

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098926.D
 Acq On : 29 Sep 2017 00:20
 Operator : SJ/JU
 Sample : I5481-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-092717

Manual Integrations
 APPROVED

Sohil
 9/29/2017 6:04:45 PM

Quant Time: Sep 29 11:58:01 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	145888	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	551460	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	208035	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	302638	20.00	ng	0.00
75) Chrysene-d12	14.09	240	265670	20.00	ng	0.00
86) Perylene-d12	15.58	264	223578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	457951	49.97	ng	0.00
7) Phenol-d6	6.53	99	536370	47.44	ng	-0.01
23) Nitrobenzene-d5	7.47	82	318294	37.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	69209	40.66	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	534921	42.93	ng	-0.01
78) Terphenyl-d14	13.03	244	356207	30.49	ng	0.00
Target Compounds						
48) Acenaphthylene	9.82	152	63879	3.108	ng	99
49) Dimethylphthalate	9.66	163	85983	5.476	ng	# 97
70) Phenanthrene	11.46	178	33185	2.049	ng	97
71) Anthracene	11.52	178	41928	2.530	ng	99
74) Fluoranthene	12.66	202	89228	5.440	ng	97
77) Pyrene	12.89	202	101463	5.008	ng	97
80) Benzo(a)anthracene	14.07	228	75312m	4.682	ng	
82) Chrysene	14.11	228	95289	6.222	ng	95
85) Indeno(1,2,3-cd)pyrene	17.09	276	65625	5.356	ng	98
87) Benzo(b)fluoranthene	15.14	252	154589m	11.246	ng	
88) Benzo(k)fluoranthene	15.16	252	40458m	2.980	ng	
89) Benzo(a)pyrene	15.52	252	94675	7.503	ng	# 89
91) Benzo(a,h,i)perylene	17.56	276	66733	6.685	ng	94

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

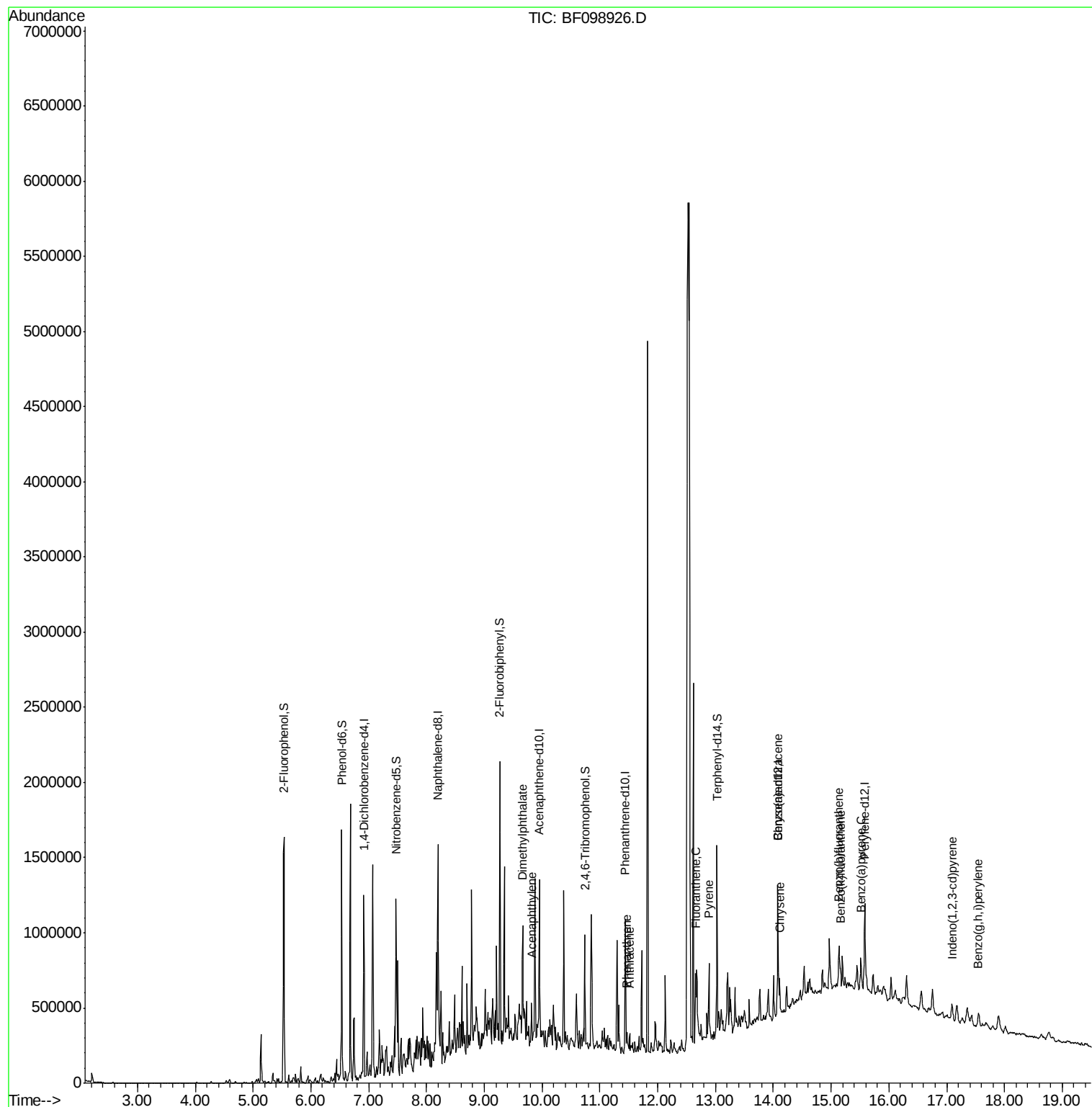
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

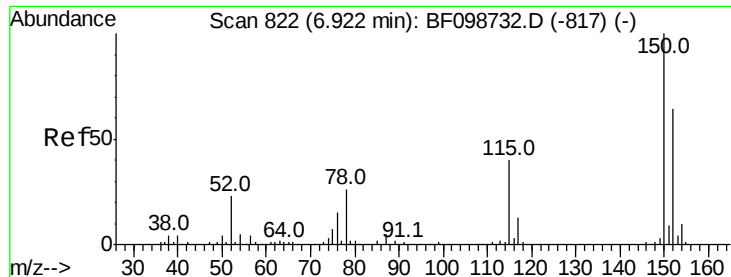
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#1

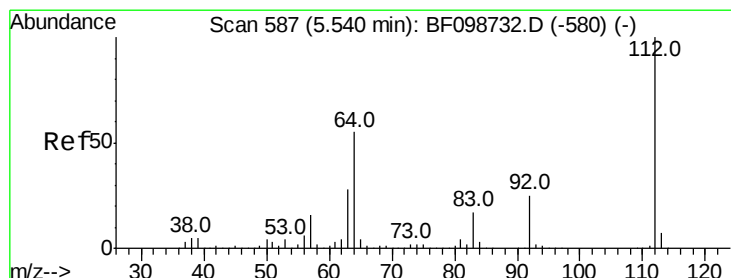
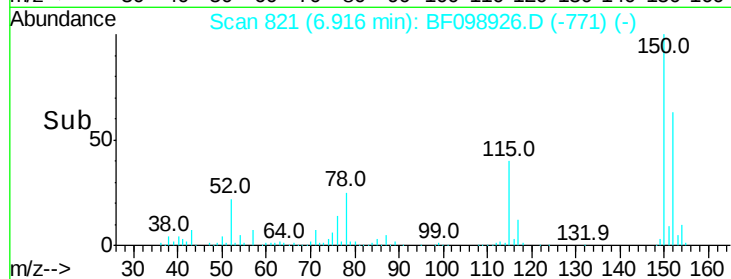
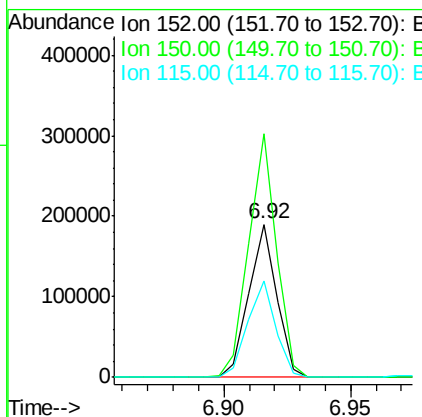
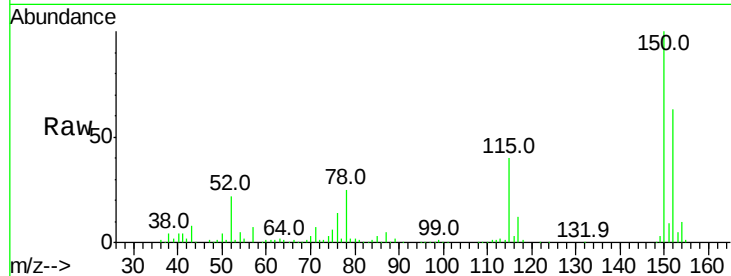
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-092717

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	63.2	50.1	75.1

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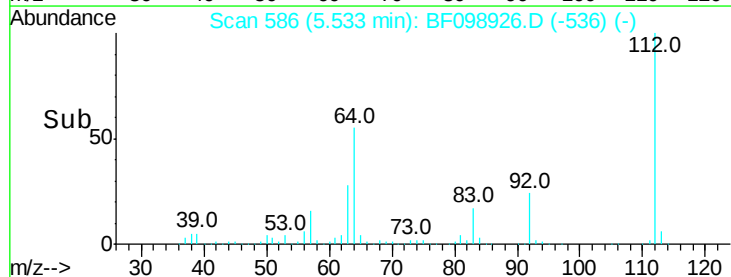
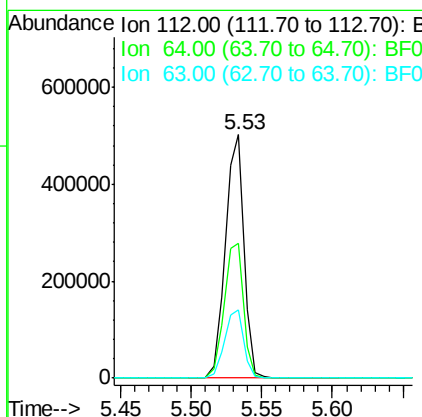
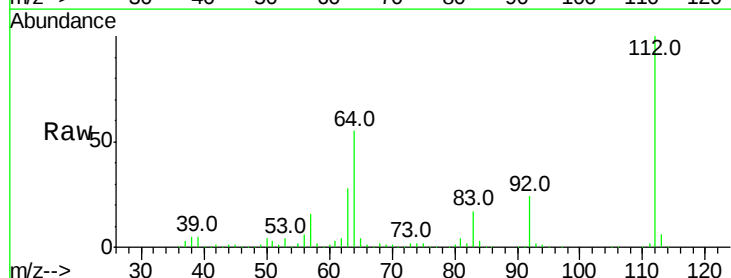
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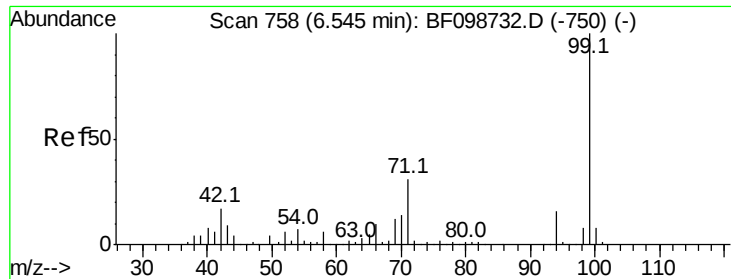


#5

2-Fluorophenol
Concen: 49.971 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 47.444 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

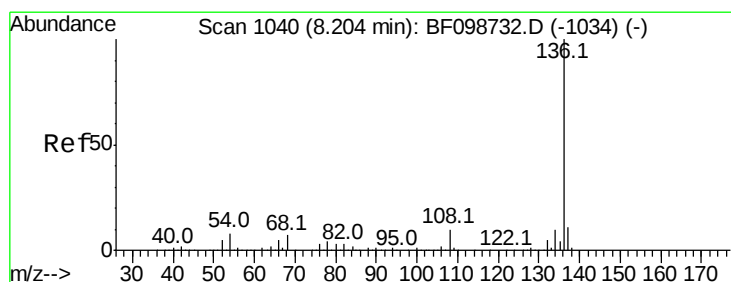
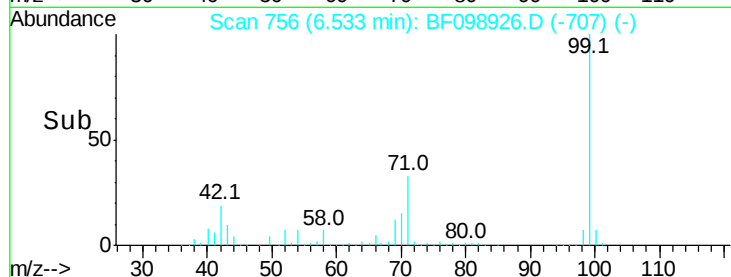
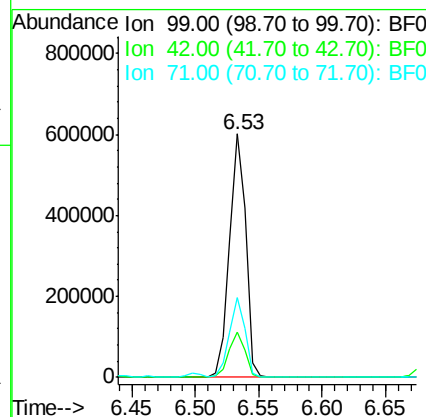
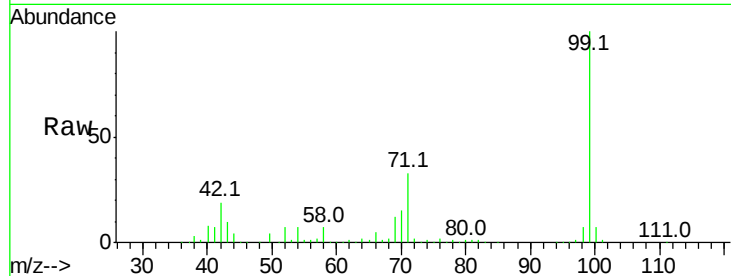
ClientSampleId :

HR-06-092717

Tot Ion:	99	Resp:	536370
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

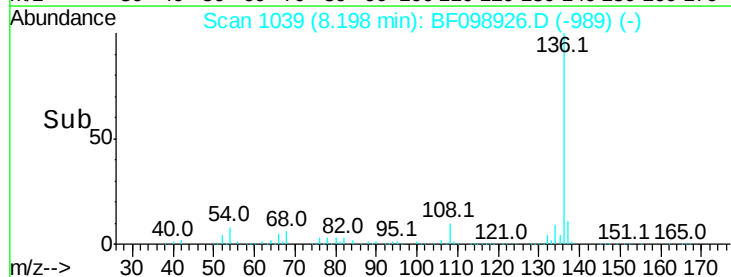
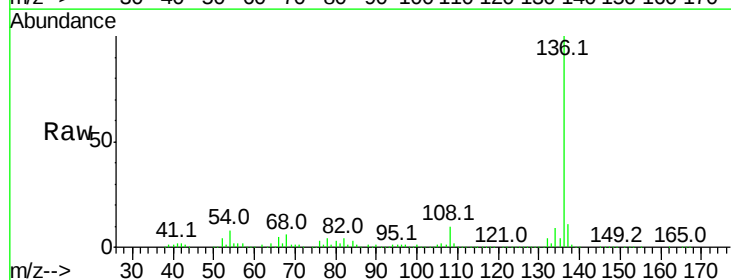
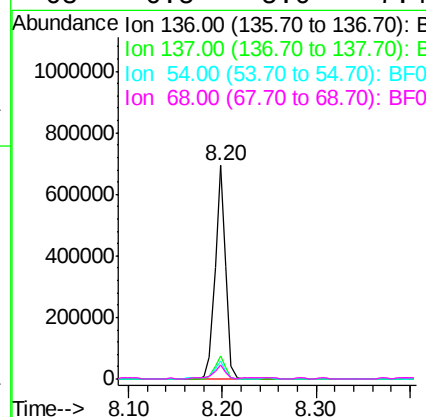
RT: 8.20 min Scan# 1039

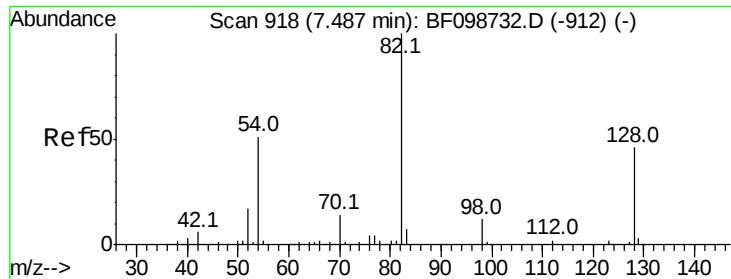
Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Tgt Ion:	136	Resp:	551460
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.3	6.6	9.8
68	6.5	5.0	7.4





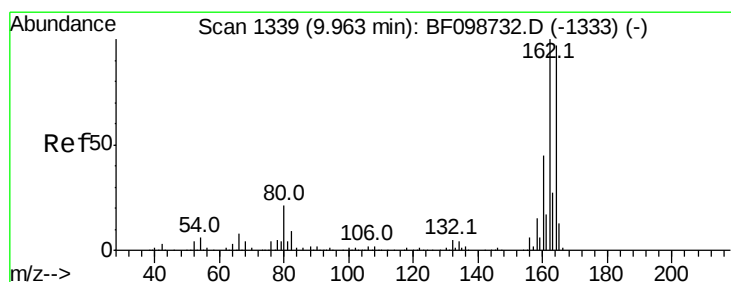
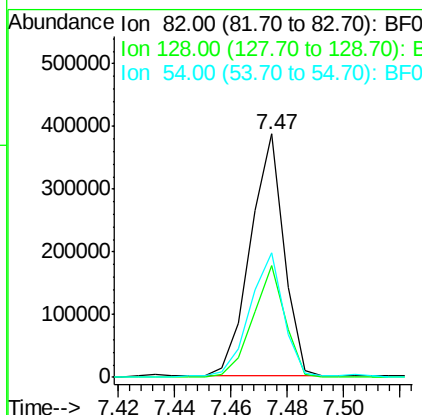
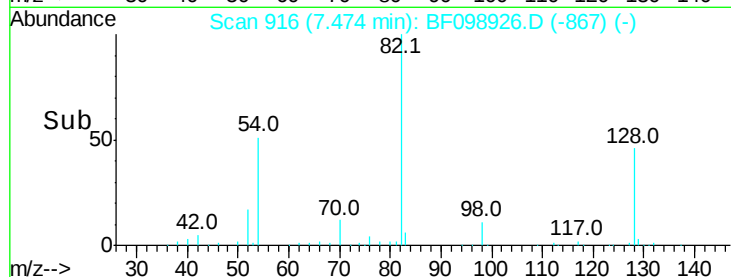
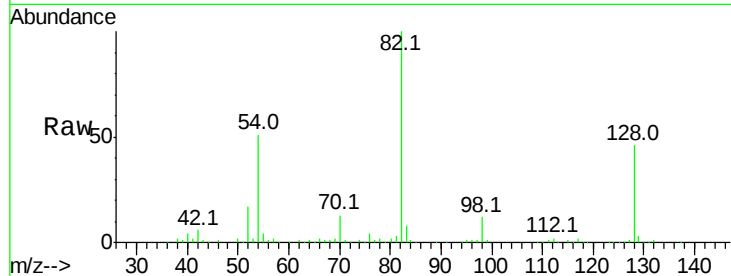
#23
 Nitrobenzene-d5
 Concen: 37.015 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Instrument :
 BNA_F
 ClientSampled :
 HR-06-092717

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.0	36.1	54.1	
54	51.2	41.4	62.2	

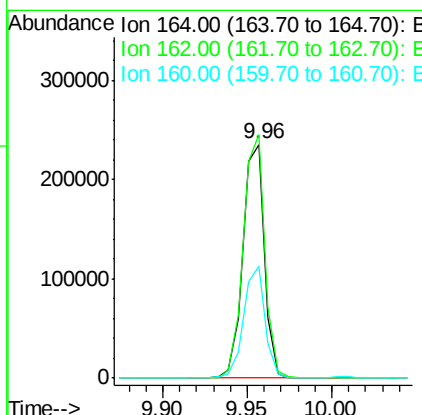
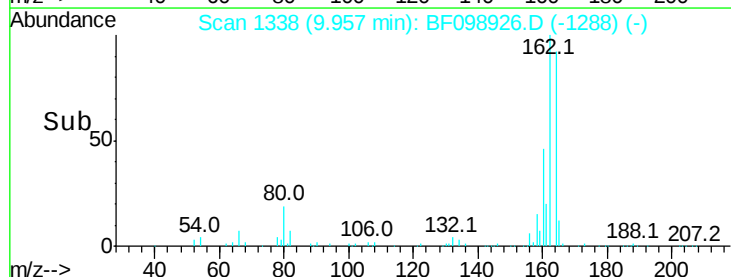
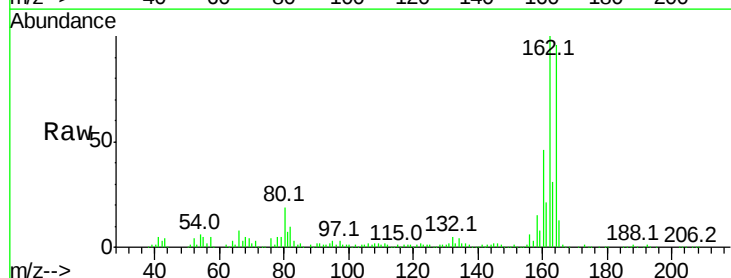
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	86.1	129.1	
160	47.7	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 40.656 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampled :

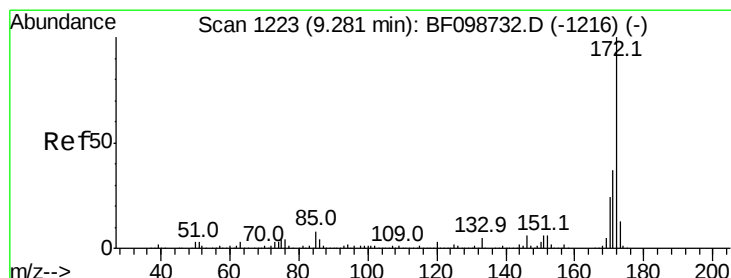
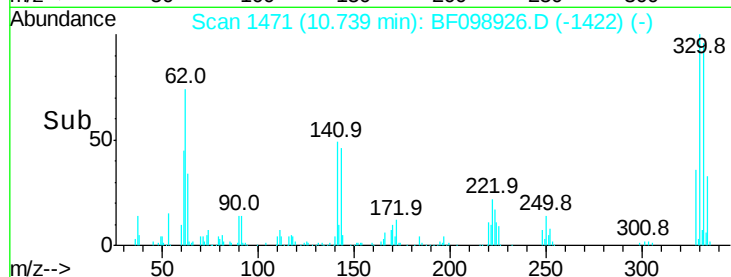
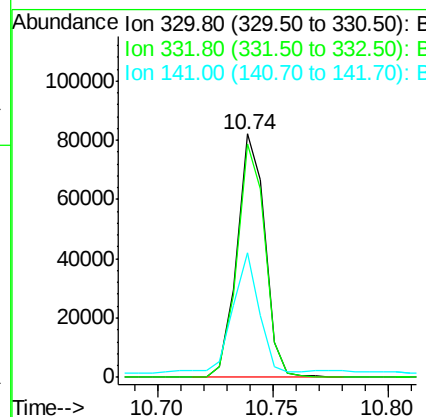
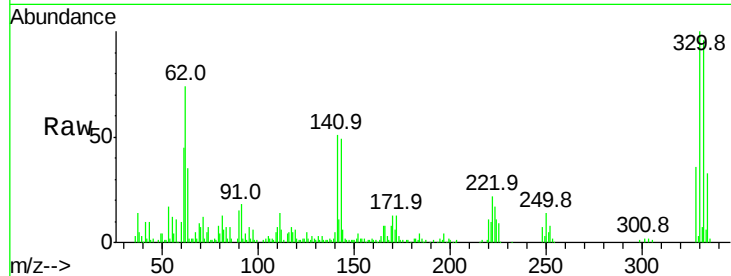
HR-06-092717

Tot Ion:	330	Resp:	69209
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.0	115.6
141	48.1	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 42.926 ng

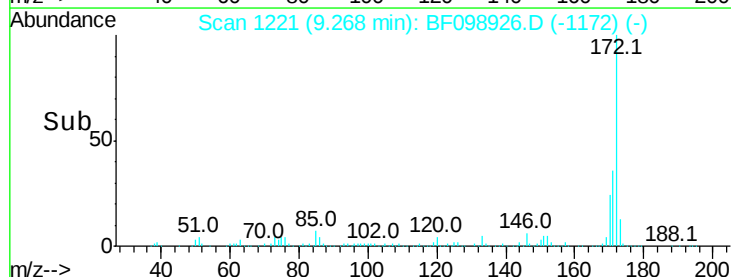
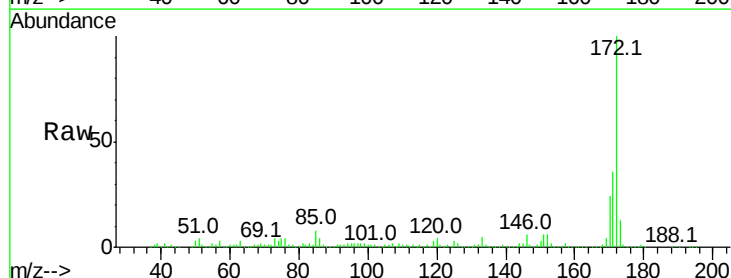
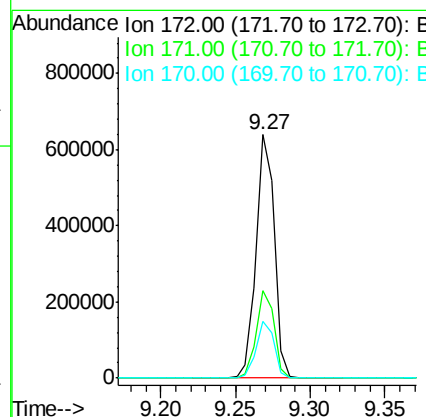
RT: 9.27 min Scan# 1221

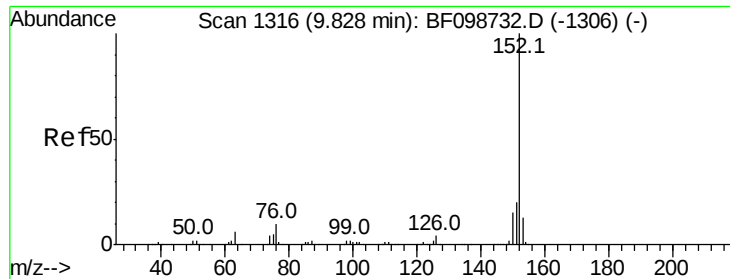
Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Tgt Ion:	172	Resp:	534921
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	23.6	19.6	29.4





#48

Acenaphthylene

Concen: 3.108 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampled :

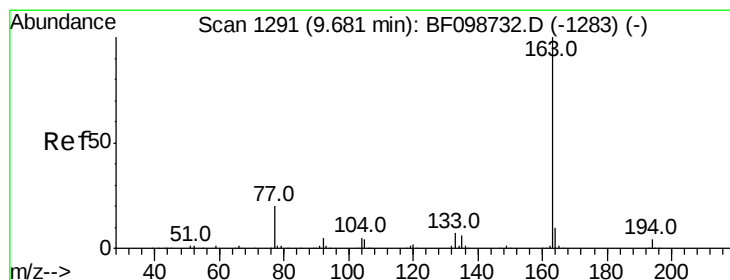
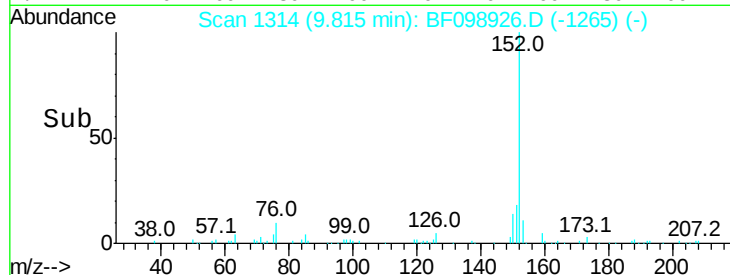
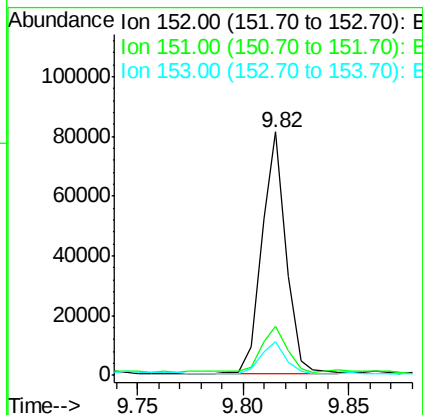
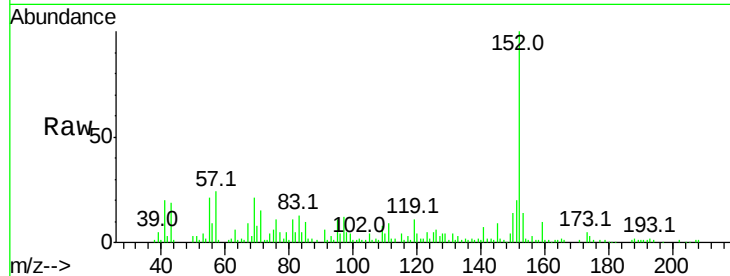
HR-06-092717

Tot Ion:	152	Resp:	63879
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.8	10.7	16.1

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#49

Dimethylphthalate

Concen: 5.476 ng

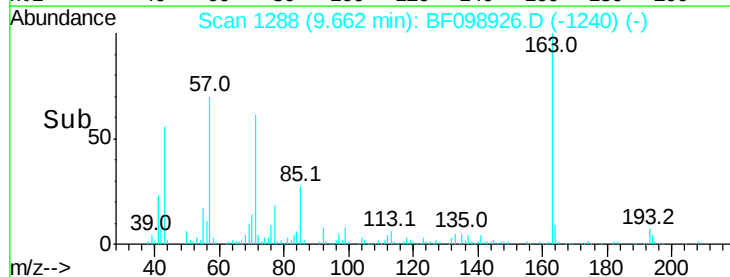
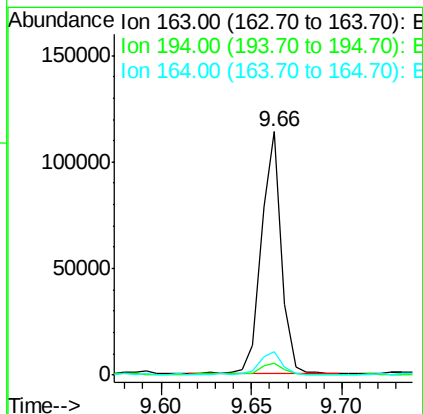
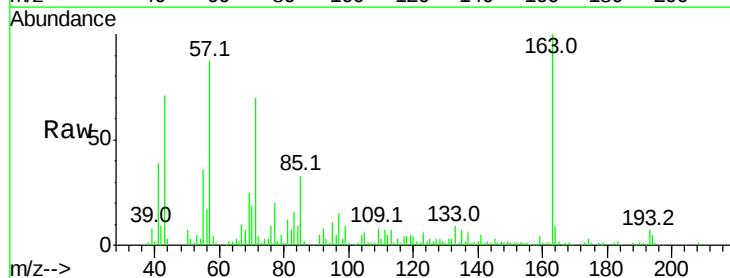
RT: 9.66 min Scan# 1288

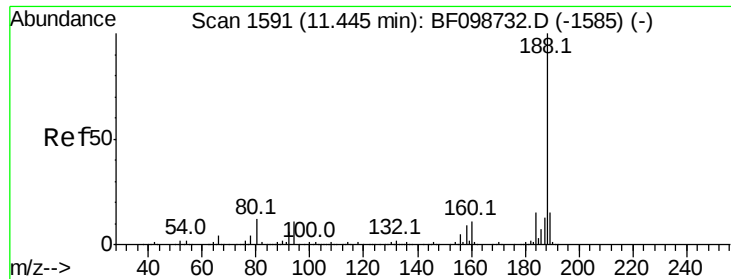
Delta R.T. -0.02 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Tgt Ion:	163	Resp:	85983
Ion Ratio	Lower	Upper	
163	100		
194	4.8	2.7	4.1#
164	9.5	8.2	12.2





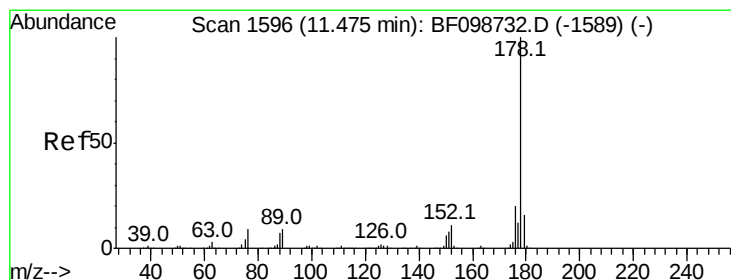
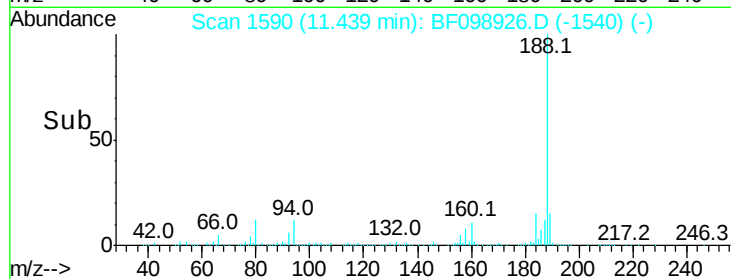
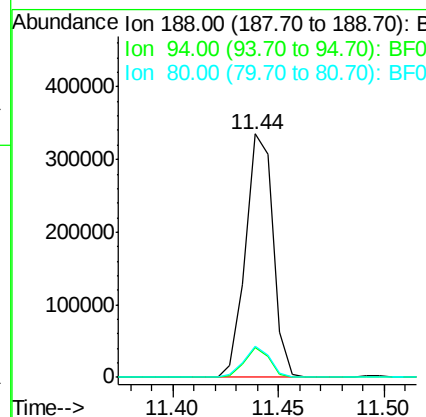
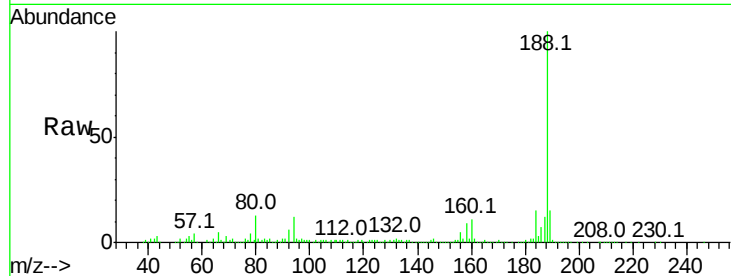
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Instrument :
BNA_F
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HR-06-092717

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.2	8.5	12.7
80	12.6	9.2	13.8

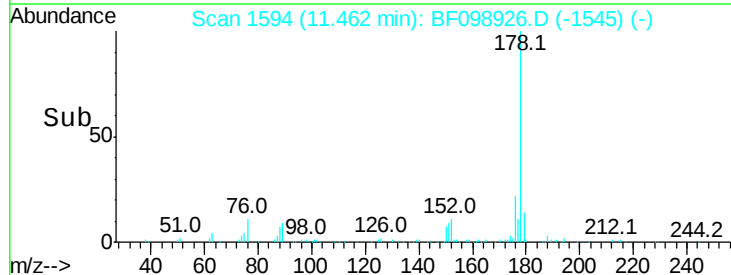
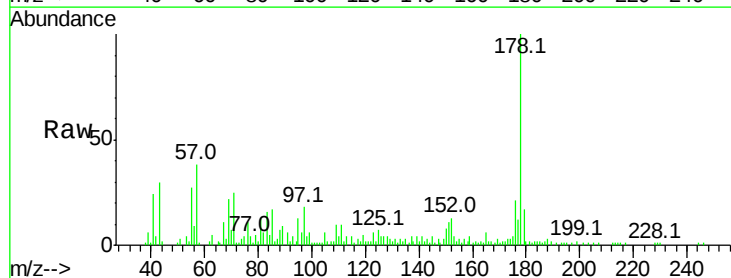
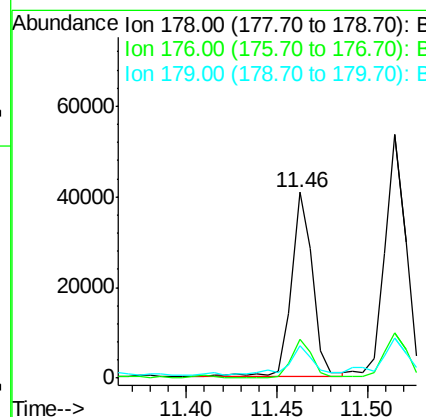
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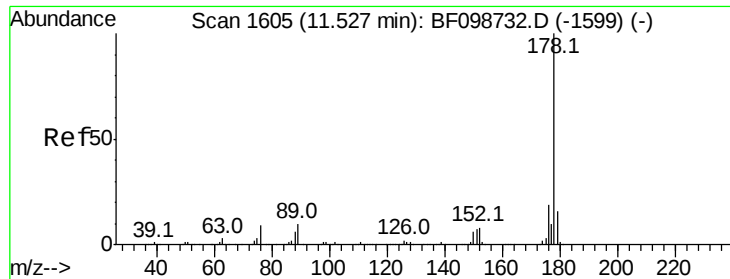
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#70
Phenanthrene
Concen: 2.049 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	21.1	15.8	23.8
179	17.3	13.0	19.6





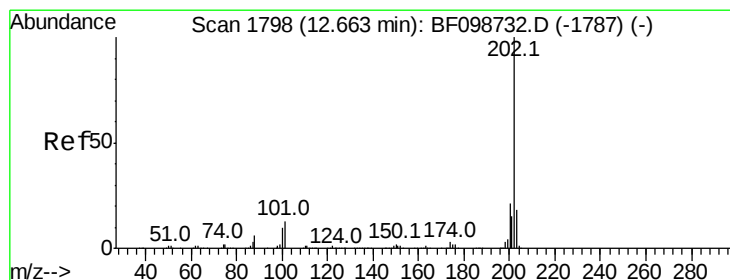
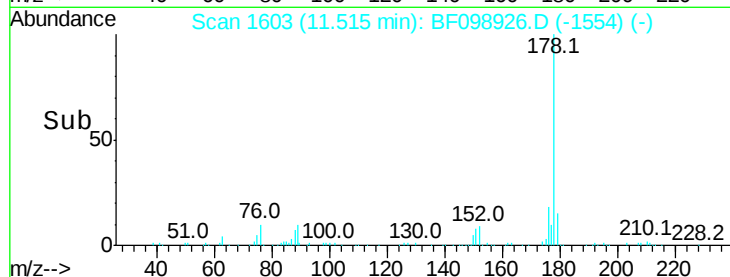
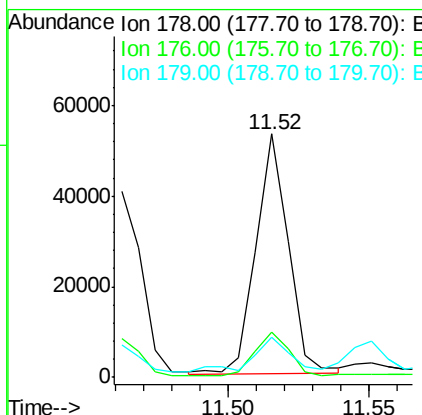
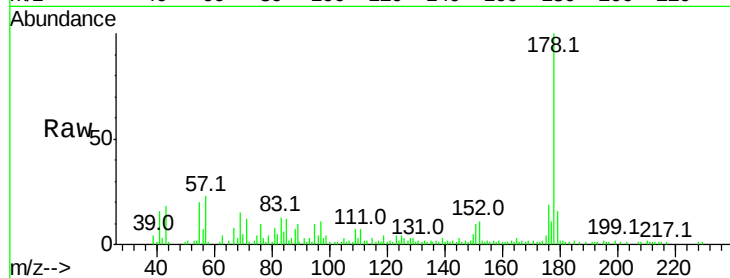
#71
 Anthracene
 Concen: 2.530 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-092717

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.3	12.6	19.0

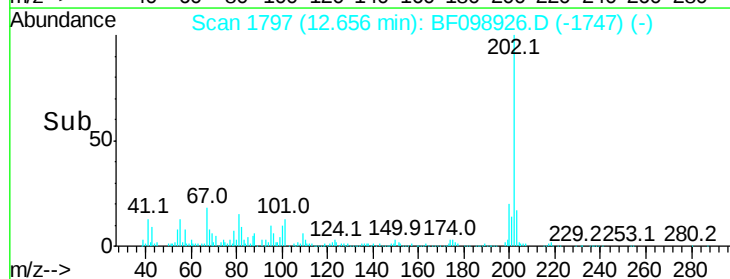
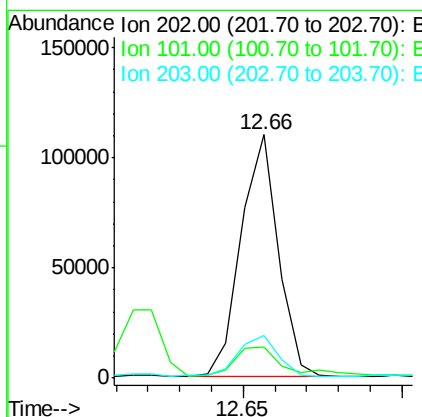
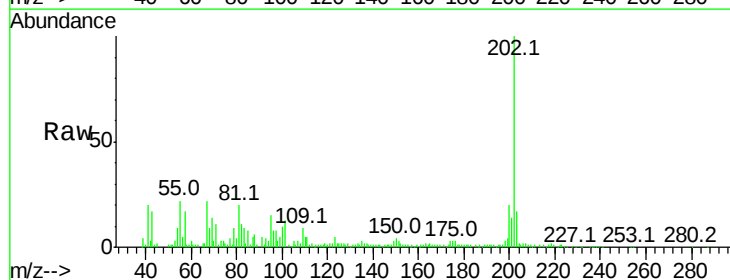
Manual Integrations
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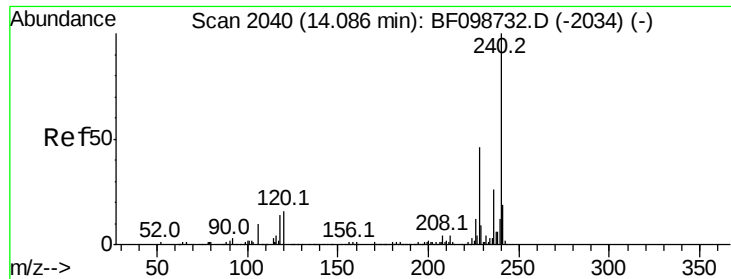
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#74
 Fluoranthene
 Concen: 5.440 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.4	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: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

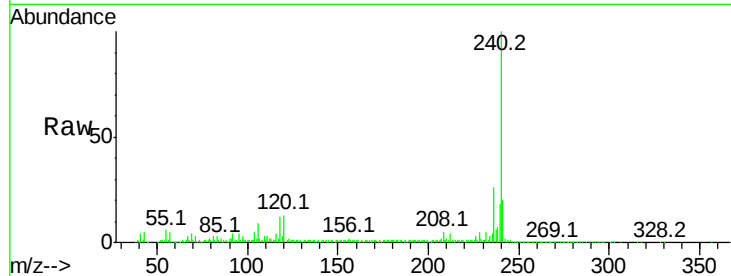
ClientSampleId :

HR-06-092717

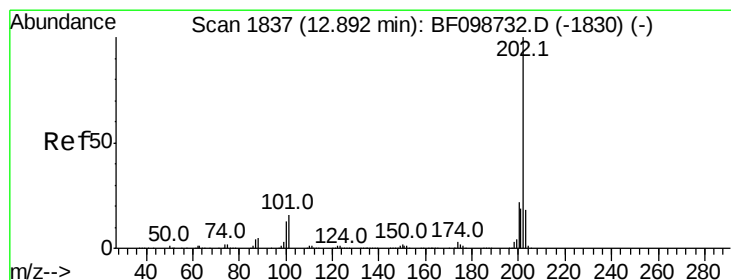
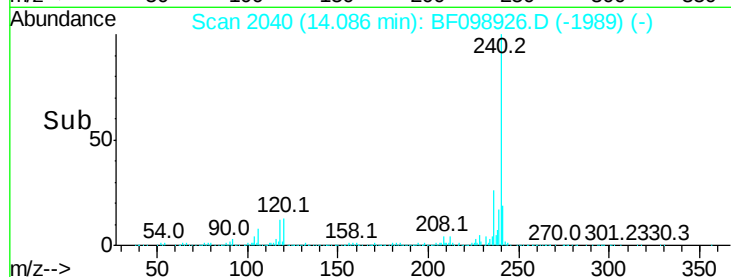
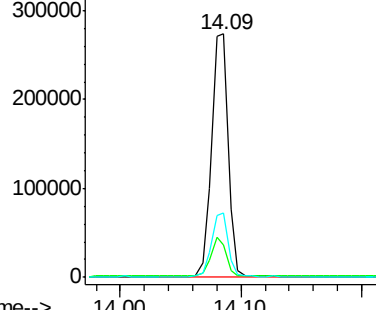
Tot Ion:	240	Resp:	265670
Ion Ratio	Lower	Upper	
240	100		
120	13.2	9.5	14.3
236	26.4	20.7	31.1

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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: 5.008 ng

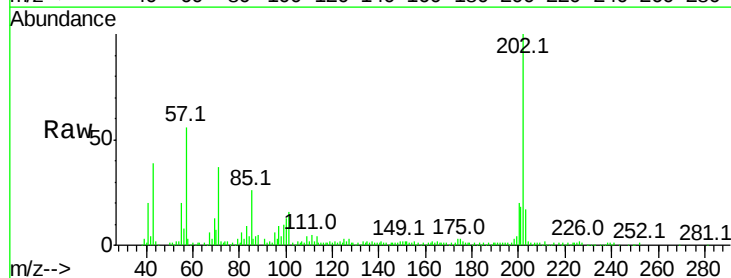
RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

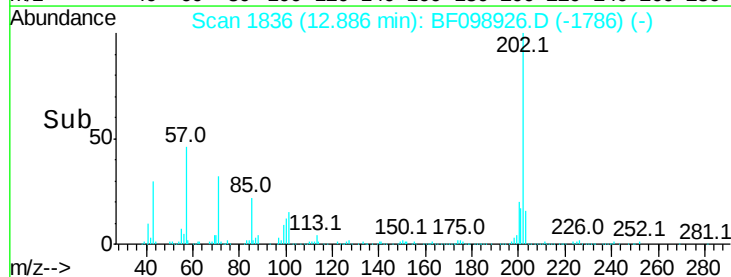
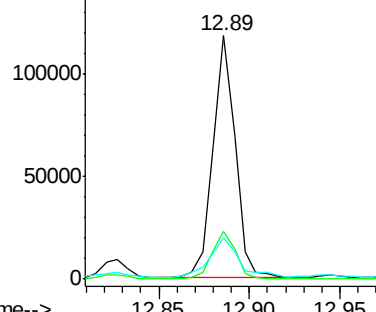
Lab File: BF098926.D

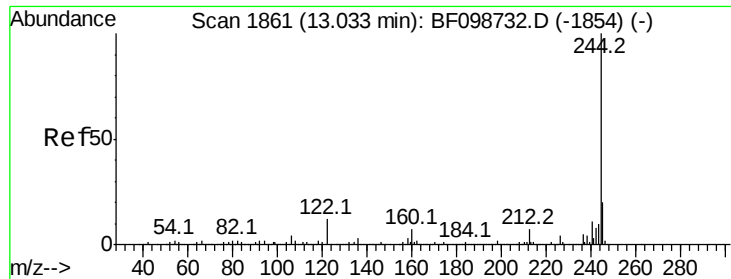
Acq: 29 Sep 2017 00:20

Tgt Ion:	202	Resp:	101463
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.4	26.2
203	17.0	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





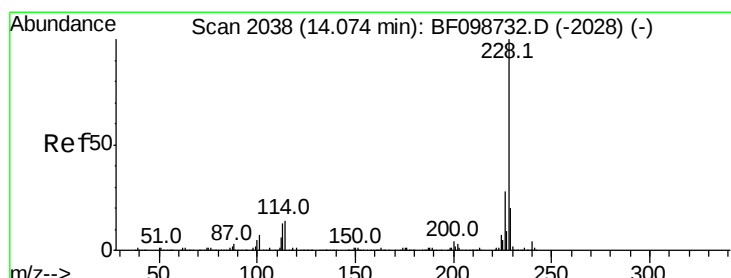
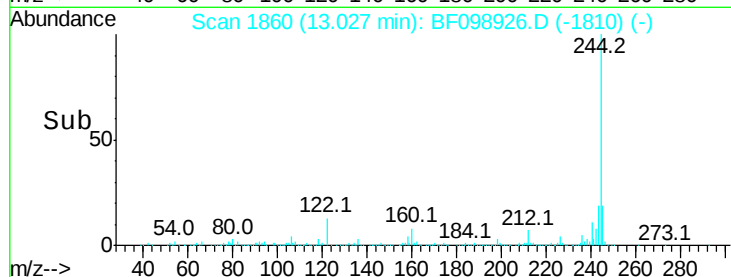
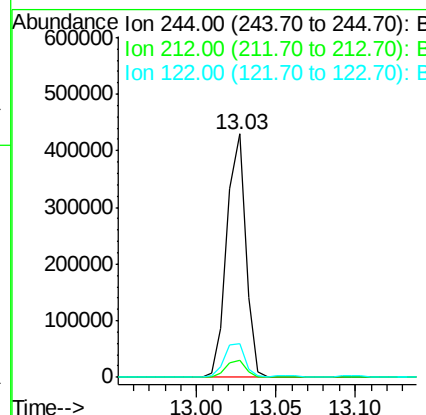
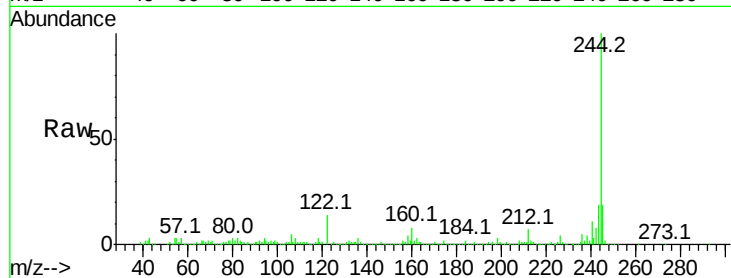
#78
 Terphenyl-d14
 Concen: 30.492 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-092717

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.6	11.0	16.4

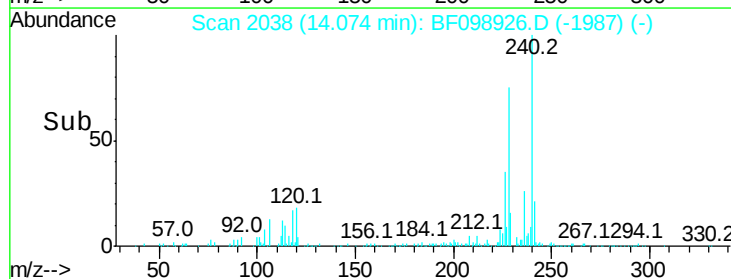
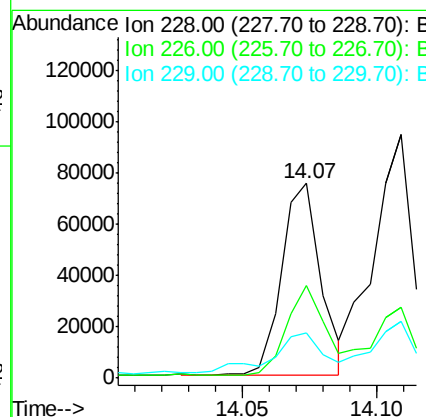
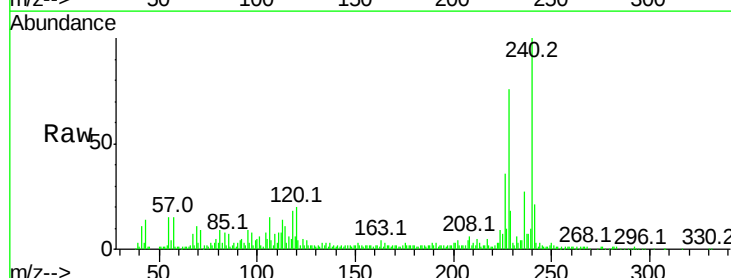
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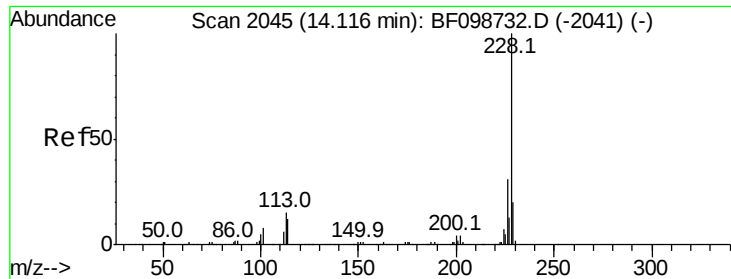
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#80
 Benzo(a)anthracene
 Concen: 4.682 ng m
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	47.8	22.6	33.8#
229	23.4	15.8	23.6





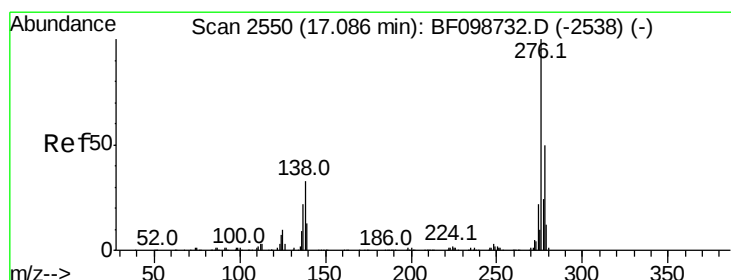
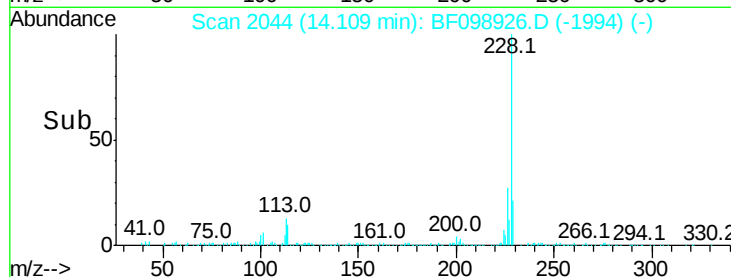
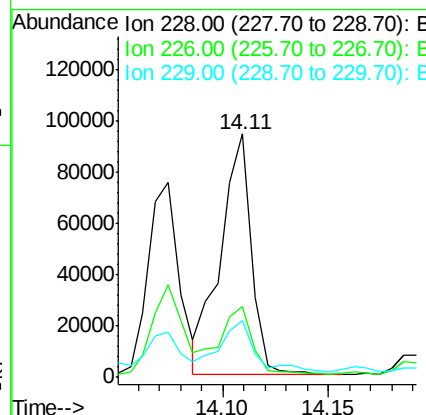
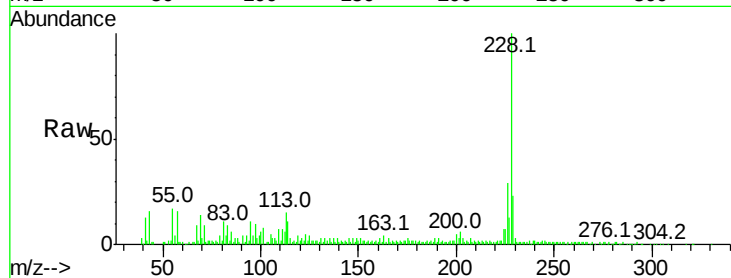
#82
Chrysene
Concen: 6.222 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-092717

Tot Ion:	228	Resp:	95289
Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.6
229	23.4	16.2	24.4

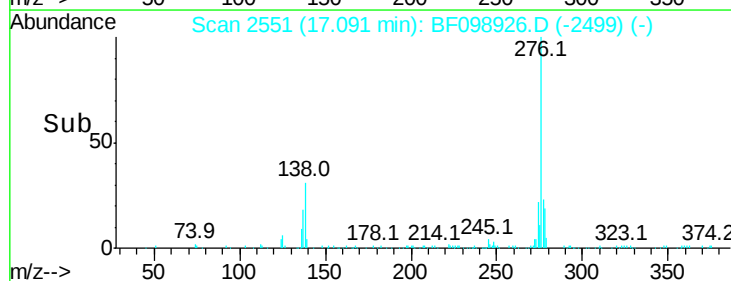
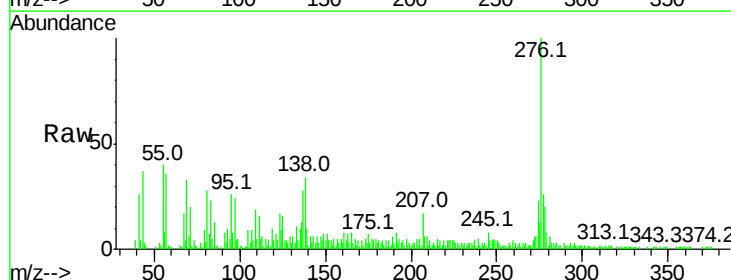
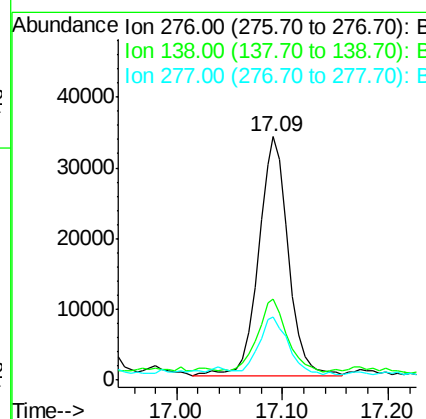
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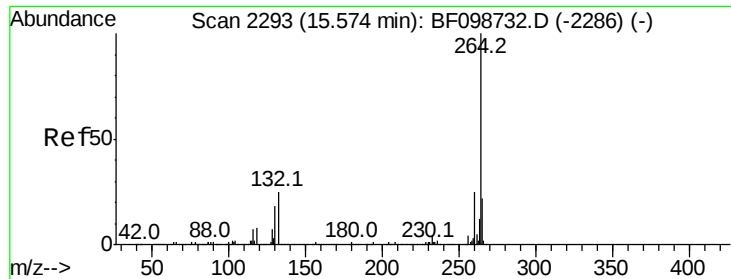
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.356 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion:	276	Resp:	65625
Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.7	20.1	30.1





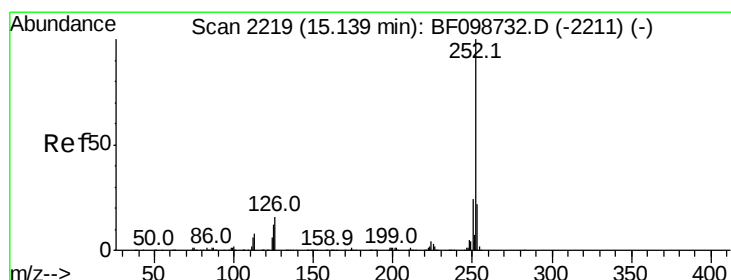
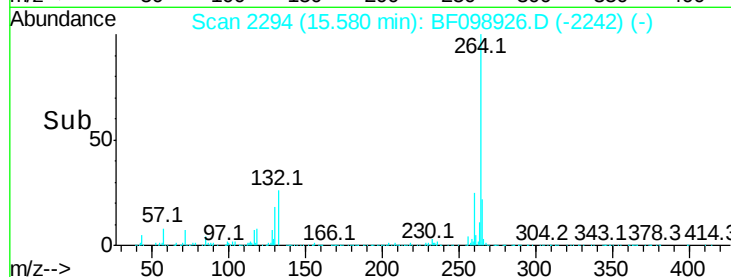
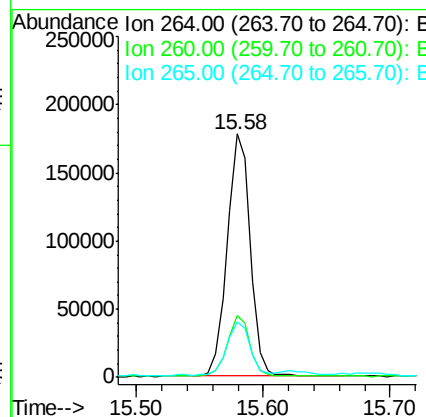
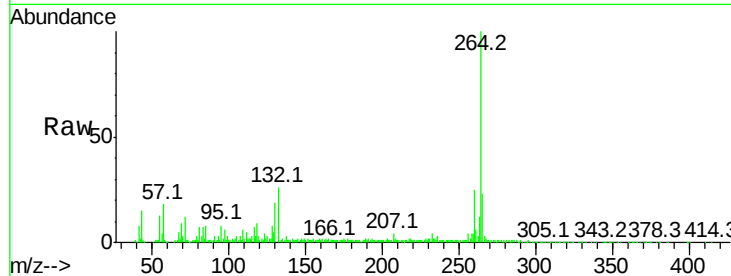
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-092717

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.1	19.2	28.8	
265	22.6	17.5	26.3	

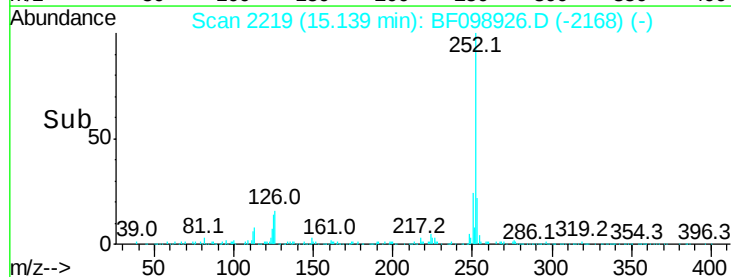
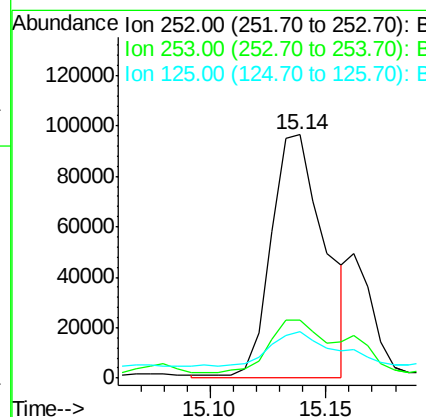
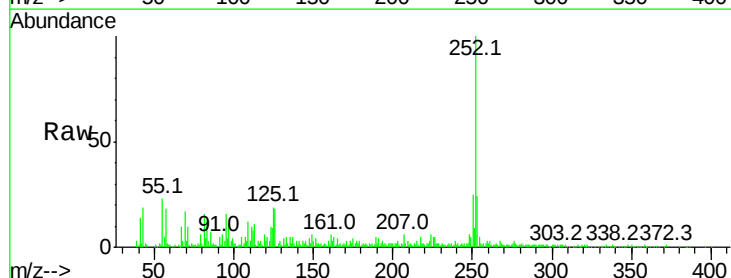
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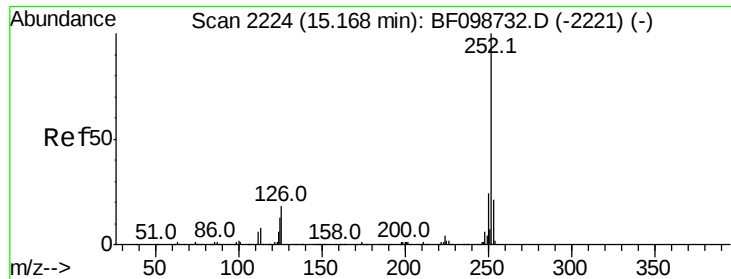
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#87
Benzo(b)fluoranthene
Concen: 11.246 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.6	17.0	25.6	
125	19.2	9.0	13.6	





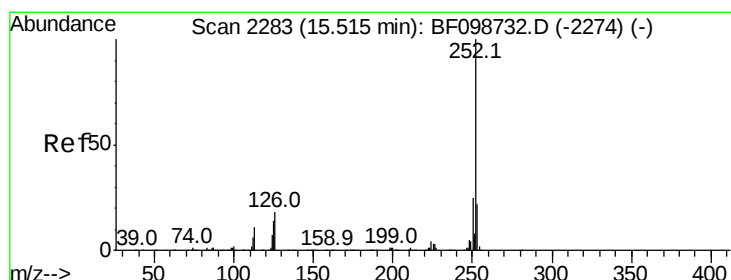
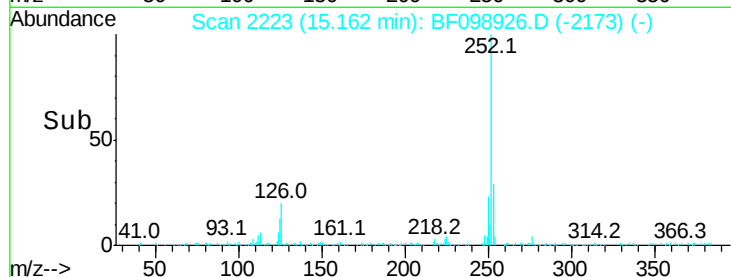
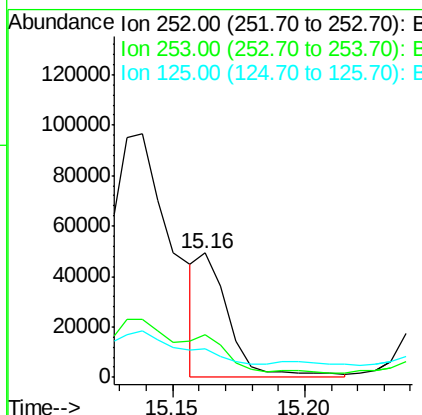
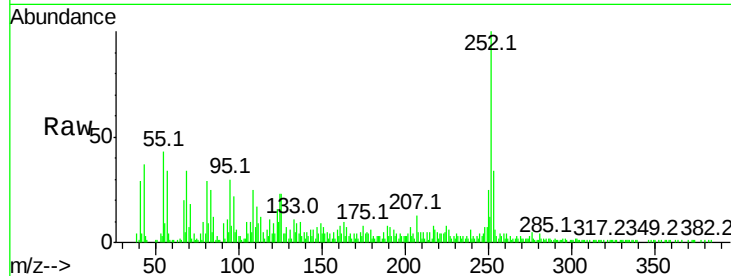
#88
Benzo(k)fluoranthene
Concen: 2.980 ng/mL
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Instrument :
BNA_F
ClientSampleId :
HR-06-092717

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.2	17.9	26.9#
125	23.3	10.2	15.2#

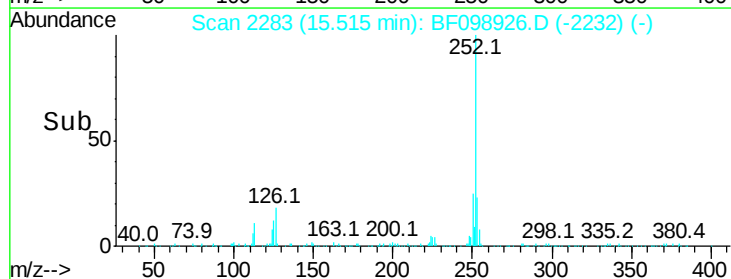
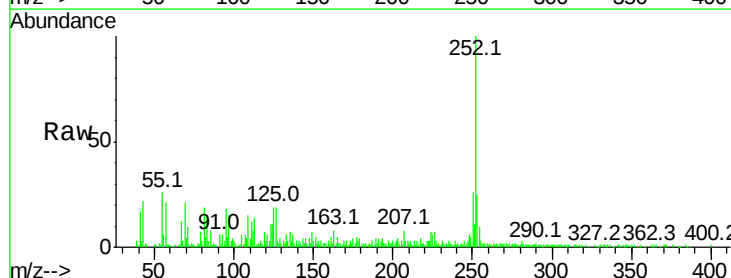
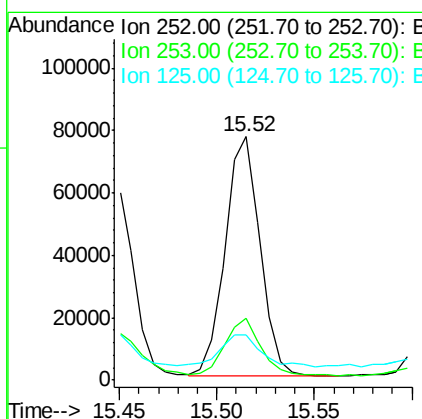
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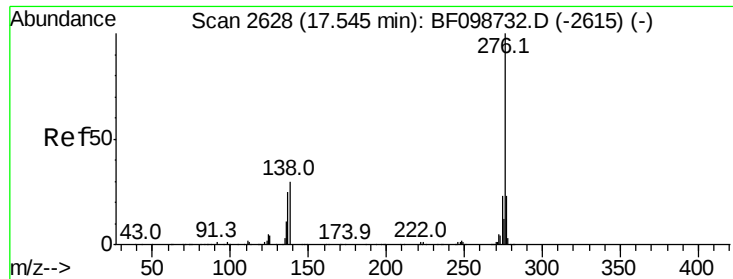
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#89
Benzo(a)pyrene
Concen: 7.503 ng/mL
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	18.8	9.8	14.6#





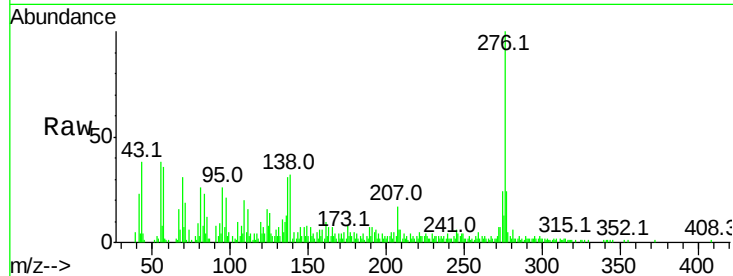
#91
 Benzo(a,h,i)perylene
 Concen: 6.685 ng
 RT: 17.56 min Scan# 2630
 Delta R.T. 0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-092717

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	32.0	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

