

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098767.D
 Acq On : 24 Sep 2017 5:30
 Operator : SJ/JU
 Sample : I5304-05DL 100X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-ENV-118-6(5-10)DL

Manual Integrations
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Sohil
 9/25/2017 6:26:49 PM

Quant Time: Sep 25 08:35:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	121098	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	405934	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	149159	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	266865	20.00	ng	0.00
75) Chrysene-d12	14.09	240	264011	20.00	ng	0.00
86) Perylene-d12	15.58	264	205742	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	7831	1.03	ng	-0.01
7) Phenol-d6	6.53	99	9544	1.02	ng	-0.02
23) Nitrobenzene-d5	7.47	82	4513	0.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	1030	0.84	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	8870	0.99	ng	0.00
78) Terphenyl-d14	13.03	244	8635	0.74	ng	0.00
Target Compounds						
51) Acenaphthene	9.99	154	18680	2.001	ng	98
70) Phenanthrene	11.47	178	395346	27.676	ng	99
71) Anthracene	11.52	178	121603	8.320	ng	97
72) Carbazole	11.67	167	41588	2.906	ng	99
74) Fluoranthene	12.66	202	1010273	69.844	ng	100
77) Pyrene	12.89	202	885314	43.976	ng	99
80) Benzo(a)anthracene	14.07	228	323430	20.231	ng	99
82) Chrysene	14.11	228	264535	17.381	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	37836	3.108	ng	99
87) Benzo(b)fluoranthene	15.14	252	197536m	15.616	ng	
88) Benzo(k)fluoranthene	15.16	252	57752m	4.622	ng	
89) Benzo(a)pyrene	15.51	252	109047	9.391	ng	# 96
91) Benzo(a,h,i)perylene	17.53	276	30950	3.369	ng	96

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

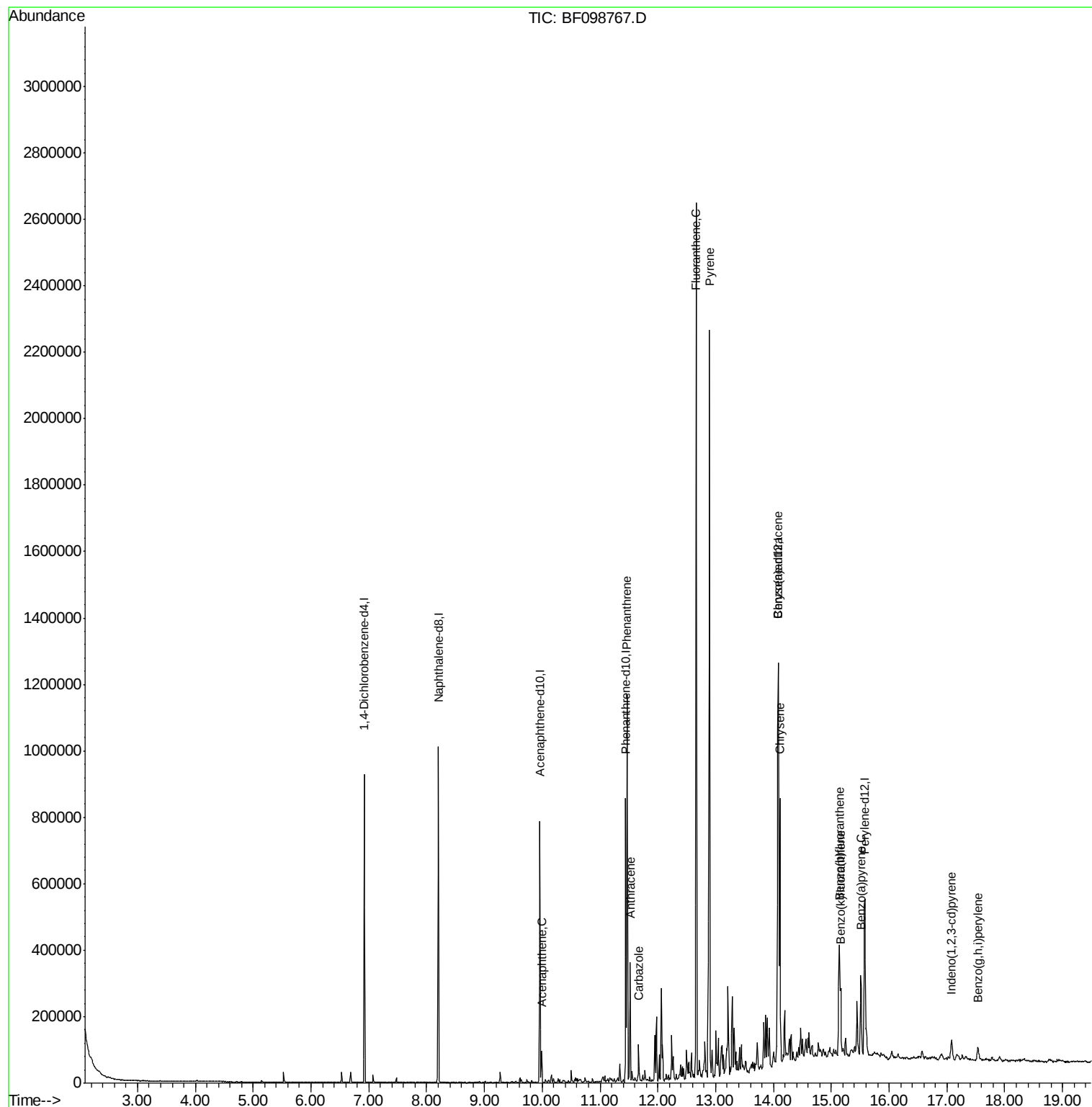
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
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ALS Vial : 29 Sample Multiplier: 1

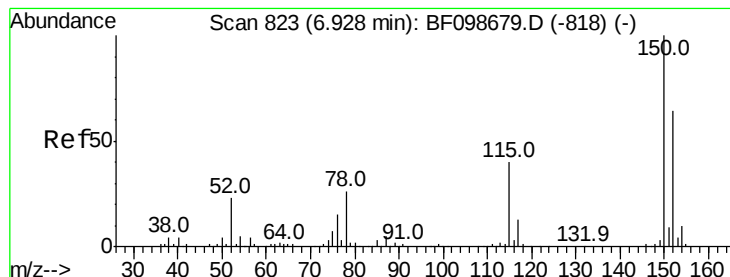
Instrument :
BNA_F
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SASP2P-ENV-118-6(5-10)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

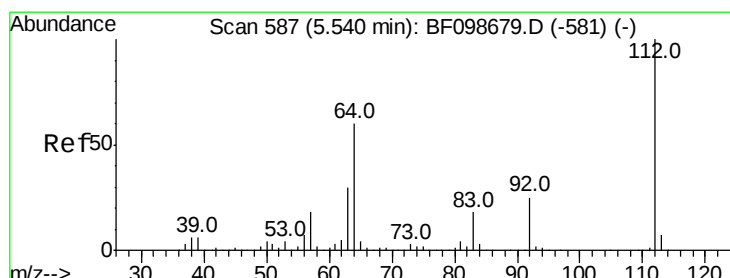
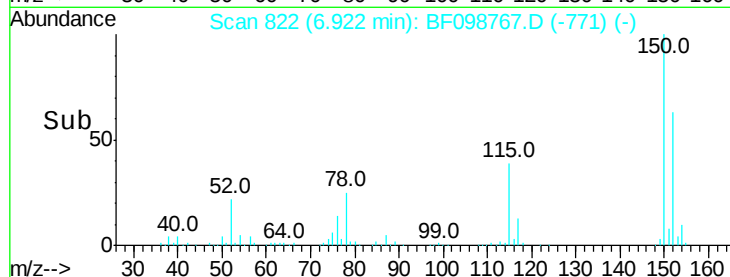
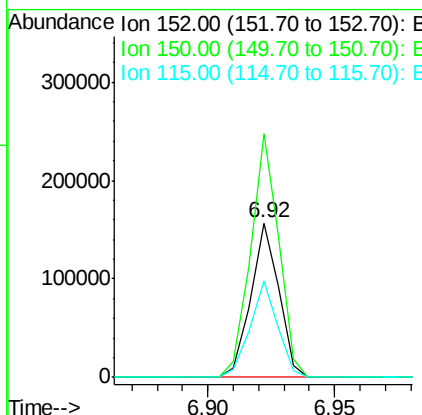
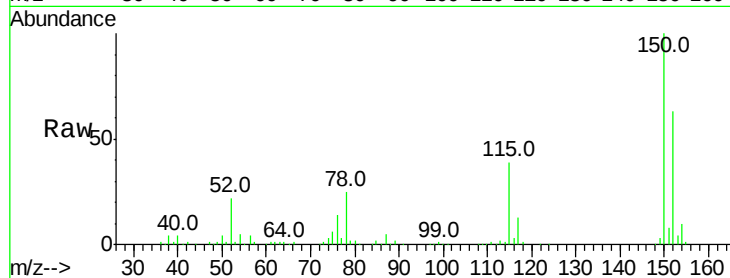
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-118-6(5-10)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	62.0	50.1	75.1

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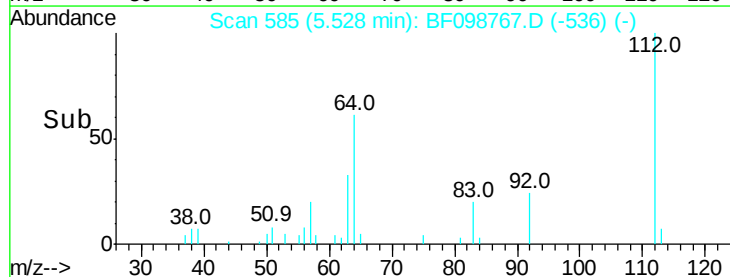
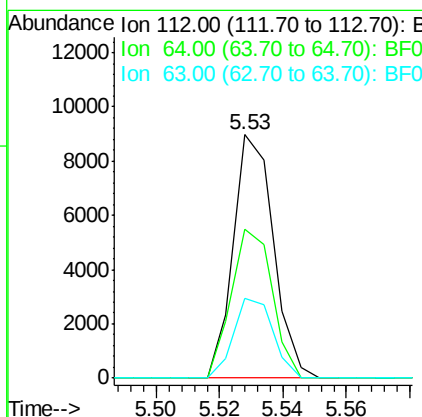
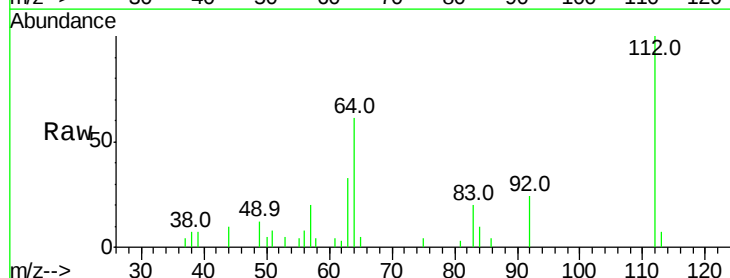
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#5

2-Fluorophenol
Concen: 1.029 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 1.017 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

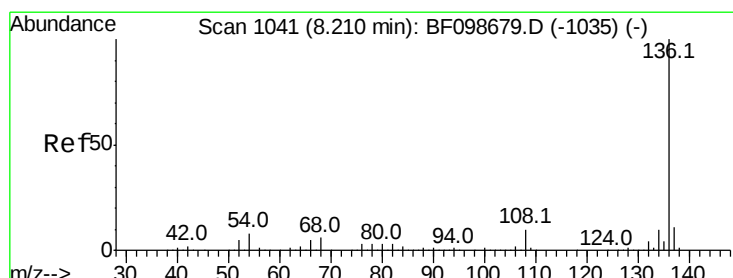
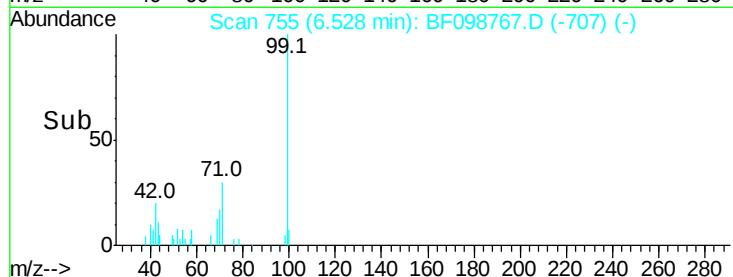
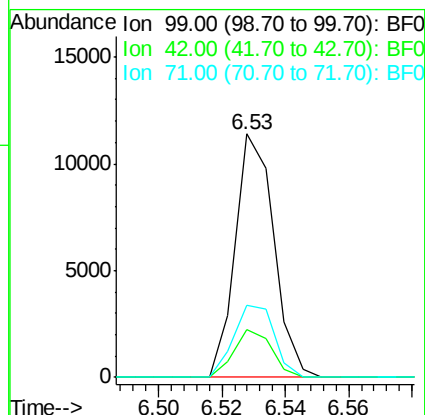
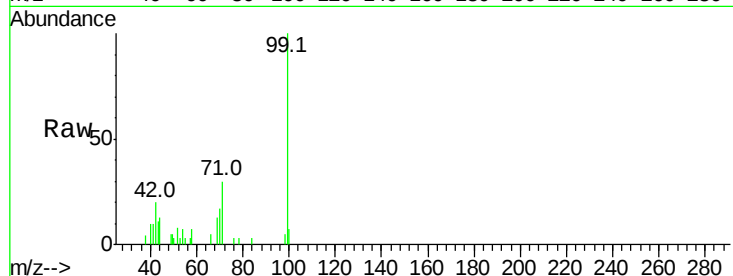
ClientSampleId :

SASP2P-ENV-118-6(5-10)DL

Tot Ion:	99	Resp:	9544
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	29.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

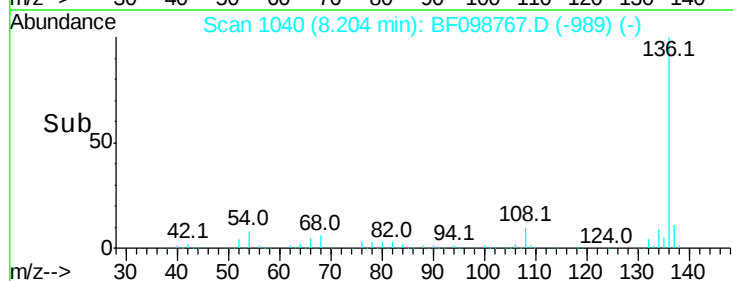
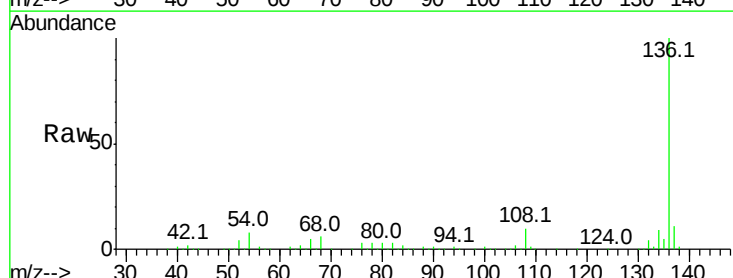
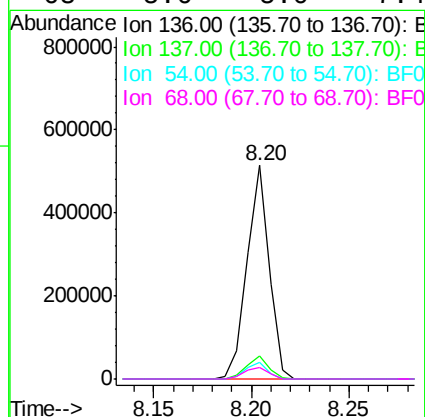
RT: 8.20 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Tgt Ion:	136	Resp:	405934
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	5.6	5.0	7.4





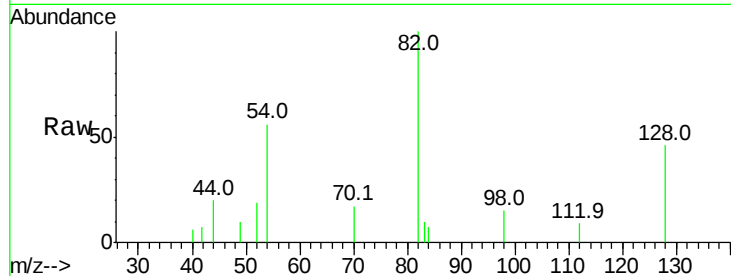
#23
Nitrobenzene-d5
Concen: 0.713 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-118-6(5-10)DL

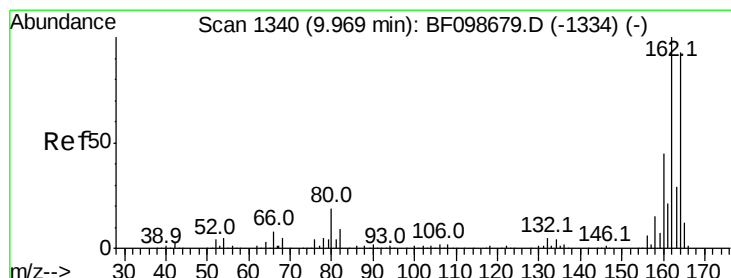
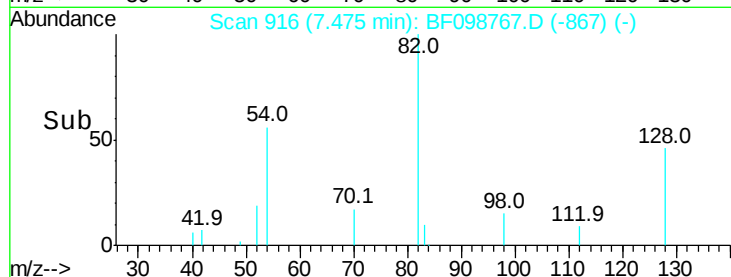
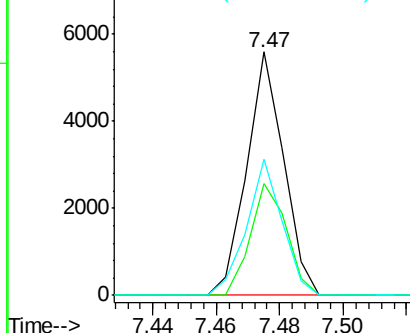
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	56.0	41.4	62.2

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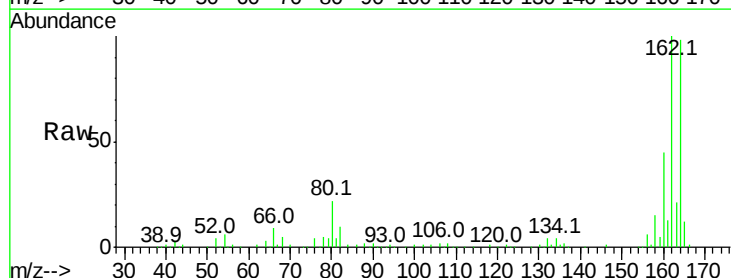


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

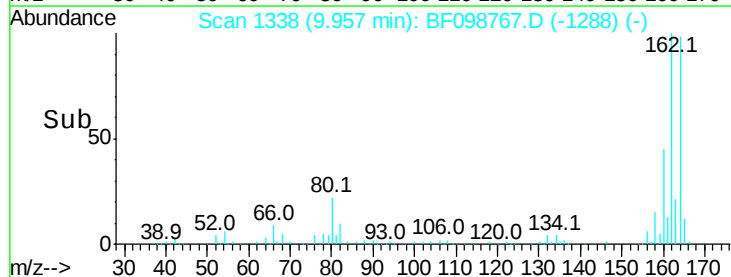
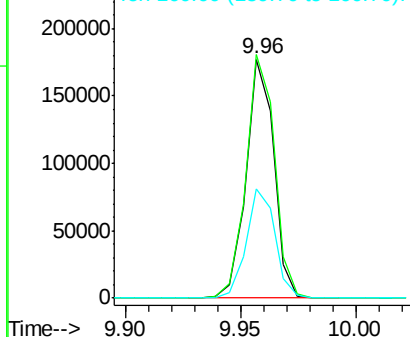


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.8	38.3	57.5



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





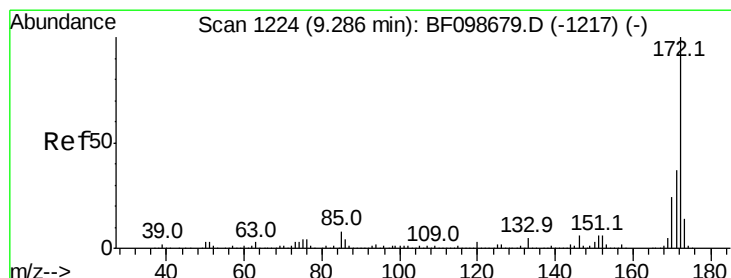
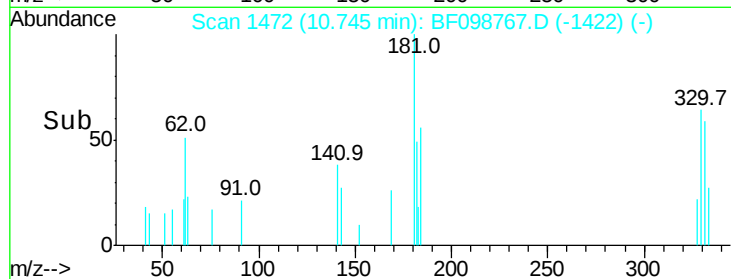
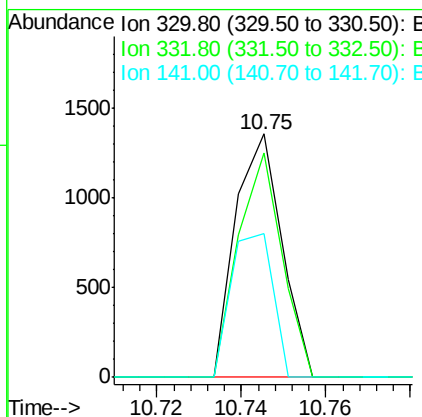
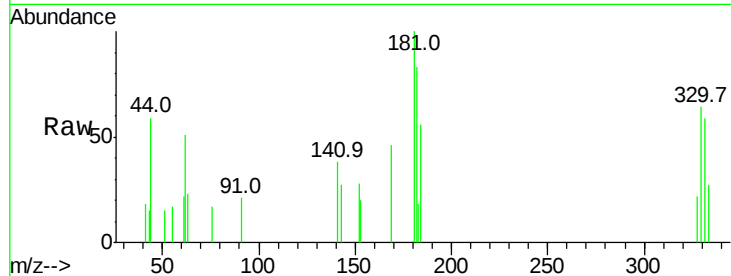
#41
 2,4,6-Tribromophenol
 Concen: 0.844 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-ENV-118-6(5-10)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	87.1	77.0	115.6	
141	53.3	29.9	44.9#	

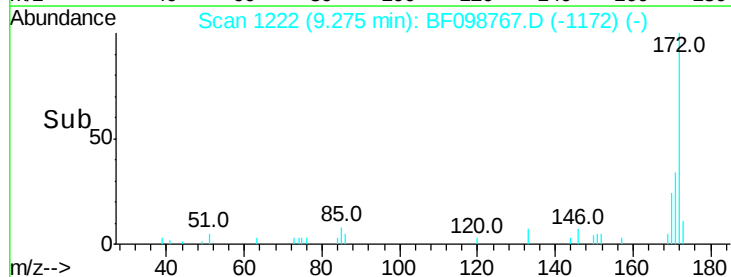
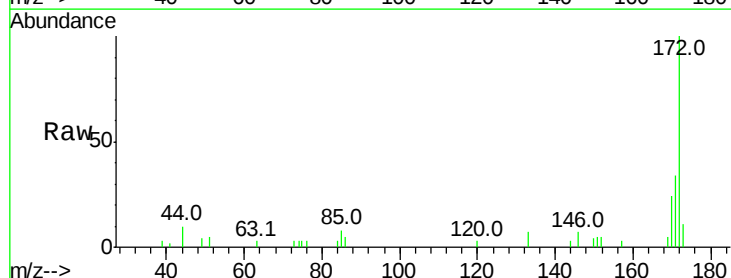
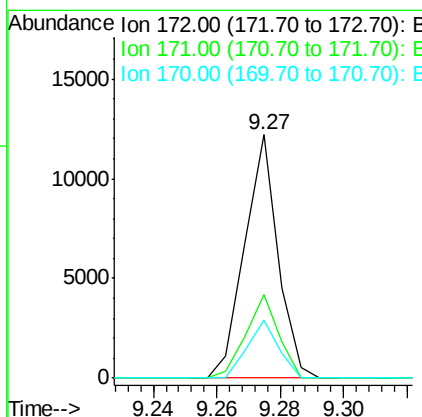
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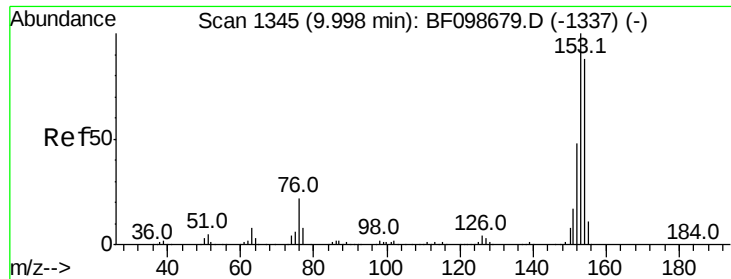
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#44
 2-Fluorobiphenyl
 Concen: 0.993 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.4	29.7	44.5	
170	23.8	19.6	29.4	





#51

Acenaphthene

Concen: 2.001 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

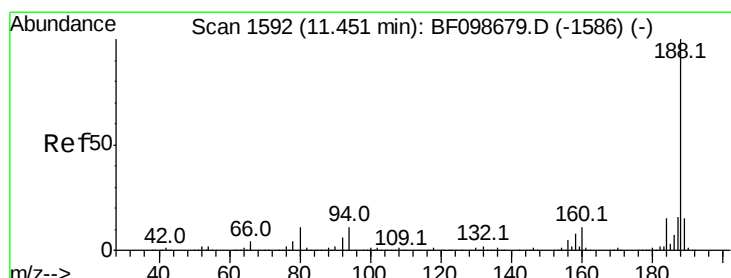
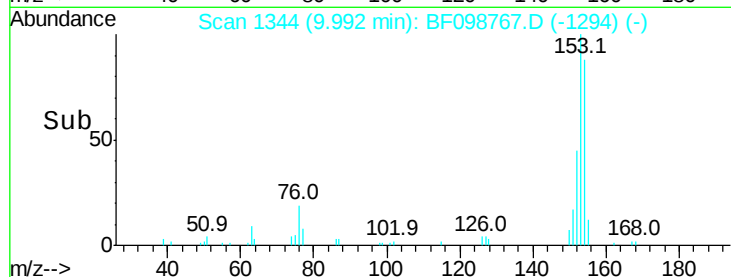
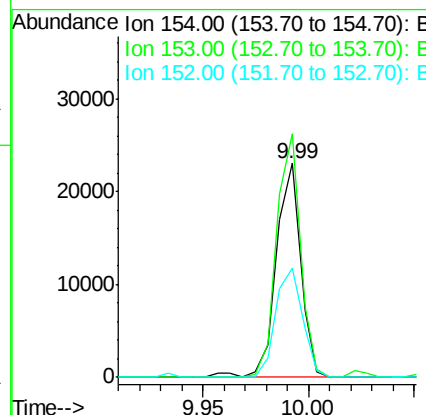
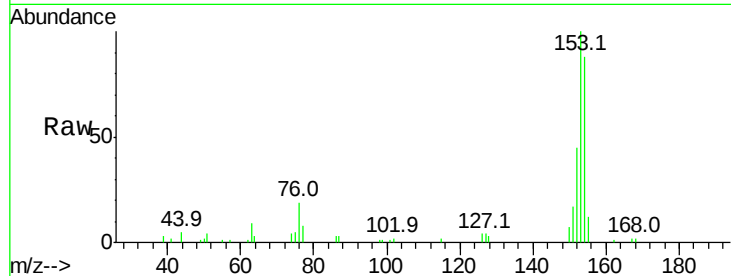
ClientSampleId :

SASP2P-ENV-118-6(5-10)DL

Tot Ion:	154	Resp:	18680
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.2	136.8
152	51.1	43.8	65.8

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#63

Phenanthrene-d10

Concen: 20.000 ng

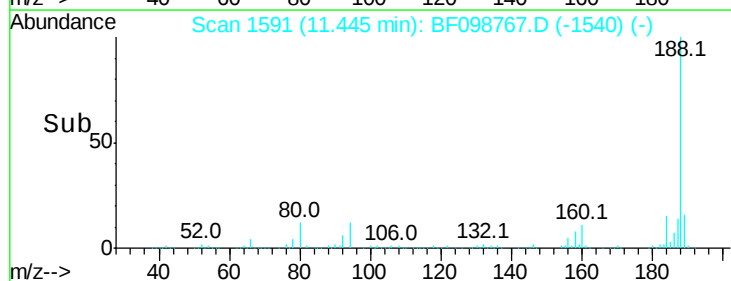
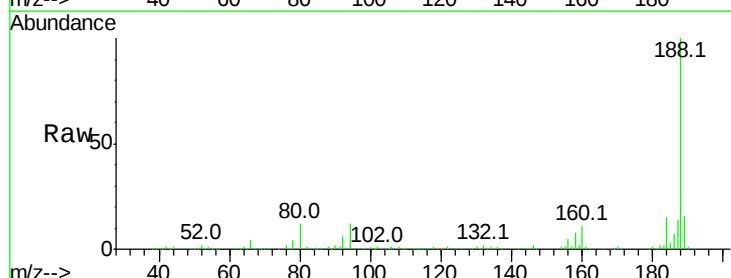
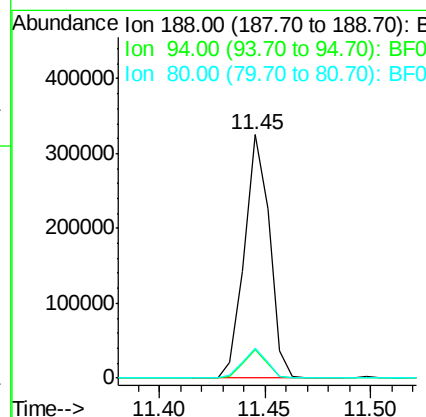
RT: 11.45 min Scan# 1591

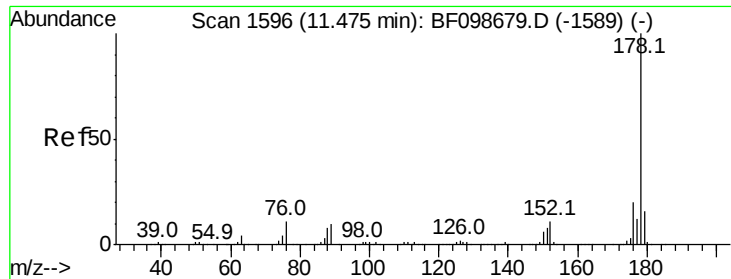
Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Tgt Ion:	188	Resp:	266865
Ion Ratio	Lower	Upper	
188	100		
94	11.5	8.5	12.7
80	12.1	9.2	13.8





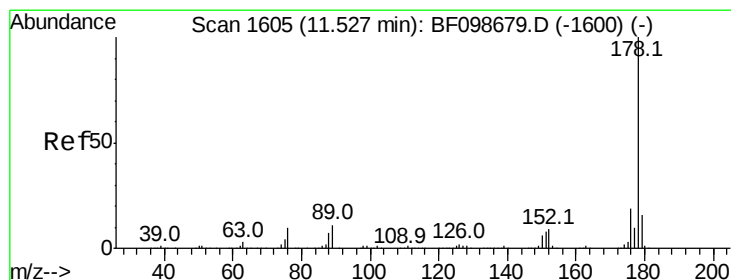
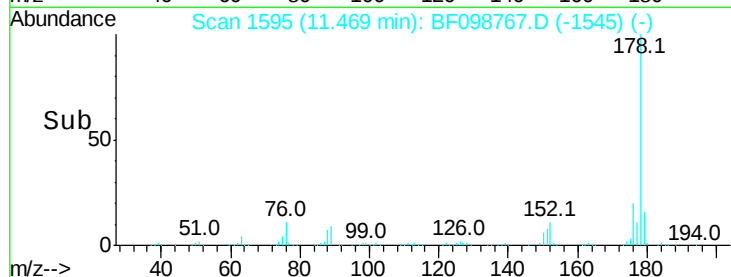
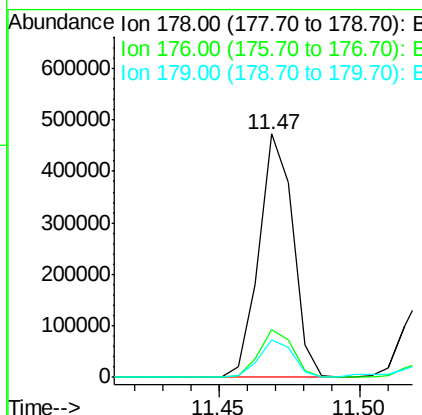
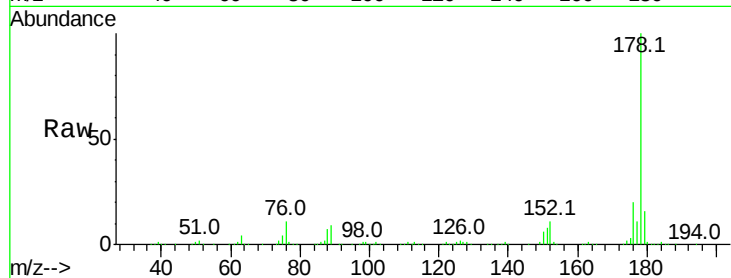
#70
Phenanthrene
Concen: 27.676 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.7	13.0	19.6

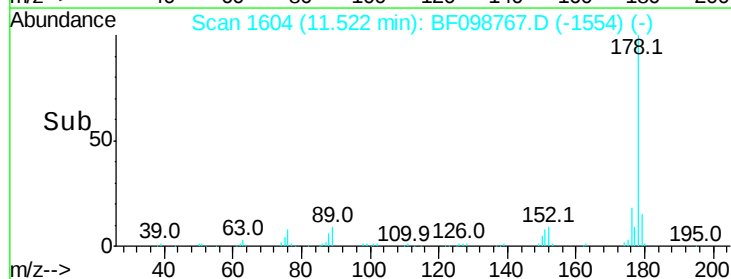
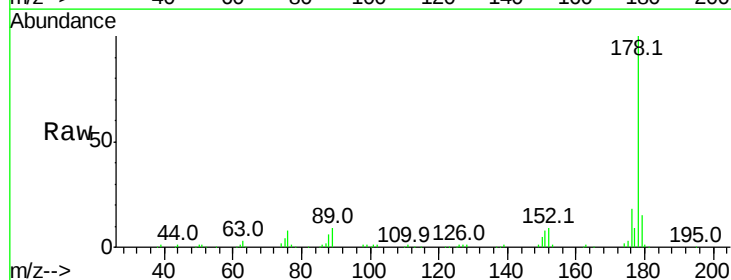
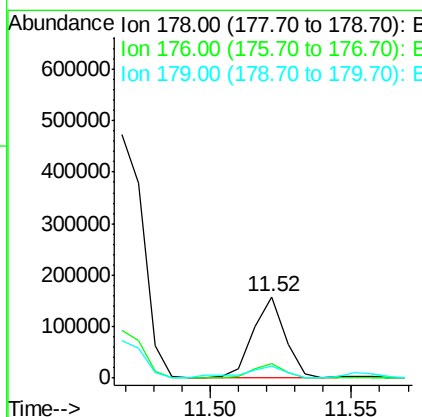
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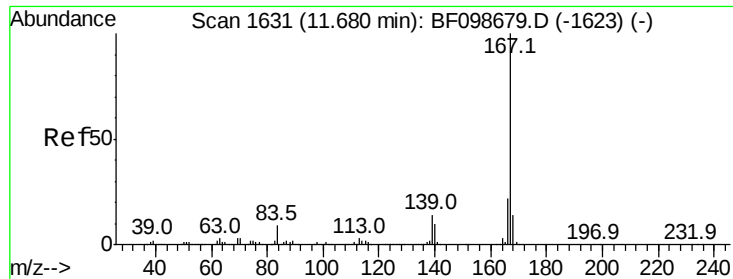
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#71
Anthracene
Concen: 8.320 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.9	12.6	19.0





#72

Carbazole

Concen: 2.906 ng

RT: 11.67 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-118-6(5-10)DL

Tot Ion:167 Resp: 41588

Ion Ratio Lower Upper

167 100

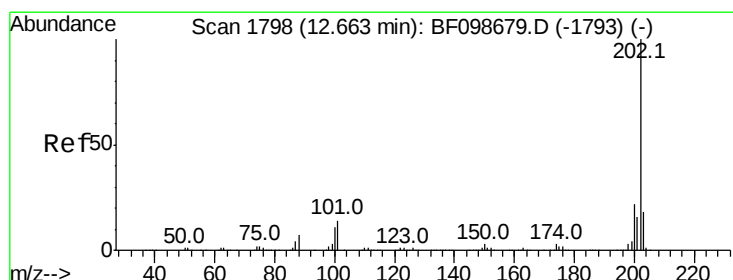
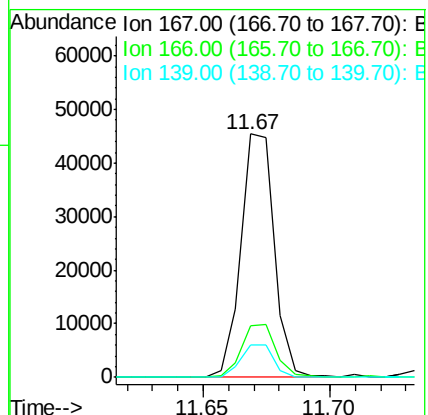
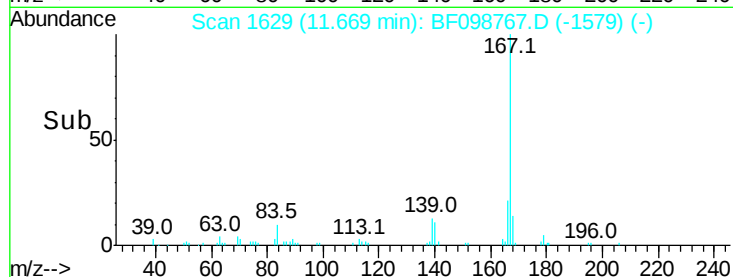
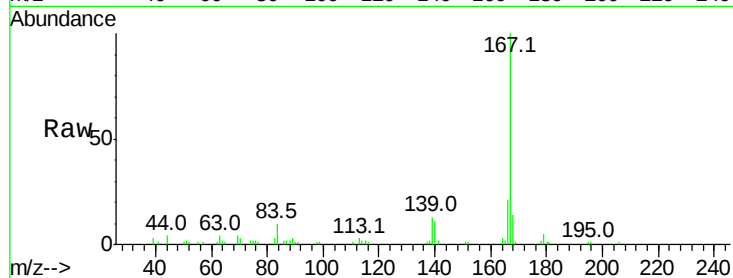
166 21.4 17.6 26.4

139 13.4 10.9 16.3

Manual Integrations
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#74

Fluoranthene

Concen: 69.844 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

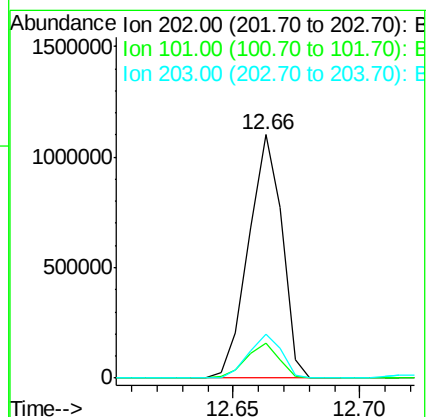
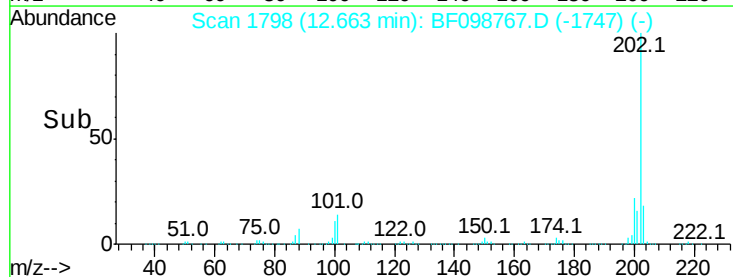
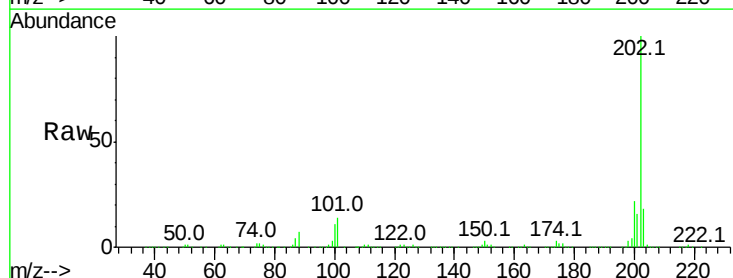
Tgt Ion:202 Resp: 1010273

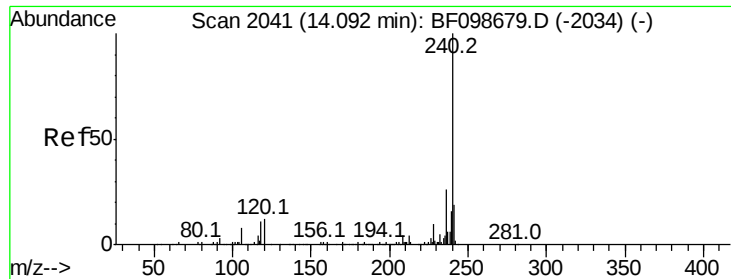
Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

ClientSampleId :

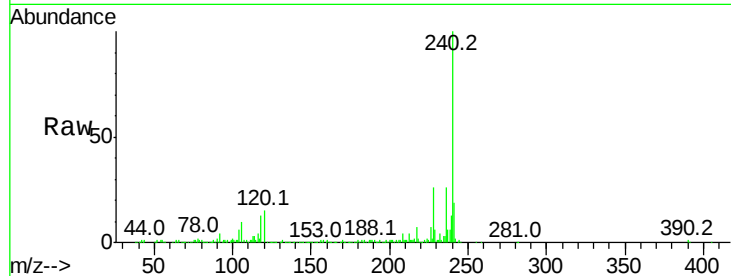
SASP2P-ENV-118-6(5-10)DL

Tot Ion:	240	Resp:	264011
Ion Ratio	Lower	Upper	
240	100		
120	14.8	9.5	14.3#
236	25.7	20.7	31.1

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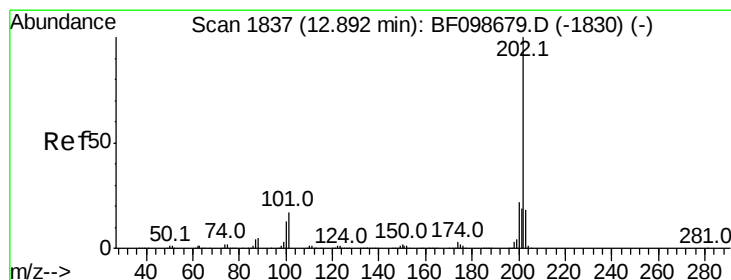
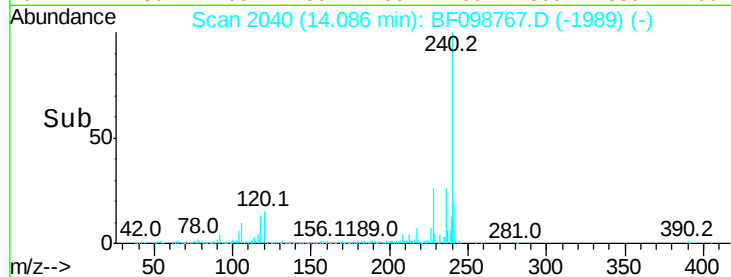
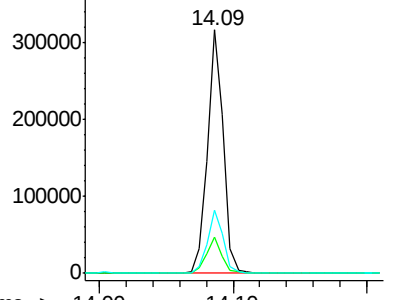
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 43.976 ng

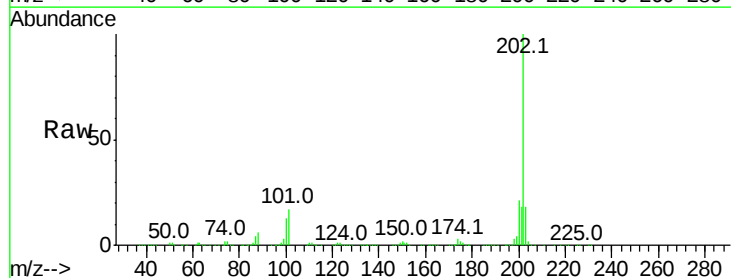
RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

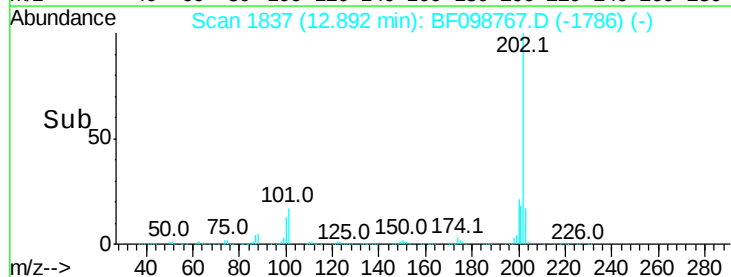
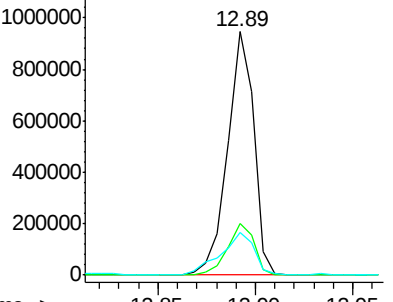
Tgt Ion:	202	Resp:	885314
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.6	14.3	21.5

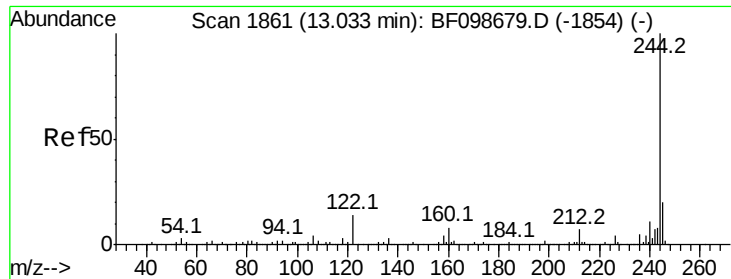


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.744 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

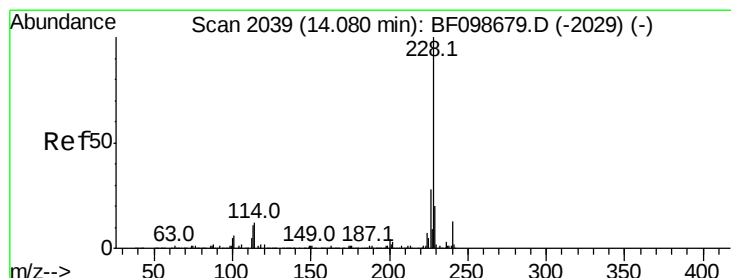
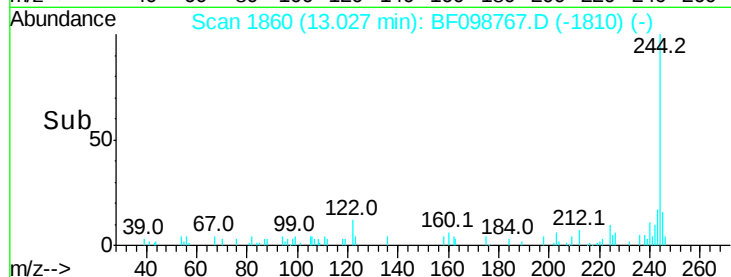
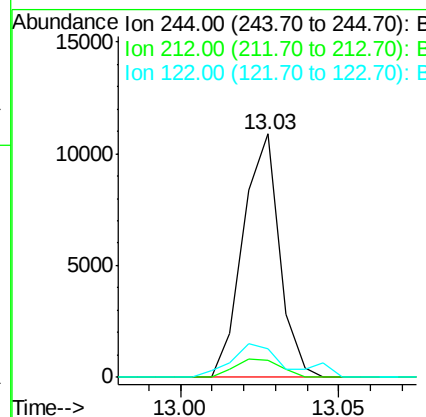
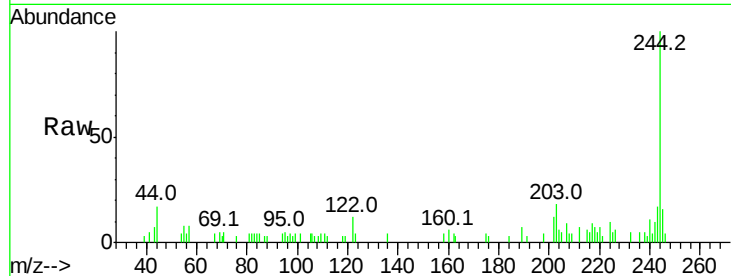
ClientSampleId :

SASP2P-ENV-118-6(5-10)DL

Tot Ion:	244	Resp:	8635
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	11.9	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 20.231 ng

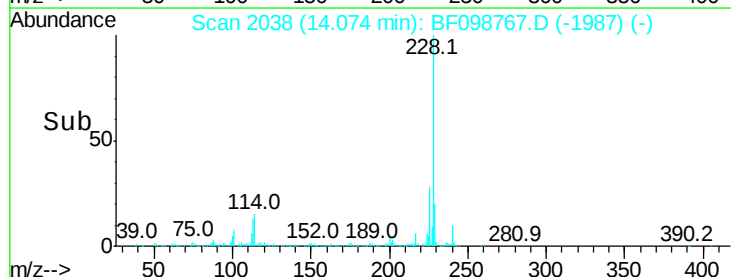
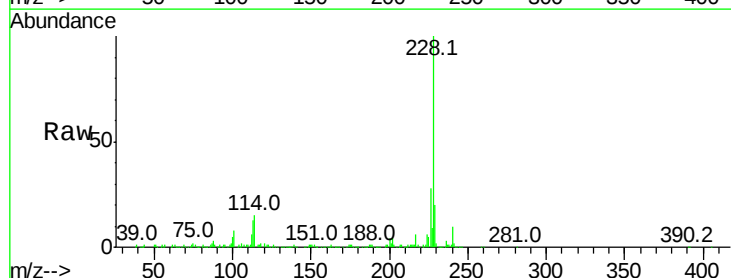
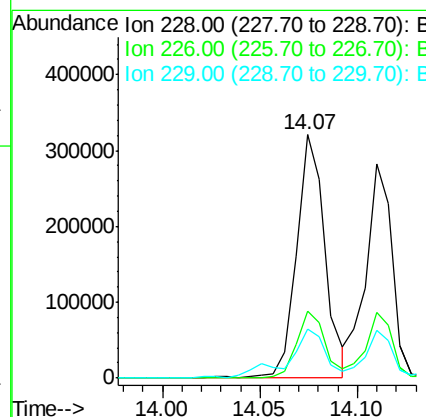
RT: 14.07 min Scan# 2038

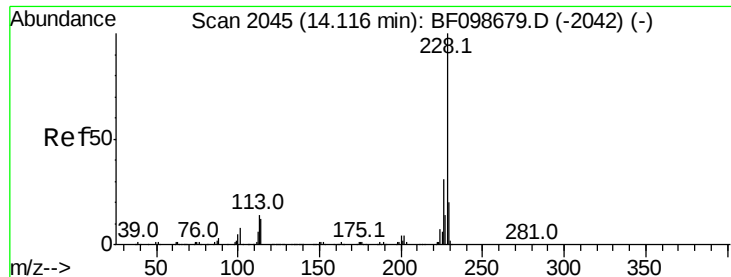
Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Tgt Ion:	228	Resp:	323430
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	20.2	15.8	23.6





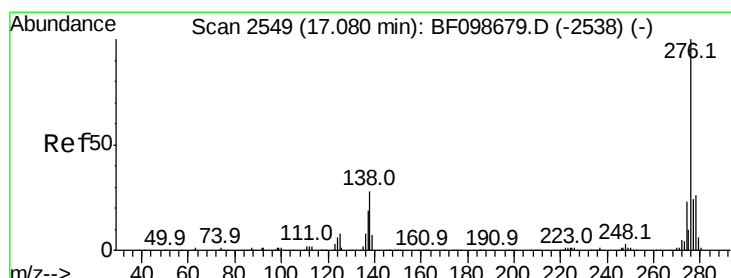
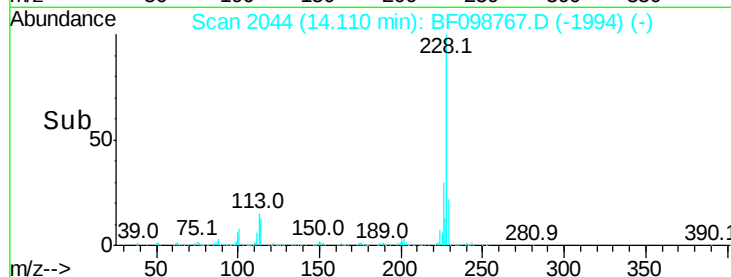
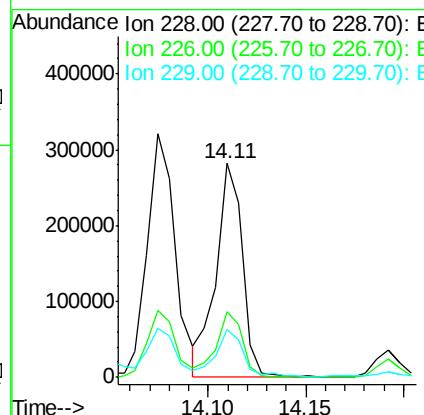
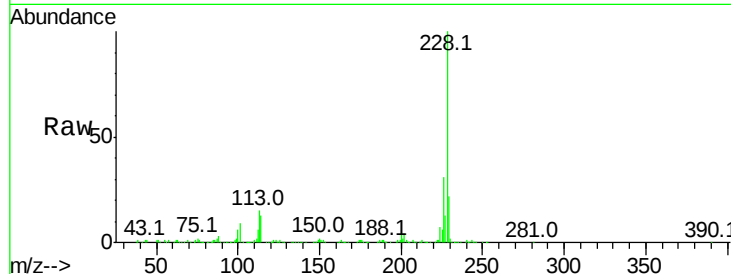
#82
Chrysene
Concen: 17.381 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-118-6(5-10)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.2	16.2	24.4

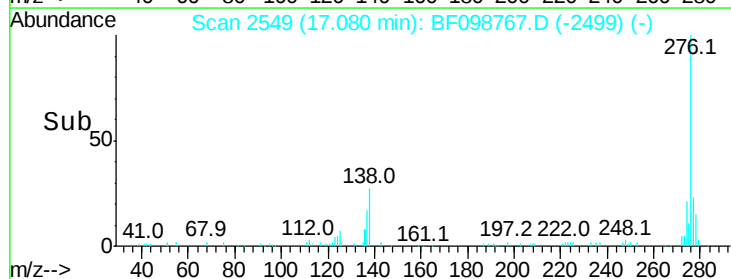
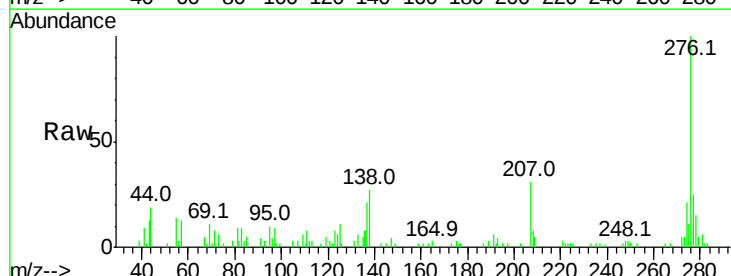
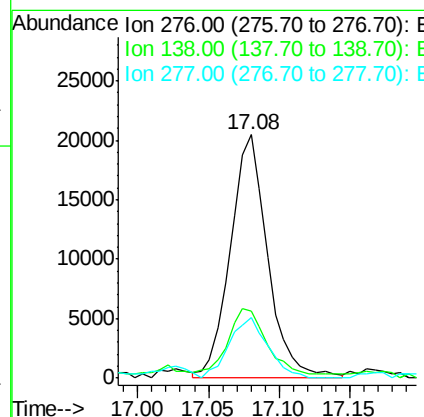
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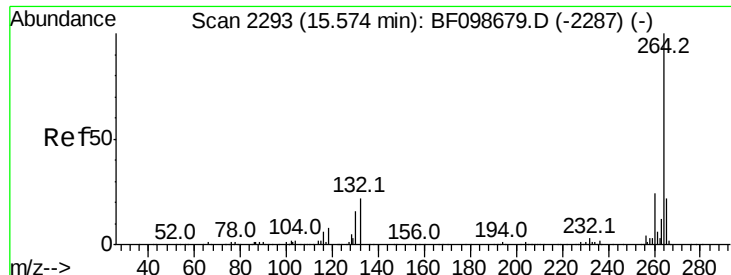
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.108 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.8	25.0	37.6
277	25.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Instrument :

BNA_F

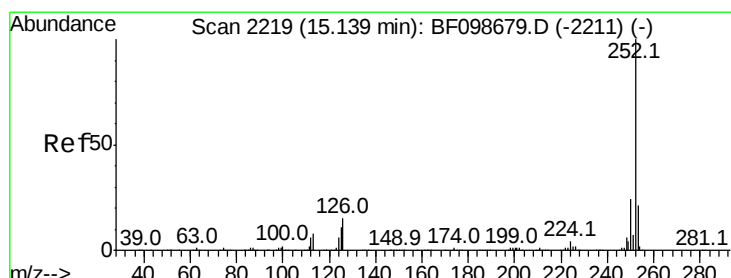
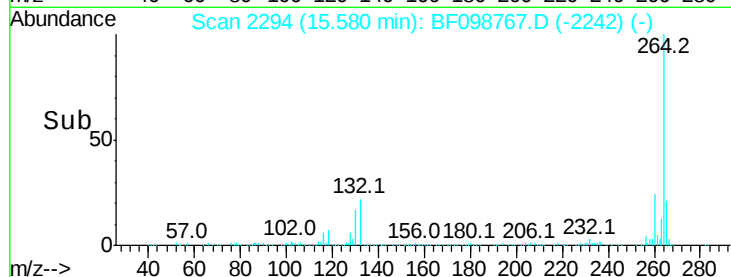
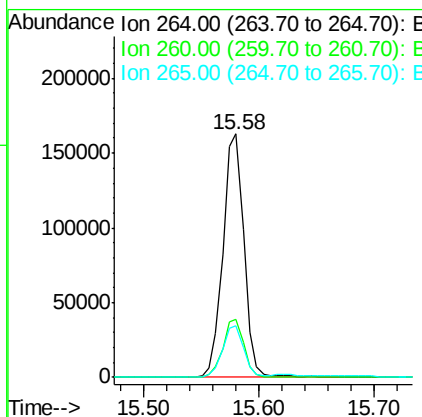
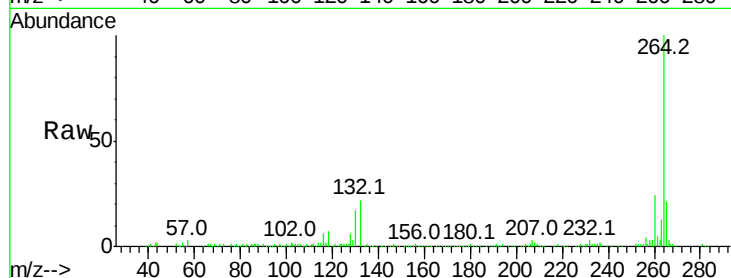
ClientSampleId :

SASP2P-ENV-118-6(5-10)DL

Tot Ion:	264	Resp:	205742
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	21.4	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 15.616 ng m

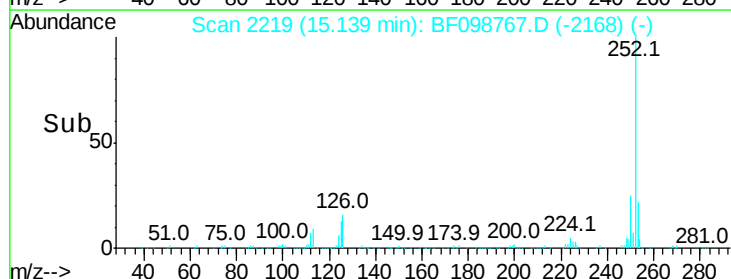
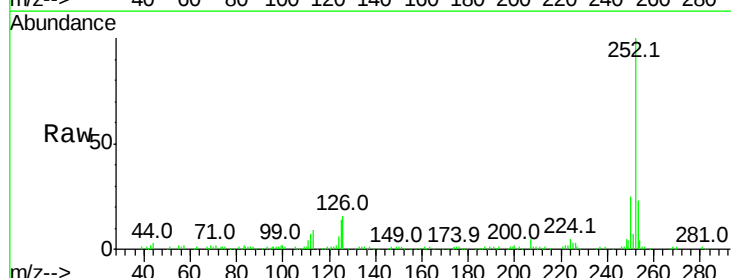
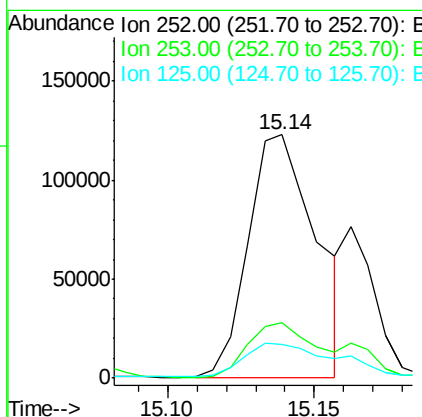
RT: 15.14 min Scan# 2219

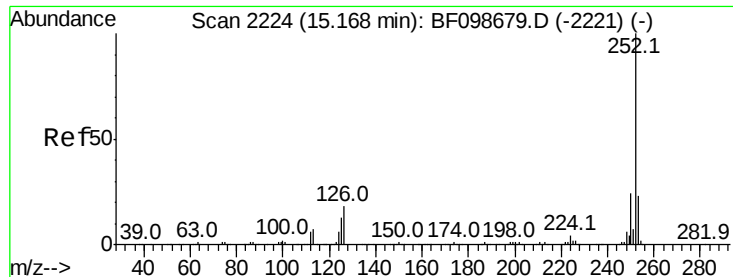
Delta R.T. 0.00 min

Lab File: BF098767.D

Acq: 24 Sep 2017 5:30

Tgt Ion:	252	Resp:	197536
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	14.0	9.0	13.6#





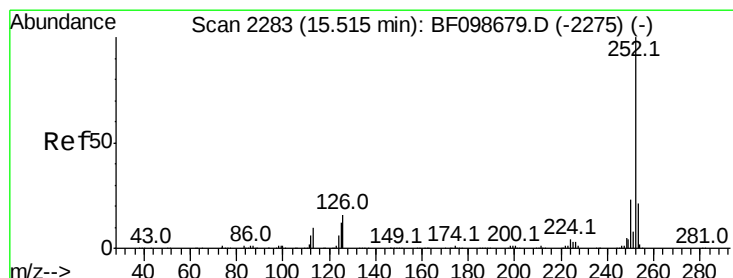
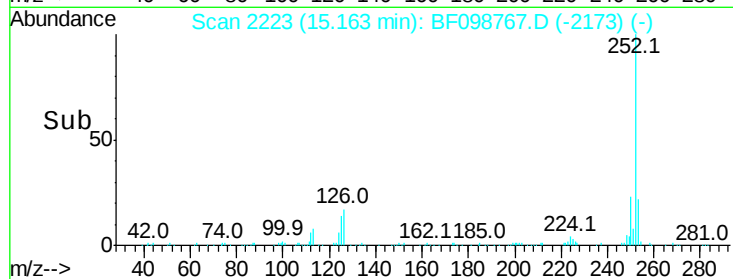
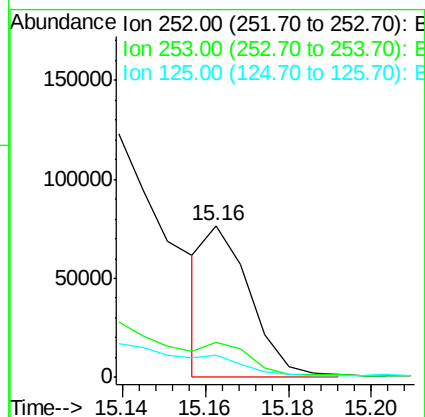
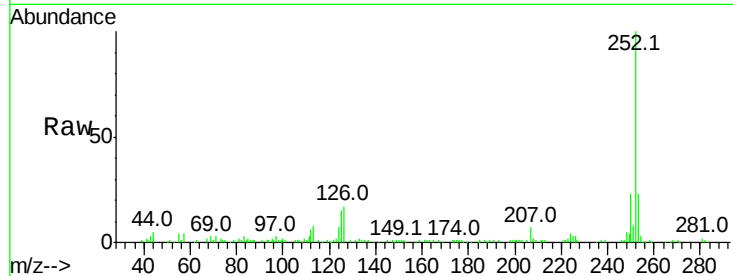
#88
Benzo(k)fluoranthene
Concen: 4.622 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-118-6(5-10)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.7	10.2	15.2

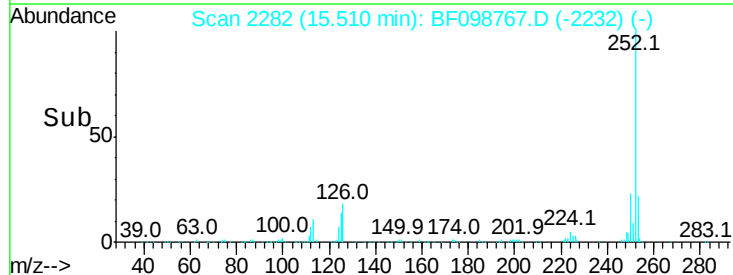
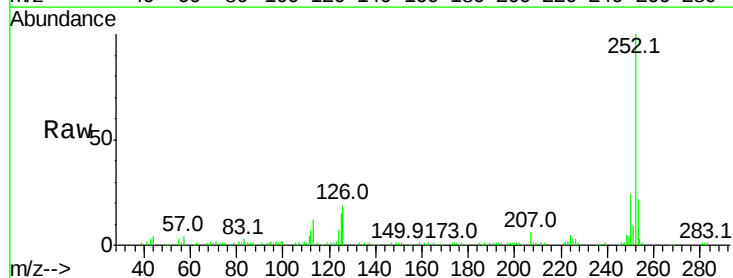
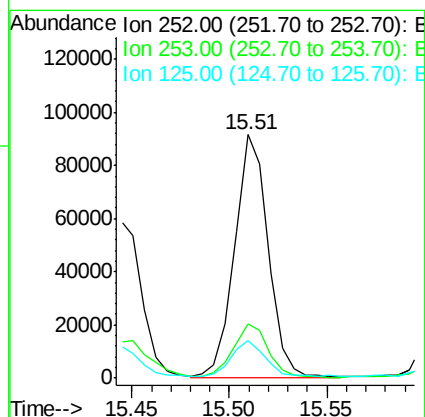
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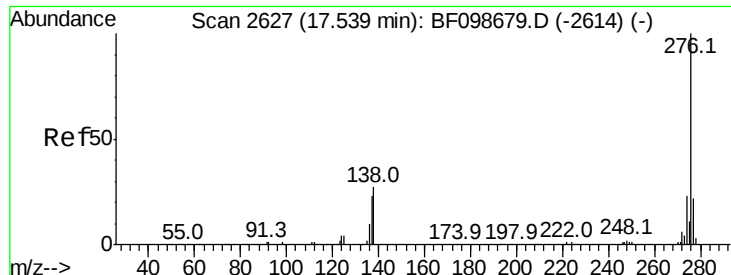
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#89
Benzo(a)pyrene
Concen: 9.391 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098767.D
Acq: 24 Sep 2017 5:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.3	9.8	14.6#





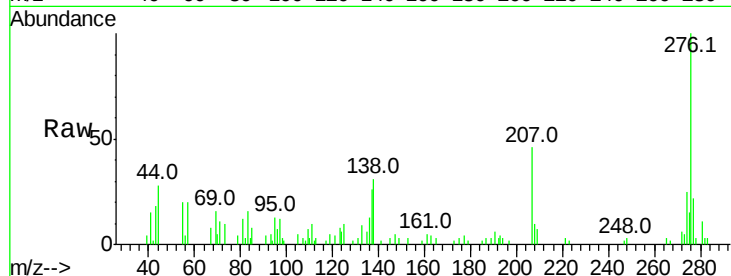
#91
 Benzo(a,h,i)perylene
 Concen: 3.369 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF098767.D
 Acq: 24 Sep 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-ENV-118-6(5-10)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.9	17.9	26.9
138	30.6	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

