

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
 Data File : BF088575.D
 Acq On : 1 Jul 2016 15:20
 Operator : UM/SJ
 Sample : H3808-15 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

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Quant Time: Jul 01 16:50:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139653	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	513938	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	224638	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	397641	20.00	ng	0.00
75) Chrysene-d12	13.94	240	278222	20.00	ng	-0.01
86) Perylene-d12	15.35	264	276031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	179332	19.25	ng	-0.01
7) Phenol-d6	6.43	99	230054	19.11	ng	-0.01
23) Nitrobenzene-d5	7.36	82	123422	12.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	38456	18.44	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	229116	16.11	ng	-0.01
78) Terphenyl-d14	12.90	244	170960	13.69	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.35	178	217048	9.99	ng	97
71) Anthracene	11.39	178	60431	2.80	ng	97
74) Fluoranthene	12.52	202	328471	14.91	ng	98
77) Pyrene	12.75	202	298285	12.64	ng	99
79) Butylbenzylphthalate	13.38	149	50471	4.80	ng	95
80) Benzo(a)anthracene	13.93	228	158641	8.86	ng	98
82) Chrysene	13.97	228	118552m	6.69	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	63734	5.31	ng	95
85) Indeno(1,2,3-cd)pyrene	16.69	276	63315	4.64	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	150468m	8.69	ng	
88) Benzo(k)fluoranthene	14.96	252	66862m	4.44	ng	
89) Benzo(a)pyrene	15.29	252	114040m	7.78	ng	
91) Benzo(g,h,i)perylene	17.10	276	59790	4.72	ng	95

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

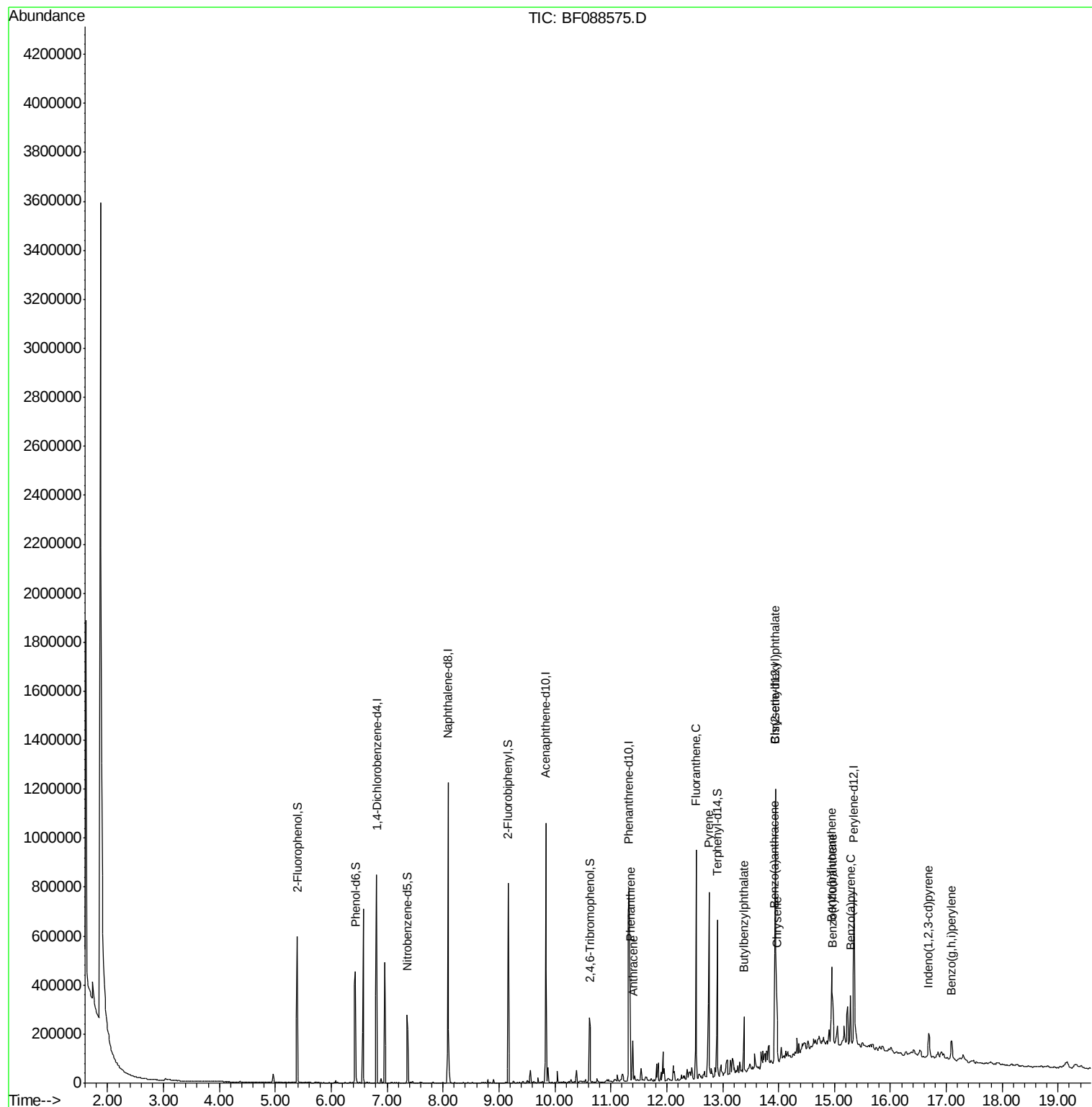
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088575.D
Acq On : 1 Jul 2016 15:20
Operator : UM/SJ
Sample : H3808-15 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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#1

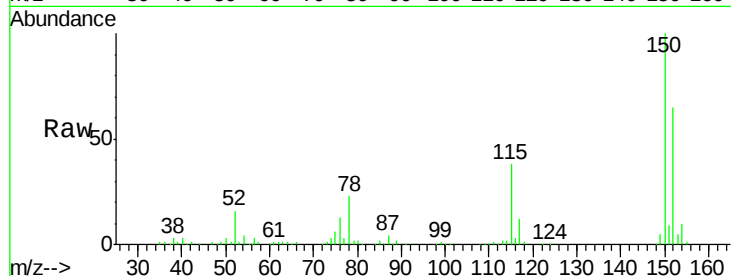
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF088575.D
Acq: 1 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	139653		
150	153.4	123.8	185.6	
115	58.4	39.6	59.4	

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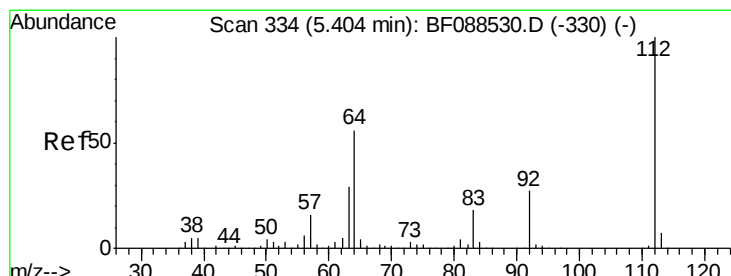
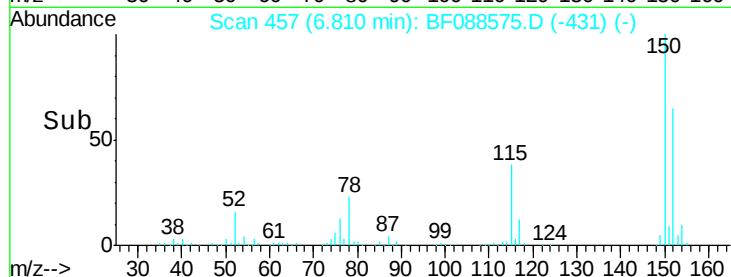
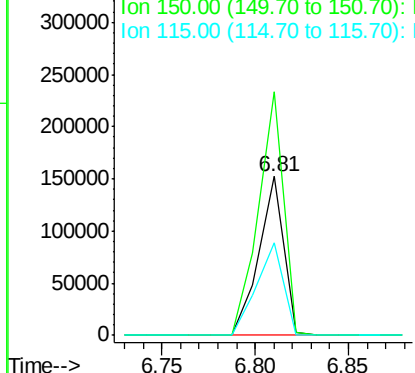


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

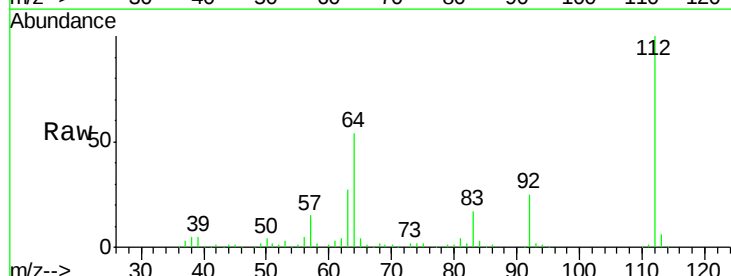
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.25 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088575.D
Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	179332		
64	53.8	42.2	63.2	
63	27.2	21.8	32.8	

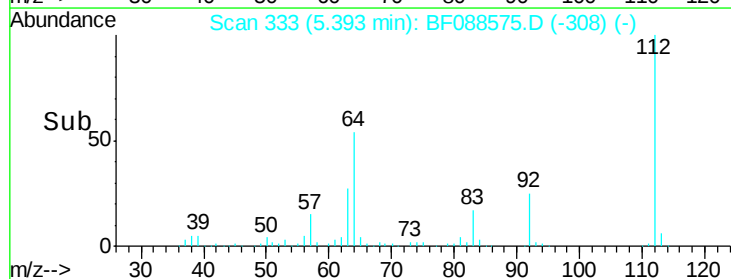
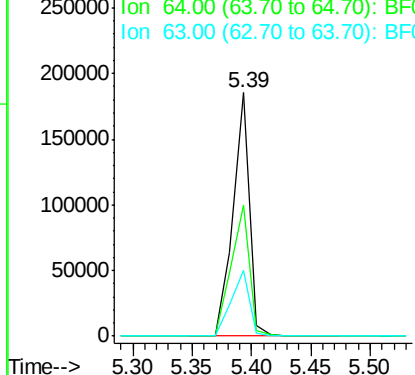


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.11 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Instrument :

BNA_F

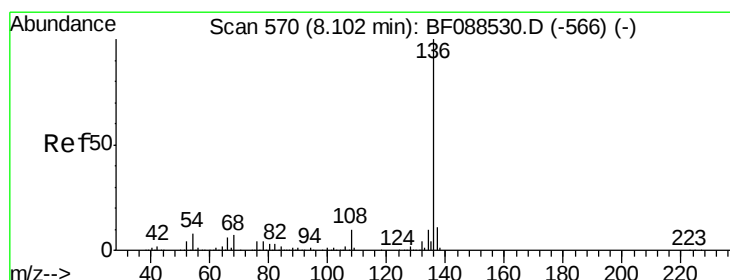
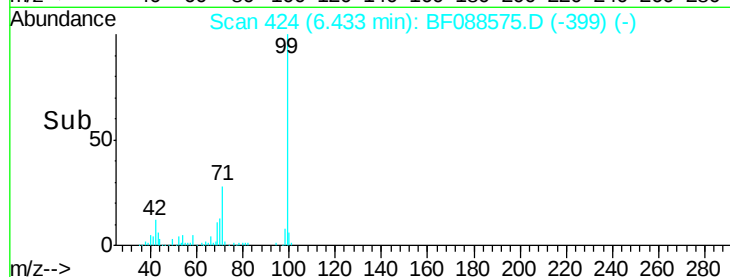
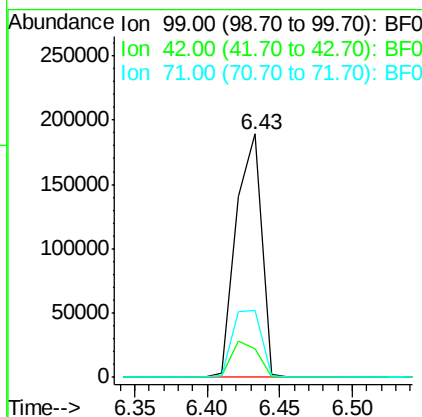
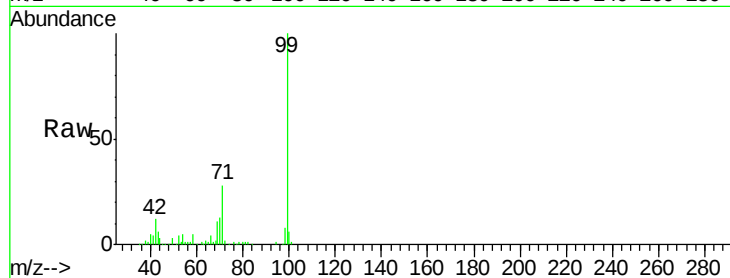
ClientSampleId :

SB-08-COMP

Tgt Ion:	99	Resp:	230054
Ion Ratio	Lower	Upper	
99	100		
42	11.9	12.2	18.2#
71	27.7	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

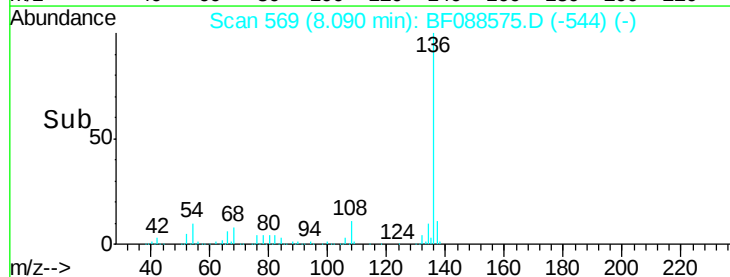
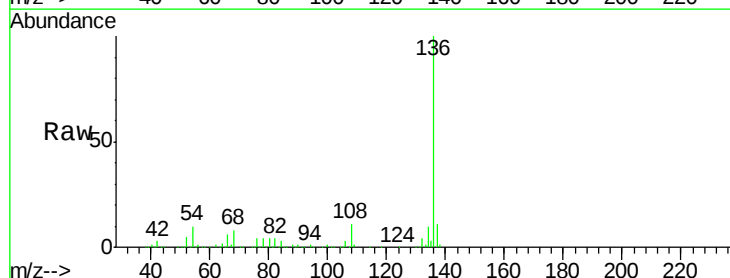
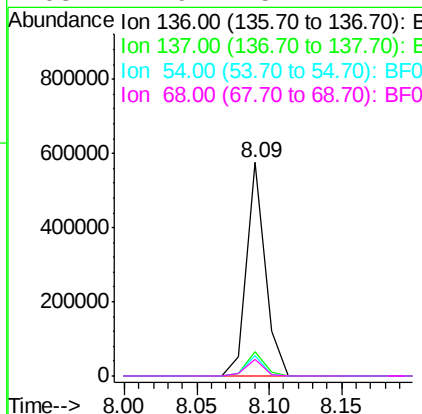
RT: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Tgt Ion:	136	Resp:	513938
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.5	6.6	10.0
68	7.9	5.1	7.7#





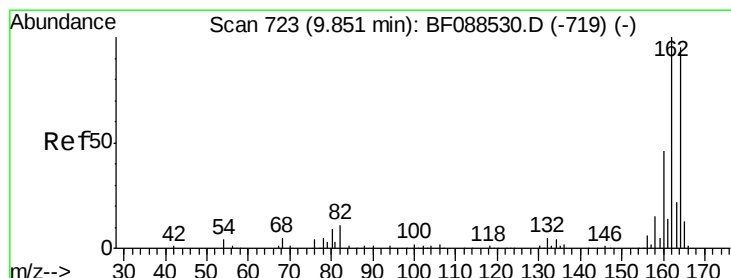
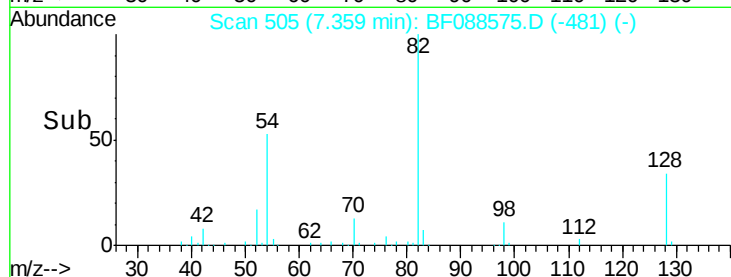
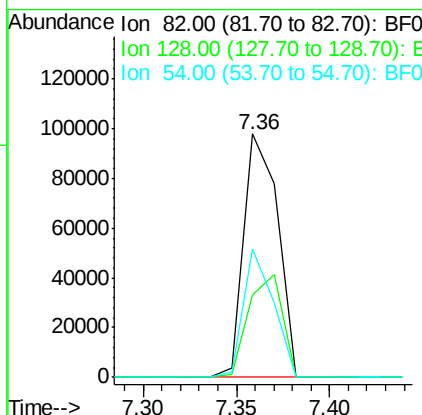
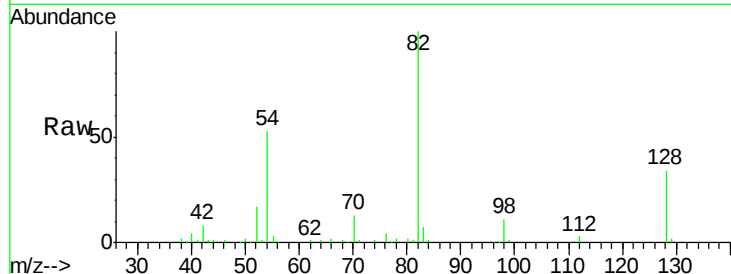
#23
 Nitrobenzene-d5
 Concen: 12.58 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.6	35.9	53.9#
54	52.9	40.9	61.3

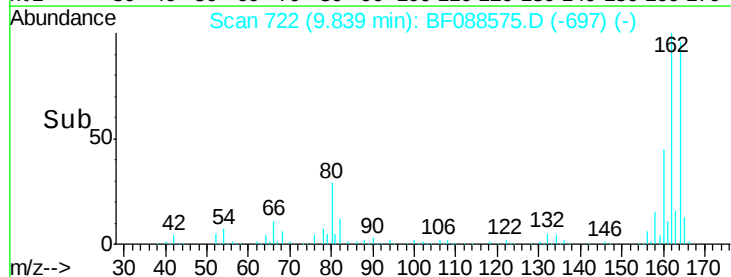
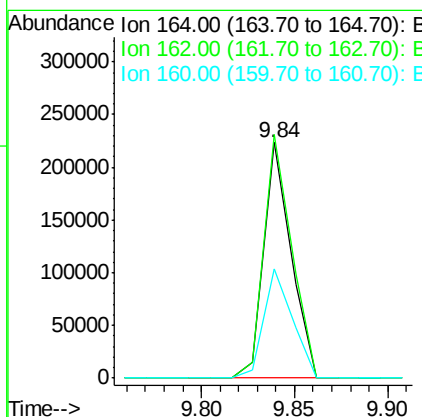
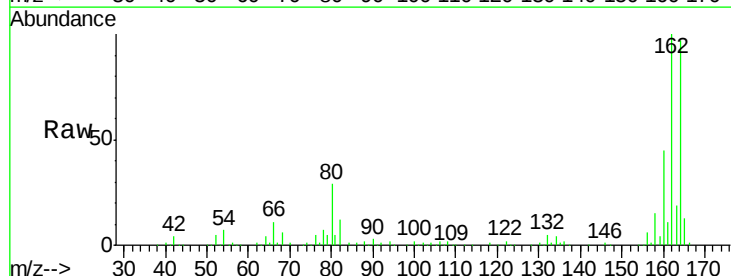
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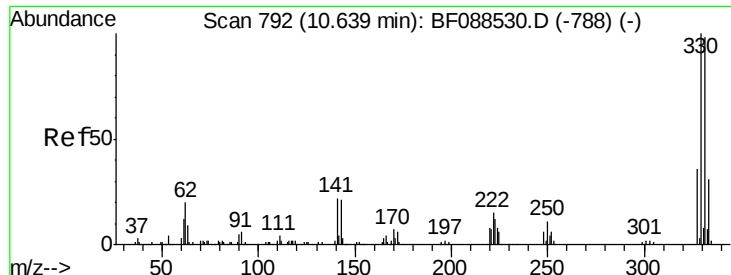
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	85.4	128.2
160	46.6	39.5	59.3





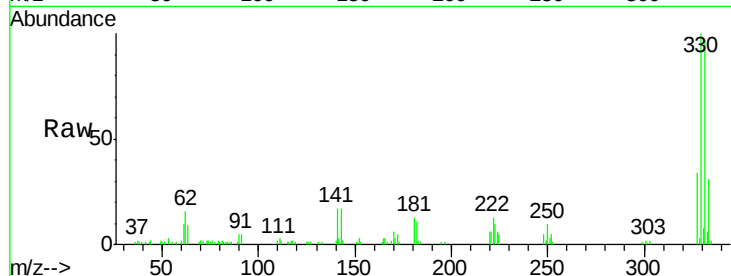
#41
 2,4,6-Tribromophenol
 Concen: 18.44 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

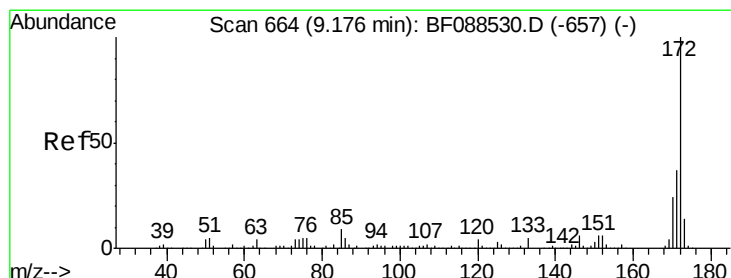
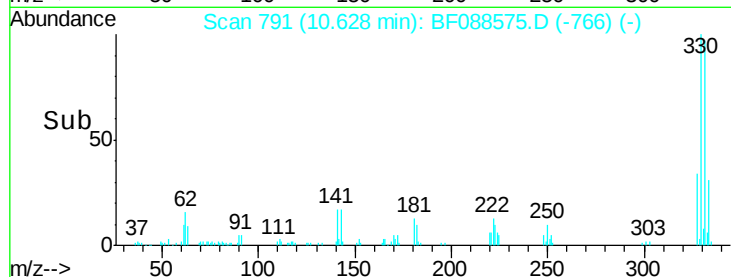
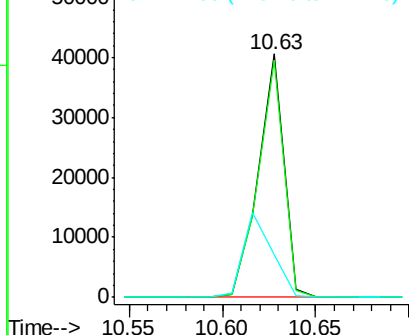
Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.8	0.0	0.0#
141	39.5	0.0	0.0#

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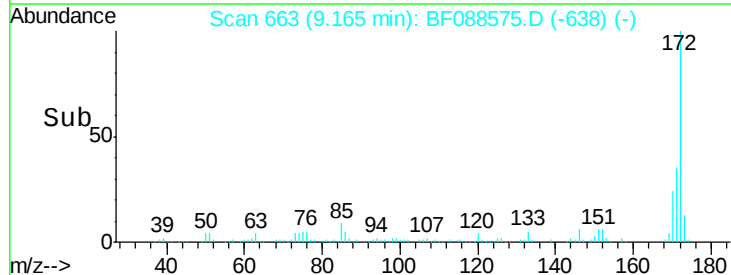
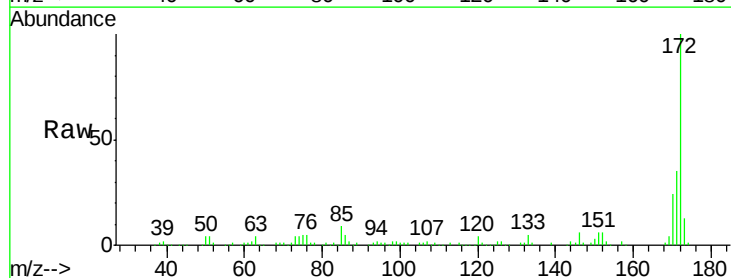
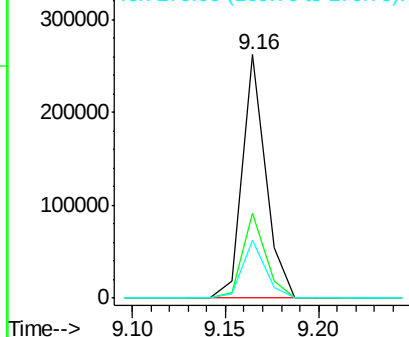
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

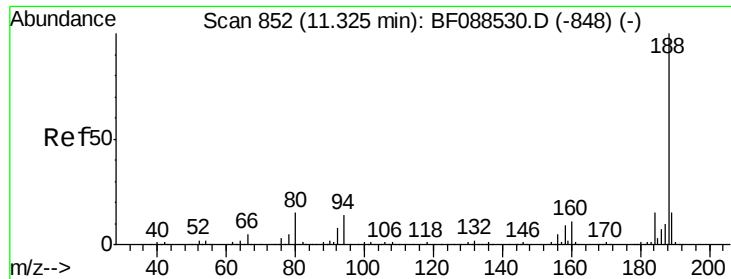


#44
 2-Fluorobiphenyl
 Concen: 16.11 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.1	28.6	43.0
170	23.7	19.2	28.8

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Instrument :

BNA_F

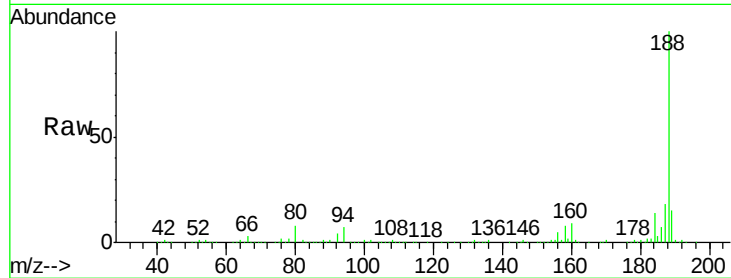
ClientSampleId :

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Tgt Ion:	188	Resp:	397641
Ion Ratio	Lower	Upper	
188	100		
94	7.4	9.0	13.6#
80	8.0	10.0	15.0#

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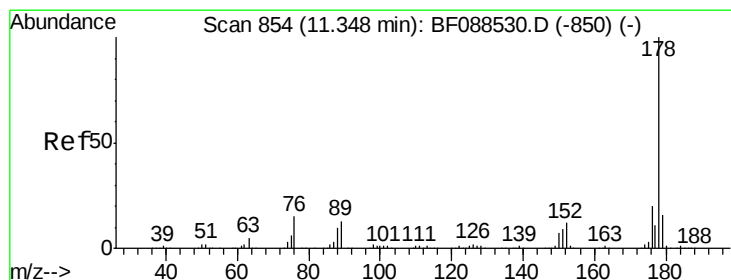
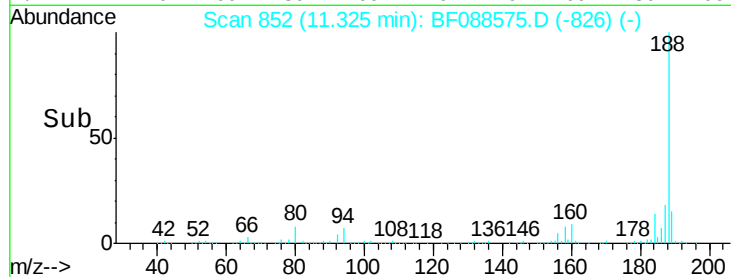
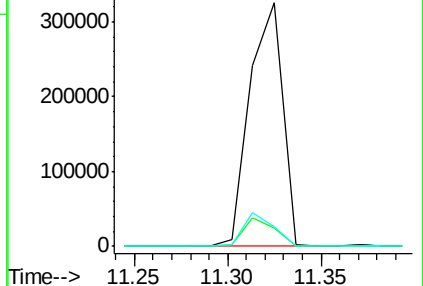
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 9.99 ng

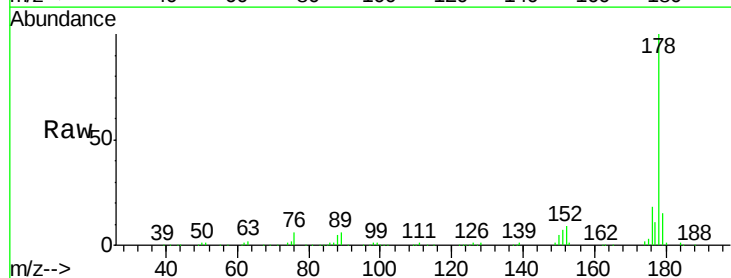
RT: 11.35 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

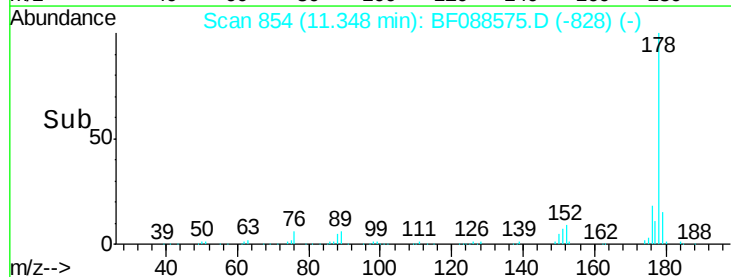
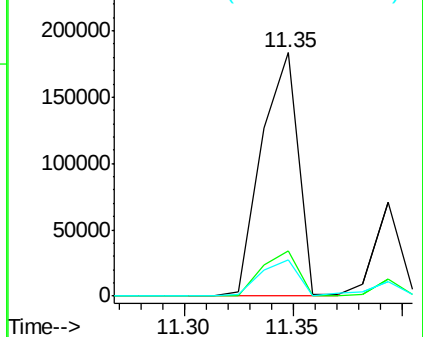
Tgt Ion:	178	Resp:	217048
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.6
179	14.8	13.0	19.4

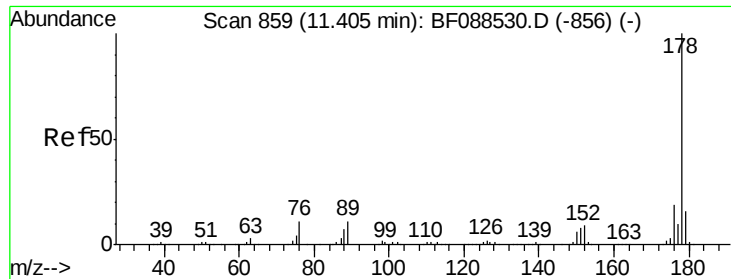


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





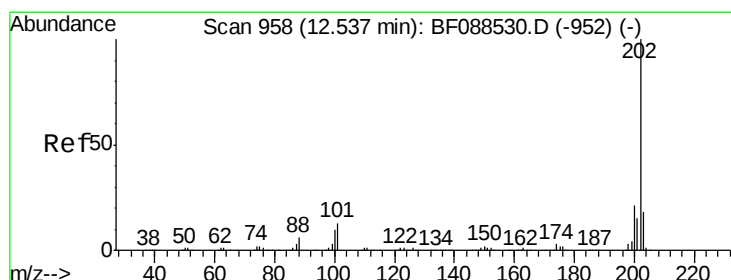
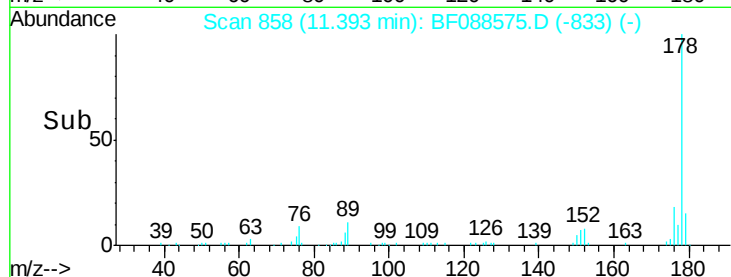
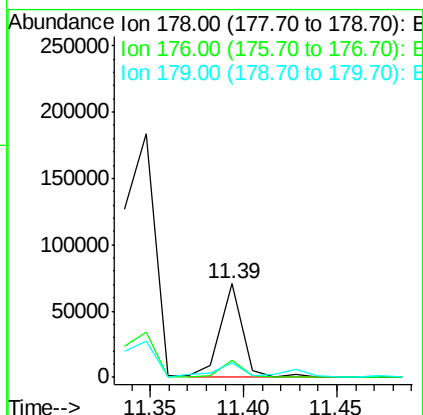
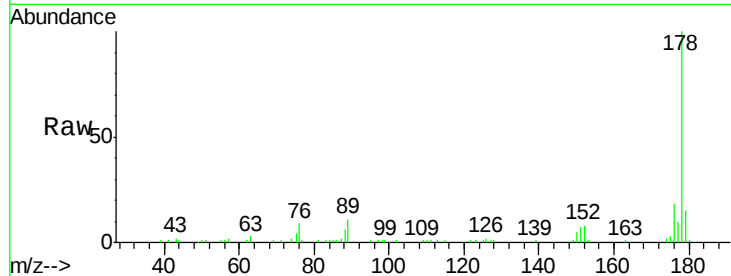
#71
 Anthracene
 Concen: 2.80 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.1	12.8	19.2

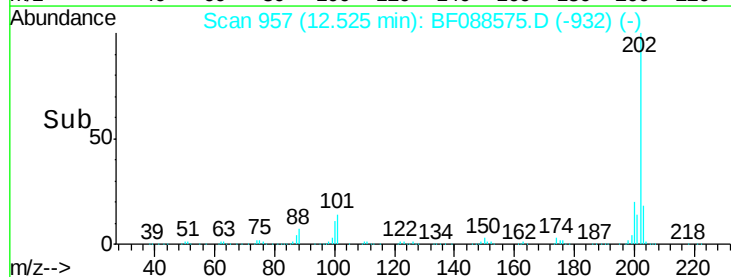
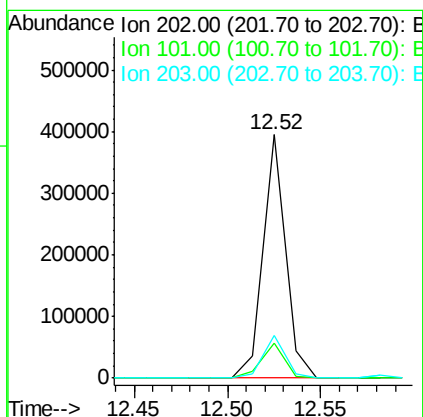
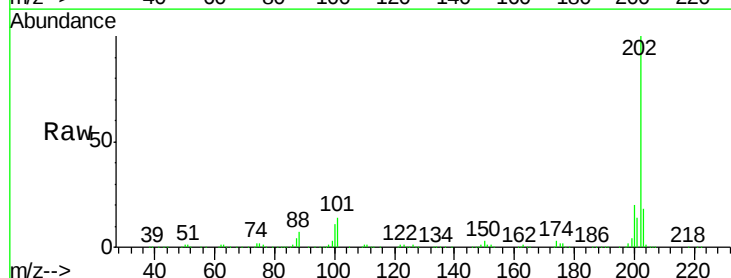
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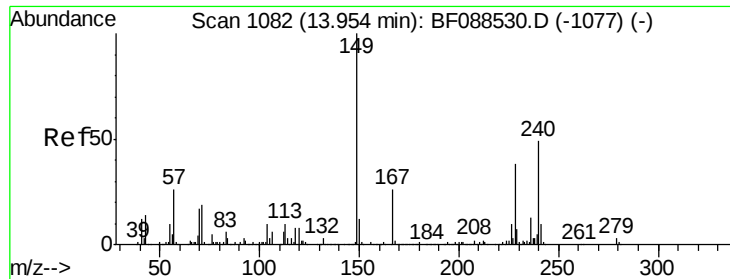
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#74
 Fluoranthene
 Concen: 14.91 ng
 RT: 12.52 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tgt Ion: 240 Resp: 278222

Ion Ratio Lower Upper

240 100

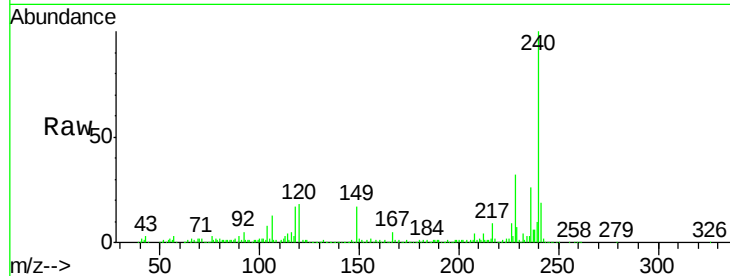
120 18.3 6.8 10.2#

236 25.9 20.2 30.2

Manual Integrations
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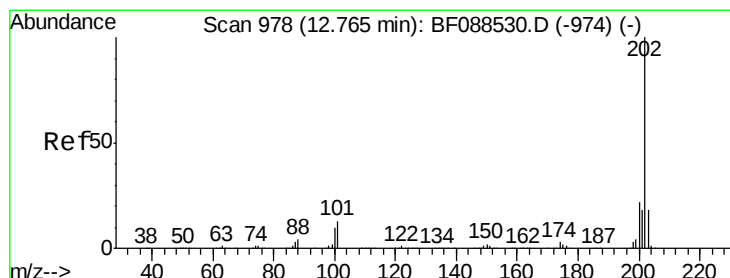
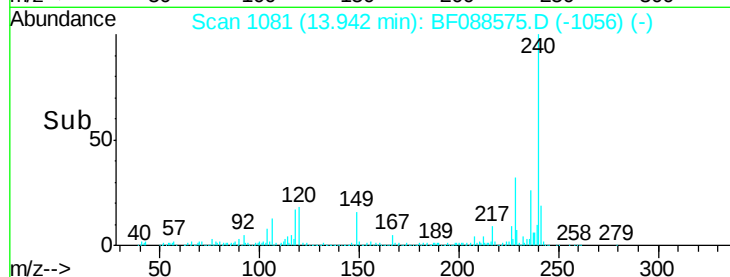
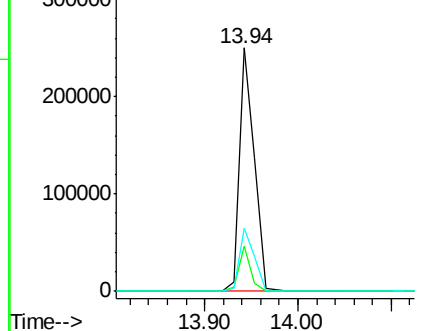
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.64 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

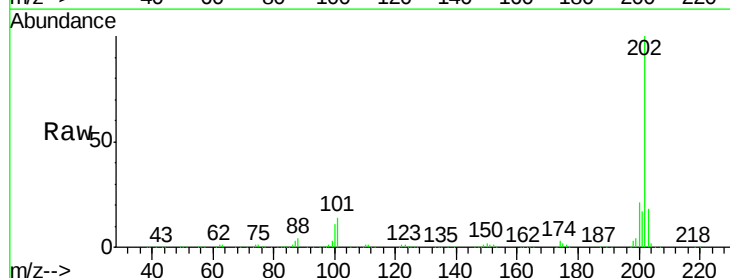
Tgt Ion: 202 Resp: 298285

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

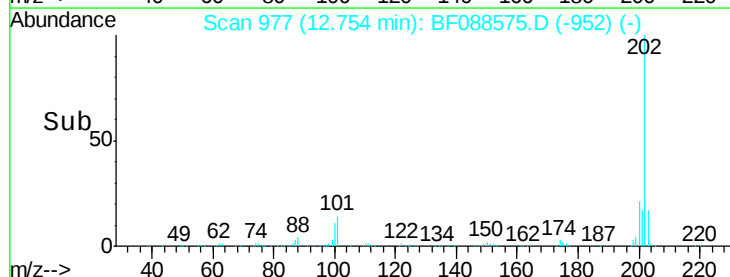
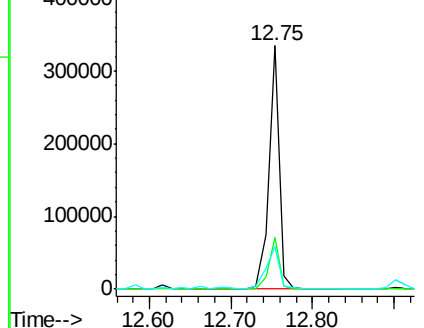
203 17.6 14.5 21.7

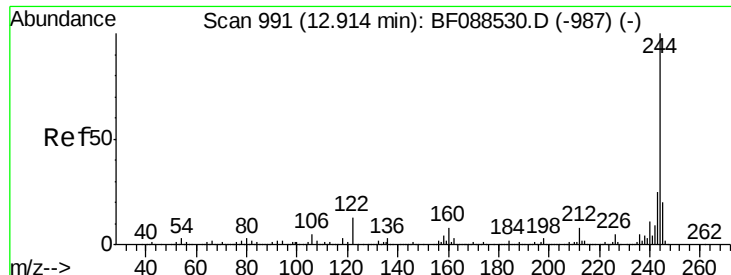


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





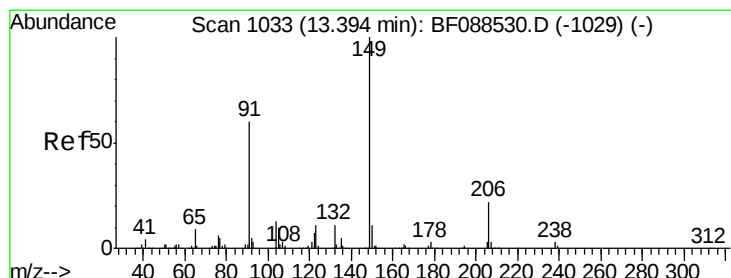
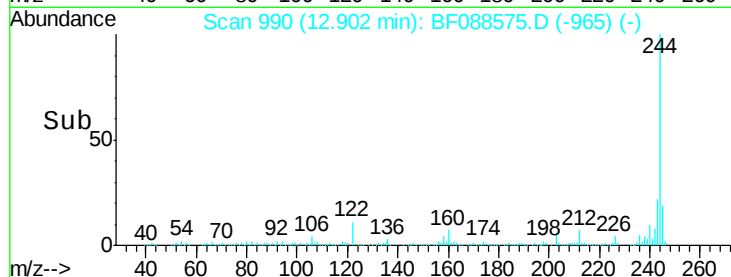
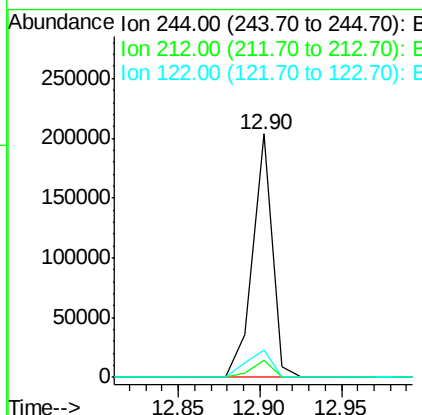
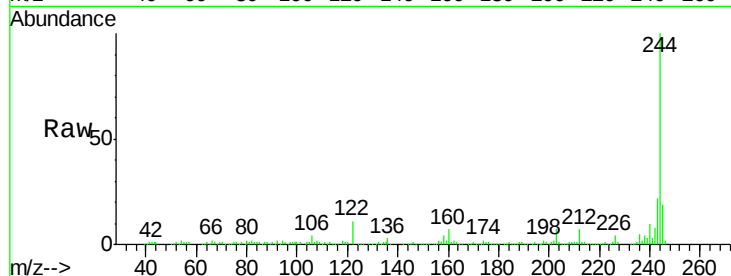
#78
 Terphenyl-d14
 Concen: 13.69 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	6.0	9.0
122	11.4	11.2	16.8

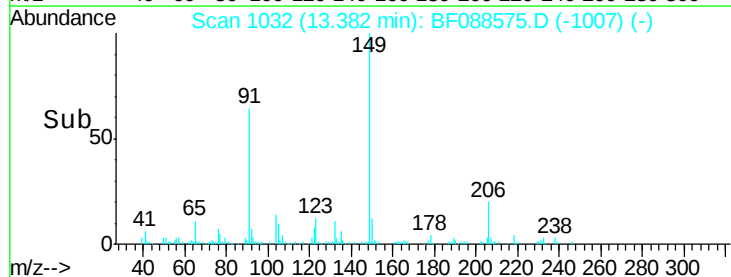
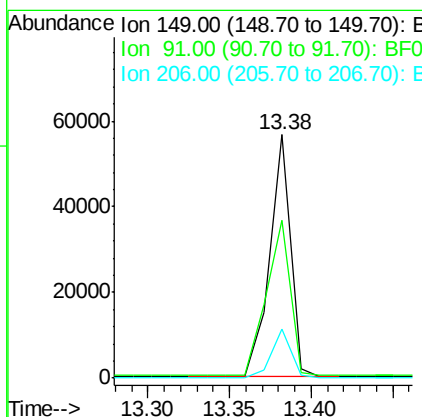
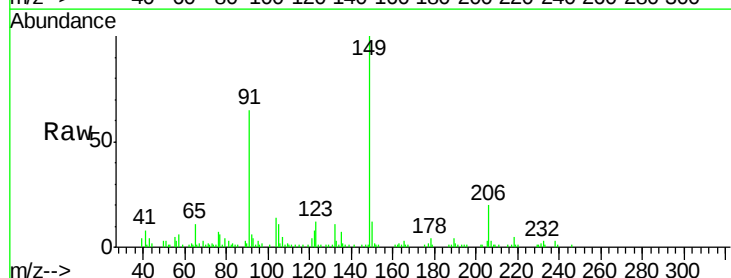
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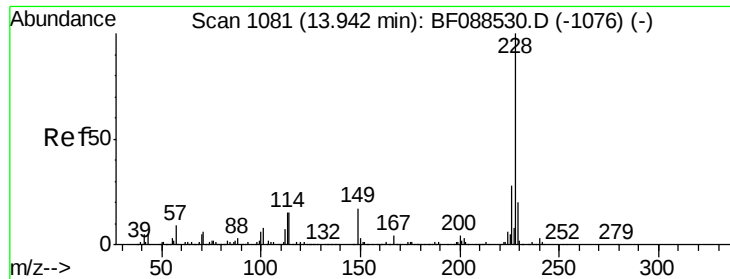
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#79
 Butylbenzylphthalate
 Concen: 4.80 ng
 RT: 13.38 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	64.7	48.0	72.0
206	20.3	16.0	24.0





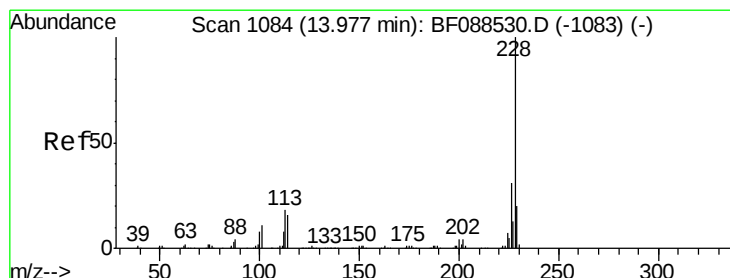
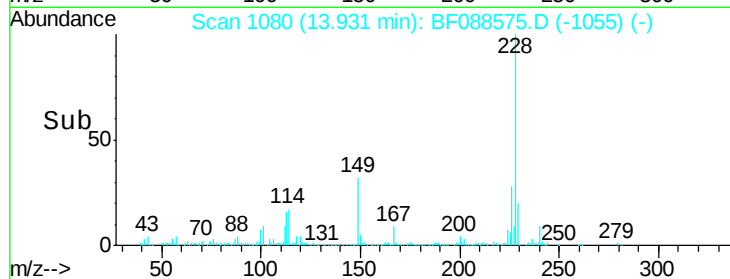
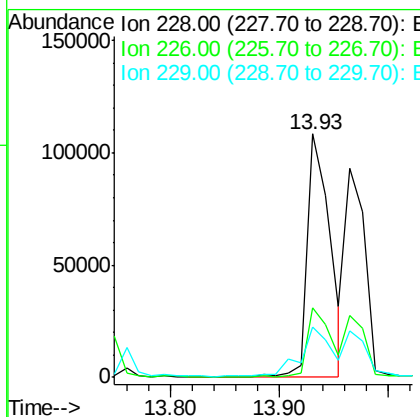
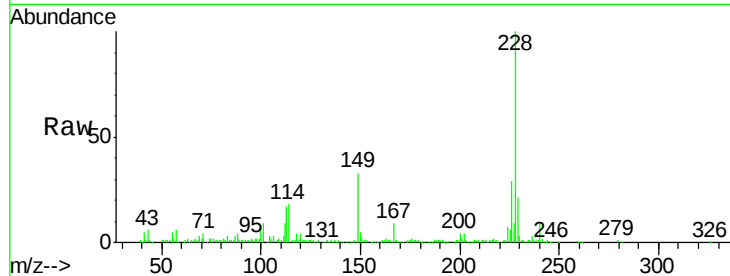
#80
Benzo(a)anthracene
Concen: 8.86 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088575.D
Acq: 1 Jul 2016 15:20

Instrument :
BNA_F
ClientSampled :
SB-08-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	20.7	16.0	24.0

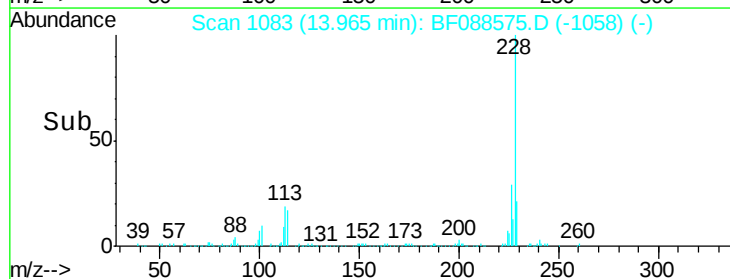
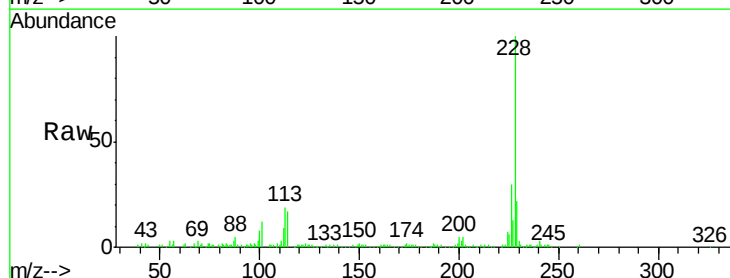
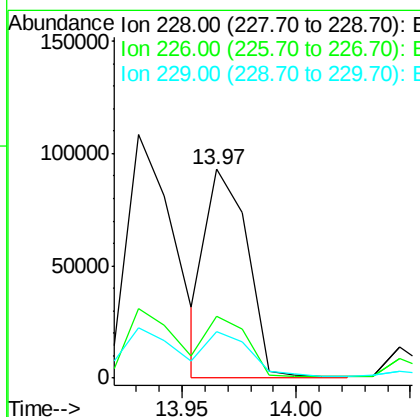
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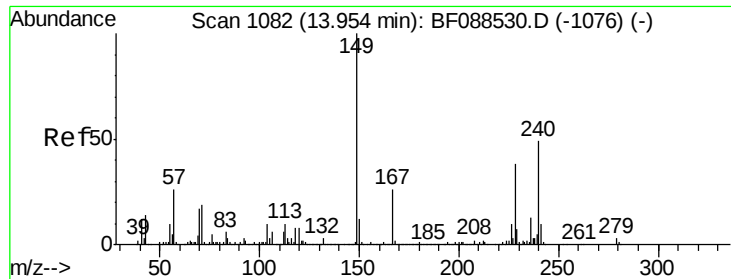
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#82
Chrysene
Concen: 6.69 ng m
RT: 13.97 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BF088575.D
Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.2
229	22.5	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.31 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Instrument :

BNA_F

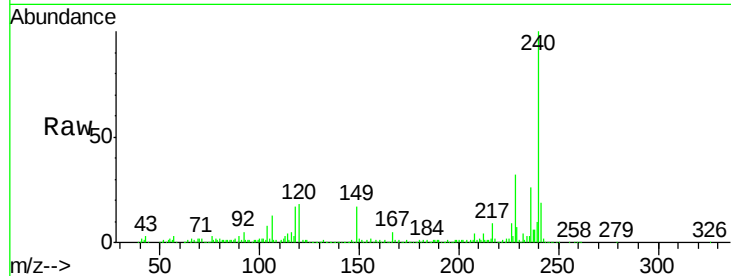
ClientSampleId :

SB-08-COMP

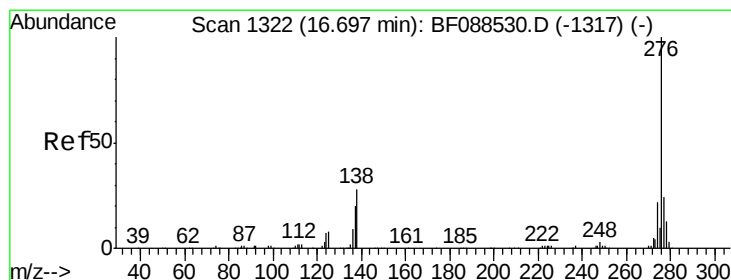
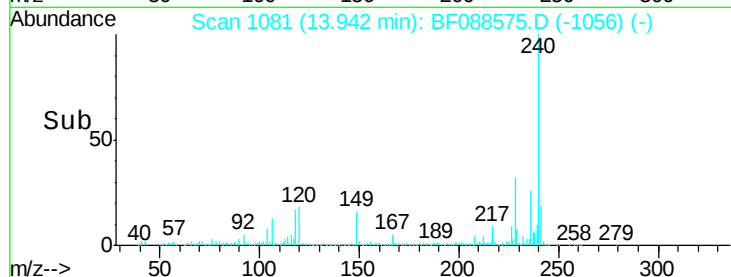
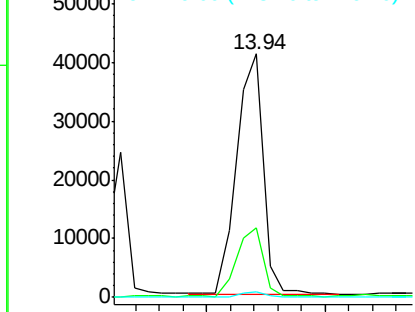
Tgt Ion:	149	Resp:	63734
Ion Ratio	Lower	Upper	
149	100		
167	28.4	20.5	30.7
279	2.3	2.0	3.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.64 ng

RT: 16.69 min Scan# 1321

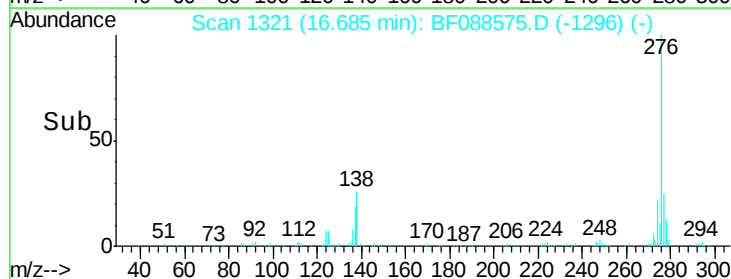
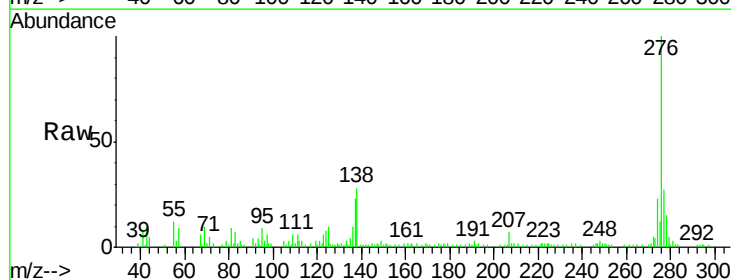
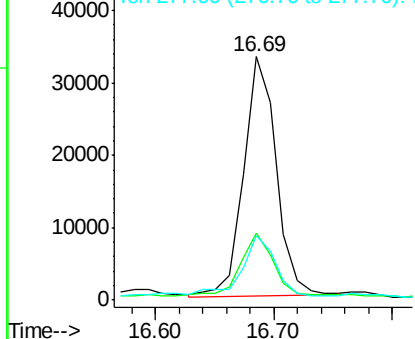
Delta R.T. -0.01 min

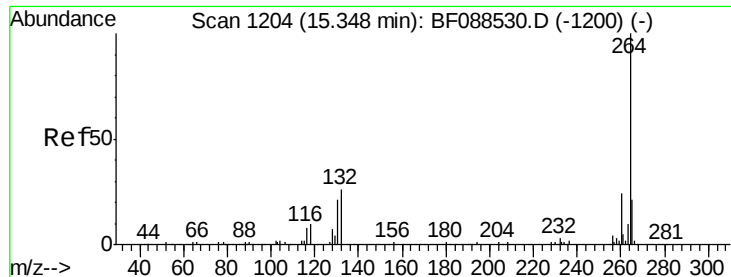
Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Tgt Ion:	276	Resp:	63315
Ion Ratio	Lower	Upper	
276	100		
138	26.2	0.0	0.0#
277	27.4	0.0	0.0#

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





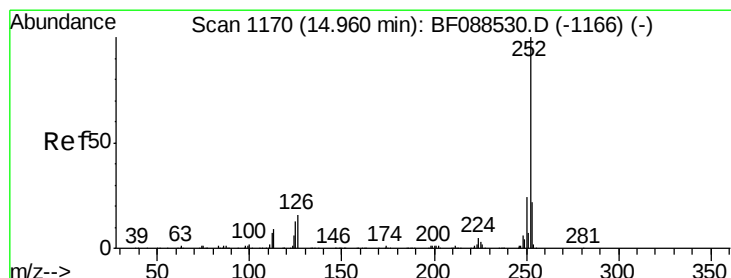
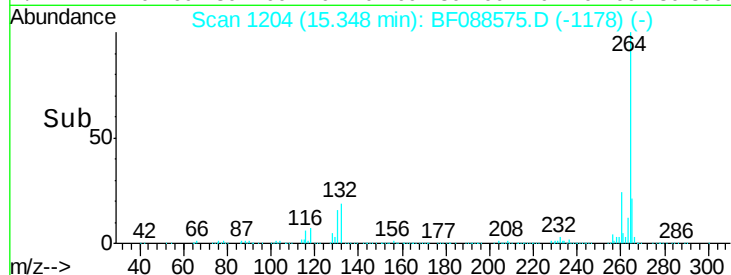
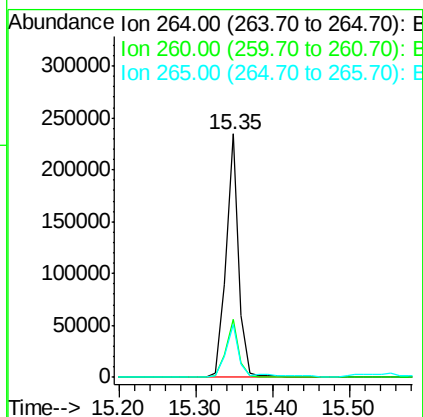
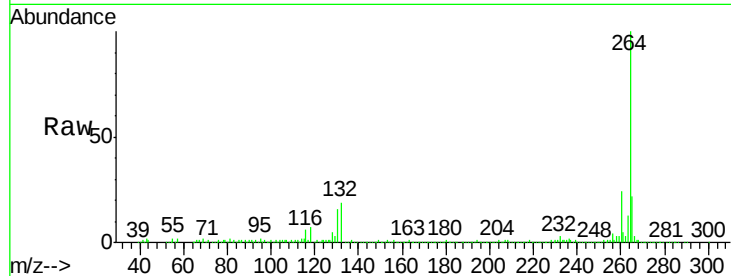
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088575.D
Acq: 1 Jul 2016 15:20

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	276031		
260	23.9	19.2	28.8	
265	21.5	16.9	25.3	

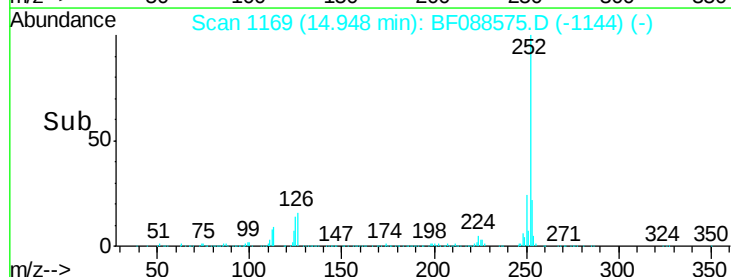
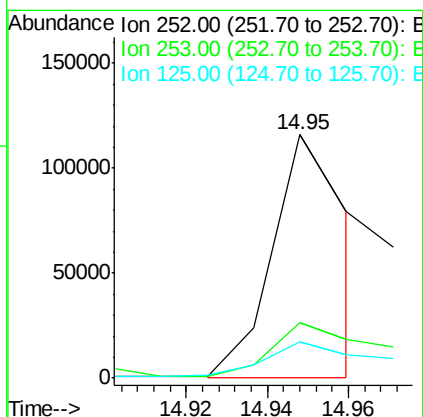
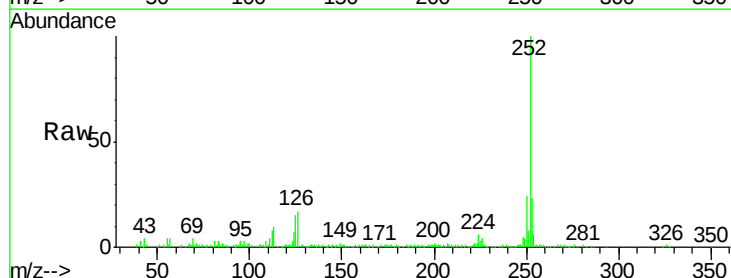
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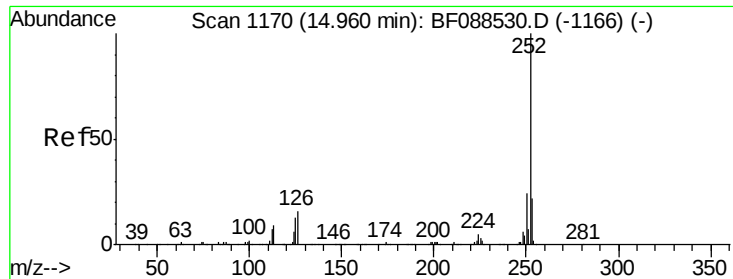
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#87
Benzo(b)fluoranthene
Concen: 8.69 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088575.D
Acq: 1 Jul 2016 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	150468		
253	22.9	17.4	26.2	
125	14.6	7.1	10.7#	





#88

Benzo(k)fluoranthene

Concen: 4.44 ng m

RT: 14.96 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Instrument :

BNA_F

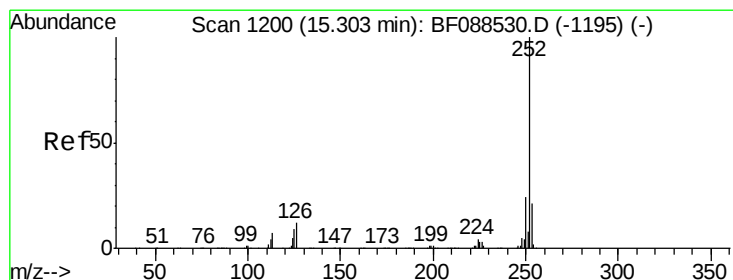
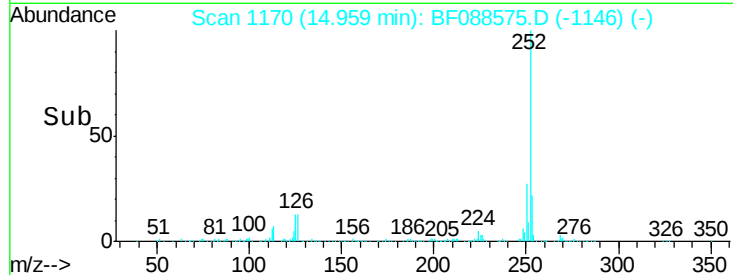
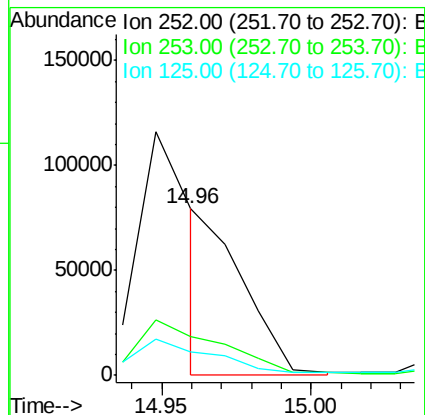
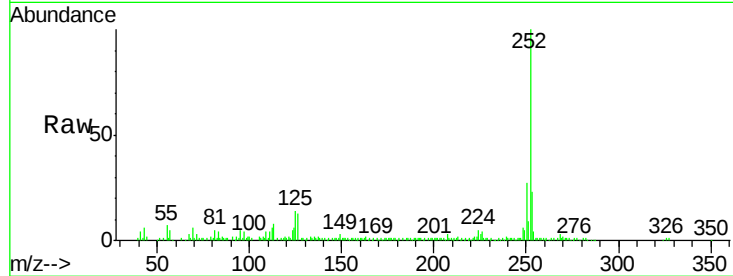
ClientSampleId :

SB-08-COMP

Tgt Ion:	252	Resp:	66862
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	13.9	11.2	16.8

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#89

Benzo(a)pyrene

Concen: 7.78 ng m

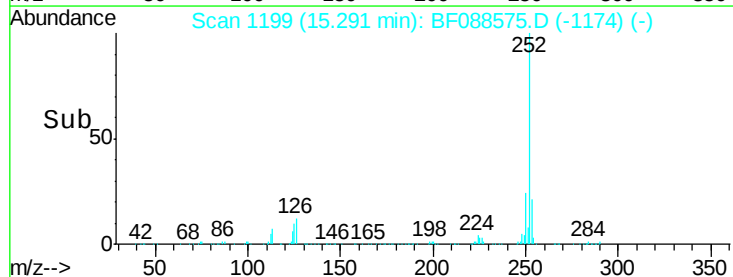
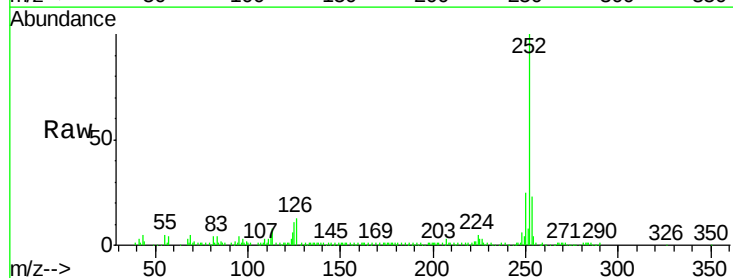
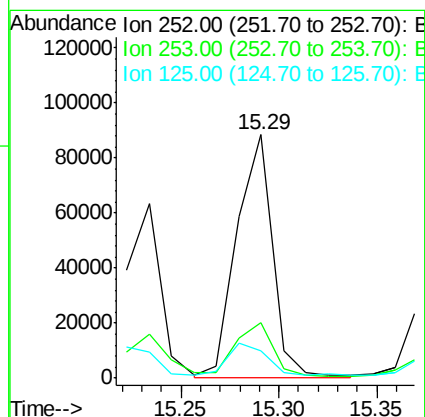
RT: 15.29 min Scan# 1199

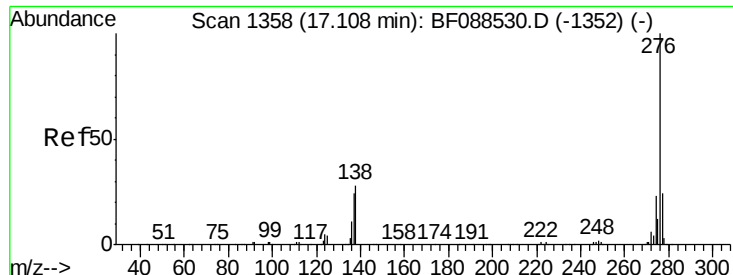
Delta R.T. -0.01 min

Lab File: BF088575.D

Acq: 1 Jul 2016 15:20

Tgt Ion:	252	Resp:	114040
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	11.0	12.5	18.7#





#91
 Benzo(g,h,i)perylene
 Concen: 4.72 ng
 RT: 17.10 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: BF088575.D
 Acq: 1 Jul 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tgt Ion:	276	Resp:	59790
Ion Ratio		Lower	Upper
276	100		
277	25.3	18.9	28.3
138	24.0	21.4	32.2

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