

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096469.D
 Acq On : 4 Jul 2017 5:31
 Operator : SJ/MA
 Sample : I4029-01 25X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P4-SSW

Manual Integrations
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mohammad
 7/5/2017 11:42:22 AM

Quant Time: Jul 04 07:49:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	91310	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	332862	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	137800	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	239603	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	193852	20.00	ng	-0.01
86) Perylene-d12	15.28	264	124040	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	25576	4.13	ng	-0.02
7) Phenol-d6	6.36	99	31765	4.18	ng	-0.02
23) Nitrobenzene-d5	7.27	82	10951	1.98	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	3218	2.99	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	21227	2.63	ng	-0.02
78) Terphenyl-d14	12.82	244	18476	2.04	ng	-0.01
Target Compounds						
70) Phenanthrene	11.26	178	63222	4.881	ng	97
74) Fluoranthene	12.44	202	239426	18.854	ng	96
77) Pyrene	12.67	202	204428	13.138	ng	99
80) Benzo(a)anthracene	13.86	228	105851	9.429	ng	98
82) Chrysene	13.89	228	89465	7.610	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	41856	4.511	ng	98
87) Benzo(b)fluoranthene	14.88	252	100327m	12.908	ng	
88) Benzo(k)fluoranthene	14.90	252	25507m	3.669	ng	
89) Benzo(a)pyrene	15.22	252	72754	10.485	ng	96
91) Benzo(g,h,i)perylene	17.05	276	42076	7.438	ng	96

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

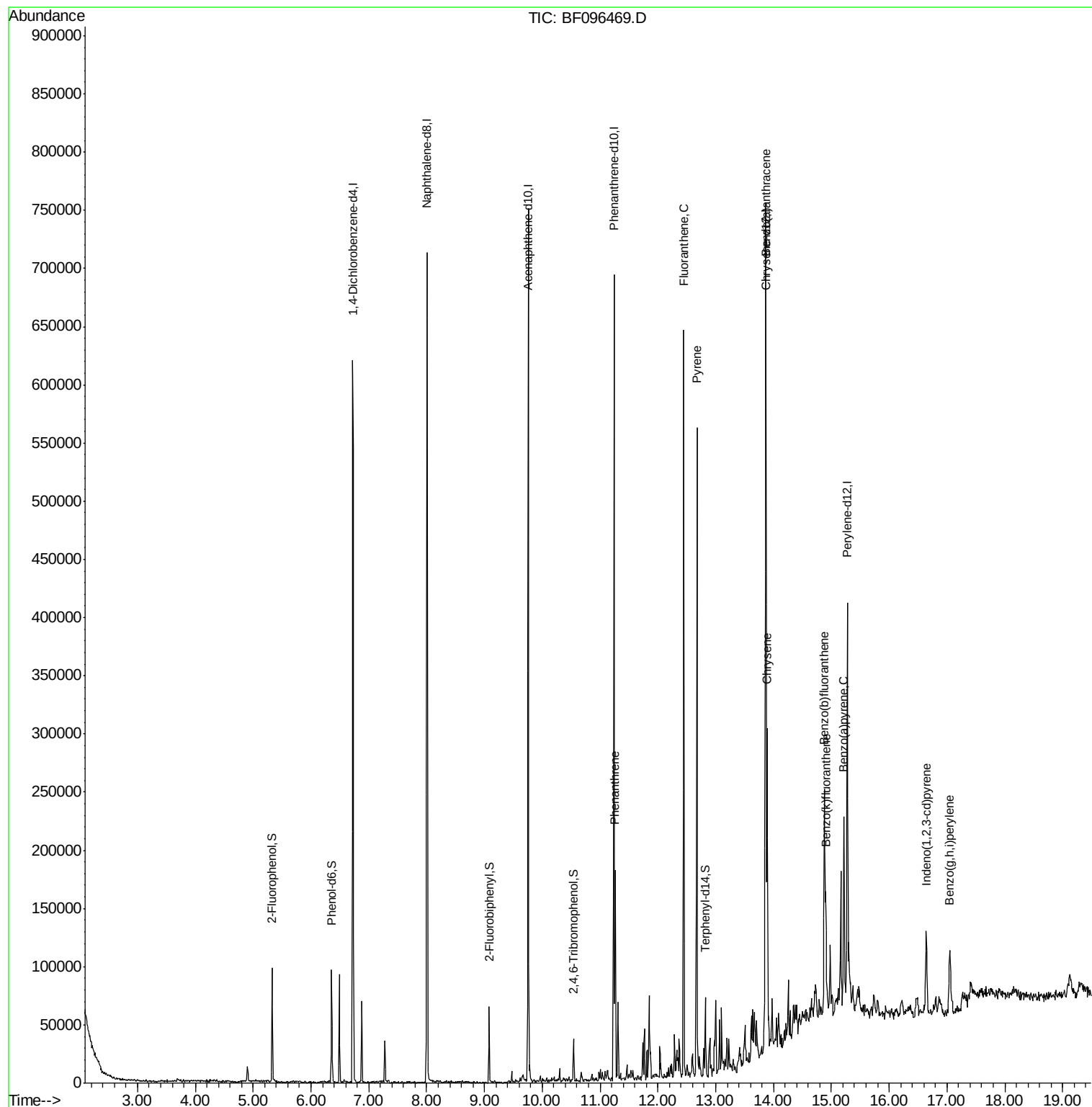
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096469.D
Acq On : 4 Jul 2017 5:31
Operator : SJ/MA
Sample : I4029-01 25X
Misc :
ALS Vial : 38 Sample Multiplier: 1

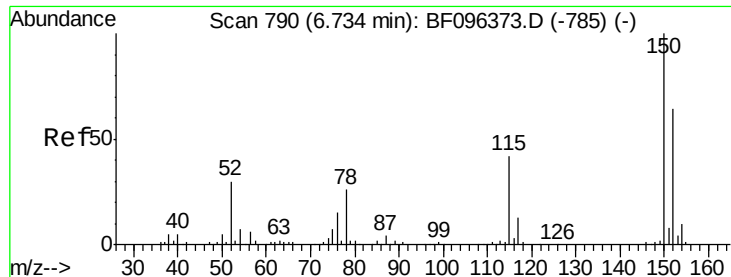
Instrument :
BNA_F
ClientSampleID :
E2-P4-SSW

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#1

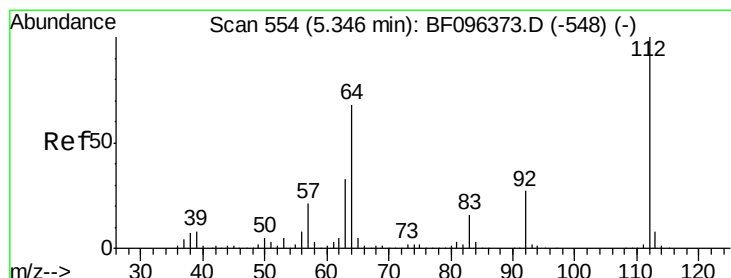
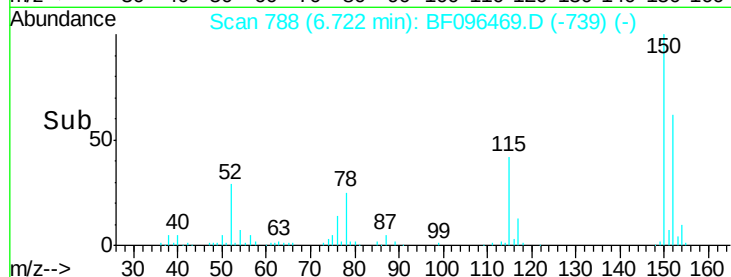
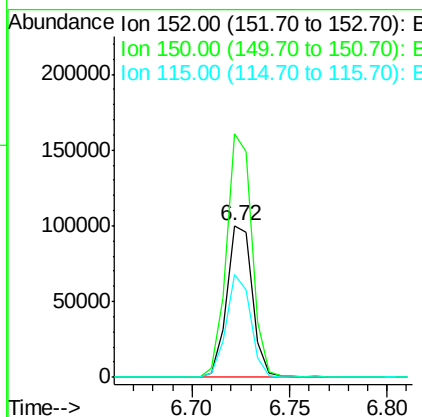
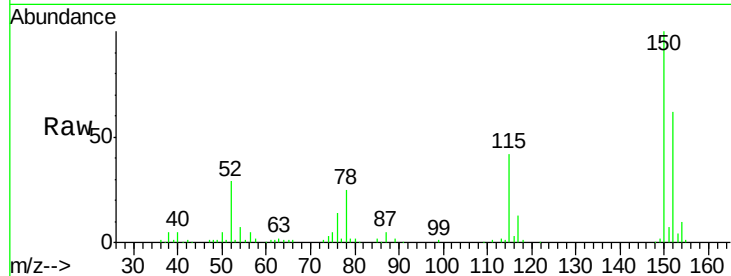
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-P4-SSW

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	67.9	52.2	78.2

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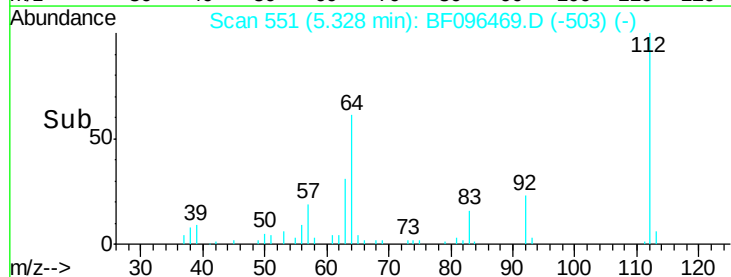
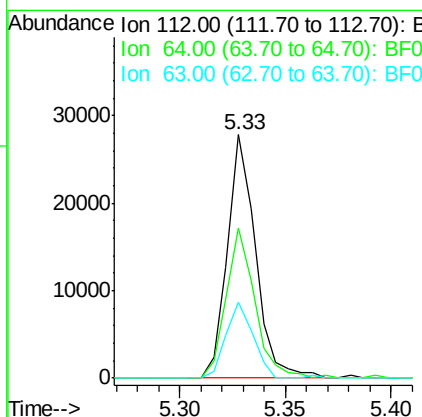
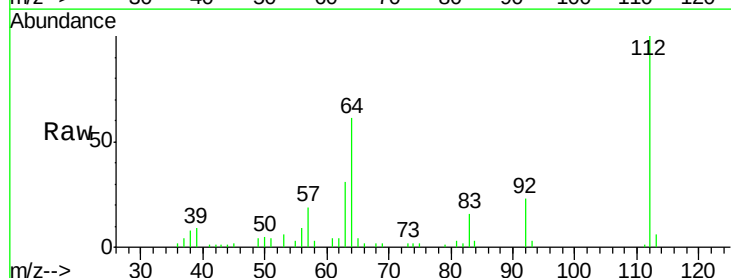
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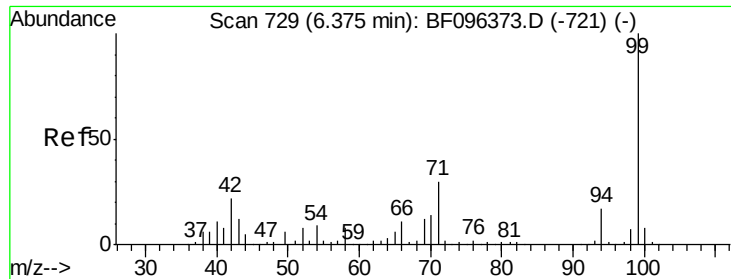


#5

2-Fluorophenol
Concen: 4.134 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	46.0	69.0
63	31.3	23.4	35.0





#7

Phenol-d6

Concen: 4.177 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Instrument :

BNA_F

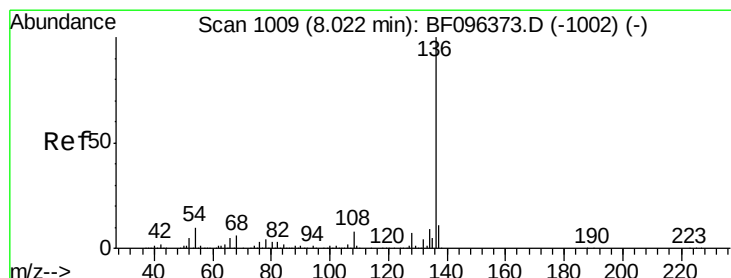
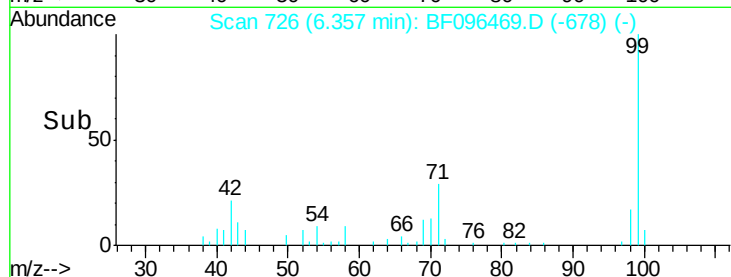
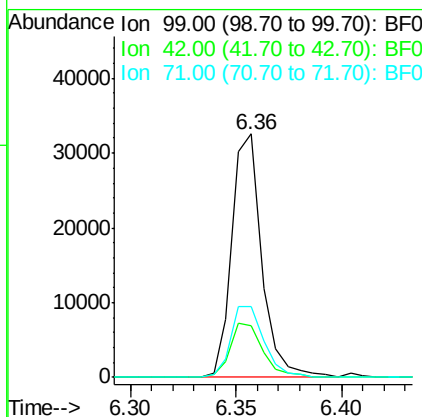
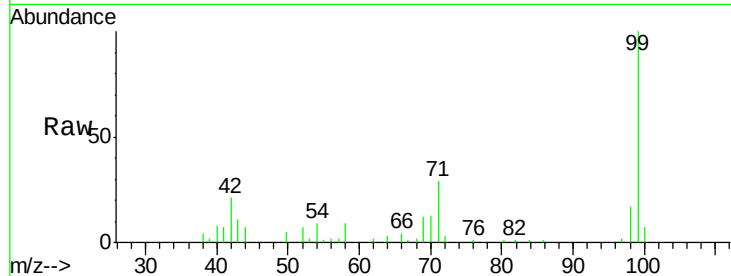
ClientSampleId :

E2-P4-SSW

Tgt Ion:	99	Resp:	31765
Ion Ratio	Lower	Upper	
99	100		
42	21.0	13.5	20.3#
71	29.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

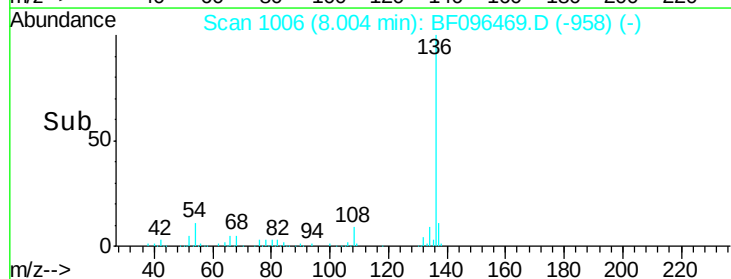
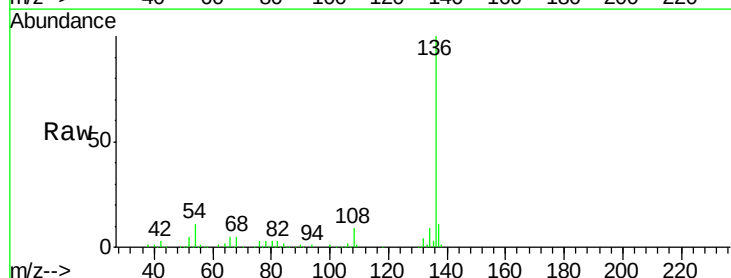
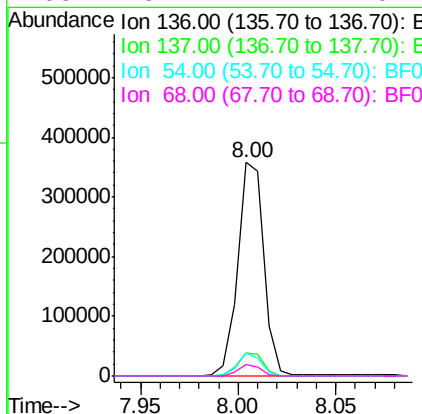
RT: 8.00 min Scan# 1006

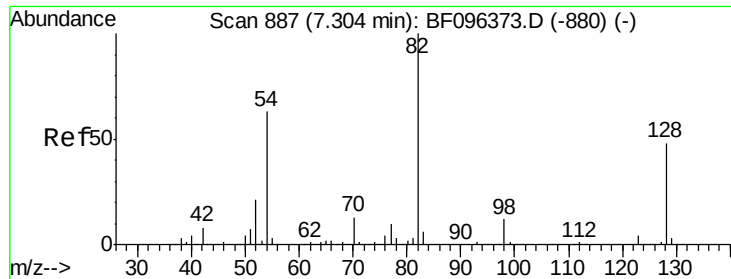
Delta R.T. -0.02 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Tgt Ion:	136	Resp:	332862
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.8	4.9	7.3#
68	5.4	4.1	6.1





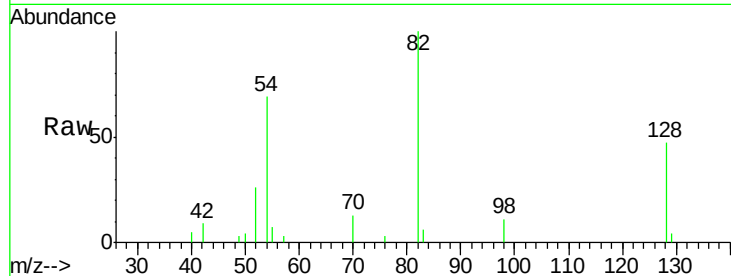
#23
Nitrobenzene-d5
Concen: 1.977 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-P4-SSW

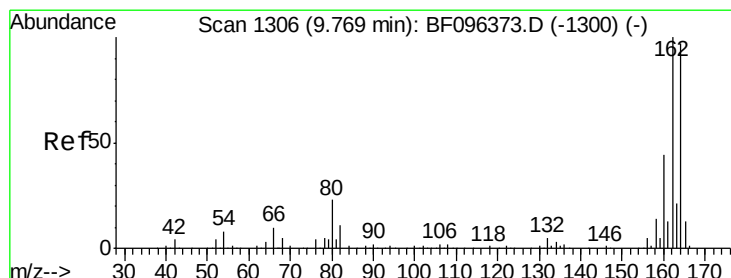
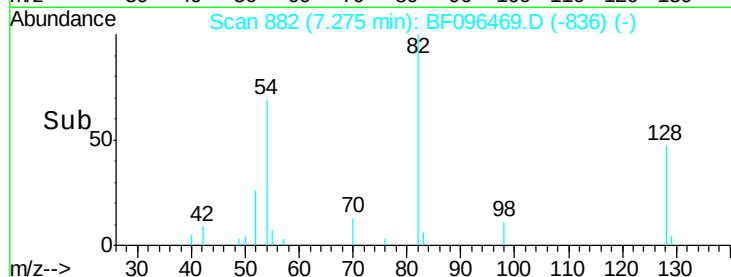
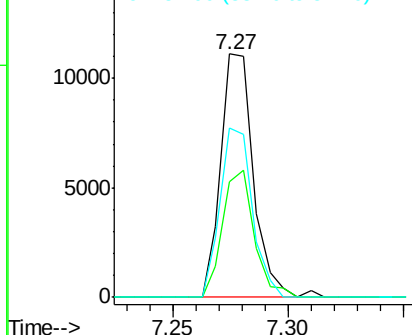
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	10951		
128	47.4	34.0	51.0	
54	69.4	42.2	63.2	

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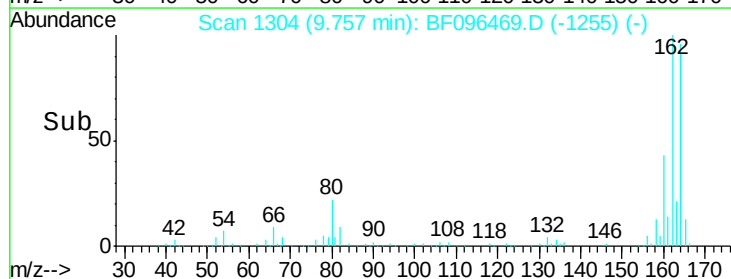
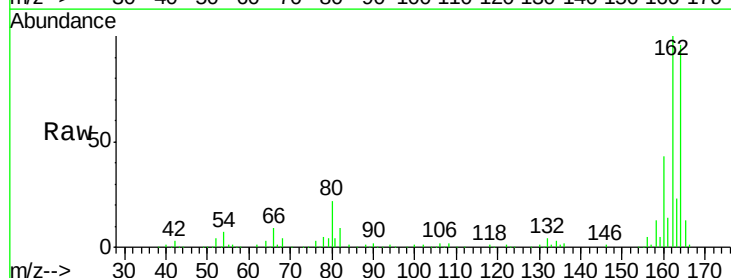
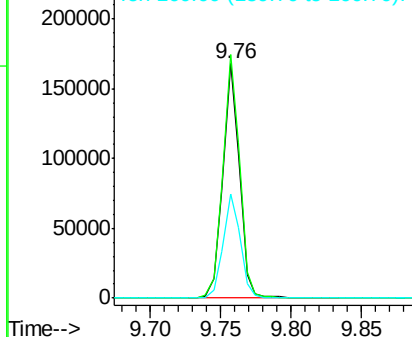
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

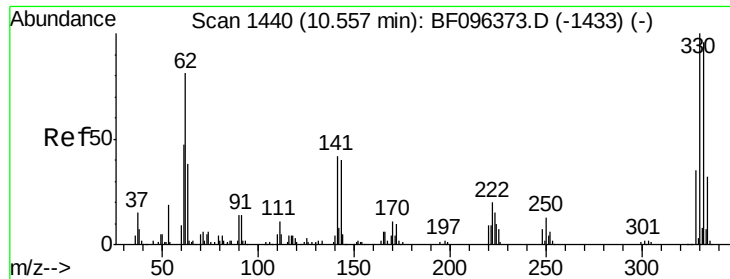


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	137800		
162	103.8	82.6	123.8	
160	44.2	36.2	54.2	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





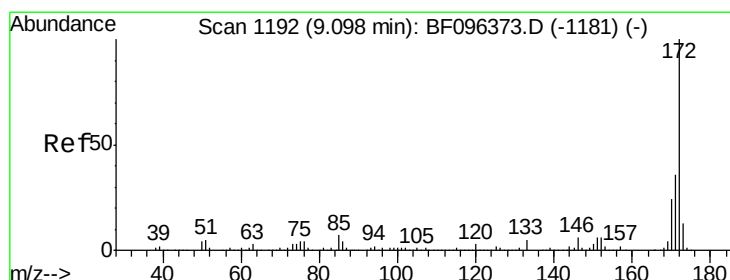
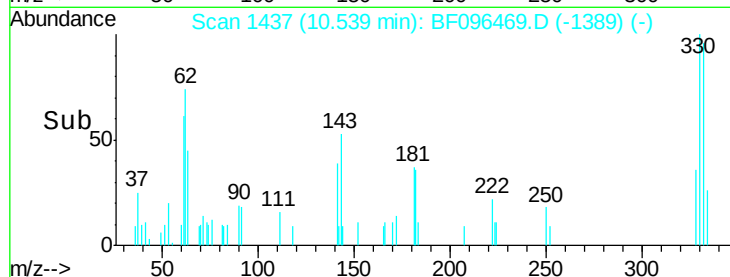
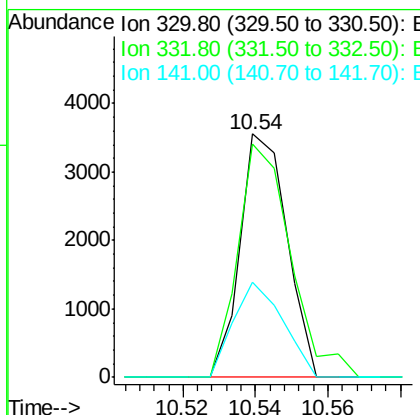
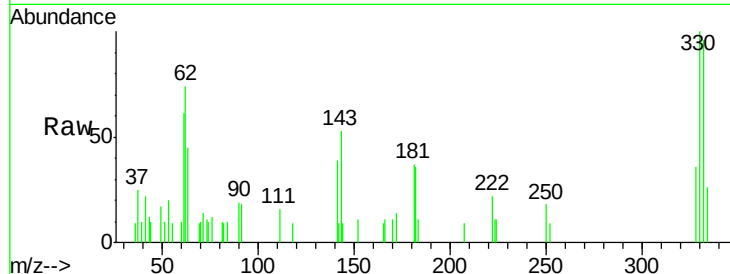
#41
 2,4,6-Tribromophenol
 Concen: 2.990 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096469.D
 Acq: 4 Jul 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-P4-SSW

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	3218		
332	107.8		76.6	115.0
141	41.1		31.4	47.2

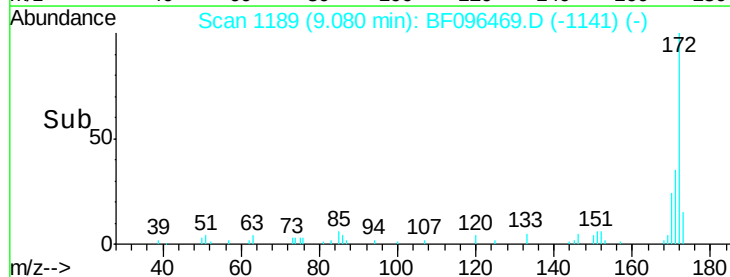
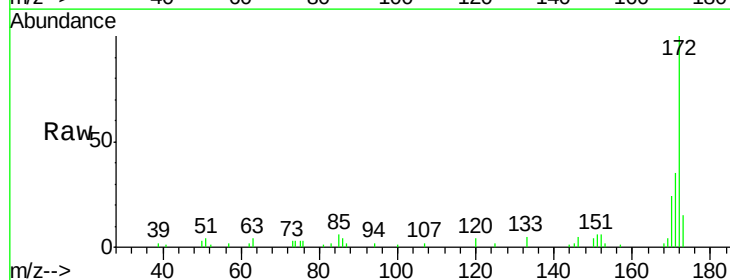
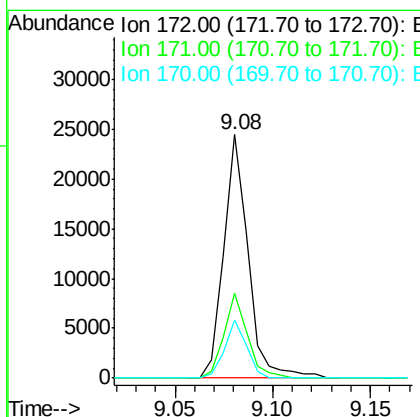
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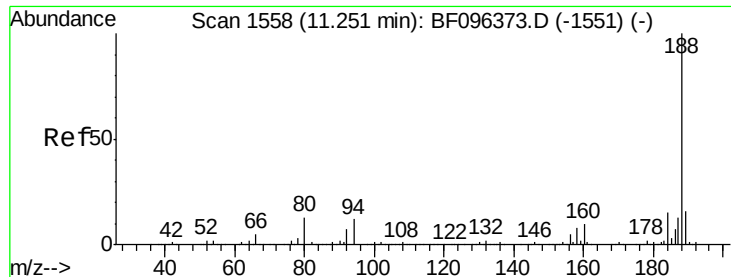
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#44
 2-Fluorobiphenyl
 Concen: 2.634 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096469.D
 Acq: 4 Jul 2017 5:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	21227		
171	35.0		29.6	44.4
170	24.1		19.8	29.8





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Instrument :

BNA_F

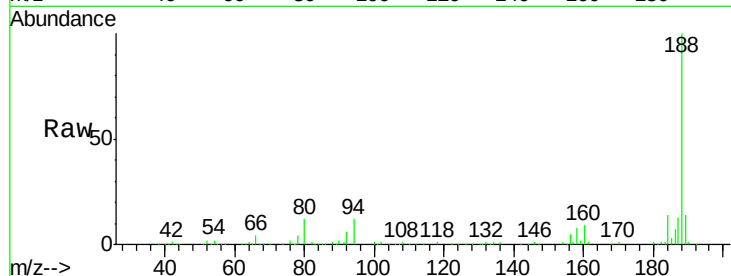
ClientSampleId :

E2-P4-SSW

Tgt Ion:	188	Resp:	239603
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.4	14.2
80	11.9	10.2	15.2

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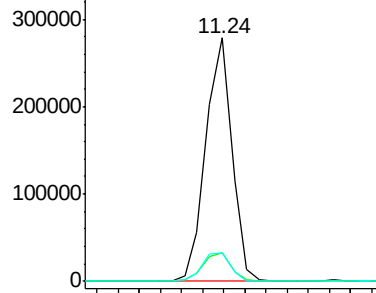
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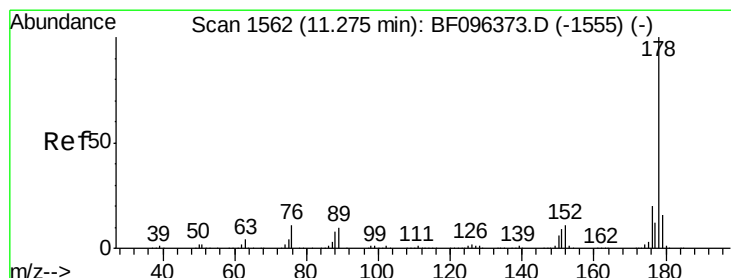
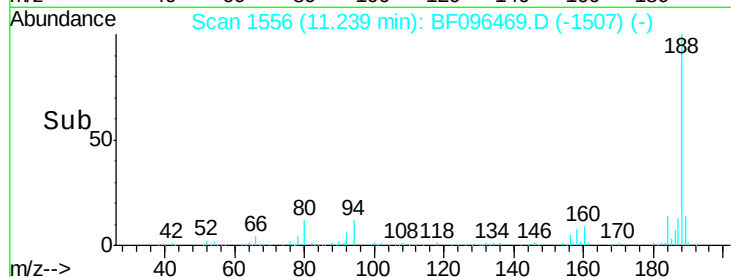
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 4.881 ng

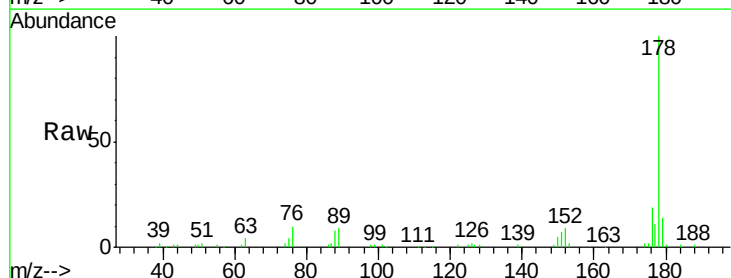
RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

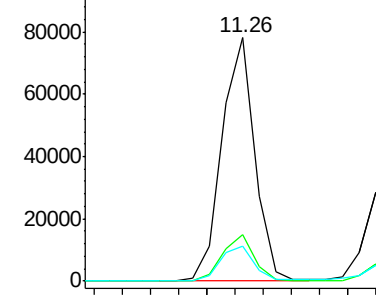
Tgt Ion:	178	Resp:	63222
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	14.3	12.6	19.0



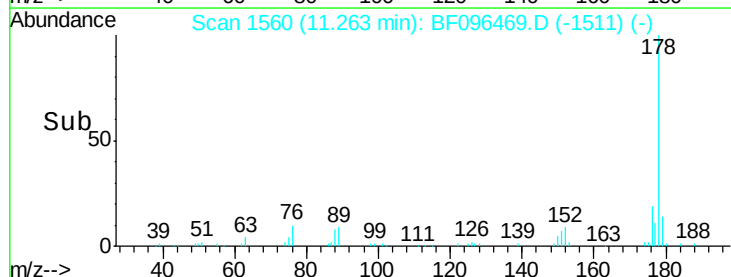
Abundance Ion 178.00 (177.70 to 178.70): E

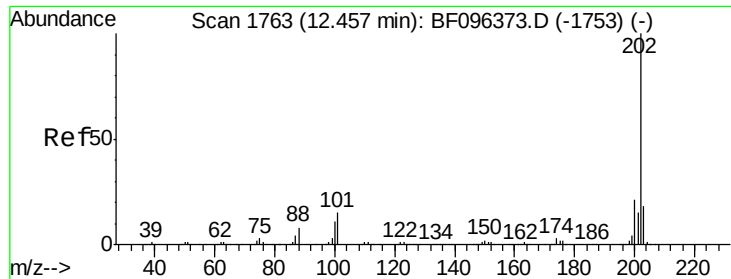
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 18.854 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Instrument :

BNA_F

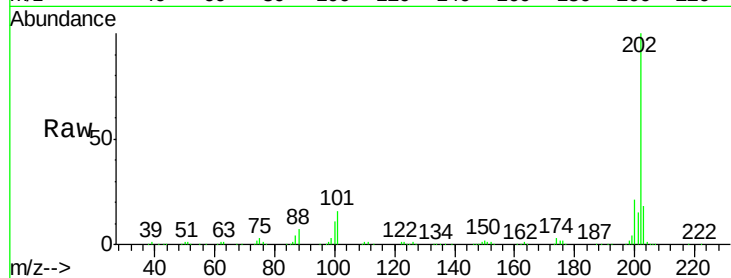
ClientSampleId :

E2-P4-SSW

Tgt Ion:	202	Resp:	239426
Ion Ratio		Lower	Upper
202	100		
101	16.3	0.0	33.2
203	17.7	0.0	38.1

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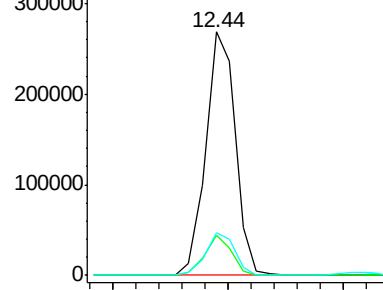
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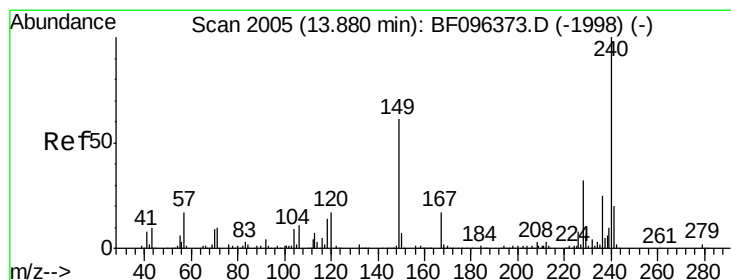
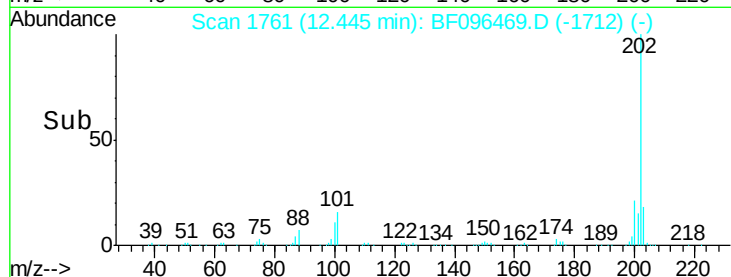
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

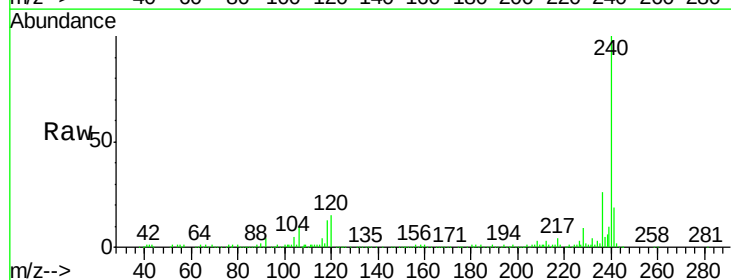
RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

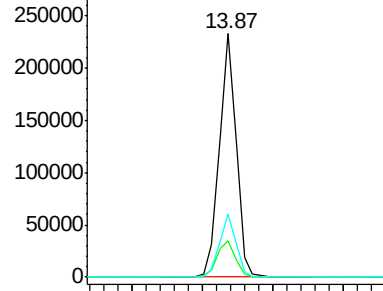
Tgt Ion:	240	Resp:	193852
Ion Ratio		Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	26.2	20.5	30.7



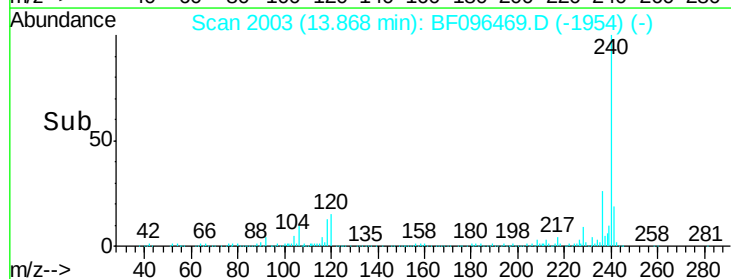
Abundance Ion 240.00 (239.70 to 240.70): E

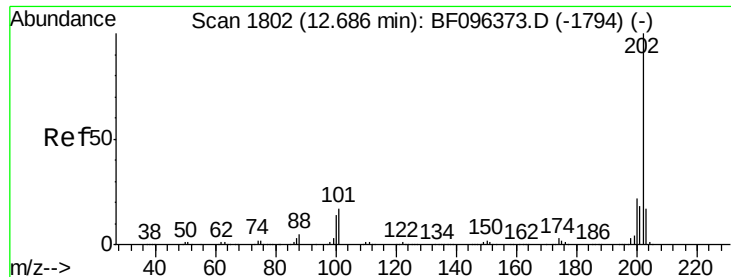
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 13.138 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Instrument :

BNA_F

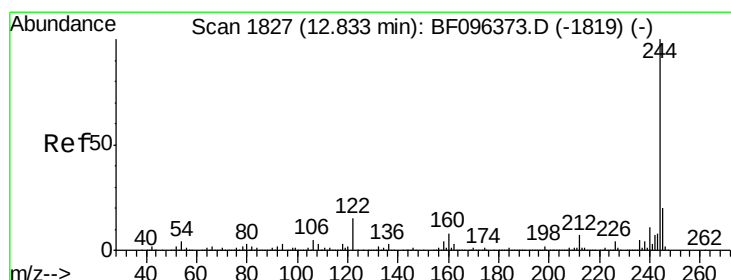
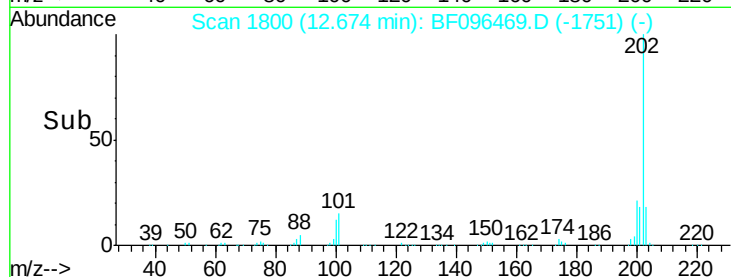
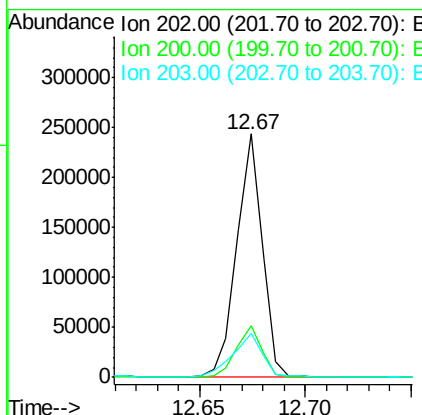
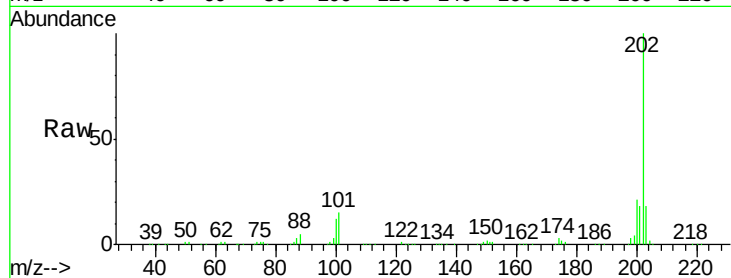
ClientSampleId :

E2-P4-SSW

Tgt Ion:	202	Resp:	204428
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	17.8	14.4	21.6

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#78

Terphenyl-d14

Concen: 2.037 ng

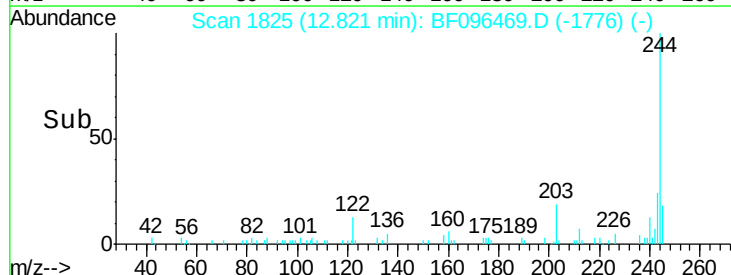
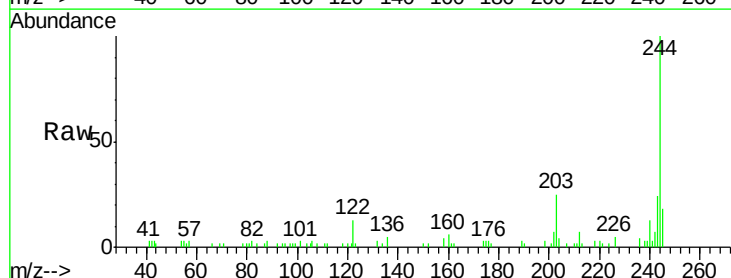
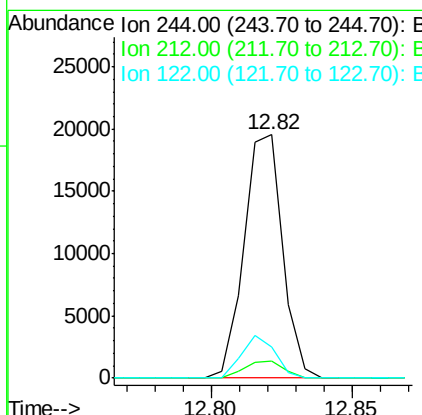
RT: 12.82 min Scan# 1825

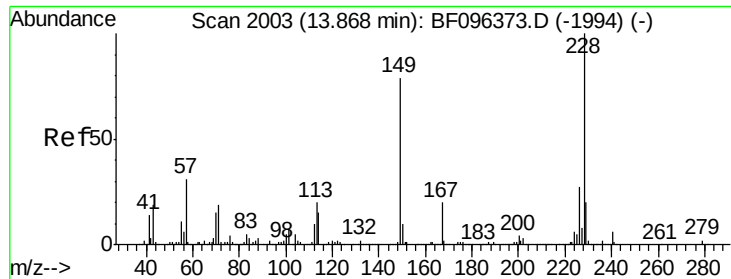
Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Tgt Ion:	244	Resp:	18476
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	13.0	10.3	15.5





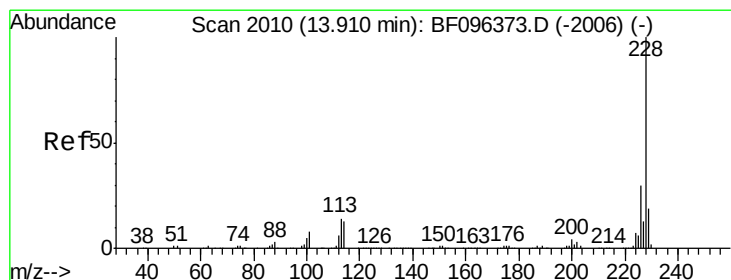
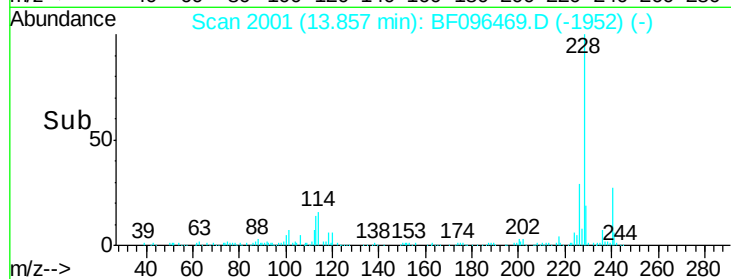
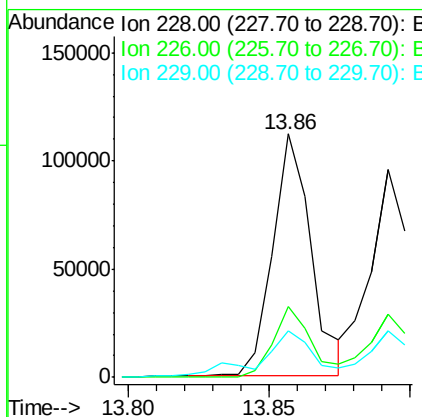
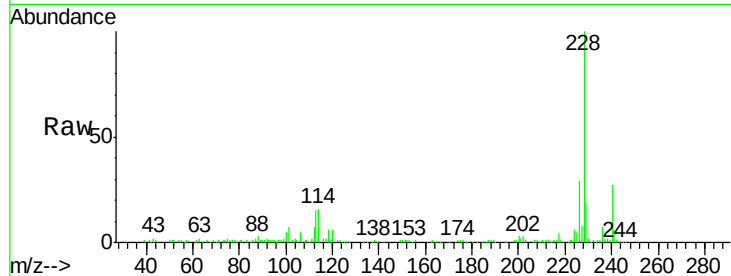
#80
Benzo(a)anthracene
Concen: 9.429 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-P4-SSW

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	19.2	16.3	24.5

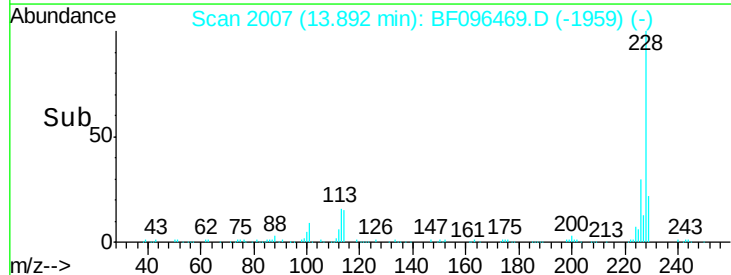
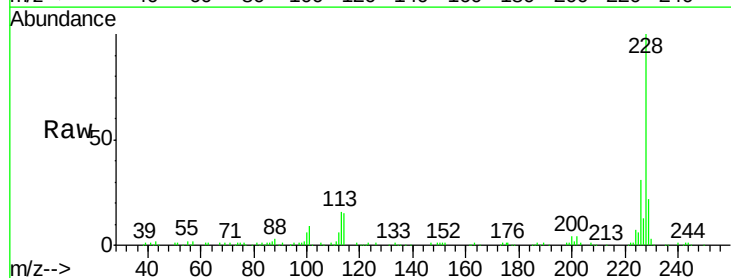
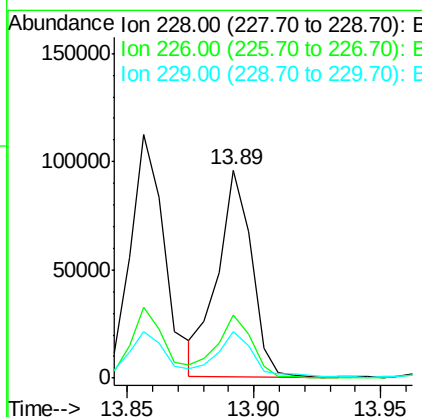
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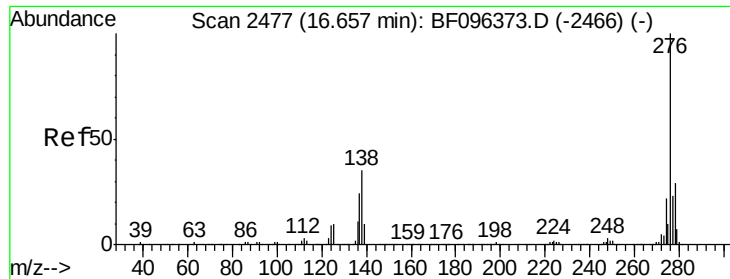
mohammad
7/5/2017 11:42:22 AM



#82
Chrysene
Concen: 7.610 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.4	15.8	23.6





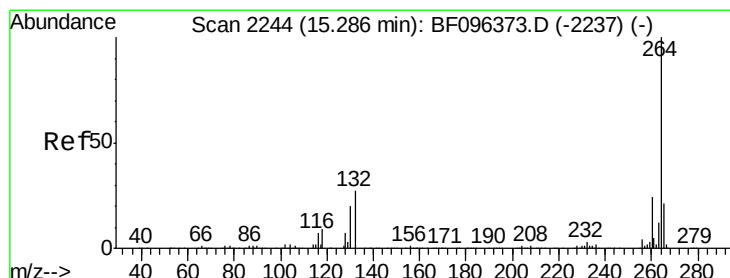
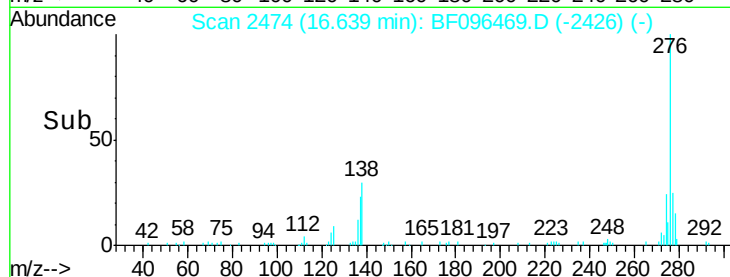
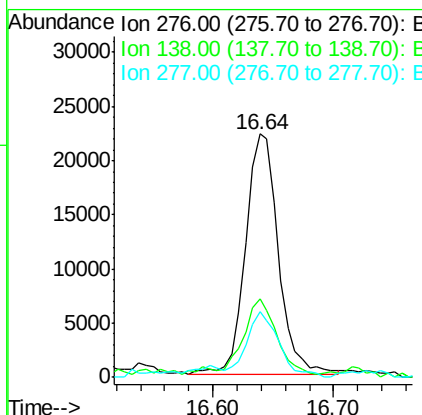
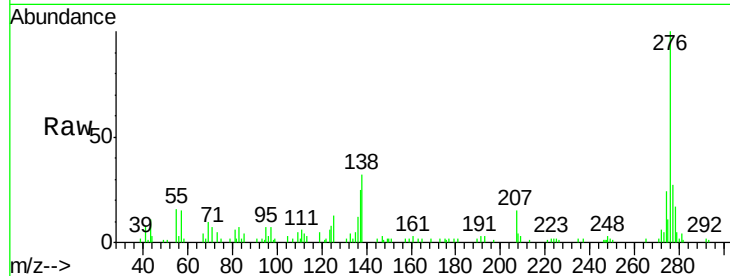
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.511 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. -0.02 min
 Lab File: BF096469.D
 Acq: 4 Jul 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-P4-SSW

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.6	27.8	41.6
277	27.1	20.2	30.4

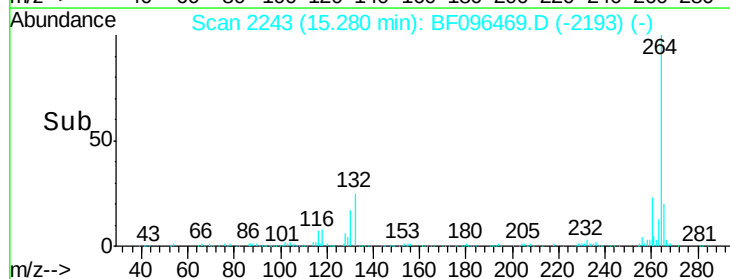
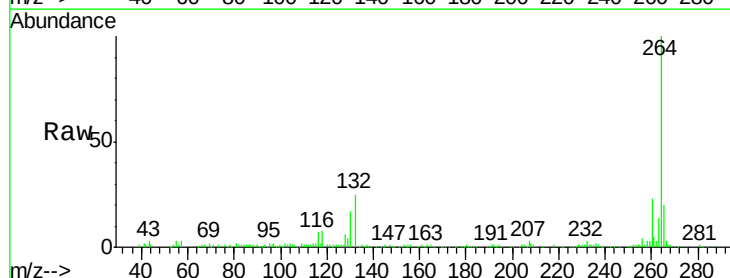
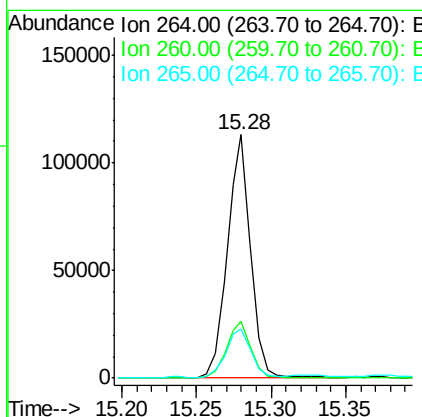
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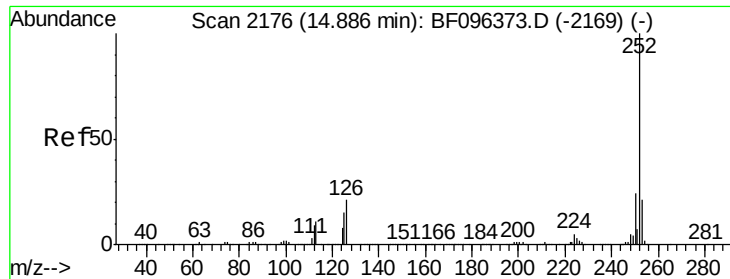
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF096469.D
 Acq: 4 Jul 2017 5:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.908 ng m

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Instrument :

BNA_F

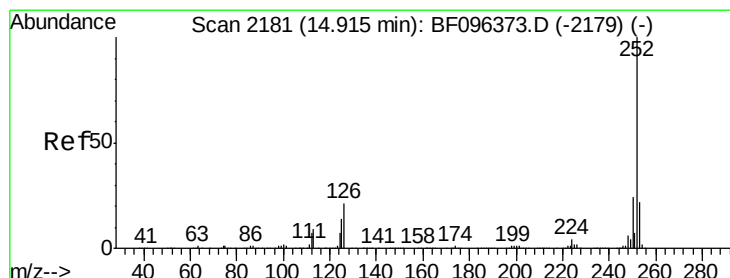
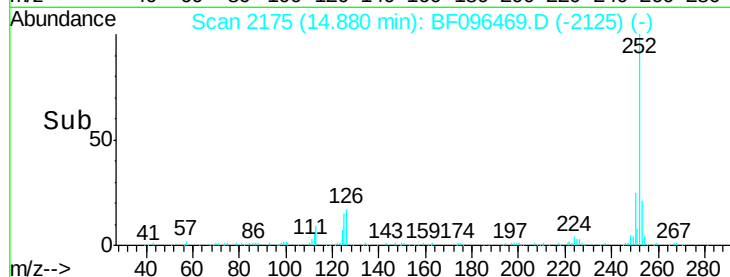
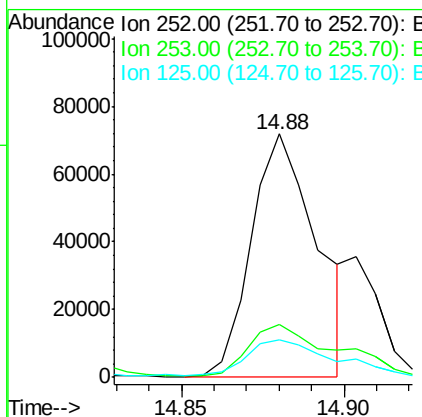
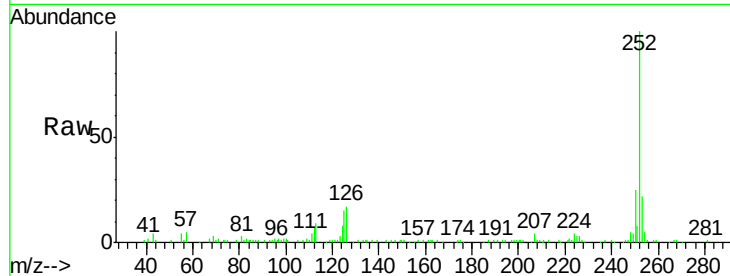
ClientSampleId :

E2-P4-SSW

Tgt Ion:	252	Resp:	100327
Ion Ratio		Lower	Upper
252	100		
253	21.7	18.1	27.1
125	15.5	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 3.669 ng m

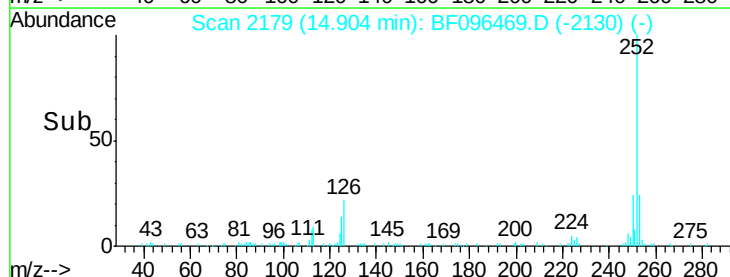
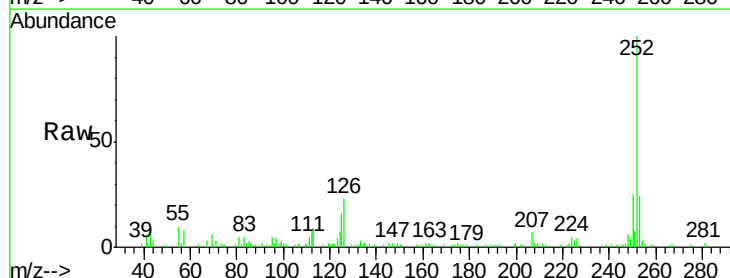
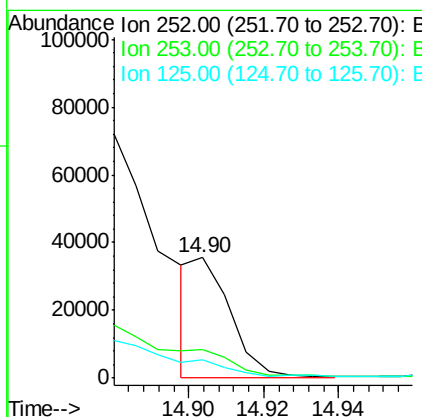
RT: 14.90 min Scan# 2179

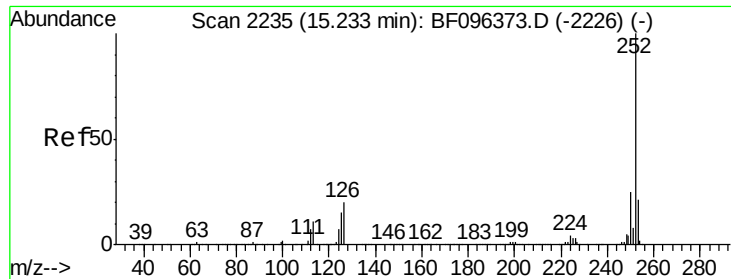
Delta R.T. -0.01 min

Lab File: BF096469.D

Acq: 4 Jul 2017 5:31

Tgt Ion:	252	Resp:	25507
Ion Ratio		Lower	Upper
252	100		
253	23.9	18.4	27.6
125	15.7	13.1	19.7





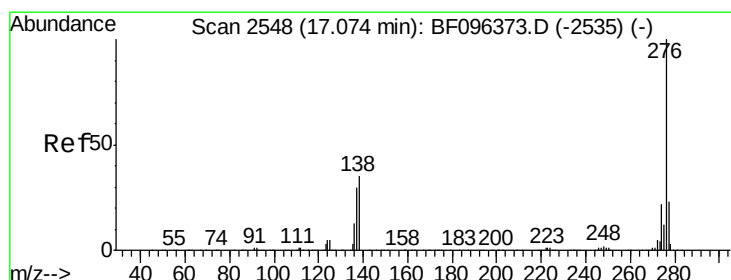
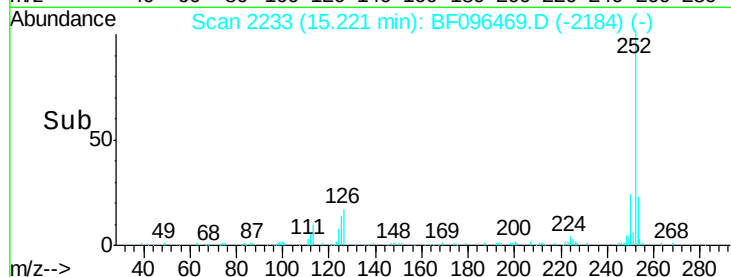
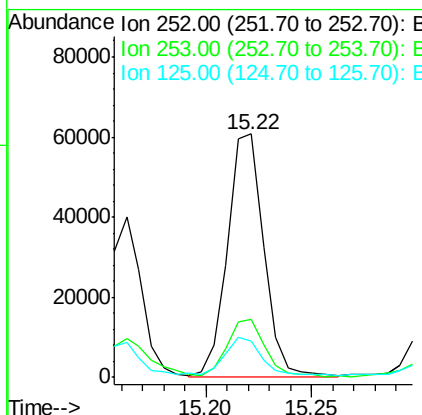
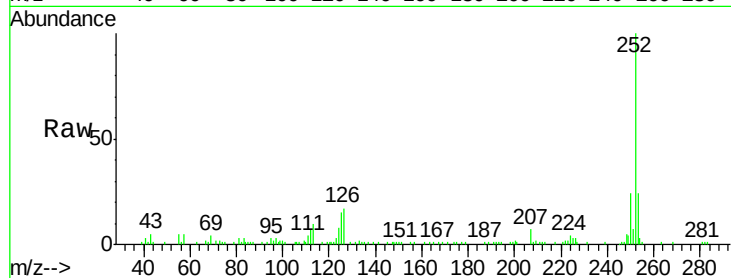
#89
Benzo(a)pyrene
Concen: 10.485 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Instrument :
BNA_F
ClientSampleId :
E2-P4-SSW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.9	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 7.438 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF096469.D
Acq: 4 Jul 2017 5:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.6	28.0
138	28.7	25.4	38.0

