

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084730.D
 Acq On : 2 Feb 2016 1:00
 Operator : SJ/IZ
 Sample : H1286-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B024(5-7)

Manual Integrations
 APPROVED

mohammad
 2/2/2016 4:18:34 PM

Quant Time: Feb 02 03:51:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	155432m	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	694327	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	308484	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	591252	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	469423	20.00	ng	-0.01
86) Perylene-d12	15.24	264	335107	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1044401	104.66	ng	0.00
7) Phenol-d6	6.36	99	1362832	110.16	ng	-0.01
23) Nitrobenzene-d5	7.28	82	737800	59.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	297665	92.51	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	1325719	67.63	ng	-0.01
78) Terphenyl-d14	12.82	244	1229826	59.37	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.47	163	224551	9.56	ng	Qvalue # 90
70) Phenanthrene	11.25	178	108281	3.30	ng	99
74) Fluoranthene	12.43	202	179722	5.41	ng	97
77) Pyrene	12.66	202	155970	4.34	ng	99
80) Benzo(a)anthracene	13.85	228	61534	2.11	ng	93
82) Chrysene	13.88	228	64151m	2.27	ng	
87) Benzo(b)fluoranthene	14.85	252	63229m	2.81	ng	
89) Benzo(a)pyrene	15.17	252	44727	2.33	ng	# 94

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

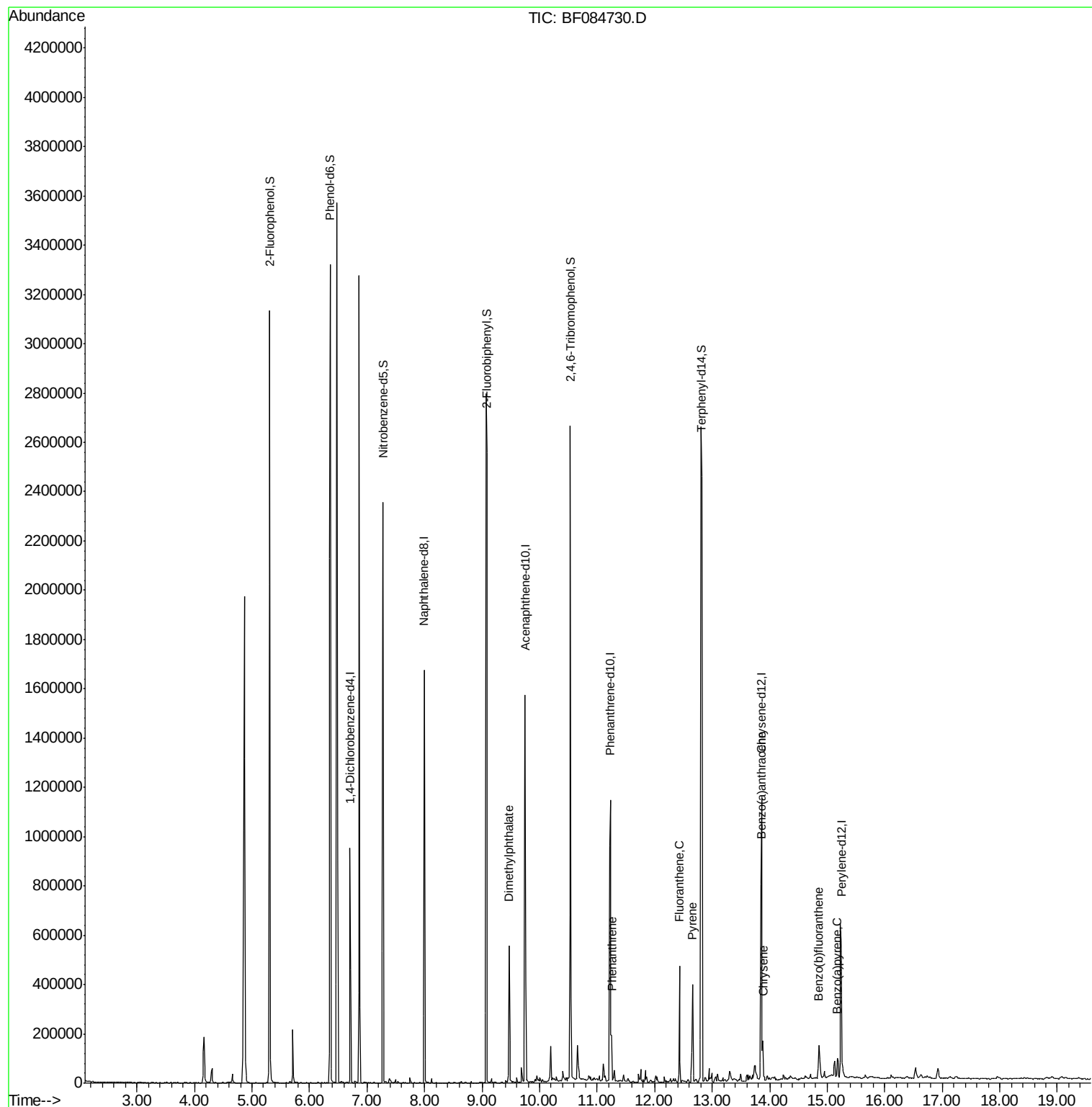
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084730.D
Acq On : 2 Feb 2016 1:00
Operator : SJ/IZ
Sample : H1286-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

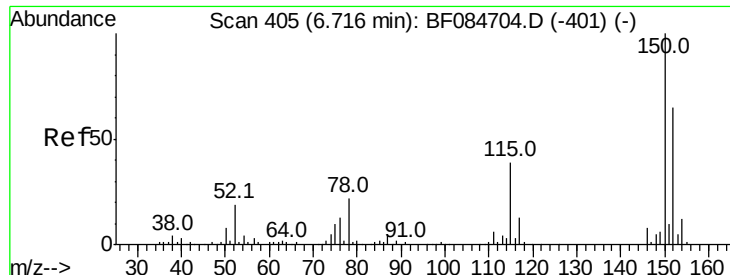
Instrument :
BNA_F
ClientSampleId :
SUP-B024(5-7)

Manual Integrations
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#1

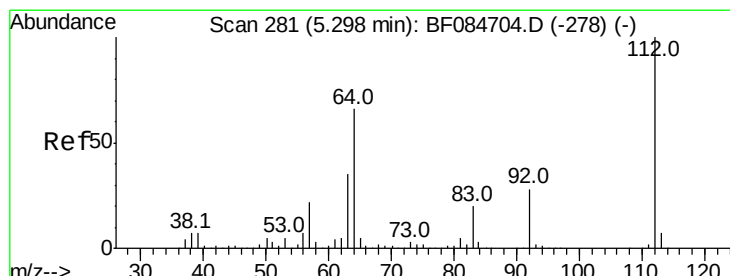
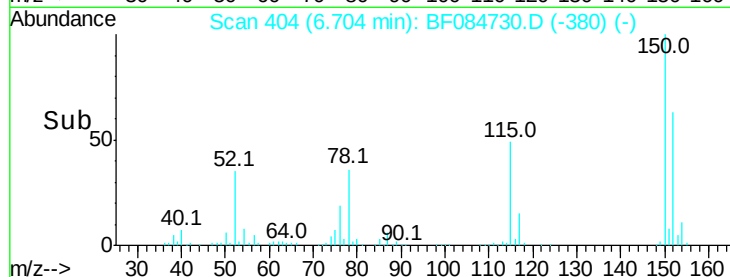
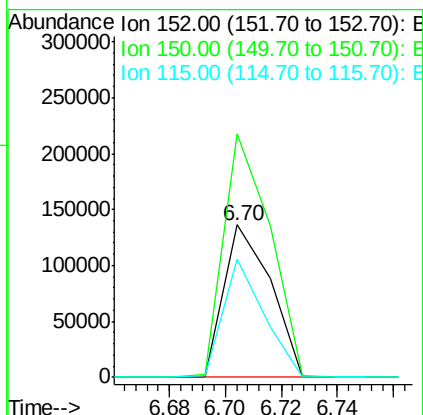
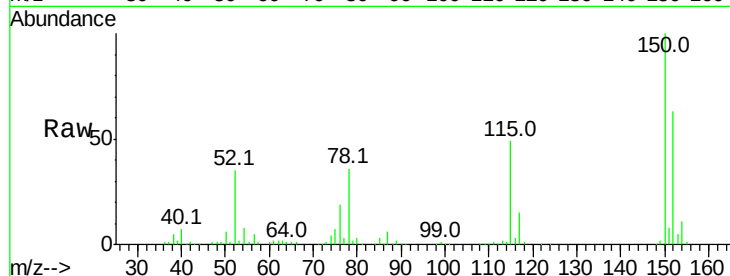
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Instrument :
BNA_F
ClientSampleId :
SUP-B024(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	123.0	184.4
115	77.8	51.4	77.2#

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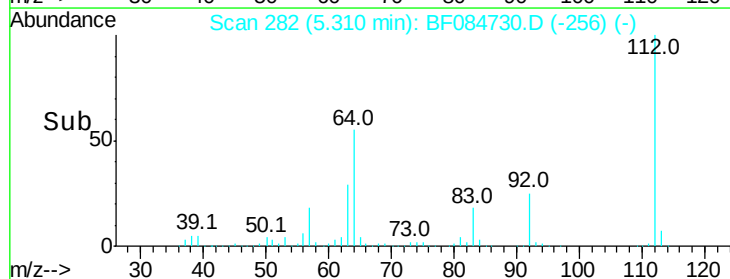
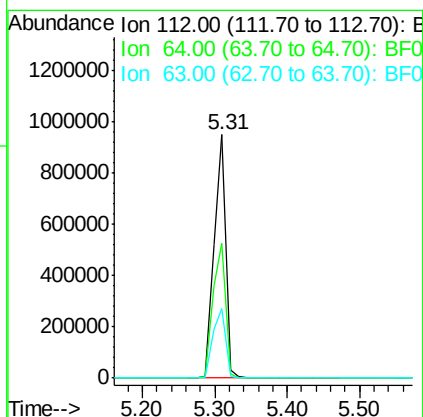
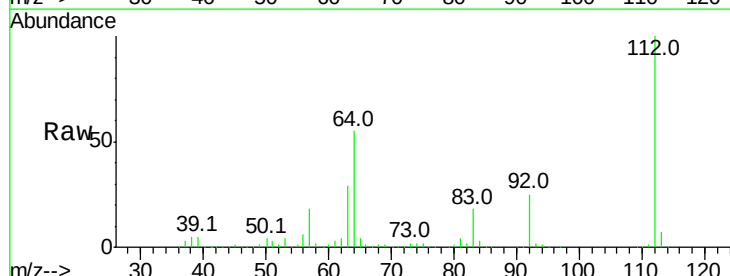
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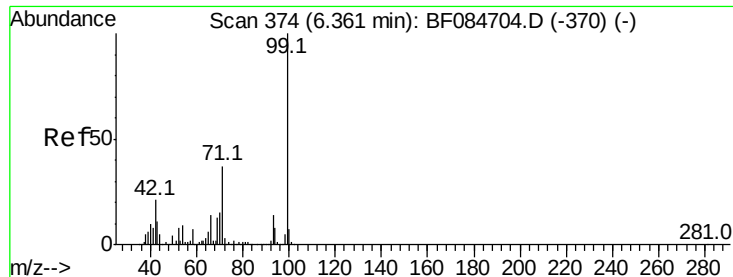


#5

2-Fluorophenol
Concen: 104.66 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.00 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	36.6	55.0#
63	28.5	19.4	29.0





#7

Phenol-d6

Concen: 110.16 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

Tot Ion: 99 Resp: 1362832

Ion Ratio Lower Upper

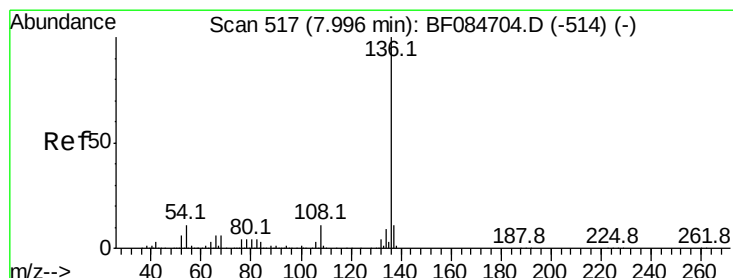
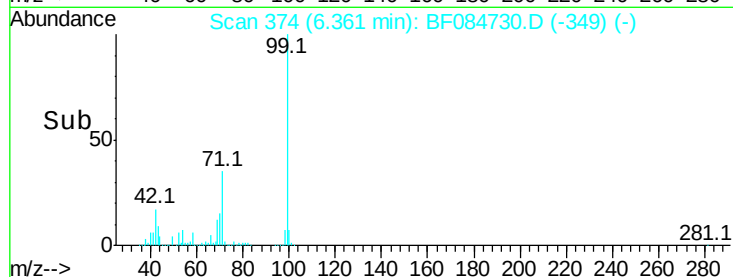
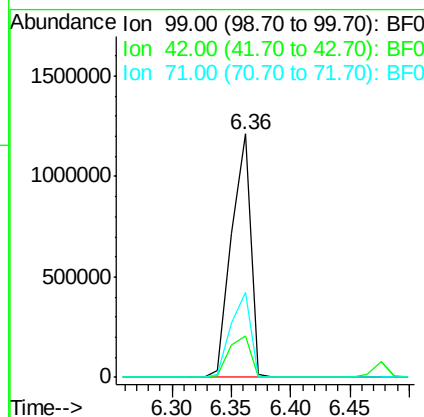
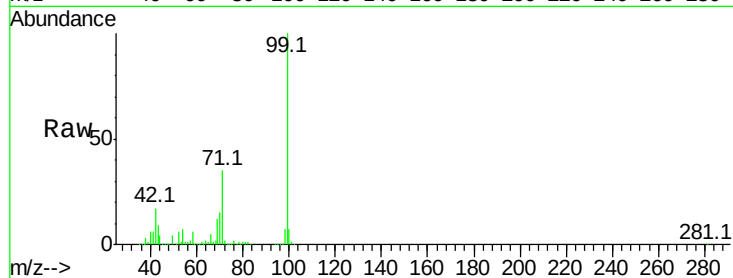
99 100

42 17.1 12.8 19.2

71 34.7 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion: 136 Resp: 694327

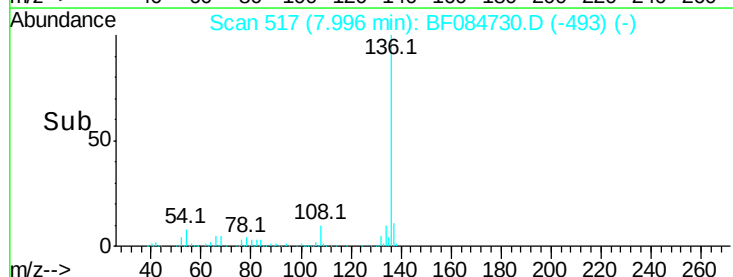
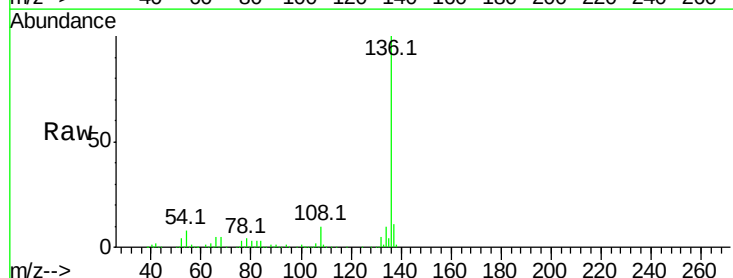
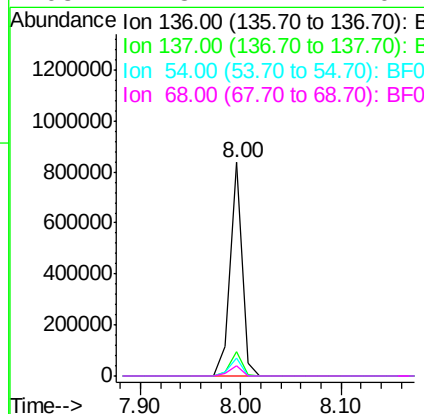
Ion Ratio Lower Upper

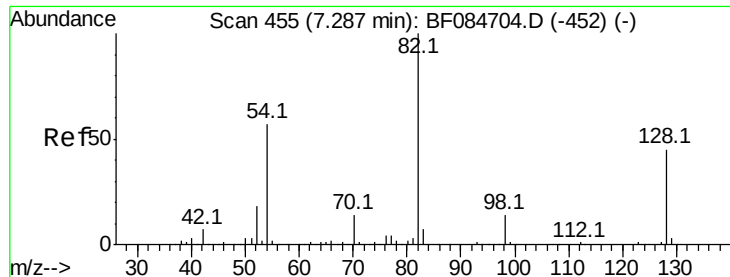
136 100

137 11.3 8.7 13.1

54 8.2 5.8 8.8

68 4.8 4.2 6.2





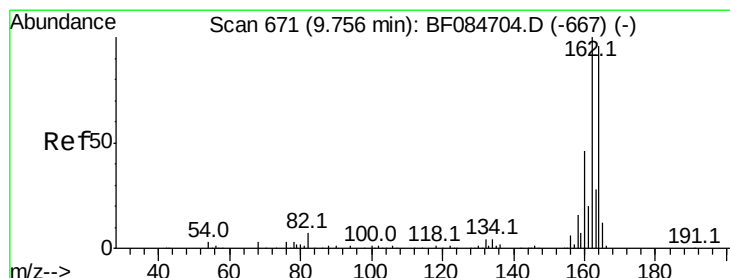
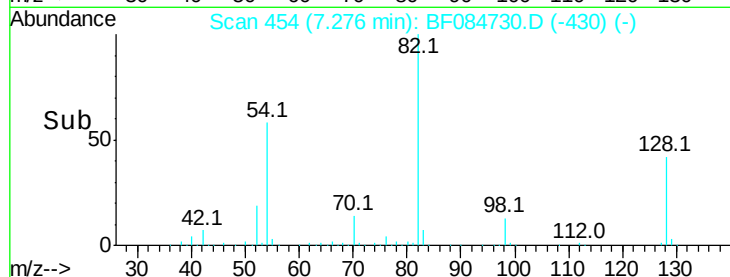
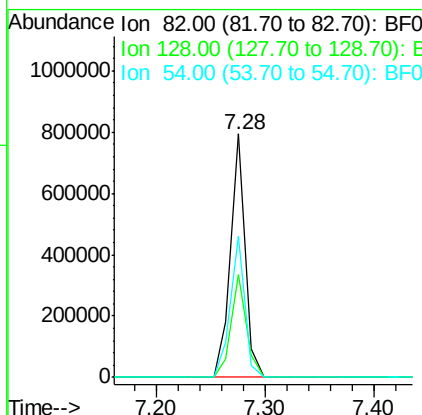
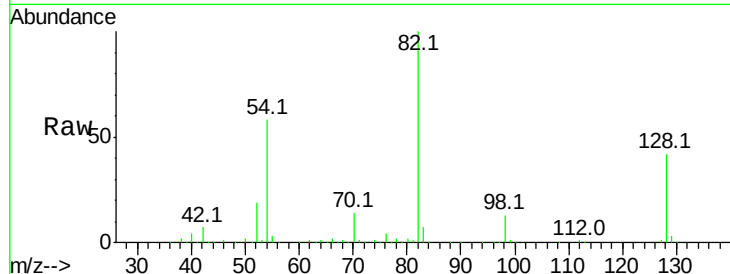
#23
 Nitrobenzene-d5
 Concen: 59.86 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B024(5-7)

Tot Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	42.1	34.6	51.8
54	57.9	38.4	57.6

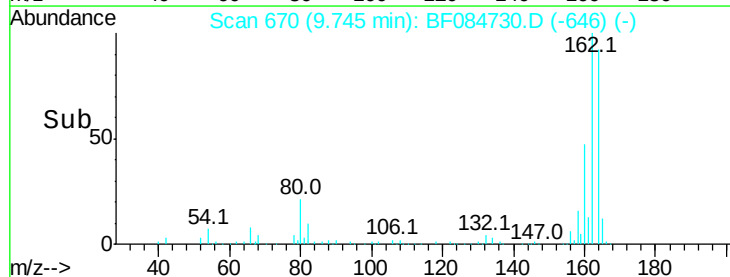
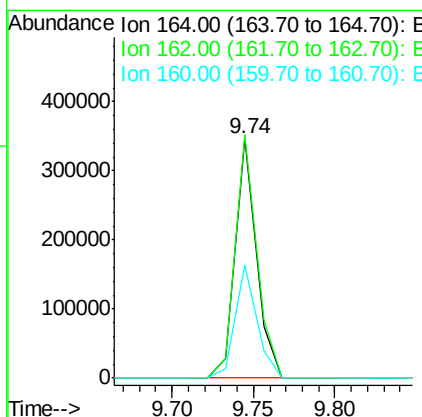
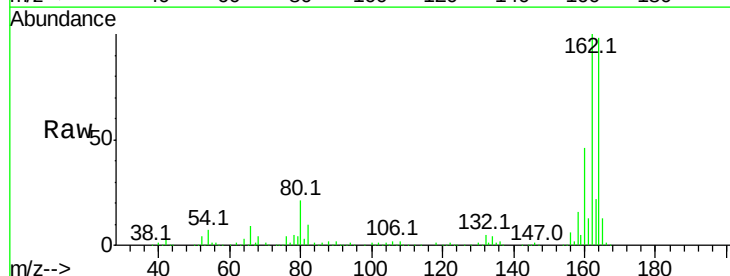
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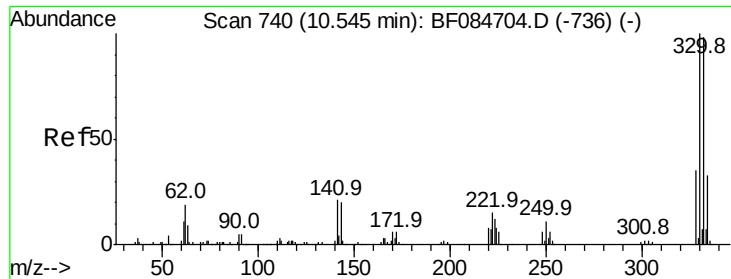
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.02 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	101.7	85.1	127.7
160	47.2	37.5	56.3





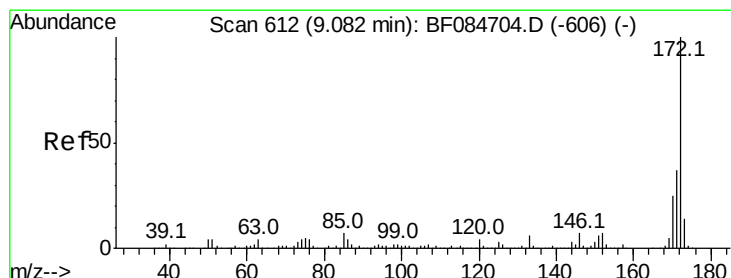
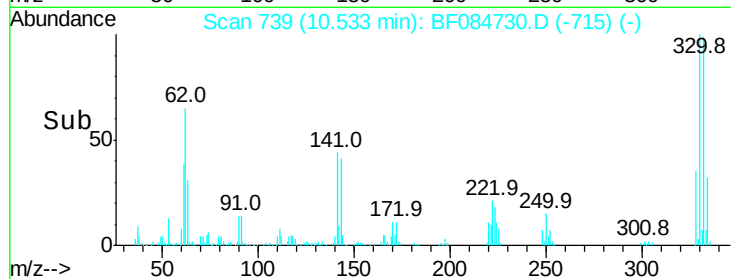
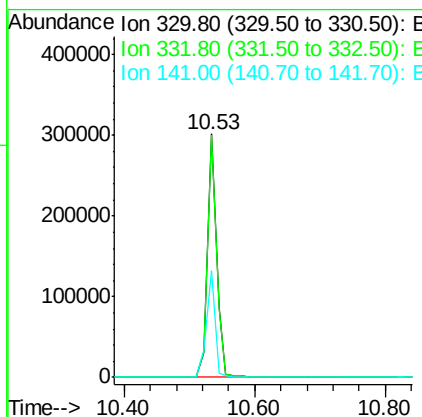
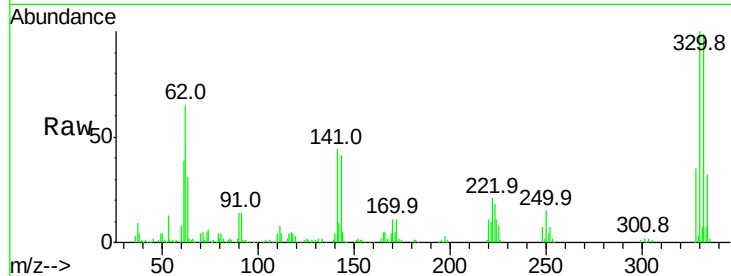
#41
 2,4,6-Tribromophenol
 Concen: 92.51 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B024(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	297665		
332	98.9	76.6	114.8	
141	40.8	27.8	41.6	

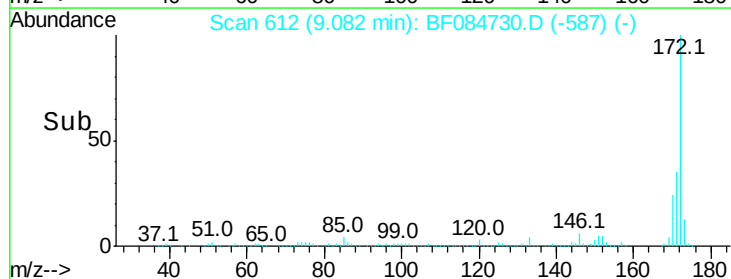
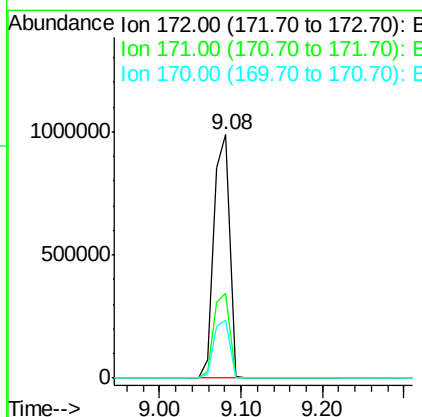
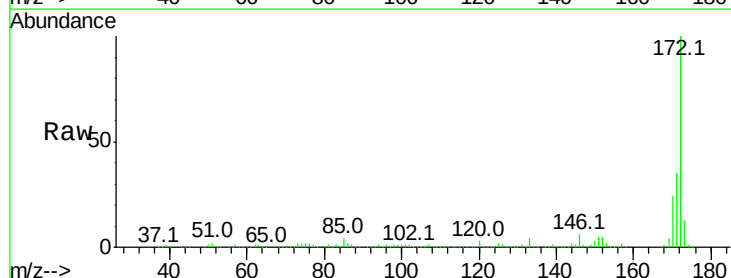
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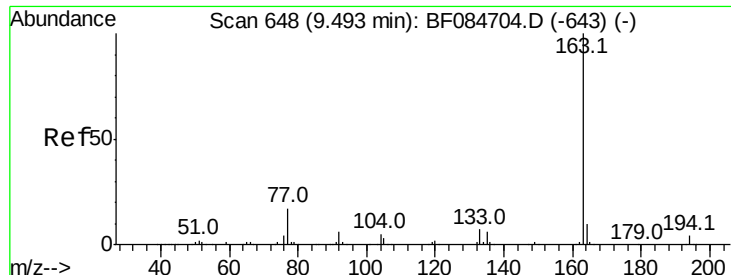
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#44
 2-Fluorobiphenyl
 Concen: 67.63 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084730.D
 Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1325719		
171	35.0	28.9	43.3	
170	23.9	18.6	27.8	





#49

Dimethylphthalate

Concen: 9.56 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

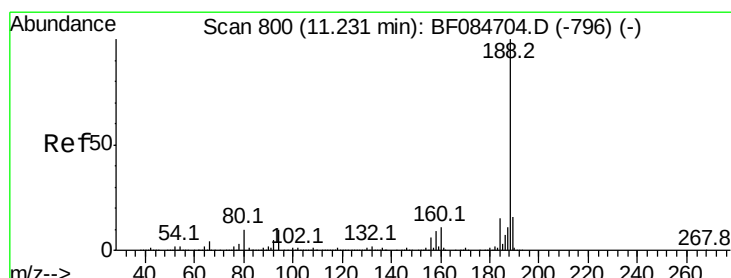
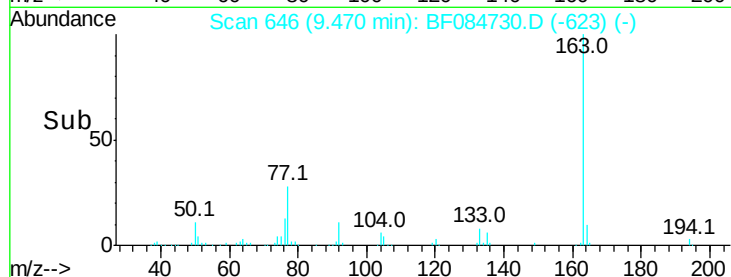
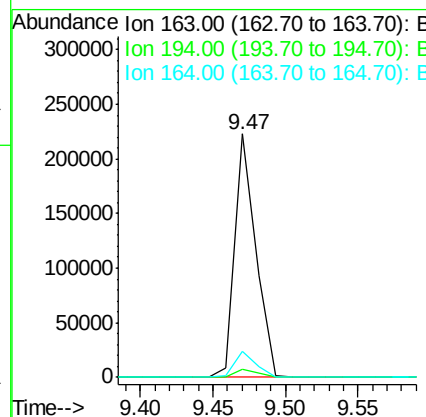
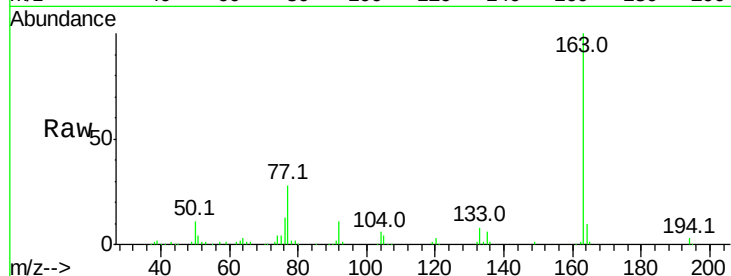
ClientSampleId :

SUP-B024(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	8.0	12.0#	
164	10.5	8.0	12.0	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

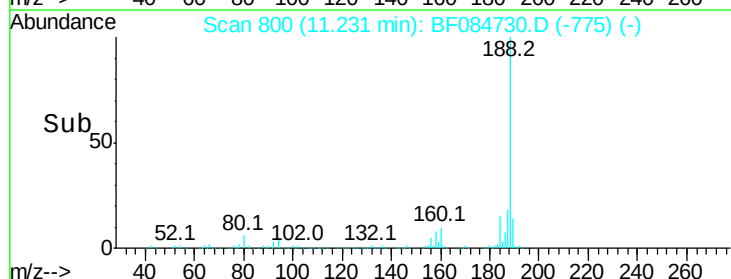
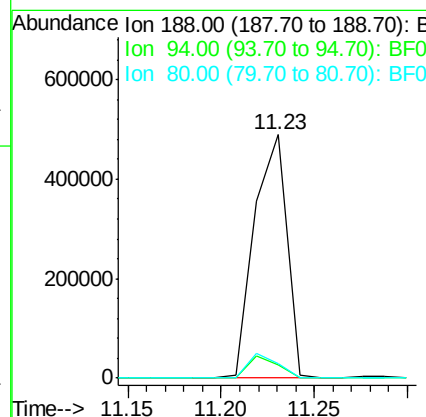
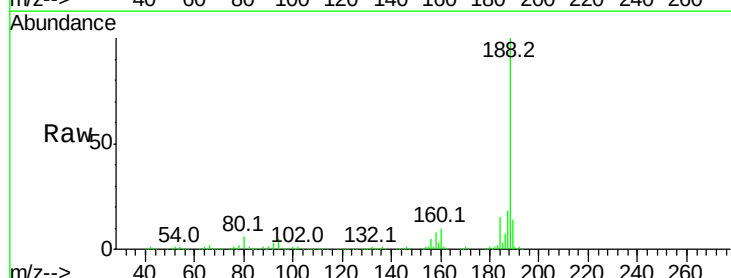
RT: 11.23 min Scan# 800

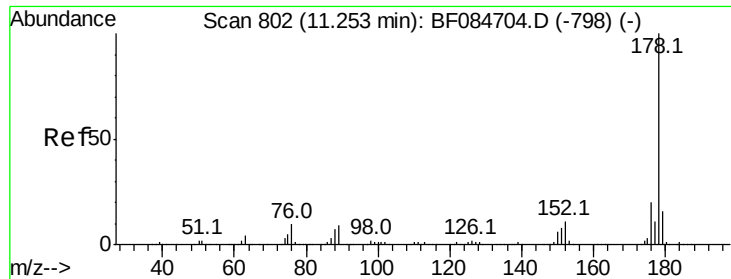
Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	5.4	9.0	13.4#	
80	5.7	9.6	14.4#	





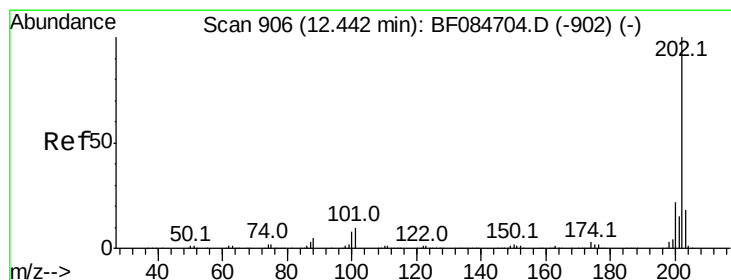
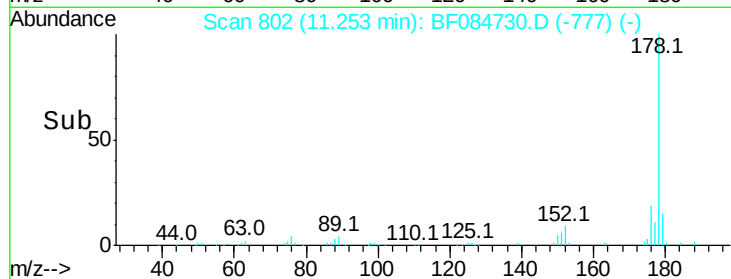
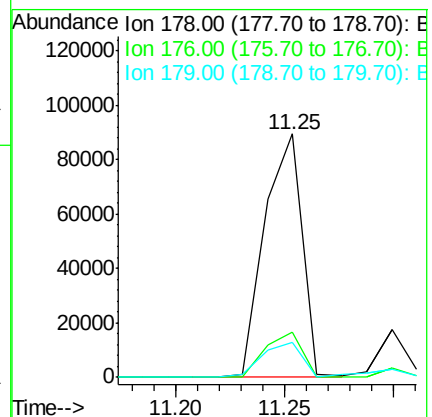
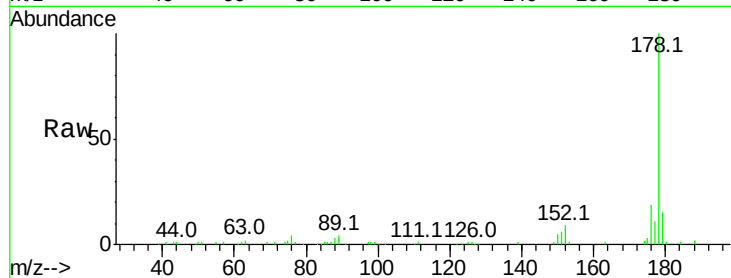
#70
Phenanthrene
Concen: 3.30 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Instrument :
BNA_F
ClientSampleId :
SUP-B024(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.6	12.0	18.0

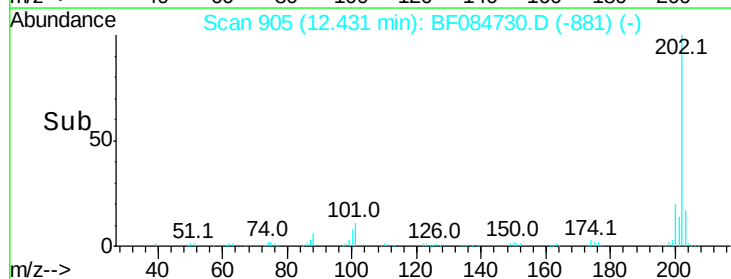
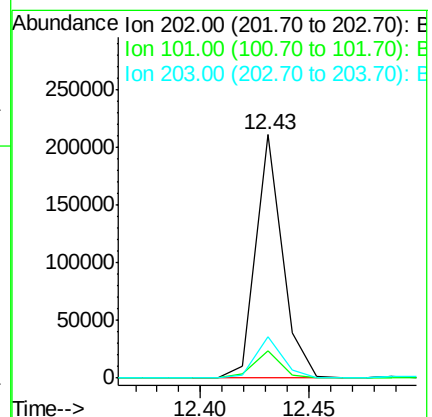
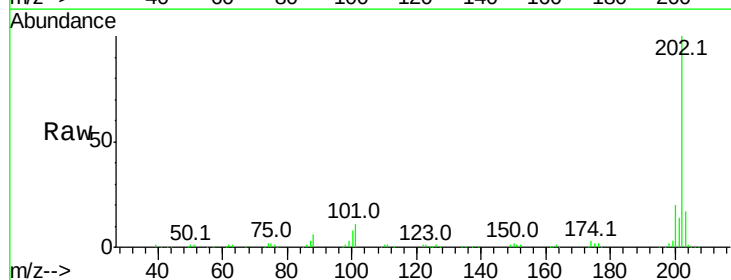
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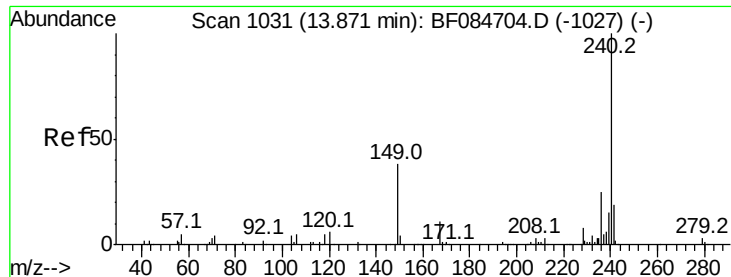
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#74
Fluoranthene
Concen: 5.41 ng
RT: 12.43 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF084730.D
Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.8
203	17.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

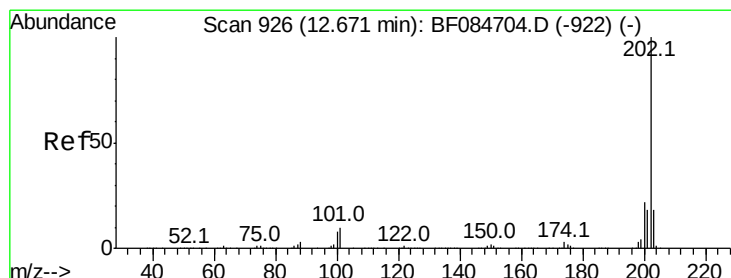
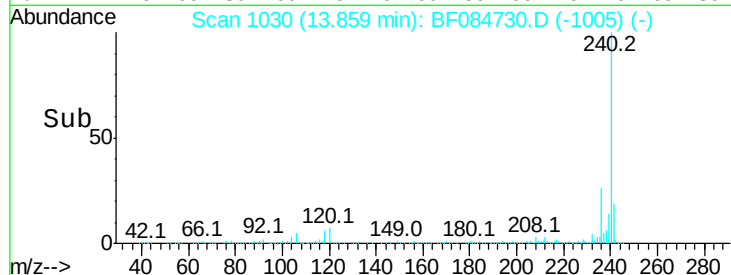
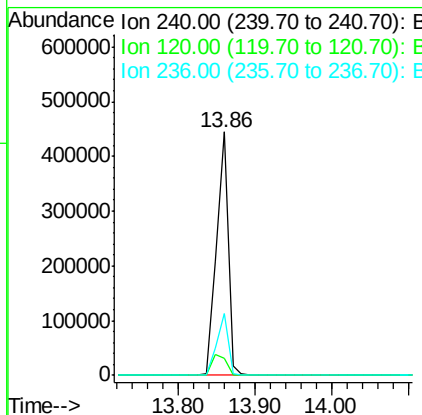
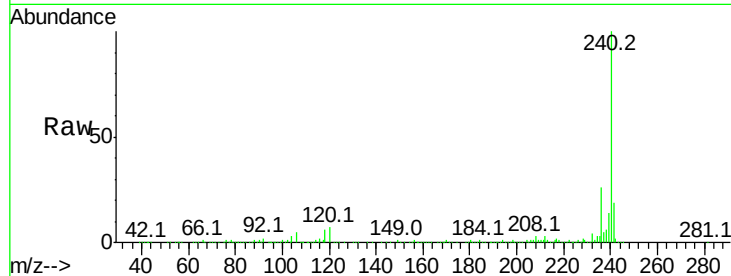
ClientSampleId :

SUP-B024(5-7)

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.2	9.5	14.3#
236	25.5	20.6	31.0

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#77

Pyrene

Concen: 4.34 ng

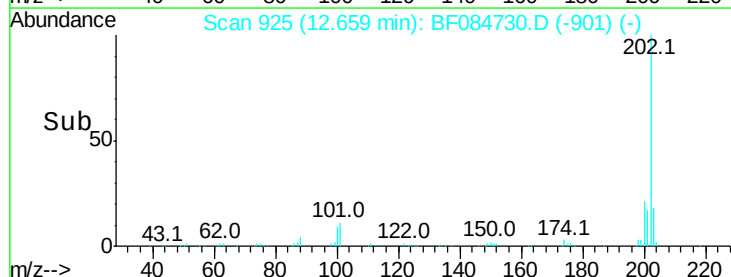
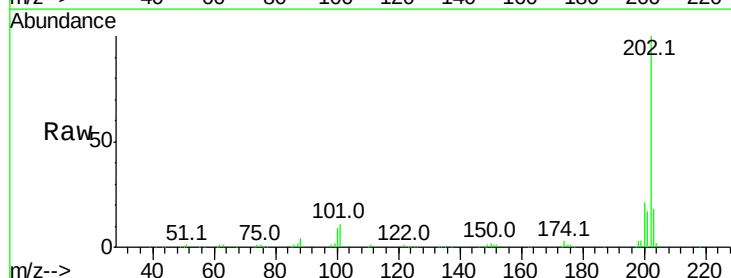
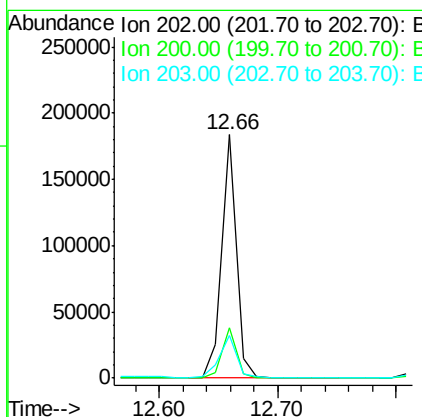
RT: 12.66 min Scan# 925

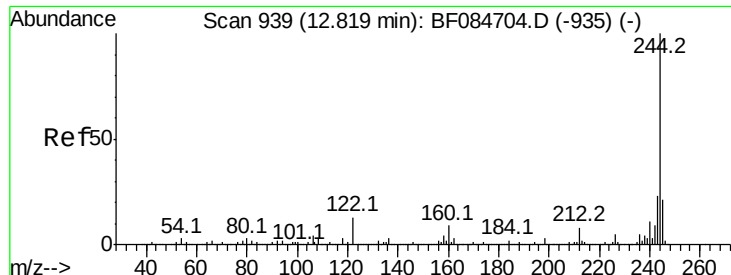
Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 59.37 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

ClientSampleId :

SUP-B024(5-7)

Tot Ion:244 Resp: 1229826

Ion Ratio Lower Upper

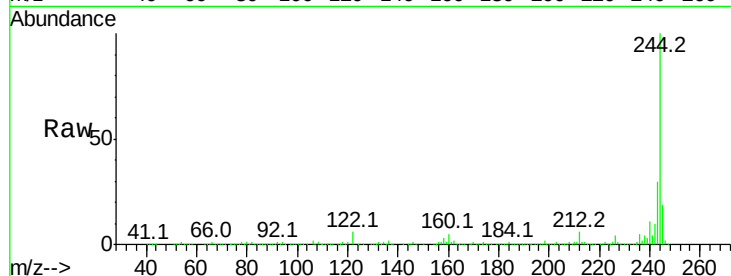
244 100

212 6.3 5.7 8.5

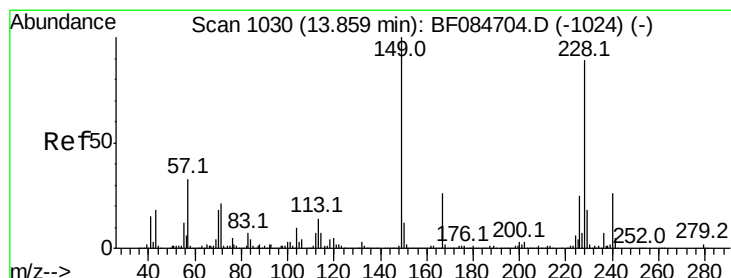
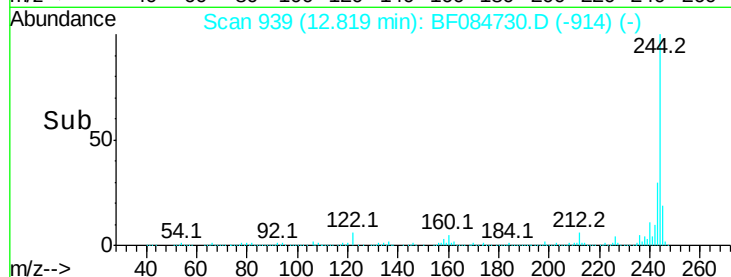
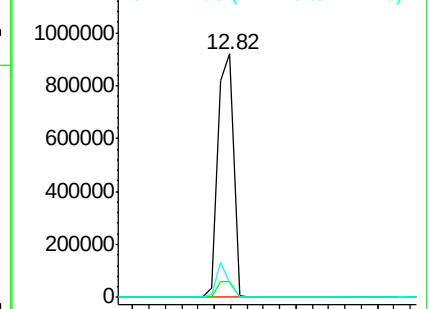
122 5.8 7.4 11.0#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.11 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

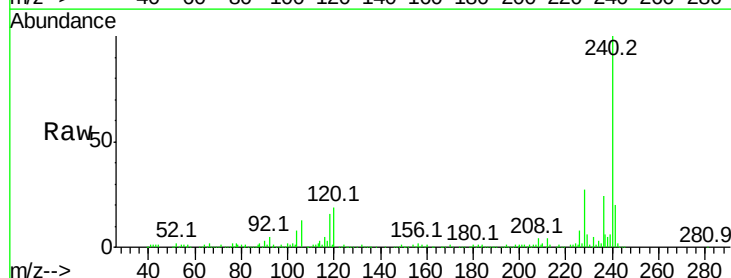
Tgt Ion:228 Resp: 61534

Ion Ratio Lower Upper

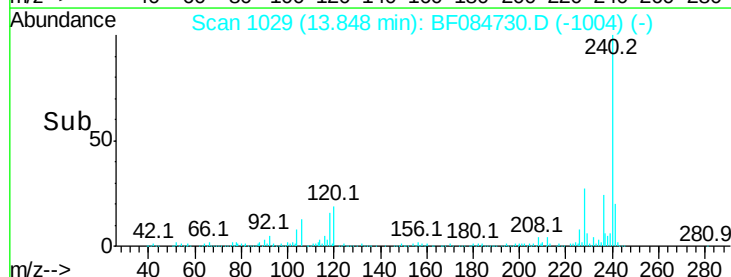
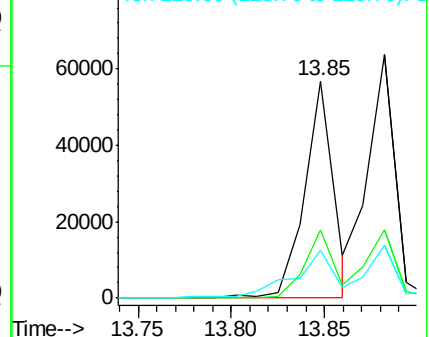
228 100

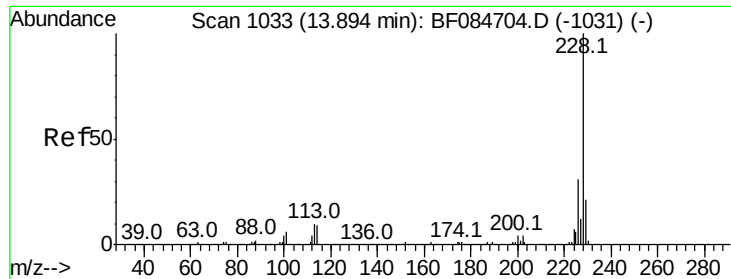
226 31.2 21.8 32.6

229 22.0 15.8 23.8



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





#82

Chrysene

Concen: 2.27 ng/mL

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

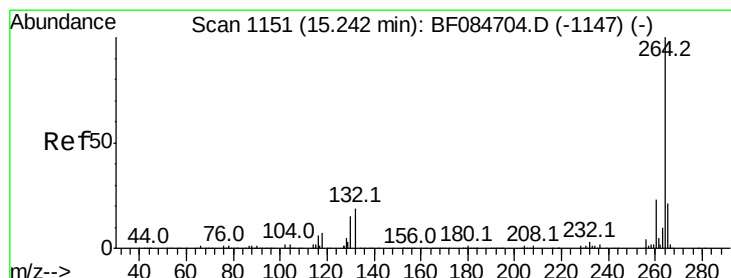
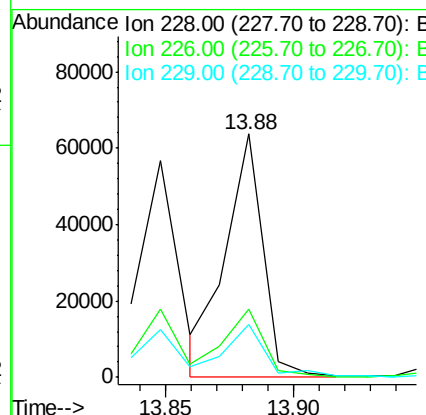
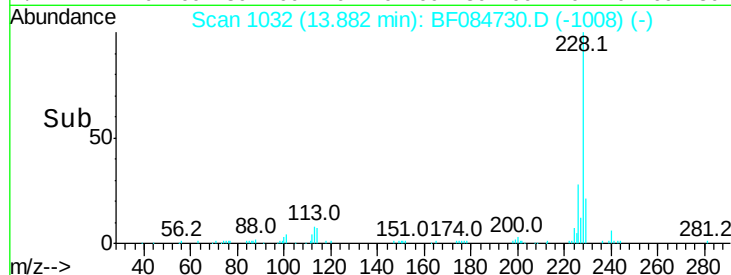
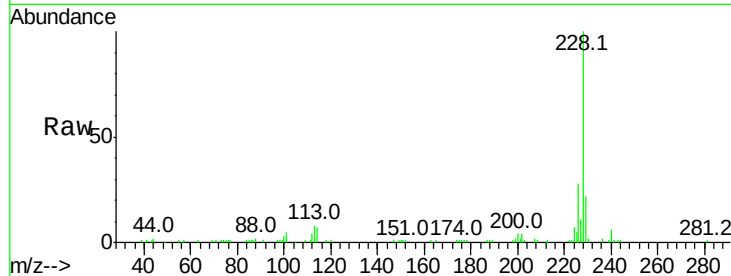
ClientSampleId :

SUP-B024(5-7)

Tot Ion:	228	Resp:	64151
Ion Ratio	Lower	Upper	
228	100		
226	28.3	24.3	36.5
229	21.6	16.1	24.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng/mL

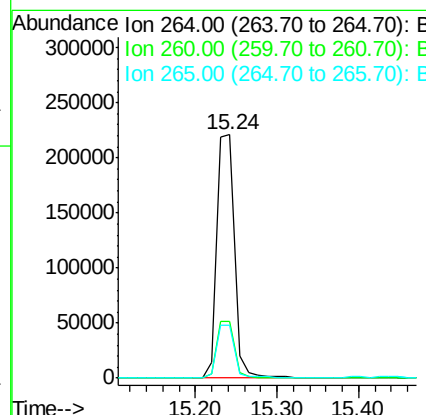
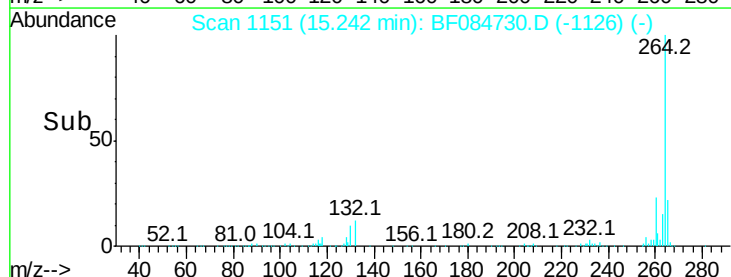
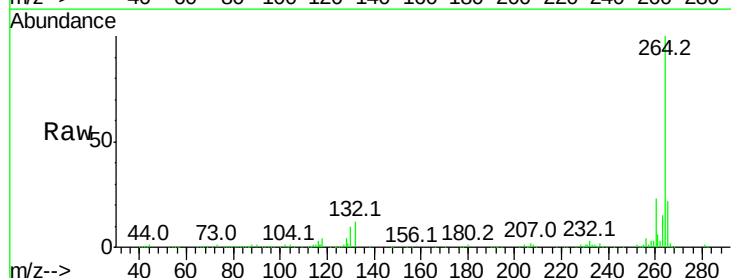
RT: 15.24 min Scan# 1151

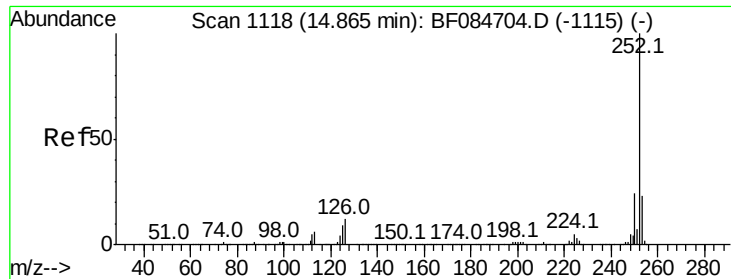
Delta R.T. -0.01 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion:	264	Resp:	335107
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.4	29.2
265	21.9	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 2.81 ng m

RT: 14.85 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Instrument :

BNA_F

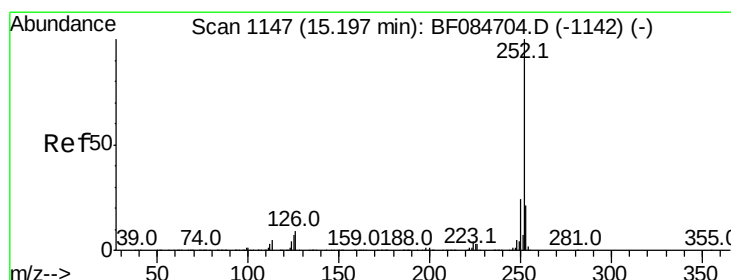
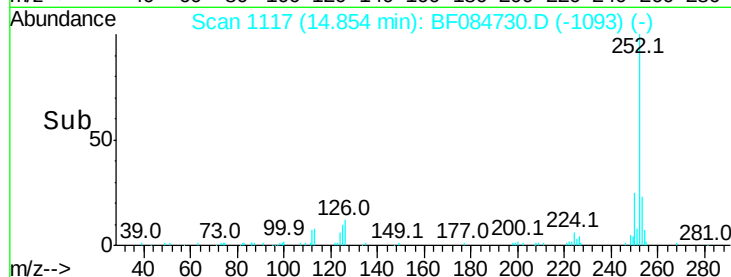
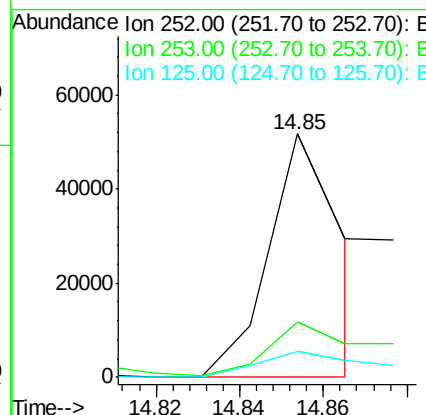
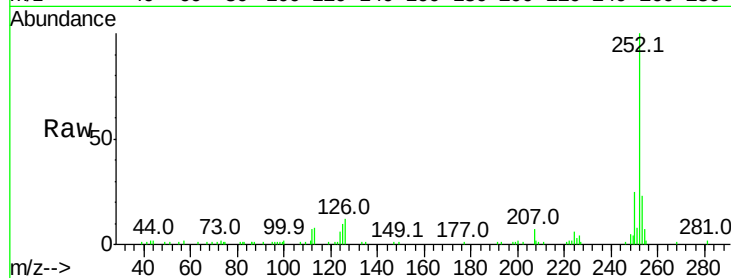
ClientSampleId :

SUP-B024(5-7)

Tot Ion:	252	Resp:	63229
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	10.5	6.5	9.7#

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#89

Benzo(a)pyrene

Concen: 2.33 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF084730.D

Acq: 2 Feb 2016 1:00

Tgt Ion:	252	Resp:	44727
Ion Ratio	Lower	Upper	
252	100		
253	20.1	17.3	25.9
125	13.7	7.0	10.4#

