

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
 Data File : BF100439.D
 Acq On : 11 Nov 2017 14:35
 Operator : SJ/JU
 Sample : I6396-05 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL

Manual Integrations
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SOHIL
 11/13/2017 4:54:20 PM

Quant Time: Nov 13 03:13:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	124927	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	442455	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	170165	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	289873	20.00	ng	0.00
75) Chrysene-d12	14.07	240	278108	20.00	ng	0.00
86) Perylene-d12	15.56	264	206351	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	56752	7.28	ng	0.00
7) Phenol-d6	6.52	99	67153	6.99	ng	-0.01
23) Nitrobenzene-d5	7.46	82	33182	4.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	10363	5.98	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	63243	5.66	ng	0.00
78) Terphenyl-d14	13.01	244	53686	4.44	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.20	128	58352	2.738	ng	97
57) Fluorene	10.49	166	25422	2.301	ng	95
70) Phenanthrene	11.45	178	420307	27.539	ng	99
71) Anthracene	11.50	178	97843	6.319	ng	98
72) Carbazole	11.66	167	54801	3.836	ng	98
74) Fluoranthene	12.65	202	800987	49.520	ng	97
77) Pyrene	12.87	202	699404	35.280	ng	100
80) Benzo(a)anthracene	14.06	228	403722	24.106	ng	98
82) Chrysene	14.09	228	376638	23.224	ng	97
85) Indeno(1,2,3-cd)pyrene	17.05	276	102863m	7.842	ng	
87) Benzo(b)fluoranthene	15.12	252	321685m	26.313	ng	
88) Benzo(k)fluoranthene	15.14	252	127934m	11.076	ng	
89) Benzo(a)pyrene	15.49	252	194600	17.955	ng	97
90) Dibenzo(a,h)anthracene	17.06	278	27433	3.095	ng	# 91
91) Benzo(a,h,i)perylene	17.50	276	88180	10.163	ng	95

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

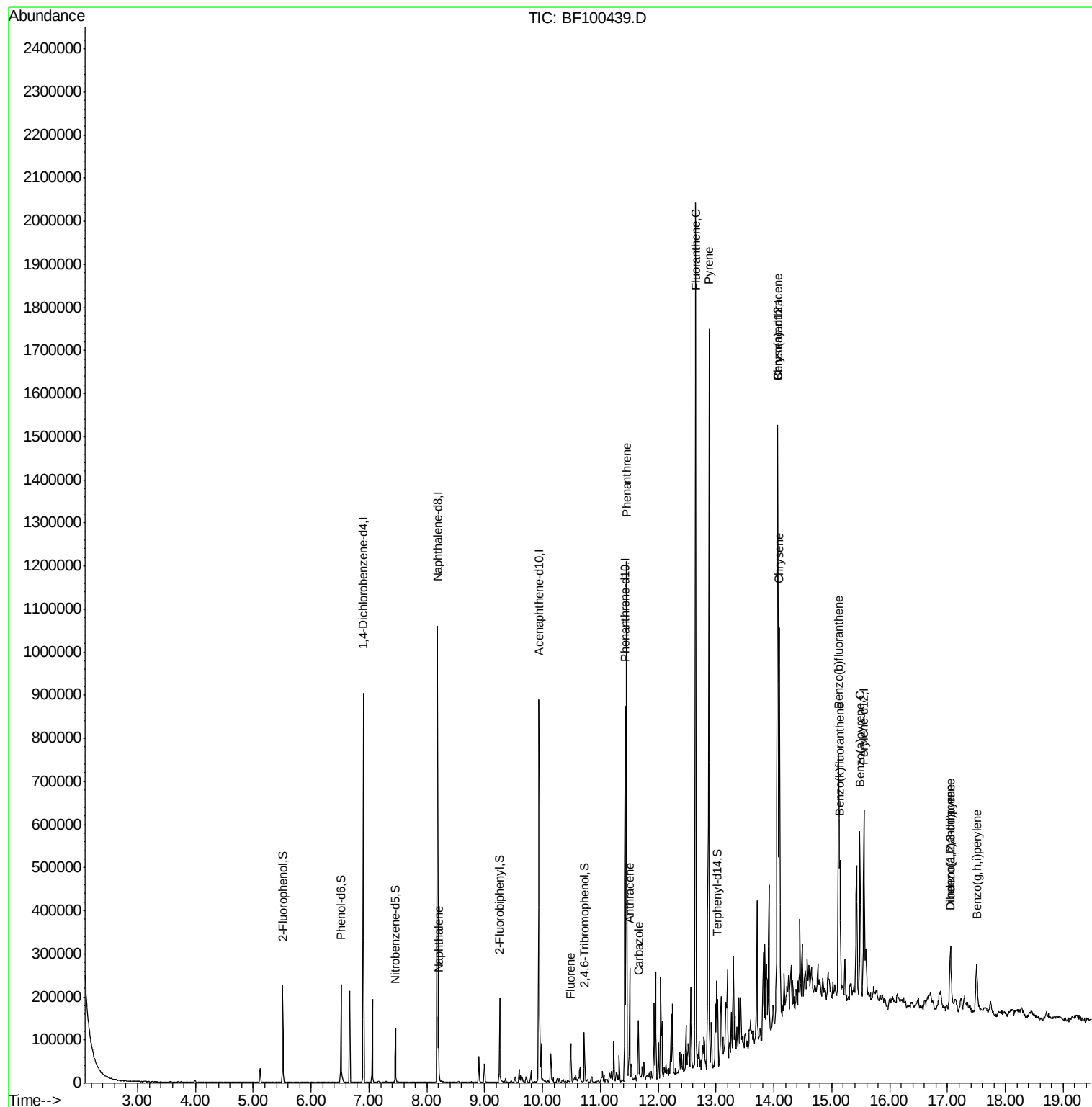
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111117\
Data File : BF100439.D
Acq On : 11 Nov 2017 14:35
Operator : SJ/JU
Sample : I6396-05 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

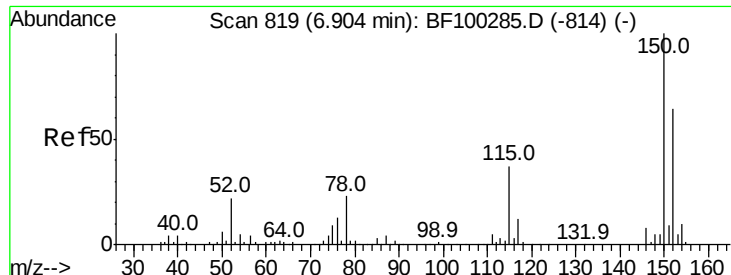
Instrument :
BNA_F
ClientSampleId :
LS-SOIL

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Quant Time: Nov 13 03:13:37 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

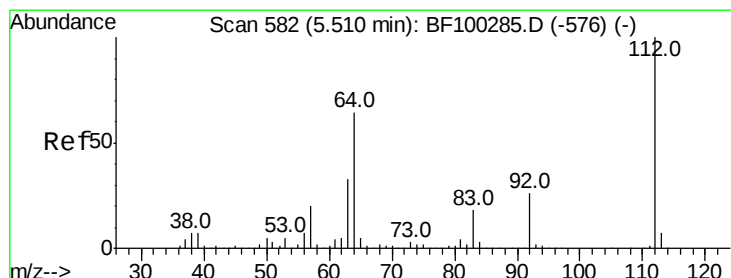
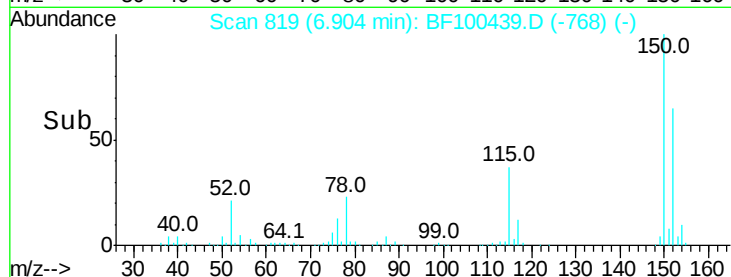
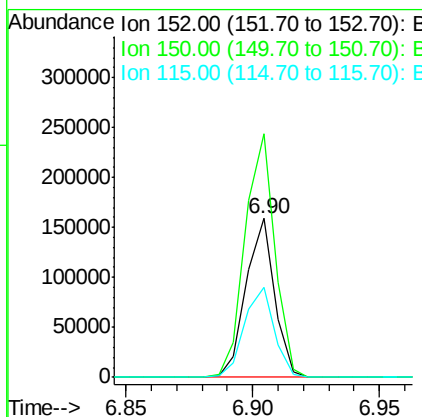
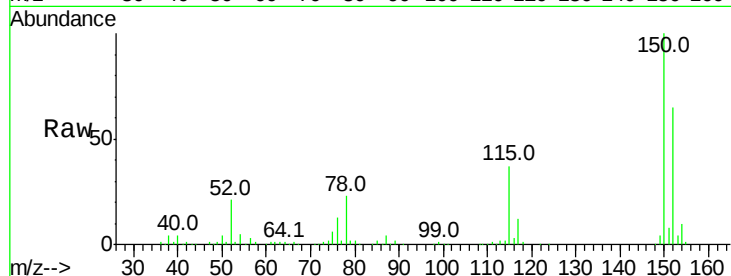
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampleId :
LS-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	56.9	50.1	75.1

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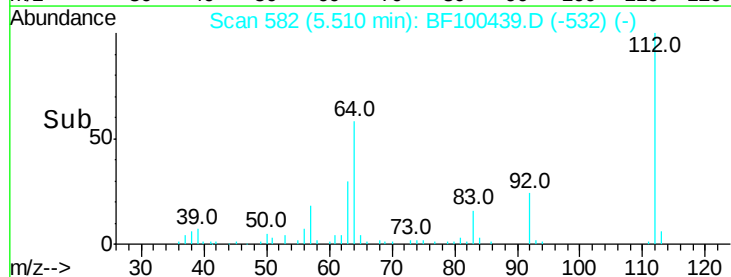
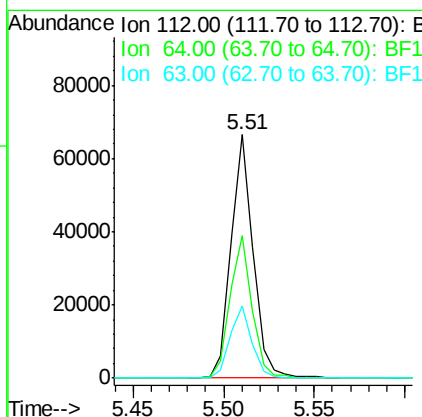
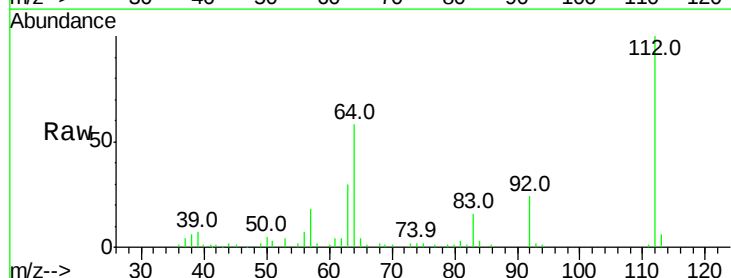
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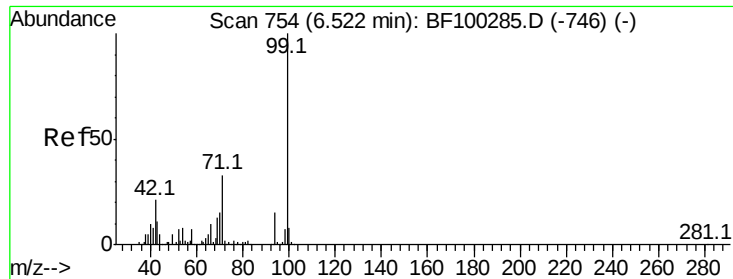


#5

2-Fluorophenol
Concen: 7.282 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 6.988 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Instrument :

BNA_F

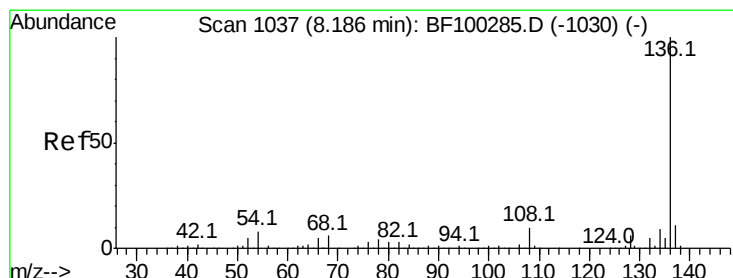
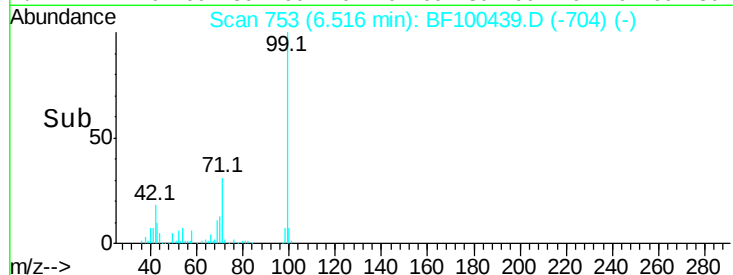
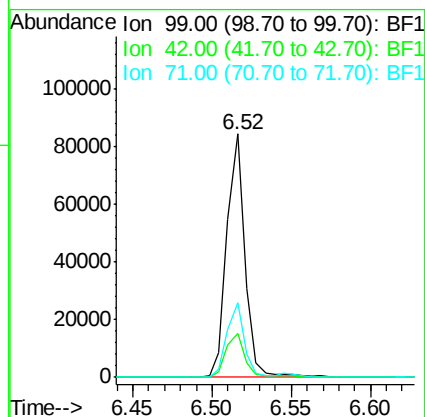
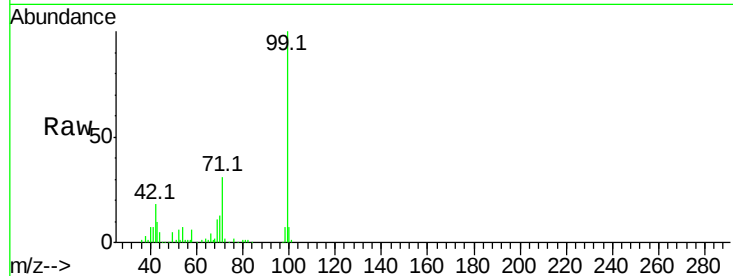
ClientSampled :

LS-SOIL

Tot Ion:	99	Resp:	67153
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

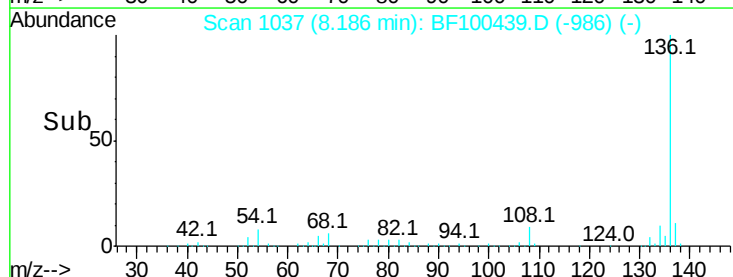
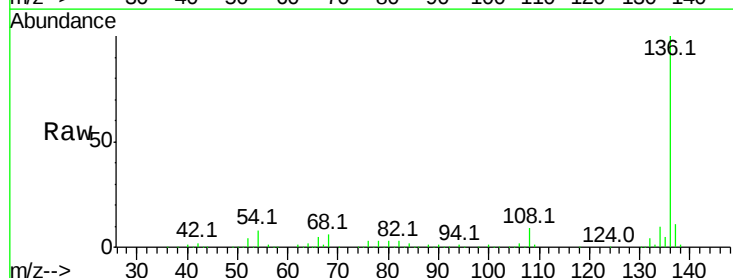
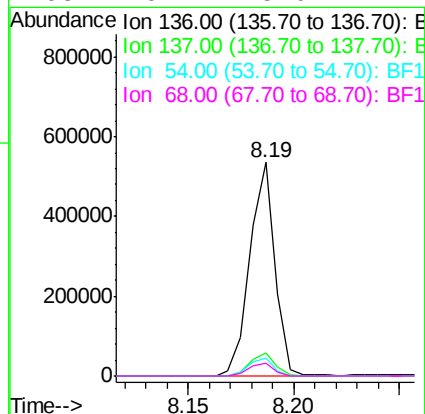
RT: 8.19 min Scan# 1037

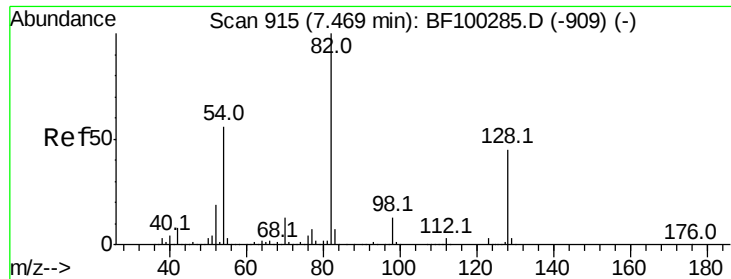
Delta R.T. -0.00 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Tgt Ion:	136	Resp:	442455
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.2	6.6	9.8
68	6.2	5.0	7.4





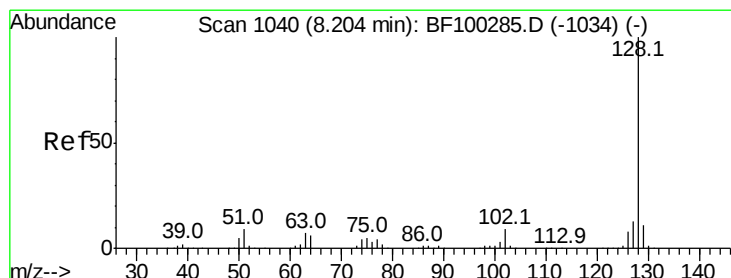
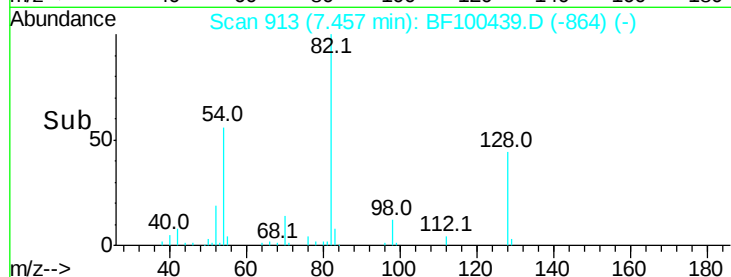
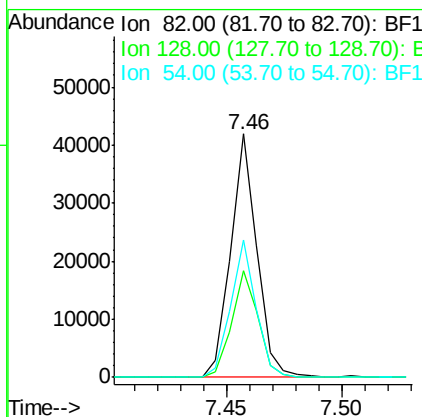
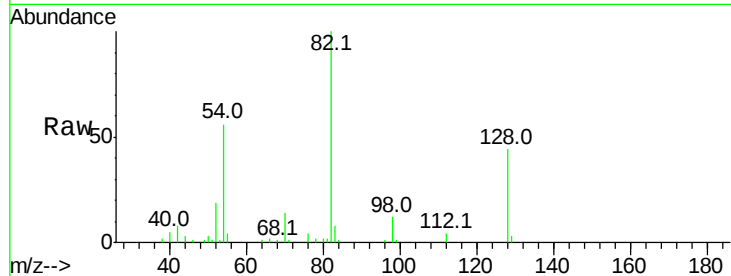
#23
Nitrobenzene-d5
Concen: 4.958 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampled :
LS-SOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	56.4	41.4	62.2

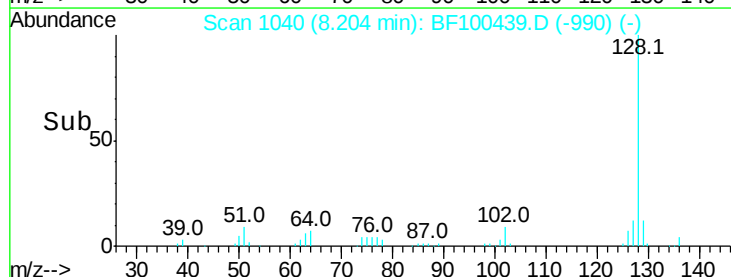
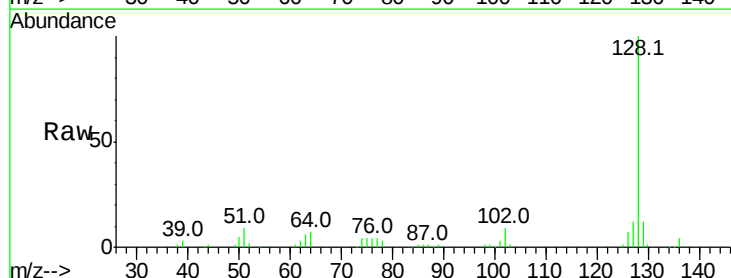
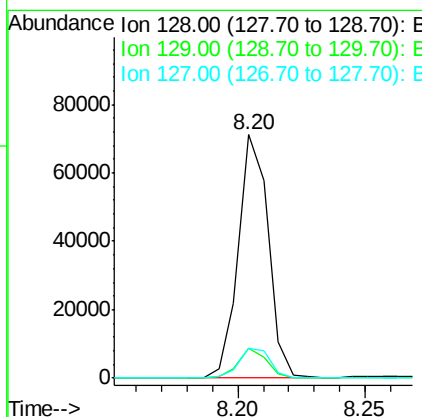
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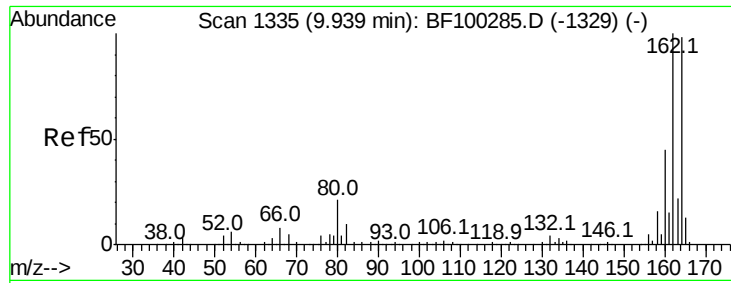
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#31
Naphthalene
Concen: 2.738 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	12.4	10.9	16.3





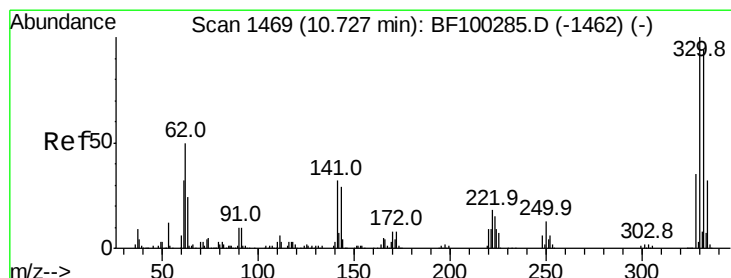
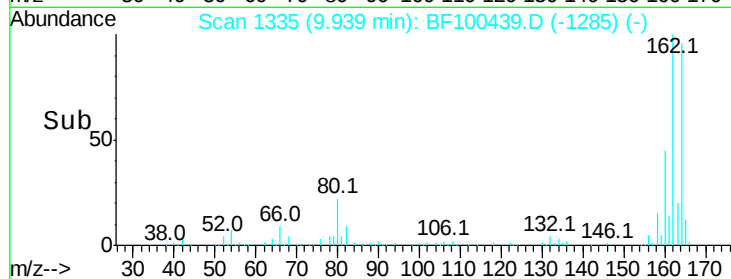
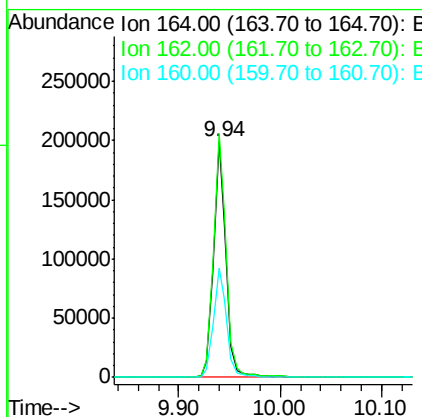
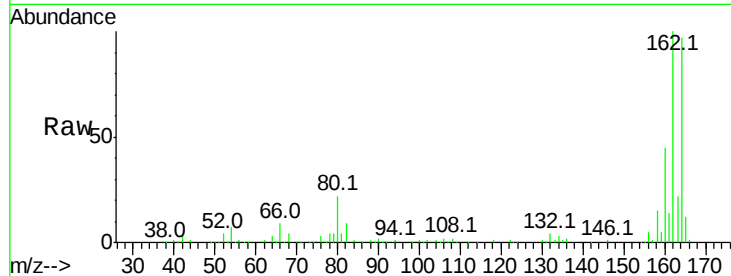
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampled :
LS-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	170165		
162	103.4	86.1	129.1	
160	46.5	38.3	57.5	

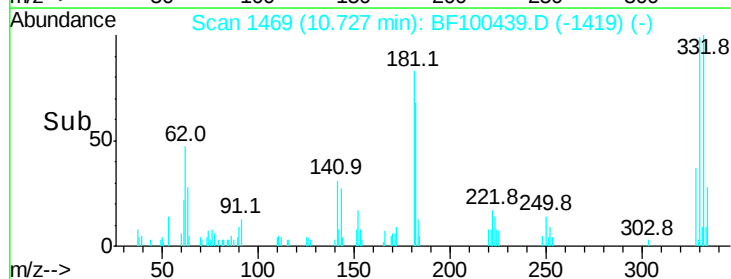
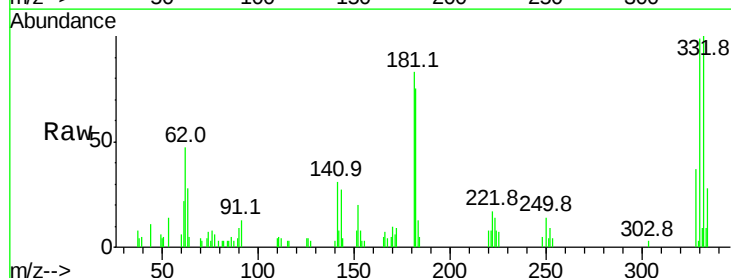
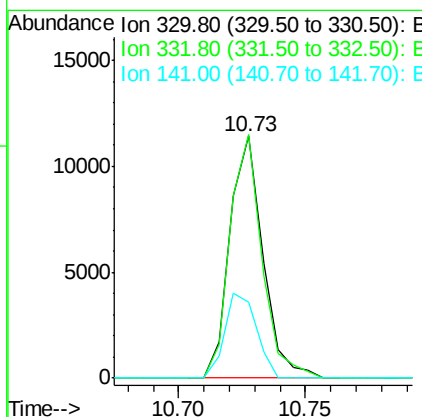
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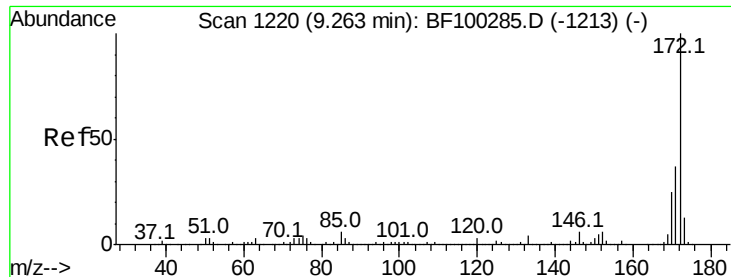
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#41
2,4,6-Tribromophenol
Concen: 5.976 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10363		
332	97.5	77.0	115.6	
141	33.7	29.9	44.9	





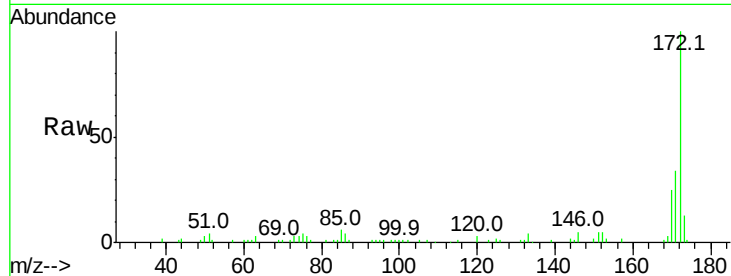
#44
2-Fluorobiphenyl
Concen: 5.659 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampled :
LS-SOIL

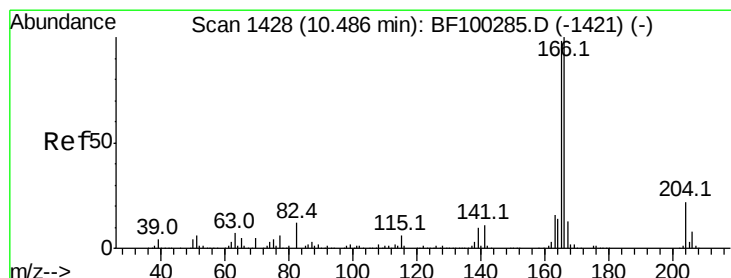
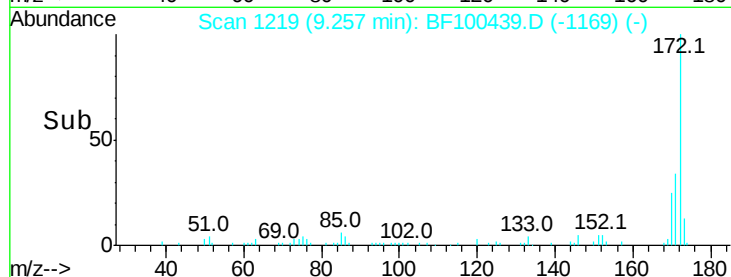
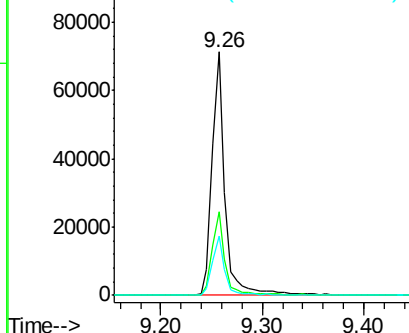
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	24.5	19.6	29.4

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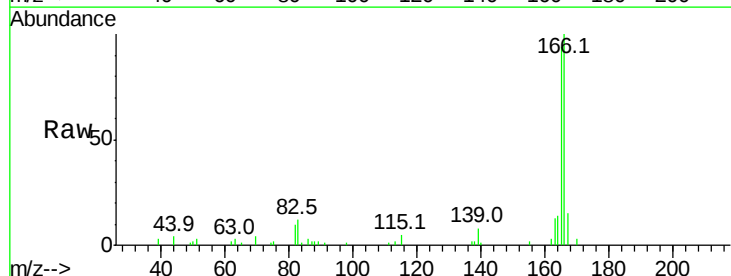


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

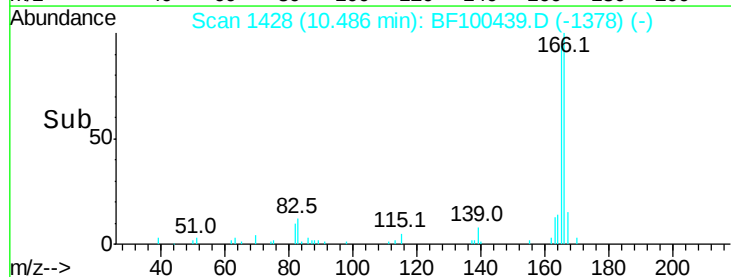
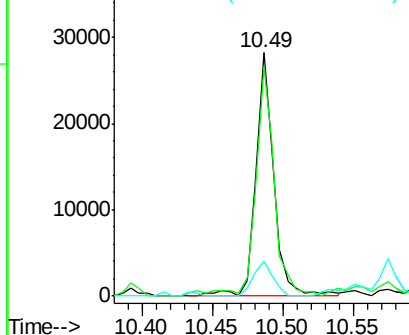


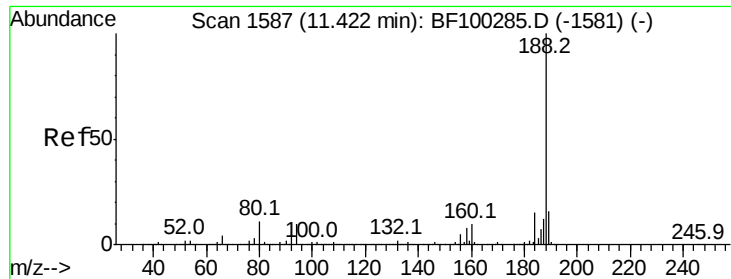
#57
Fluorene
Concen: 2.301 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	79.8	119.8
167	14.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





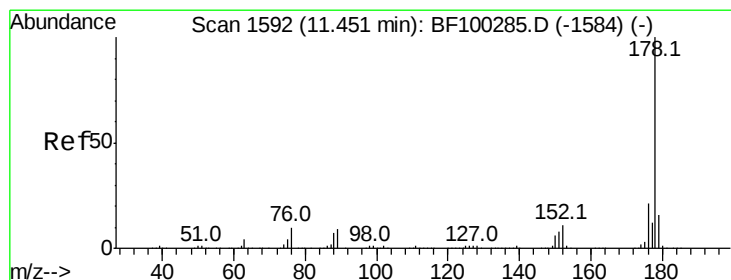
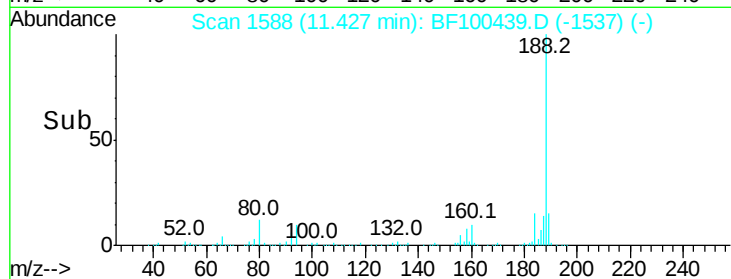
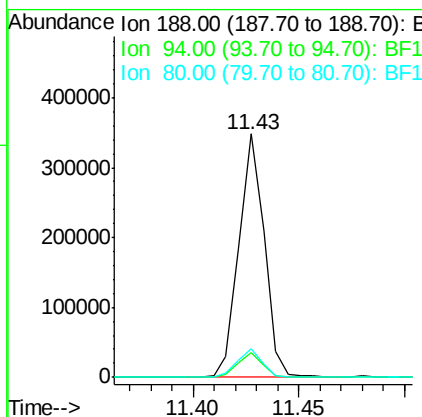
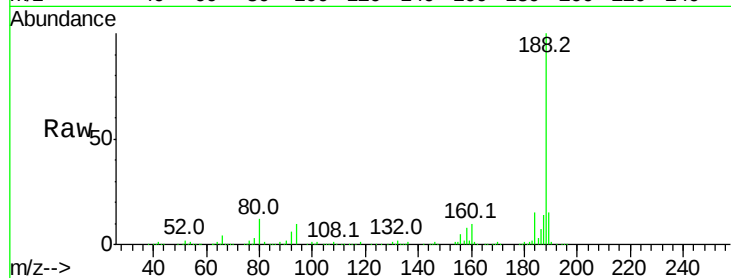
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampleId :
LS-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	289873		
94	10.2		8.5	12.7
80	11.6		9.2	13.8

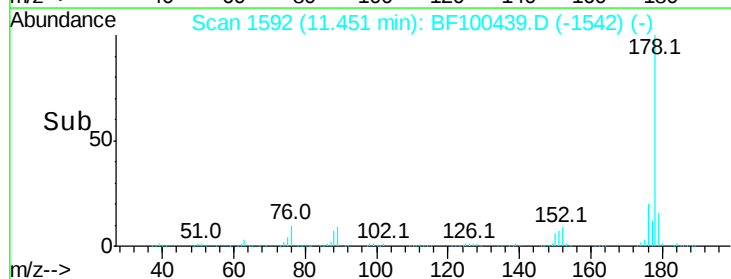
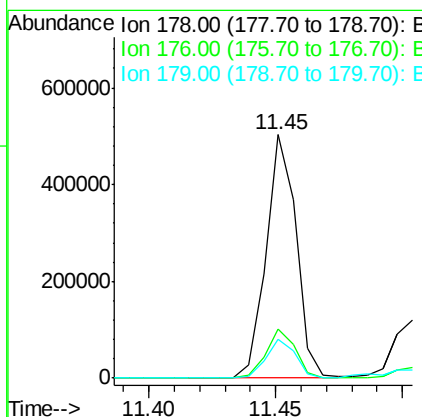
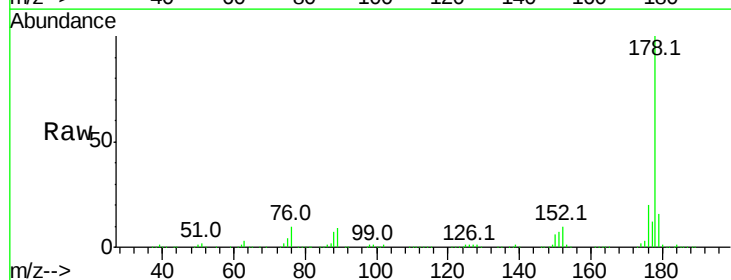
Manual Integrations
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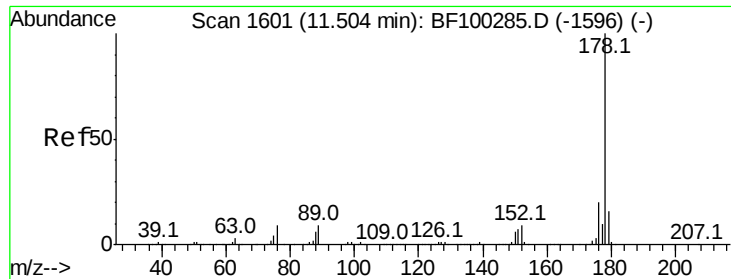
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#70
Phenanthrene
Concen: 27.539 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	420307		
176	20.1		15.8	23.8
179	16.0		13.0	19.6





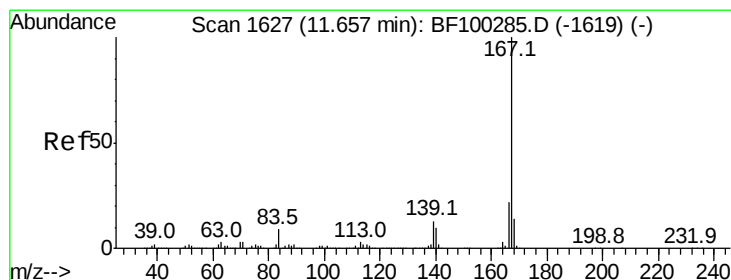
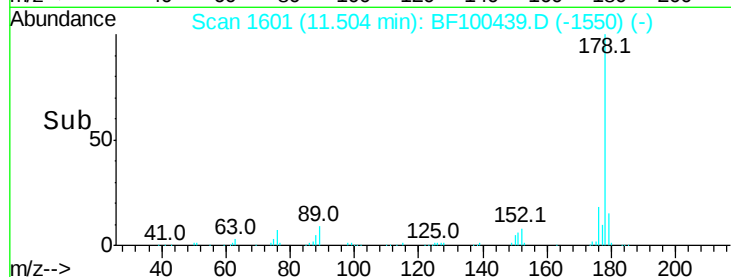
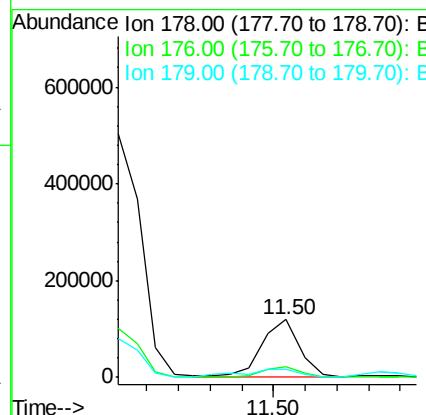
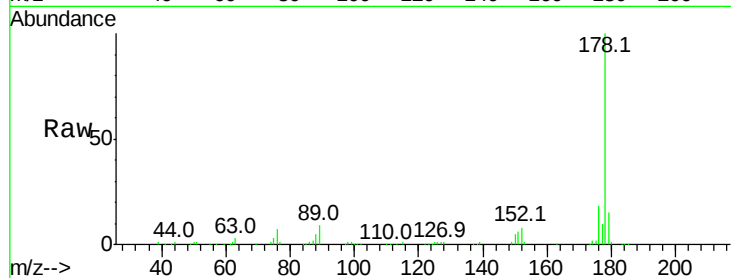
#71
 Anthracene
 Concen: 6.319 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF100439.D
 Acq: 11 Nov 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.9	12.6	19.0

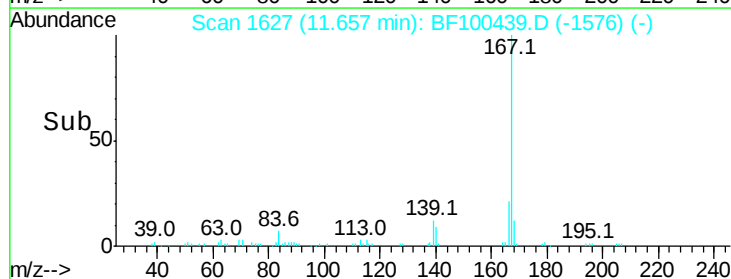
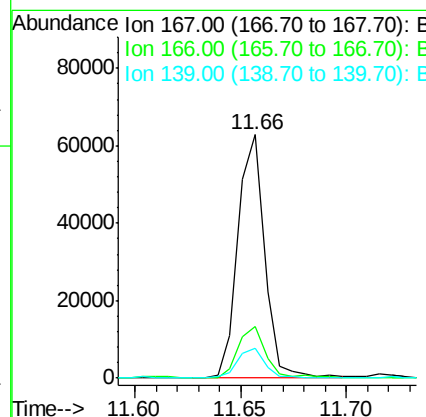
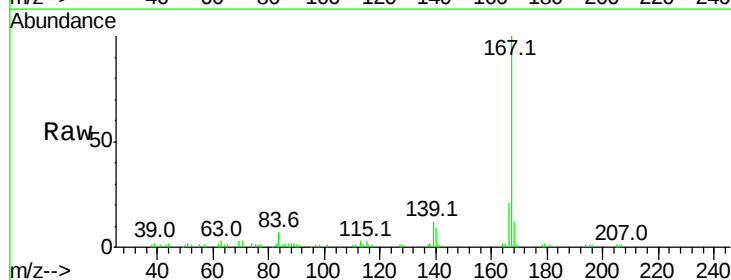
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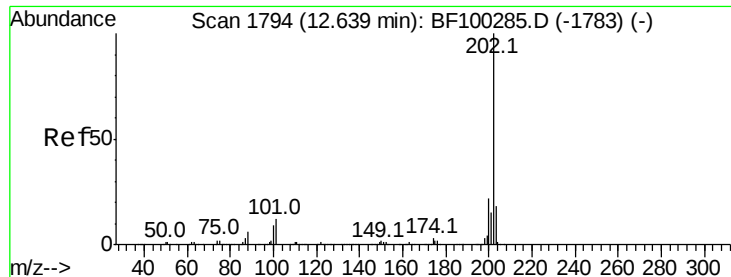
SOHIL
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#72
 Carbazole
 Concen: 3.836 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BF100439.D
 Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	12.4	10.9	16.3





#74

Fluoranthene

Concen: 49.520 ng

RT: 12.65 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Instrument :

BNA_F

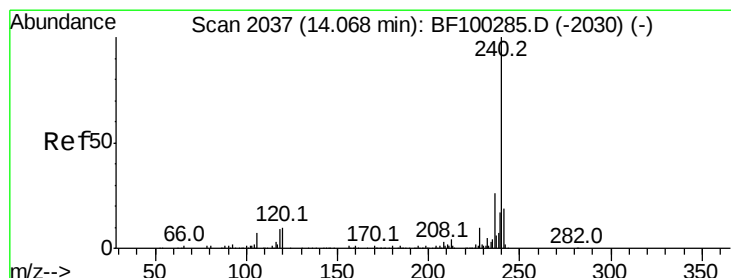
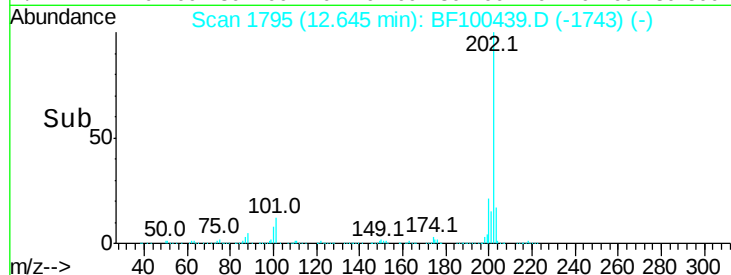
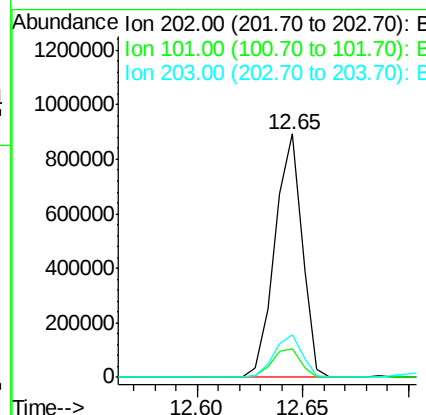
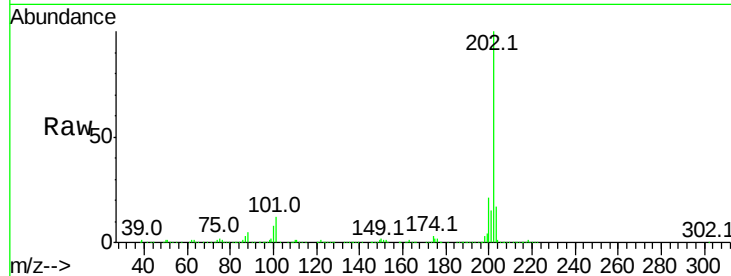
ClientSampleId :

LS-SOIL

Tot Ion:	202	Resp:	800987
Ion Ratio		Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

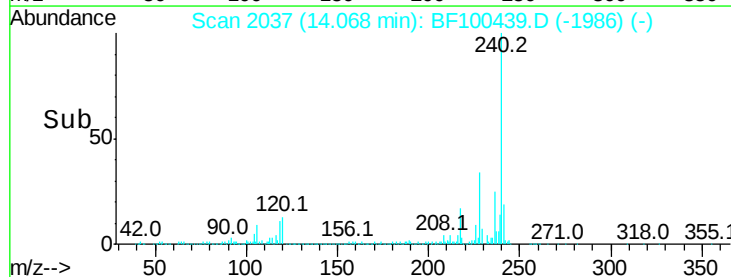
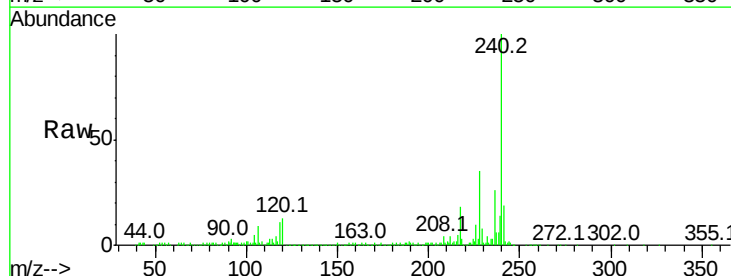
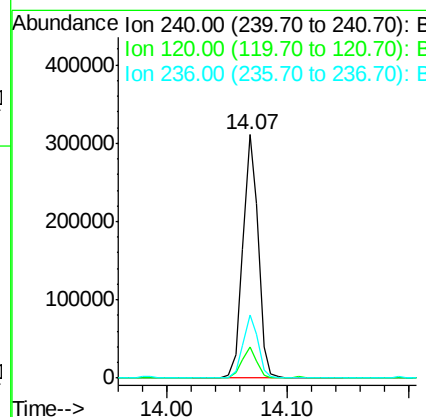
RT: 14.07 min Scan# 2037

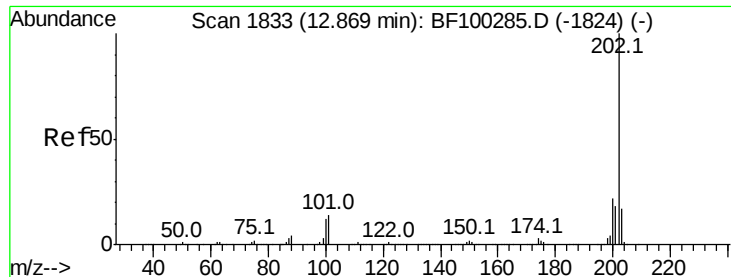
Delta R.T. -0.00 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Tgt Ion:	240	Resp:	278108
Ion Ratio		Lower	Upper
240	100		
120	12.7	9.5	14.3
236	25.7	20.7	31.1





#77

Pvrene

Concen: 35.280 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Instrument :

BNA_F

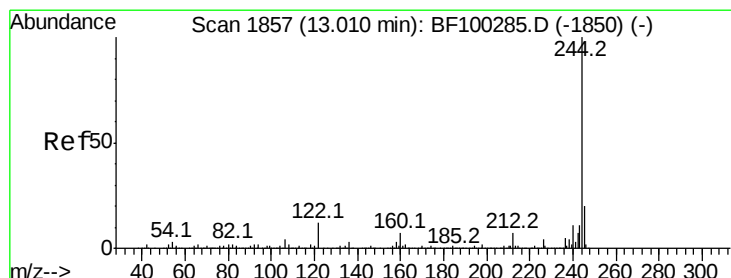
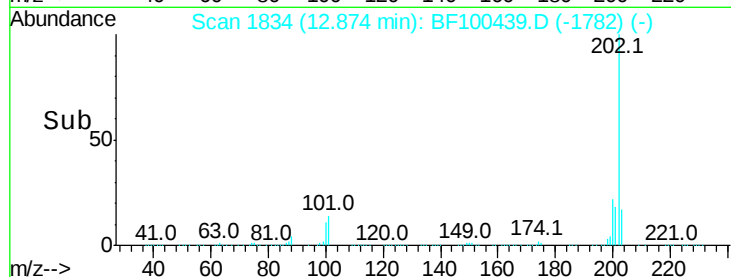
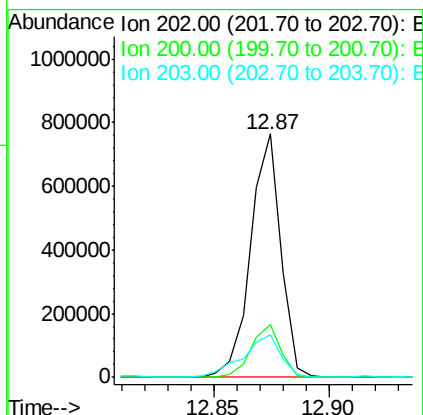
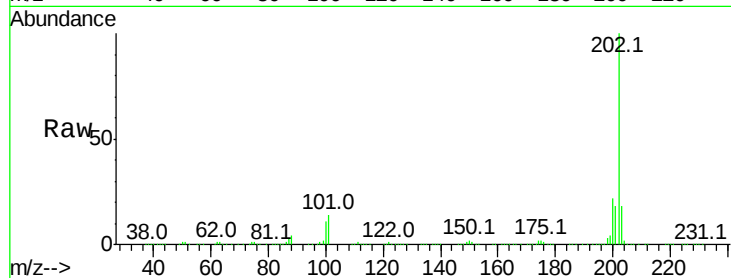
ClientSampled :

LS-SOIL

Tot Ion:	202	Resp:	699404
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 4.435 ng

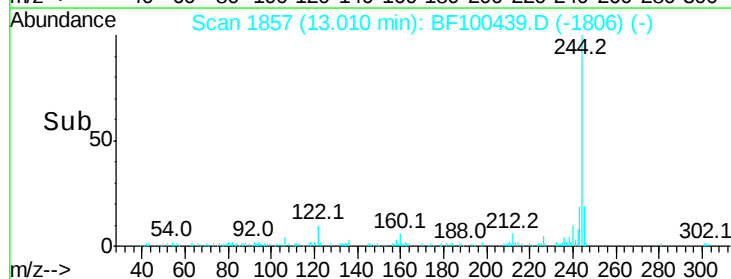
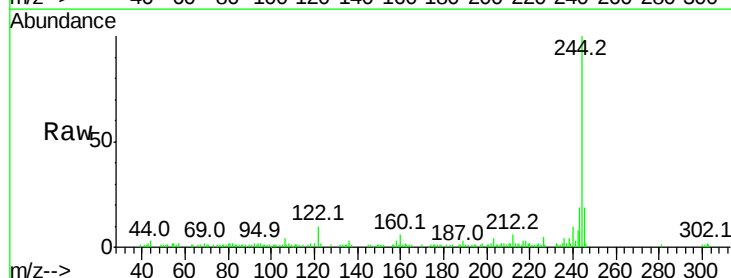
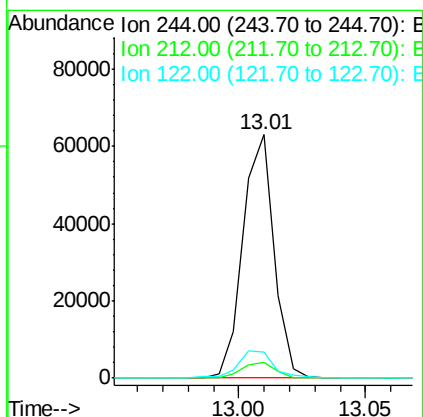
RT: 13.01 min Scan# 1857

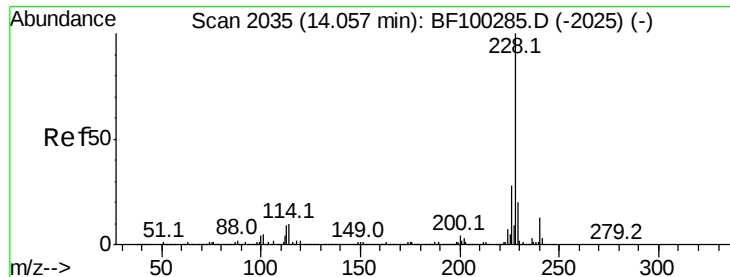
Delta R.T. -0.00 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Tgt Ion:	244	Resp:	53686
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	10.5	11.0	16.4#





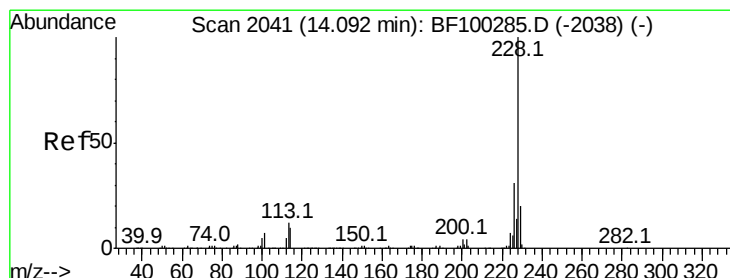
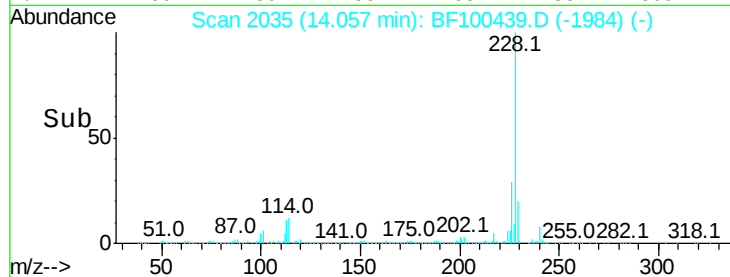
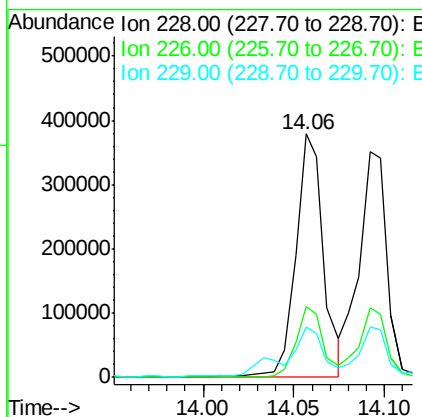
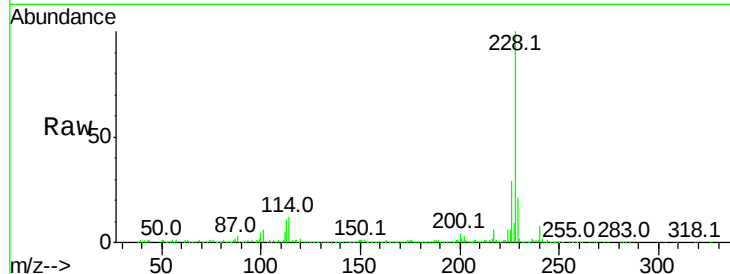
#80
Benzo(a)anthracene
Concen: 24.106 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampled :
LS-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.5	15.8	23.6

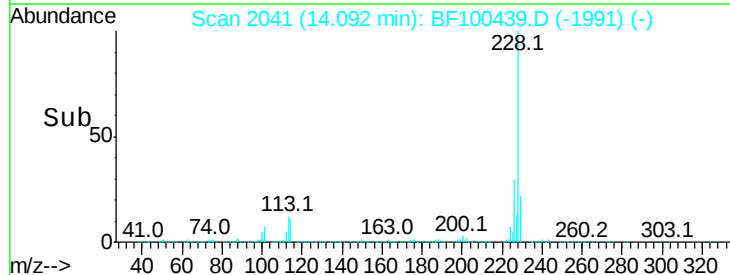
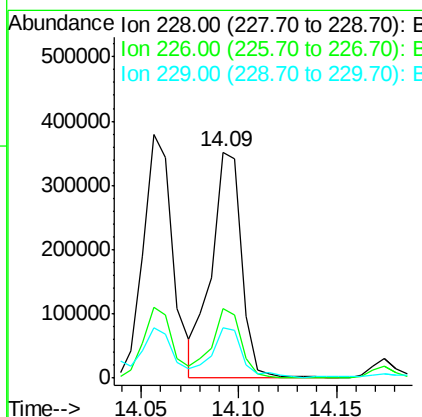
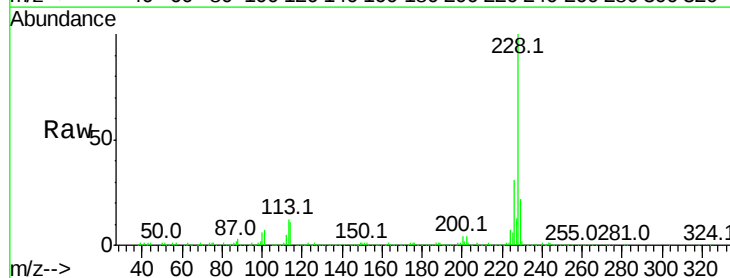
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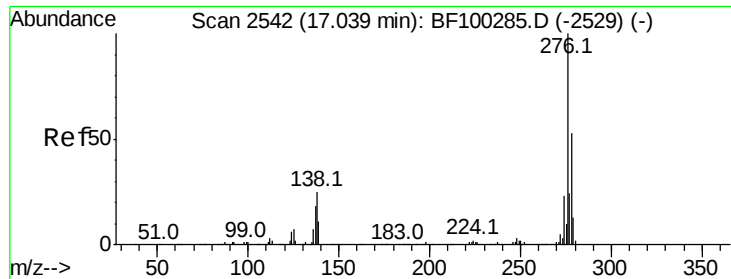
SOHIL
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#82
Chrysene
Concen: 23.224 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.3	16.2	24.4





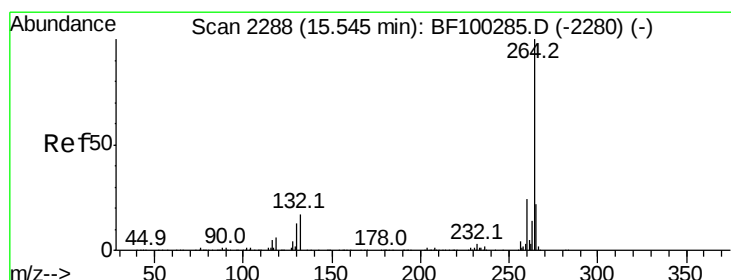
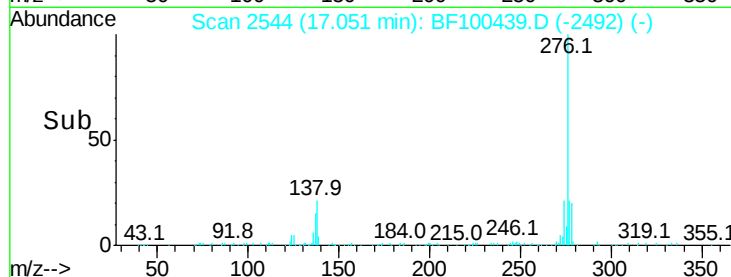
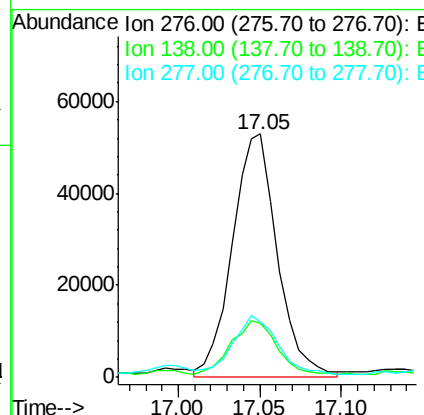
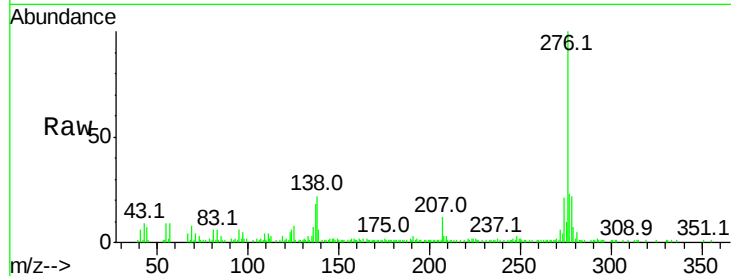
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.842 ng/ml
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.01 min
 Lab File: BF100439.D
 Acq: 11 Nov 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.6	25.0	37.6#
277	5.0	20.1	30.1#

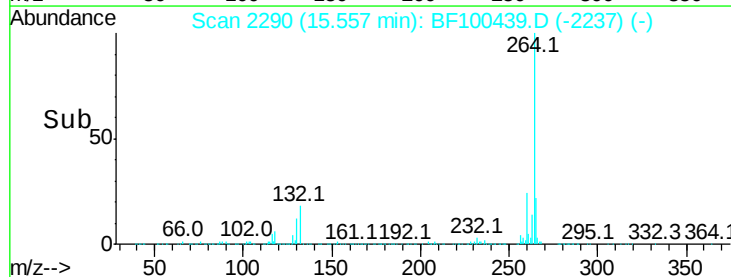
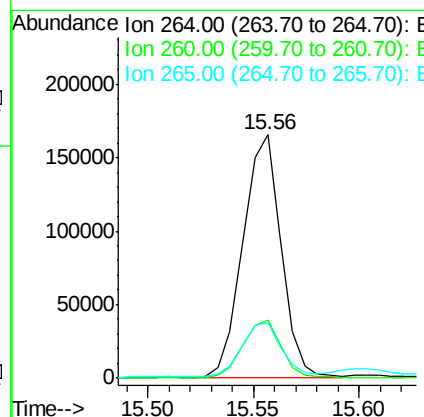
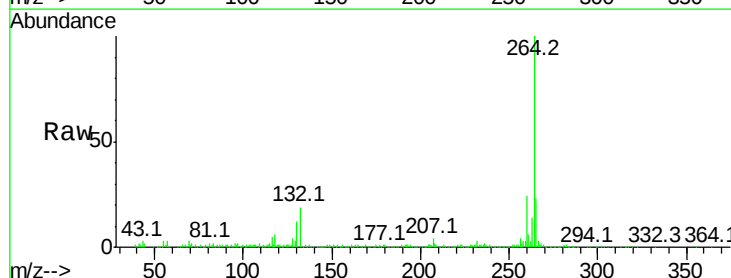
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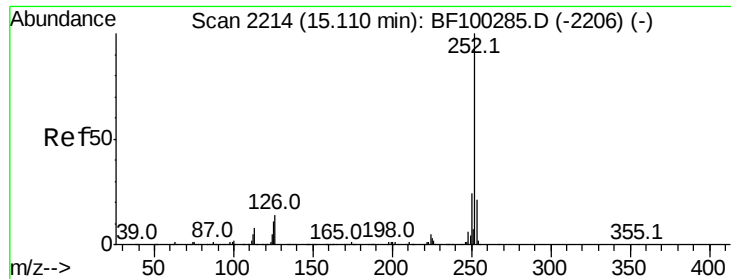
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: BF100439.D
 Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.7	17.5	26.3





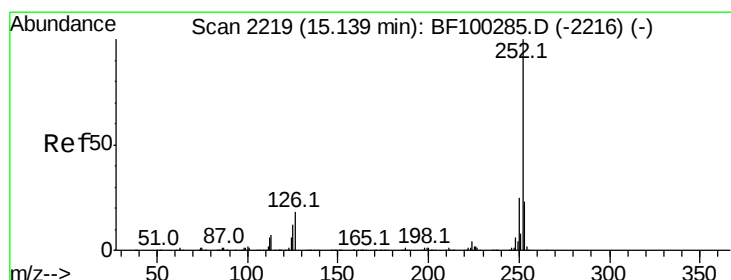
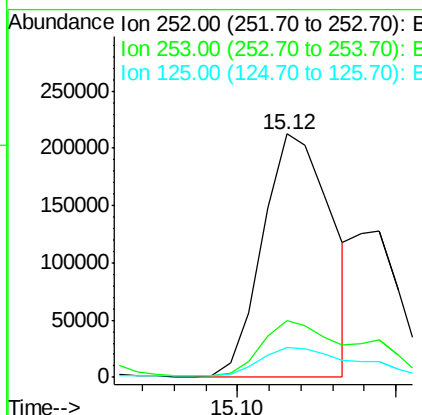
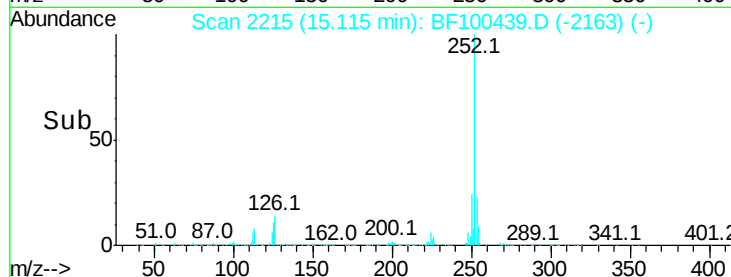
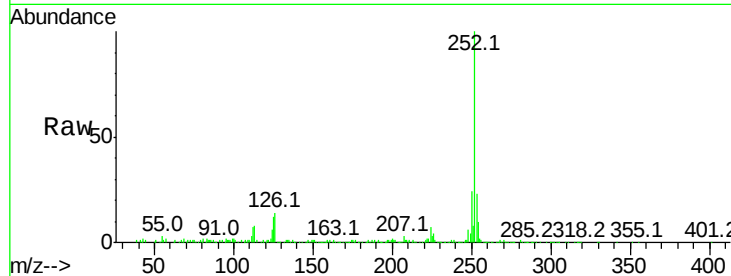
#87
Benzo(b)fluoranthene
Concen: 26.313 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampled :
LS-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.0	9.0	13.6

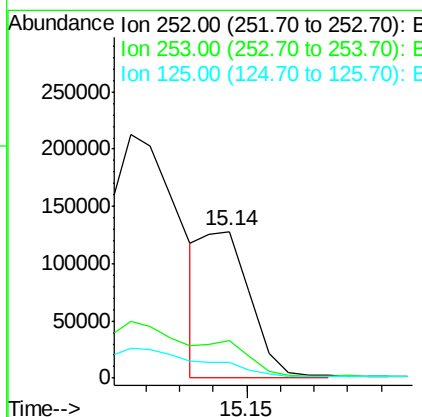
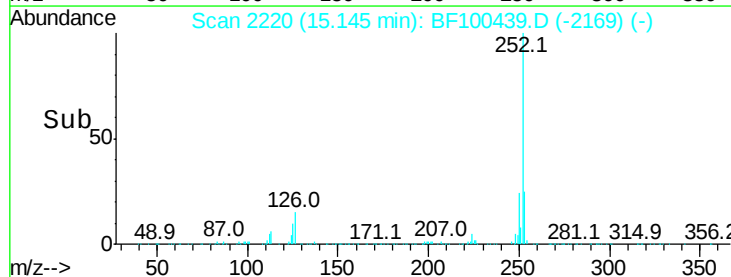
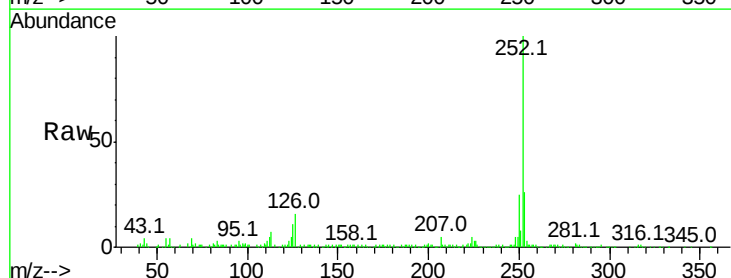
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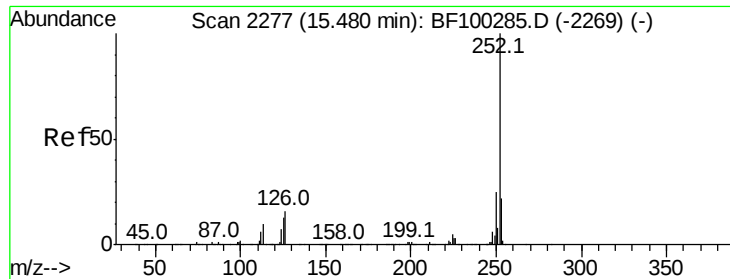
SOHIL
11/13/2017 4:54:20 PM



#88
Benzo(k)fluoranthene
Concen: 11.076 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.00 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	11.0	10.2	15.2





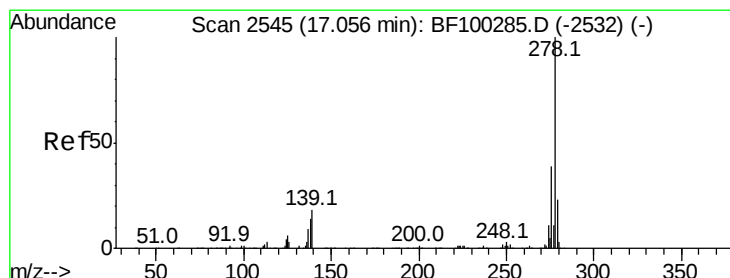
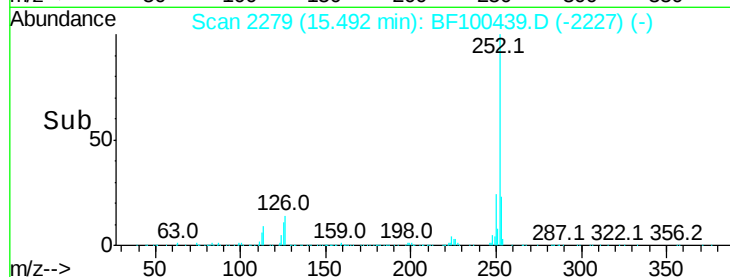
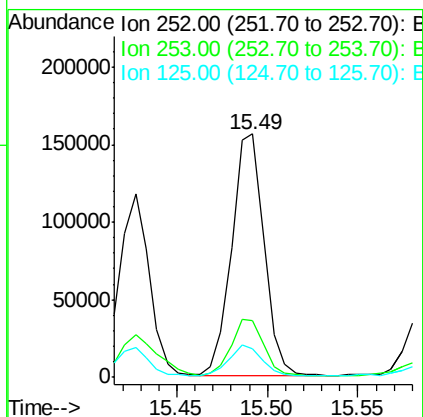
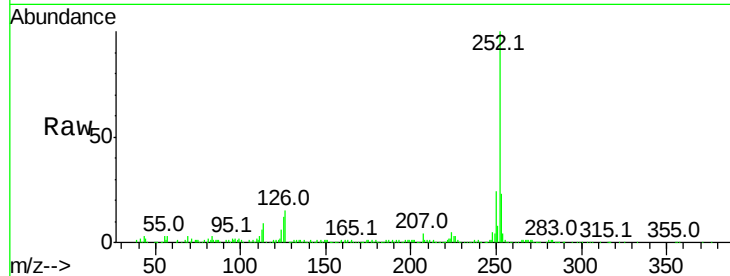
#89
Benzo(a)pyrene
Concen: 17.955 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Instrument :
BNA_F
ClientSampled :
LS-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.7	9.8	14.6

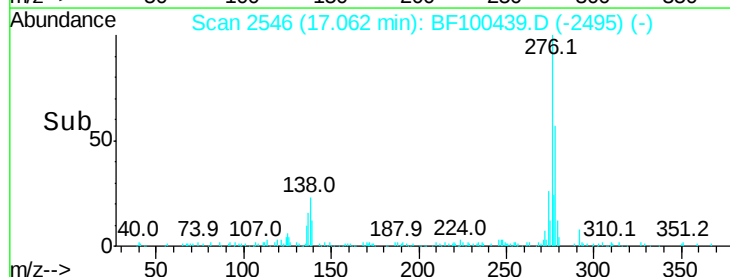
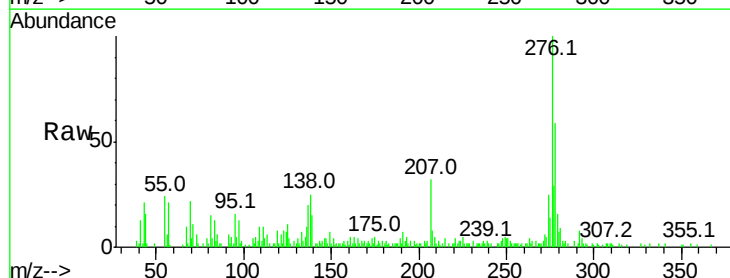
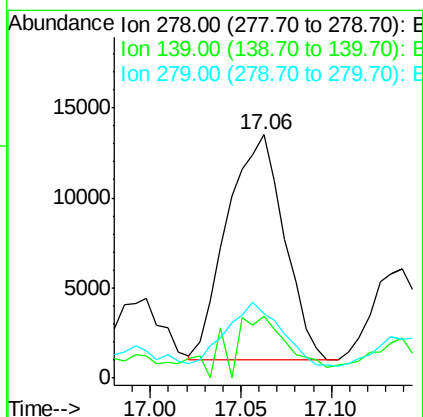
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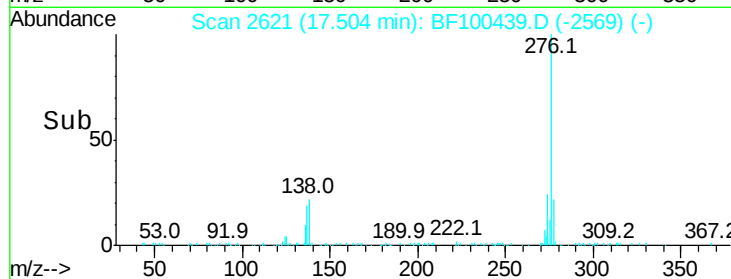
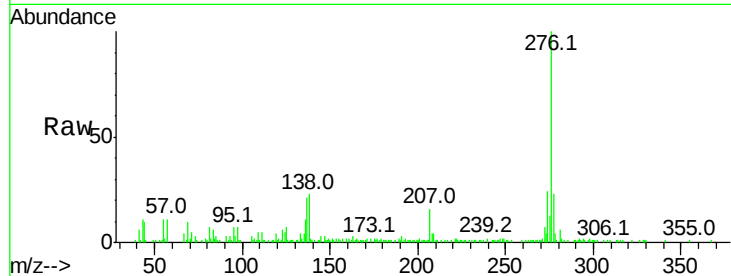
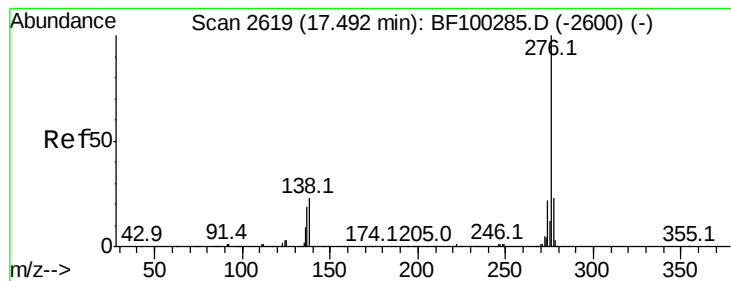
SOHIL
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#90
Dibenzo(a,h)anthracene
Concen: 3.095 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BF100439.D
Acq: 11 Nov 2017 14:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.2	15.9	23.9#
279	26.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 10.163 ng

RT: 17.50 min Scan# 2621

Delta R.T. 0.01 min

Lab File: BF100439.D

Acq: 11 Nov 2017 14:35

Instrument :

BNA_F

ClientSampleId :

LS-SOIL

Tot Ion:	276	Resp:	88180
Ion Ratio	Lower	Upper	
276	100		
277	23.2	17.9	26.9
138	23.0	21.8	32.8

Manual Integrations
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