

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097900.D
 Acq On : 21 Aug 2017 12:18
 Operator : SJ/JU
 Sample : I4869-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:43:45 PM

Quant Time: Aug 22 01:37:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	123559	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	494471	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	215069	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	348302	20.00	ng	0.00
75) Chrysene-d12	13.89	240	250453	20.00	ng	0.00
86) Perylene-d12	15.31	264	243810	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1100145	135.43	ng	0.01
7) Phenol-d6	6.39	99	1510713	136.88	ng	0.00
23) Nitrobenzene-d5	7.32	82	950906	104.47	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	246930	132.33	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1178697	80.52	ng	0.00
78) Terphenyl-d14	12.85	244	728505	60.66	ng	0.00
Target Compounds						
10) Phenol	6.40	94	41136	3.187	ng	91
49) Dimethylphthalate	9.50	163	164738	10.479	ng	99
70) Phenanthrene	11.29	178	166101	8.949	ng	98
71) Anthracene	11.33	178	56973	3.026	ng	97
74) Fluoranthene	12.47	202	312968	16.155	ng	98
77) Pyrene	12.70	202	266994	13.034	ng	98
80) Benzo(a)anthracene	13.88	228	158171	10.537	ng	96
82) Chrysene	13.92	228	122719	8.218	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	55548	5.057	ng	93
87) Benzo(b)fluoranthene	14.90	252	161261m	10.493	ng	
88) Benzo(k)fluoranthene	14.93	252	49733m	3.444	ng	
89) Benzo(a)pyrene	15.24	252	117096	8.607	ng	98
91) Benzo(a,h,i)perylene	17.09	276	51765	4.479	ng	93

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

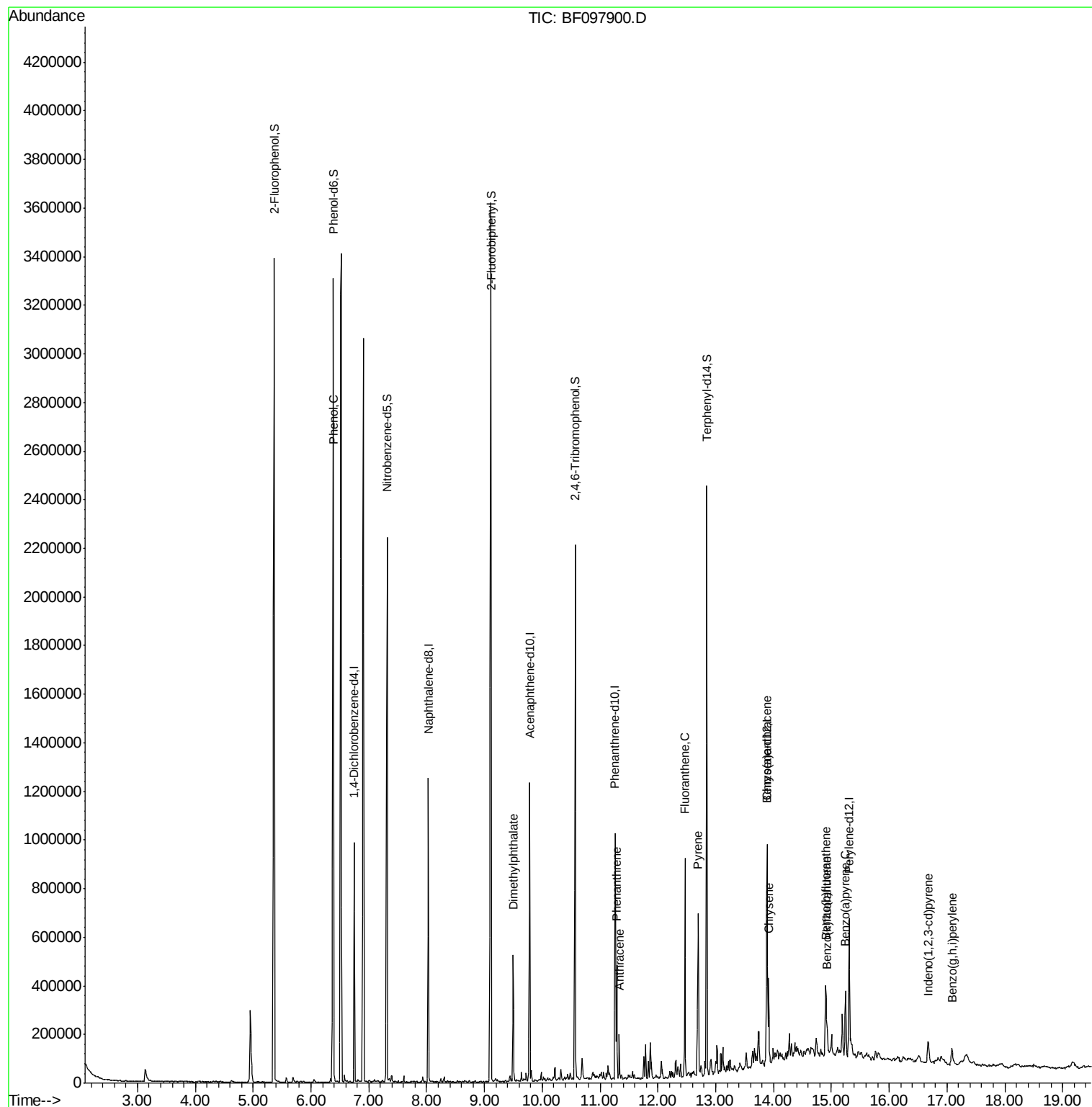
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097900.D
Acq On : 21 Aug 2017 12:18
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Misc :
ALS Vial : 6 Sample Multiplier: 1

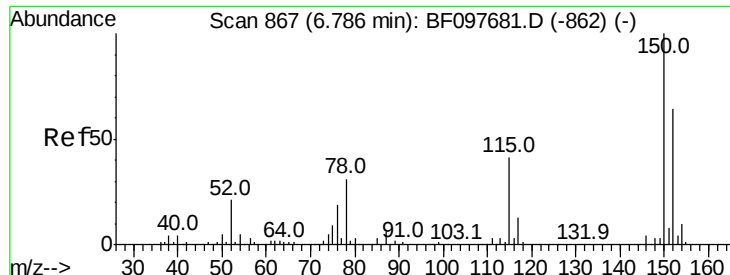
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

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#1

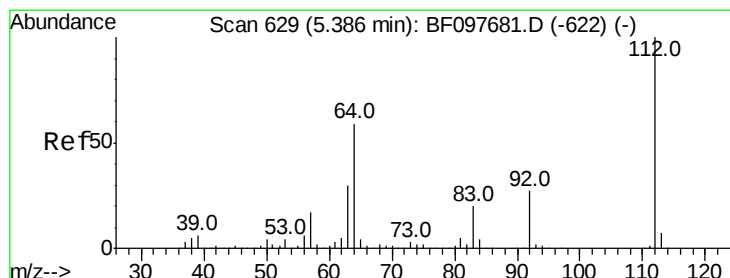
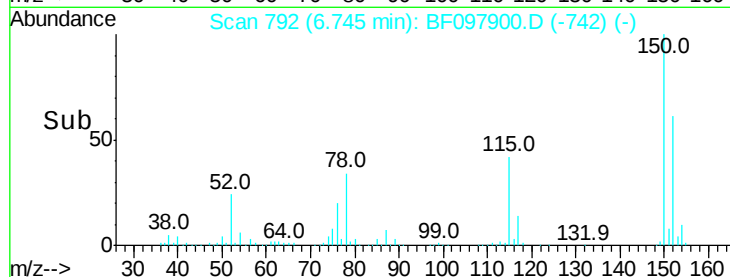
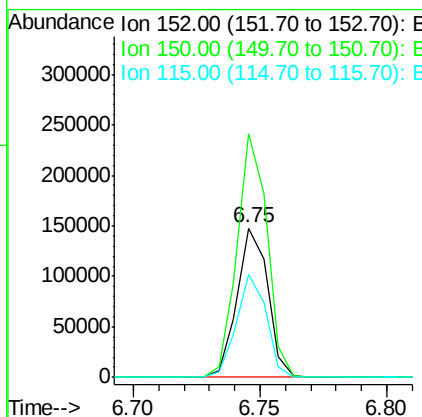
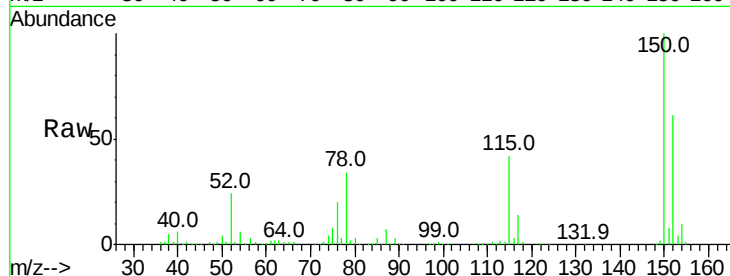
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	126.2	189.2
115	68.7	52.2	78.2

Manual Integrations
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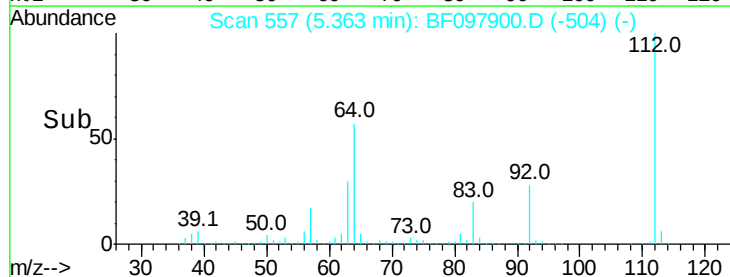
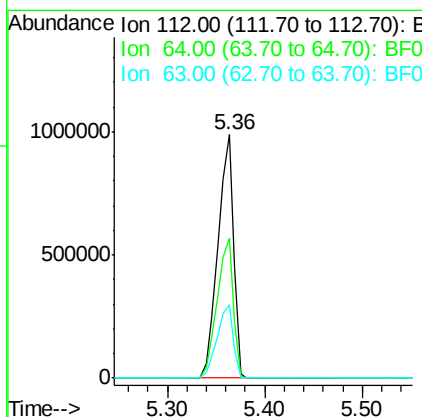
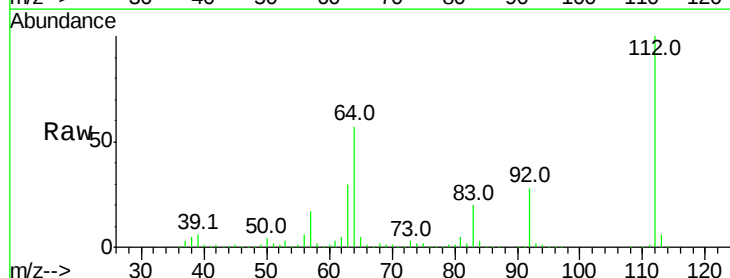
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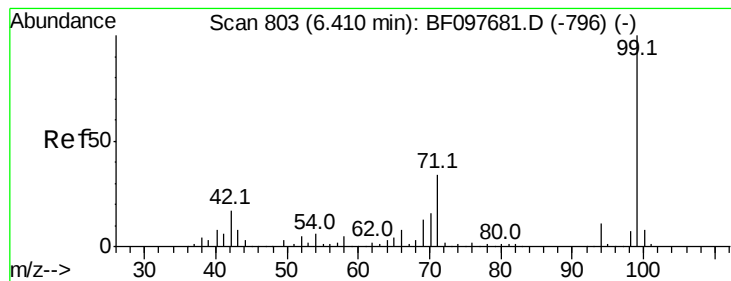


#5

2-Fluorophenol
Concen: 135.433 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.0	69.0
63	30.1	23.4	35.0





#7

Phenol-d6

Concen: 136.877 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

Tot Ion: 99 Resp: 1510713

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

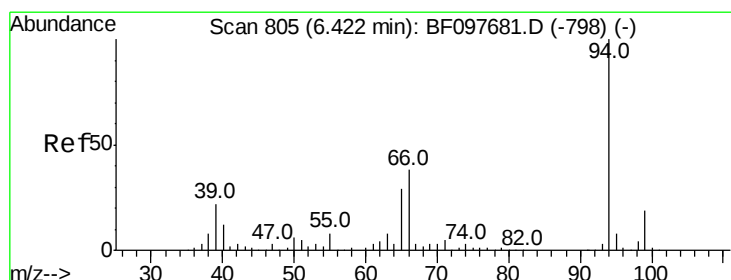
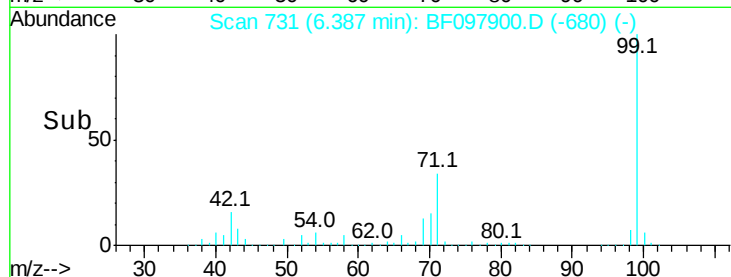
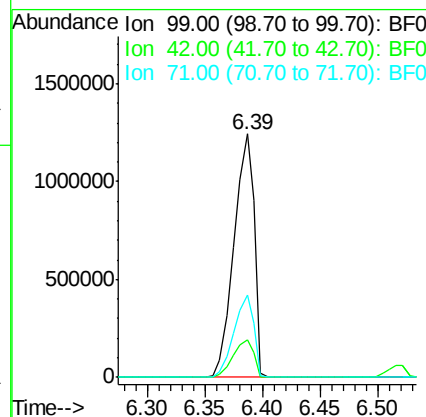
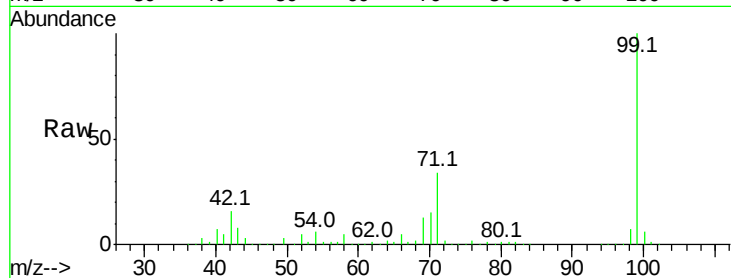
71 33.7 24.5 36.7

Manual Integrations

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#10

Phenol

Concen: 3.187 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

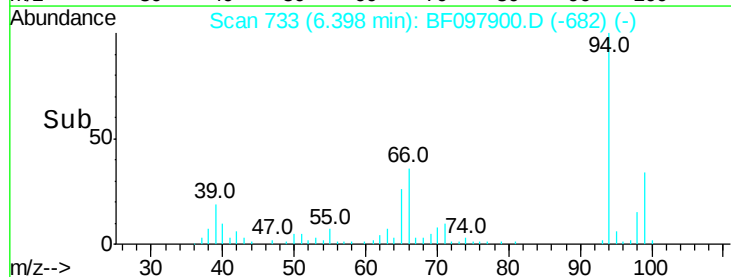
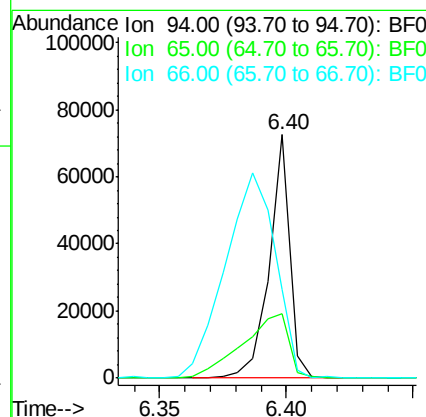
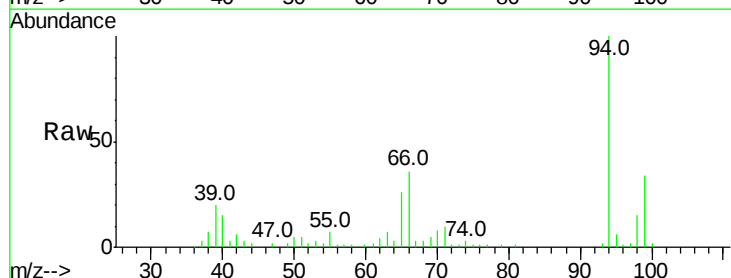
Tgt Ion: 94 Resp: 41136

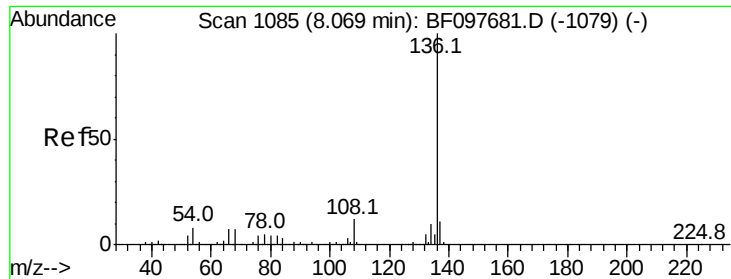
Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

66 36.4 23.1 63.1





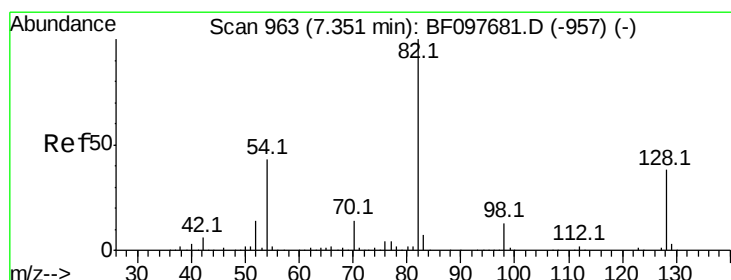
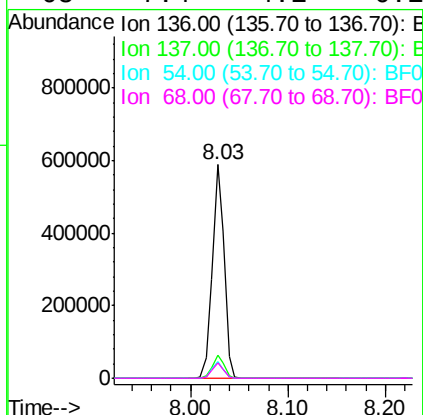
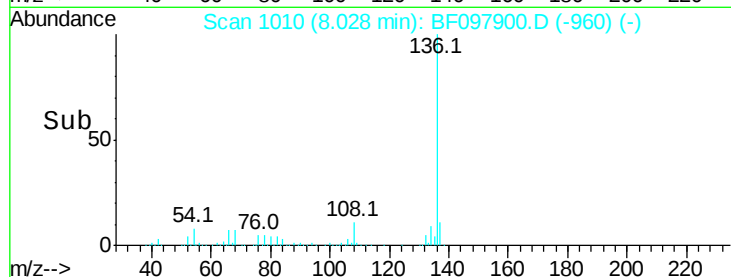
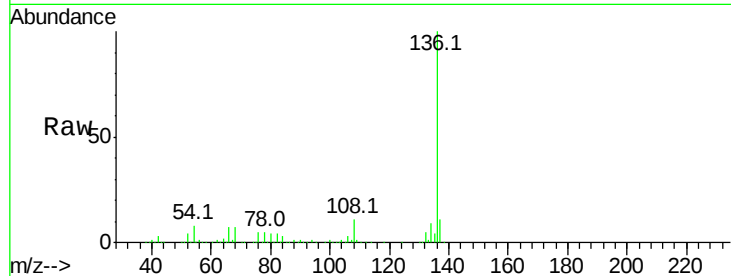
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	494471		
137	10.7	8.5	12.7	
54	7.8	4.9	7.3#	
68	7.4	4.1	6.1#	

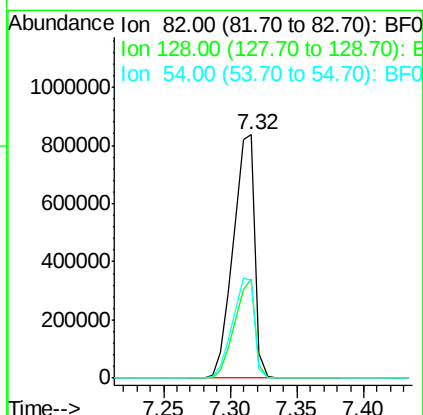
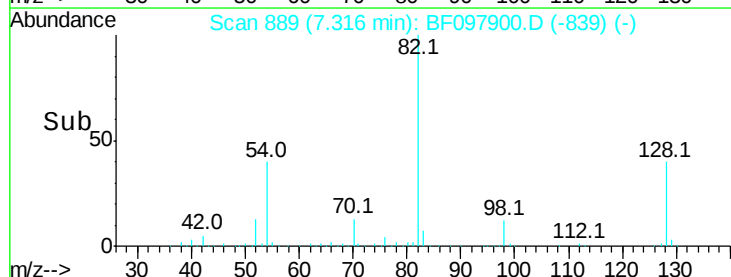
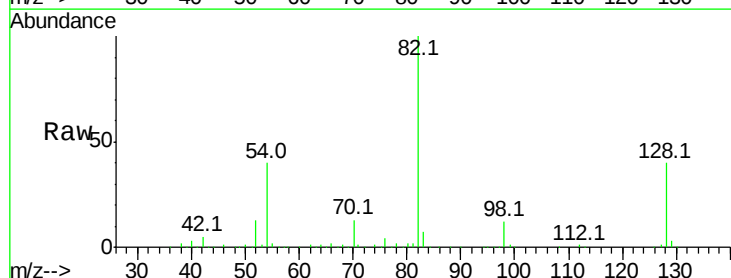
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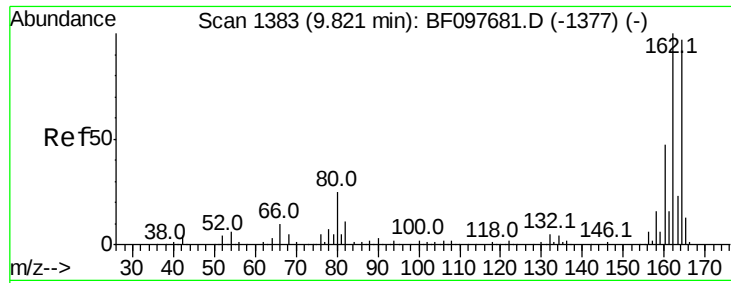
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#23
Nitrobenzene-d5
Concen: 104.470 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	950906		
128	40.5	34.0	51.0	
54	40.2	42.2	63.2#	





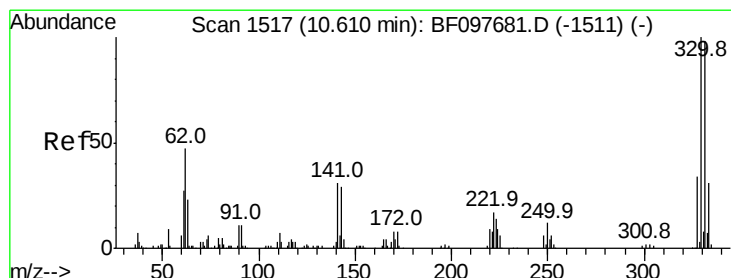
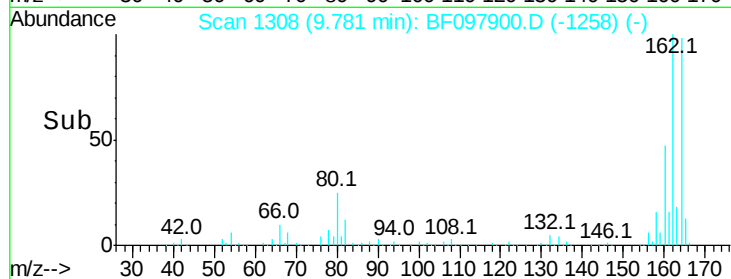
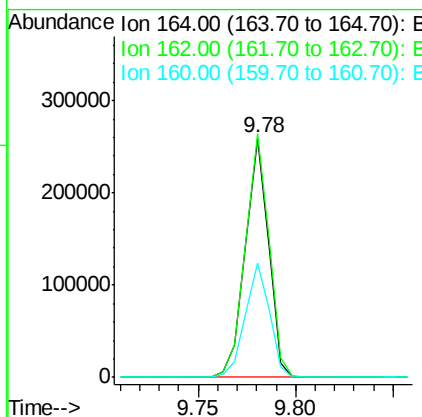
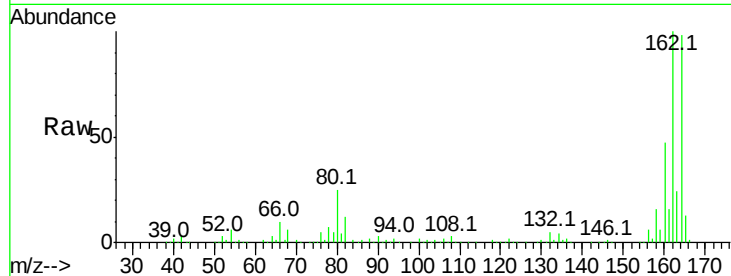
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	215069		
162	101.8	82.6	123.8	
160	47.9	36.2	54.2	

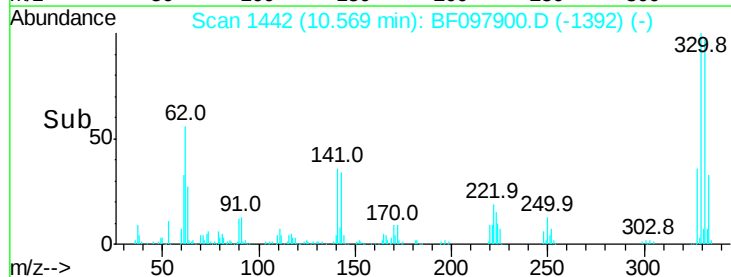
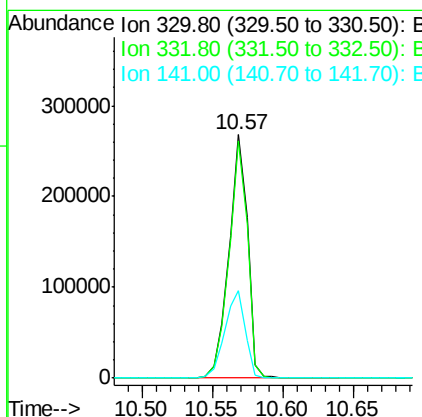
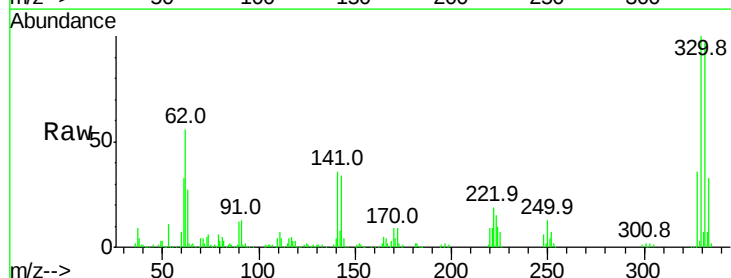
Manual Integrations
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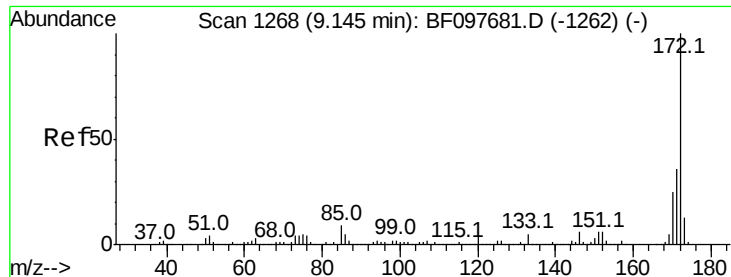
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#41
 2,4,6-Tribromophenol
 Concen: 132.326 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	246930		
332	96.6	76.6	115.0	
141	39.3	31.4	47.2	





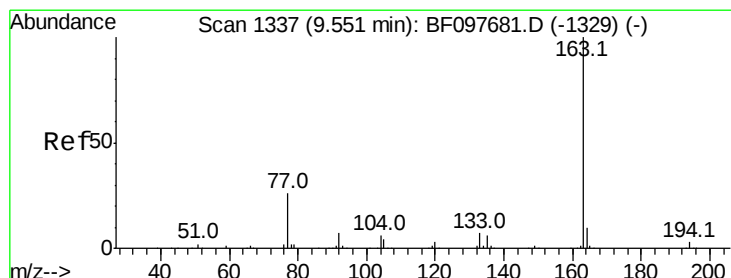
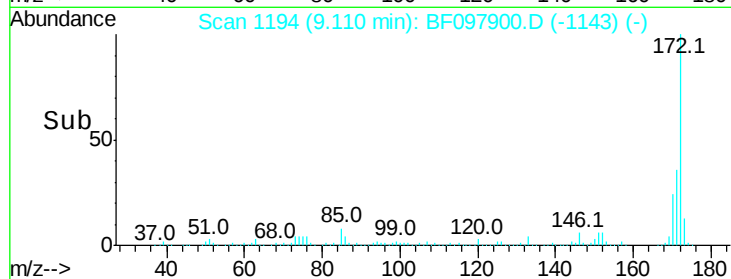
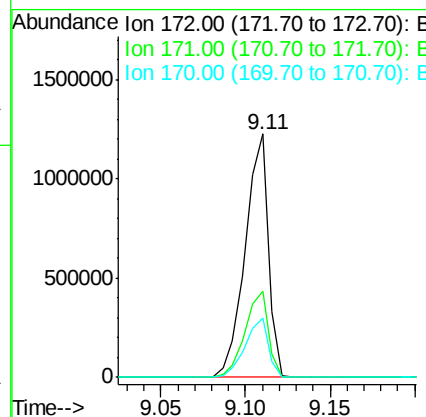
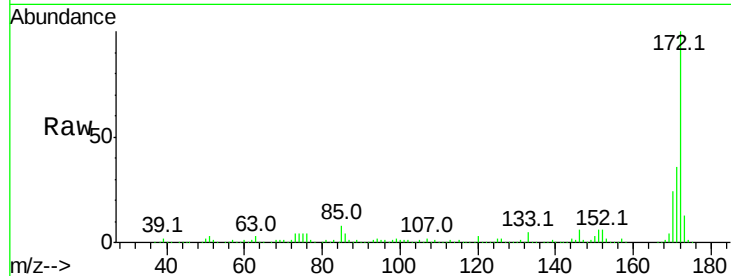
#44
2-Fluorobiphenyl
Concen: 80.521 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.3	19.8	29.8

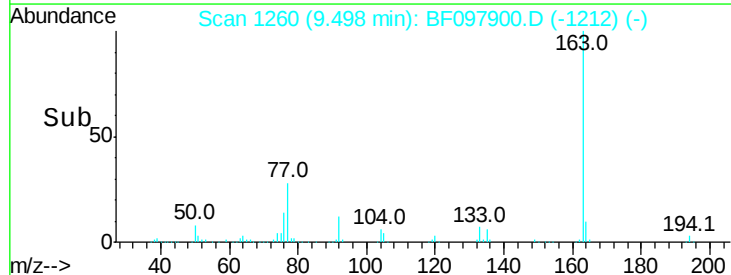
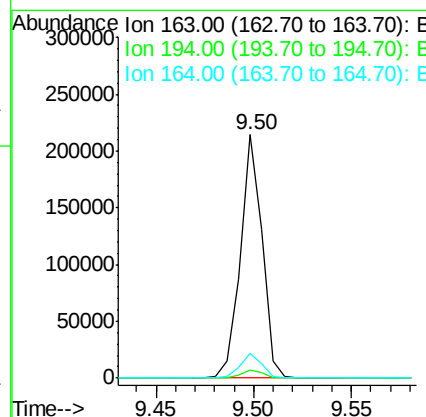
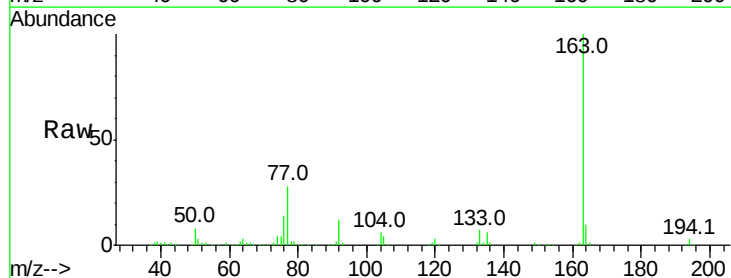
Manual Integrations
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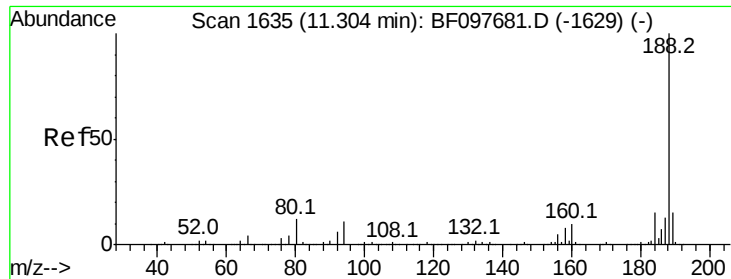
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#49
Dimethylphthalate
Concen: 10.479 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

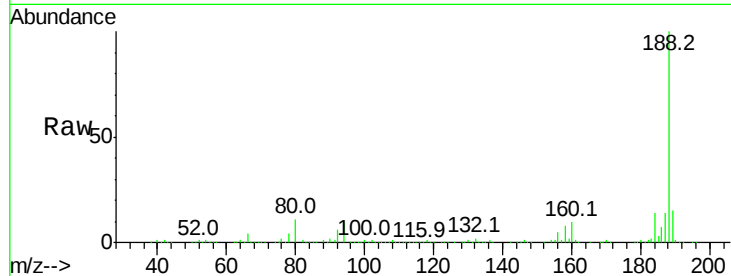
ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

Tot Ion:	188	Resp:	348302
Ion Ratio	Lower	Upper	
188	100		
94	10.4	9.4	14.2
80	10.9	10.2	15.2

Manual Integrations
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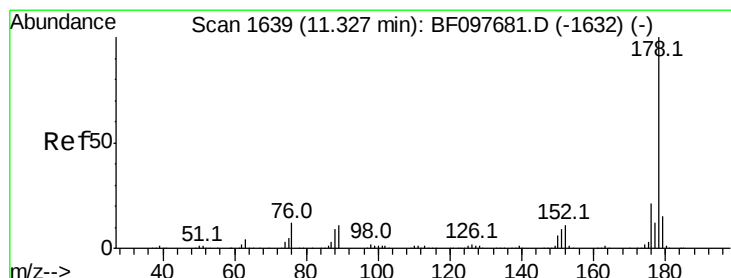
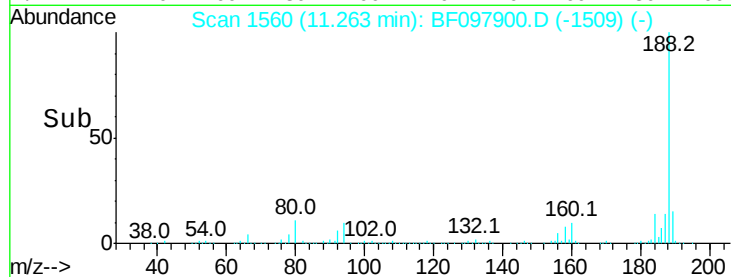
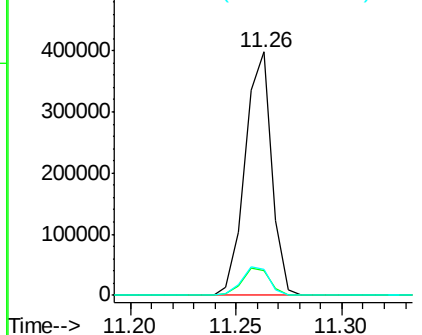
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 8.949 ng

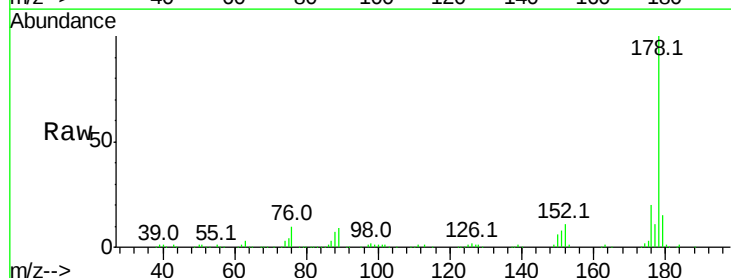
RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

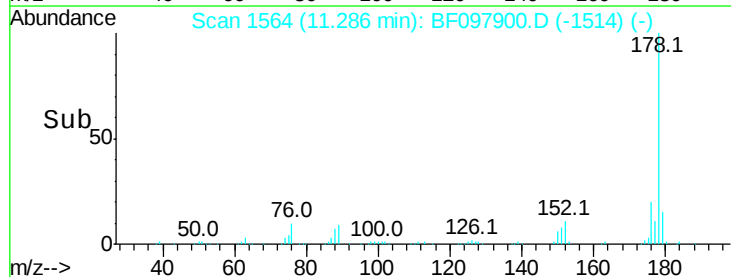
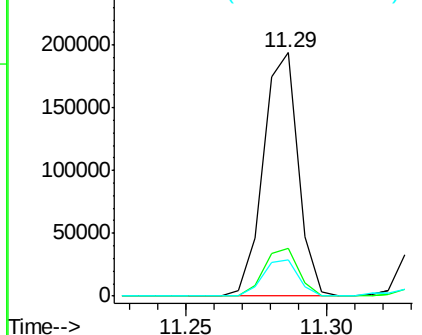
Tgt Ion:	178	Resp:	166101
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	15.0	12.6	19.0

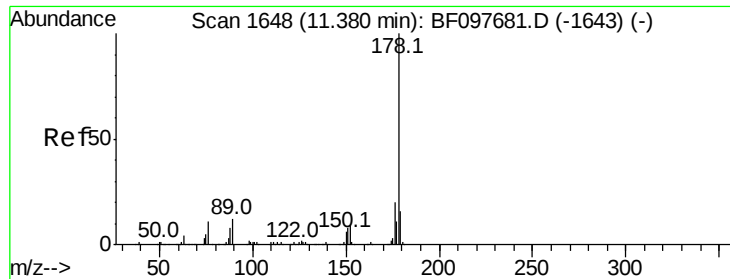


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





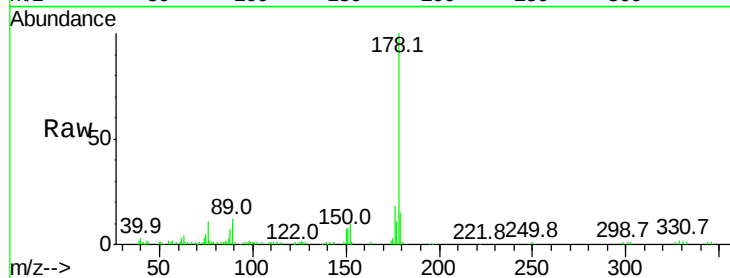
#71
 Anthracene
 Concen: 3.026 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Instrument :
 BNA_F
 ClientSampled :
 SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.3	12.7	19.1

Manual Integrations
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Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

250000

200000

150000

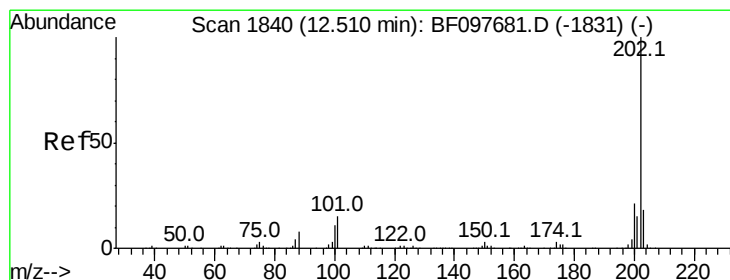
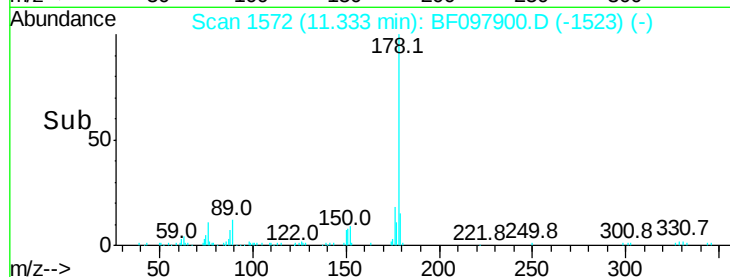
100000

50000

0

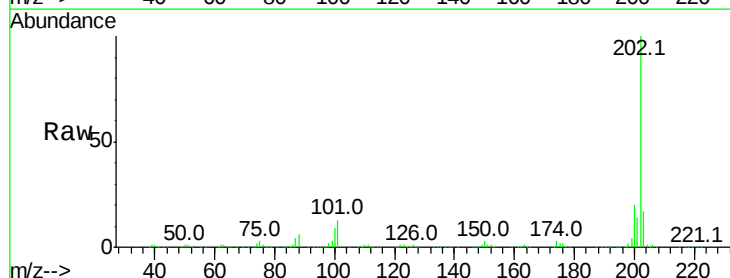
11.30 11.35

Time-->



#74
 Fluoranthene
 Concen: 16.155 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	17.0	0.0	38.1



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

500000

400000

300000

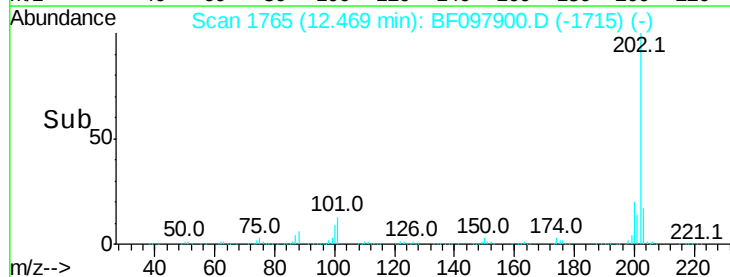
200000

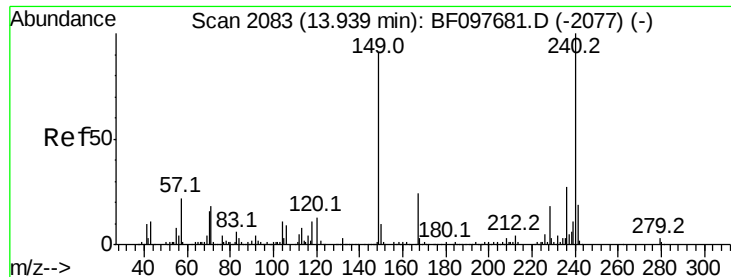
100000

0

12.45 12.50

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Instrument :

BNA_F

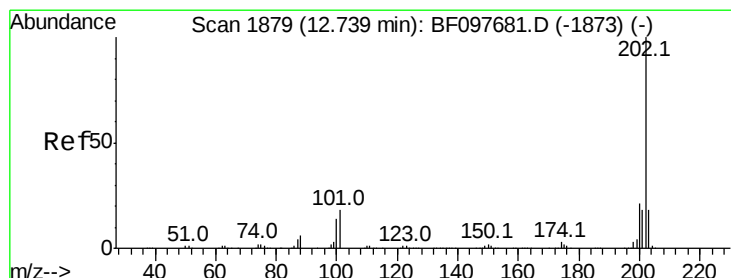
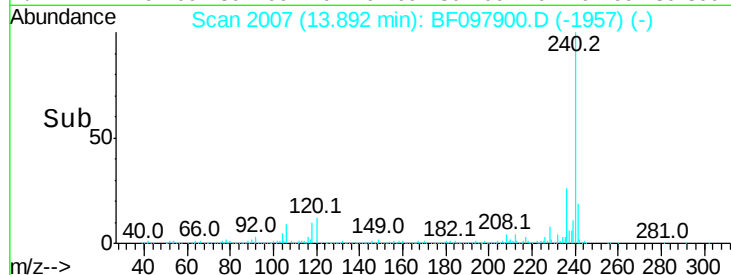
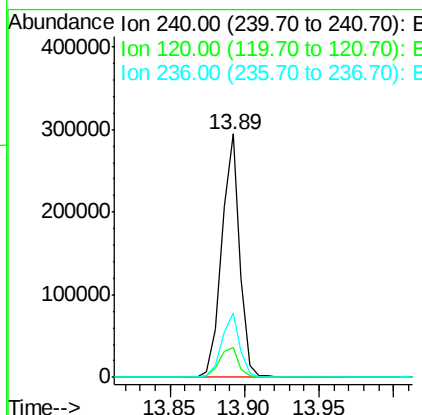
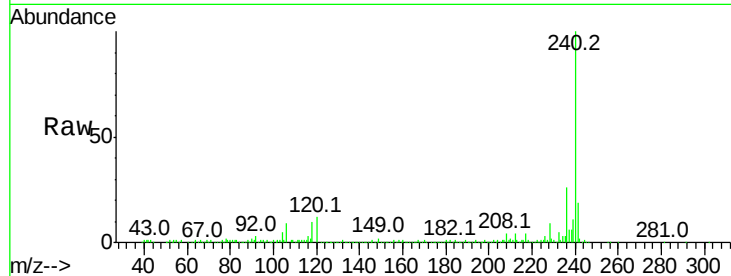
ClientSampleId :

SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	5.8	8.8#
236	26.2	20.5	30.7

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#77

Pyrene

Concen: 13.034 ng

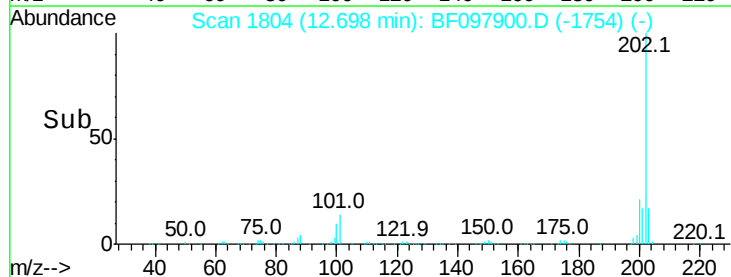
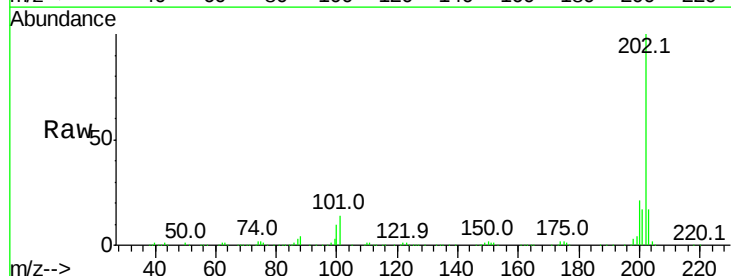
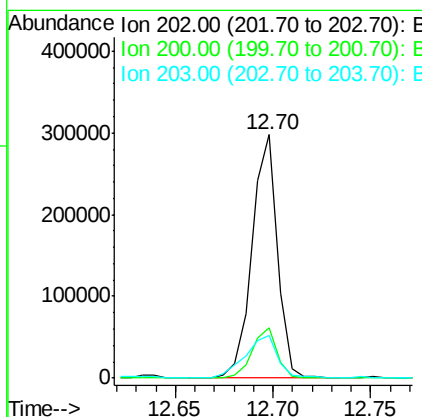
RT: 12.70 min Scan# 1804

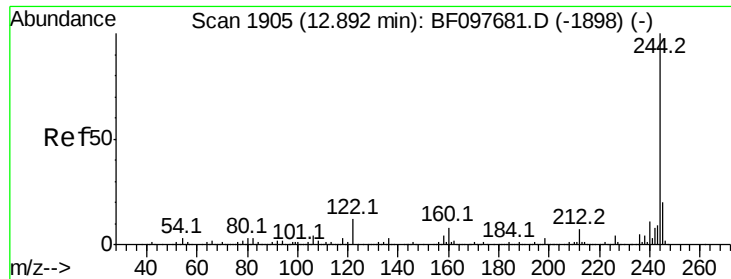
Delta R.T. -0.01 min

Lab File: BF097900.D

Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.3	14.4	21.6





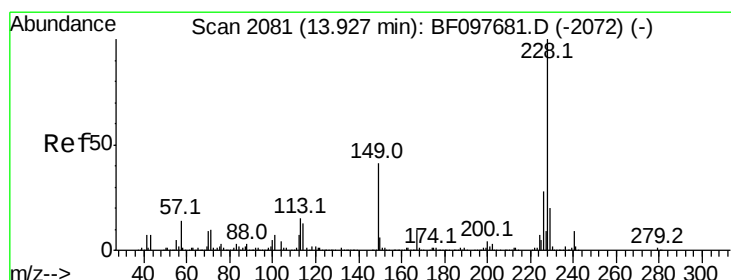
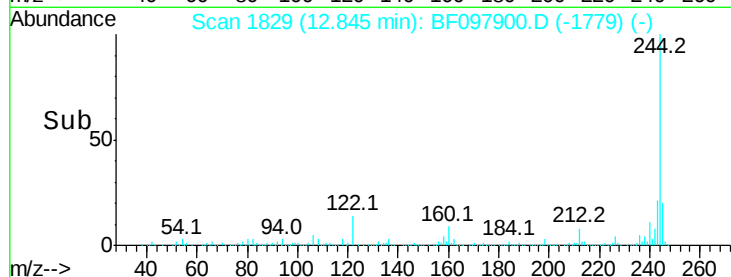
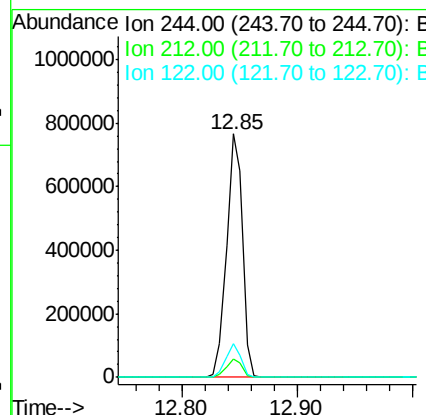
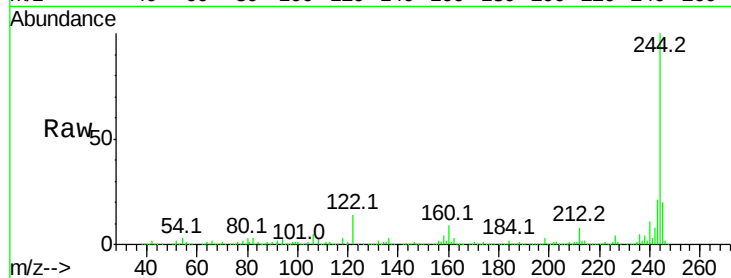
#78
 Terphenyl-d14
 Concen: 60.657 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	14.1	10.3	15.5

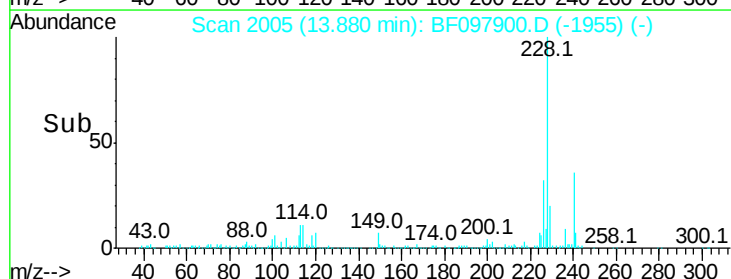
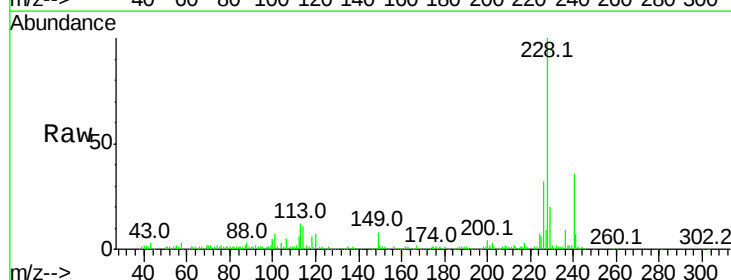
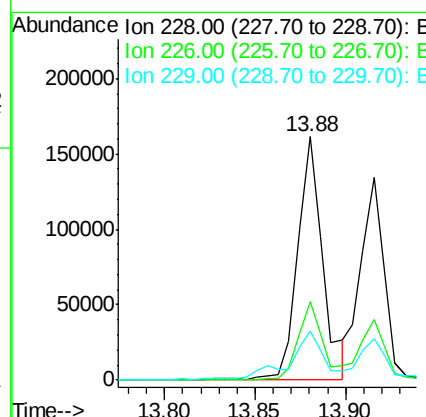
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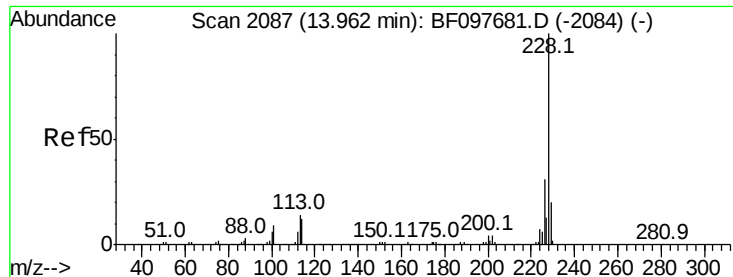
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#80
 Benzo(a)anthracene
 Concen: 10.537 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	20.4	16.3	24.5





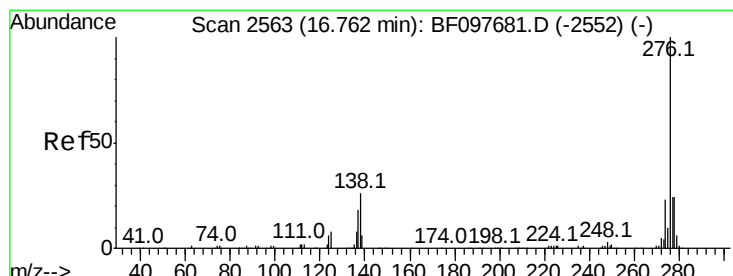
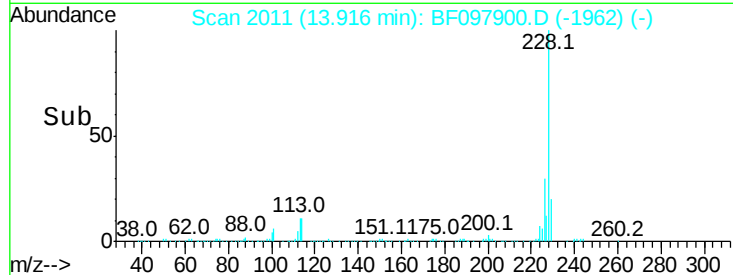
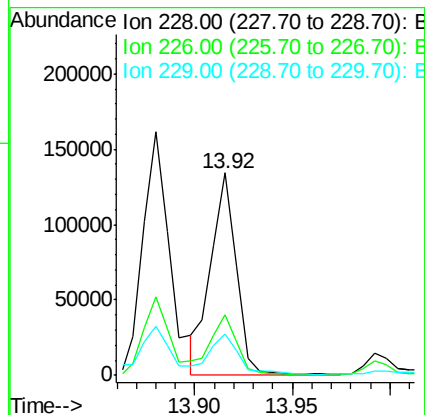
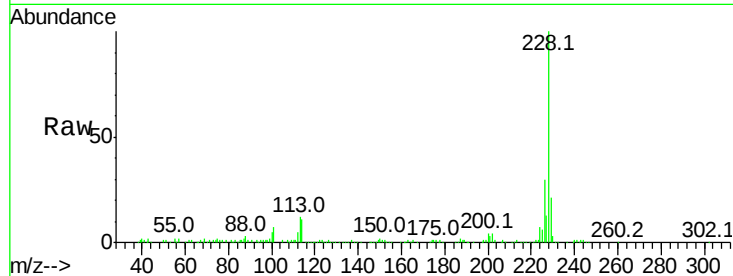
#82
Chrysene
Concen: 8.218 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion:	228	Resp:	122719
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	20.5	15.8	23.6

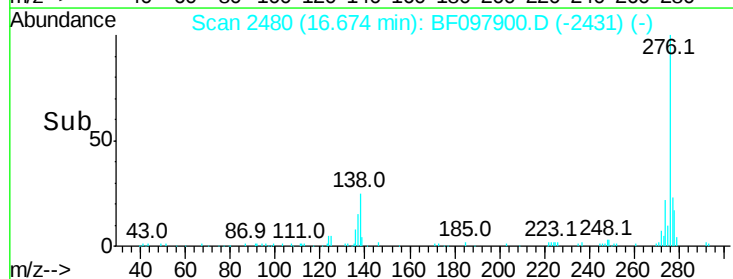
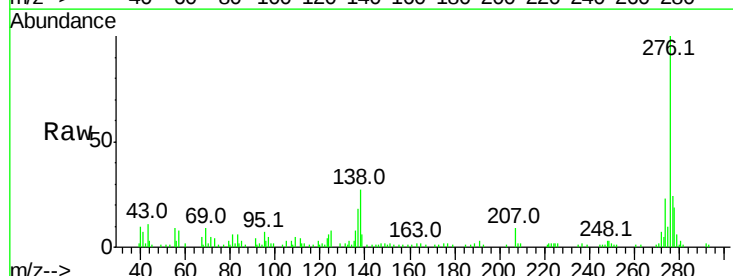
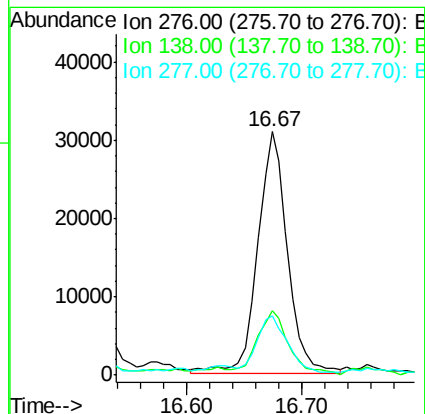
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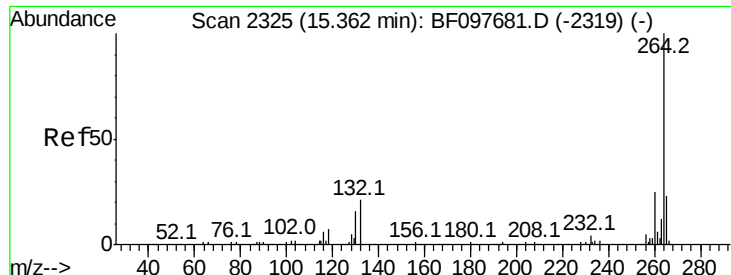
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.057 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion:	276	Resp:	55548
Ion Ratio	Lower	Upper	
276	100		
138	28.5	27.8	41.6
277	26.3	20.2	30.4





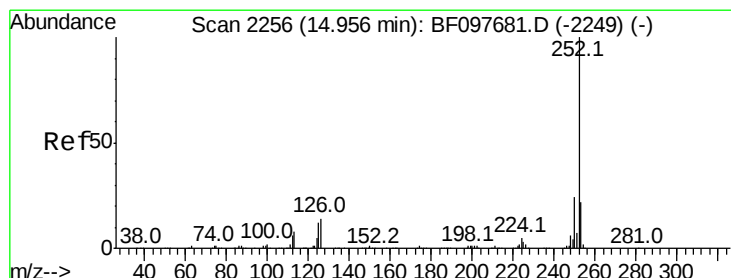
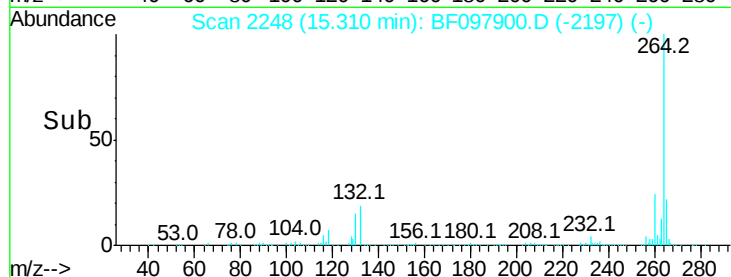
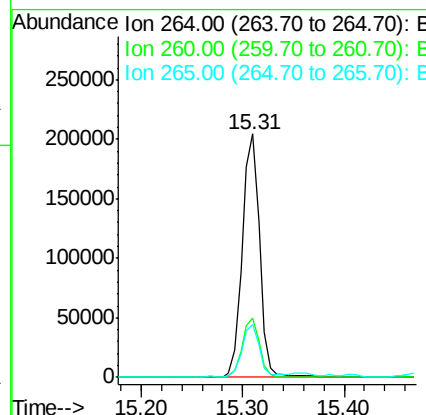
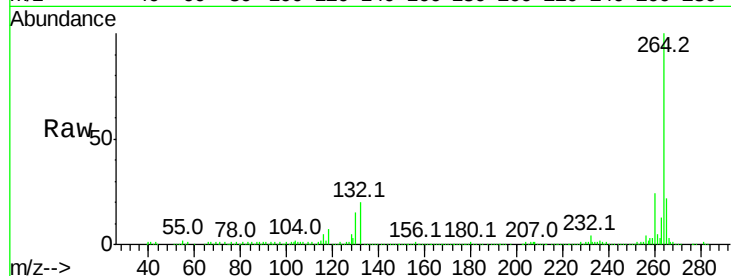
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8

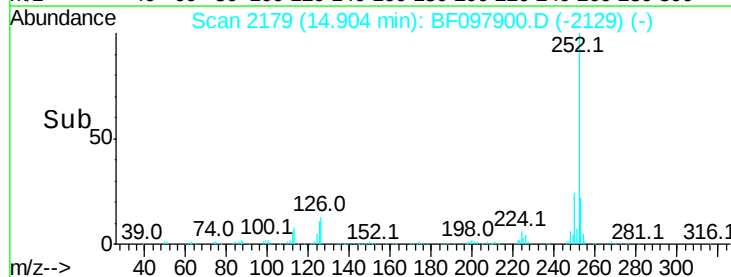
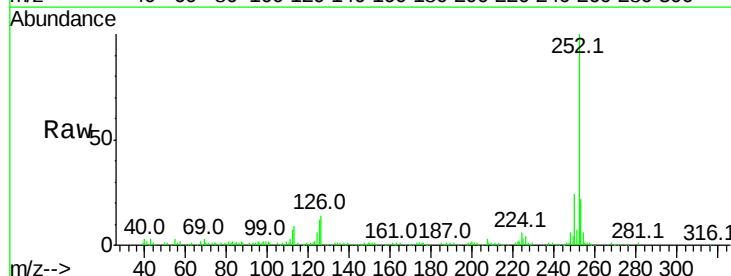
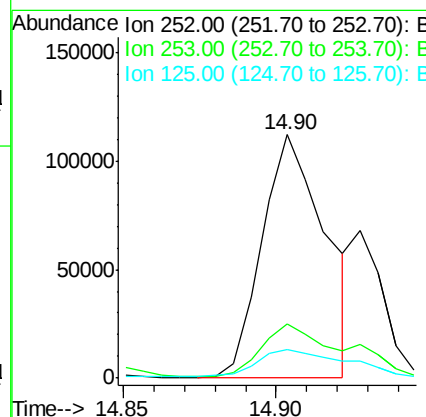
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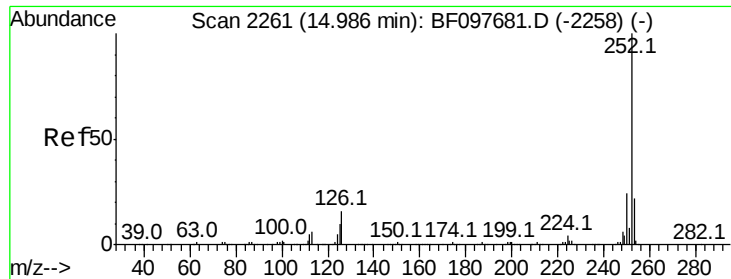
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#87
Benzo(b)fluoranthene
Concen: 10.493 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.6	9.8	14.8





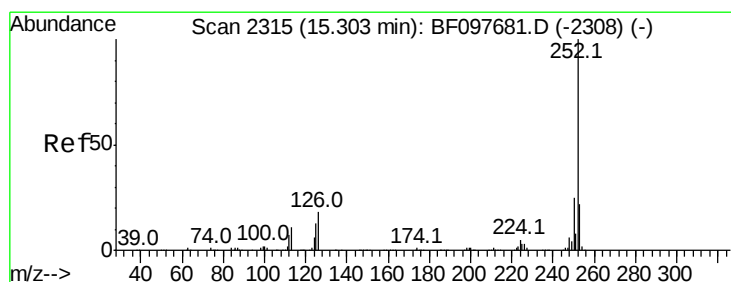
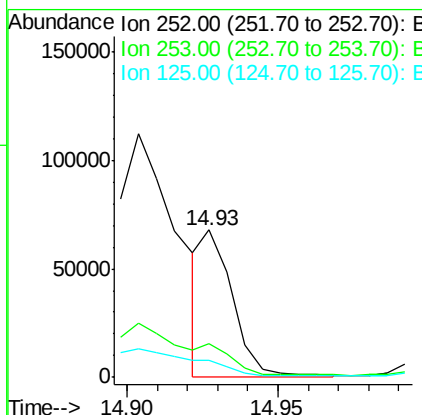
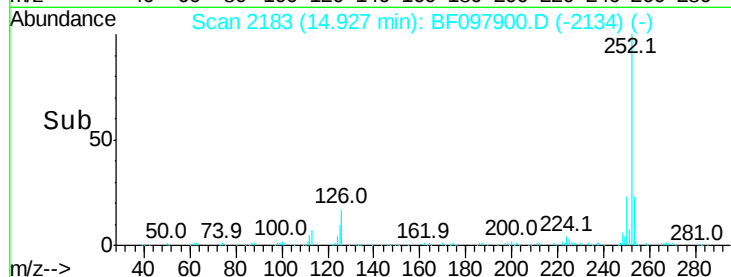
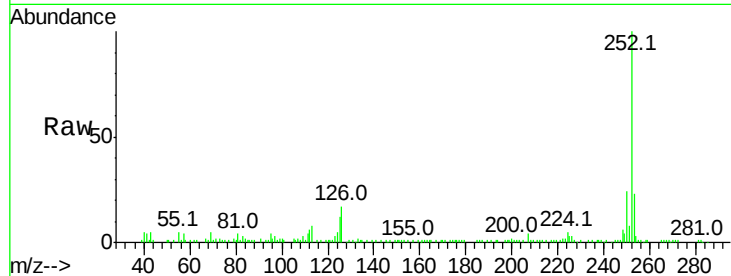
#88
Benzo(k)fluoranthene
Concen: 3.444 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-106-A(0-5)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	11.6	13.1	19.7#

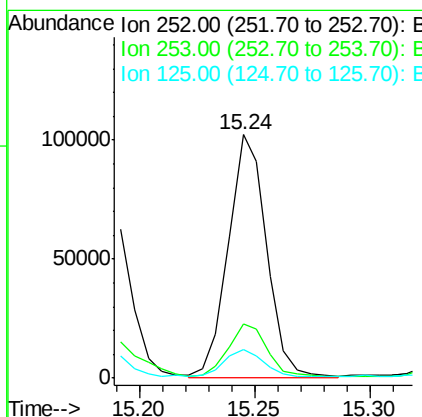
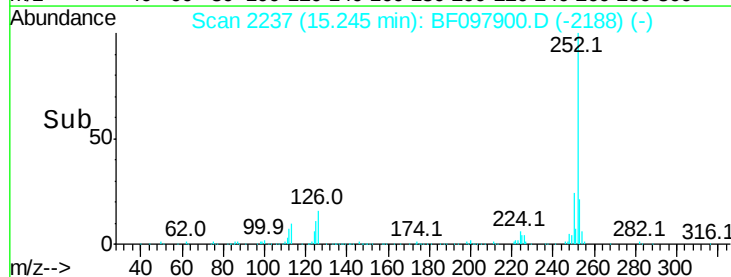
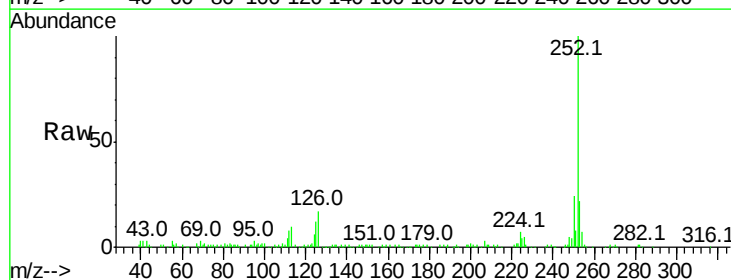
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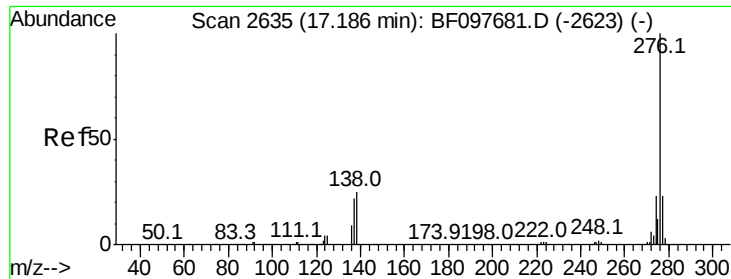
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#89
Benzo(a)pyrene
Concen: 8.607 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF097900.D
Acq: 21 Aug 2017 12:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.8	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.479 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.02 min
 Lab File: BF097900.D
 Acq: 21 Aug 2017 12:18

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-106-A(0-5)COMP

Tot Ion:	276	Resp:	51765
Ion Ratio		Lower	Upper
276	100		
277	24.9	18.6	28.0
138	26.5	25.4	38.0

Manual Integrations
 APPROVED

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