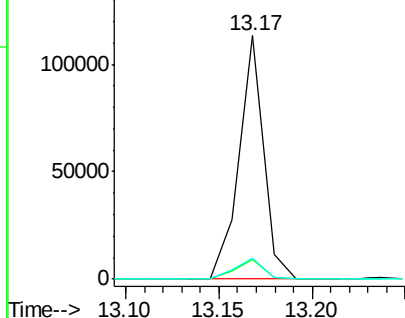


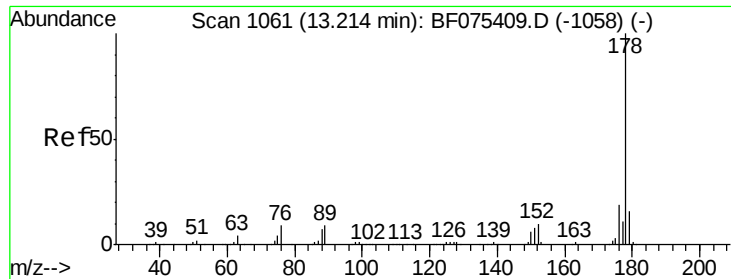
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.17 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	104700		
94	7.8	7.8	11.6	
80	8.8	8.0	12.0	



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: 6.45 ng

RT: 13.19 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

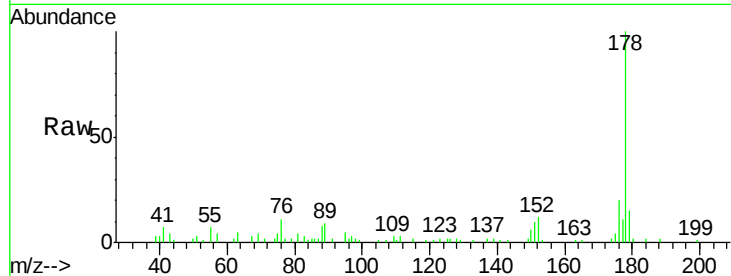
ClientSampleId :

SB-75(5-7)DL

Tot Ion:	178	Resp:	35565
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.3	22.9
179	14.9	12.2	18.4

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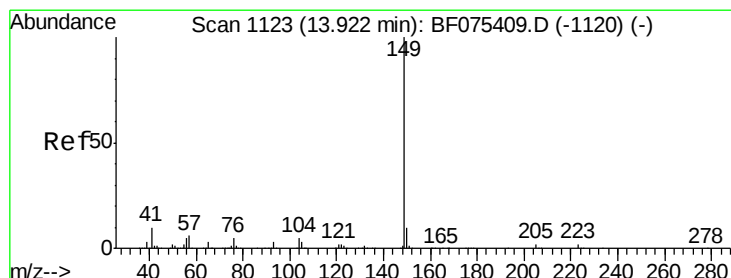
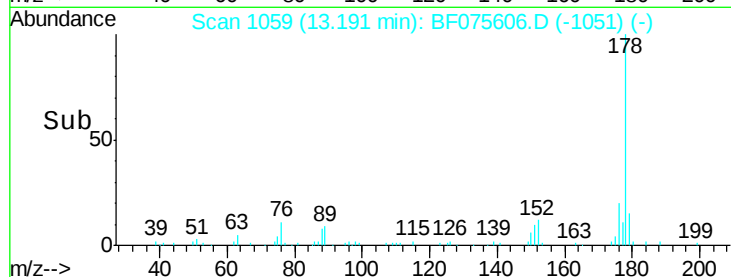
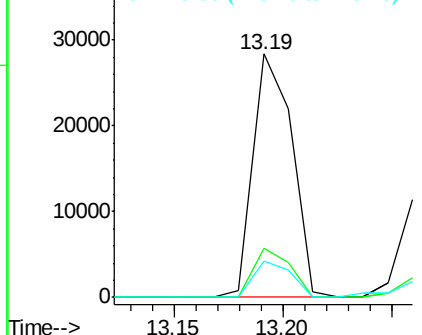
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 10.81 ng

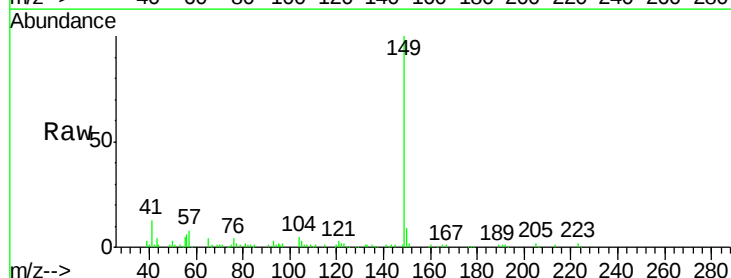
RT: 13.90 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

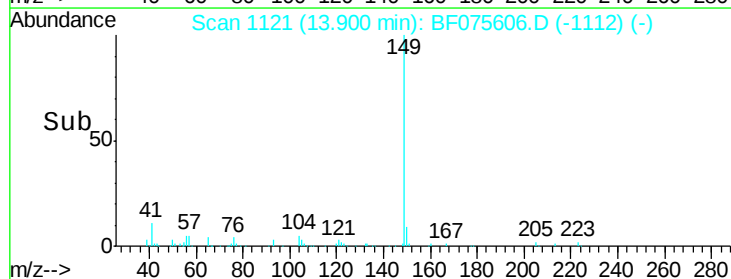
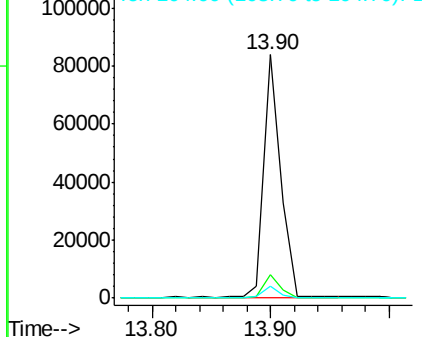
Tgt Ion:	149	Resp:	83236
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.3	10.9
104	4.7	3.1	4.7#

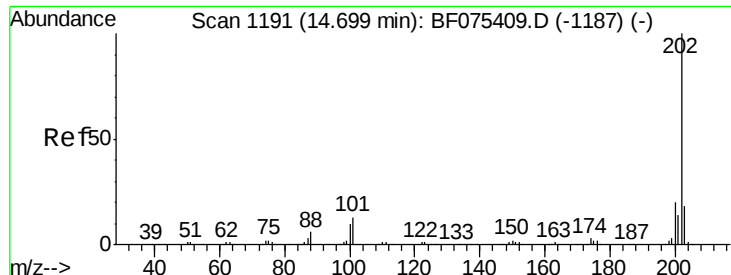


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





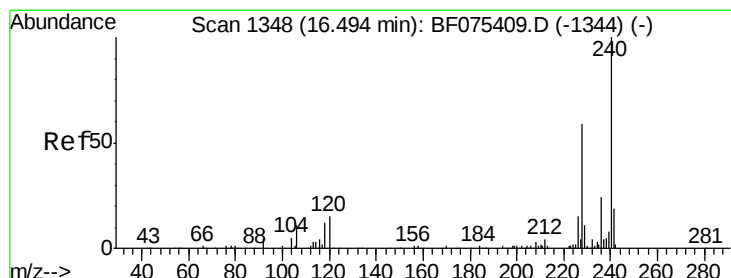
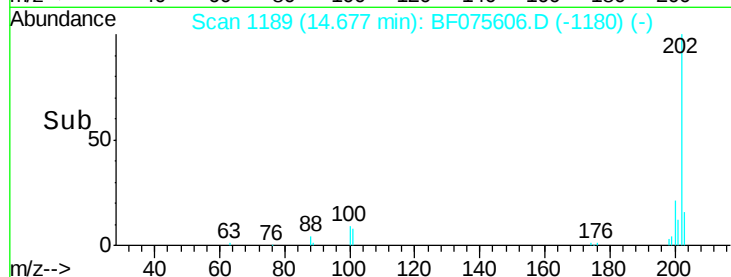
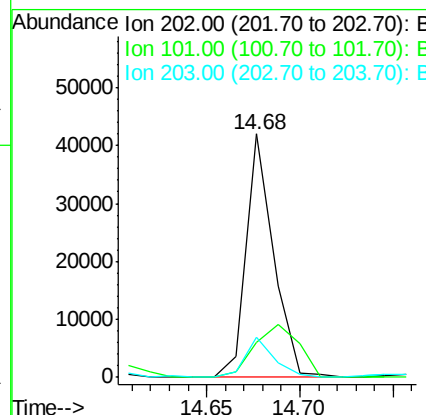
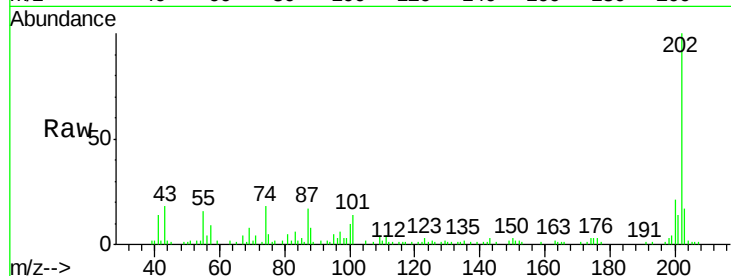
#74
 Fluoranthene
 Concen: 7.28 ng
 RT: 14.68 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

Tot Ion:	202	Resp:	42957
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	36.6
203	16.7	0.0	38.2

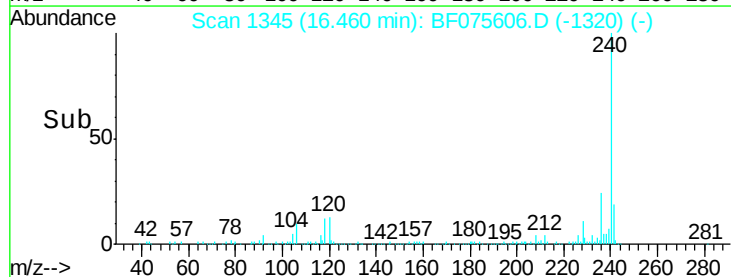
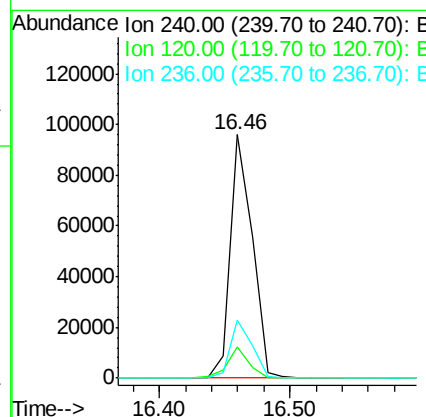
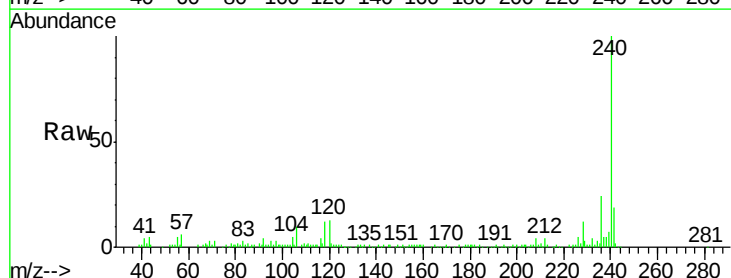
Manual Integrations
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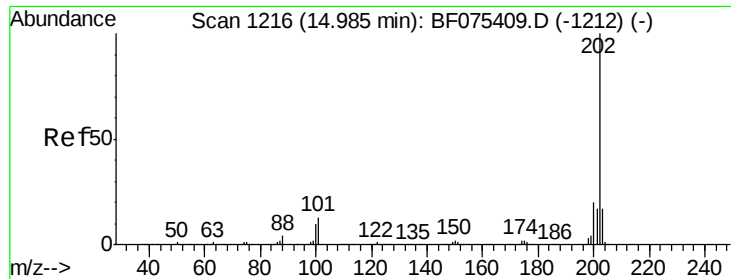
mohammad
 11/17/2014 7:40:56 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.46 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Tgt Ion:	240	Resp:	112425
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.6	14.4
236	23.7	18.9	28.3





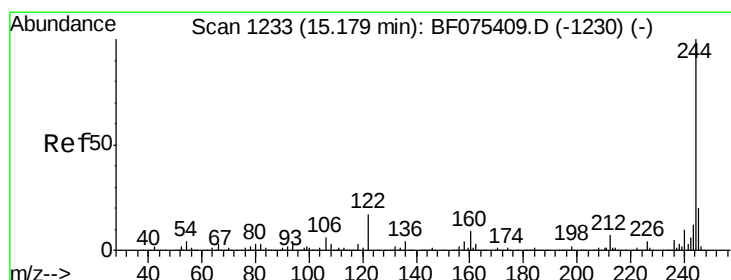
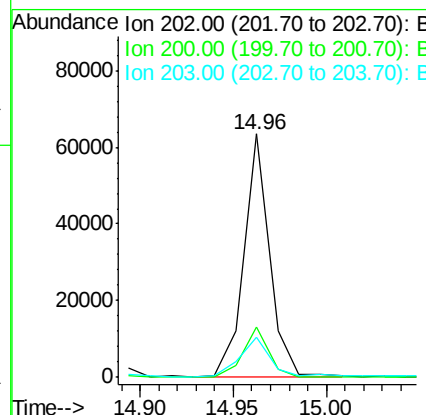
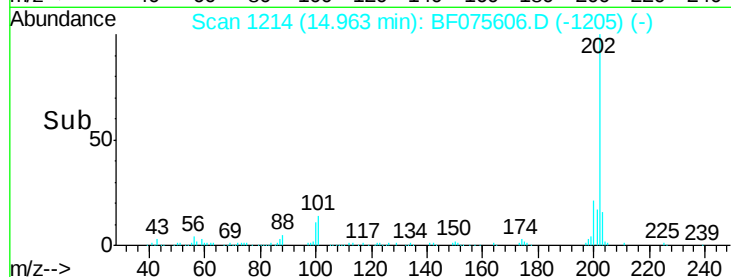
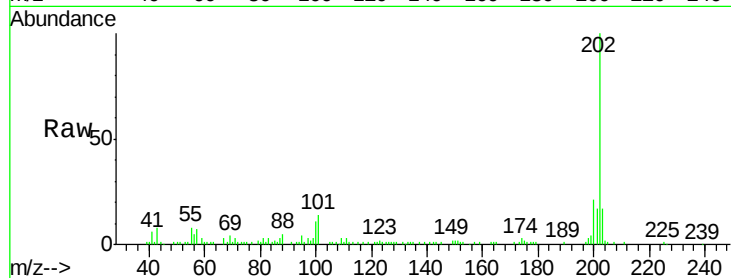
#77
Pvrene
Concen: 9.40 ng
RT: 14.96 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	16.6	14.3	21.5

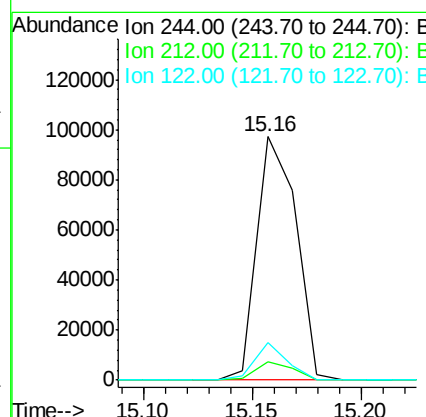
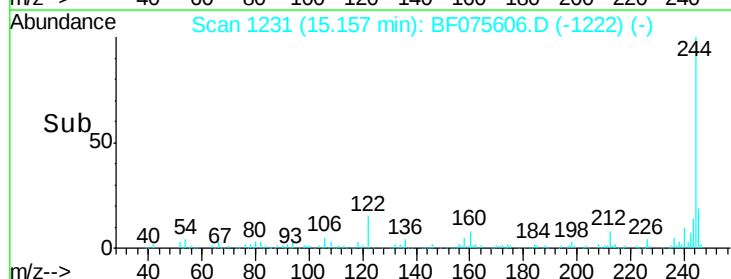
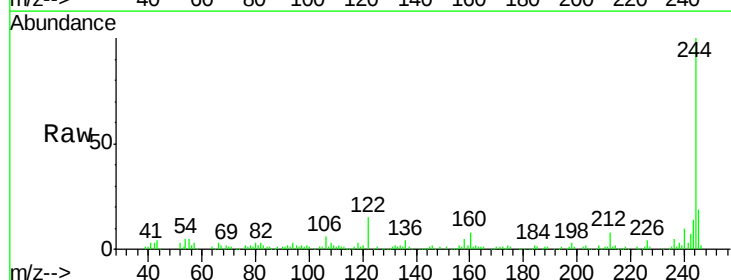
Manual Integrations
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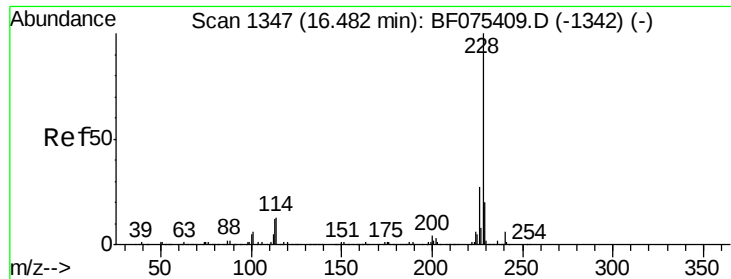
mohammad
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#78
Terphenyl-d14
Concen: 29.41 ng
RT: 15.16 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.5	8.3
122	15.2	9.7	14.5#





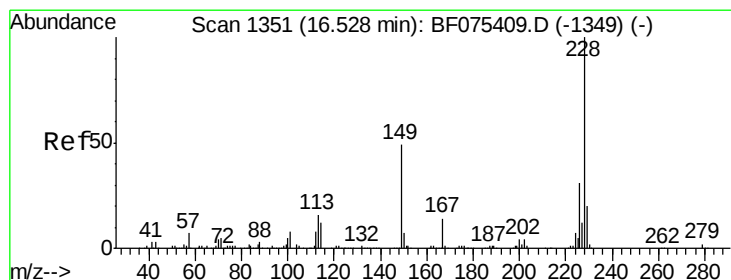
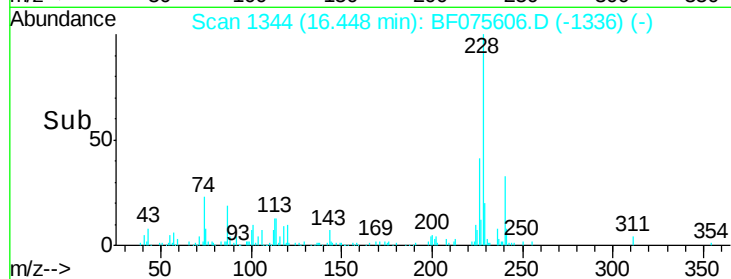
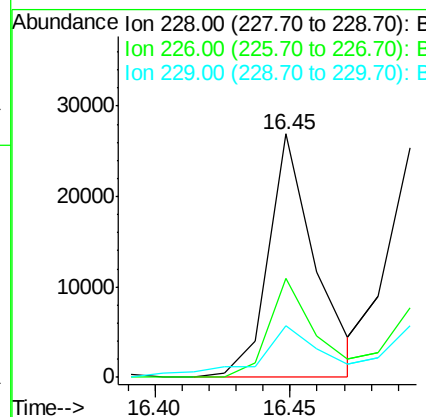
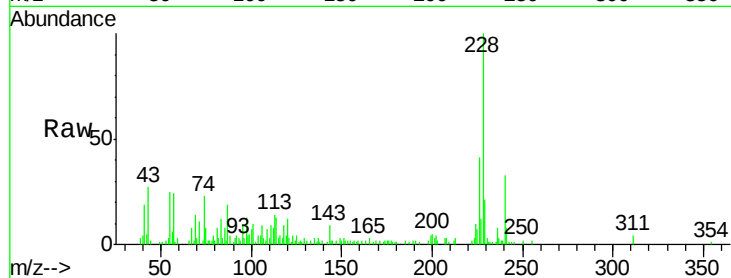
#80
Benzo(a)anthracene
Concen: 5.52 ng m
RT: 16.45 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.8	21.8	32.8#
229	21.1	15.3	22.9

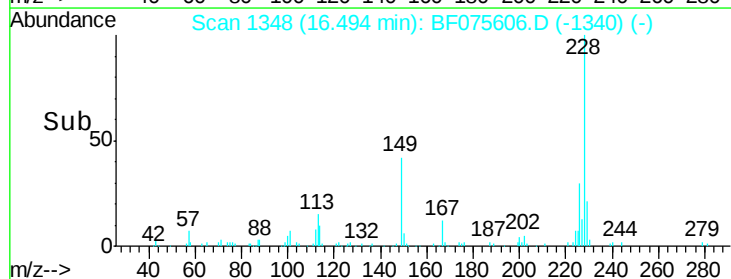
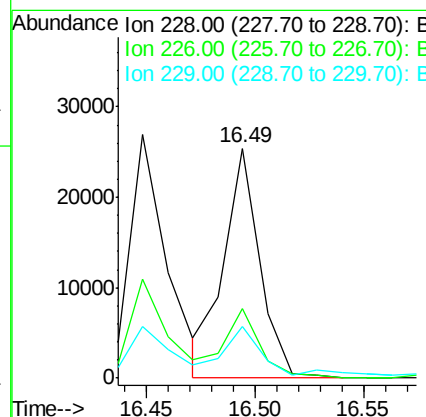
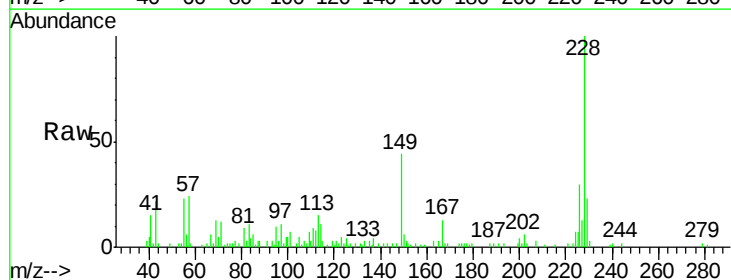
Manual Integrations
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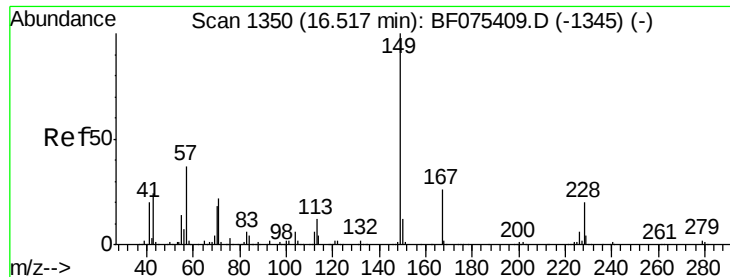
mohammad
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#82
Chrysene
Concen: 5.70 ng
RT: 16.49 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	22.6	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.06 ng

RT: 16.48 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

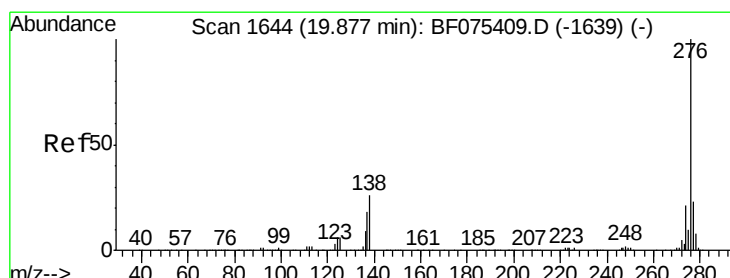
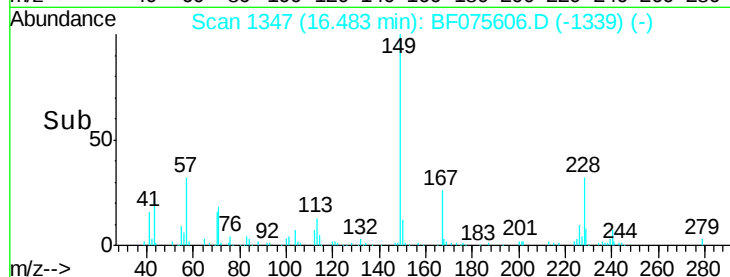
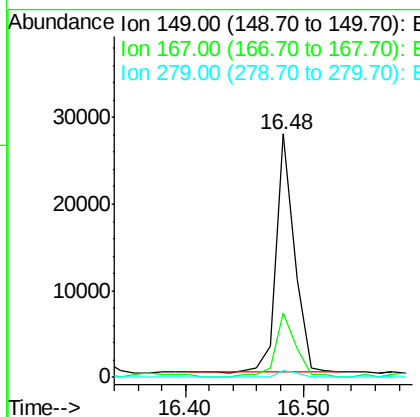
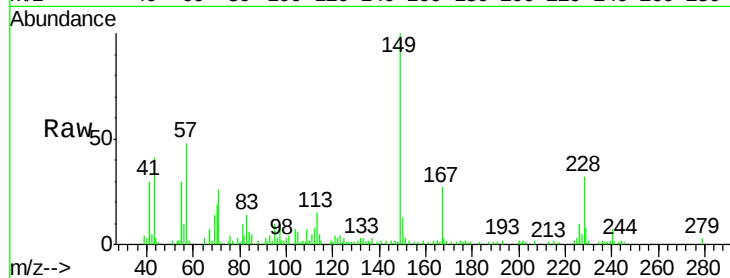
ClientSampleId :

SB-75(5-7)DL

Tot Ion:	149	Resp:	29262
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.4	32.2
279	2.6	2.8	4.2#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.65 ng

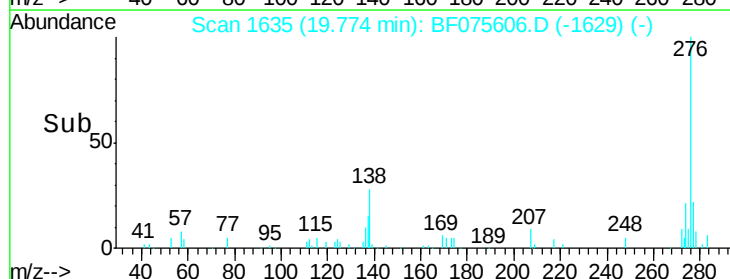
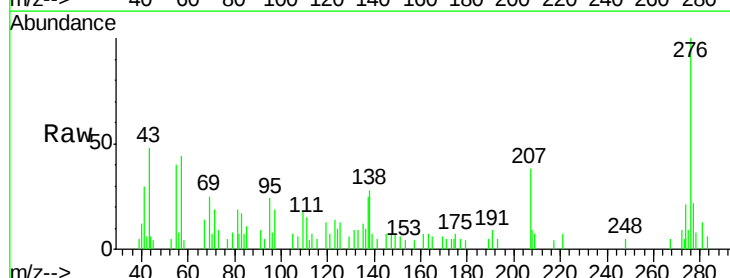
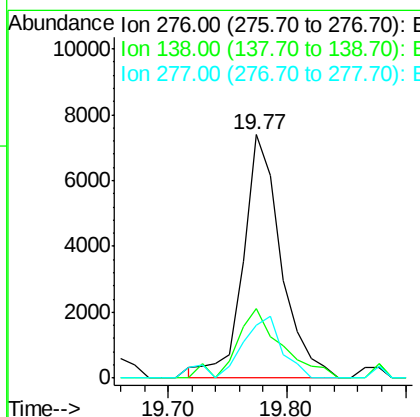
RT: 19.77 min Scan# 1635

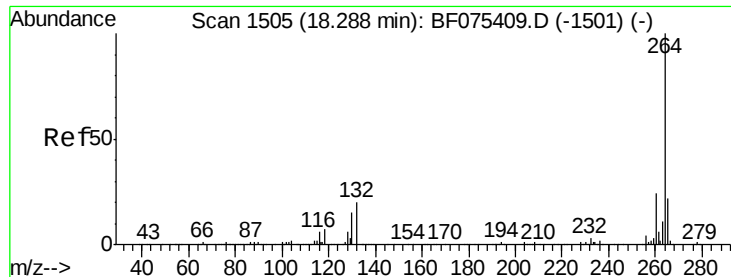
Delta R.T. -0.03 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Tgt Ion:	276	Resp:	16436
Ion Ratio	Lower	Upper	
276	100		
138	33.8	0.0	0.0#
277	25.3	0.0	0.0#





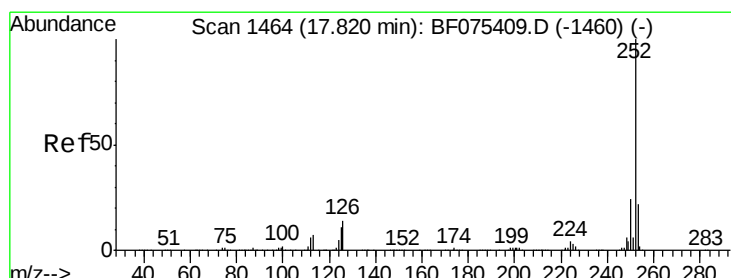
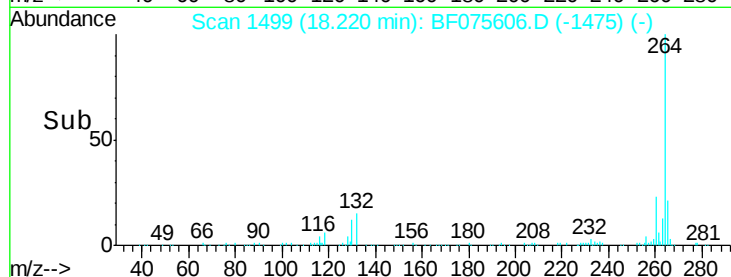
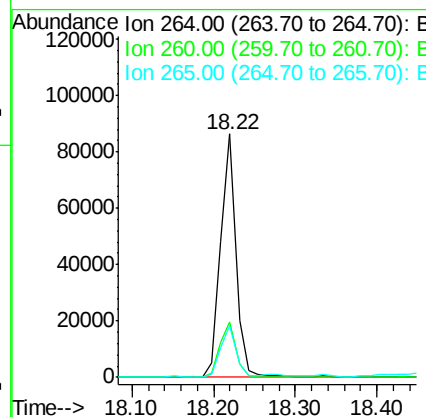
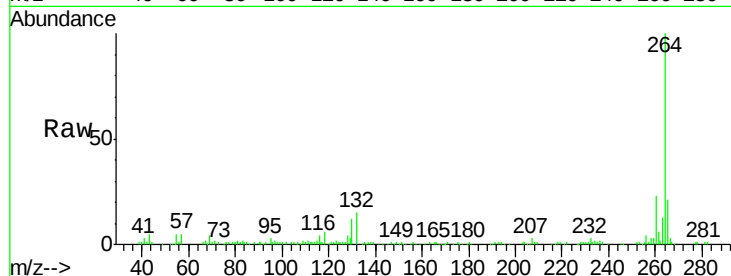
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.22 min Scan# 1499
Delta R.T. -0.02 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.9	26.9
265	21.2	16.3	24.5

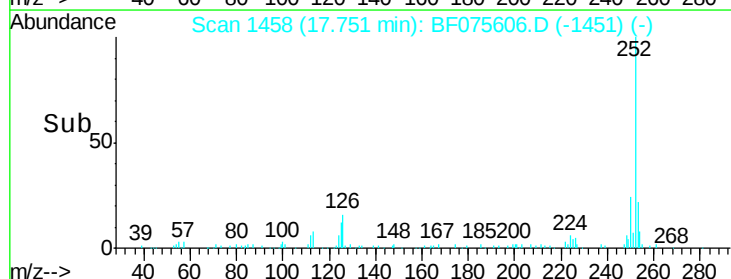
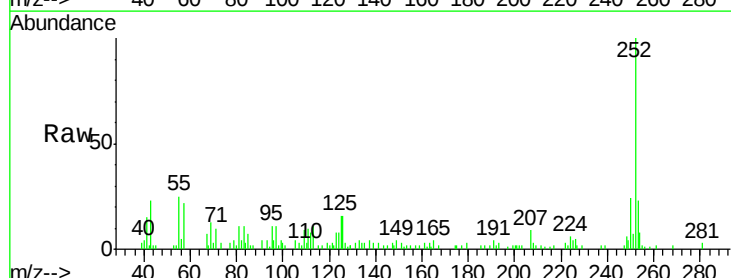
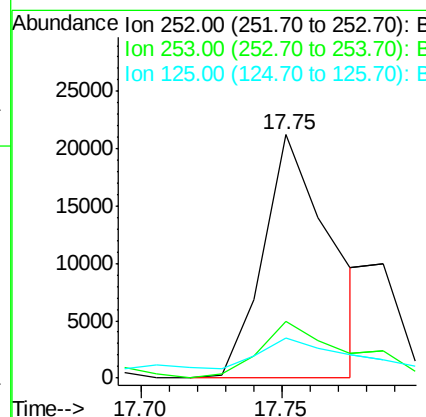
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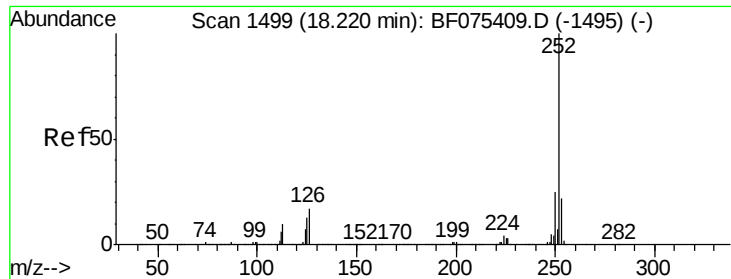
mohammad
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#87
Benzo(b)fluoranthene
Concen: 5.84 ng m
RT: 17.75 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	16.4	11.8	17.6





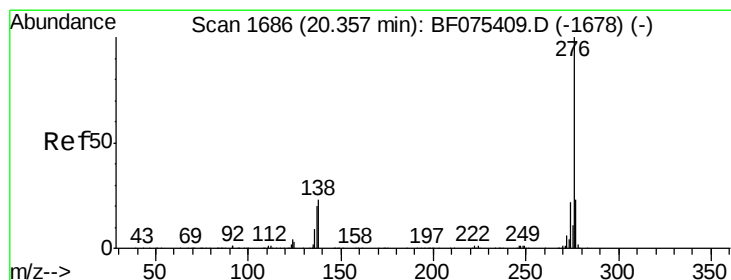
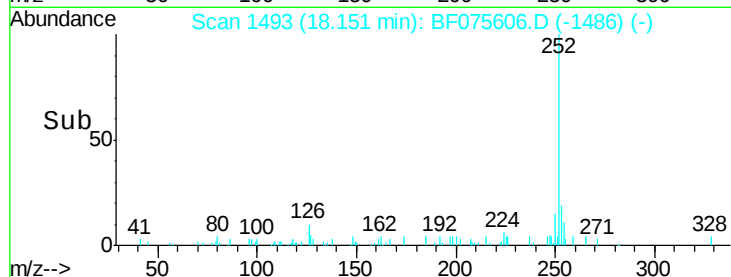
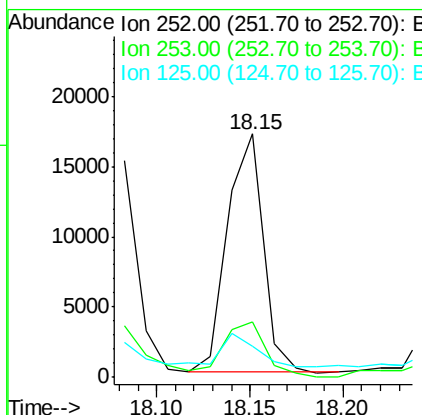
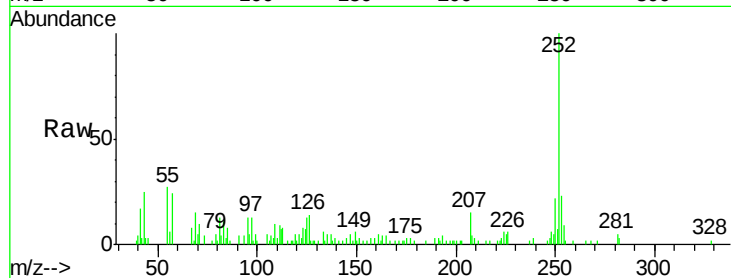
#89
Benzo(a)pyrene
Concen: 4.19 ng
RT: 18.15 min Scan# 1493
Delta R.T. -0.02 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tot Ion:	252	Resp:	22935
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	12.8	12.2	18.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.86 ng
RT: 20.24 min Scan# 1676
Delta R.T. -0.05 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion:	276	Resp:	15554
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.8	26.8
138	31.7	22.8	34.2

