

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100898.D
 Acq On : 27 Nov 2017 18:01
 Operator : SJ/JU
 Sample : I6548-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Manual Integrations
 APPROVED

Sohil
 11/28/2017 2:45:42 PM

Quant Time: Nov 28 06:51:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76777	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	284688	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	118826	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	185676	20.00	ng	0.00
75) Chrysene-d12	14.03	240	157606	20.00	ng	0.00
86) Perylene-d12	15.50	264	130704	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	275586	57.54	ng	0.00
7) Phenol-d6	6.49	99	330561	55.97	ng	0.00
23) Nitrobenzene-d5	7.42	82	206599	47.98	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	72131	59.57	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	429557	55.05	ng	0.00
78) Terphenyl-d14	12.96	244	303314	44.22	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	31071	3.425	ng	99
51) Acenaphthene	9.93	154	15553	2.070	ng	98
57) Fluorene	10.44	166	18301	2.372	ng	96
70) Phenanthrene	11.40	178	290860	29.752	ng	99
71) Anthracene	11.46	178	75280	7.590	ng	96
74) Fluoranthene	12.60	202	511053	49.326	ng	96
77) Pyrene	12.83	202	541800	48.225	ng	99
80) Benzo(a)anthracene	14.02	228	288329	30.379	ng	97
82) Chrysene	14.05	228	269927	29.370	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	90296m	12.146	ng	
87) Benzo(b)fluoranthene	15.07	252	281030m	36.292	ng	
88) Benzo(k)fluoranthene	15.09	252	90134m	12.319	ng	
89) Benzo(a)pyrene	15.44	252	194137	28.280	ng	99
90) Dibenzo(a,h)anthracene	16.99	278	23716	4.224	ng	# 81
91) Benzo(a,h,i)perylene	17.43	276	84950	15.458	ng	# 93

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

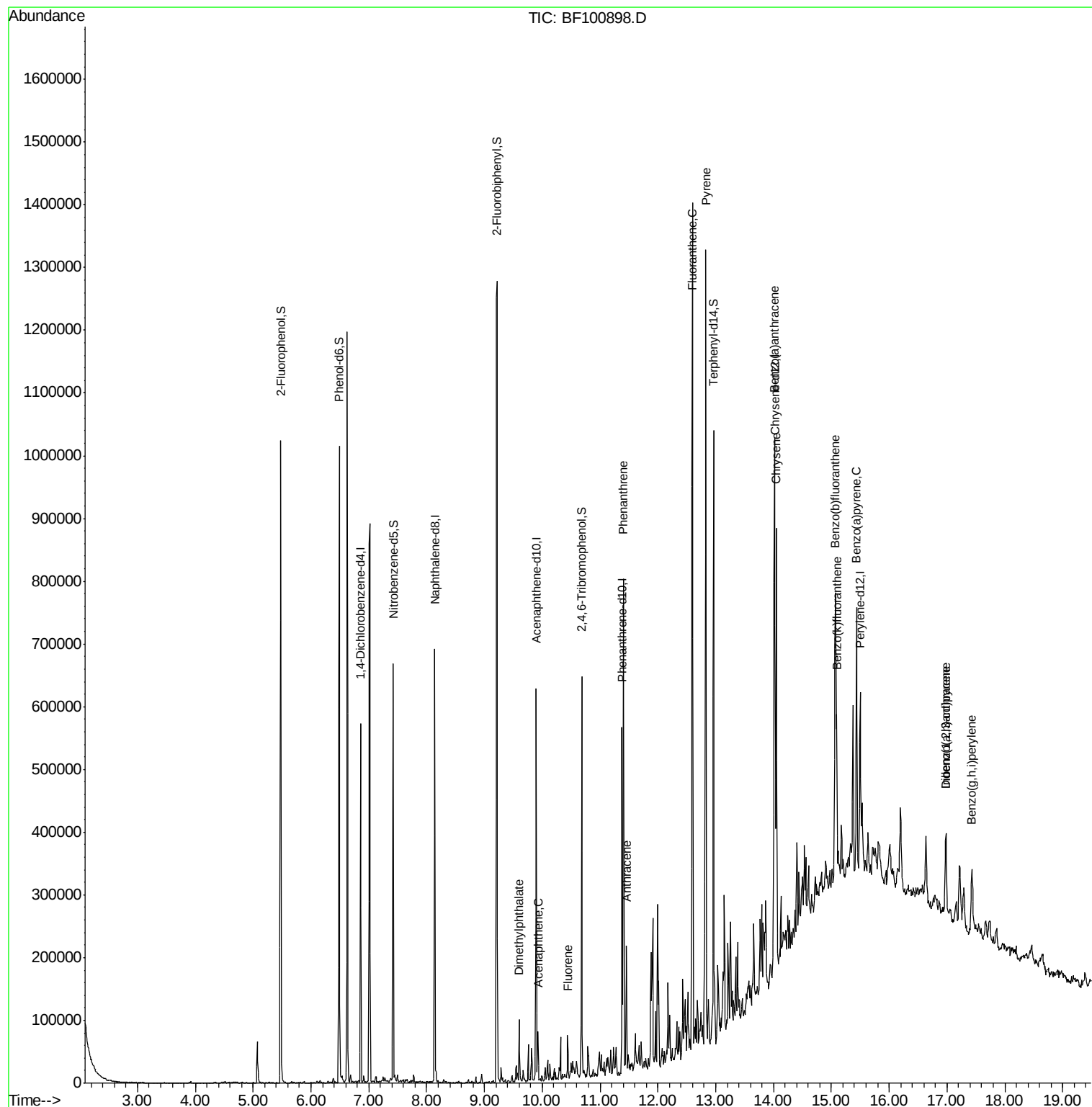
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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ALS Vial : 20 Sample Multiplier: 1

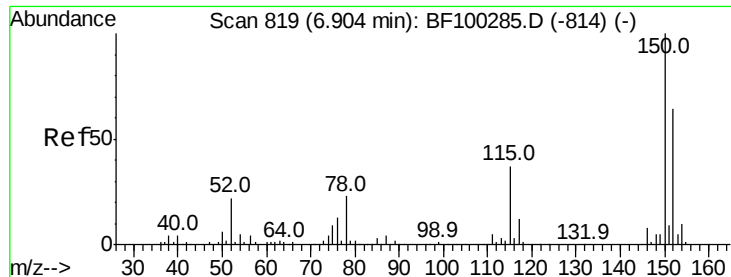
Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

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Quant Time: Nov 28 06:51:28 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

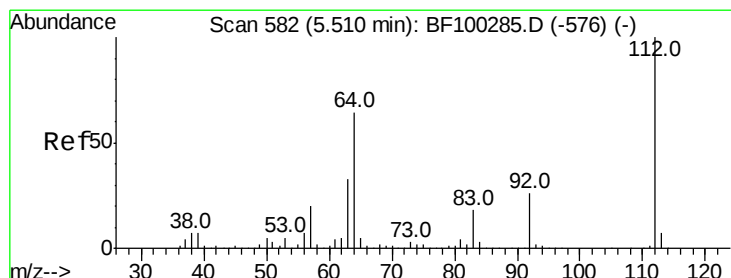
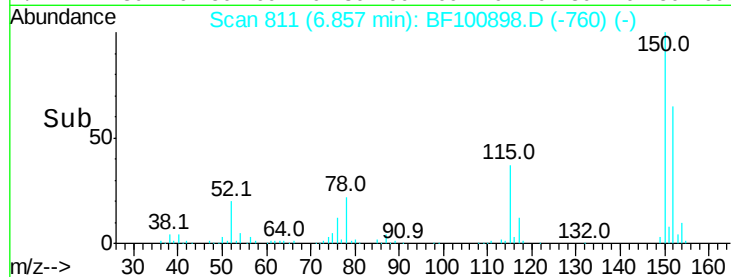
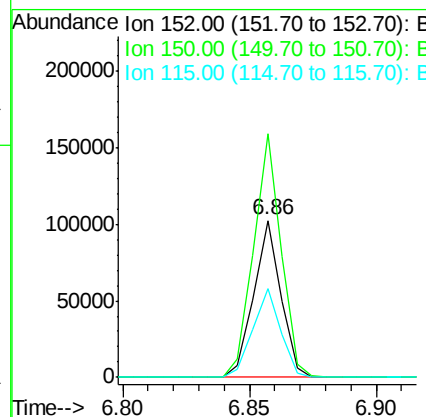
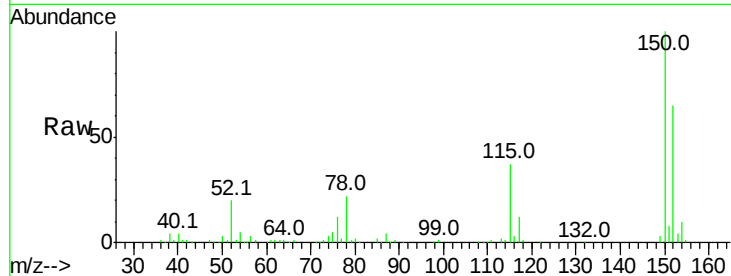
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	56.8	50.1	75.1

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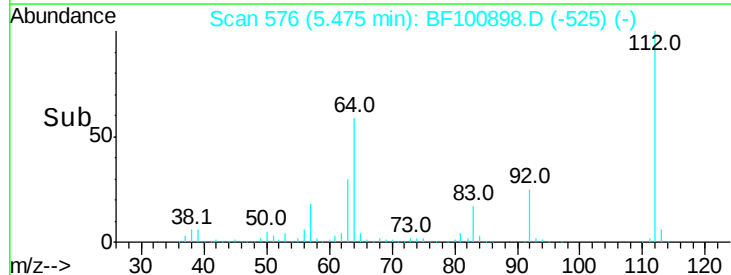
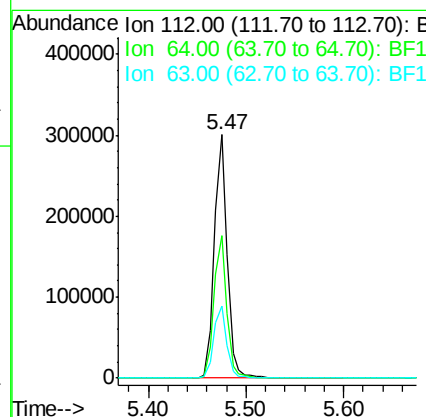
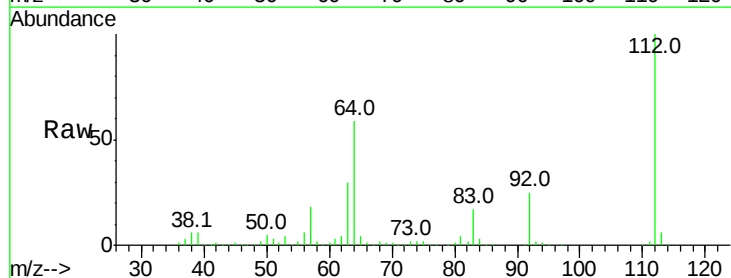
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#5

2-Fluorophenol
 Concen: 57.538 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 55.968 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

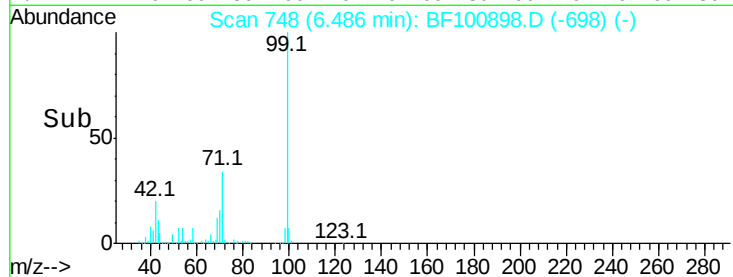
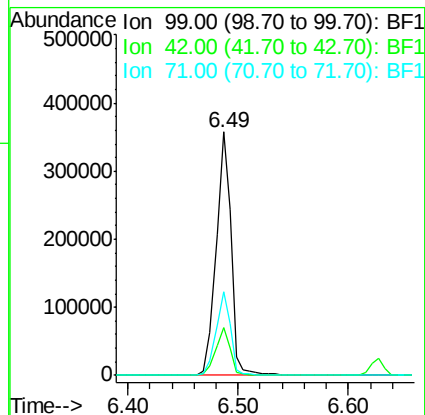
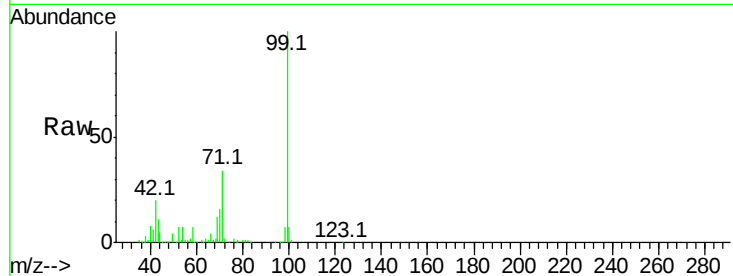
ClientSampleId :

SAU-4-E(0-1)

Tot Ion:	99	Resp:	330561
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	34.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

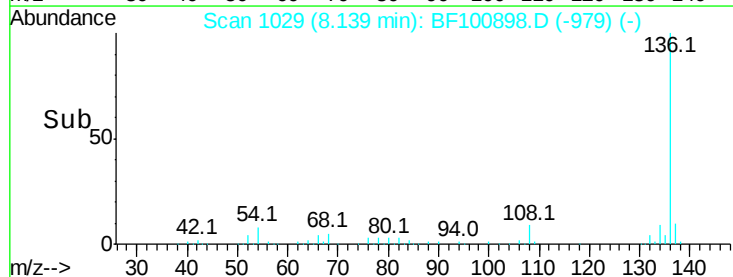
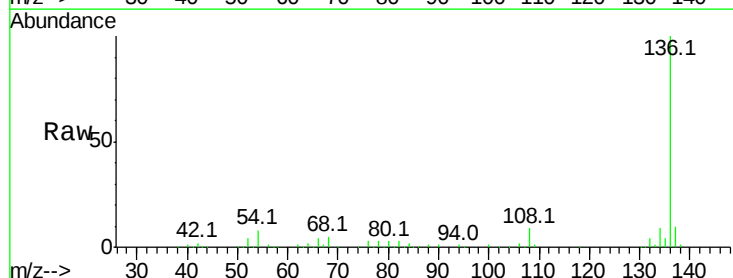
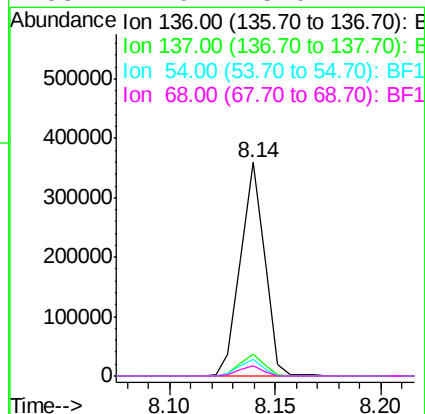
RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Tgt Ion:	136	Resp:	284688
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.5	6.6	9.8
68	4.9	5.0	7.4#





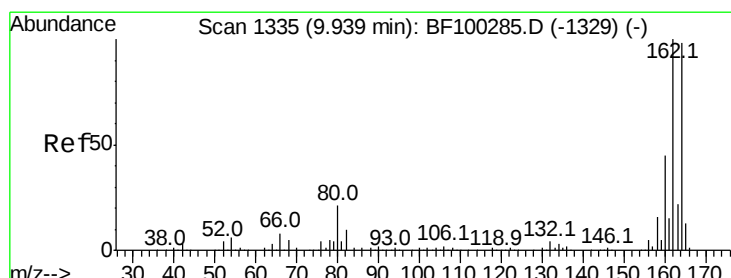
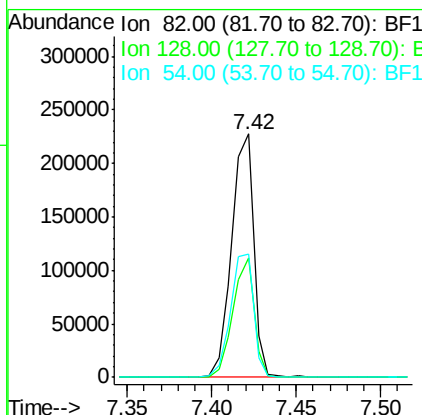
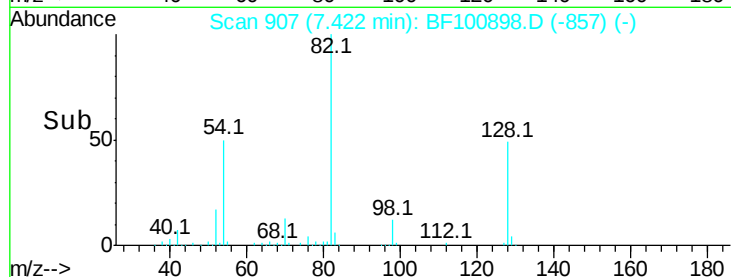
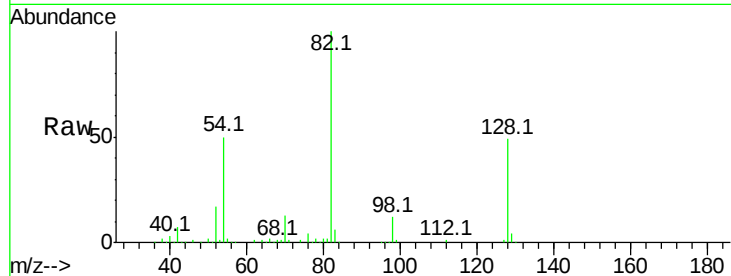
#23
Nitrobenzene-d5
Concen: 47.979 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	49.0	36.1	54.1
54	50.5	41.4	62.2

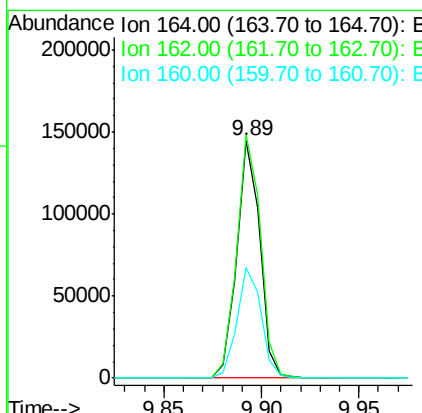
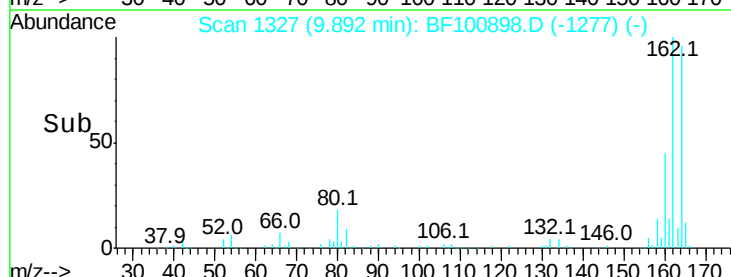
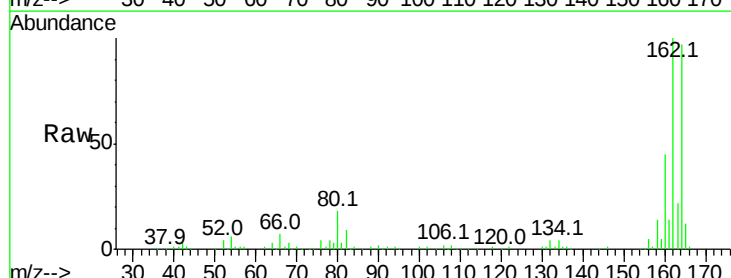
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.3	38.3	57.5





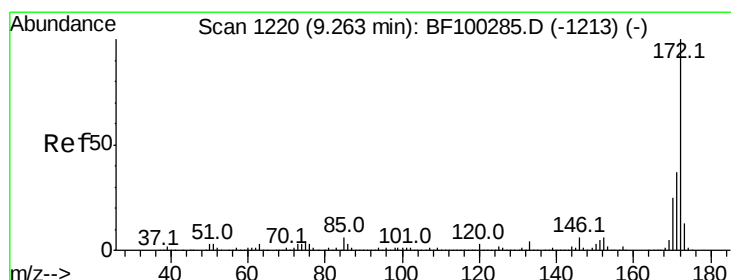
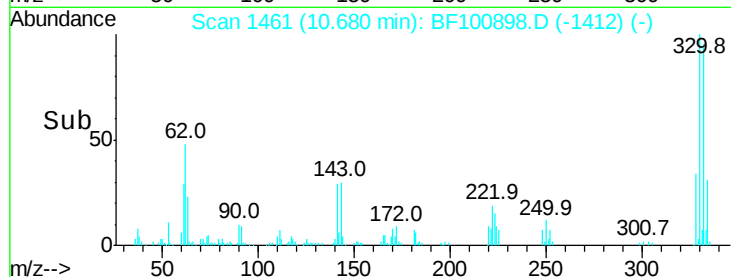
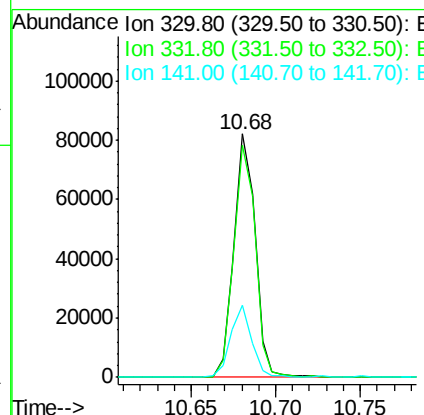
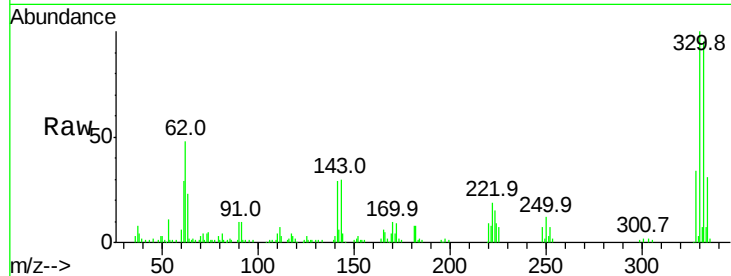
#41
 2,4,6-Tribromophenol
 Concen: 59.571 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	29.1	29.9	44.9#

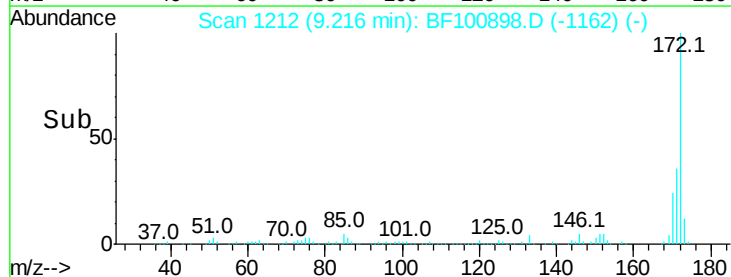
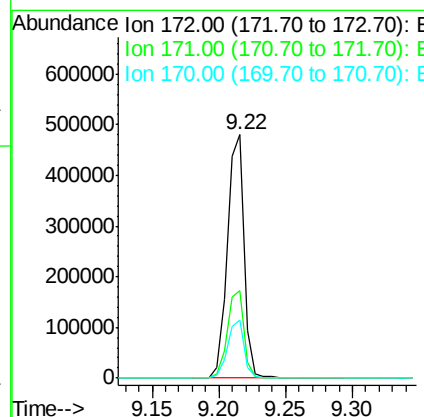
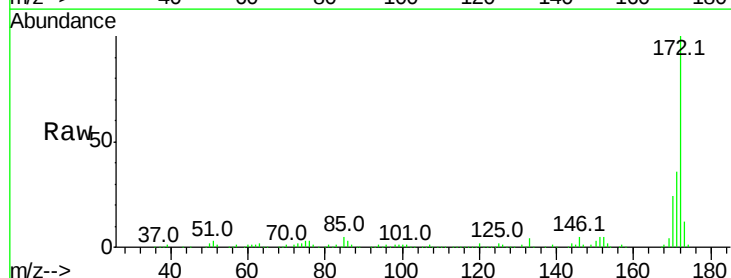
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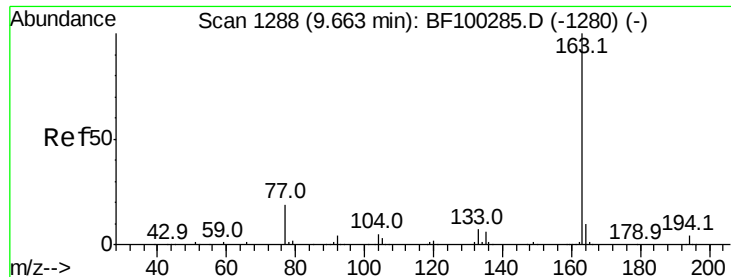
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#44
 2-Fluorobiphenyl
 Concen: 55.046 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.6	19.6	29.4





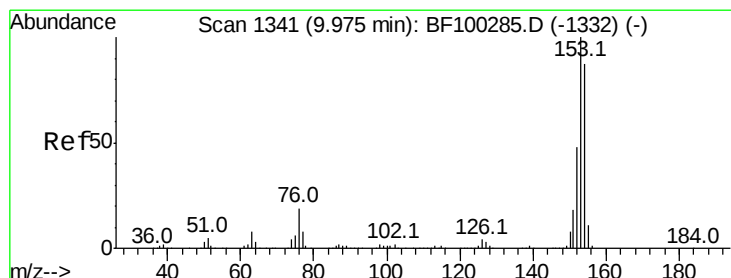
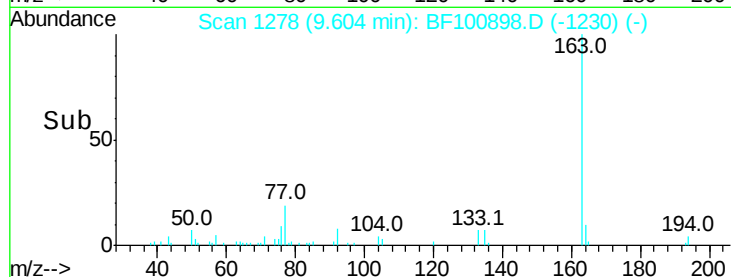
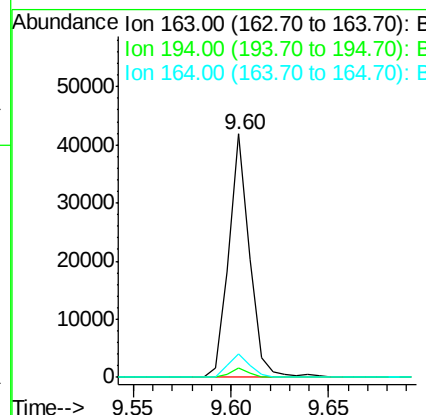
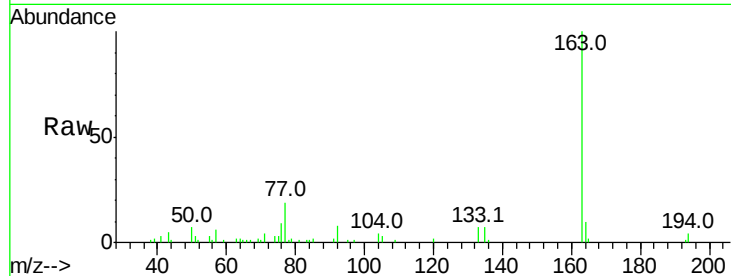
#49
Dimethylphthalate
Concen: 3.425 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.7	8.2	12.2

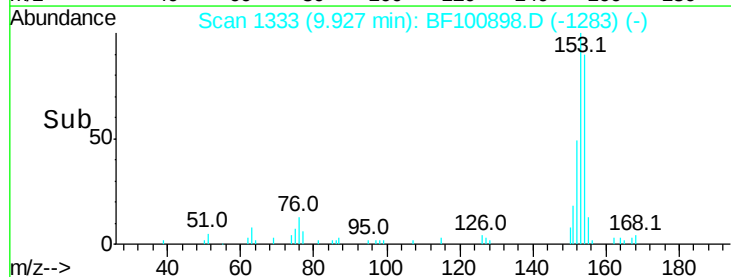
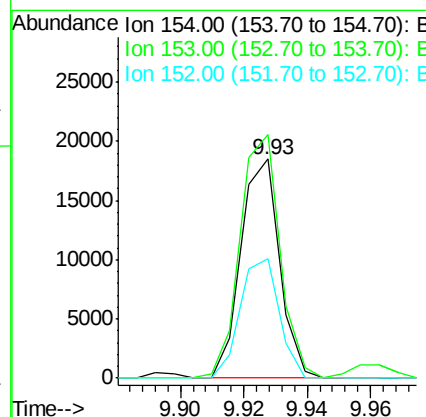
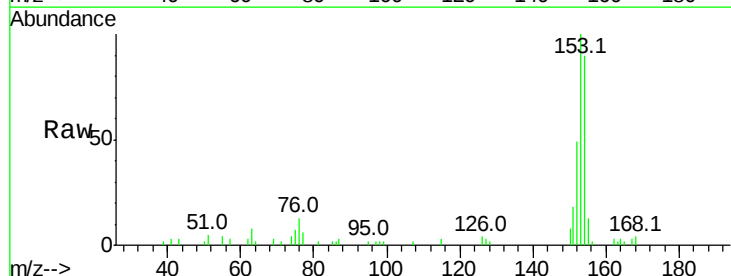
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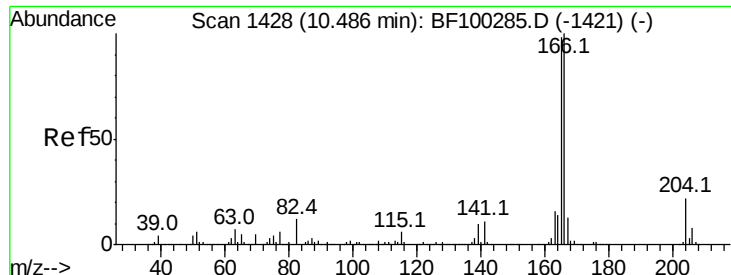
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#51
Acenaphthene
Concen: 2.070 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.3	91.2	136.8
152	54.5	43.8	65.8





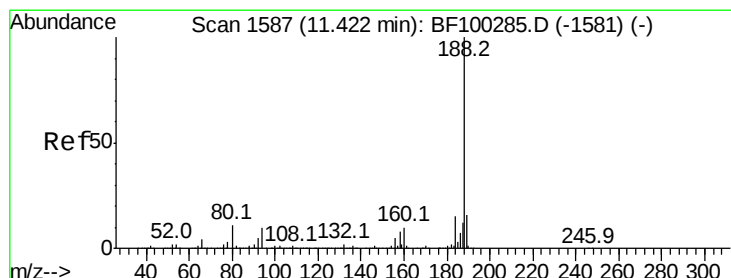
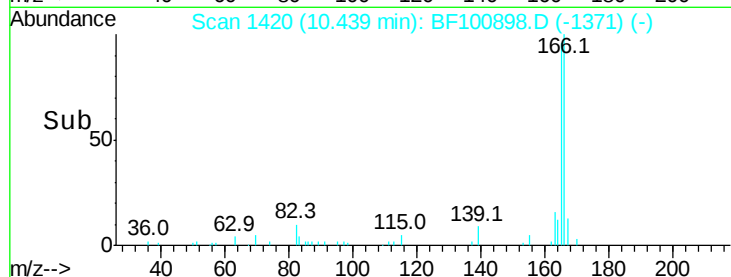
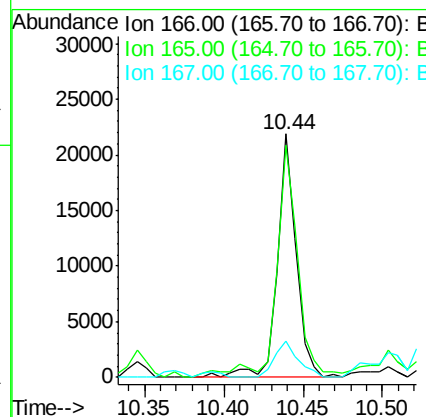
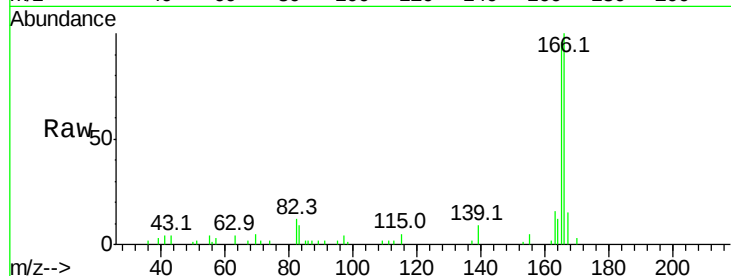
#57
Fluorene
 Concen: 2.372 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.5	79.8	119.8	
167	14.9	10.6	16.0	

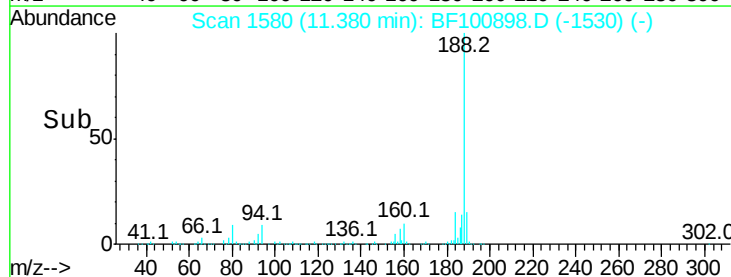
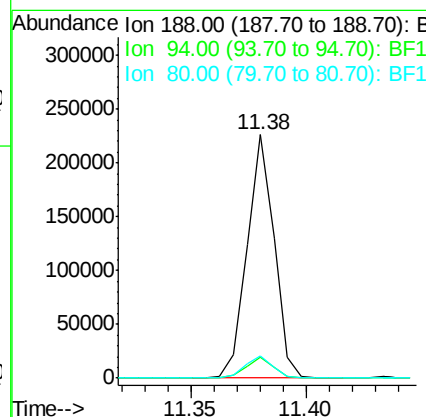
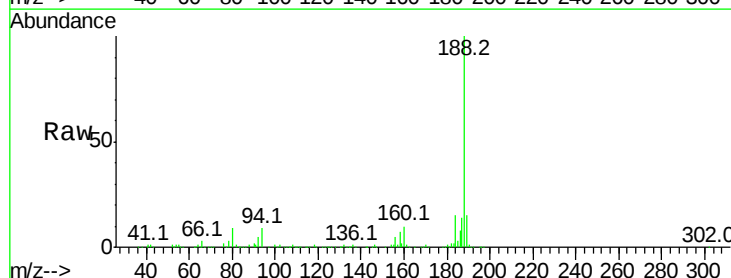
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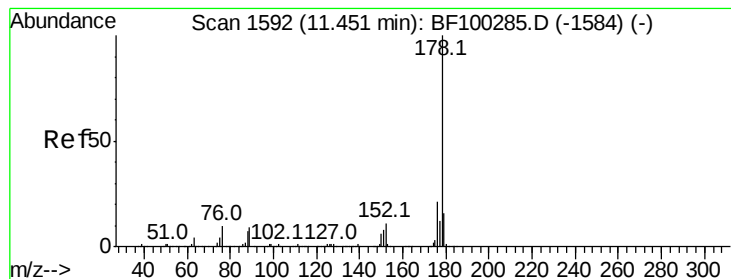
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.7	8.5	12.7	
80	9.3	9.2	13.8	





#70

Phenanthrene

Concen: 29.752 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

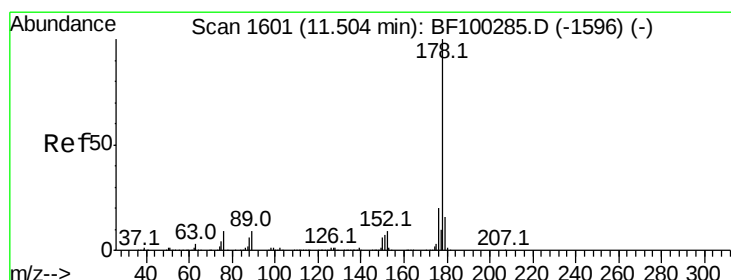
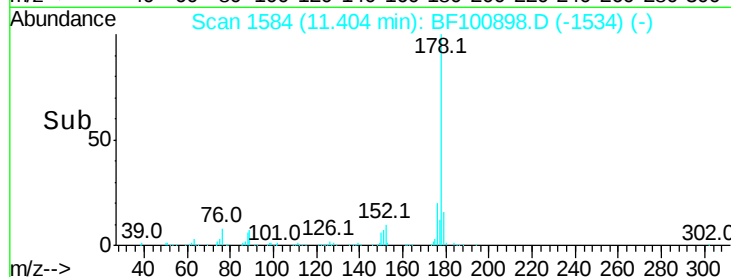
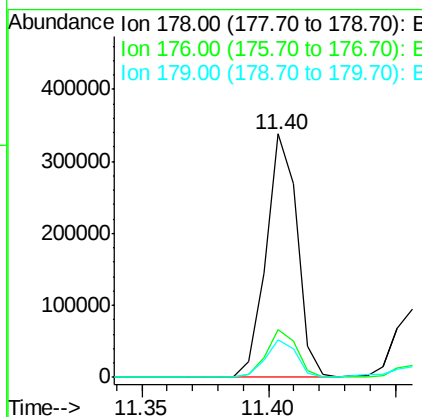
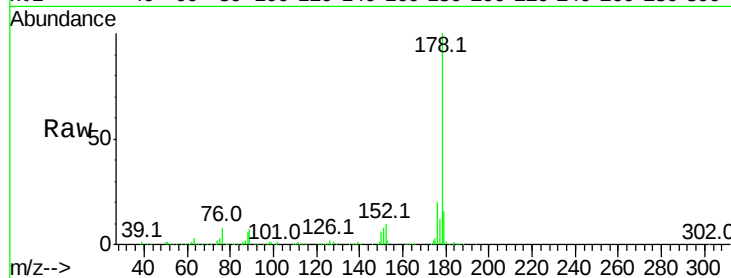
ClientSampleId :

SAU-4-E(0-1)

Tot Ion:178	Resp:	290860
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.8 23.8
179	15.6	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 7.590 ng

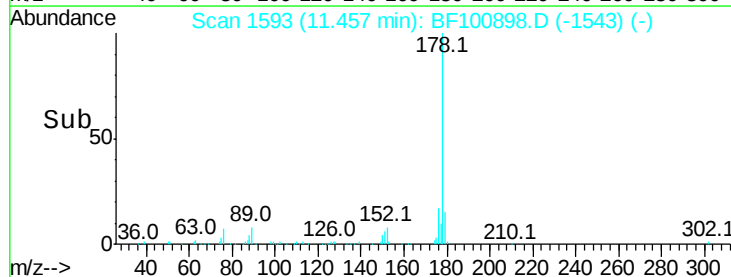
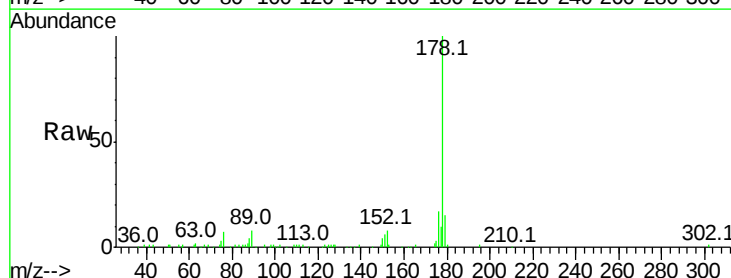
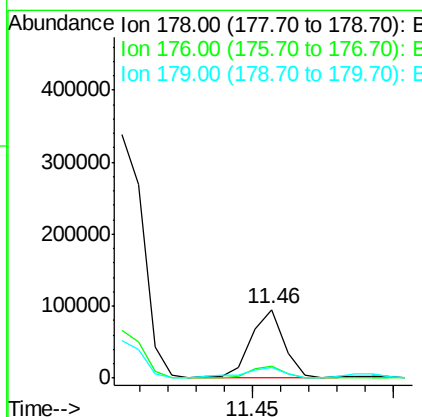
RT: 11.46 min Scan# 1593

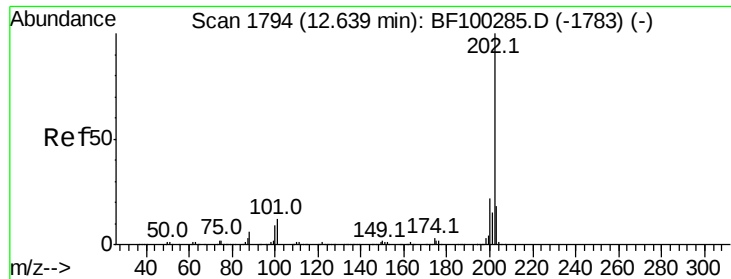
Delta R.T. -0.01 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Tgt Ion:178	Resp:	75280
Ion Ratio	Lower	Upper
178	100	
176	17.0	15.4 23.2
179	15.1	12.6 19.0





#74

Fluoranthene

Concen: 49.326 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Instrument :

BNA_F

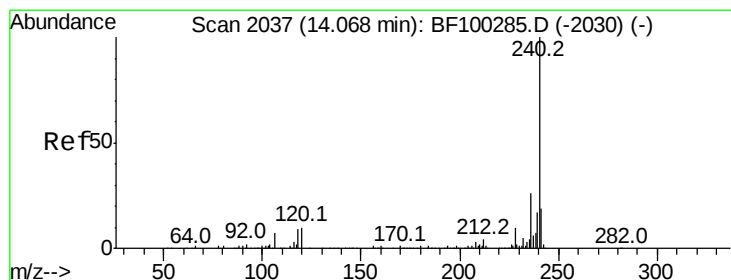
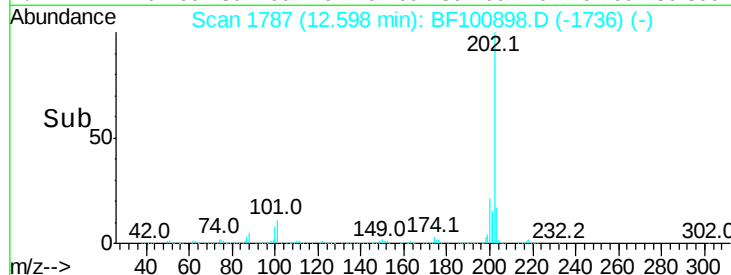
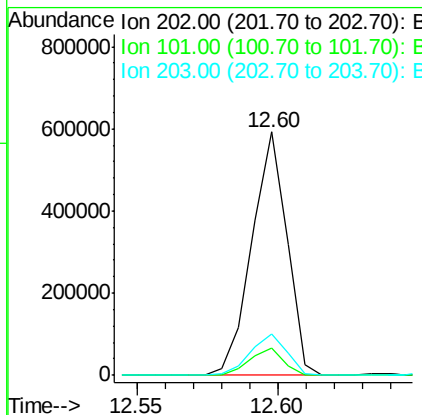
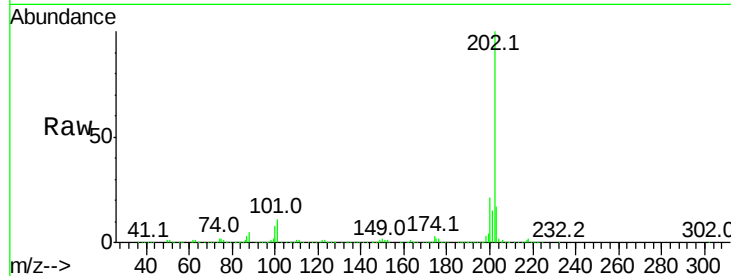
ClientSampleId :

SAU-4-E(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		511053		
101	11.2	0.0	34.1		
203	17.1	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

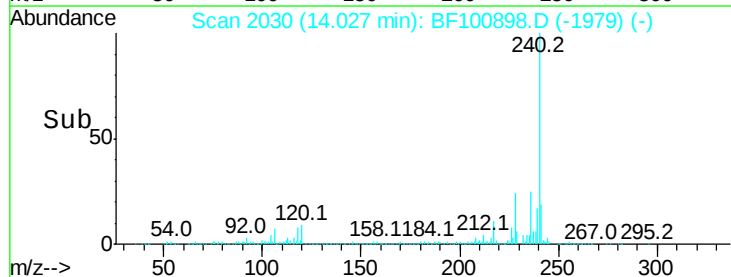
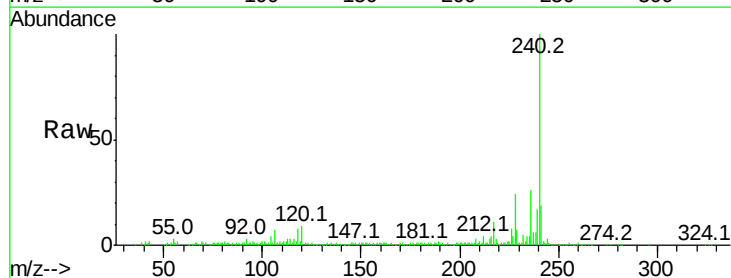
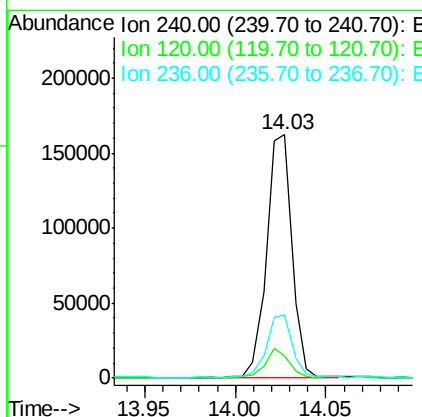
RT: 14.03 min Scan# 2030

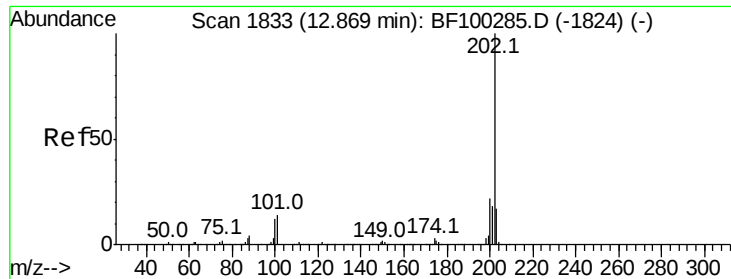
Delta R.T. -0.00 min

Lab File: BF100898.D

Acq: 27 Nov 2017 18:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		157606		
120	9.1	9.5	14.3#		
236	25.8	20.7	31.1		





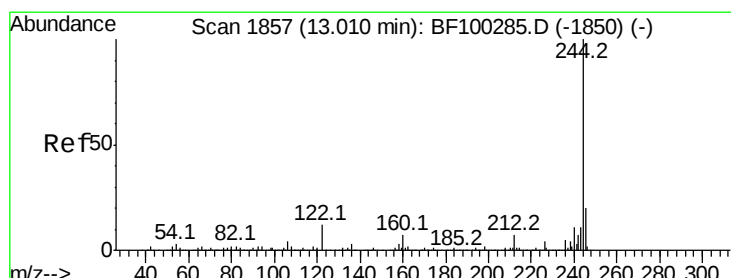
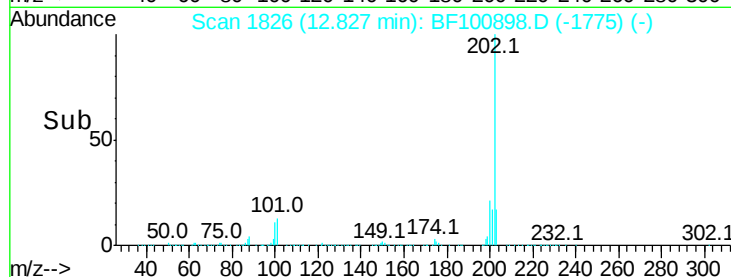
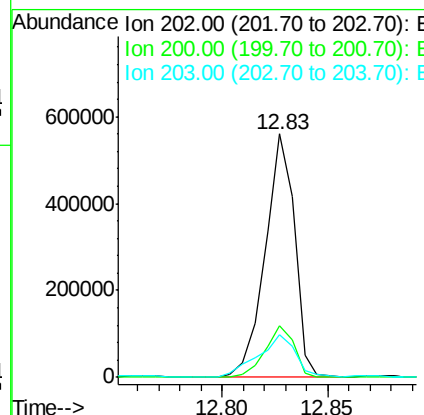
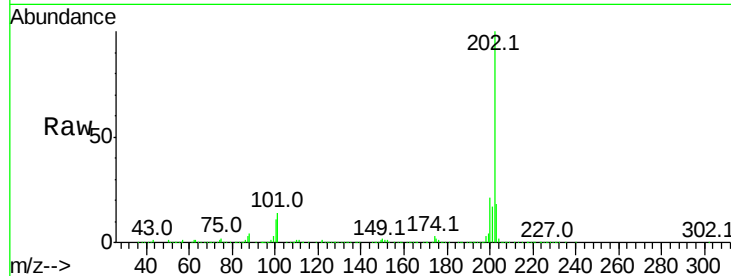
#77
Pvrene
Concen: 48.225 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.7	14.3	21.5

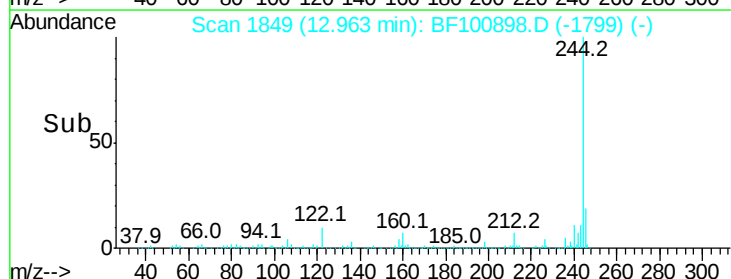
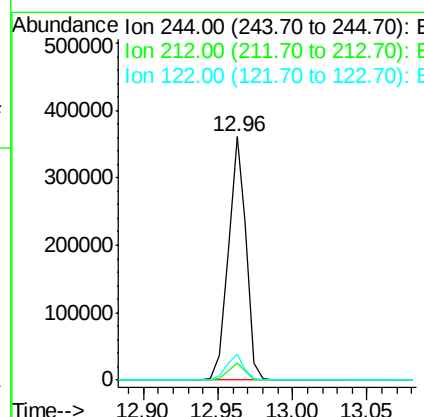
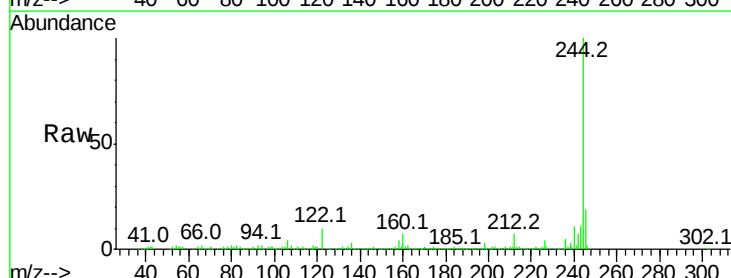
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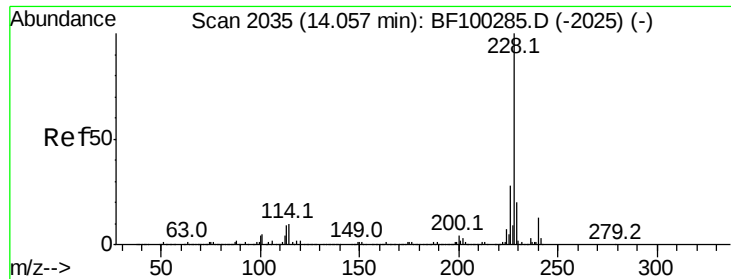
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#78
Terphenyl-d14
Concen: 44.220 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.4	11.0	16.4#





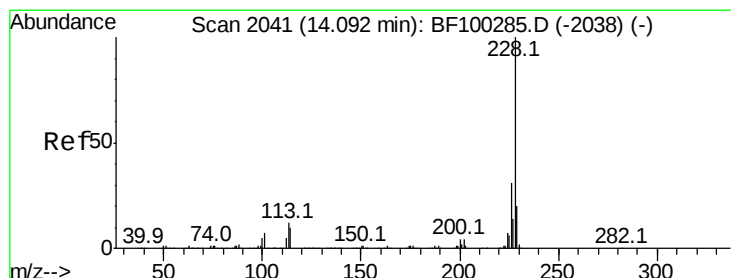
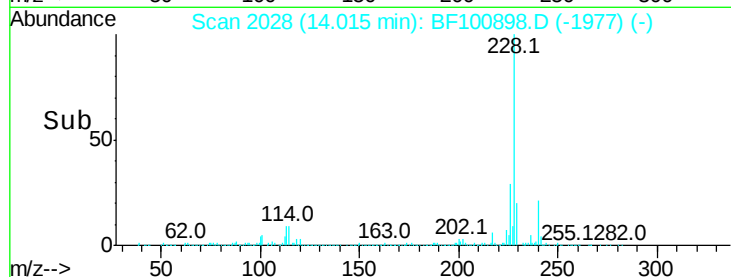
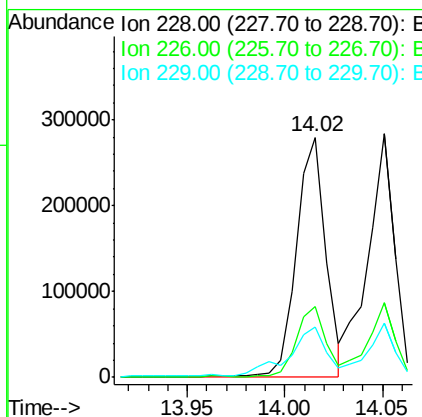
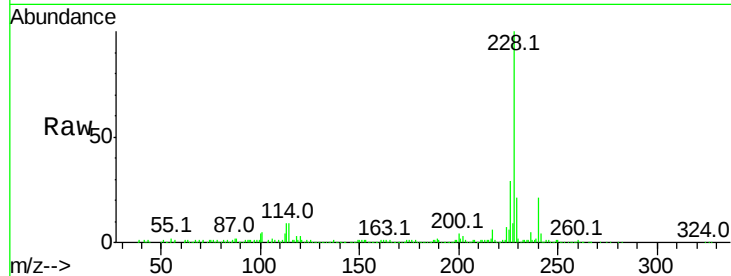
#80
Benzo(a)anthracene
Concen: 30.379 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	21.1	15.8	23.6

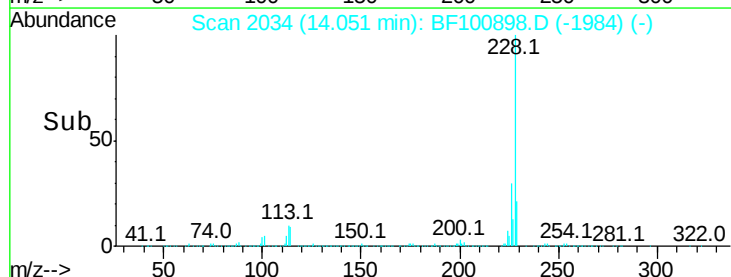
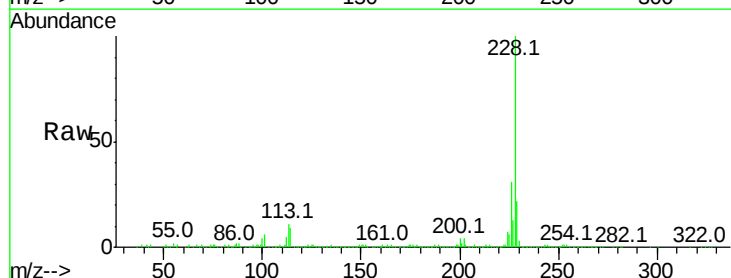
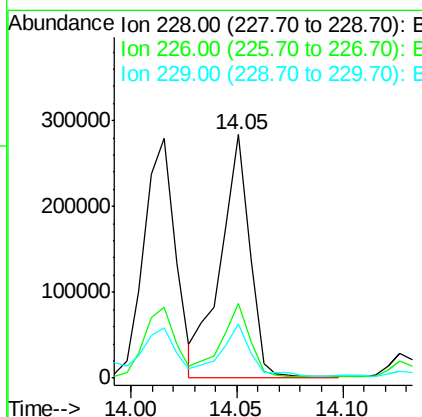
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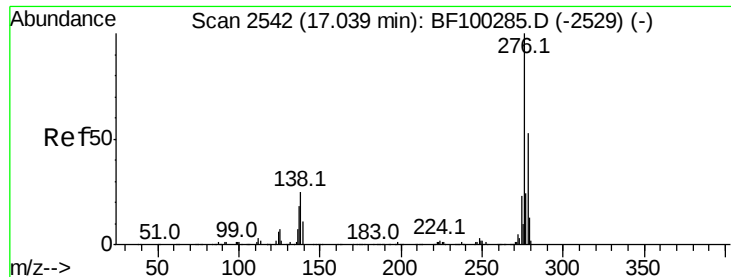
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#82
Chrysene
Concen: 29.370 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.3	16.2	24.4





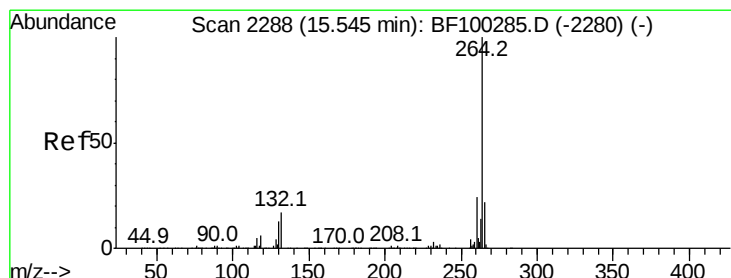
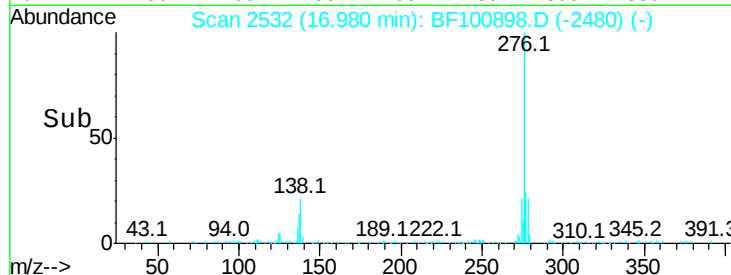
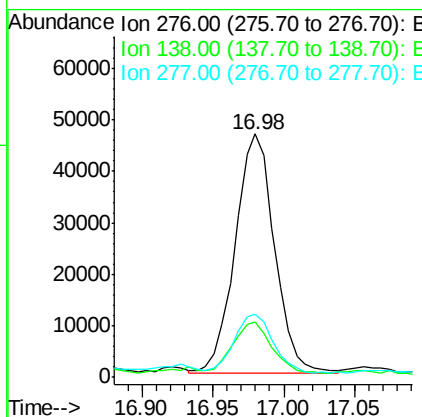
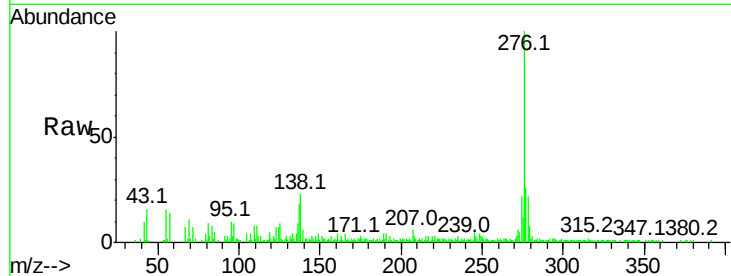
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.146 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.8	25.0	37.6#
277	5.7	20.1	30.1#

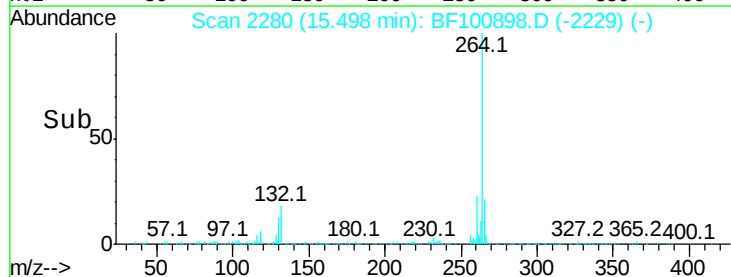
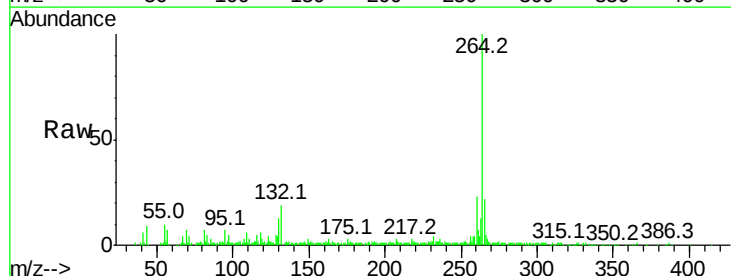
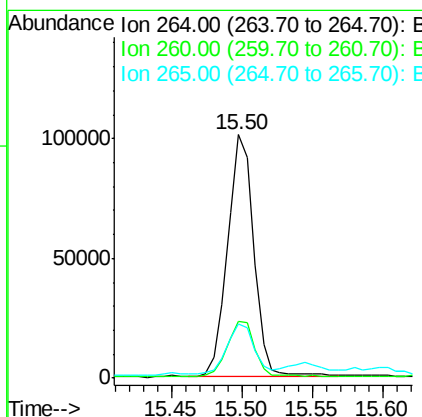
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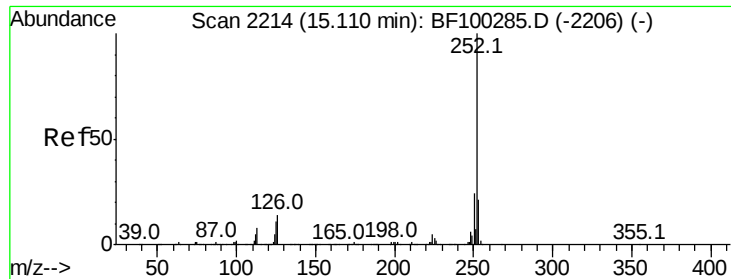
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.5	17.5	26.3





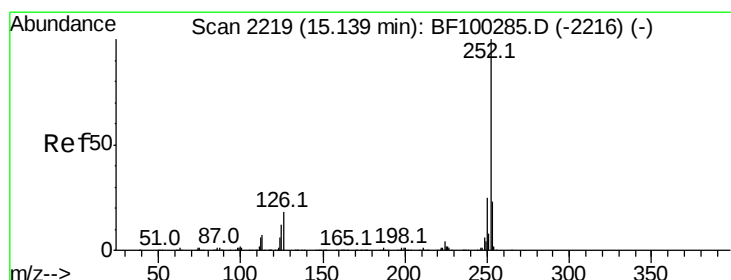
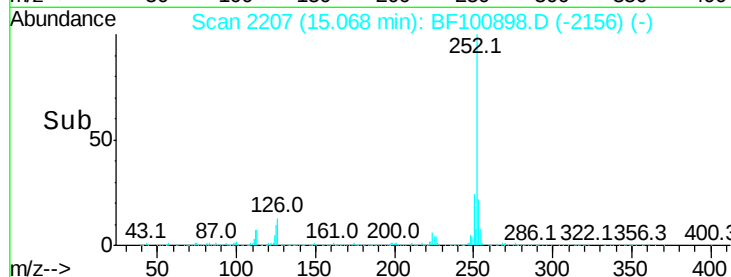
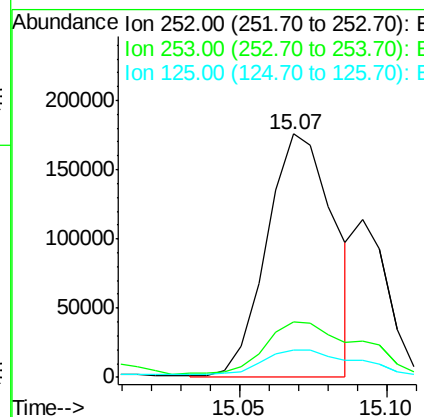
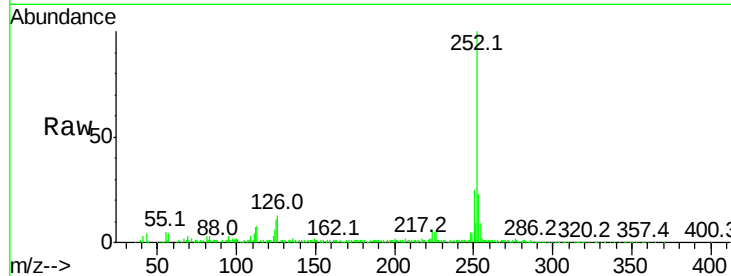
#87
Benzo(b)fluoranthene
Concen: 36.292 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.2	9.0	13.6

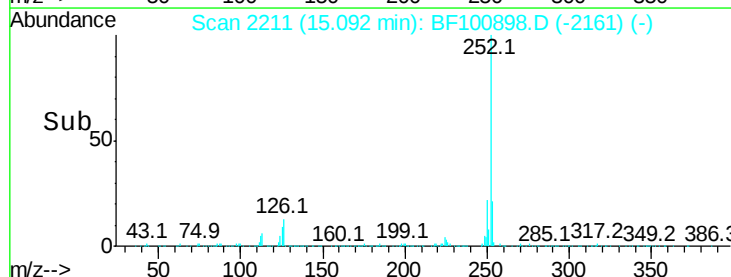
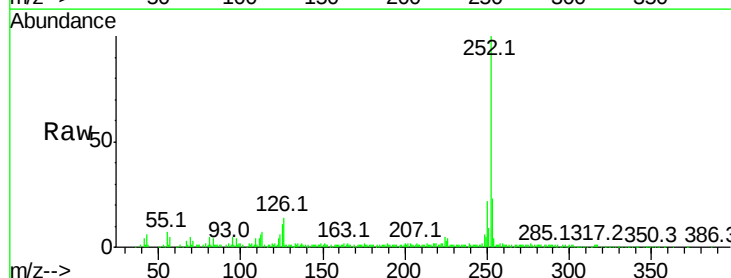
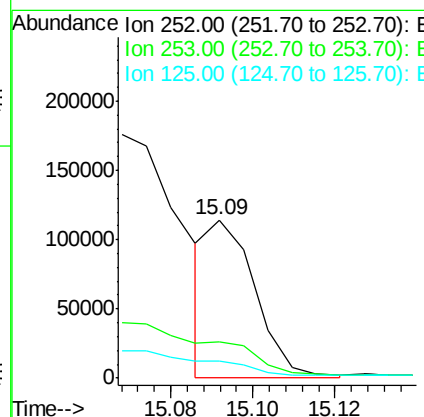
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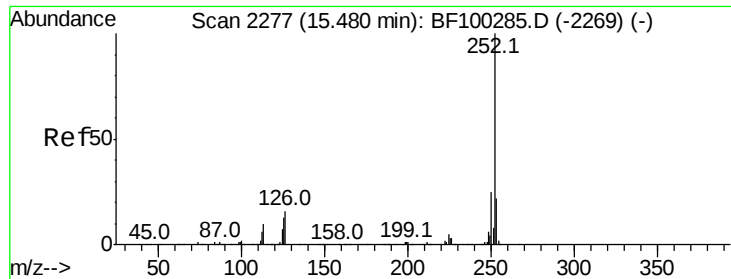
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#88
Benzo(k)fluoranthene
Concen: 12.319 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	10.6	10.2	15.2





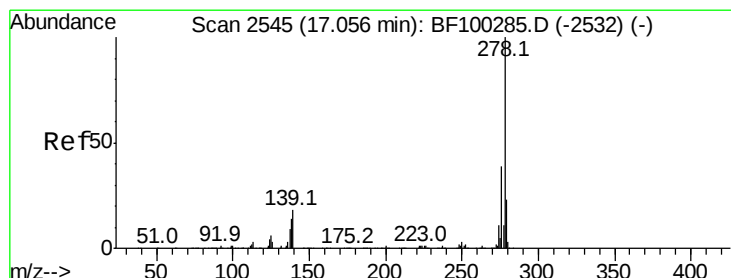
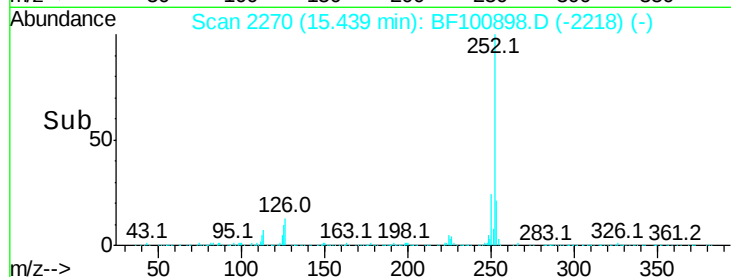
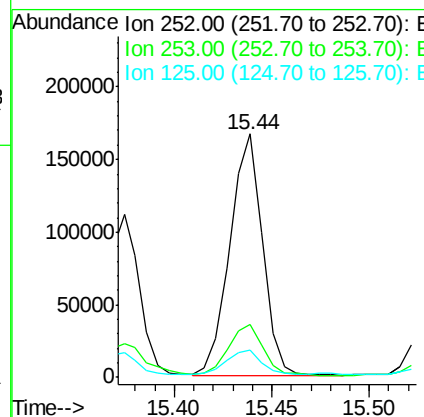
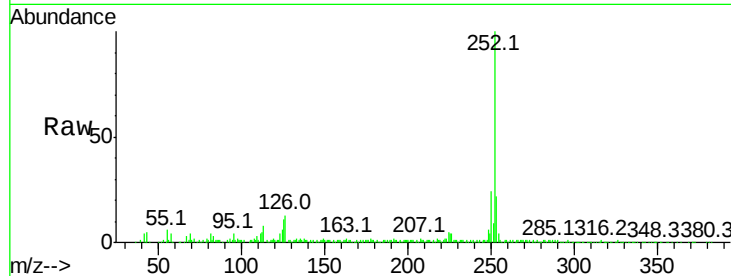
#89
Benzo(a)pyrene
Concen: 28.280 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	11.2	9.8	14.6

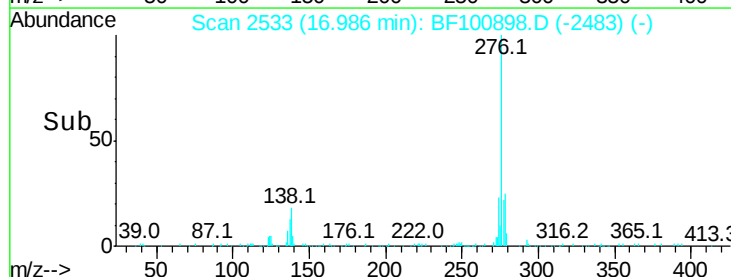
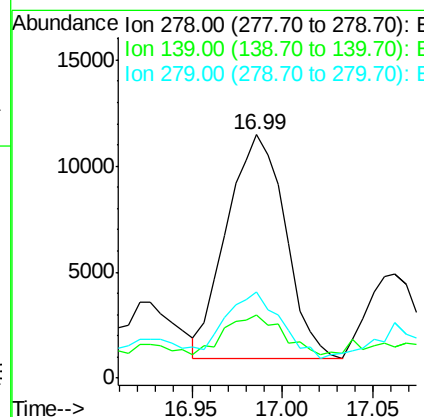
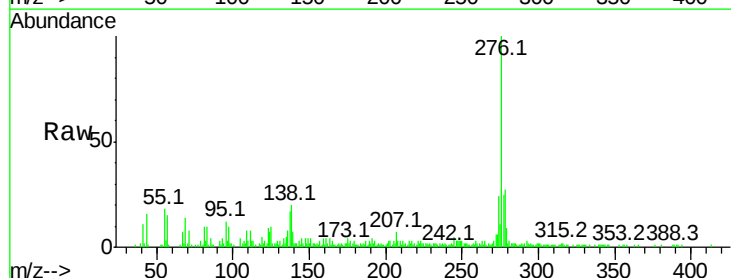
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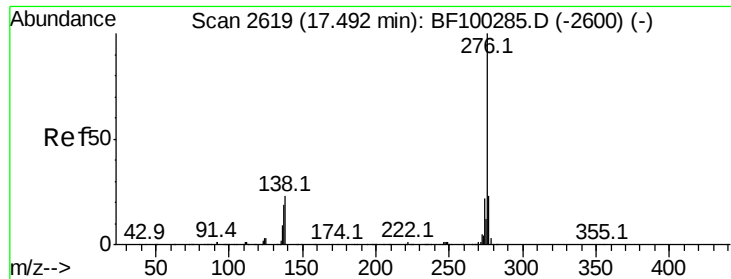
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#90
Dibenzo(a,h)anthracene
Concen: 4.224 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF100898.D
Acq: 27 Nov 2017 18:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.9	15.9	23.9#
279	35.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 15.458 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.01 min
 Lab File: BF100898.D
 Acq: 27 Nov 2017 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	21.2	21.8	32.8

Manual Integrations
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