

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092147.D
 Acq On : 9 Jan 2017 19:42
 Operator : UM/SJ
 Sample : I1064-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-COMP12

Manual Integrations
 APPROVED

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 1/10/2017 10:01:23 AM

Quant Time: Jan 09 23:06:12 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	163811	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	662347	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	318851	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	460827	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	357431	20.00	ng	-0.01
86) Perylene-d12	15.15	264	319964	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1576408	160.68	ng	0.00
7) Phenol-d6	6.30	99	1746593	145.82	ng	-0.01
23) Nitrobenzene-d5	7.20	82	999483	83.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	325166	123.23	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1615153	107.15	ng	-0.01
78) Terphenyl-d14	12.73	244	1117912	75.85	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.93	128	89531	2.95	ng	99
49) Dimethylphthalate	9.40	163	530636	26.02	ng	99
70) Phenanthrene	11.17	178	107897	4.32	ng	96
77) Pyrene	12.57	202	164484	6.27	ng	97
80) Benzo(a)anthracene	13.76	228	52069m	2.58	ng	
82) Chrysene	13.80	228	55712m	2.75	ng	
85) Indeno(1,2,3-cd)pyrene	16.40	276	51440	2.93	ng	96
87) Benzo(b)fluoranthene	14.77	252	69795m	3.50	ng	
89) Benzo(a)pyrene	15.09	252	75282	4.26	ng	99
91) Benzo(g,h,i)perylene	16.79	276	77277	5.11	ng	95

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

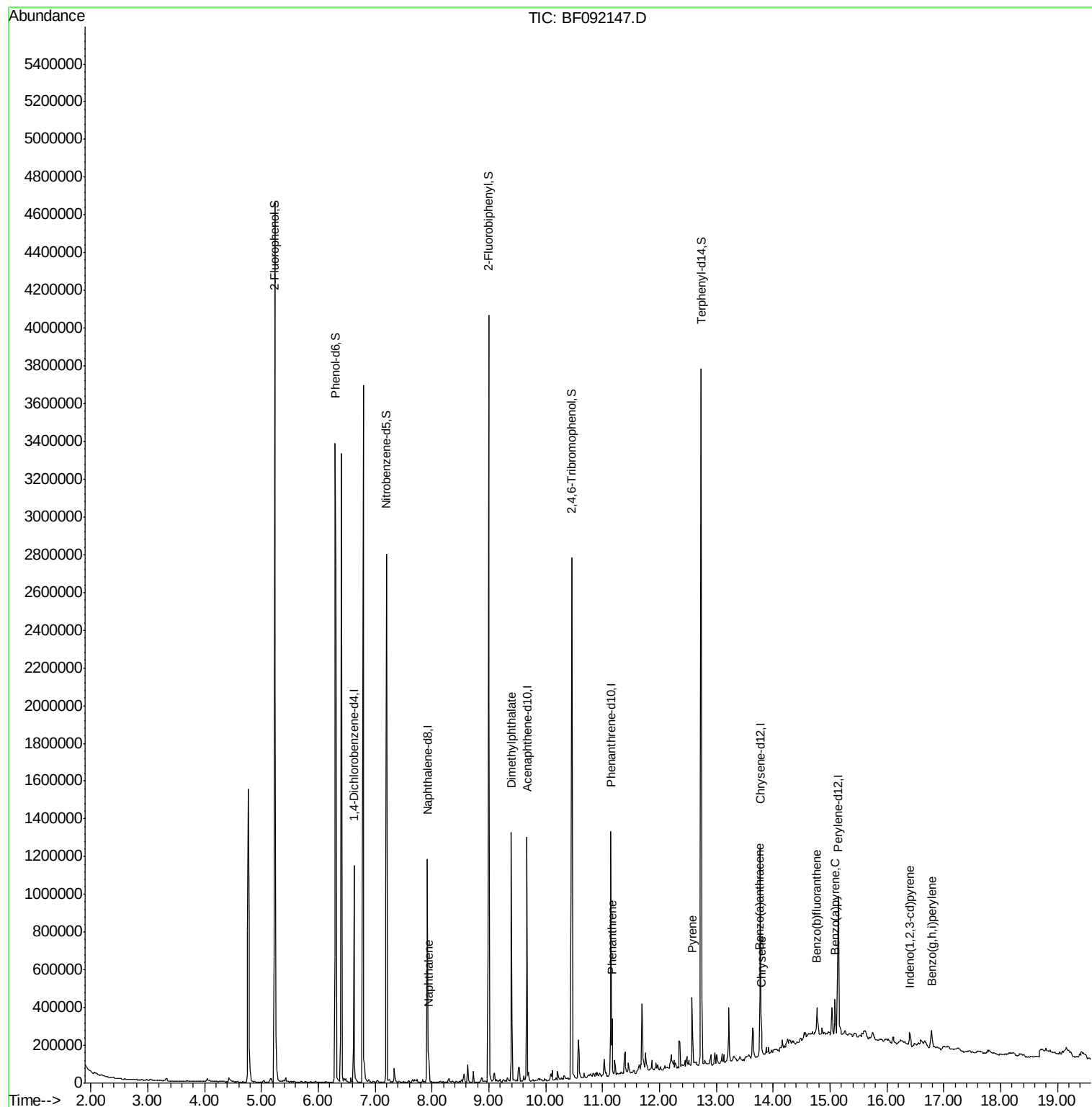
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092147.D
Acq On : 9 Jan 2017 19:42
Operator : UM/SJ
Sample : I1064-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

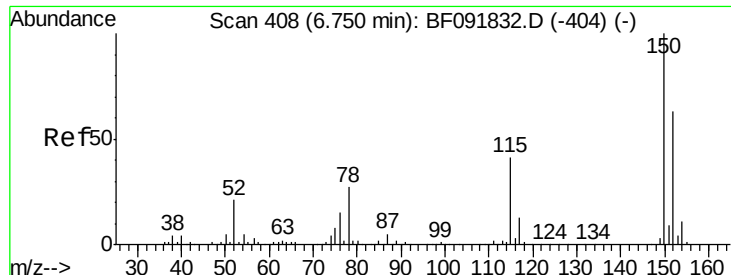
Instrument :
BNA_F
ClientSampleId :
TP4-COMP12

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Quant Time: Jan 09 23:06:12 2017
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#1

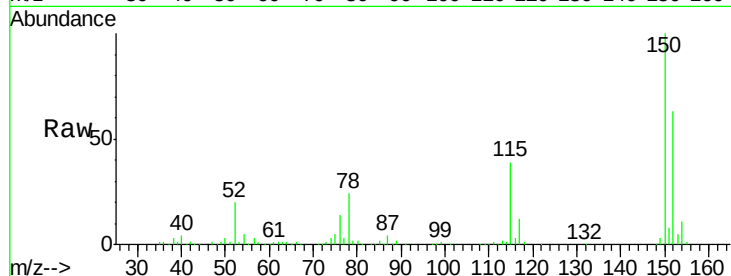
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Instrument :
BNA_F
ClientSampleId :
TP4-COMP12

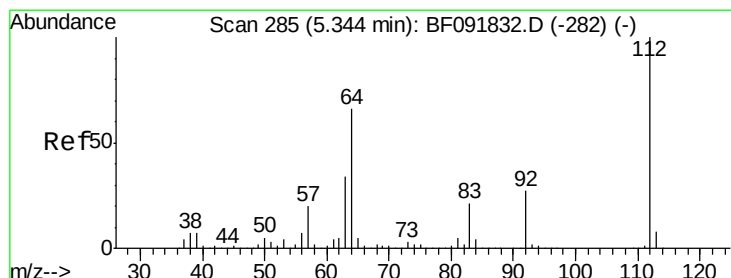
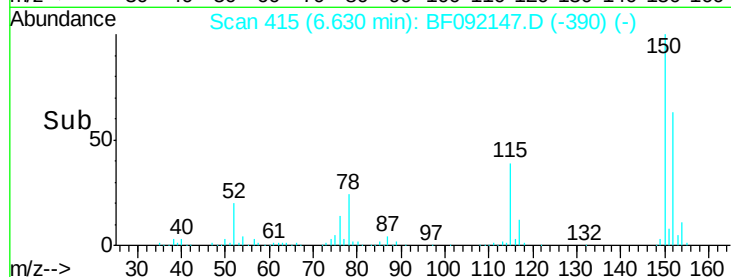
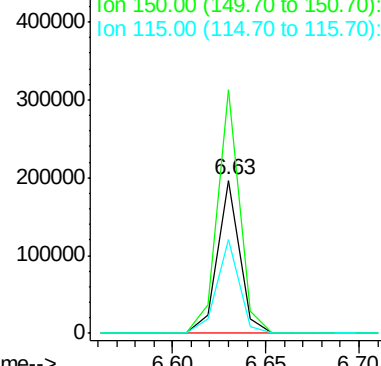
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.9	187.3
115	61.4	46.0	69.0

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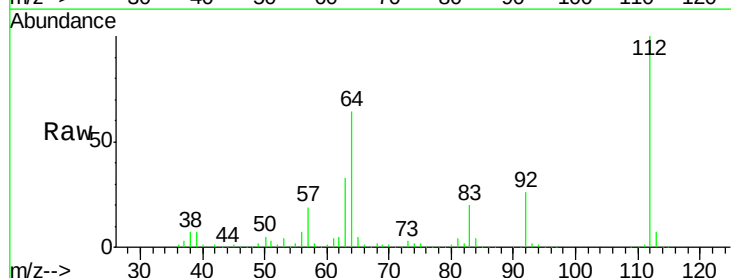
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



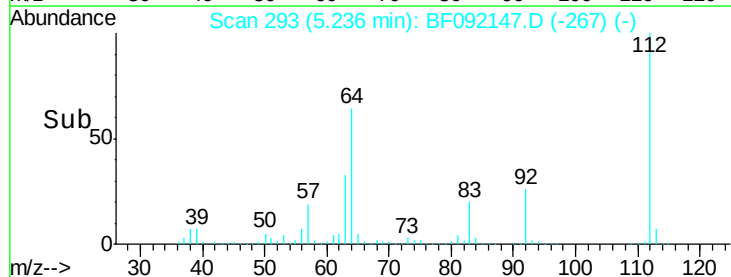
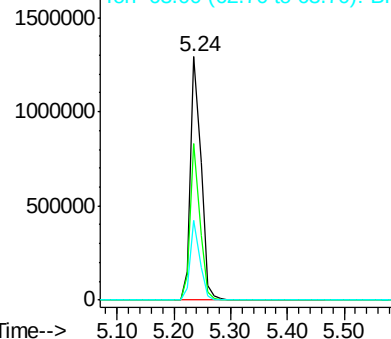
#5

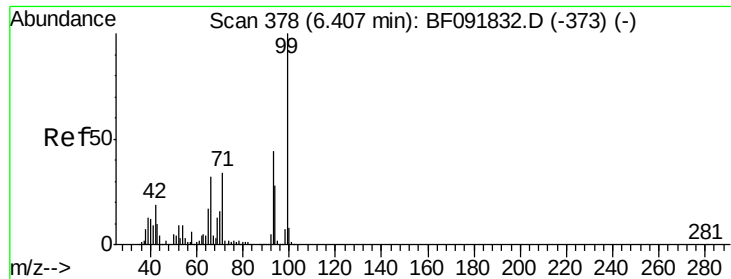
2-Fluorophenol
Concen: 160.68 ng
RT: 5.24 min Scan# 293
Delta R.T. 0.00 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	46.1	69.1
63	32.8	23.8	35.6



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: 145.82 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092147.D

Acq: 9 Jan 2017 19:42

Instrument :

BNA_F

ClientSampleId :

TP4-COMP12

Tgt Ion: 99 Resp: 1746593

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

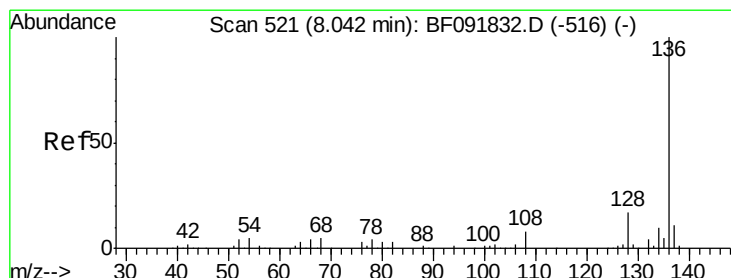
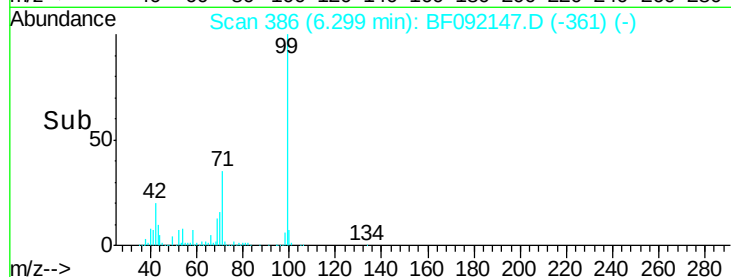
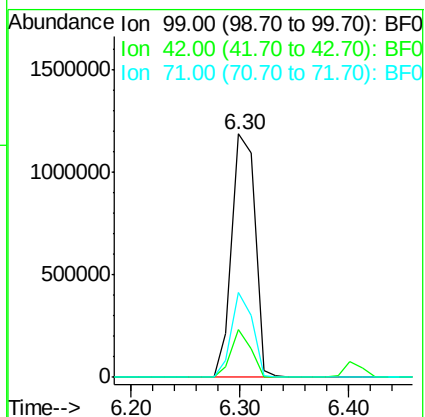
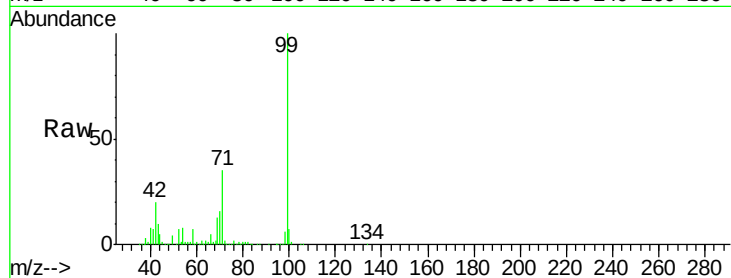
71 34.9 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092147.D

Acq: 9 Jan 2017 19:42

Tgt Ion: 136 Resp: 662347

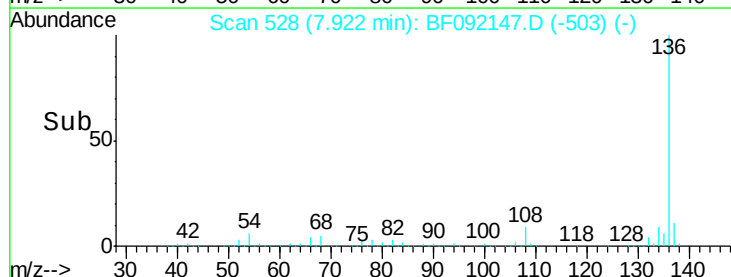
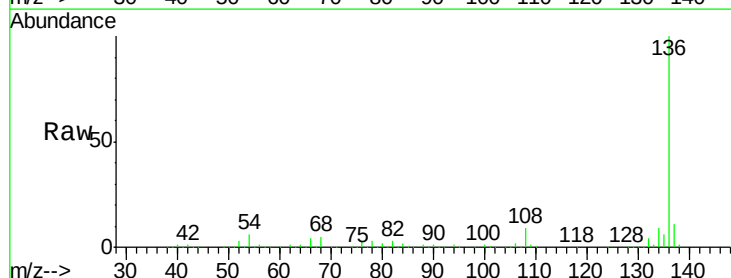
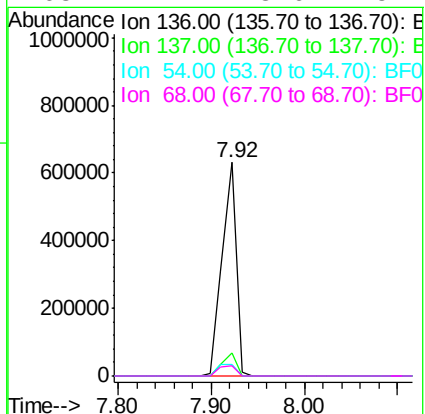
Ion Ratio Lower Upper

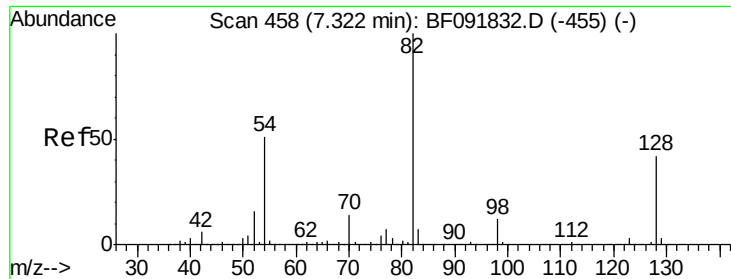
136 100

137 10.9 8.4 12.6

54 5.6 4.5 6.7

68 4.7 3.6 5.4





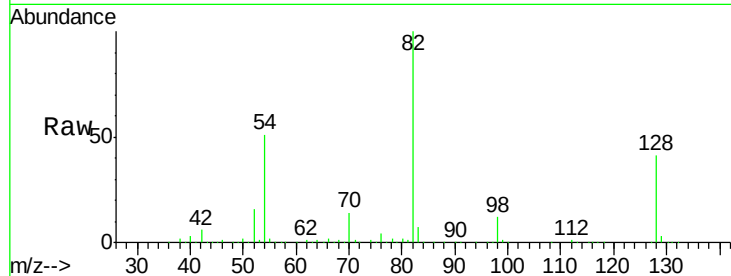
#23
 Nitrobenzene-d5
 Concen: 83.91 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF092147.D
 Acq: 9 Jan 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 TP4-COMP12

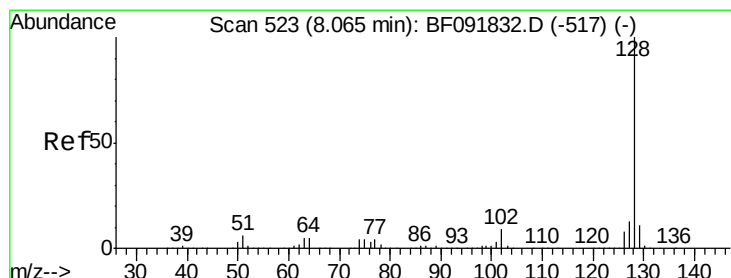
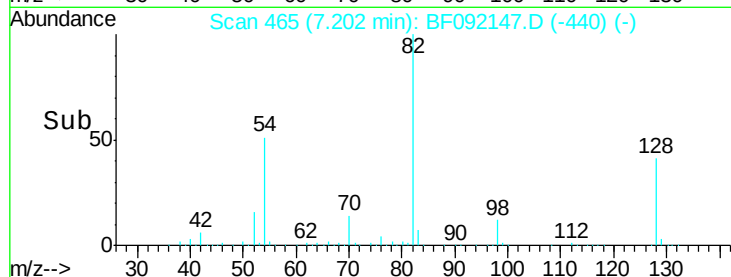
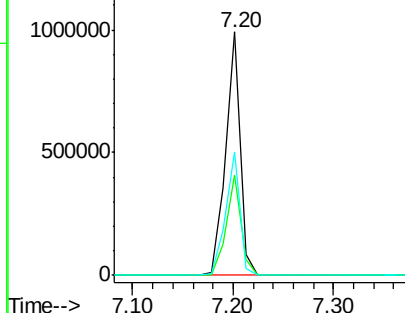
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	999483		
128	41.4	34.6	52.0	
54	50.7	39.5	59.3	

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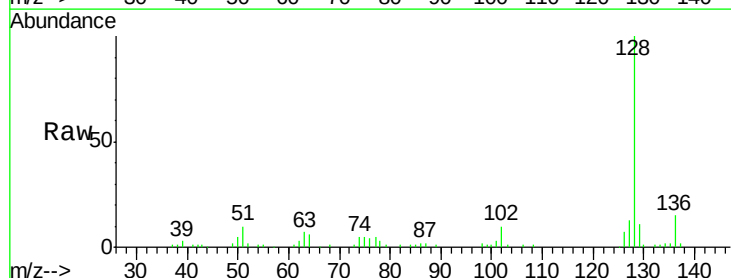


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

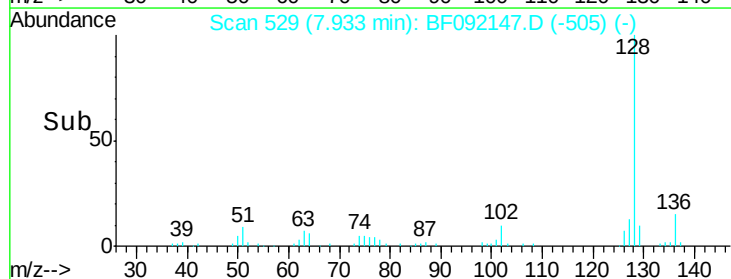
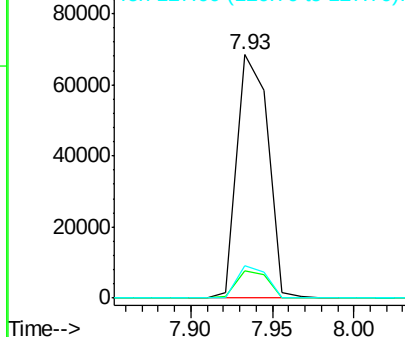


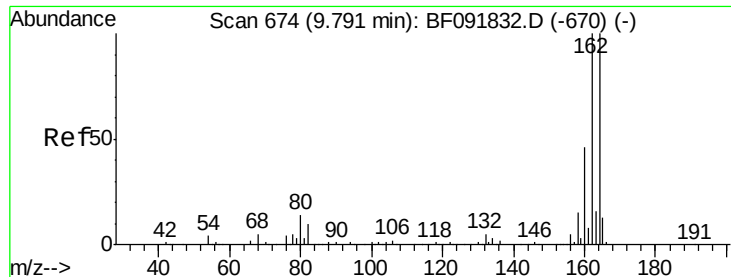
#31
 Naphthalene
 Concen: 2.95 ng
 RT: 7.93 min Scan# 529
 Delta R.T. -0.02 min
 Lab File: BF092147.D
 Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	89531		
129	11.1	9.5	14.3	
127	13.3	10.8	16.2	



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092147.D

Acq: 9 Jan 2017 19:42

Instrument :

BNA_F

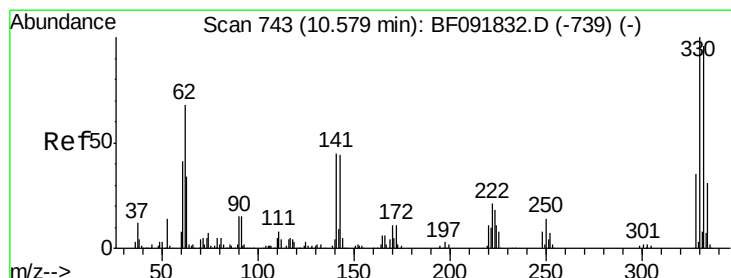
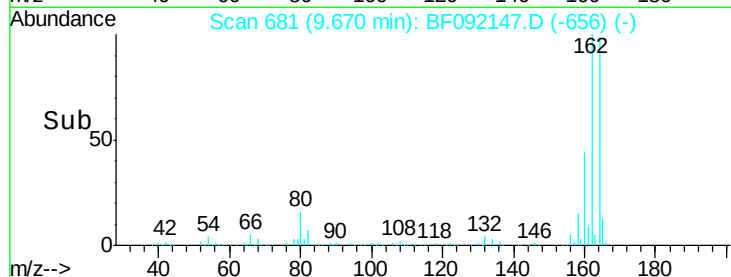
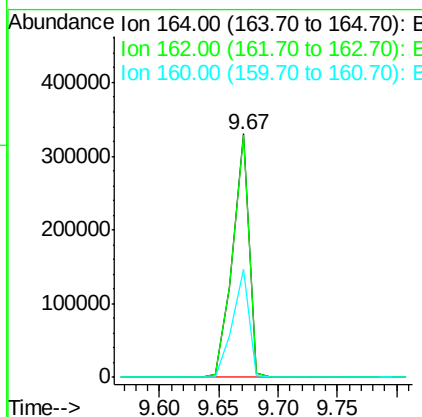
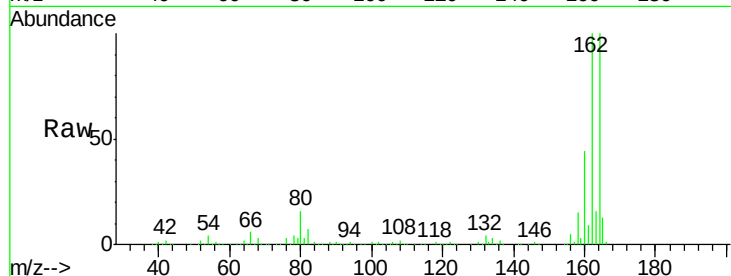
ClientSampleId :

TP4-COMP12

Tgt Ion:	164	Resp:	318851
Ion Ratio	Lower	Upper	
164	100		
162	99.6	80.2	120.2
160	44.1	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 123.23 ng

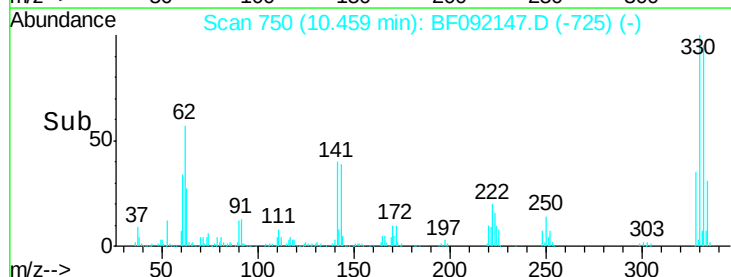
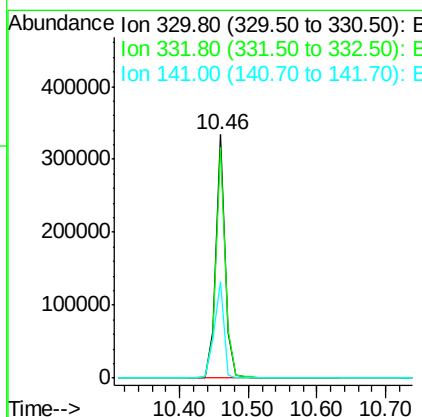
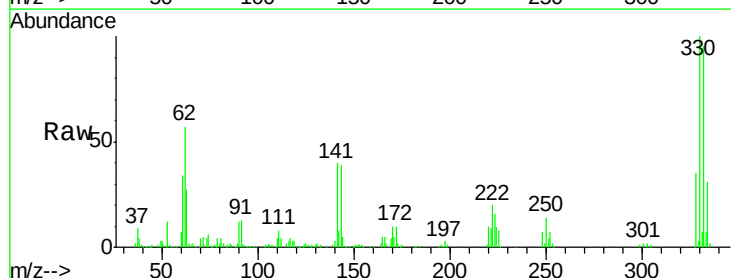
RT: 10.46 min Scan# 750

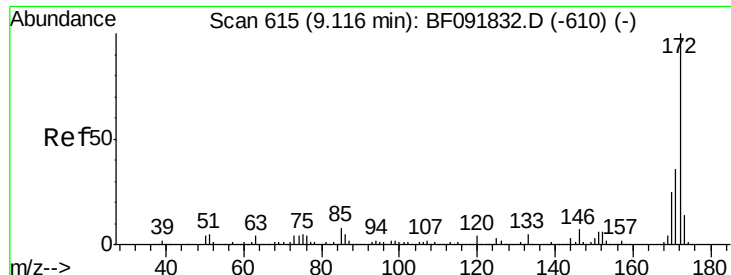
Delta R.T. -0.01 min

Lab File: BF092147.D

Acq: 9 Jan 2017 19:42

Tgt Ion:	330	Resp:	325166
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.4	116.2
141	41.6	34.1	51.1





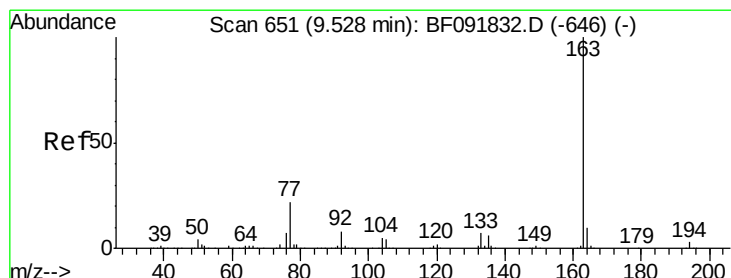
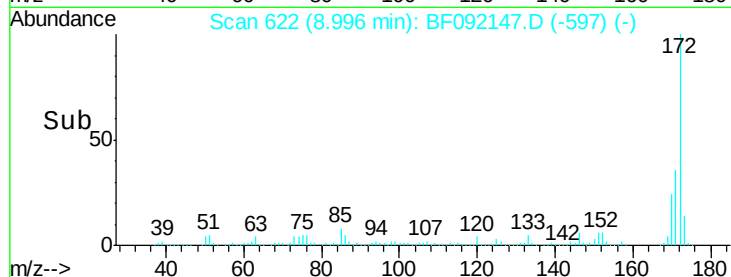
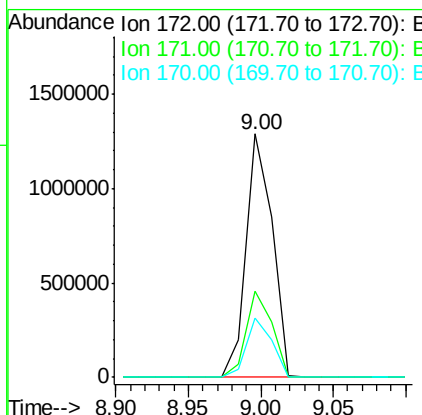
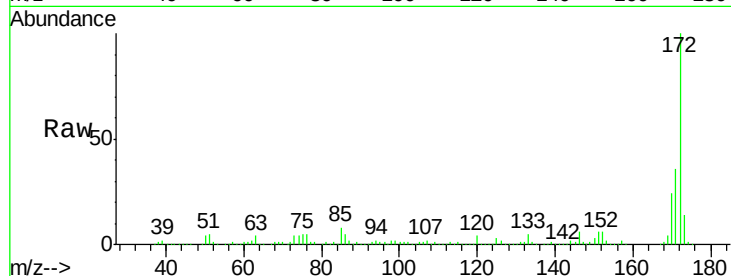
#44
2-Fluorobiphenyl
Concen: 107.15 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Instrument :
BNA_F
ClientSampleId :
TP4-COMP12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.3	20.2	30.4

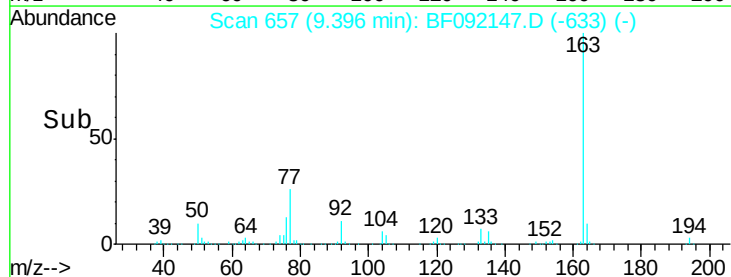
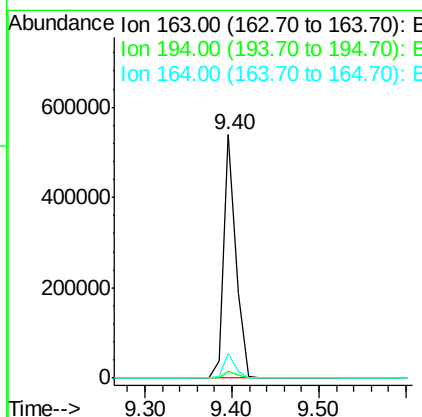
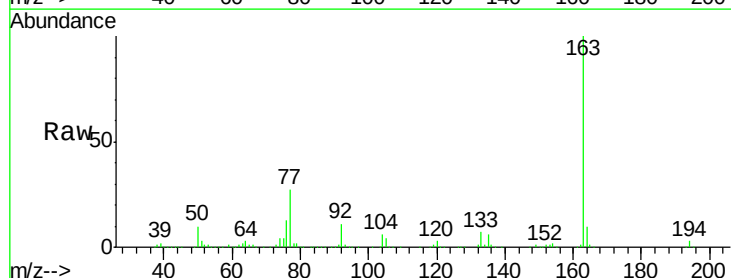
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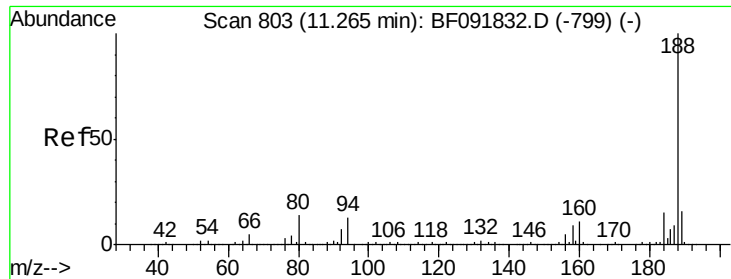
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#49
Dimethylphthalate
Concen: 26.02 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	10.4	8.0	12.0





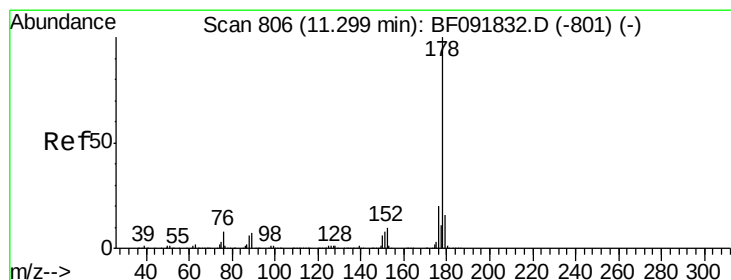
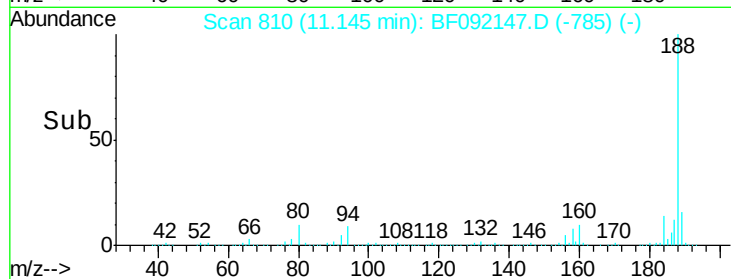
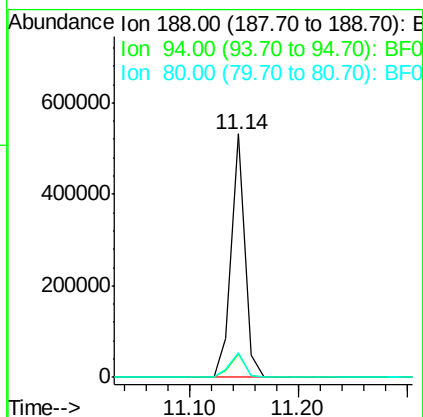
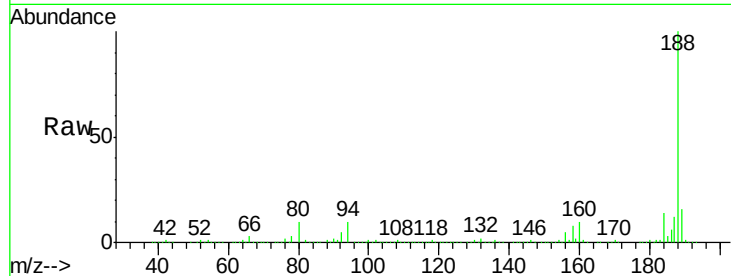
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	460827		
94	9.5	10.0	15.0#	
80	10.1	11.2	16.8#	

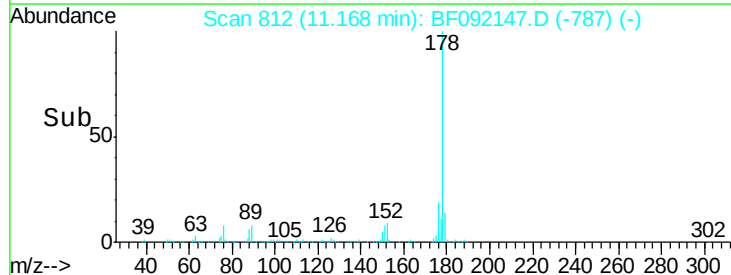
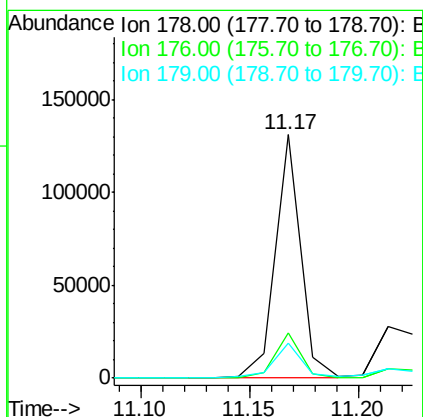
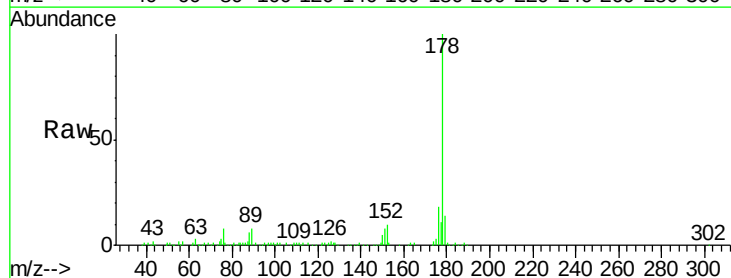
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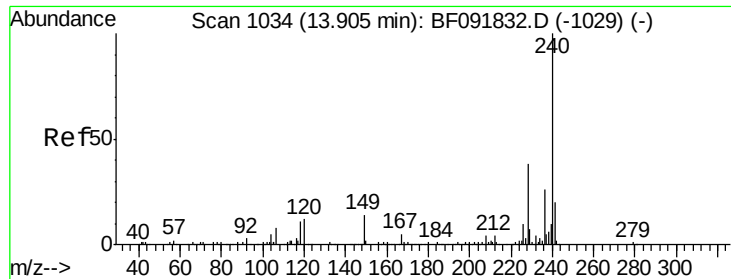
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#70
Phenanthrene
Concen: 4.32 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	107897		
176	18.5	16.6	25.0	
179	14.4	12.8	19.2	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092147.D

Acq: 9 Jan 2017 19:42

Instrument :

BNA_F

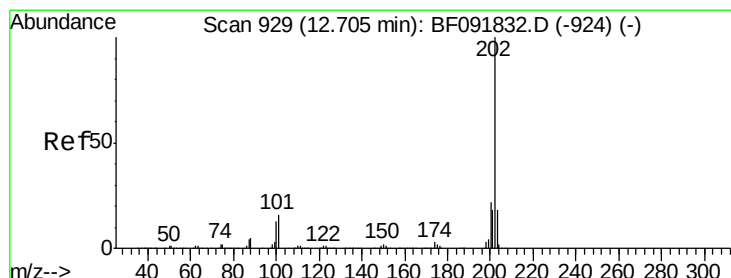
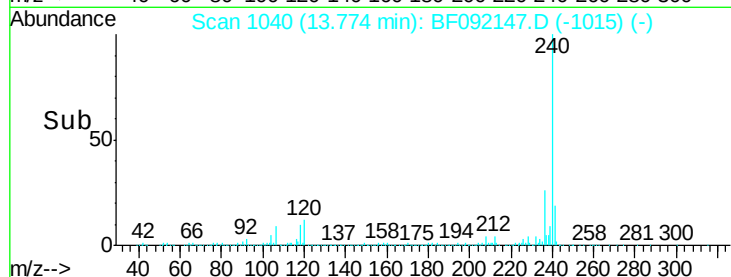
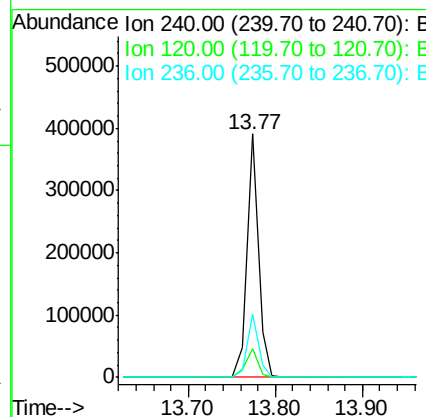
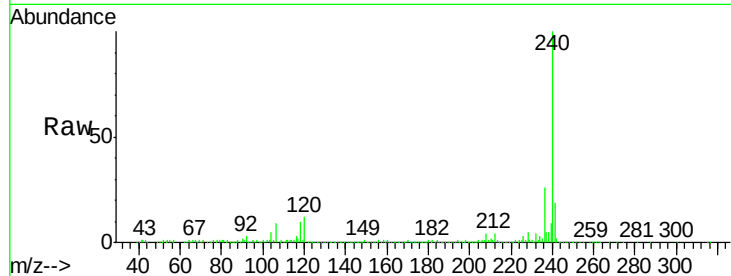
ClientSampleId :

TP4-COMP12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	12.9	19.3#
236	25.8	20.9	31.3

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#77

Pyrene

Concen: 6.27 ng

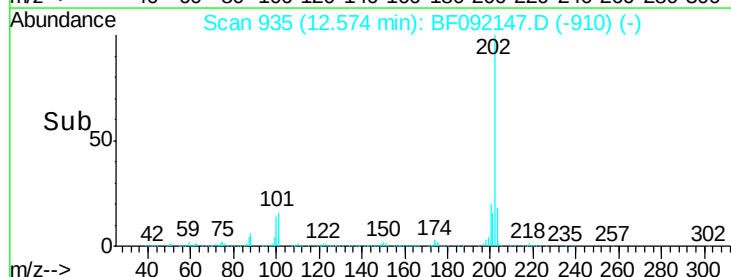
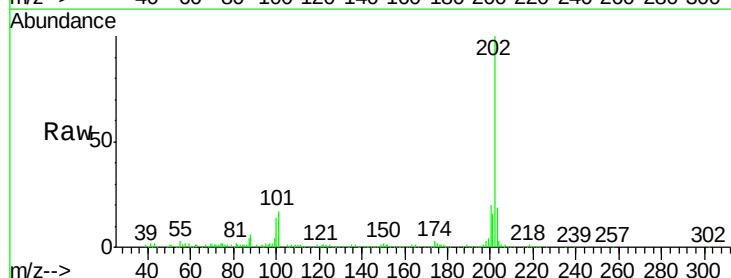
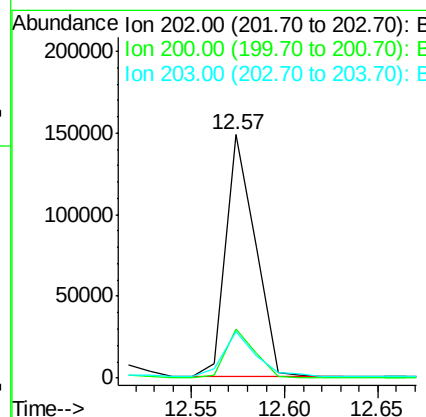
RT: 12.57 min Scan# 935

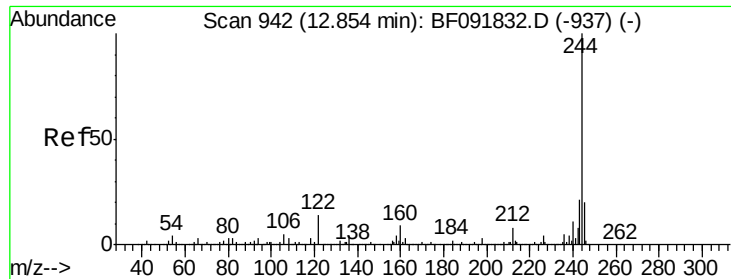
Delta R.T. -0.01 min

Lab File: BF092147.D

Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.7	26.5
203	19.1	14.7	22.1





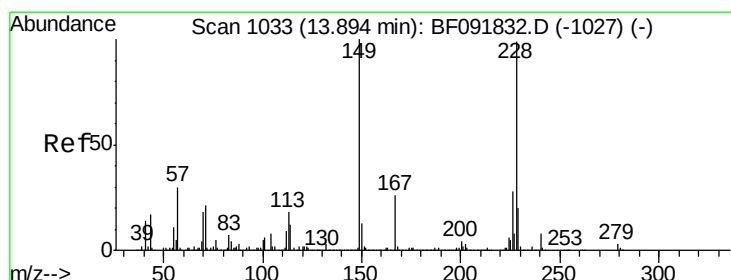
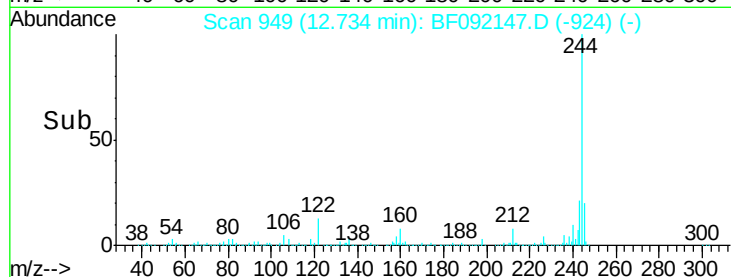
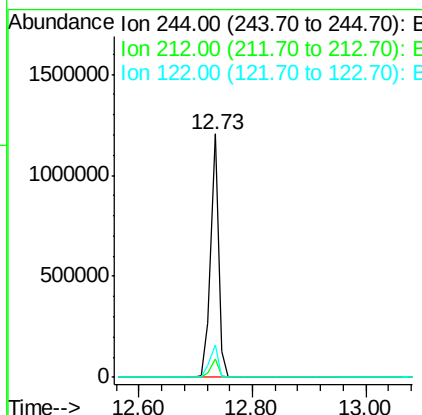
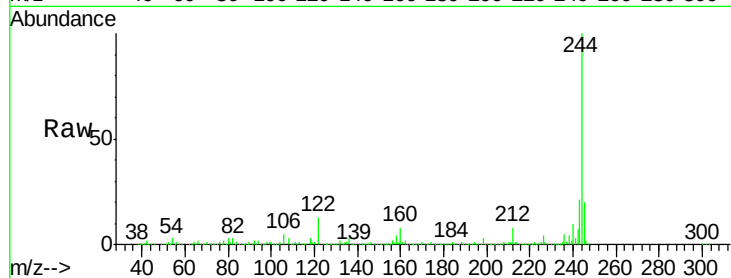
#78
 Terphenyl-d14
 Concen: 75.85 ng
 RT: 12.73 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF092147.D
 Acq: 9 Jan 2017 19:42

Instrument :
 BNA_F
 ClientSampleId :
 TP4-COMP12

Tgt Ion:244 Resp: 1117912
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 13.3 11.4 17.2

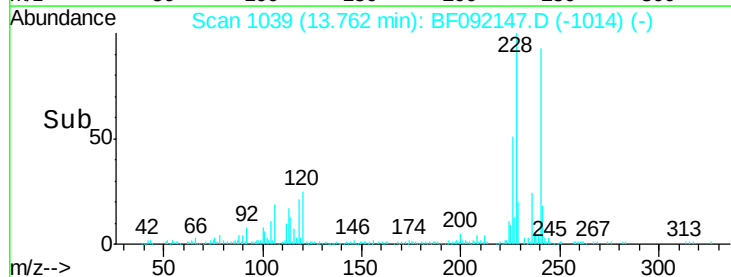
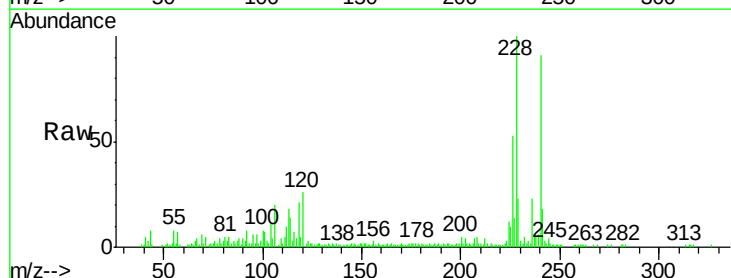
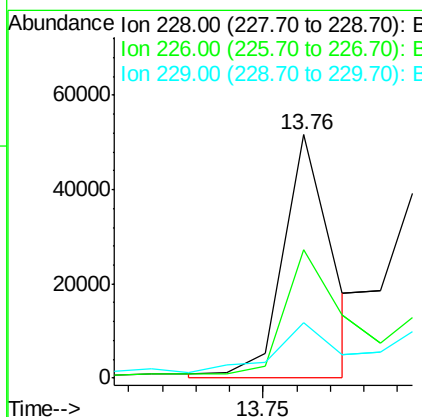
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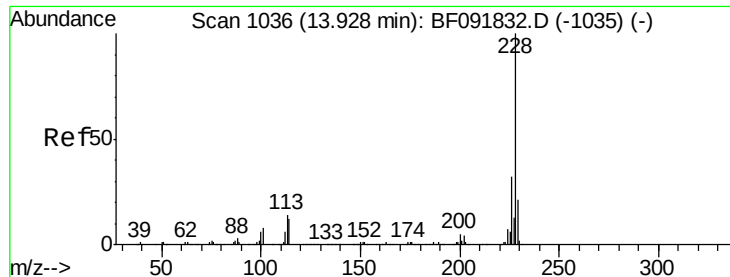
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#80
 Benzo(a)anthracene
 Concen: 2.58 ng m
 RT: 13.76 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF092147.D
 Acq: 9 Jan 2017 19:42

Tgt Ion:228 Resp: 52069
 Ion Ratio Lower Upper
 228 100
 226 52.5 22.4 33.6#
 229 22.9 16.2 24.4





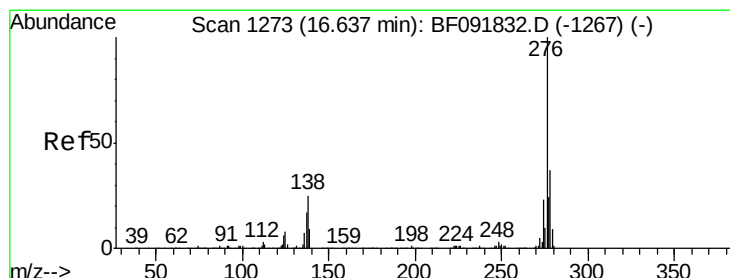
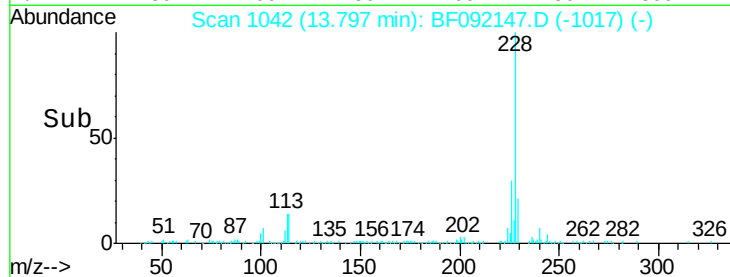
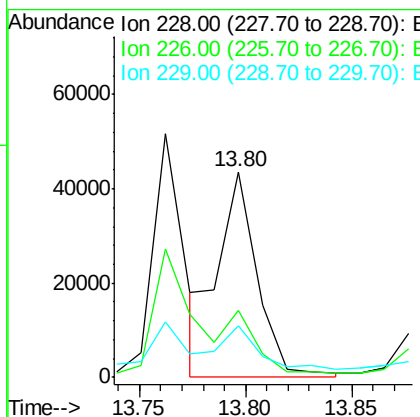
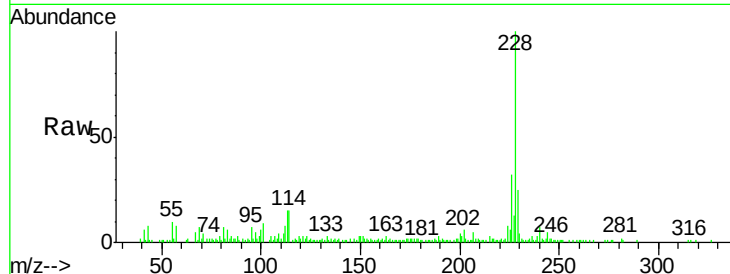
#82
Chrysene
Concen: 2.75 ng m
RT: 13.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Instrument :
BNA_F
ClientSampleId :
TP4-COMP12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.4	38.0
229	25.0	16.2	24.2

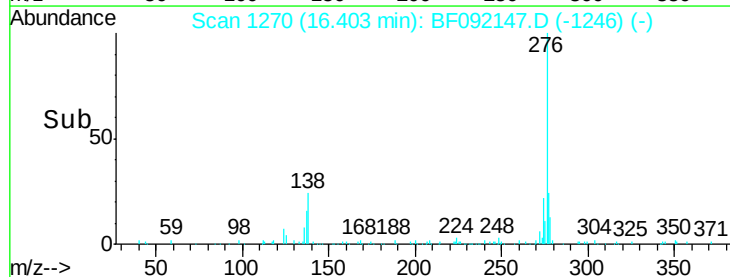
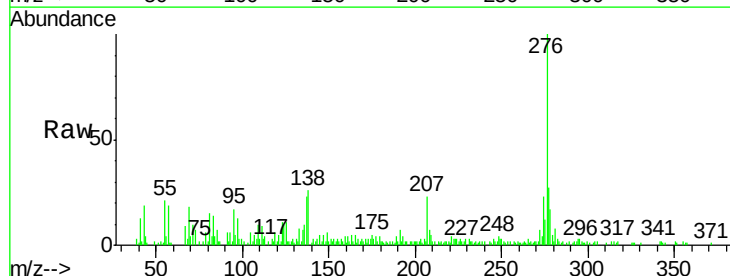
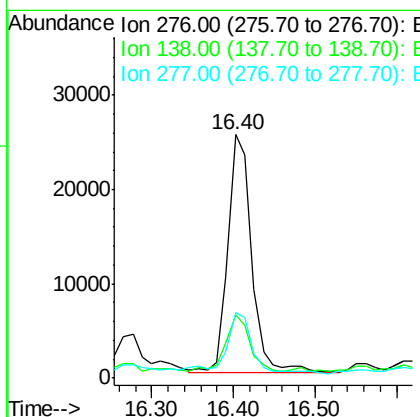
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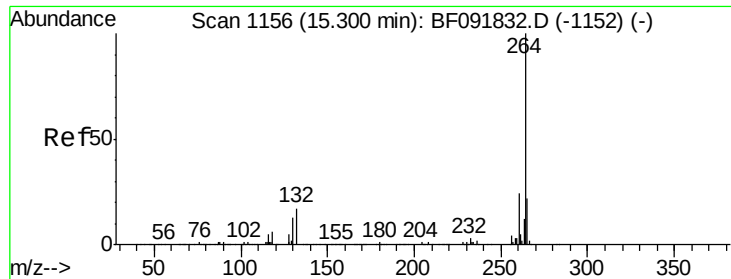
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.93 ng
RT: 16.40 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.8	32.6
277	24.8	20.2	30.4





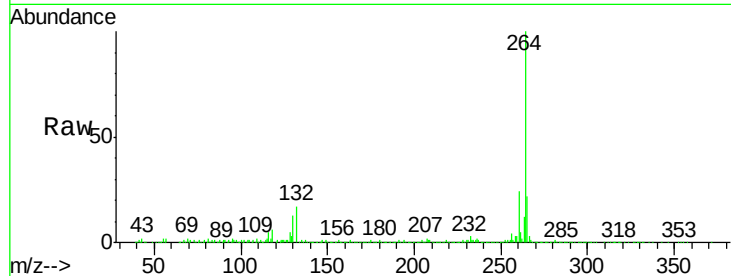
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Instrument :
BNA_F
ClientSampleId :
TP4-COMP12

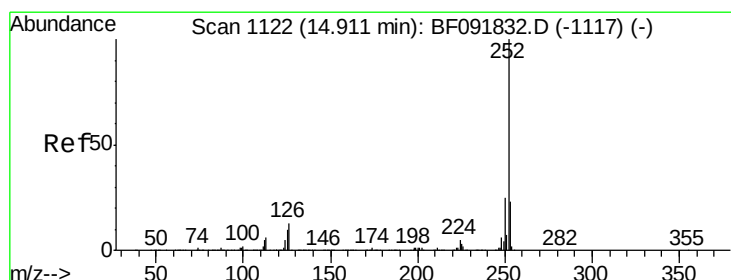
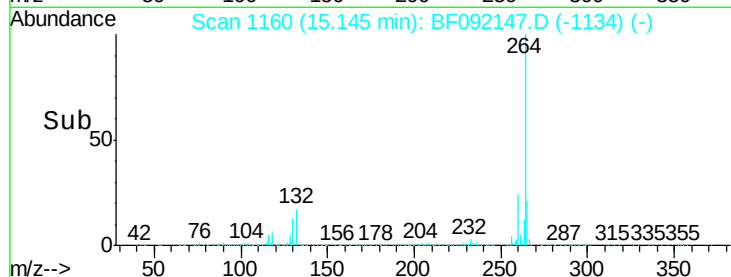
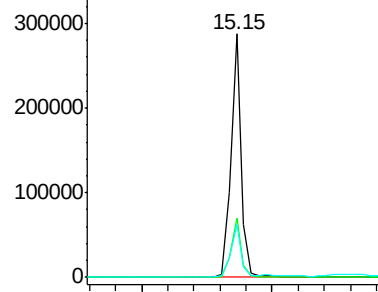
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	319964		
260	24.1	19.2	28.8	
265	21.7	17.4	26.0	

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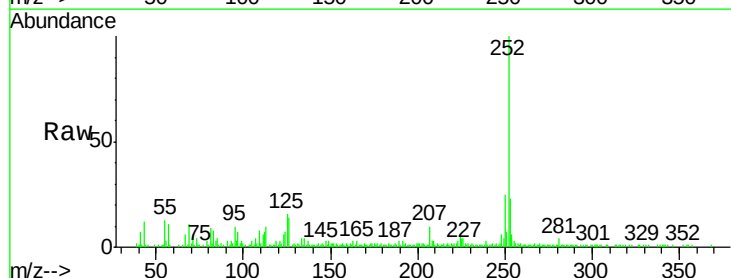


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

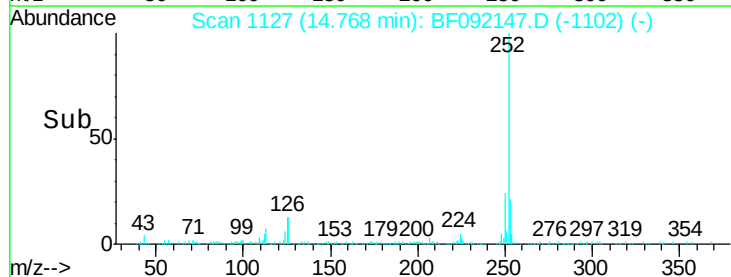
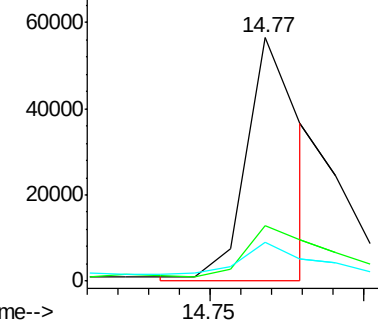


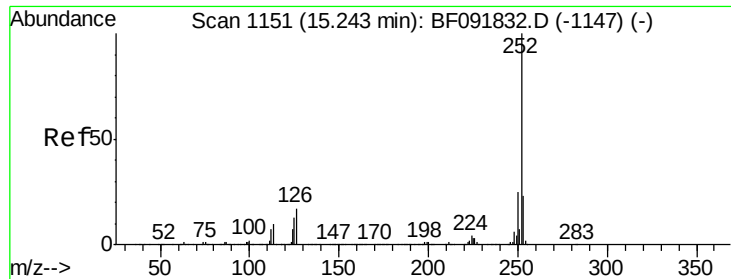
#87
Benzo(b)fluoranthene
Concen: 3.50 ng m
RT: 14.77 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69795		
253	22.8	18.2	27.4	
125	15.8	9.8	14.6#	



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





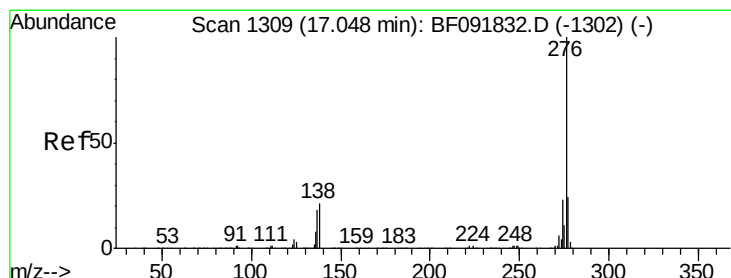
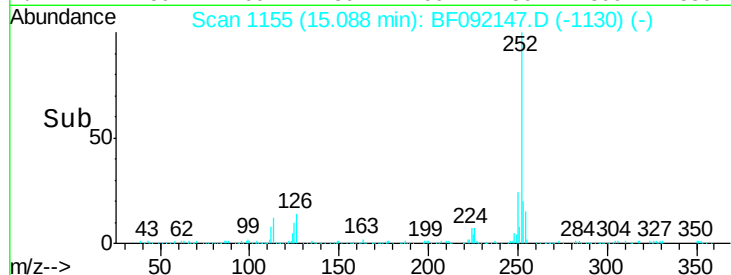
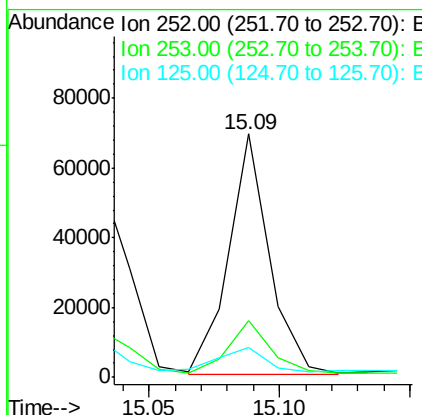
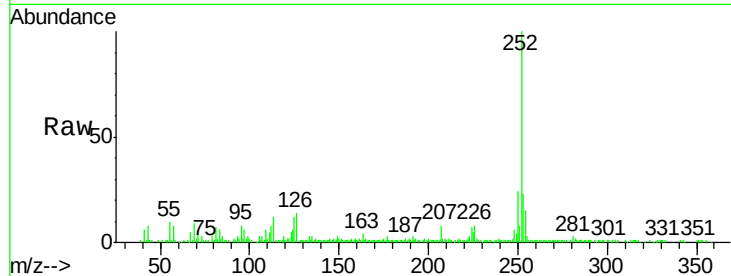
#89
Benzo(a)pyrene
Concen: 4.26 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Instrument :
BNA_F
ClientSampleId :
TP4-COMP12

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	18.2	27.2
125	12.3	10.0	15.0

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#91
Benzo(g,h,i)perylene
Concen: 5.11 ng
RT: 16.79 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF092147.D
Acq: 9 Jan 2017 19:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.7	19.2	28.8
138	23.6	16.0	24.0

