

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\
 Data File : BF100220.D
 Acq On : 5 Nov 2017 13:37
 Operator : SJ/JU
 Sample : I6275-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PILE

Manual Integrations
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Sohil
 11/6/2017 2:33:21 PM

Quant Time: Nov 06 10:21:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	96395	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	391740	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	174172	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	278064	20.00	ng	0.00
75) Chrysene-d12	13.94	240	155832	20.00	ng	-0.01
86) Perylene-d12	15.40	264	176427	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	758607	123.55	ng	0.00
7) Phenol-d6	6.42	99	1114599	153.10	ng	0.00
23) Nitrobenzene-d5	7.34	82	665605	109.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	105077	66.20	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	1254087	111.09	ng	0.00
78) Terphenyl-d14	12.87	244	860813	120.72	ng	0.00
Target Compounds						
10) Phenol	6.43	94	18221	2.280	ng	Qvalue # 70
49) Dimethylphthalate	9.52	163	105659	7.660	ng	99
70) Phenanthrene	11.32	178	401435	25.581	ng	99
71) Anthracene	11.37	178	88257	5.541	ng	97
74) Fluoranthene	12.51	202	434655	26.653	ng	96
77) Pyrene	12.74	202	555067	46.844	ng	99
80) Benzo(a)anthracene	13.93	228	205489	20.801	ng	97
82) Chrysene	13.97	228	202578	21.812	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	85965	10.083	ng	92
87) Benzo(b)fluoranthene	14.98	252	175985m	15.797	ng	
88) Benzo(k)fluoranthene	15.01	252	67993m	6.472	ng	
89) Benzo(a)pyrene	15.34	252	158018	15.790	ng	# 94
90) Dibenzo(a,h)anthracene	16.87	278	37989	4.272	ng	# 76
91) Benzo(a,h,i)perylene	17.32	276	77757	8.938	ng	92

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

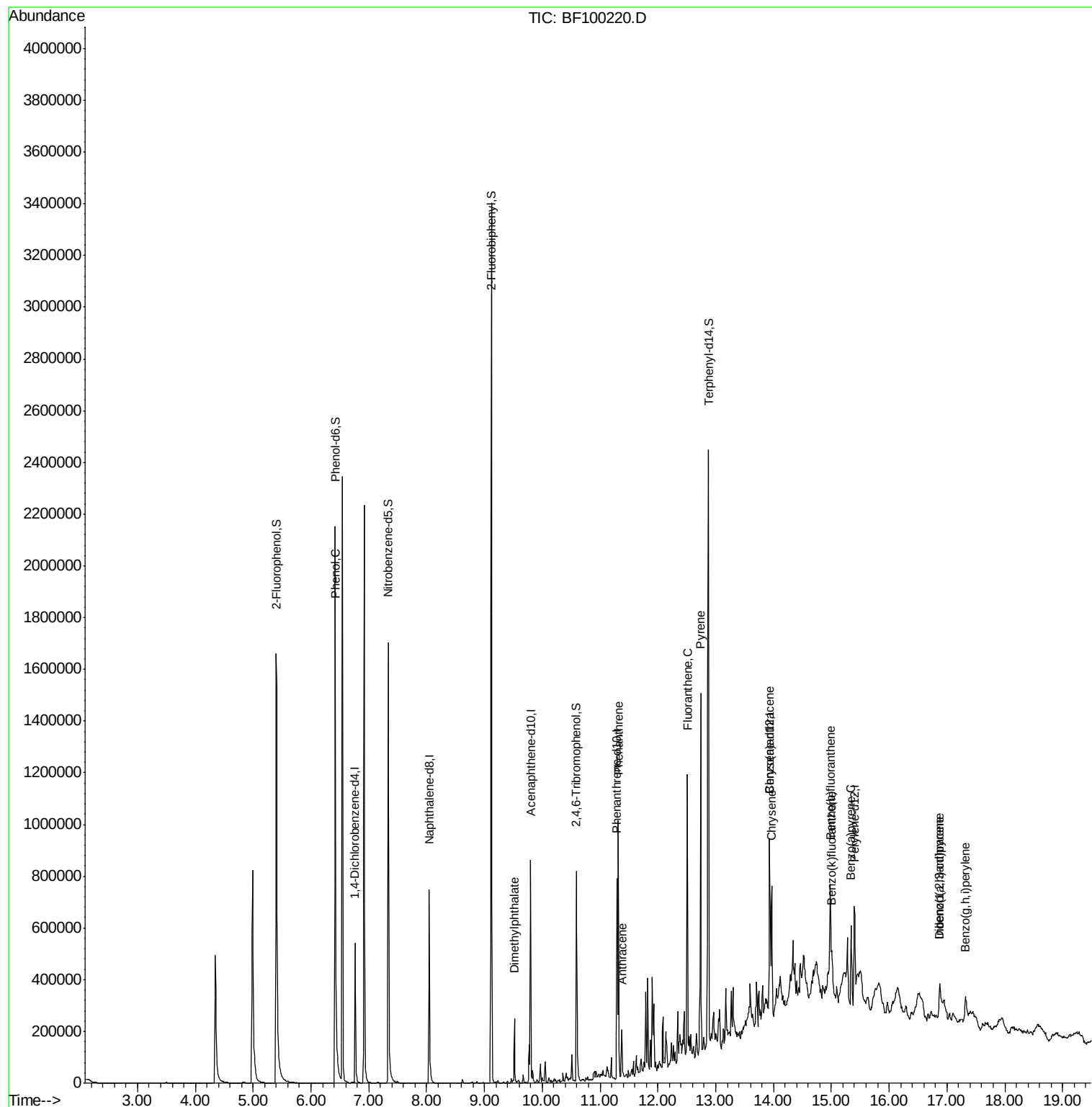
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100220.D
Acq On : 5 Nov 2017 13:37
Operator : SJ/JU
Sample : I6275-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

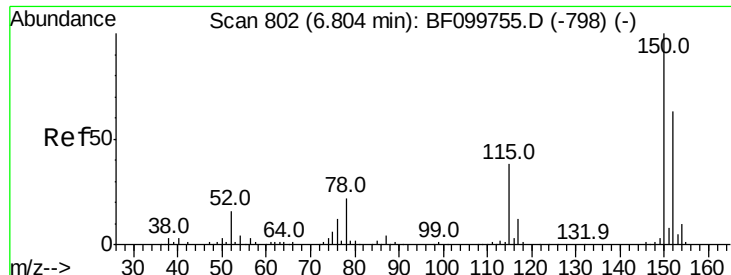
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

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Quant Time: Nov 06 10:21:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

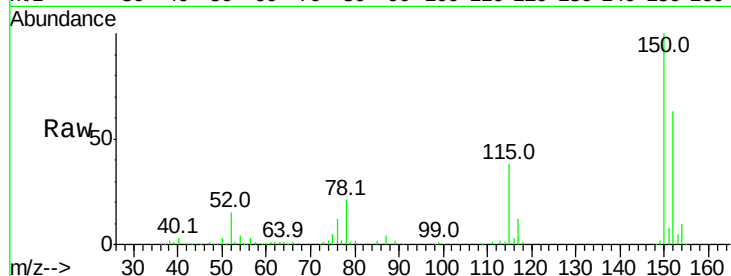
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	60.7	50.1	75.1

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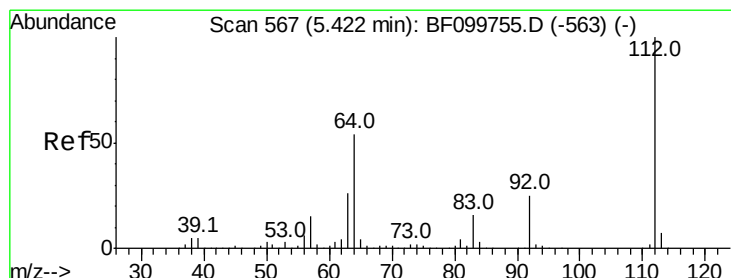
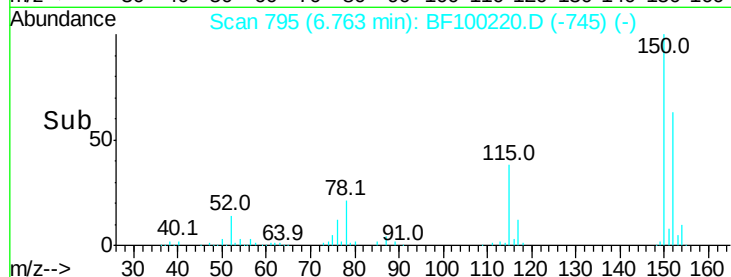
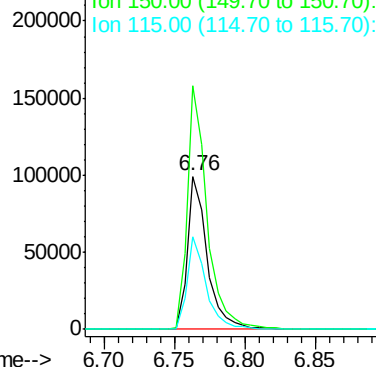


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

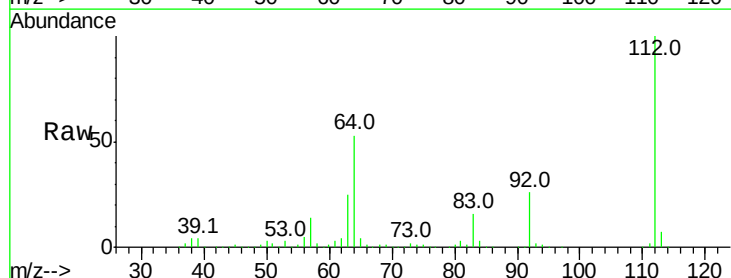
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.553 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	47.9	71.9
63	24.6	23.7	35.5

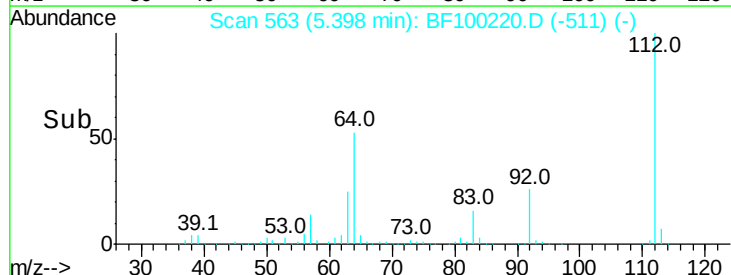
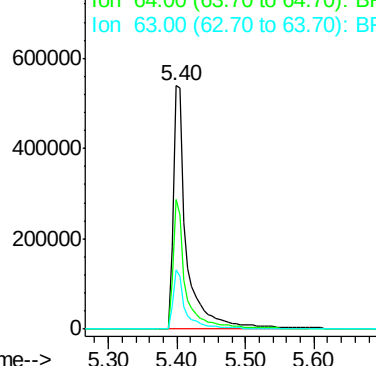


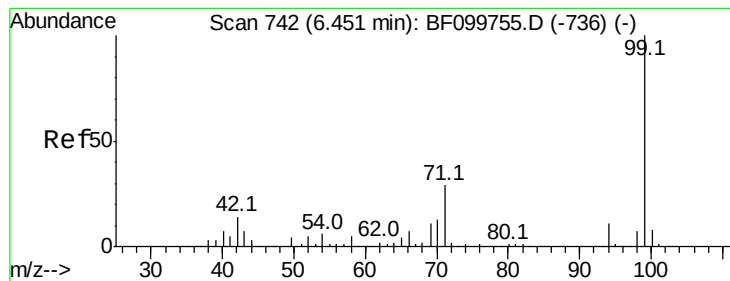
Abundance

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





#7

Phenol-d6

Concen: 153.099 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100220.D

Acq: 5 Nov 2017 13:37

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PILE

Tot Ion: 99 Resp: 1114599

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

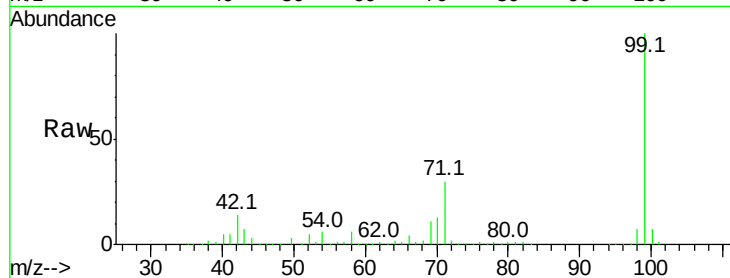
71 30.0 25.4 38.0

Manual Integrations

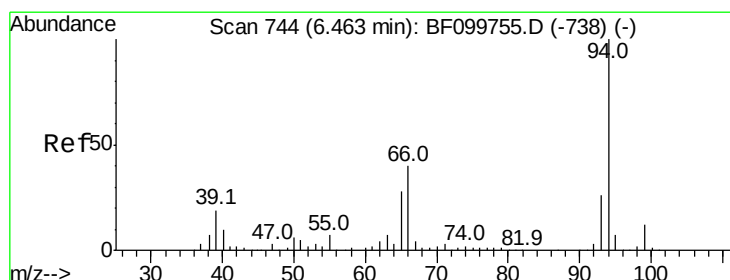
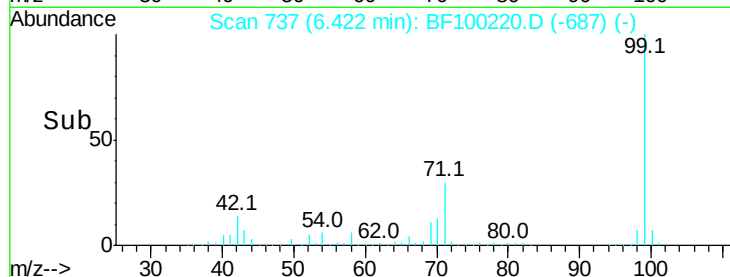
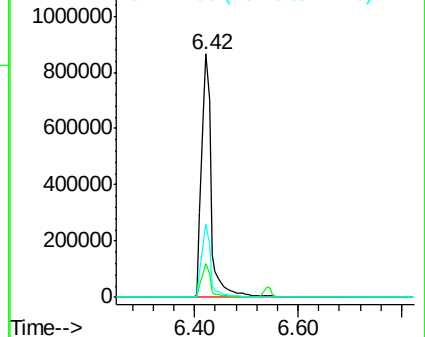
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.280 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100220.D

Acq: 5 Nov 2017 13:37

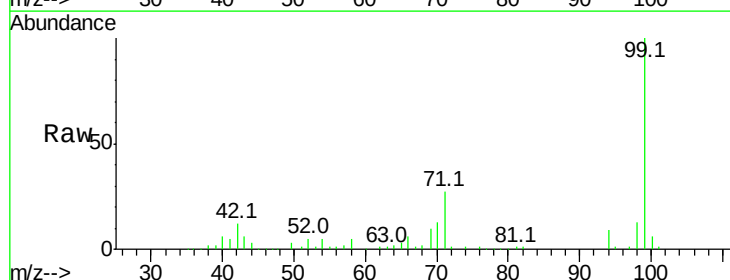
Tgt Ion: 94 Resp: 18221

Ion Ratio Lower Upper

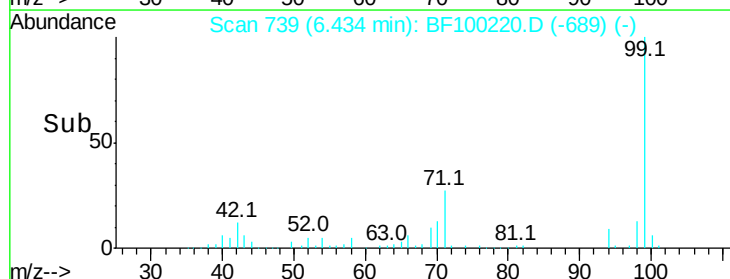
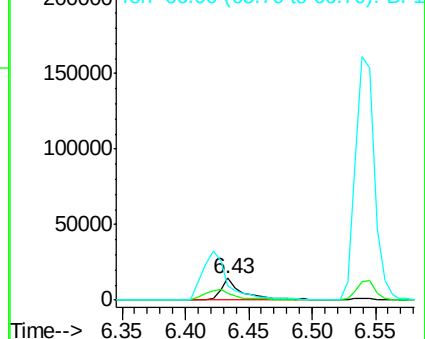
94 100

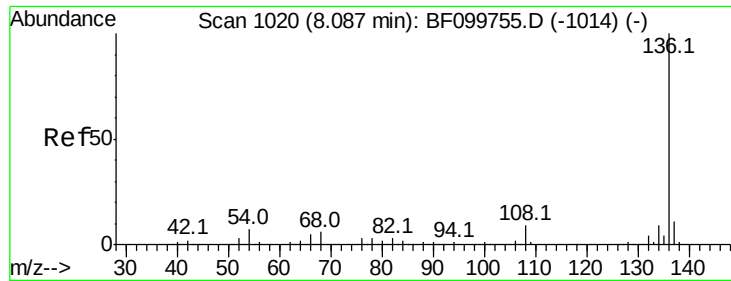
65 31.3 7.9 47.9

66 64.1 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





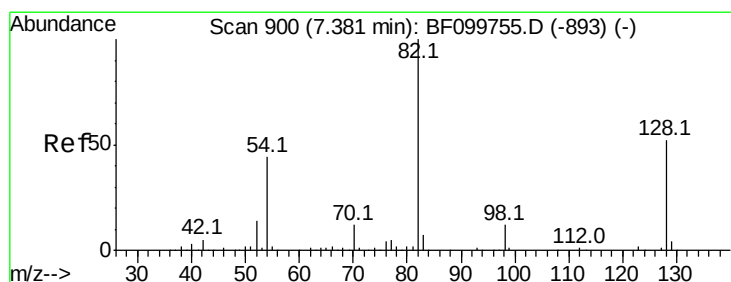
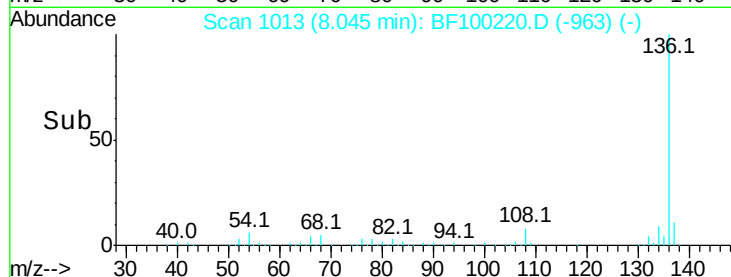
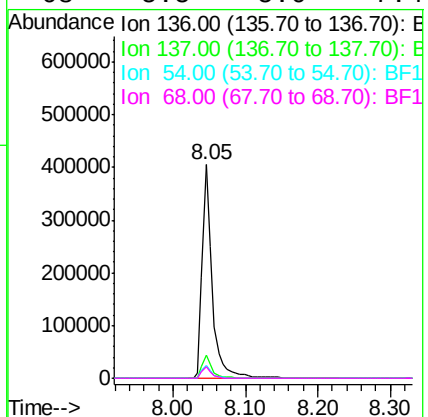
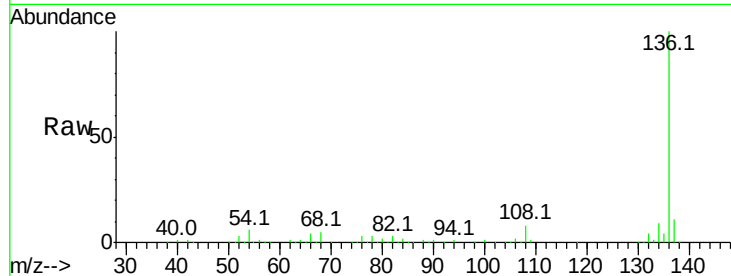
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	6.0	6.6	9.8	
68	5.5	5.0	7.4	

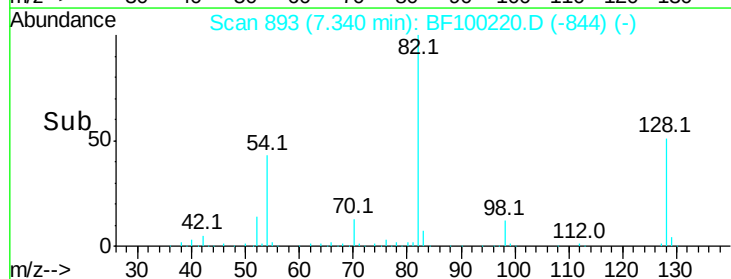
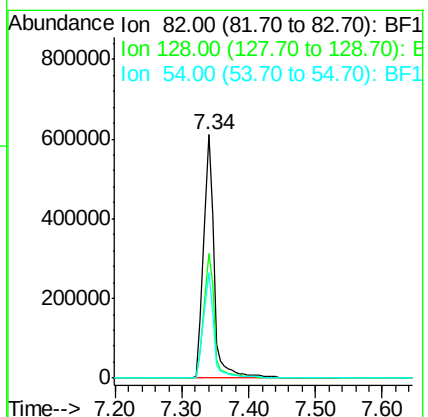
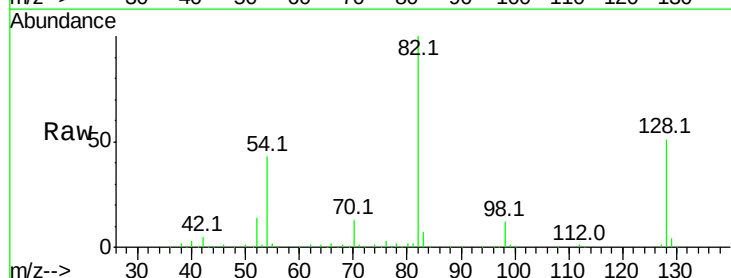
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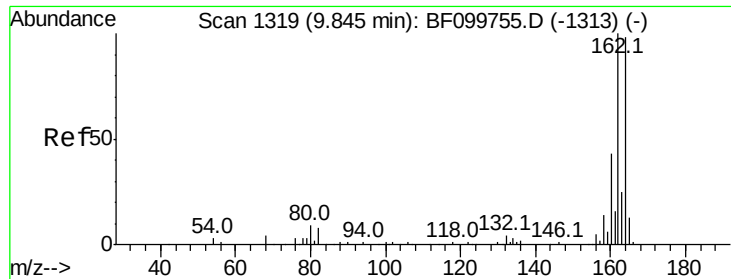
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#23
Nitrobenzene-d5
Concen: 109.389 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	51.2	36.1	54.1	
54	43.3	41.4	62.2	





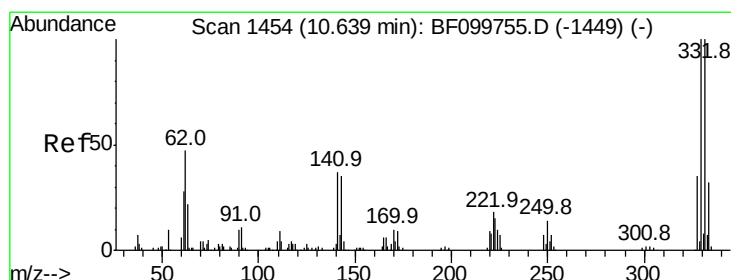
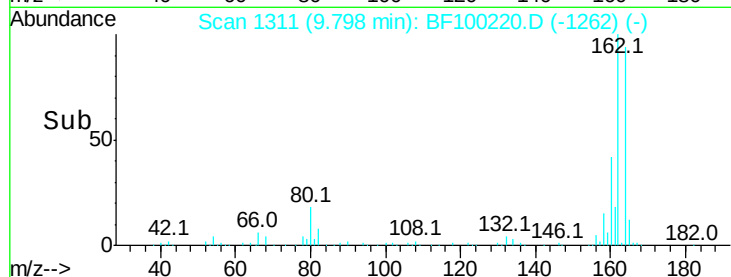
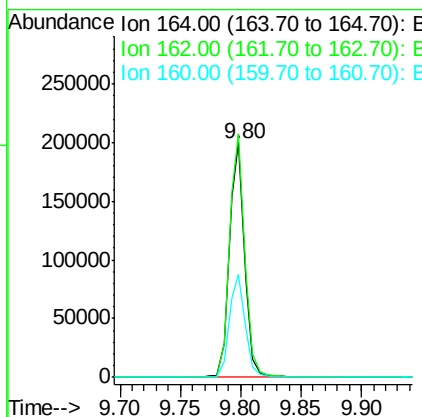
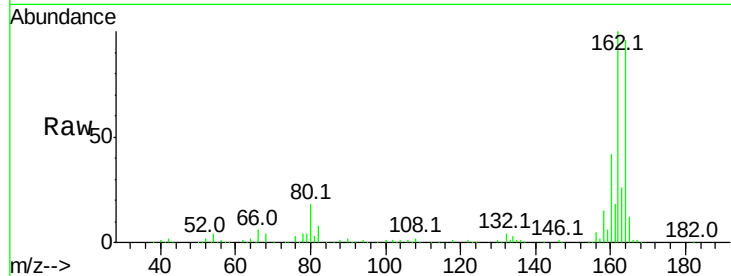
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	174172		
162	103.8	86.1	129.1	
160	43.8	38.3	57.5	

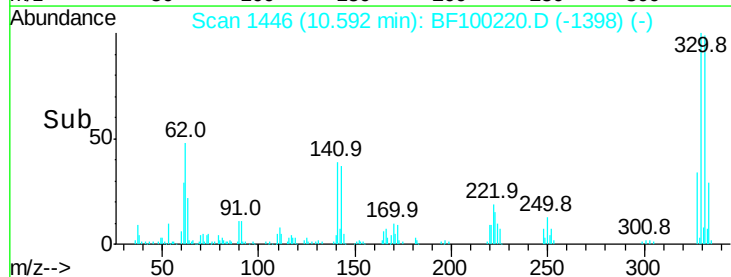
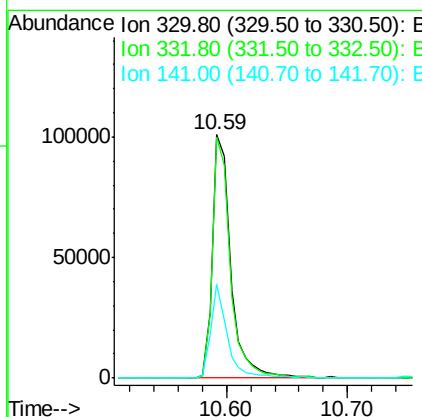
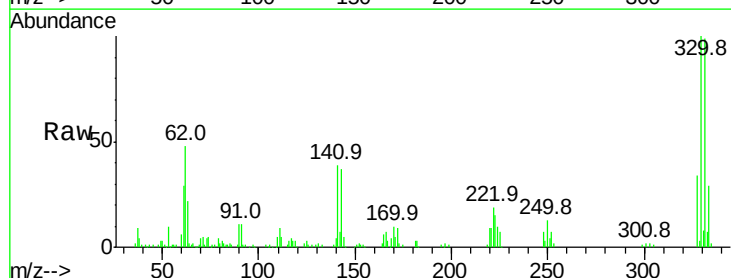
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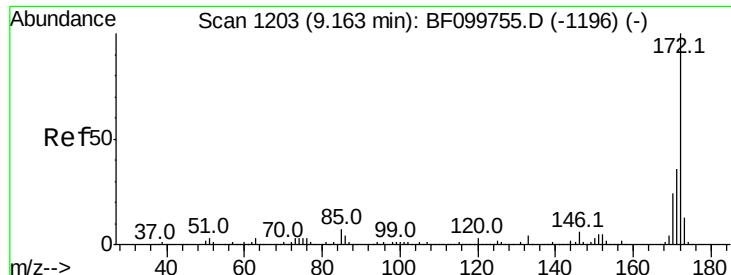
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#41
2,4,6-Tribromophenol
Concen: 66.200 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	105077		
332	96.6	77.0	115.6	
141	35.5	29.9	44.9	





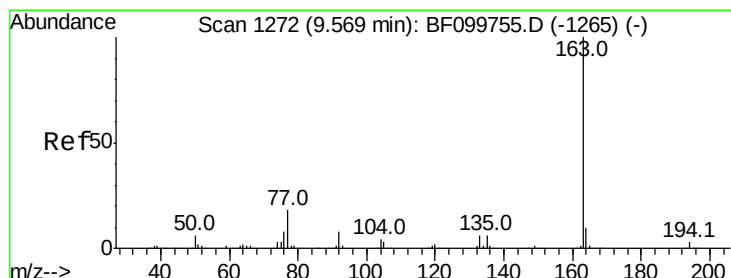
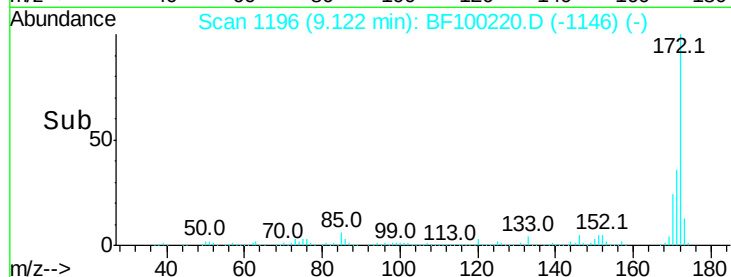
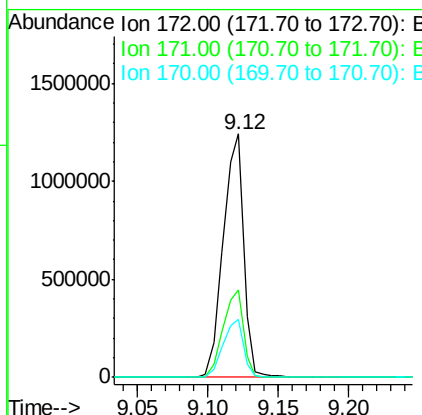
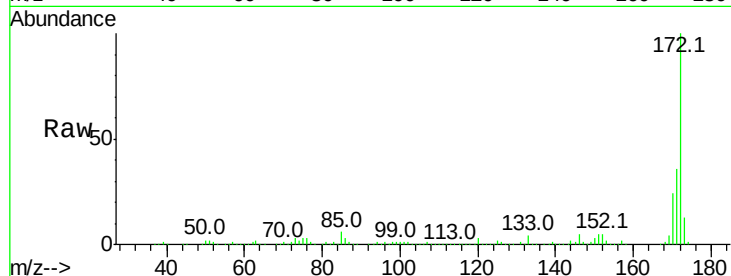
#44
2-Fluorobiphenyl
Concen: 111.089 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	19.6	29.4

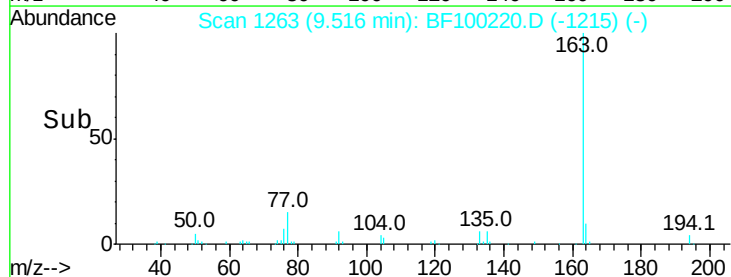
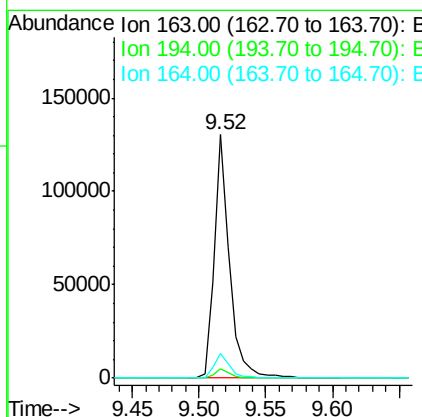
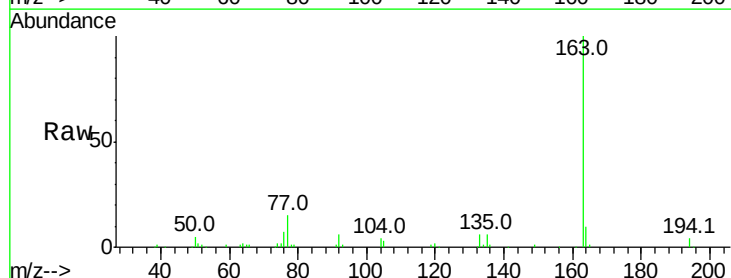
Manual Integrations
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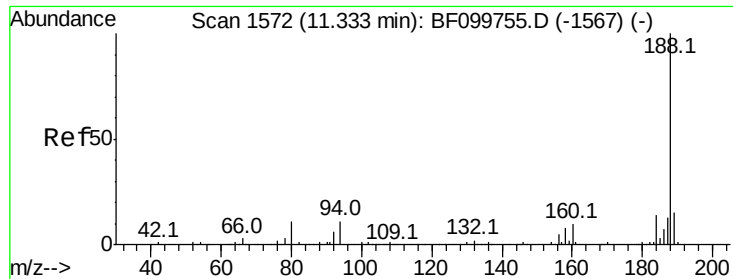
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#49
Dimethylphthalate
Concen: 7.660 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.9	8.2	12.2





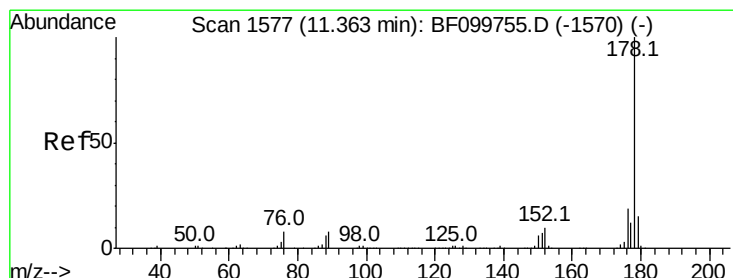
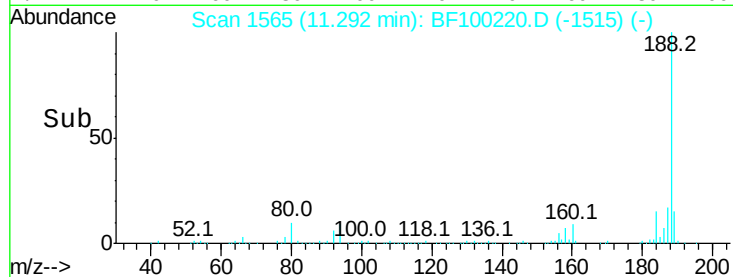
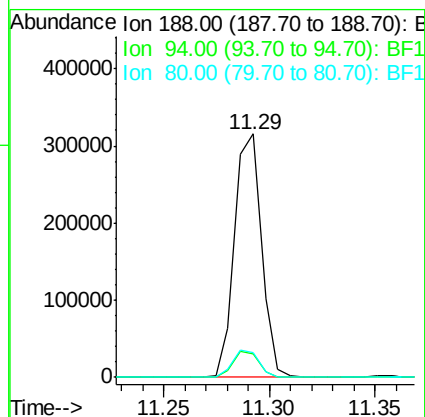
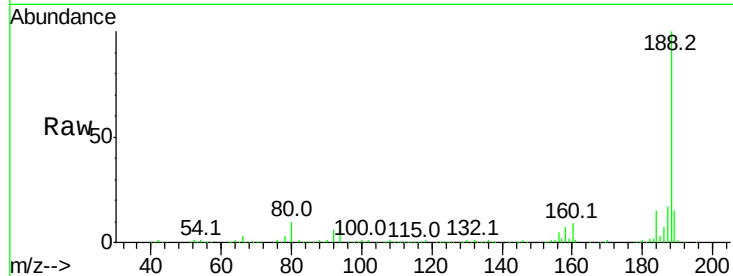
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.0	9.2	13.8

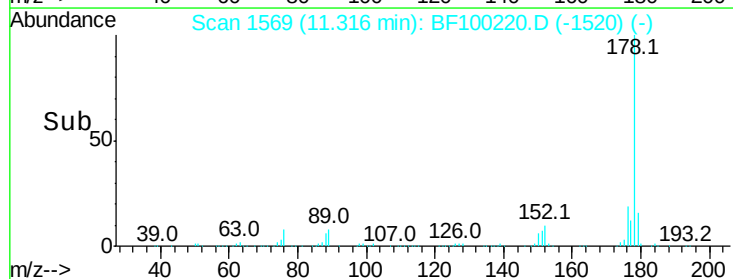
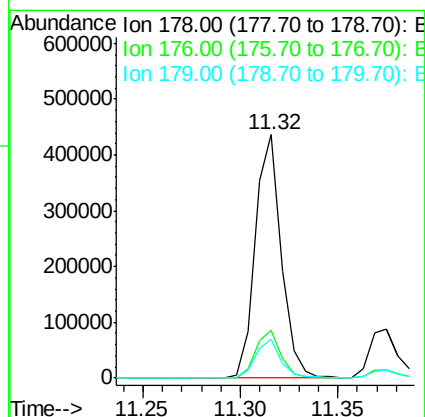
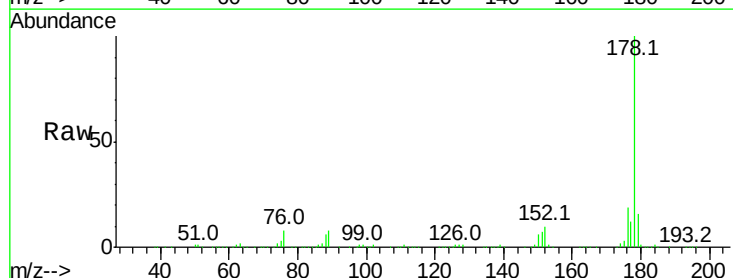
Manual Integrations
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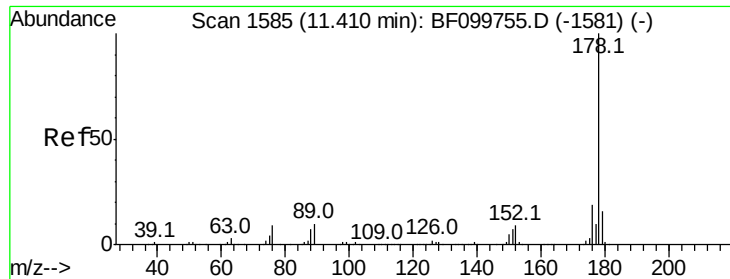
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#70
Phenanthrene
Concen: 25.581 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.8	13.0	19.6





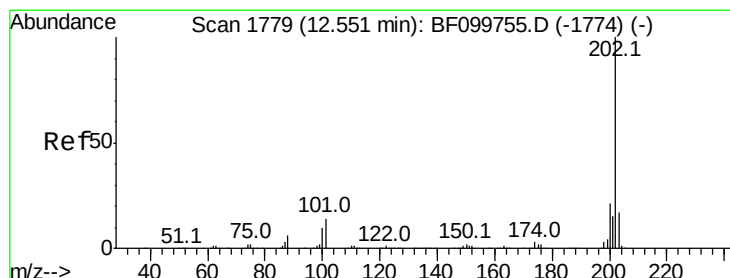
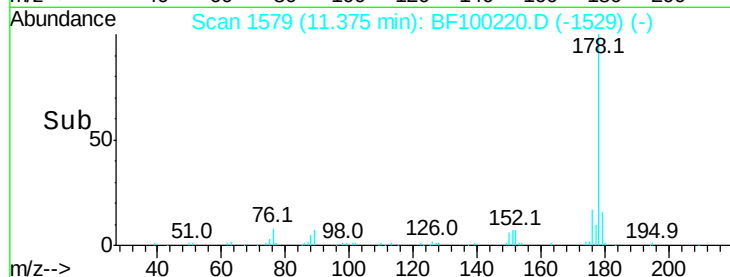
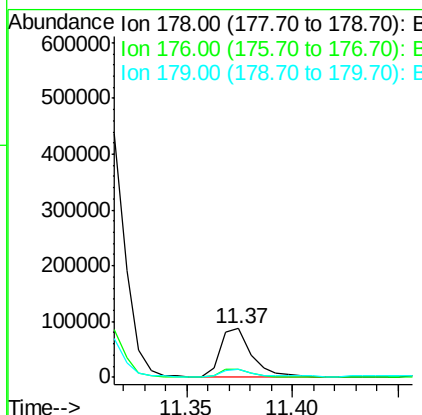
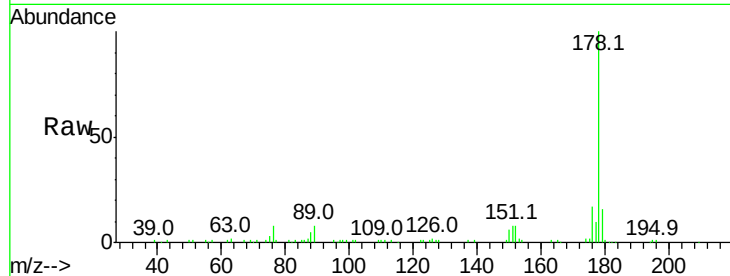
#71
 Anthracene
 Concen: 5.541 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF100220.D
 Acq: 5 Nov 2017 13:37

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	16.1	12.6	19.0

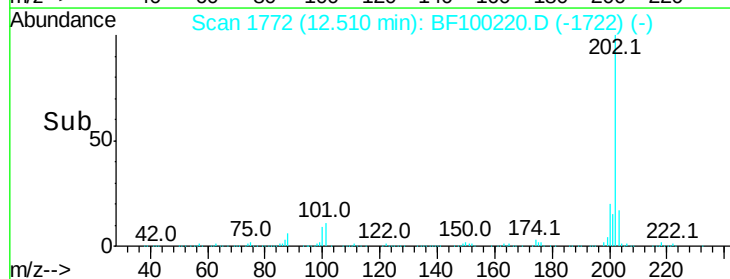
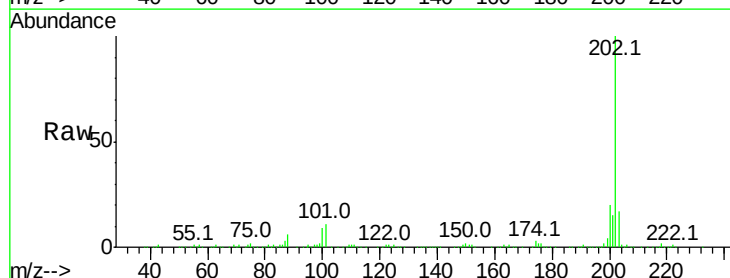
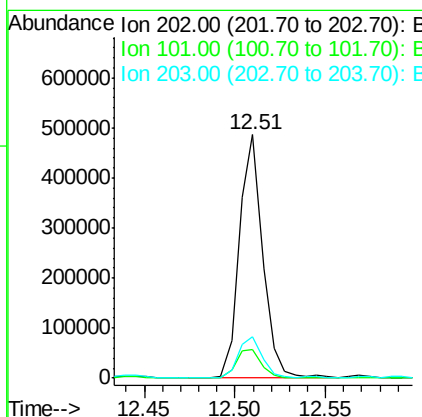
Manual Integrations
 APPROVED

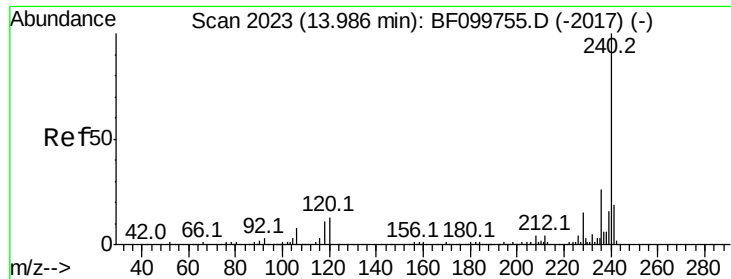
Sohil
 11/6/2017 2:33:21 PM



#74
 Fluoranthene
 Concen: 26.653 ng
 RT: 12.51 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF100220.D
 Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.1	0.0	38.1





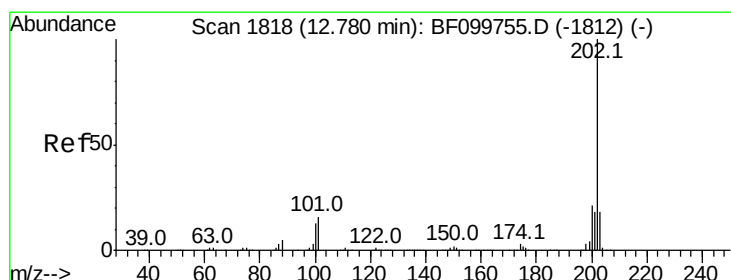
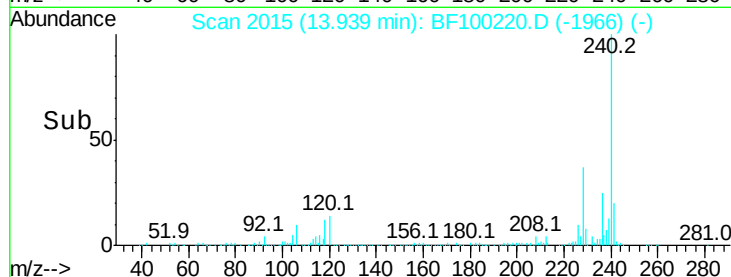
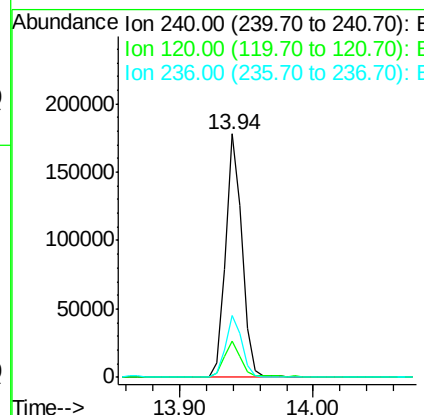
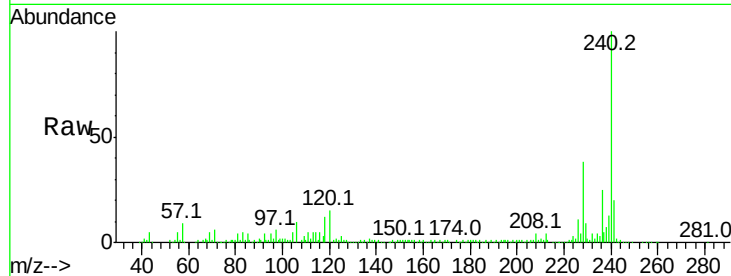
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3#
236	25.4	20.7	31.1

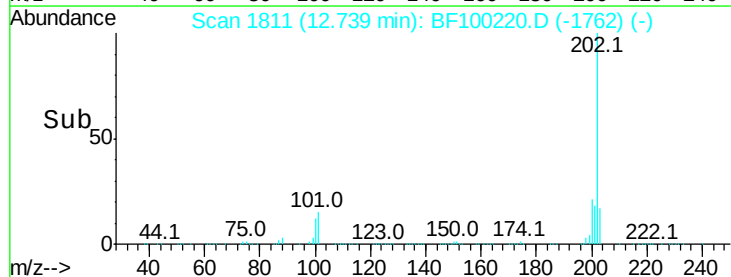
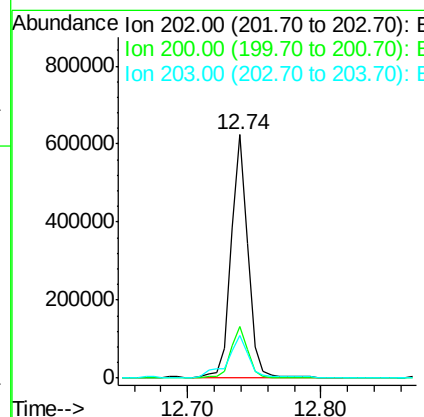
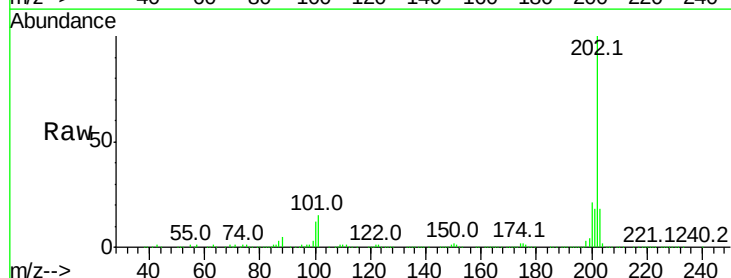
Manual Integrations
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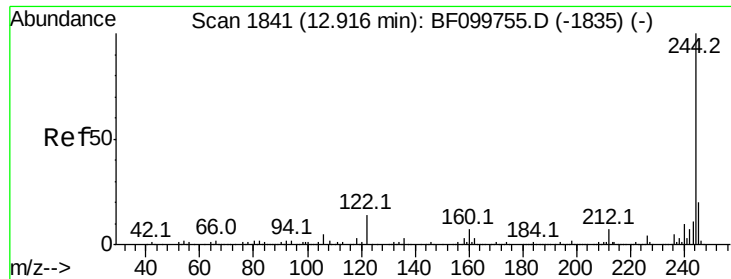
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#77
Pyrene
Concen: 46.844 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

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





#78

Terphenyl-d14

Concen: 120.720 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF100220.D

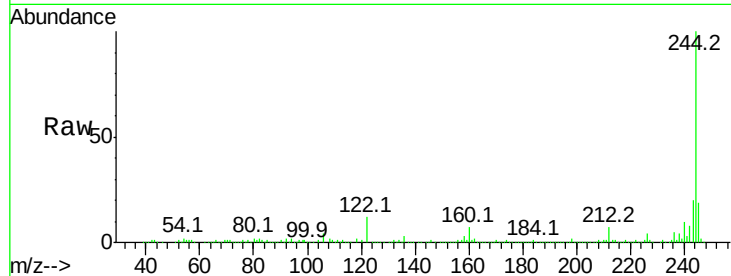
Acq: 5 Nov 2017 13:37

Instrument :

BNA_F

ClientSampleId :

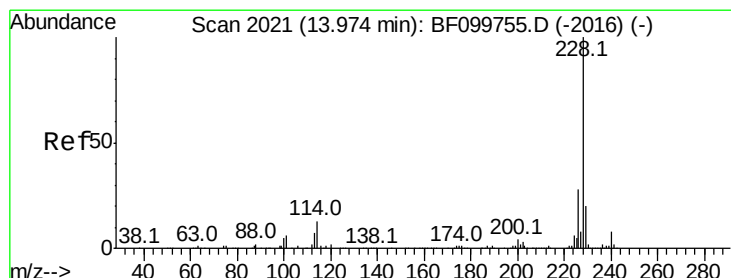
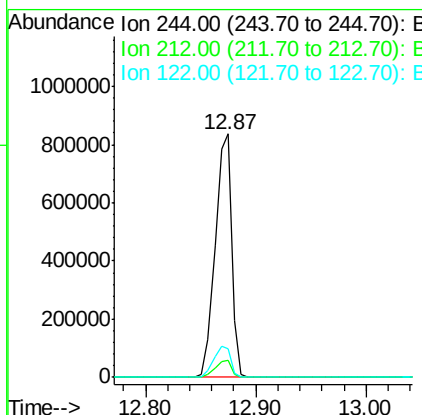
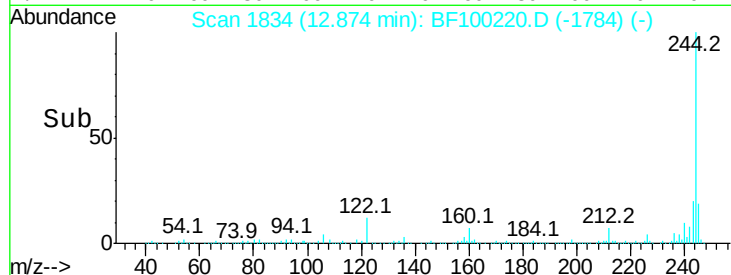
CONCRETE-PILE



Tot Ion:	244	Resp:	860813
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	11.8	11.0	16.4

Manual Integrations
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11/6/2017 2:33:21 PM



#80

Benzo(a)anthracene

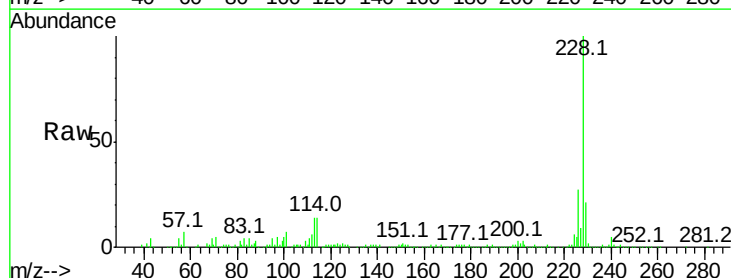
Concen: 20.801 ng

RT: 13.93 min Scan# 2013

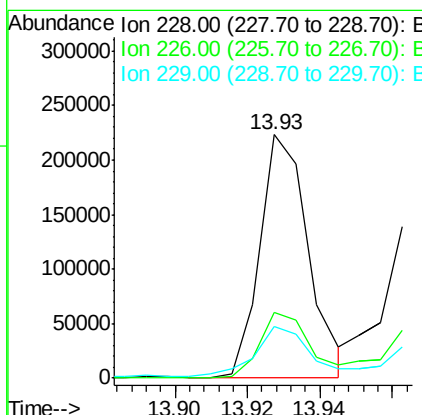
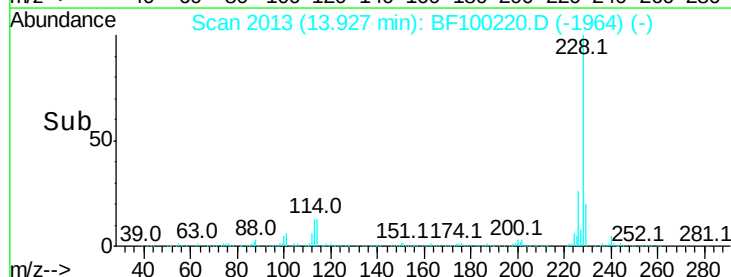
Delta R.T. -0.01 min

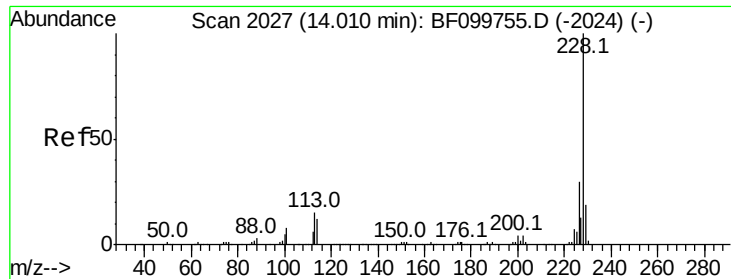
Lab File: BF100220.D

Acq: 5 Nov 2017 13:37



Tgt Ion:	228	Resp:	205489
Ion Ratio	Lower	Upper	
228	100		
226	26.9	22.6	33.8
229	21.1	15.8	23.6





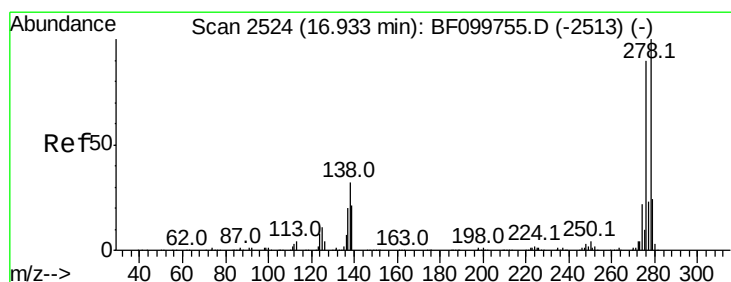
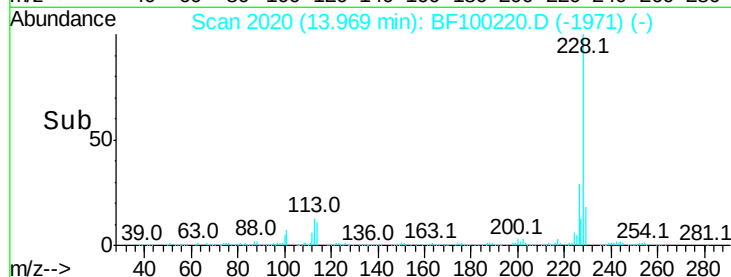
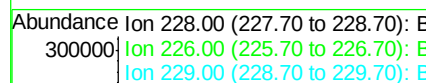
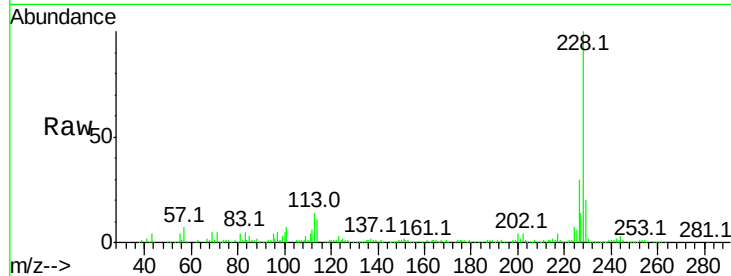
#82
Chrysene
Concen: 21.812 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion:	228	Resp:	202578
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	19.6	16.2	24.4

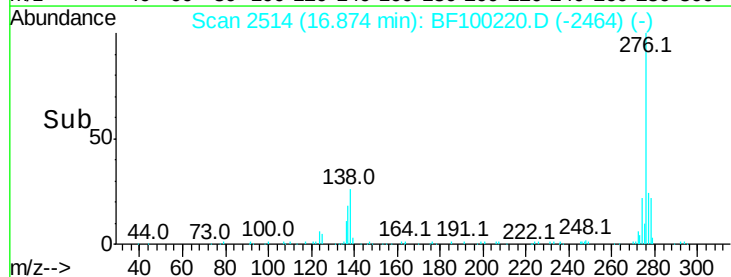
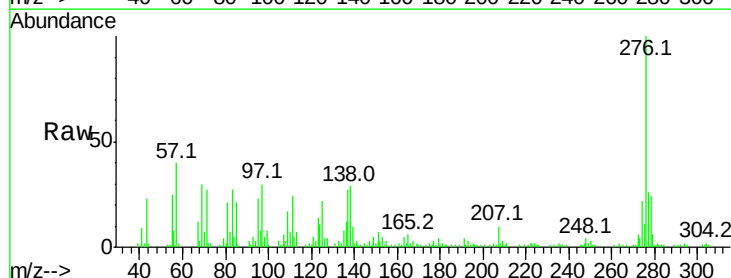
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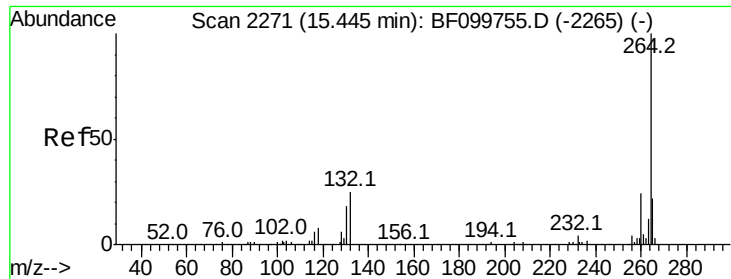
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.083 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion:	276	Resp:	85965
Ion Ratio	Lower	Upper	
276	100		
138	25.9	25.0	37.6
277	22.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF100220.D

Acq: 5 Nov 2017 13:37

Instrument :

BNA_F

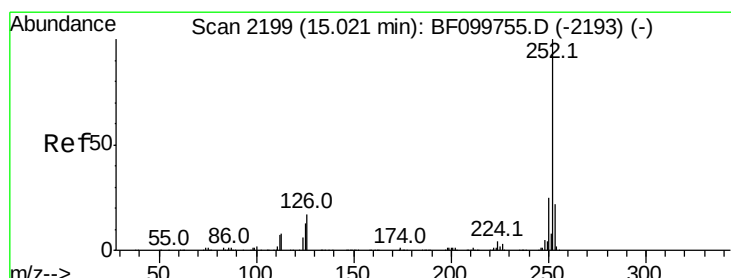
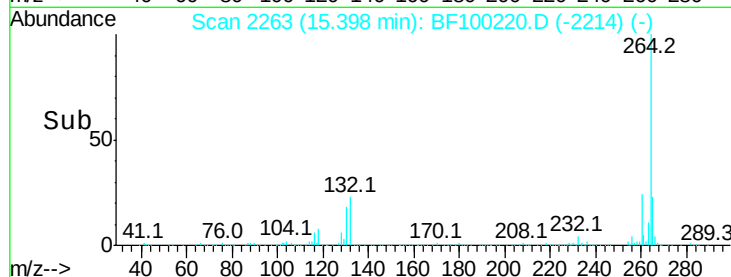
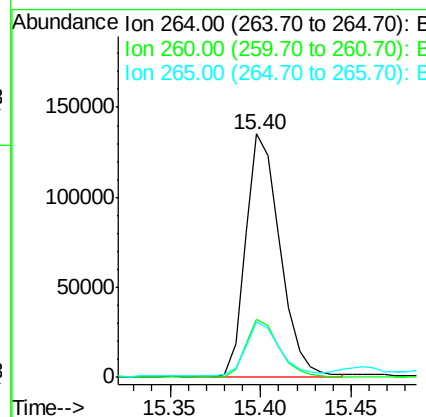
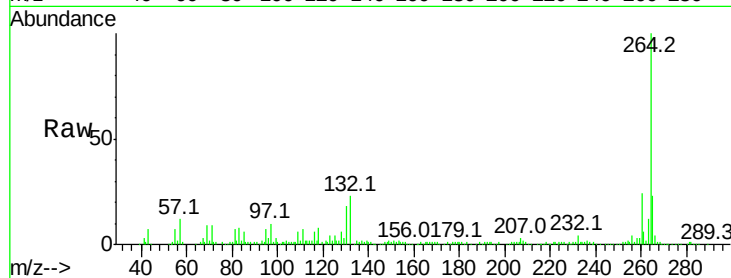
ClientSampleId :

CONCRETE-PILE

Tot Ion:	264	Resp:	176427
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	23.0	17.5	26.3

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11/6/2017 2:33:21 PM



#87

Benzo(b)fluoranthene

Concen: 15.797 ng m

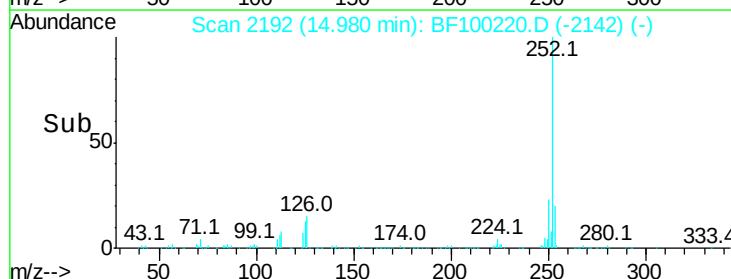
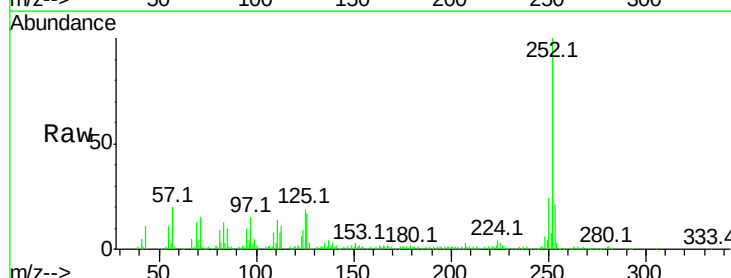
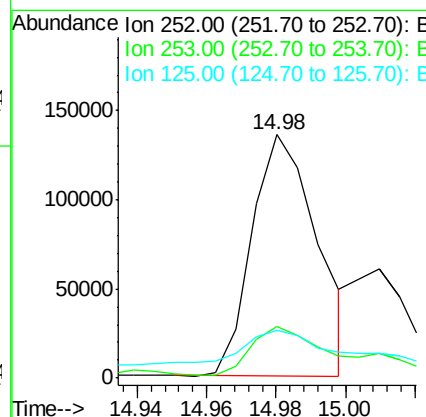
RT: 14.98 min Scan# 2192

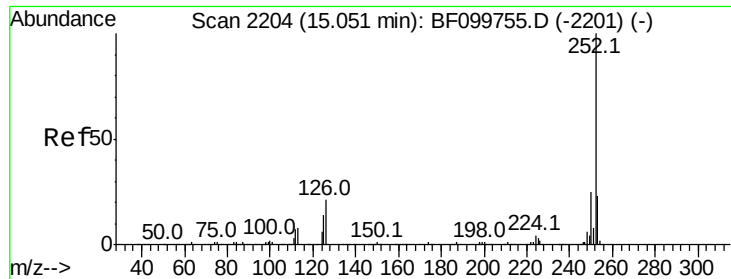
Delta R.T. -0.01 min

Lab File: BF100220.D

Acq: 5 Nov 2017 13:37

Tgt Ion:	252	Resp:	175985
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.0	25.6
125	19.4	9.0	13.6#





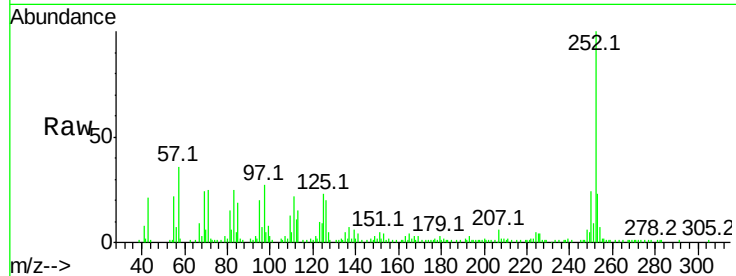
#88
Benzo(k)fluoranthene
Concen: 6.472 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

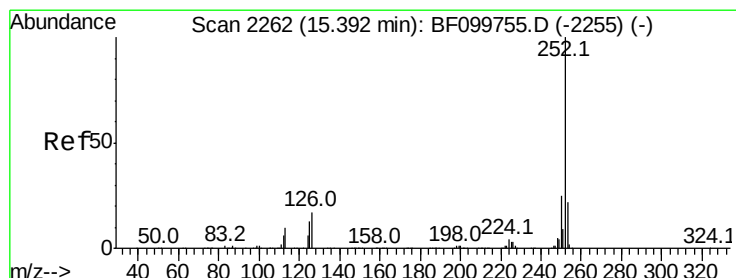
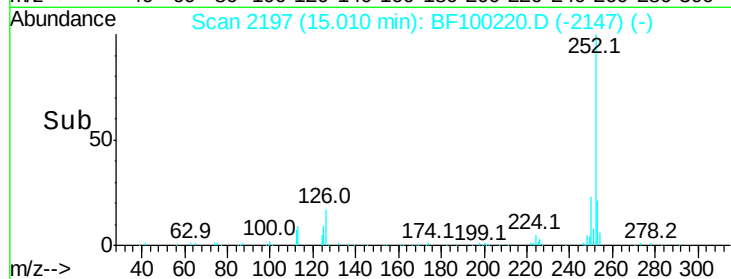
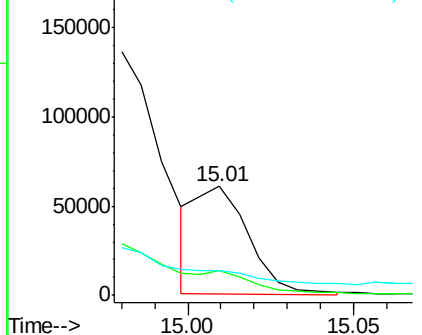
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	23.1	10.2	15.2

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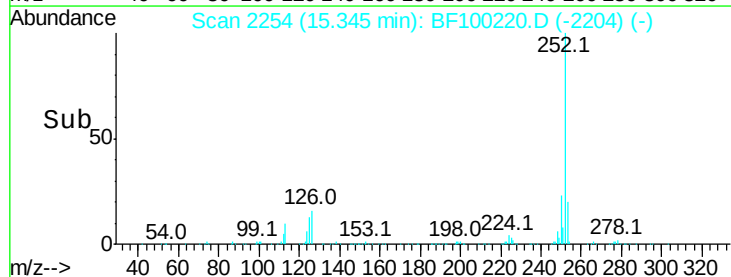
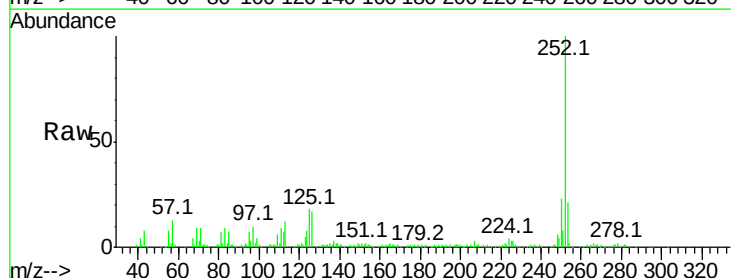
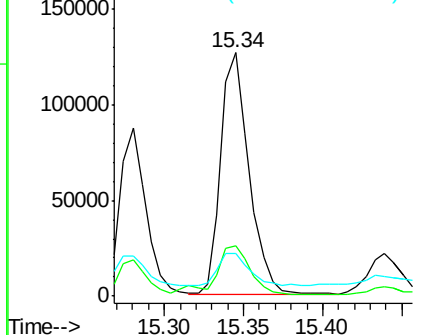
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

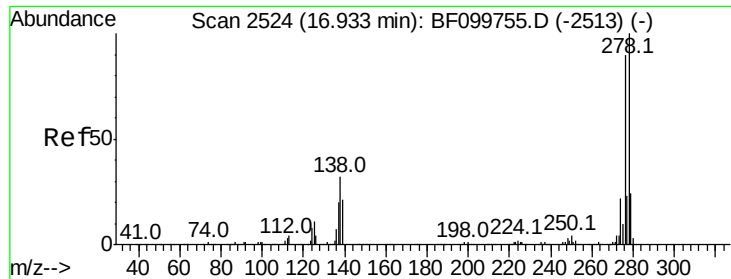


#89
Benzo(a)pyrene
Concen: 15.790 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	17.6	9.8	14.6

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





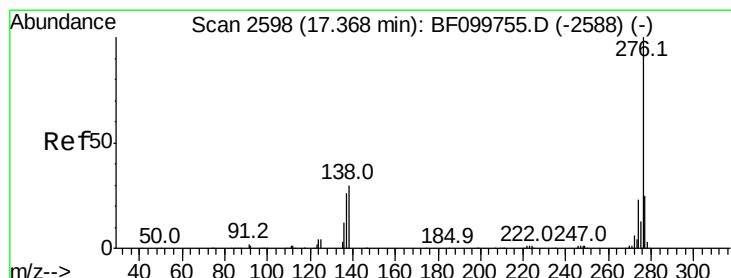
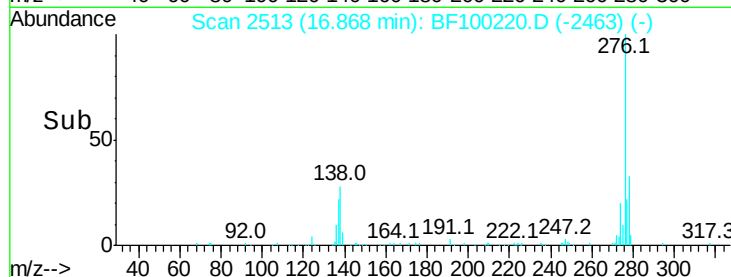
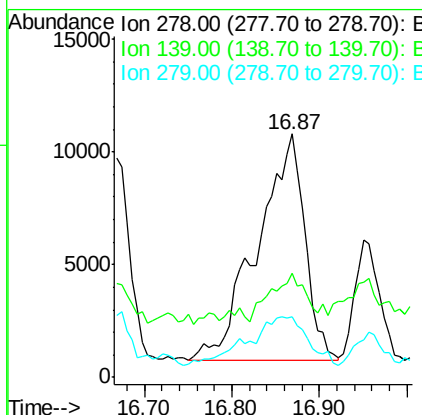
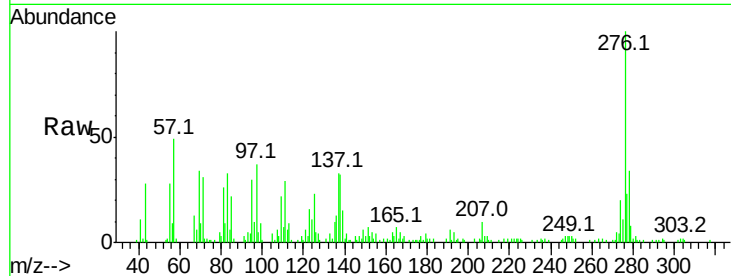
#90
Dibenzo(a,h)anthracene
Concen: 4.272 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
278	100		
139	42.9	15.9	23.9#
279	24.8	19.0	28.4

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11/6/2017 2:33:21 PM



#91
Benzo(g,h,i)perylene
Concen: 8.938 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.00 min
Lab File: BF100220.D
Acq: 5 Nov 2017 13:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	32.4	21.8	32.8

