

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100850.D
 Acq On : 23 Nov 2017 3:28
 Operator : SJ/JU
 Sample : I6548-04 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(7-8)

Manual Integrations
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Sohil
 11/27/2017 3:20:51 PM

Quant Time: Nov 27 04:21:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	74973	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	288000	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	128552	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	222045	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	148827	20.00	ng	-0.02
86) Perylene-d12	15.50	264	166010	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	95835	20.49	ng	-0.02
7) Phenol-d6	6.48	99	114091	19.78	ng	-0.03
23) Nitrobenzene-d5	7.42	82	66795	15.33	ng	-0.04
41) 2,4,6-Tribromophenol	10.69	330	26146	19.96	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	124764	14.78	ng	-0.02
78) Terphenyl-d14	12.96	244	83655	12.92	ng	-0.02
Target Compounds						
70) Phenanthrene	11.41	178	267066	22.844	ng	Qvalue 98
71) Anthracene	11.46	178	58703	4.949	ng	97
72) Carbazole	11.61	167	22672	2.072	ng	99
74) Fluoranthene	12.60	202	244938	19.769	ng	95
77) Pyrene	12.83	202	214553	20.224	ng	99
80) Benzo(a)anthracene	14.02	228	101189	11.291	ng	99
82) Chrysene	14.05	228	92011	10.602	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	50342	7.171	ng	# 91
87) Benzo(b)fluoranthene	15.06	252	107033m	10.883	ng	
88) Benzo(k)fluoranthene	15.09	252	40220m	4.328	ng	
89) Benzo(a)pyrene	15.43	252	82746	9.490	ng	96
90) Dibenzo(a,h)anthracene	16.98	278	14867m	2.085	ng	
91) Benzo(a,h,i)perylene	17.42	276	47348	6.783	ng	# 90

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

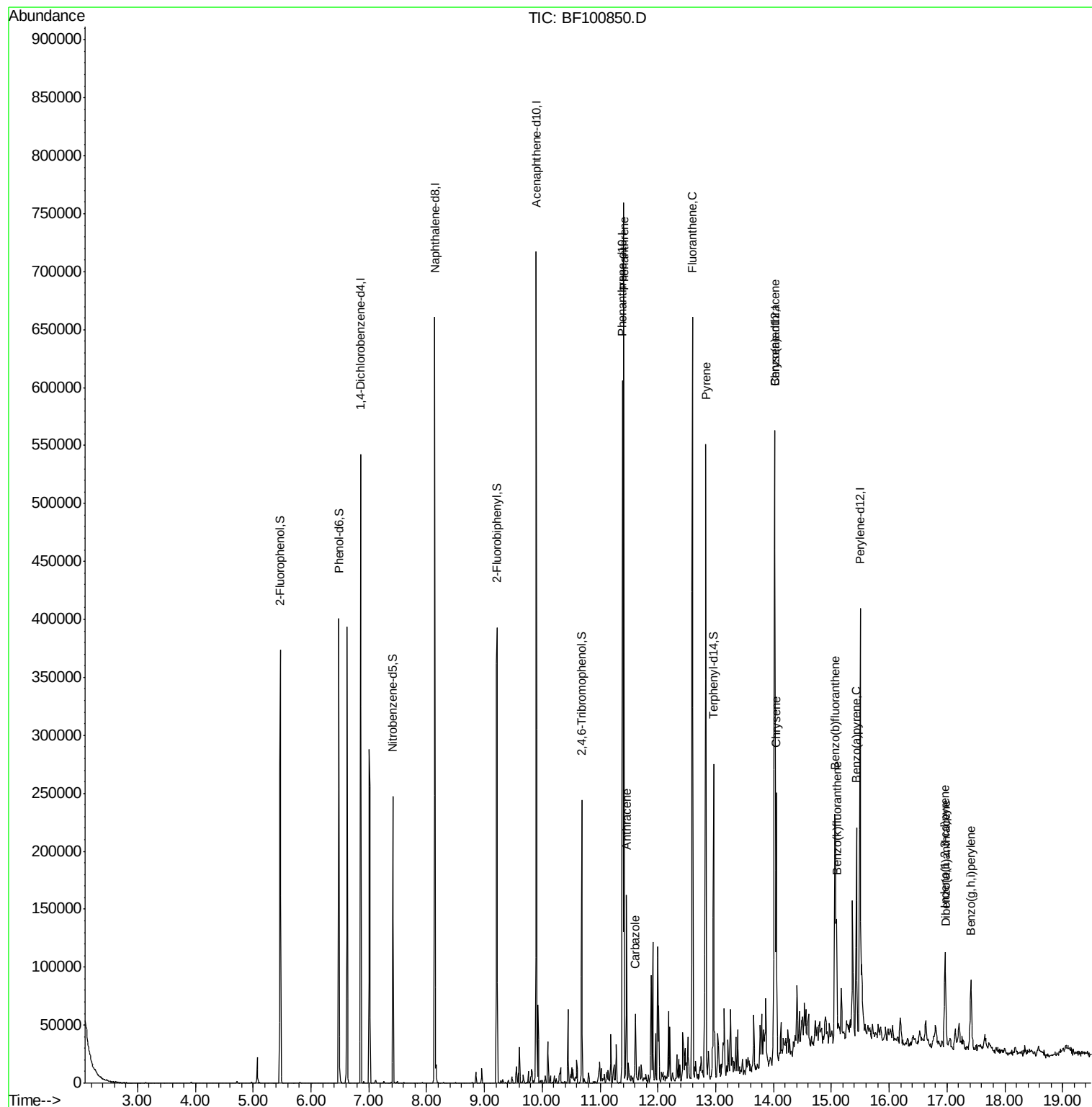
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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ALS Vial : 23 Sample Multiplier: 1

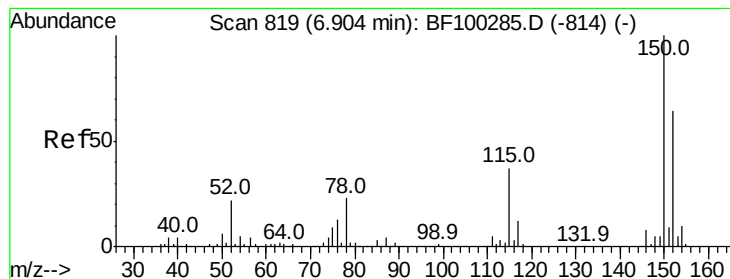
Instrument :
BNA_F
ClientSampleId :
SAU-1-E(7-8)

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#1

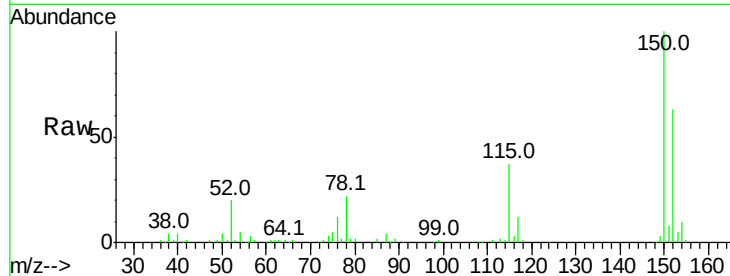
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	59.5	50.1	75.1

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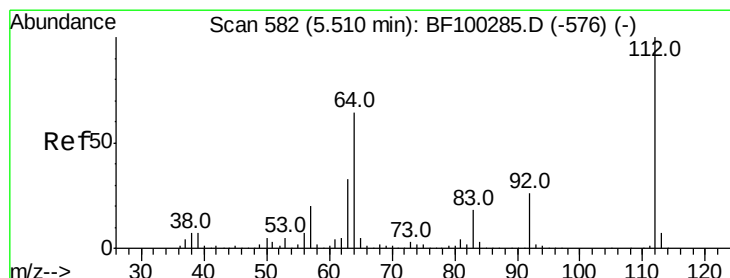
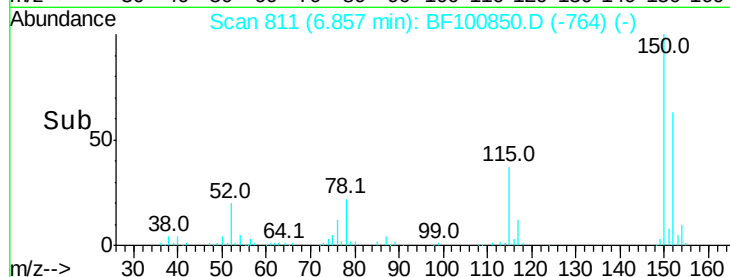
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

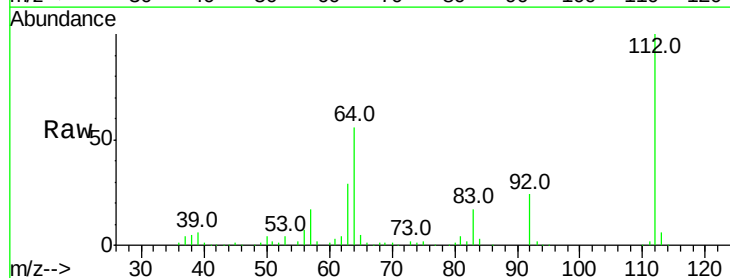
Time-->



#5

2-Fluorophenol
Concen: 20.490 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	28.9	23.7	35.5



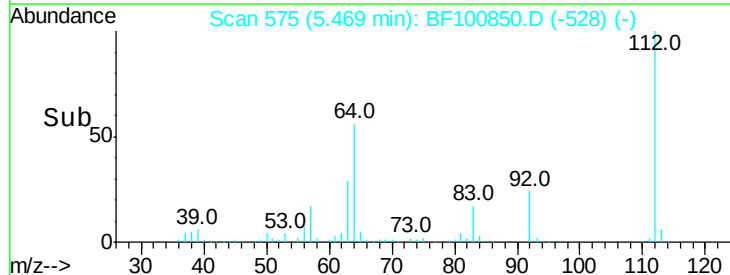
Abundance

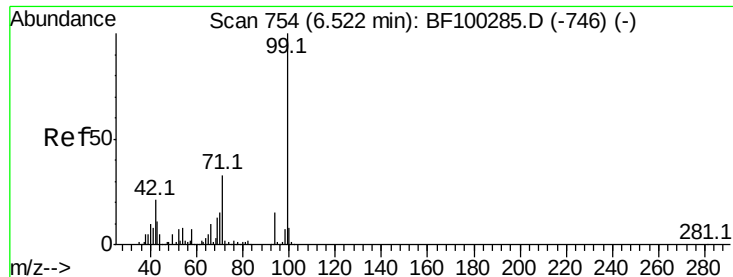
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 19.782 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

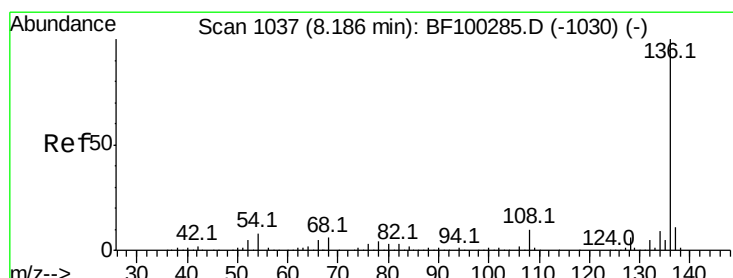
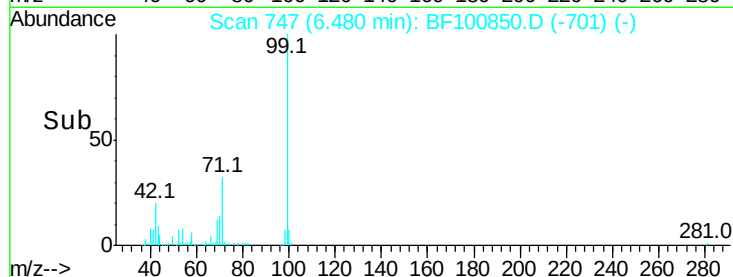
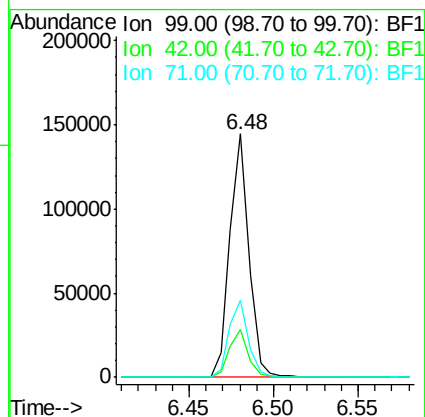
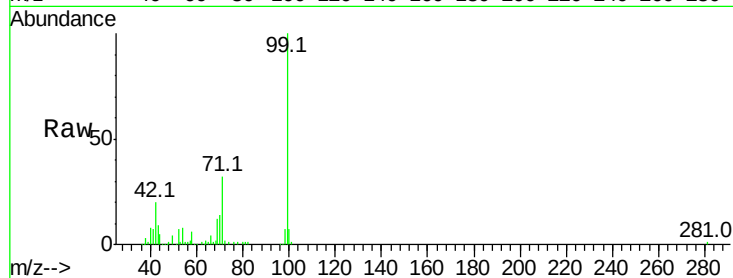
ClientSampleId :

SAU-1-E(7-8)

Tot Ion:	99	Resp:	114091
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	31.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

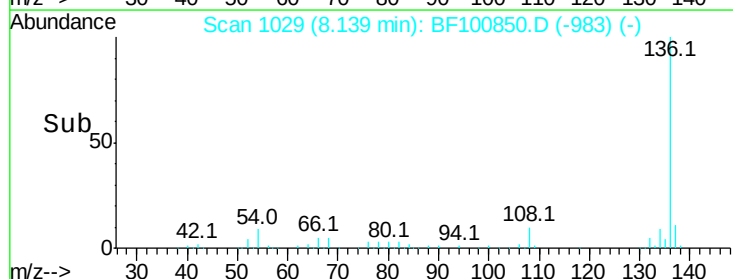
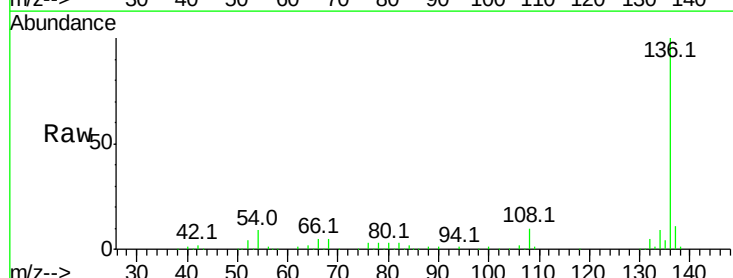
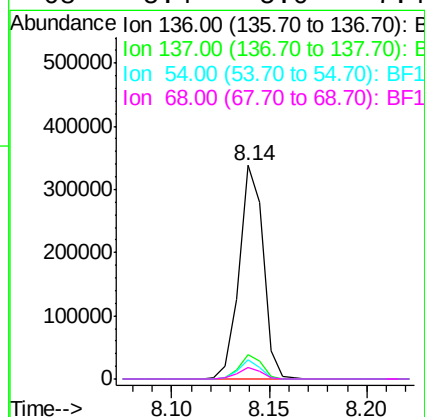
RT: 8.14 min Scan# 1029

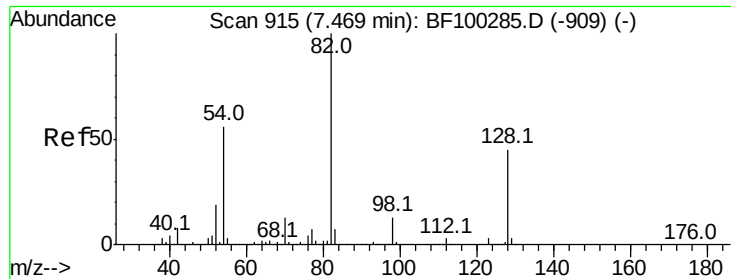
Delta R.T. -0.03 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:	136	Resp:	288000
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.9	6.6	9.8
68	5.4	5.0	7.4





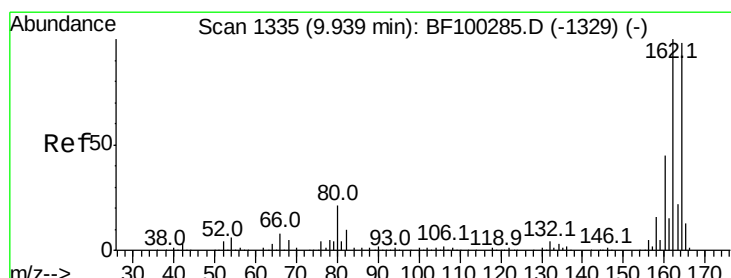
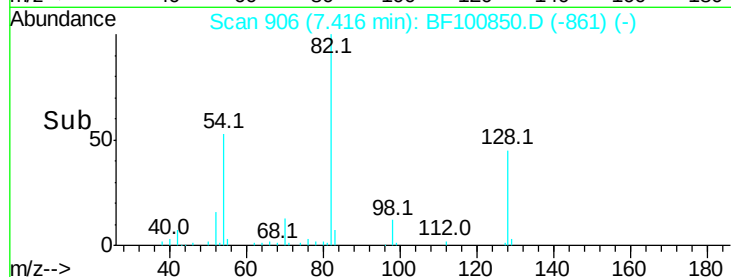
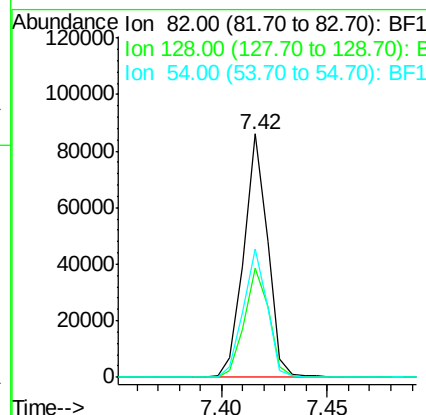
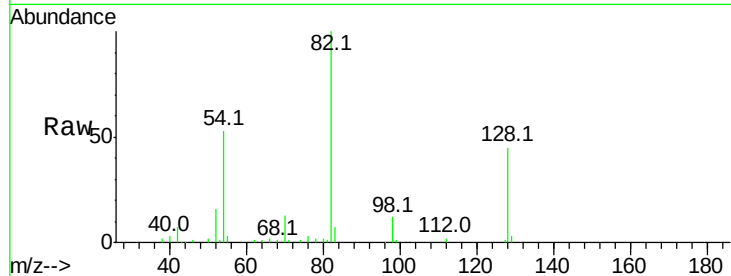
#23
Nitrobenzene-d5
Concen: 15.333 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.04 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(7-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	52.8	41.4	62.2

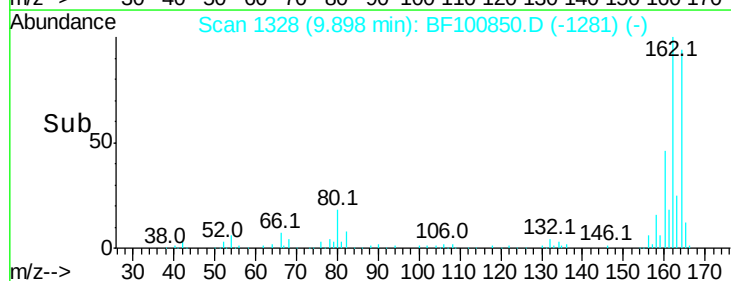
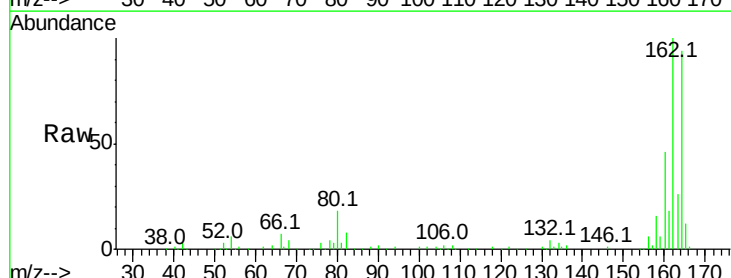
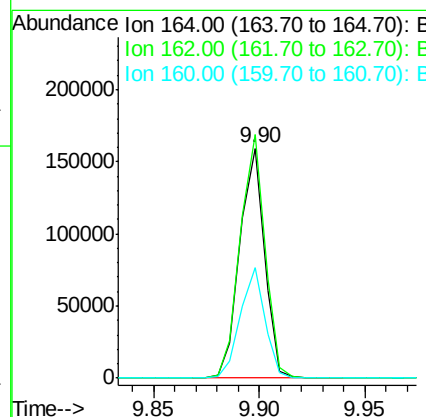
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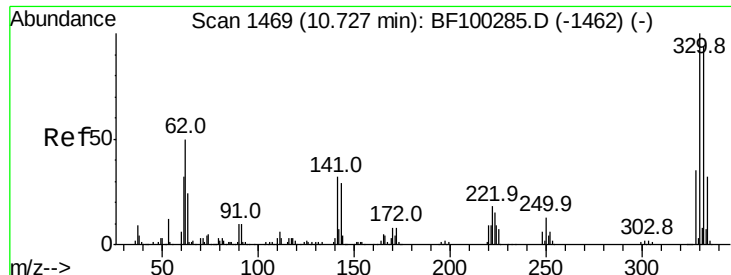
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	48.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 19.960 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

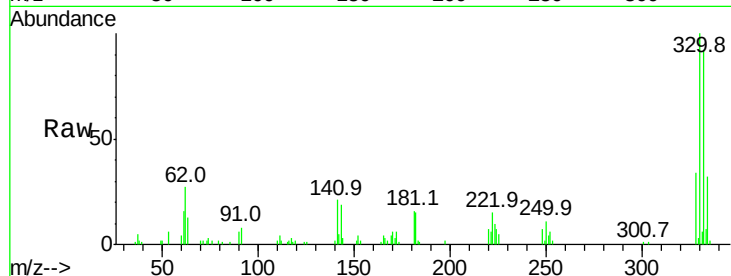
ClientSampled :

SAU-1-E(7-8)

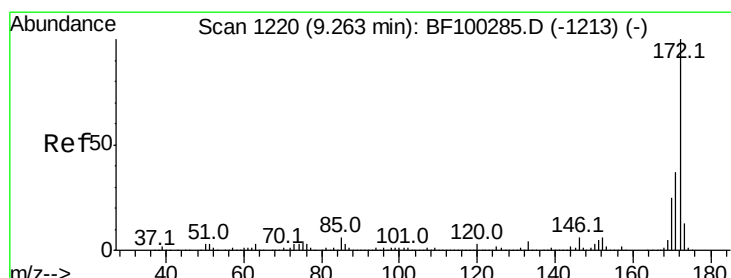
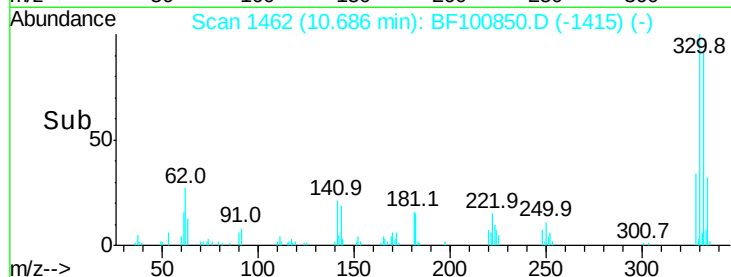
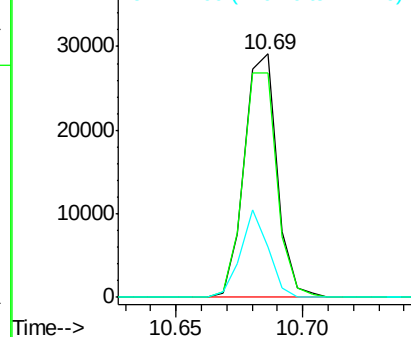
Tot Ion:	330	Resp:	26146
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.0	115.6
141	30.0	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 14.778 ng

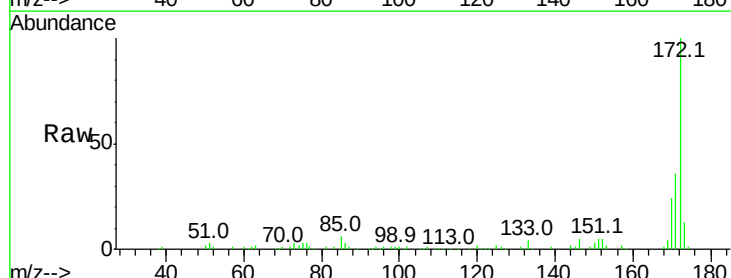
RT: 9.22 min Scan# 1212

Delta R.T. -0.02 min

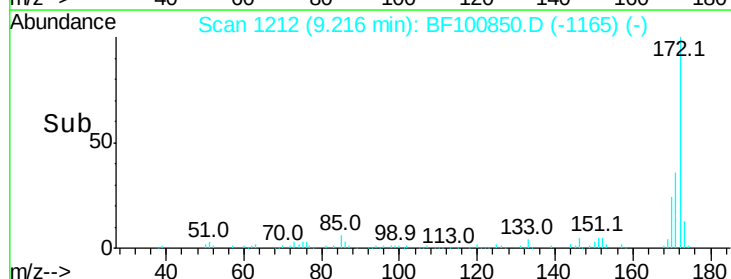
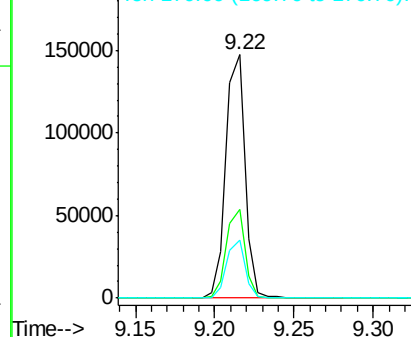
Lab File: BF100850.D

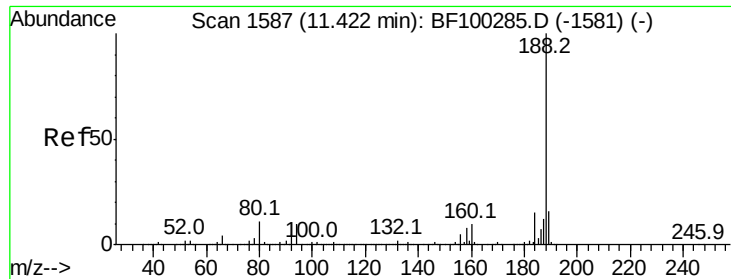
Acq: 23 Nov 2017 3:28

Tgt Ion:	172	Resp:	124764
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	23.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





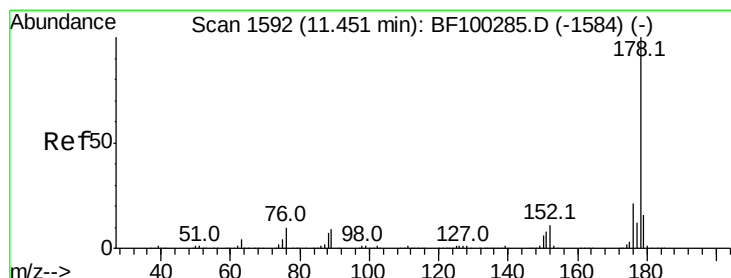
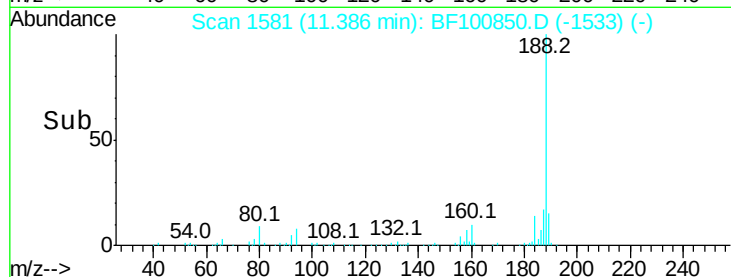
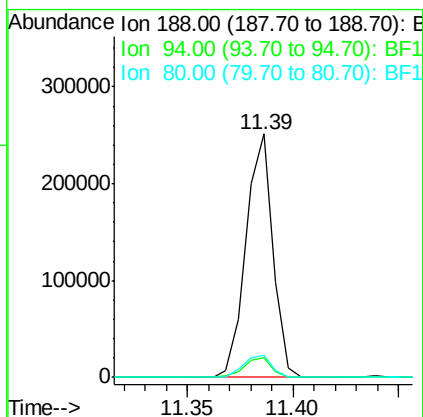
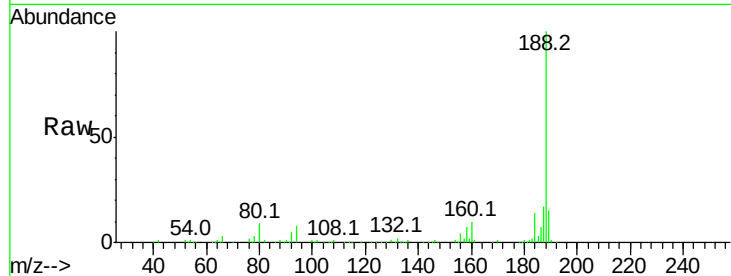
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(7-8)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.9	9.2	13.8#

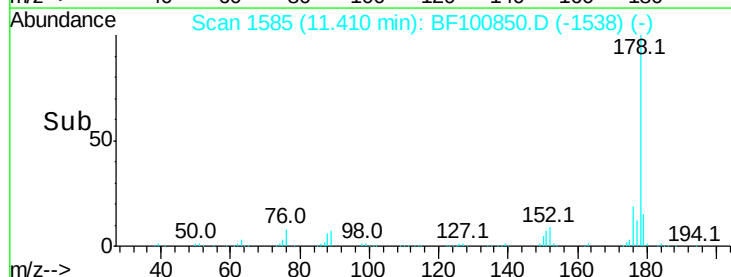
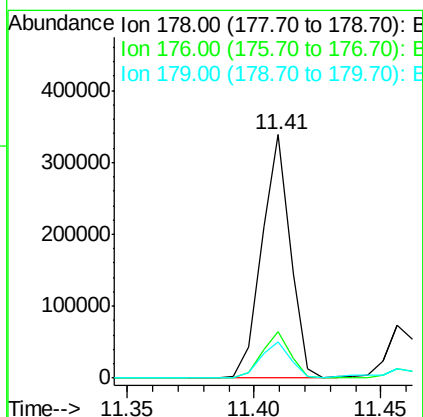
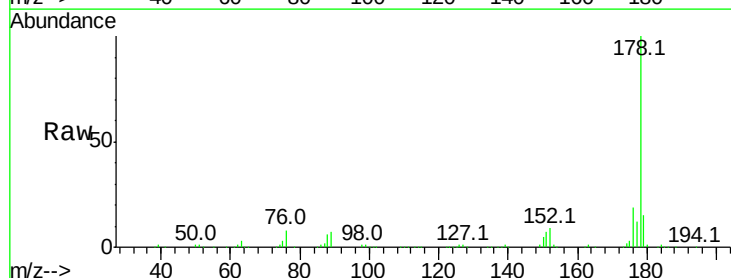
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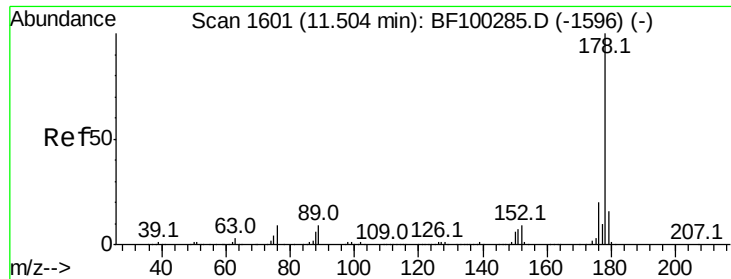
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#70
Phenanthrene
Concen: 22.844 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.8	13.0	19.6





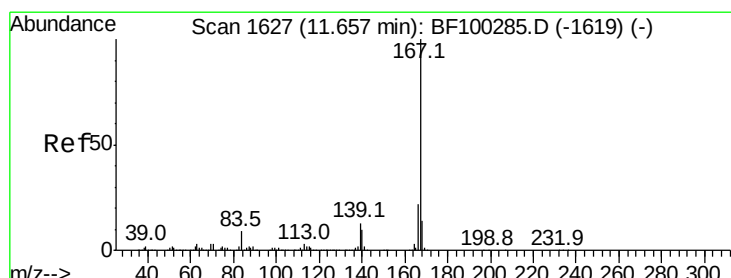
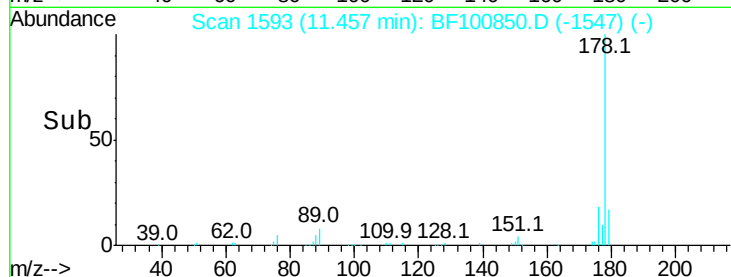
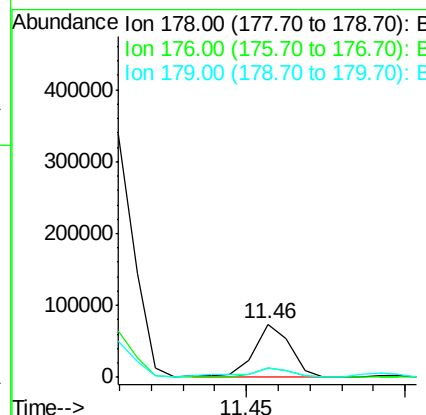
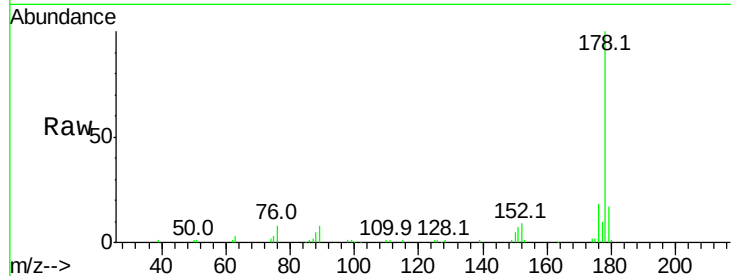
#71
 Anthracene
 Concen: 4.949 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.8	12.6	19.0

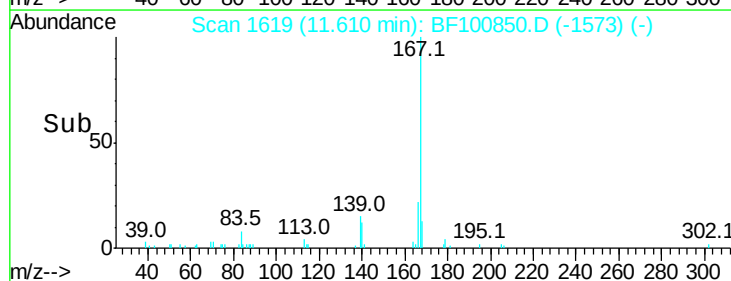
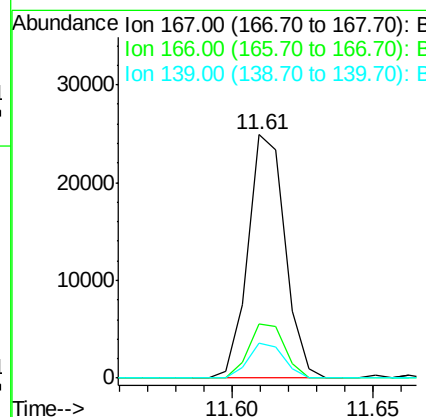
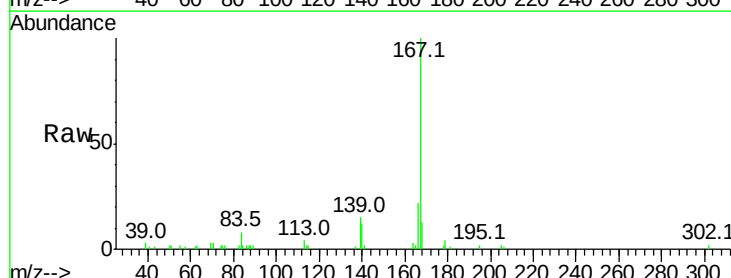
Manual Integrations
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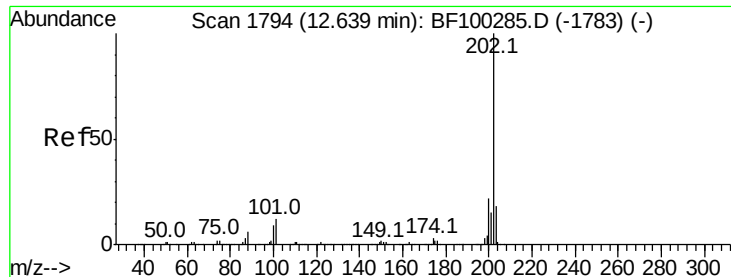
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#72
 Carbazole
 Concen: 2.072 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.03 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	14.6	10.9	16.3





#74

Fluoranthene

Concen: 19.769 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

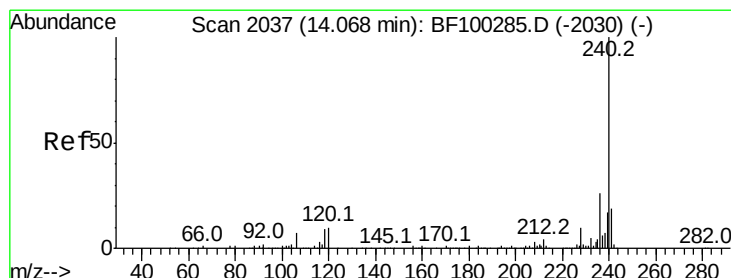
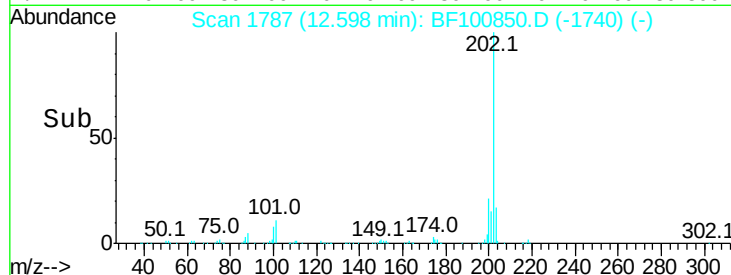
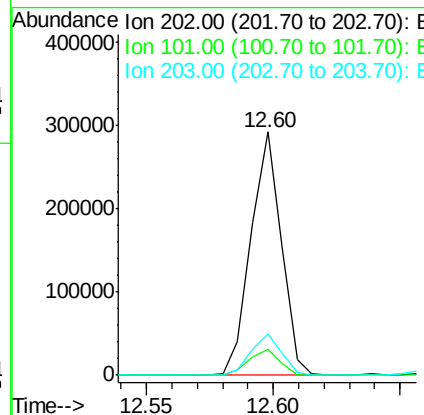
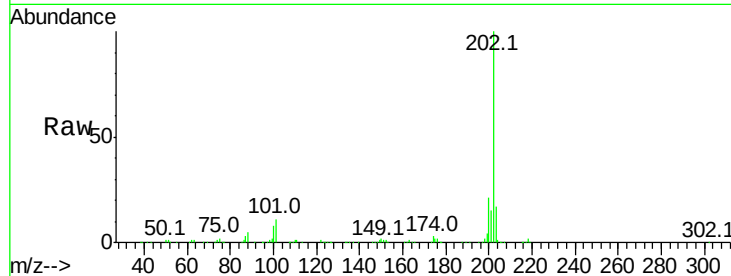
ClientSampleId :

SAU-1-E(7-8)

Tot Ion:	202	Resp:	244938
Ion Ratio		Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

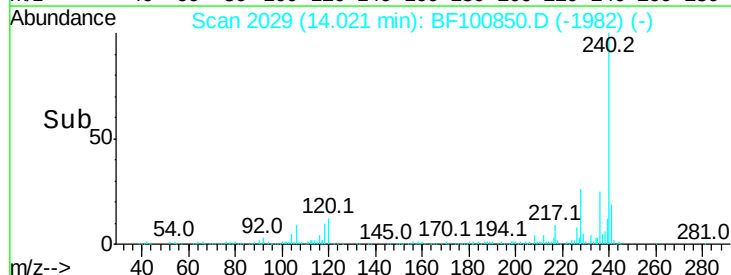
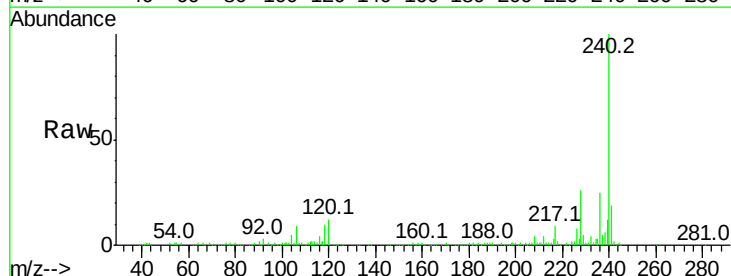
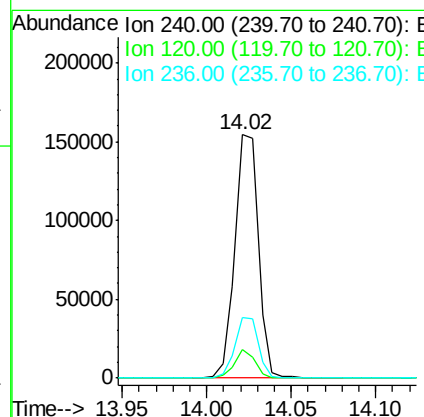
RT: 14.02 min Scan# 2029

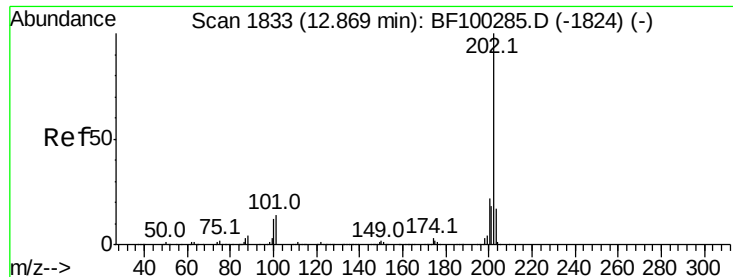
Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:	240	Resp:	148827
Ion Ratio		Lower	Upper
240	100		
120	11.8	9.5	14.3
236	24.8	20.7	31.1





#77

Pvrene

Concen: 20.224 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

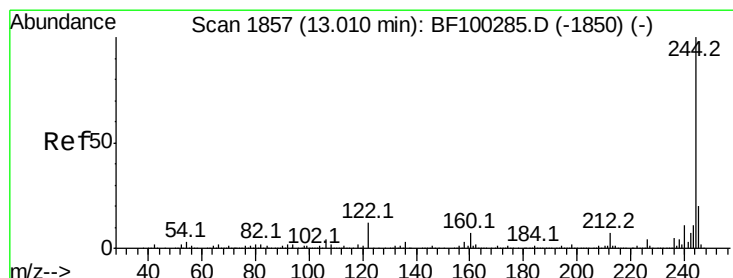
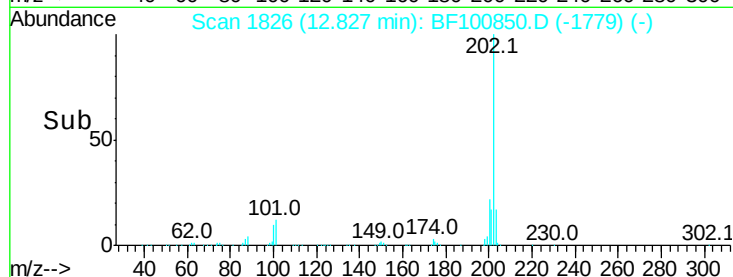
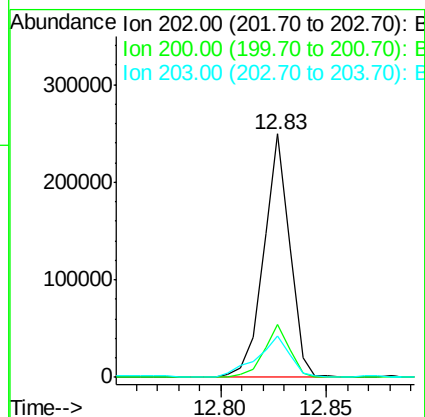
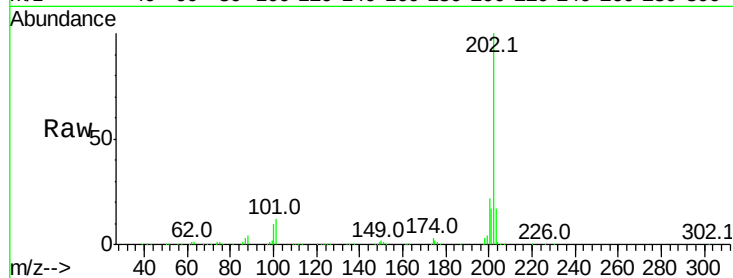
ClientSampleId :

SAU-1-E(7-8)

Tot Ion:	202	Resp:	214553
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 12.915 ng

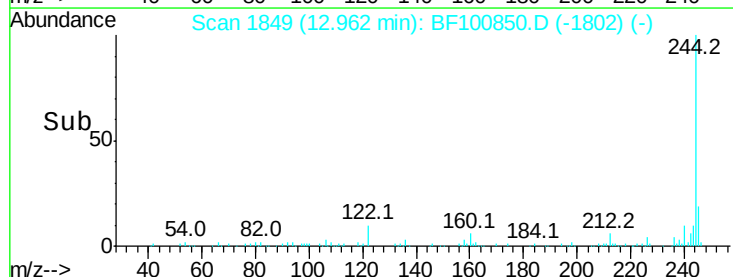
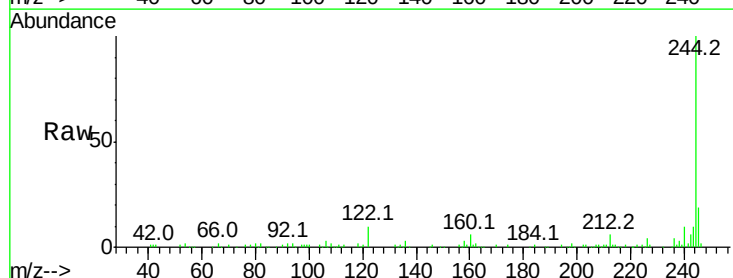
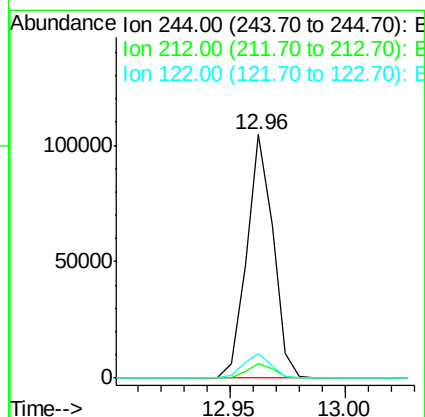
RT: 12.96 min Scan# 1849

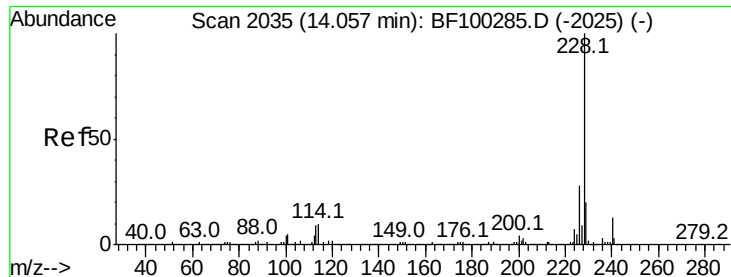
Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:	244	Resp:	83655
Ion Ratio		Lower	Upper
244	100		
212	6.2	5.4	8.0
122	9.9	11.0	16.4#





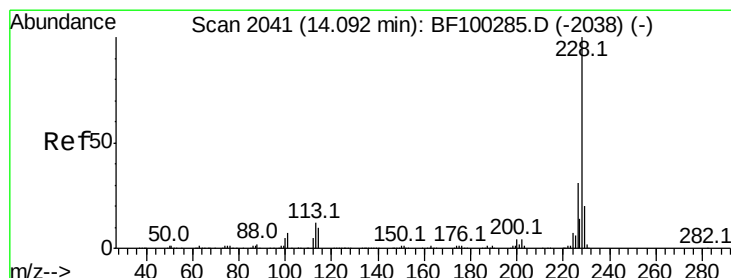
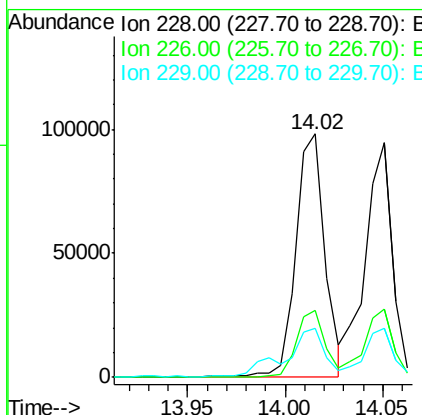
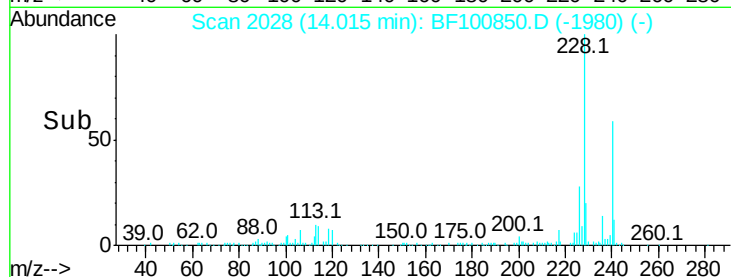
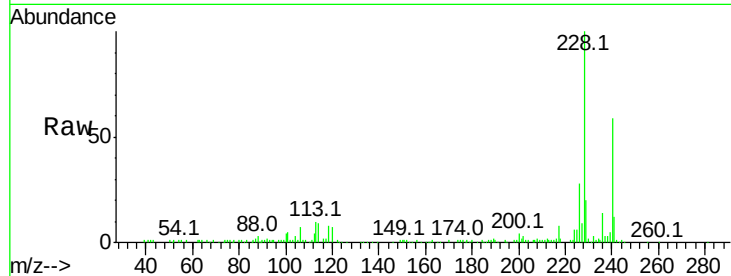
#80
Benzo(a)anthracene
Concen: 11.291 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampled :
SAU-1-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.9	15.8	23.6

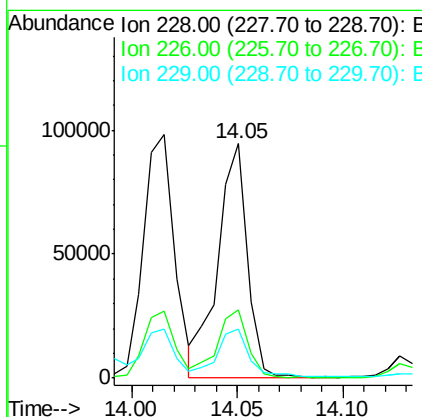
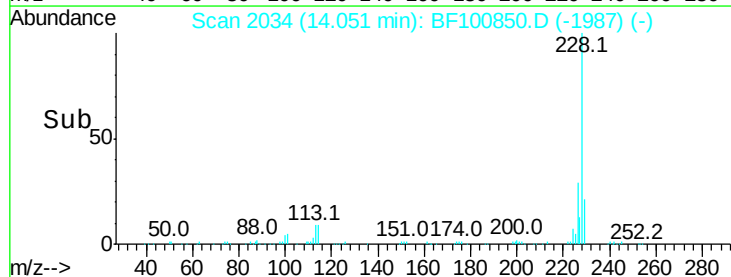
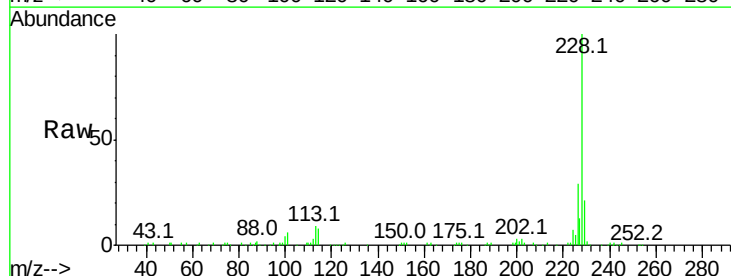
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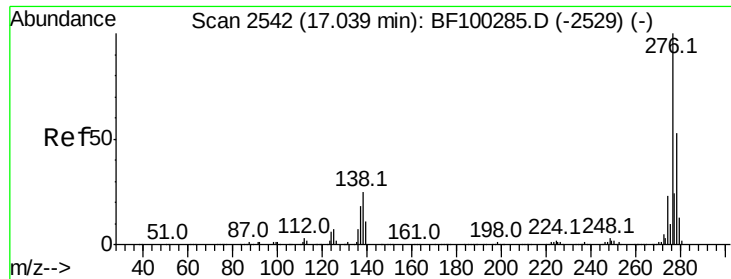
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#82
Chrysene
Concen: 10.602 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	21.0	16.2	24.4





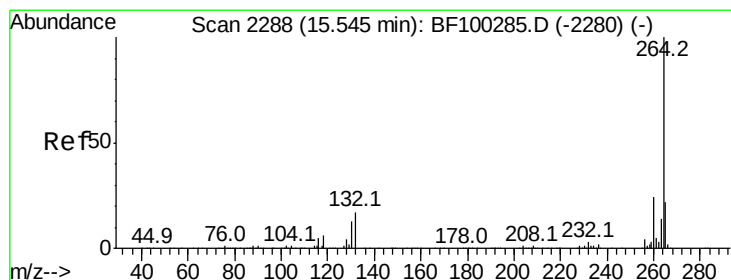
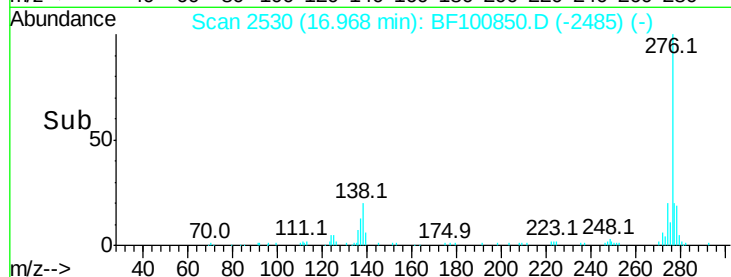
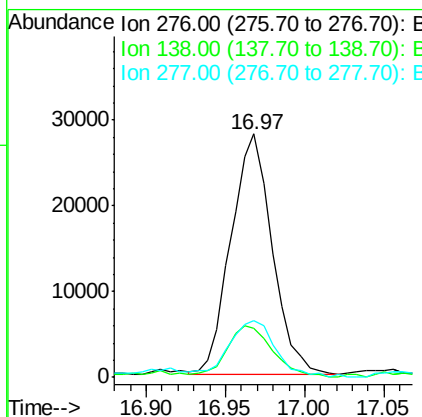
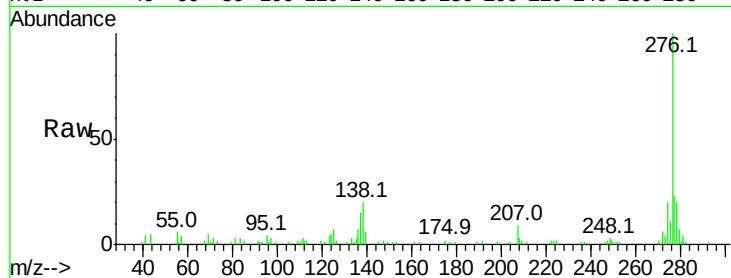
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.171 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	27.2	20.1	30.1

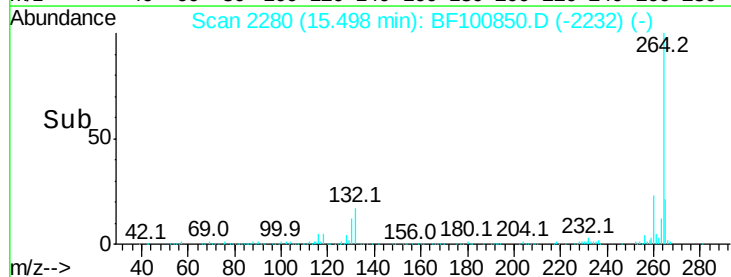
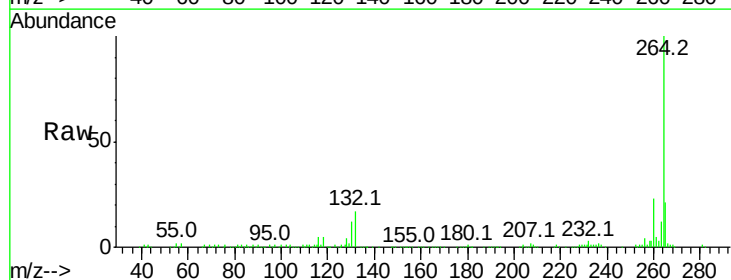
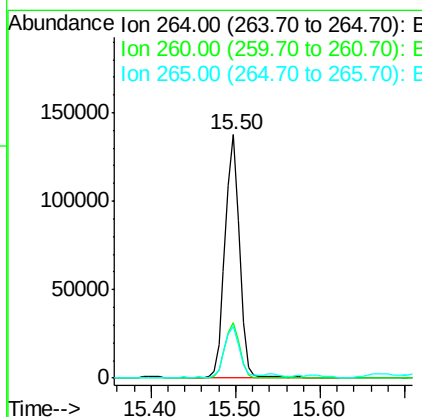
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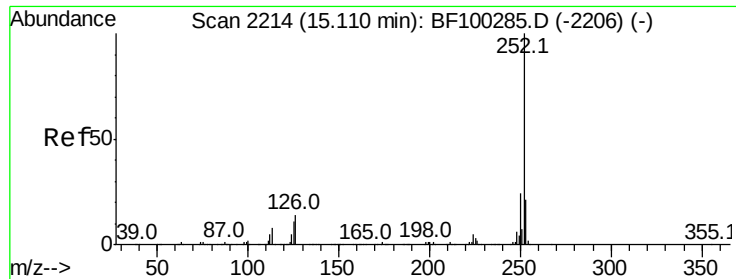
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.883 ng m

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Instrument :

BNA_F

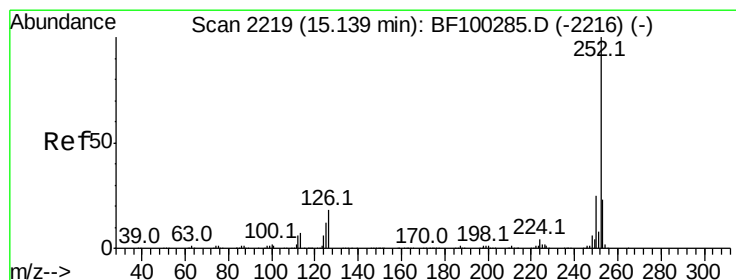
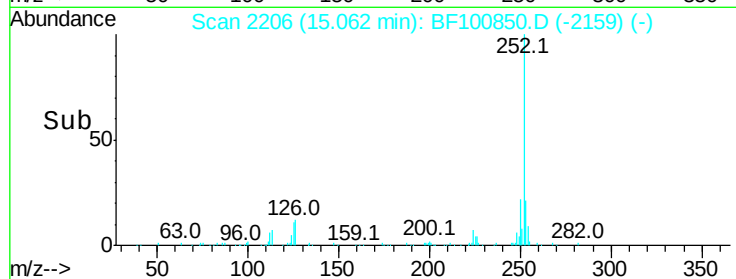
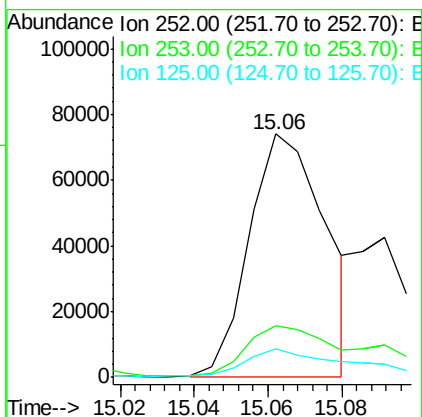
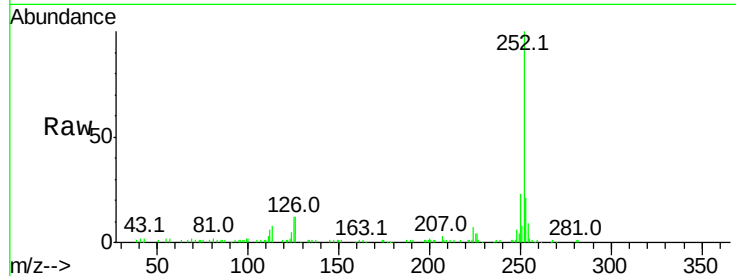
ClientSampleId :

SAU-1-E(7-8)

Tot Ion:	252	Resp:	107033
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.0	25.6
125	11.8	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.328 ng m

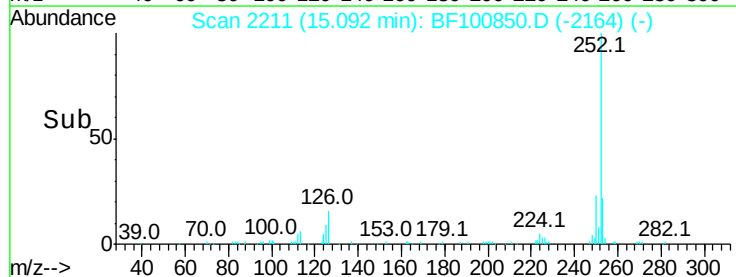
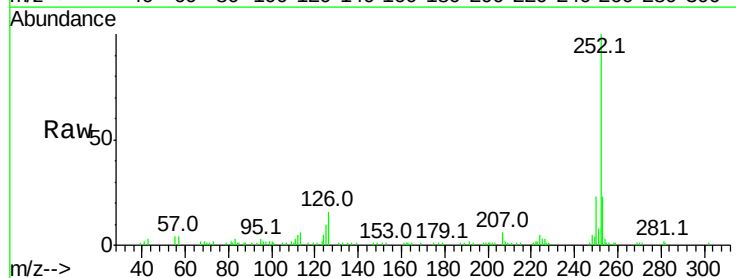
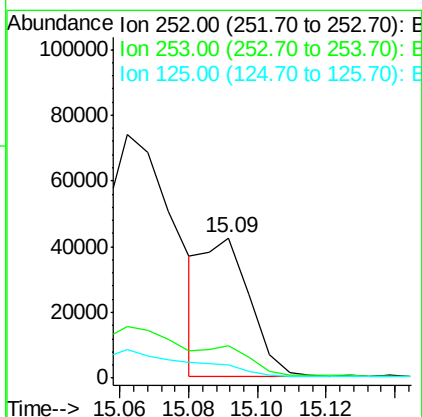
RT: 15.09 min Scan# 2211

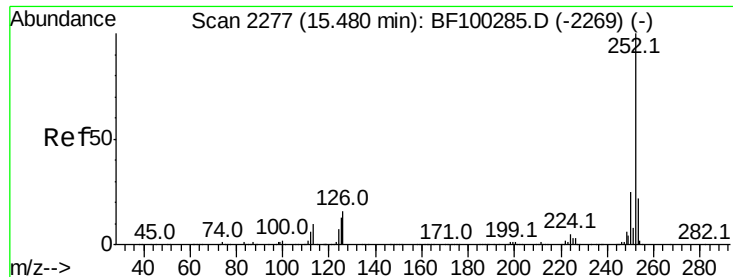
Delta R.T. -0.02 min

Lab File: BF100850.D

Acq: 23 Nov 2017 3:28

Tgt Ion:	252	Resp:	40220
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	9.7	10.2	15.2#





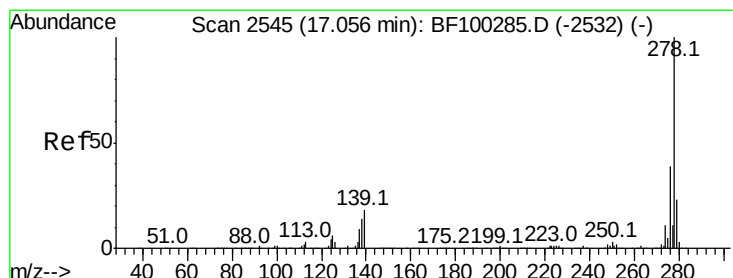
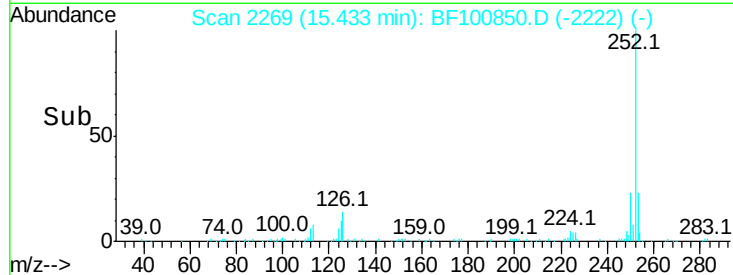
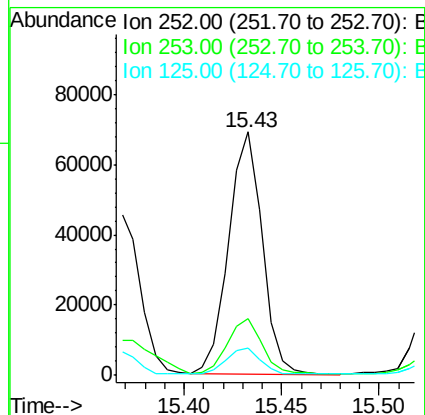
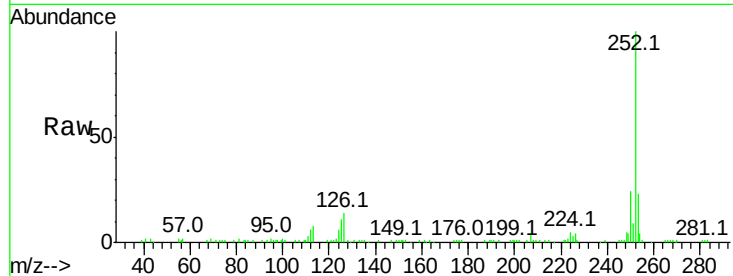
#89
Benzo(a)pyrene
Concen: 9.490 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(7-8)

Tot Ion:	252	Resp:	82746
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	11.1	9.8	14.6

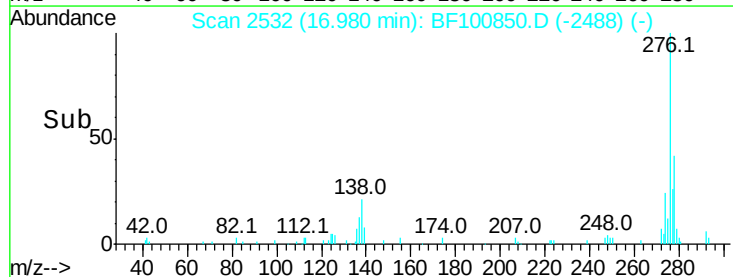
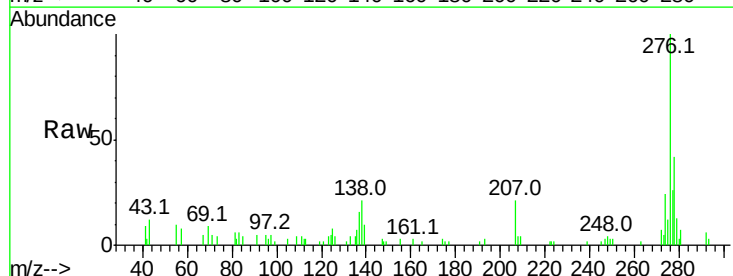
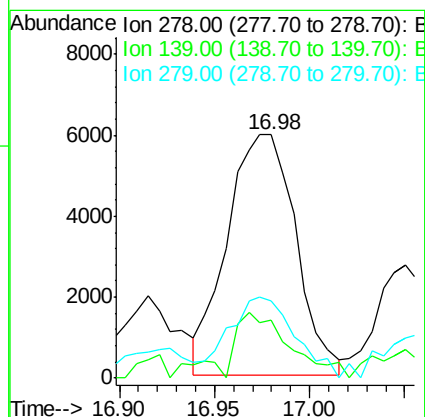
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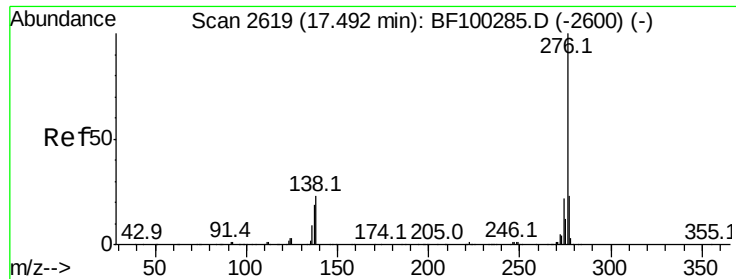
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#90
Dibenzo(a,h)anthracene
Concen: 2.085 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF100850.D
Acq: 23 Nov 2017 3:28

Tgt Ion:	278	Resp:	14867
Ion Ratio	Lower	Upper	
278	100		
139	23.6	15.9	23.9
279	31.7	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 6.783 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.04 min
 Lab File: BF100850.D
 Acq: 23 Nov 2017 3:28

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	17.9	26.9#
138	23.7	21.8	32.8

Manual Integrations
 APPROVED

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