

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099733.D
 Acq On : 21 Oct 2017 17:44
 Operator : SJ/JU
 Sample : I5895-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Manual Integrations
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Quant Time: Oct 22 01:24:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	121728	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	508675	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	226479	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	355946	20.00	ng	0.00
75) Chrysene-d12	13.99	240	216571	20.00	ng	0.00
86) Perylene-d12	15.45	264	220429	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	37422	4.89	ng	0.00
7) Phenol-d6	6.46	99	47342	5.02	ng	0.00
23) Nitrobenzene-d5	7.38	82	26734	3.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	8814	4.76	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	62380	4.60	ng	-0.01
78) Terphenyl-d14	12.92	244	39352	4.13	ng	0.00
Target Compounds						
51) Acenaphthene	9.88	154	35960	2.537	ng	Qvalue 98
54) Dibenzofuran	10.06	168	43936	2.328	ng	98
57) Fluorene	10.40	166	50389	3.322	ng	99
70) Phenanthrene	11.36	178	587725	30.847	ng	98
71) Anthracene	11.42	178	156693	8.038	ng	99
72) Carbazole	11.57	167	88756	4.649	ng	97
74) Fluoranthene	12.56	202	679109	35.200	ng	98
77) Pyrene	12.79	202	561228	33.984	ng	99
80) Benzo(a)anthracene	13.97	228	290251	22.133	ng	99
82) Chrysene	14.01	228	243872	19.533	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	111292	11.143	ng	99
87) Benzo(b)fluoranthene	15.03	252	324644m	23.954	ng	
88) Benzo(k)fluoranthene	15.05	252	127029m	9.490	ng	
89) Benzo(a)pyrene	15.39	252	225314	18.111	ng	# 94
90) Dibenzo(a,h)anthracene	16.92	278	31865	3.201	ng	# 84
91) Benzo(g,h,i)perylene	17.37	276	94259	9.578	ng	91

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

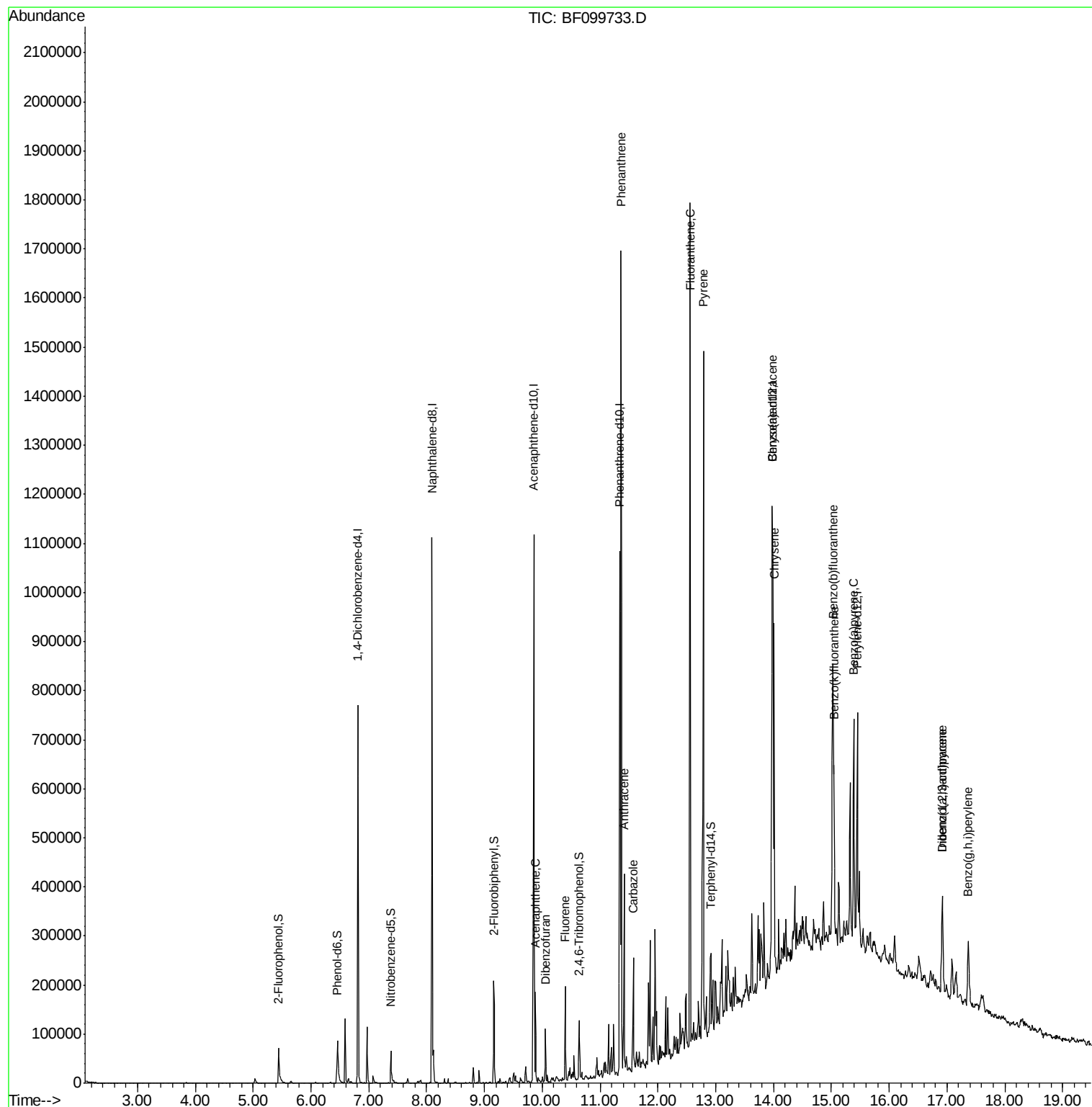
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
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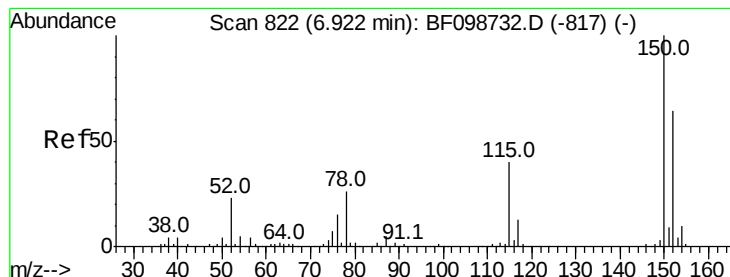
Instrument :
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#1

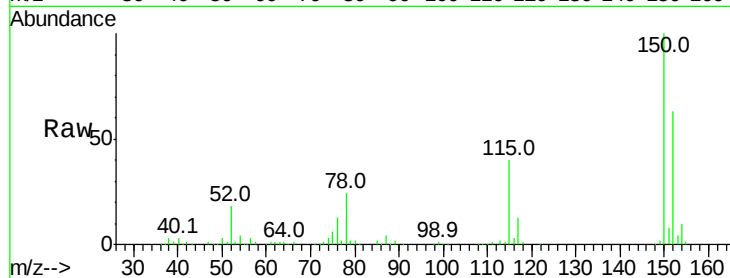
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
ClientSampled :
SOIL-PILE

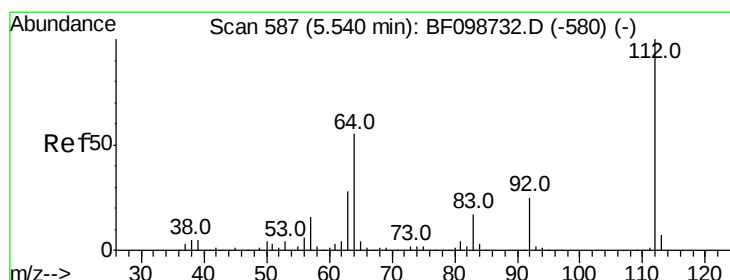
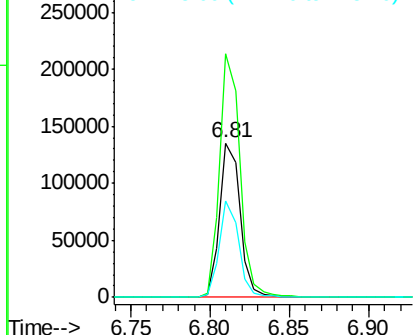
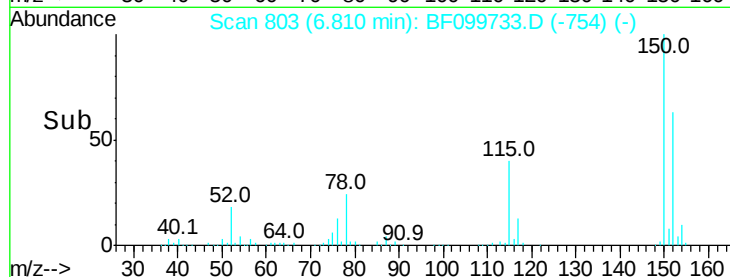
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.6	50.1	75.1

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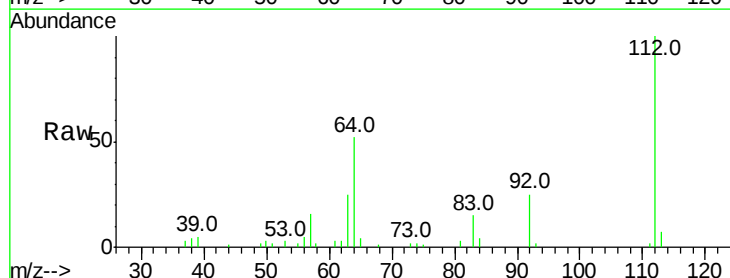
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



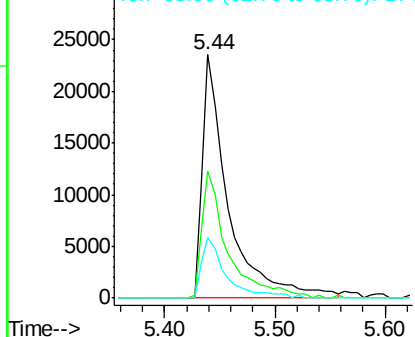
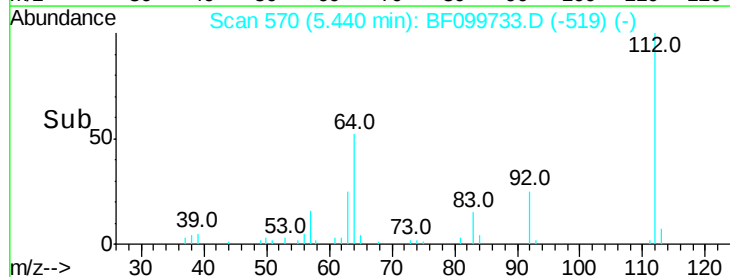
#5

2-Fluorophenol
Concen: 4.894 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	47.9	71.9
63	24.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.019 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Instrument :

BNA_F

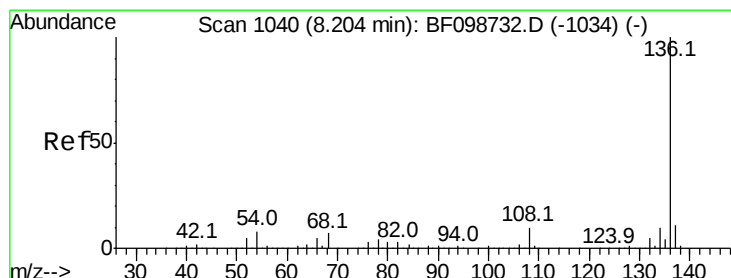
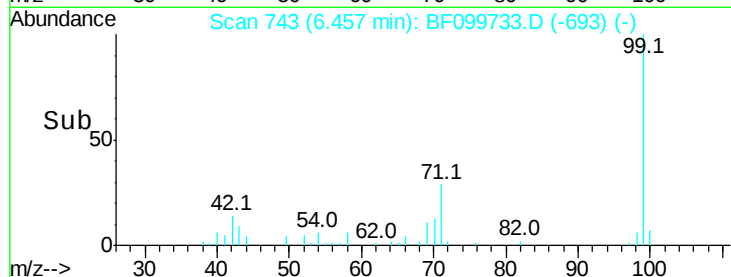
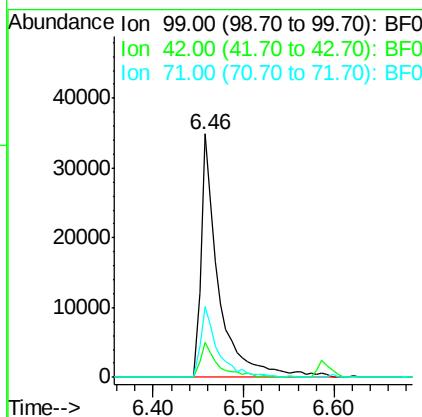
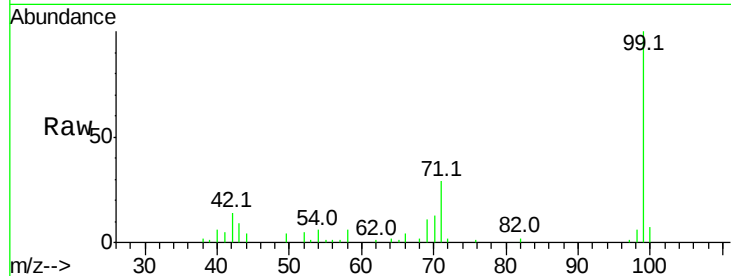
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		47342		
42	14.4	14.5	21.7#		
71	29.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

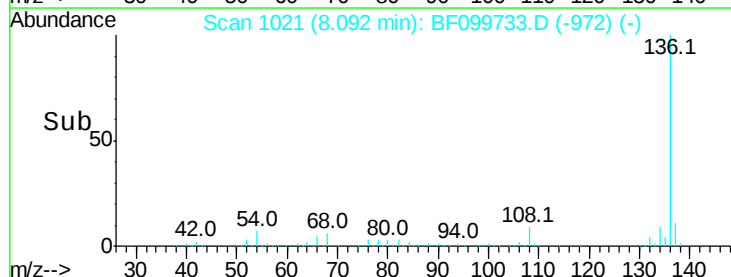
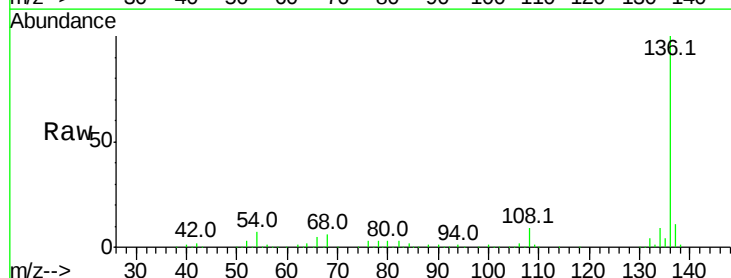
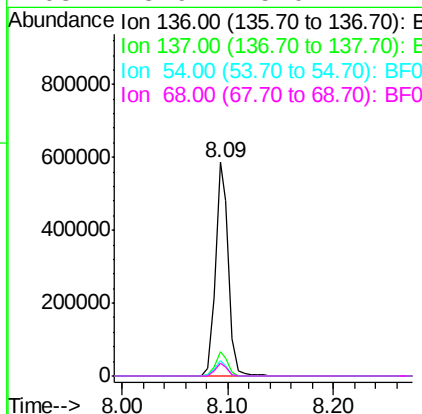
RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		508675		
137	11.3	8.9	13.3		
54	7.0	6.6	9.8		
68	5.9	5.0	7.4		





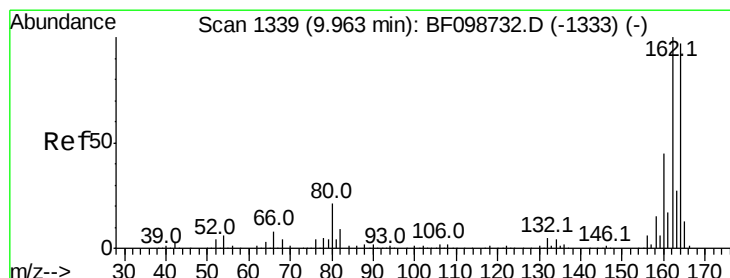
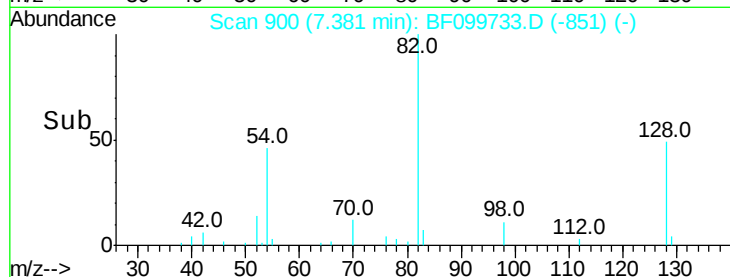
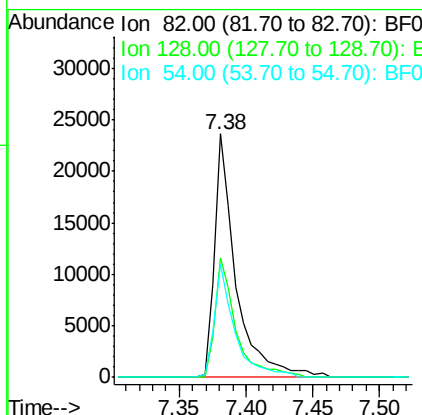
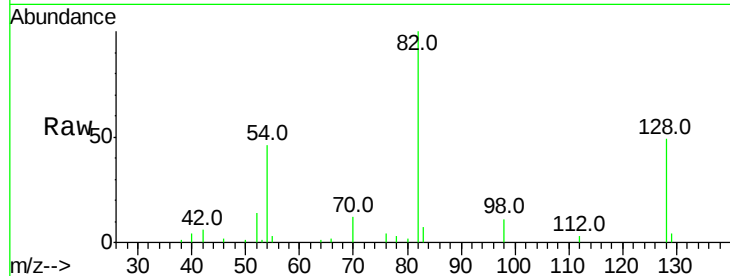
#23
Nitrobenzene-d5
Concen: 3.370 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	46.2	41.4	62.2

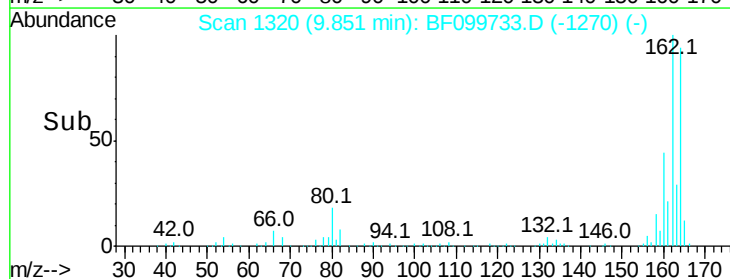
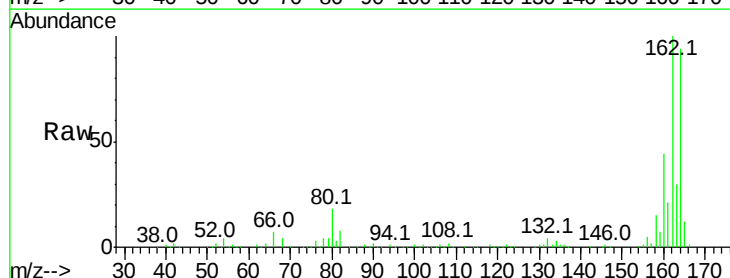
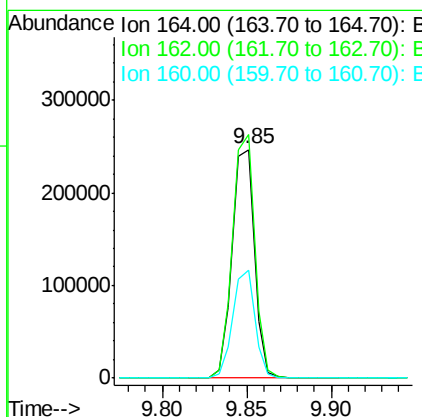
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	47.2	38.3	57.5





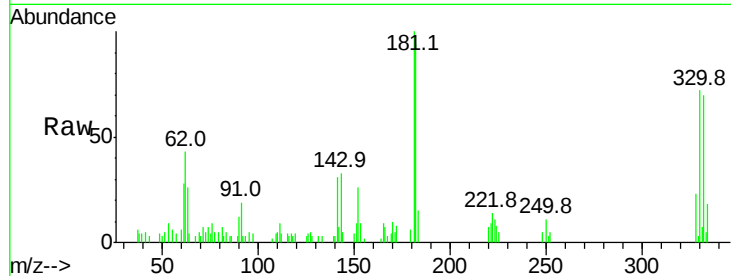
#41
 2,4,6-Tribromophenol
 Concen: 4.756 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099733.D
 Acq: 21 Oct 2017 17:44

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

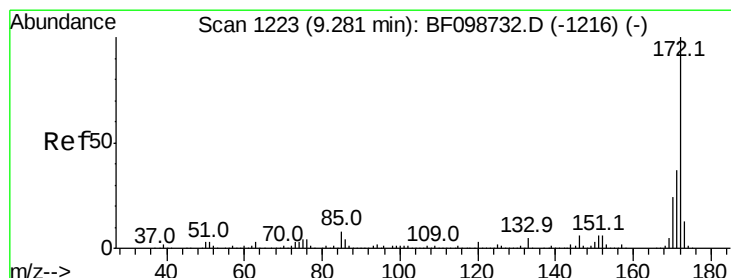
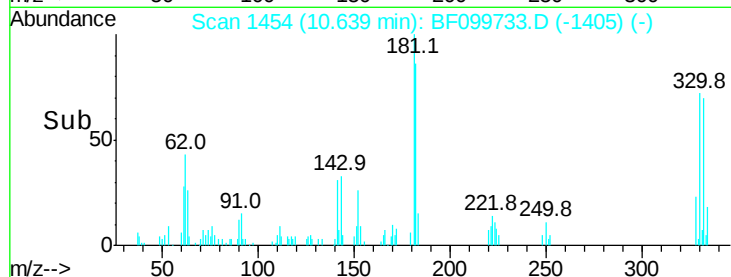
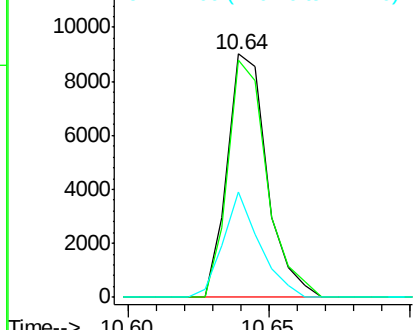
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	40.1	29.9	44.9

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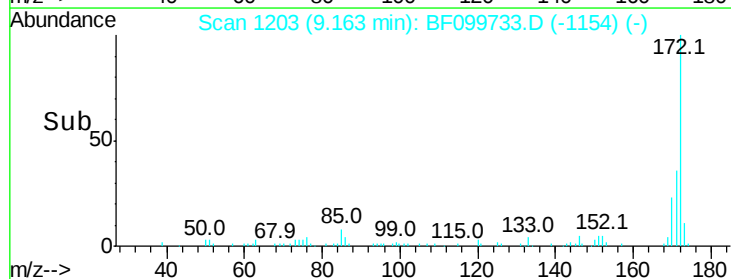
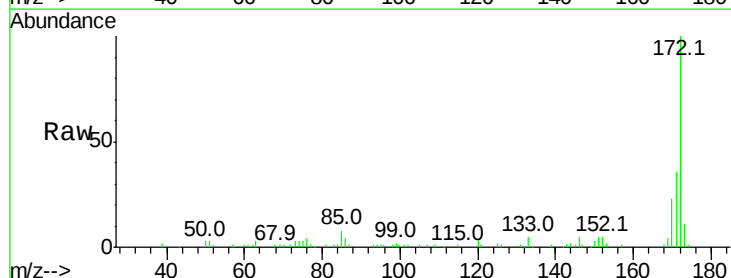
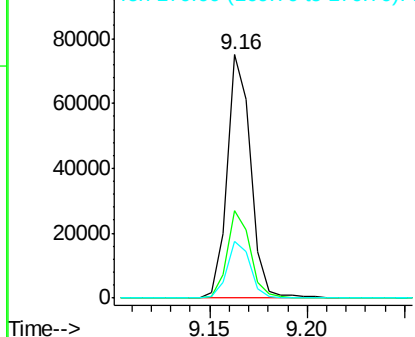
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

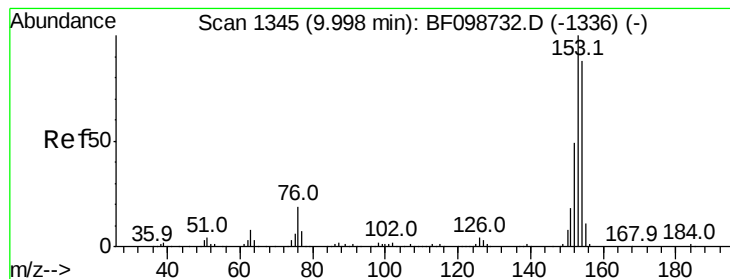


#44
 2-Fluorobiphenyl
 Concen: 4.598 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099733.D
 Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.1	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





#51

Acenaphthene

Concen: 2.537 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Instrument :

BNA_F

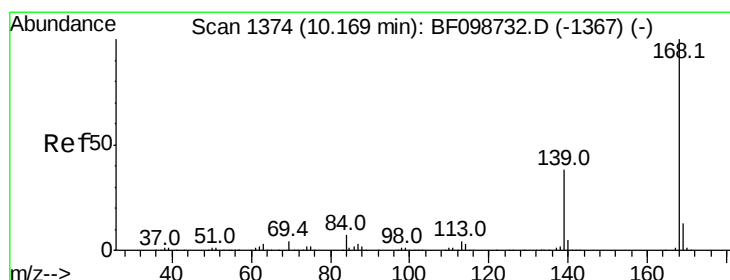
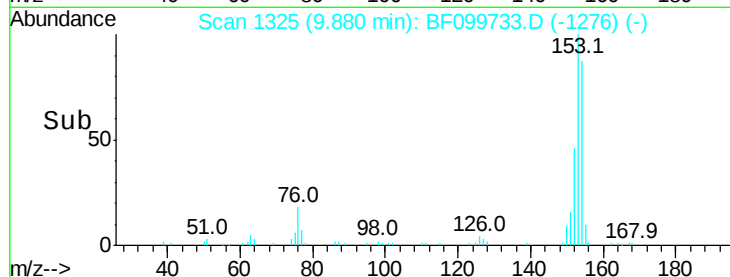
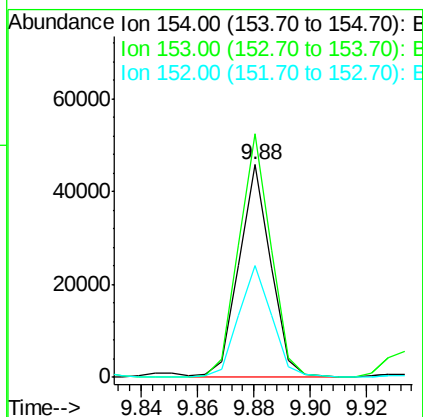
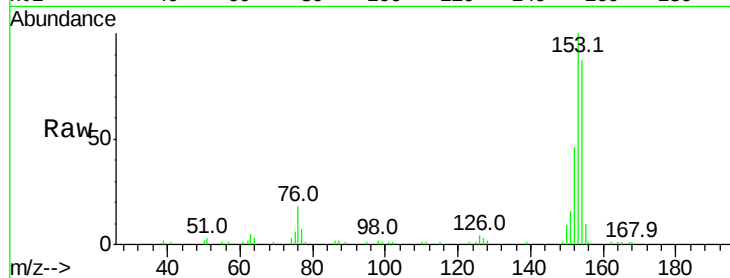
ClientSampleId :

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Tot Ion:	154	Resp:	35960
Ion Ratio	Lower	Upper	
154	100		
153	114.7	91.2	136.8
152	52.4	43.8	65.8

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#54

Dibenzofuran

Concen: 2.328 ng

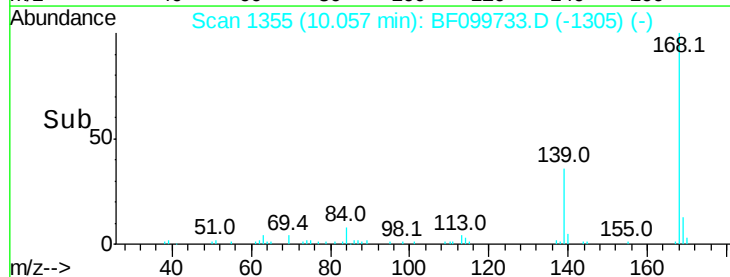
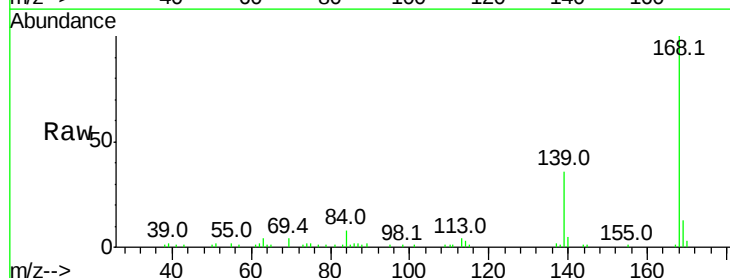
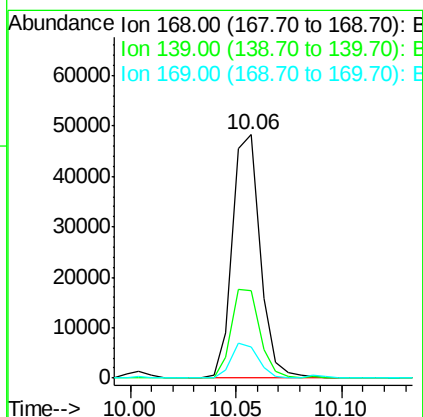
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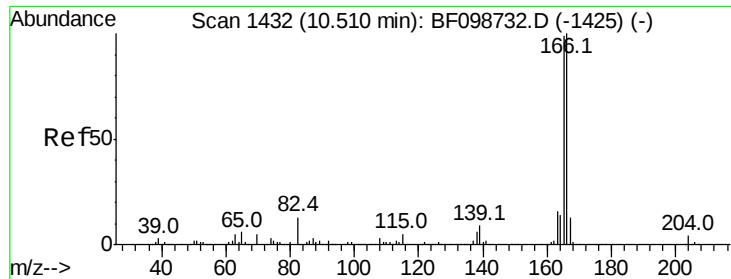
Delta R.T. -0.01 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Tgt Ion:	168	Resp:	43936
Ion Ratio	Lower	Upper	
168	100		
139	36.0	30.1	45.1
169	13.0	10.9	16.3





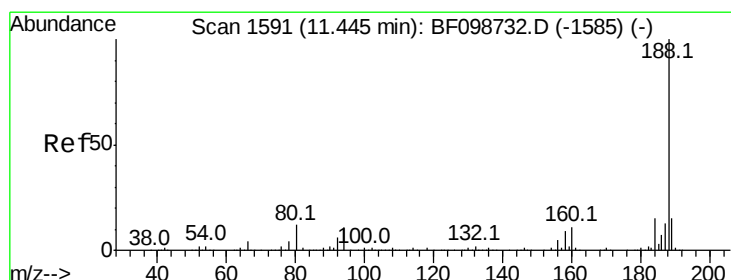
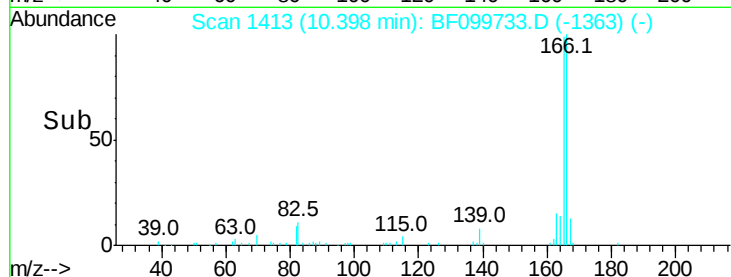
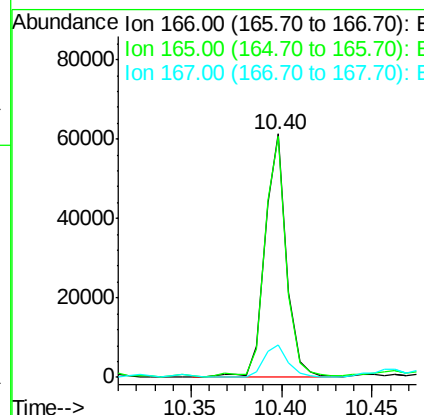
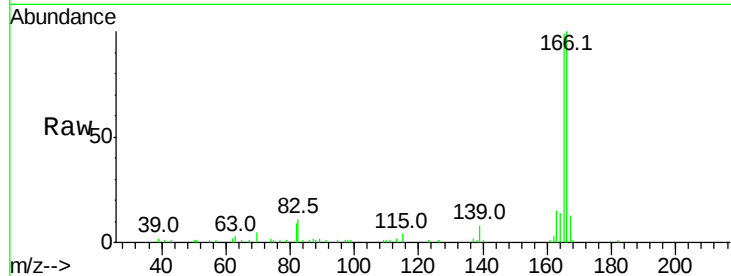
#57
Fluorene
 Concen: 3.322 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF099733.D
 Acq: 21 Oct 2017 17:44

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Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	13.2	10.6	16.0

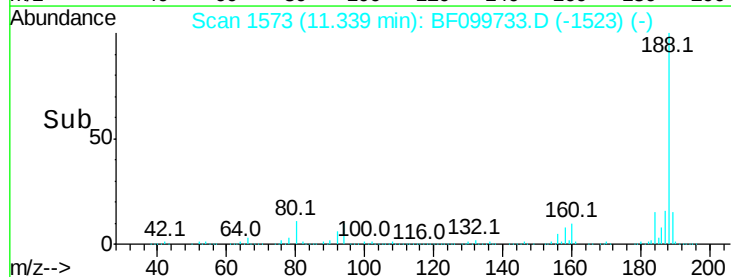
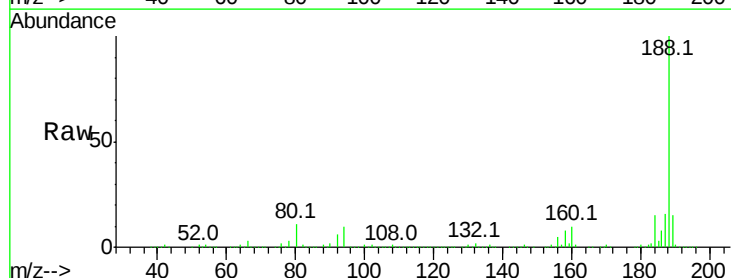
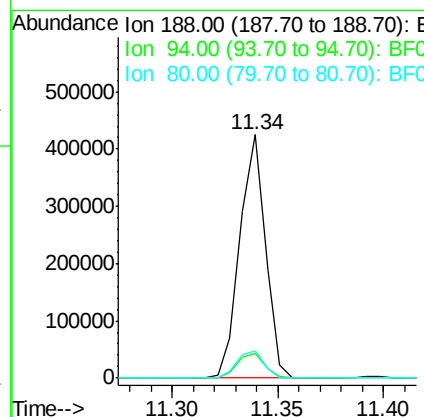
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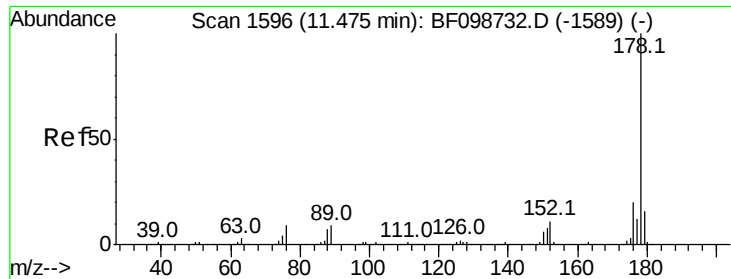
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF099733.D
 Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.1	9.2	13.8





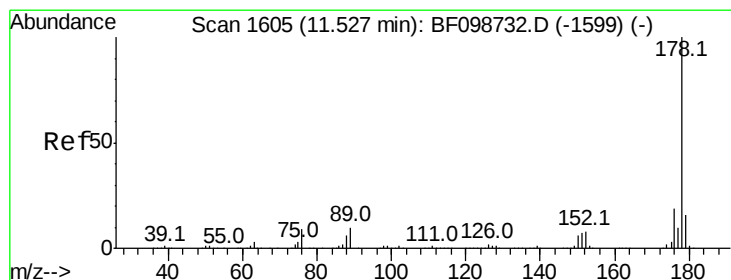
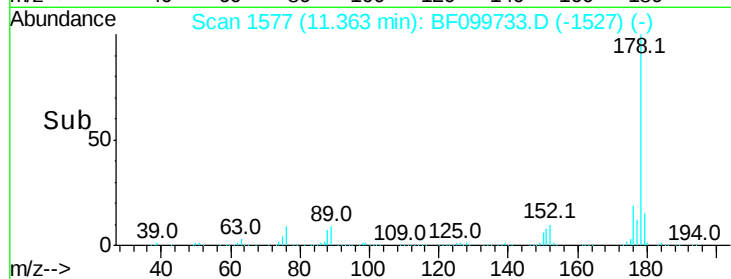
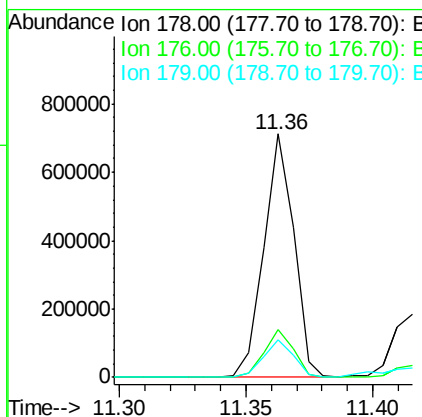
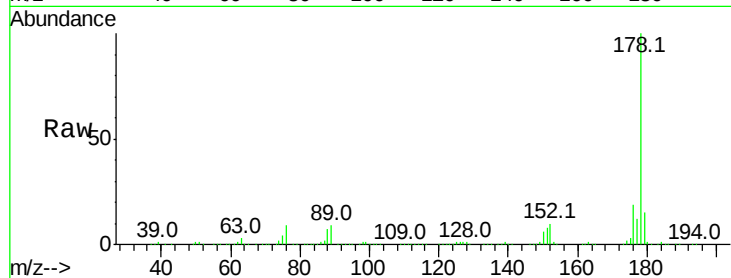
#70
Phenanthrene
Concen: 30.847 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
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SOIL-PILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6

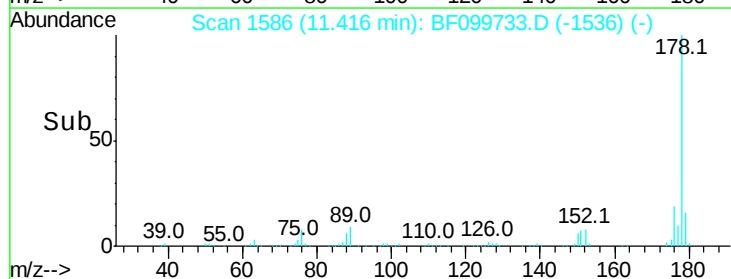
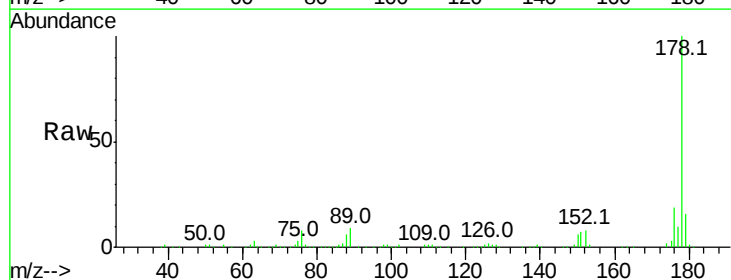
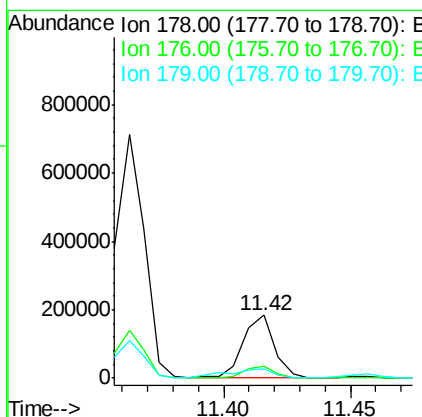
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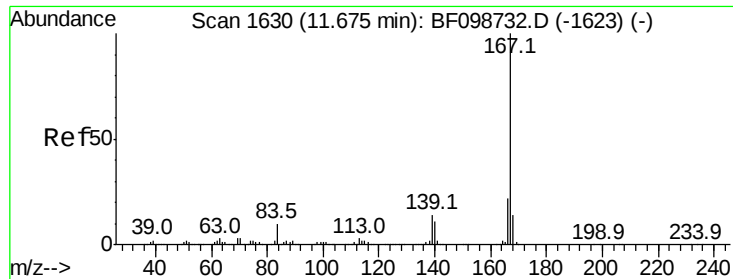
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#71
Anthracene
Concen: 8.038 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 4.649 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Instrument :

BNA_F

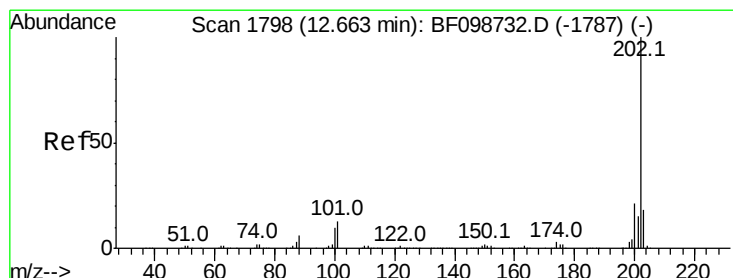
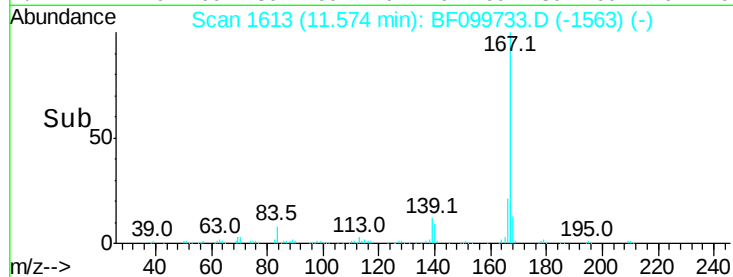
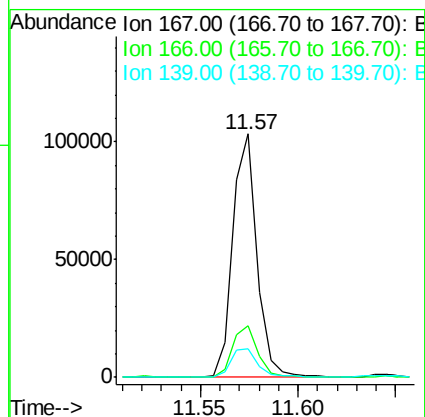
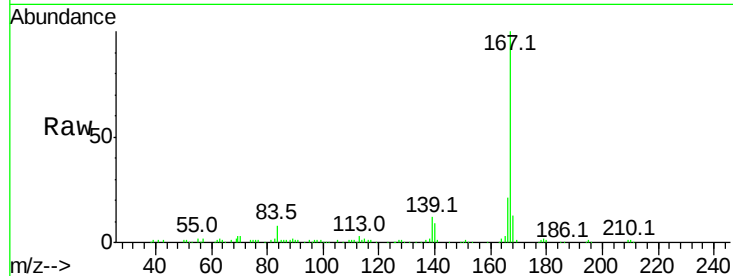
ClientSampleId :

SOIL-PILE

Tot Ion:	167	Resp:	88756
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.6	26.4
139	12.0	10.9	16.3

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#74

Fluoranthene

Concen: 35.200 ng

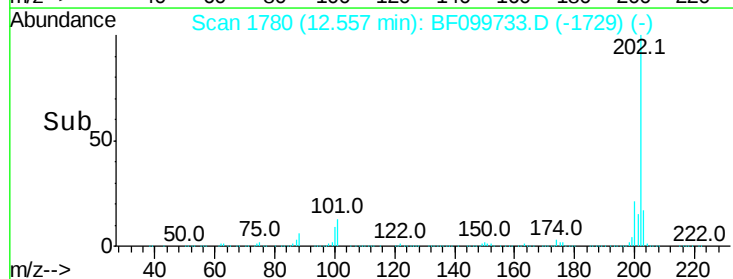
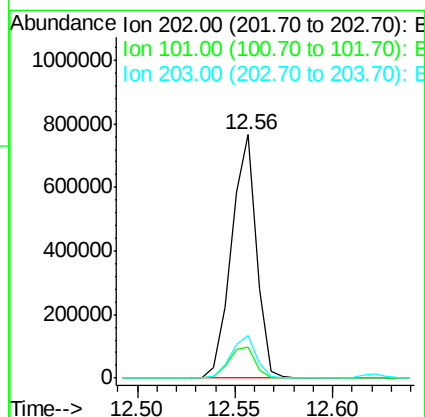
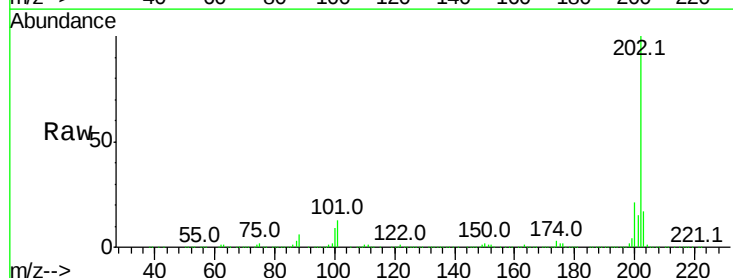
RT: 12.56 min Scan# 1780

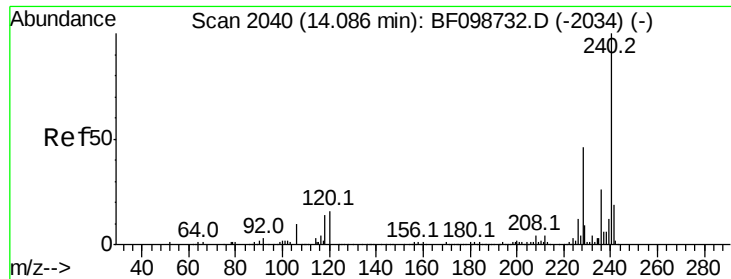
Delta R.T. -0.00 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Tgt Ion:	202	Resp:	679109
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Instrument :

BNA_F

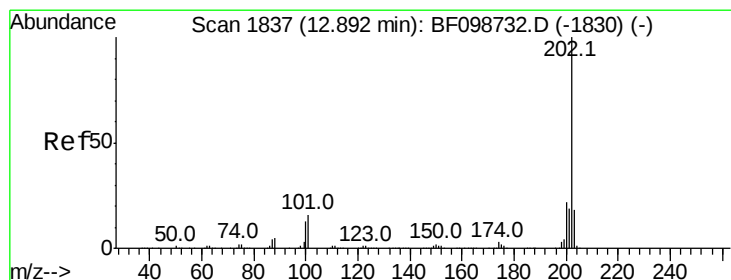
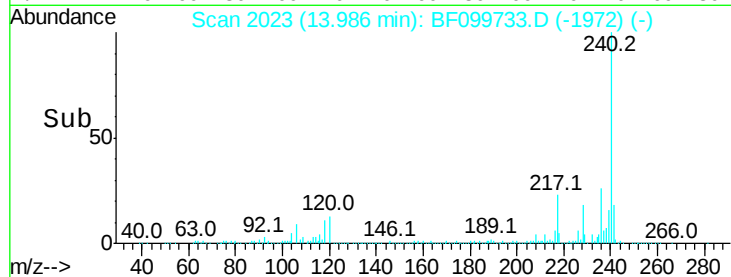
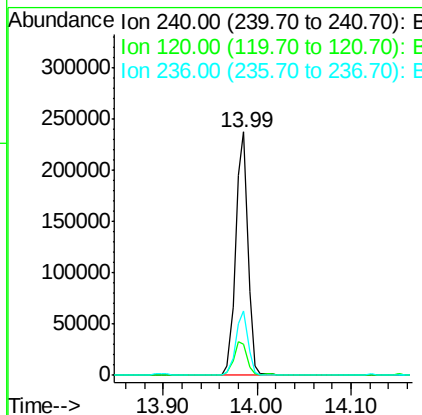
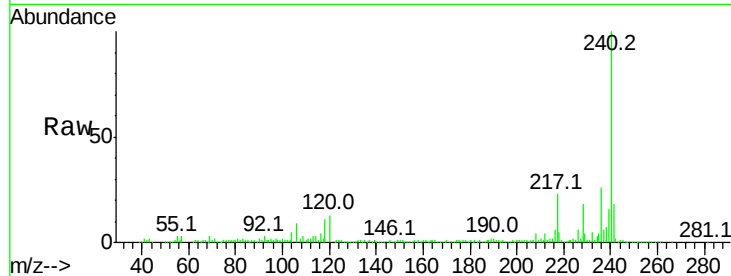
ClientSampleId :

SOIL-PILE

Tot Ion:	240	Resp:	216571
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	26.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 33.984 ng

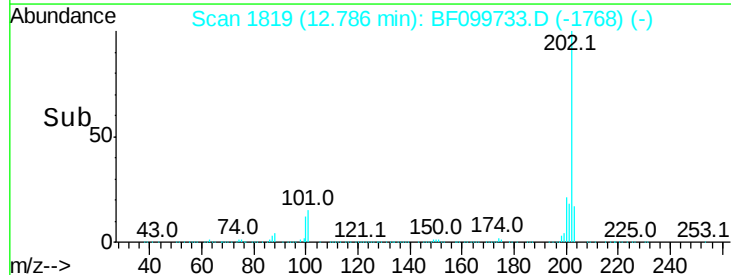
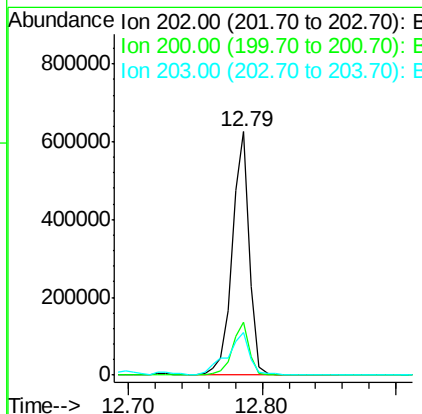
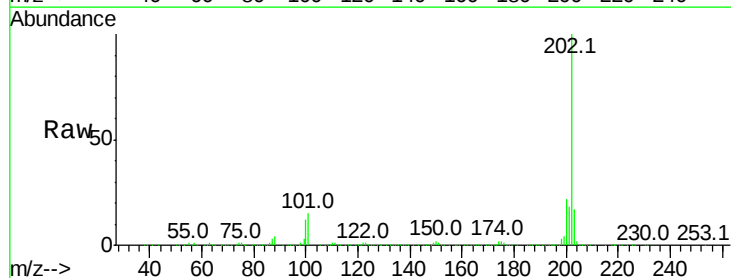
RT: 12.79 min Scan# 1819

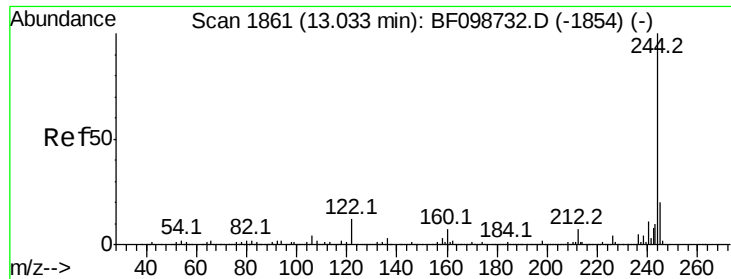
Delta R.T. -0.00 min

Lab File: BF099733.D

Acq: 21 Oct 2017 17:44

Tgt Ion:	202	Resp:	561228
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5





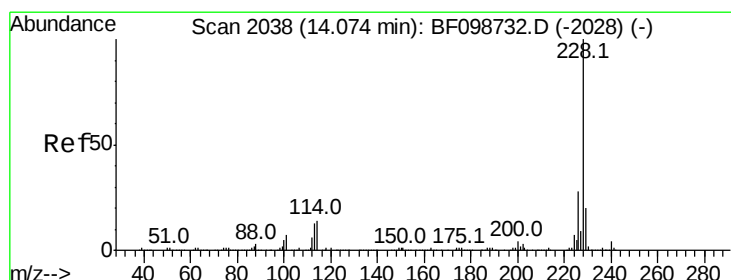
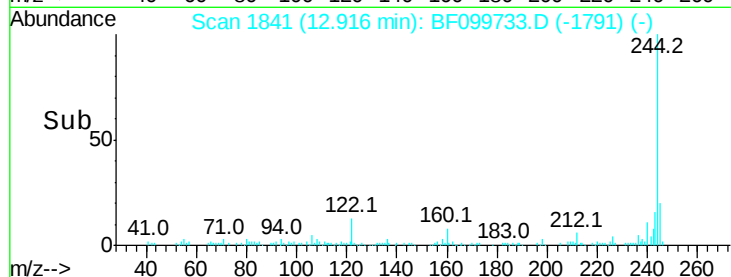
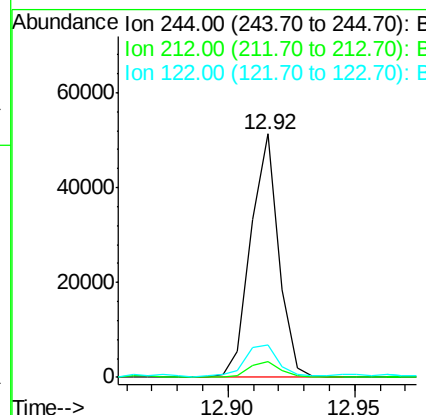
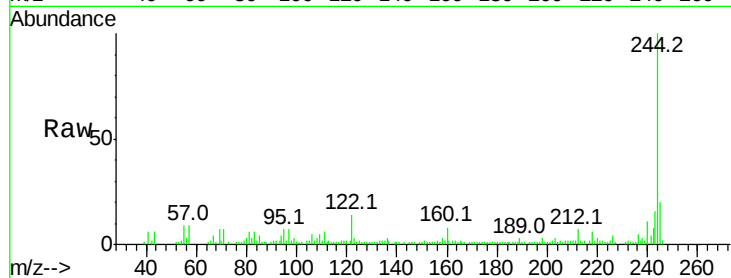
#78
 Terphenyl-d14
 Concen: 4.132 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099733.D
 Acq: 21 Oct 2017 17:44

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.6	11.0	16.4

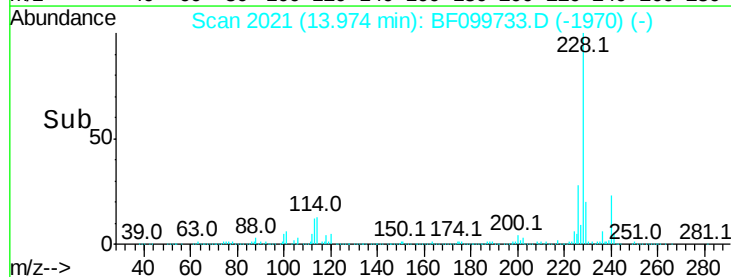
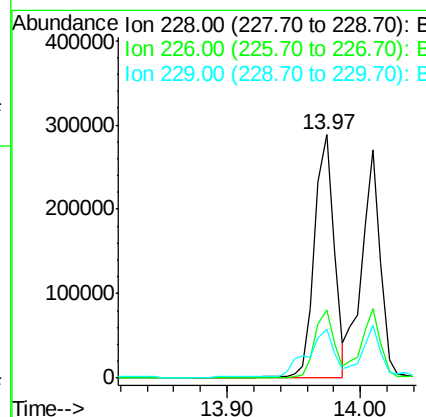
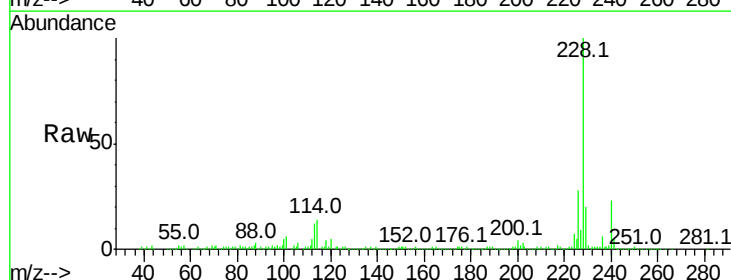
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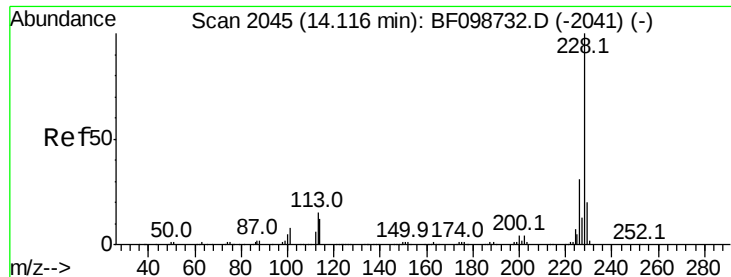
Sohil
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#80
 Benzo(a)anthracene
 Concen: 22.133 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF099733.D
 Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.2	15.8	23.6





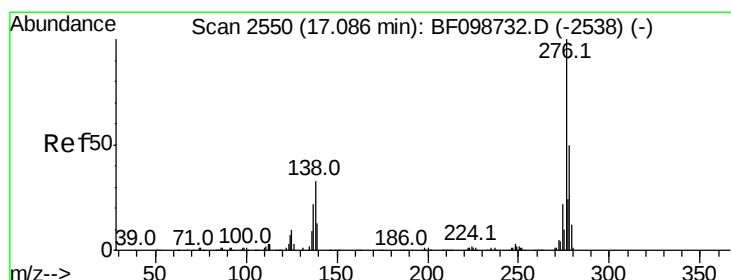
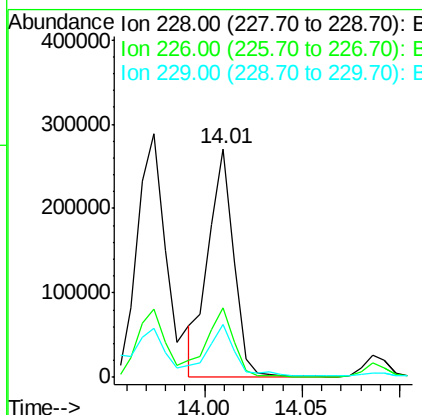
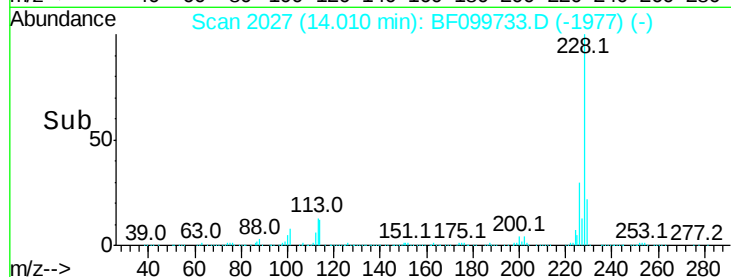
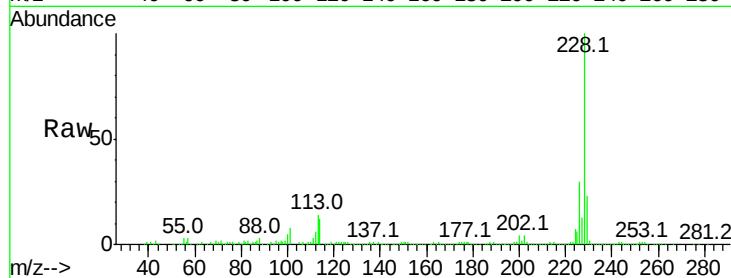
#82
Chrysene
Concen: 19.533 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:	228	Resp:	243872
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	23.1	16.2	24.4

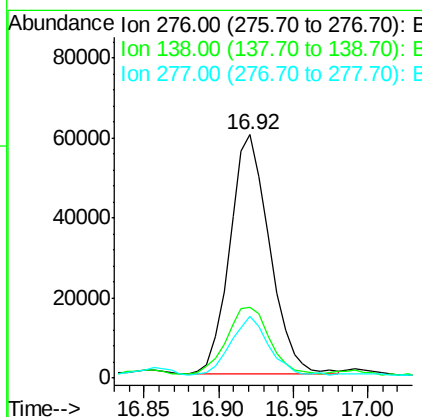
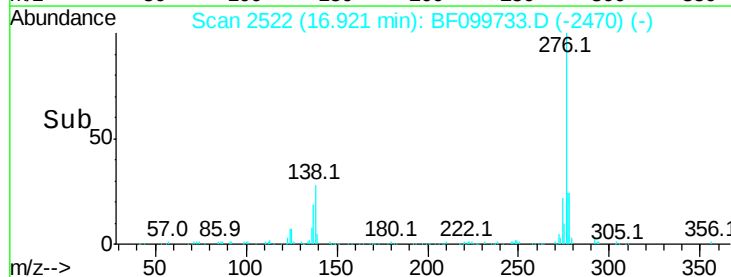
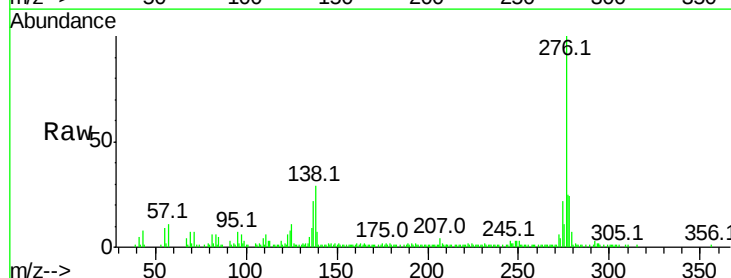
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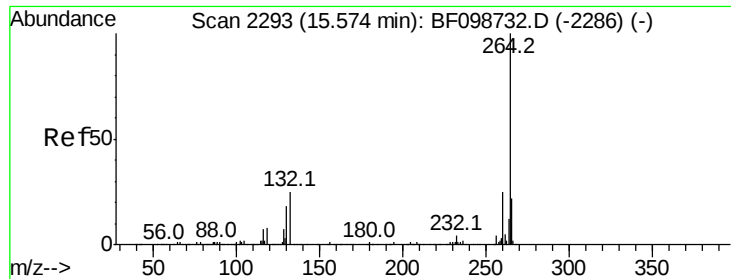
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.143 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion:	276	Resp:	111292
Ion Ratio	Lower	Upper	
276	100		
138	31.3	25.0	37.6
277	23.4	20.1	30.1





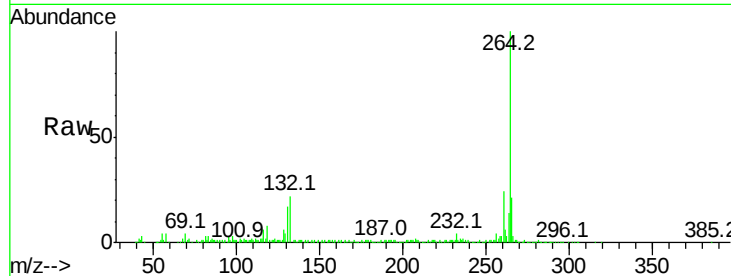
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
ClientSampled :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

Manual Integrations
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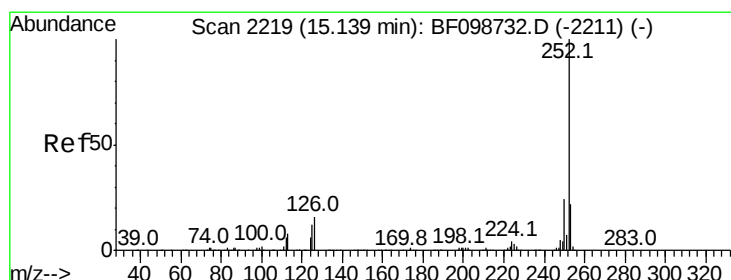
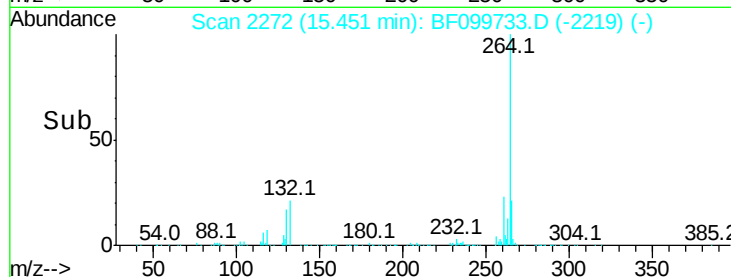
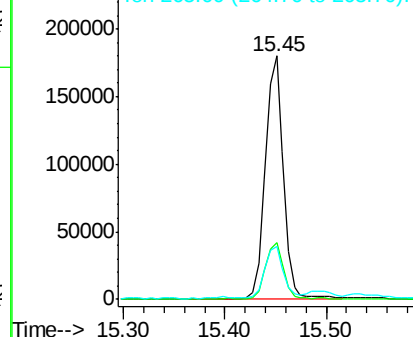


Abundance

Ion 264.00 (263.70 to 264.70): E

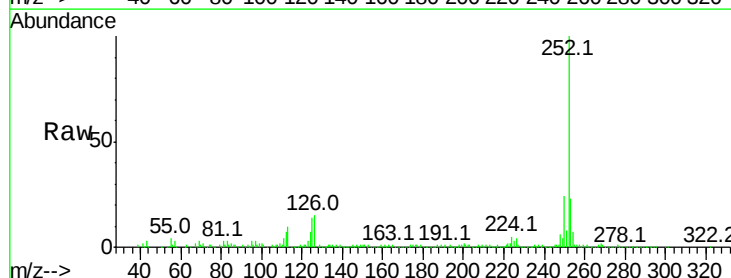
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 23.954 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.3	9.0	13.6#

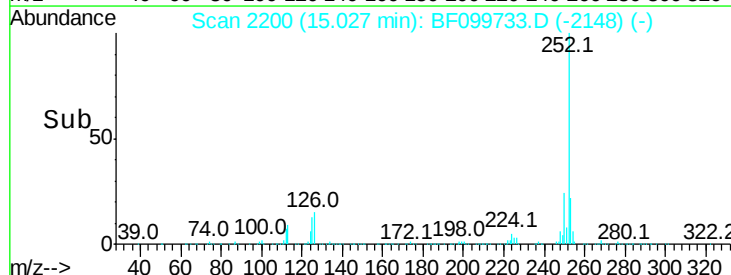
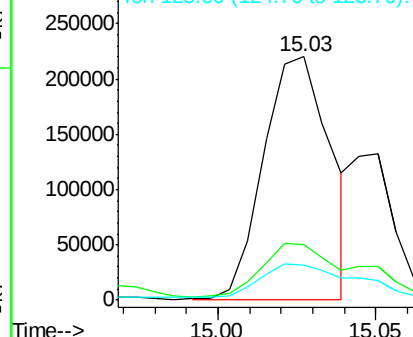


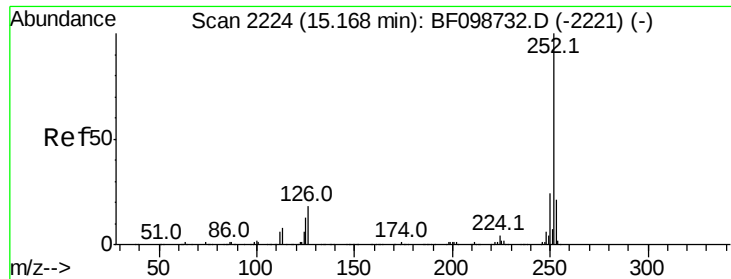
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





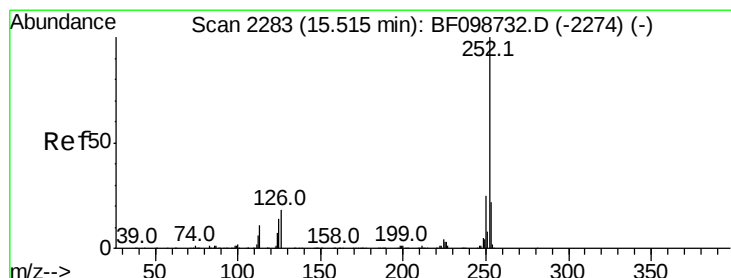
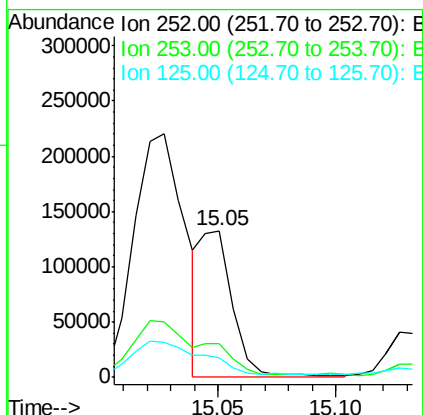
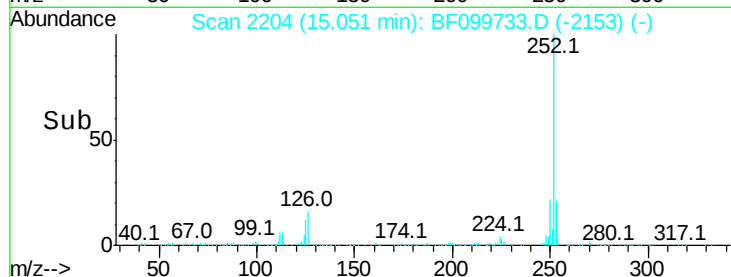
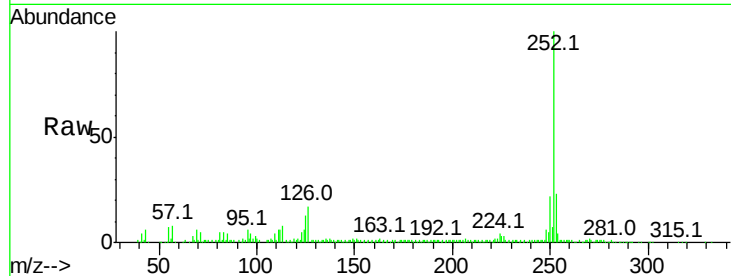
#88
Benzo(k)fluoranthene
Concen: 9.490 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.4	10.2	15.2

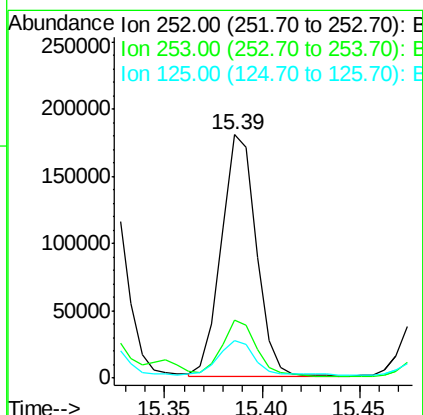
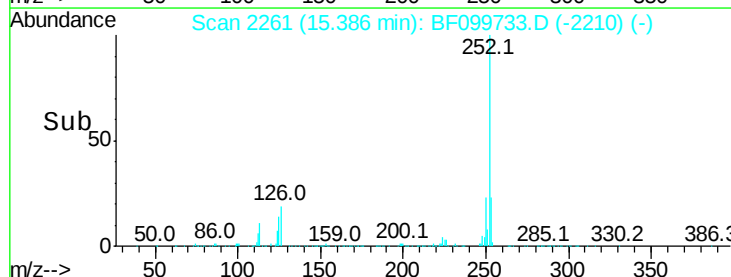
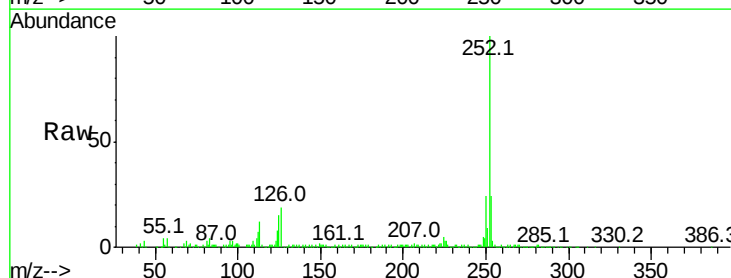
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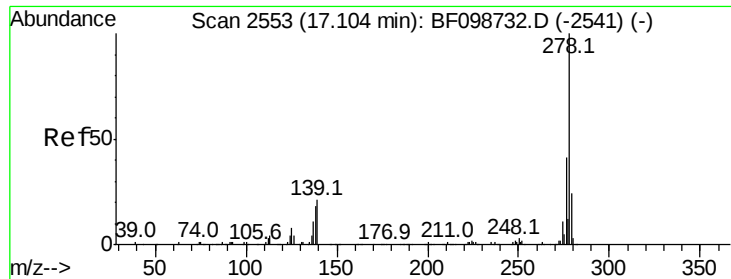
Sohil
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#89
Benzo(a)pyrene
Concen: 18.111 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	15.3	9.8	14.6





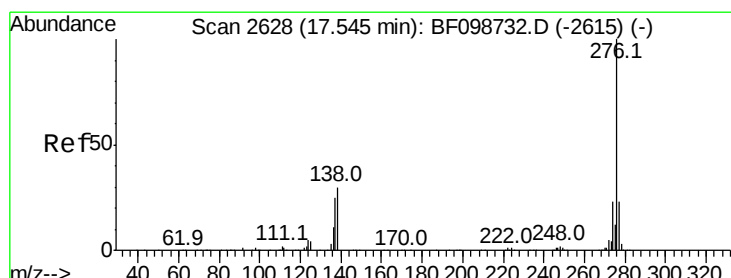
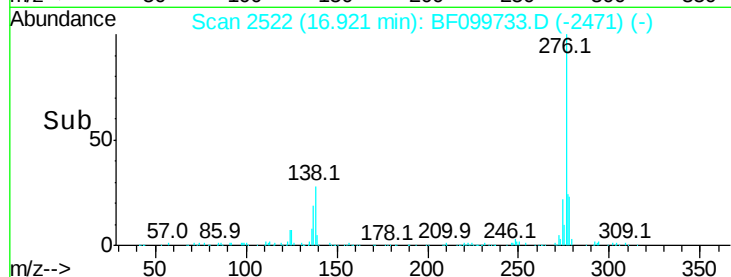
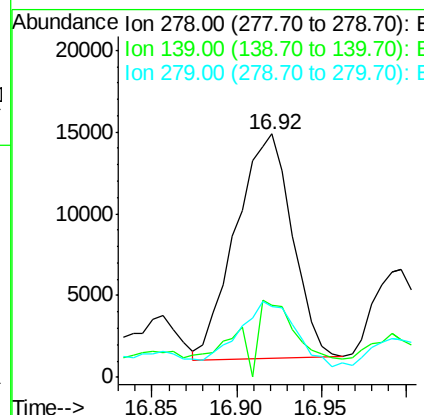
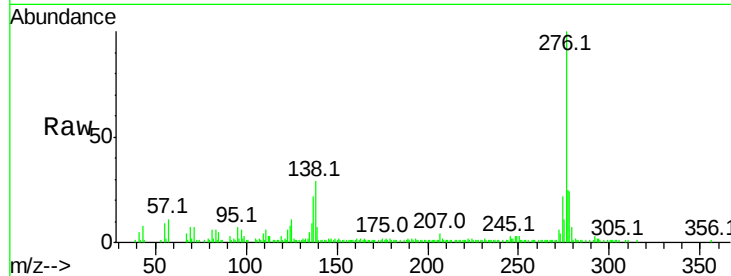
#90
Dibenzo(a,h)anthracene
Concen: 3.201 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.7	15.9	23.9#
279	29.1	19.0	28.4#

Manual Integrations
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10/23/2017 3:31:27 PM



#91
Benzo(g,h,i)perylene
Concen: 9.578 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.01 min
Lab File: BF099733.D
Acq: 21 Oct 2017 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	32.3	21.8	32.8

