

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101120.D
 Acq On : 5 Dec 2017 13:21
 Operator : SJ/JU
 Sample : I6734-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Driveway-Paving-1(0-12)

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:12:18 PM

Quant Time: Dec 05 15:27:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	54965	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	217369	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	100703	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	195175	20.00	ng	0.00
75) Chrysene-d12	14.02	240	134480	20.00	ng	0.00
86) Perylene-d12	15.49	264	113057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	306000	91.99	ng	0.00
7) Phenol-d6	6.48	99	369722	91.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	233829	64.17	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	98707	81.59	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	438952	59.64	ng	0.00
78) Terphenyl-d14	12.96	244	420810	68.44	ng	0.00
Target Compounds						
10) Phenol	6.49	94	11399	2.538	ng	98
49) Dimethylphthalate	9.60	163	65050	8.010	ng	100
70) Phenanthrene	11.40	178	28670	2.667	ng	98
74) Fluoranthene	12.59	202	90059	7.559	ng	94
77) Pyrene	12.82	202	86186	9.288	ng	97
80) Benzo(a)anthracene	14.00	228	34196	4.027	ng	97
82) Chrysene	14.04	228	34372	4.359	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	25172	3.591	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	40140m	5.928	ng	
88) Benzo(k)fluoranthene	15.09	252	15823m	2.372	ng	
89) Benzo(a)pyrene	15.43	252	31820m	5.169	ng	
91) Benzo(a,h,i)perylene	17.42	276	26571	5.195	ng	# 94

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

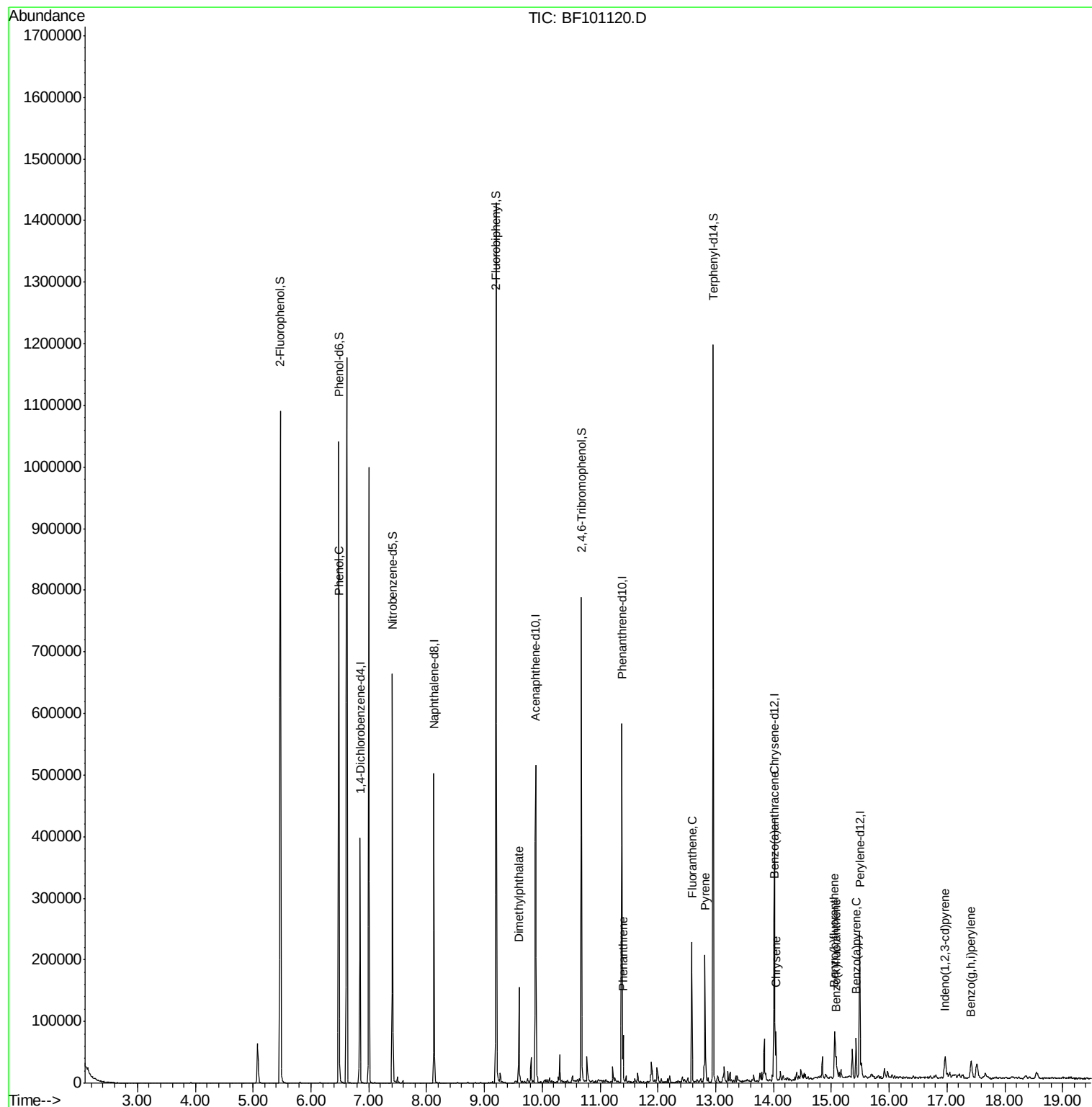
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101120.D
Acq On : 5 Dec 2017 13:21
Operator : SJ/JU
Sample : I6734-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

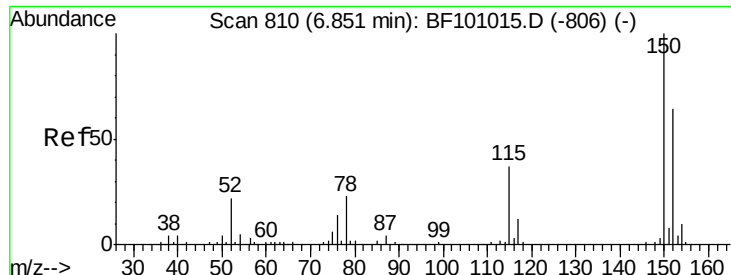
Instrument :
BNA_F
ClientSampleId :
Driveway-Paving-1(0-12)

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

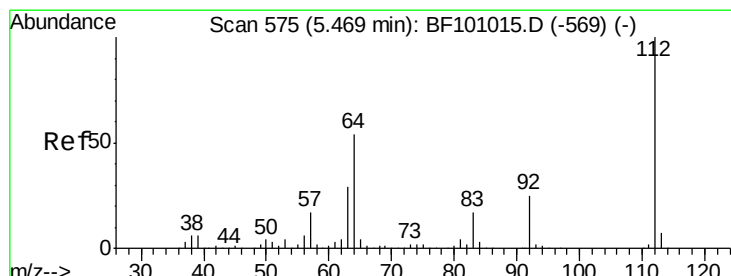
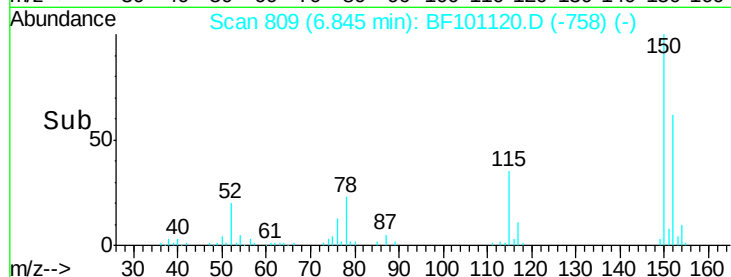
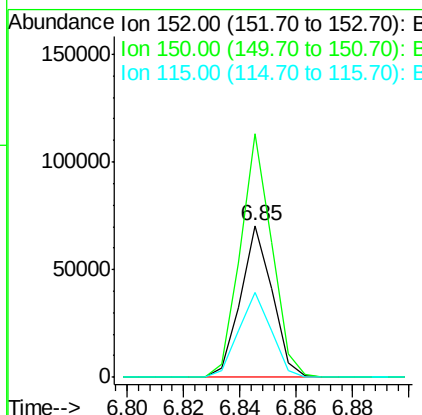
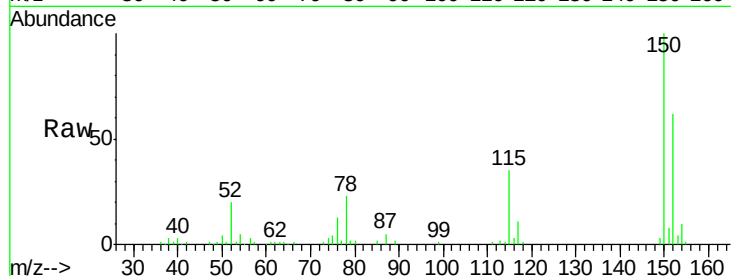
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :
Driveway-Paving-1(0-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	55.7	50.1	75.1

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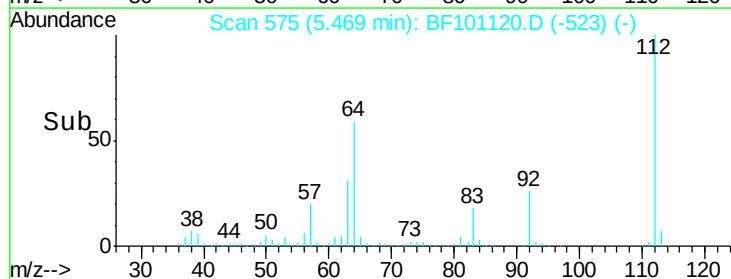
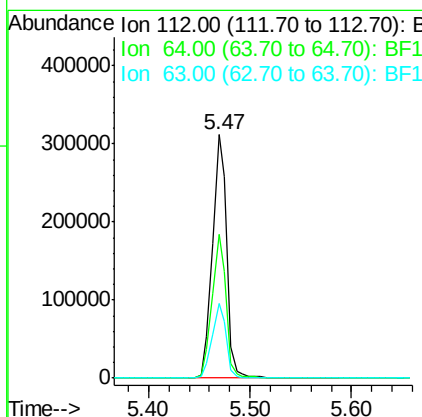
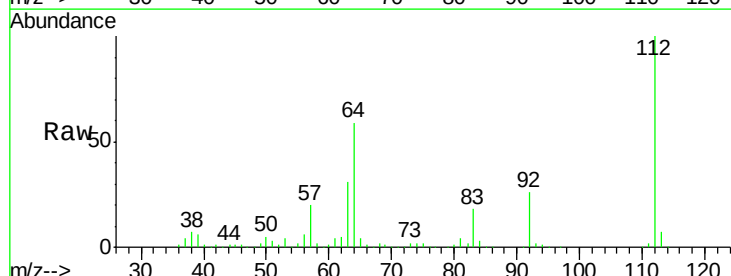
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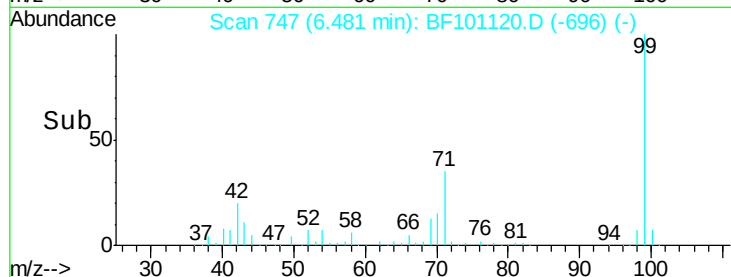
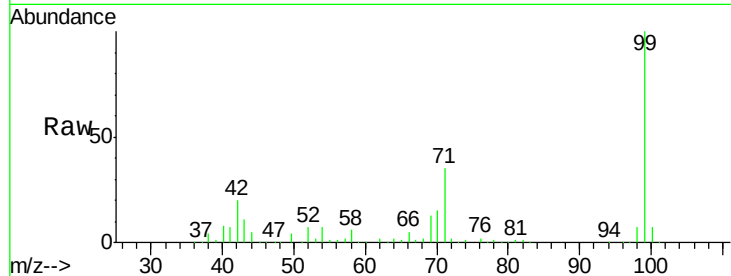
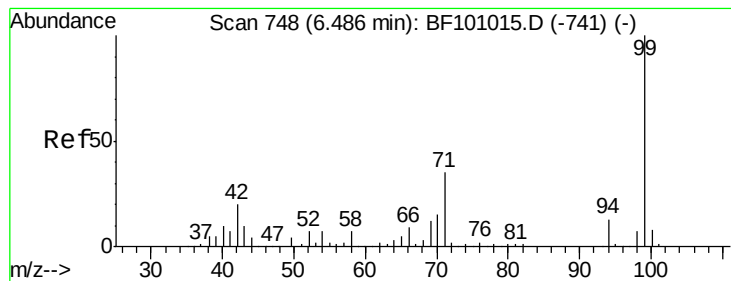


#5

2-Fluorophenol
Concen: 91.995 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 91.551 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tot Ion:	99	Resp:	369722
Ion Ratio	Lower	Upper	
99	100		
42	20.4	14.5	21.7
71	35.1	25.4	38.0

Instrument :

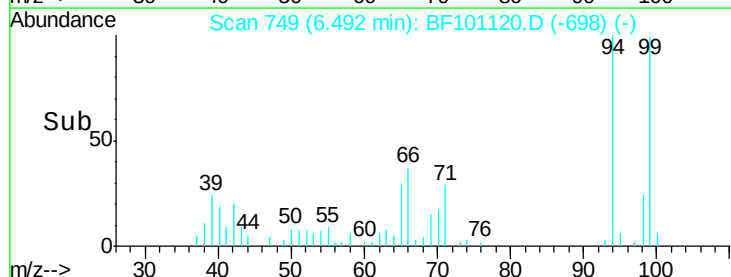
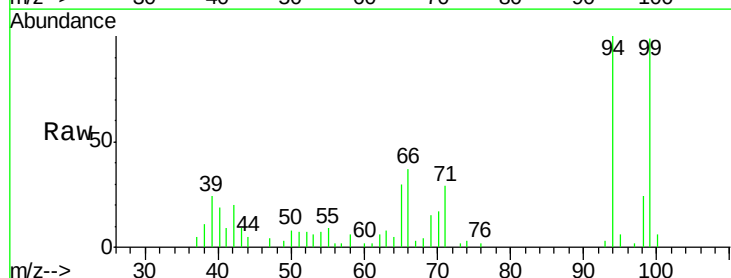
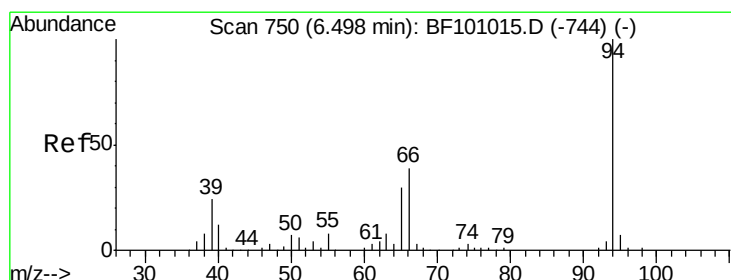
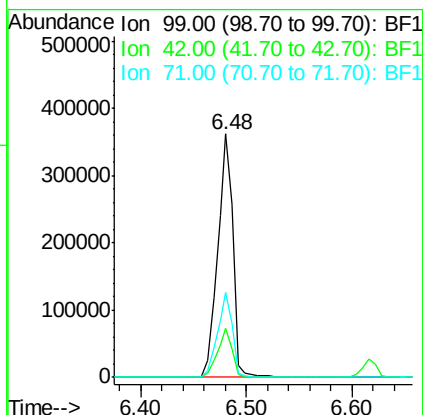
BNA_F

ClientSampleId :

Driveway-Paving-1(0-12)

Manual Integrations
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#10

Phenol

Concen: 2.538 ng

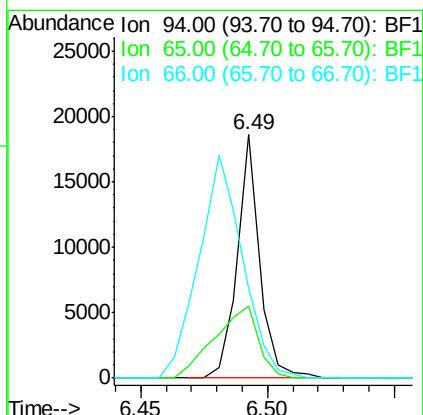
RT: 6.49 min Scan# 749

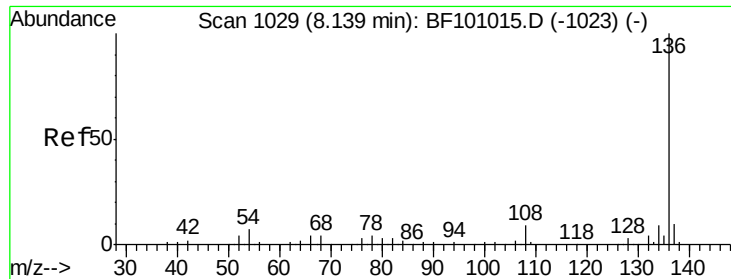
Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tgt Ion:	94	Resp:	11399
Ion Ratio	Lower	Upper	
94	100		
65	29.7	7.9	47.9
66	37.2	16.2	56.2





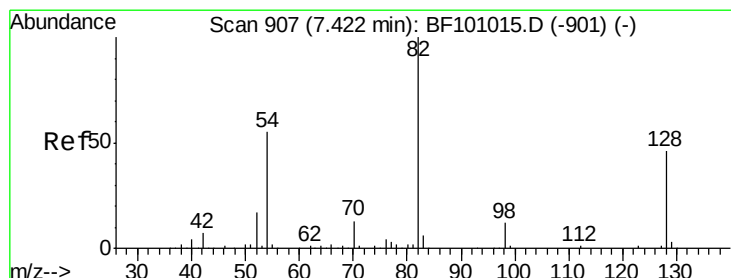
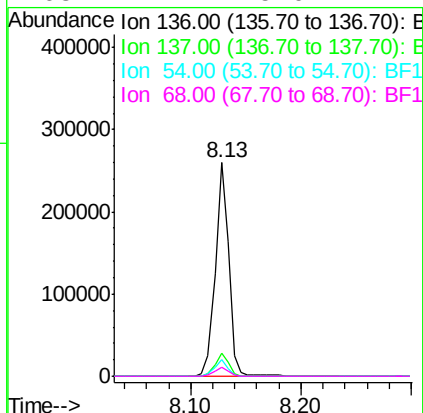
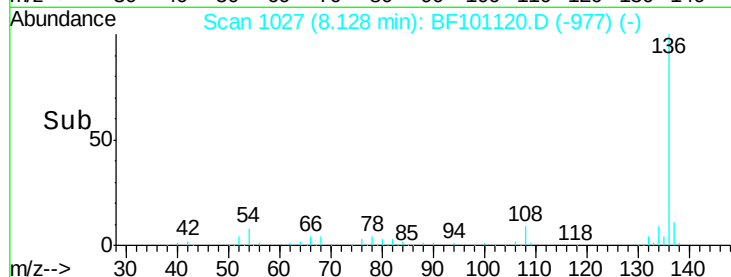
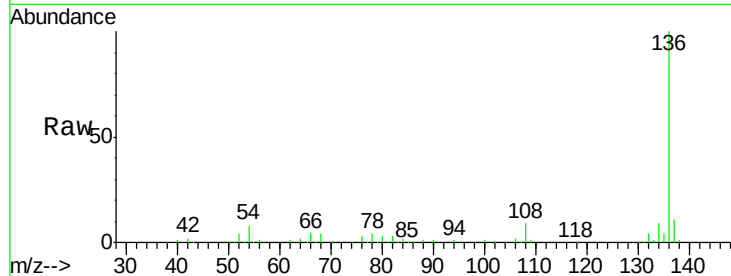
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :
Driveway-Paving-1(0-12)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		217369		
137	10.9		8.9	13.3	
54	7.7		6.6	9.8	
68	4.2		5.0	7.4	

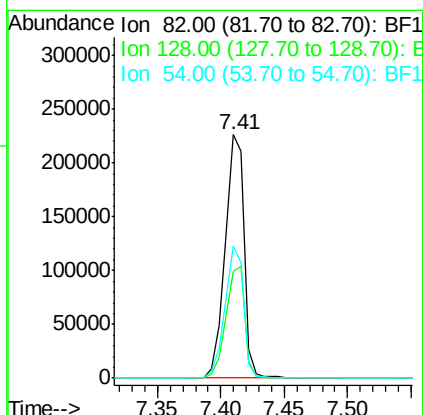
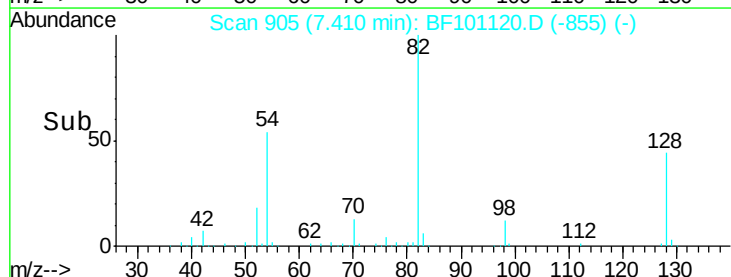
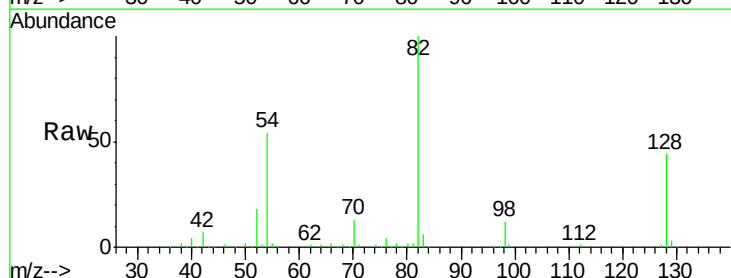
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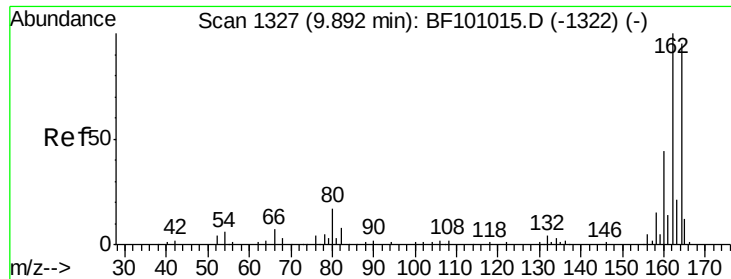
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#23
Nitrobenzene-d5
Concen: 64.170 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		233829		
128	43.8		36.1	54.1	
54	54.1		41.4	62.2	





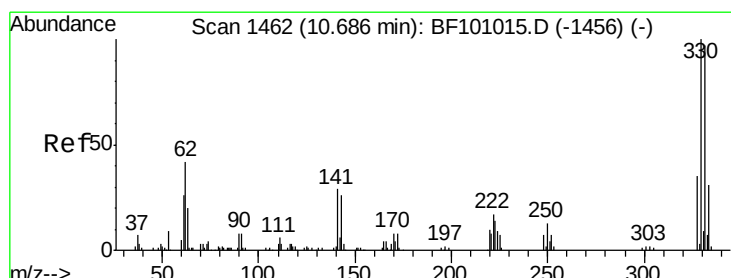
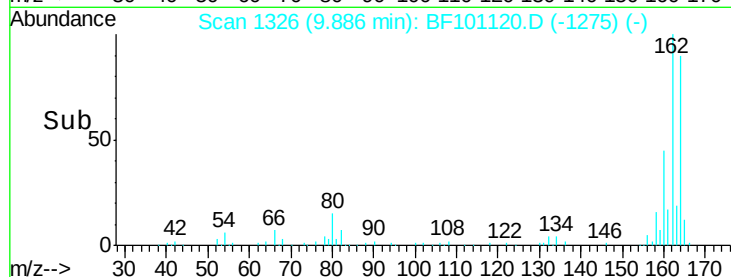
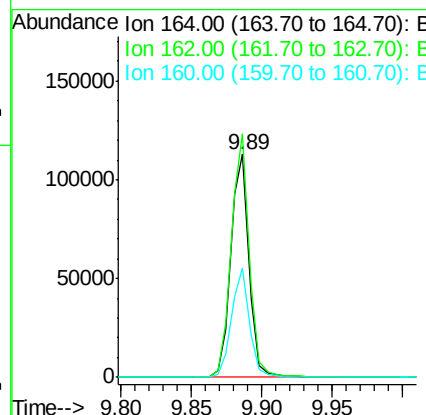
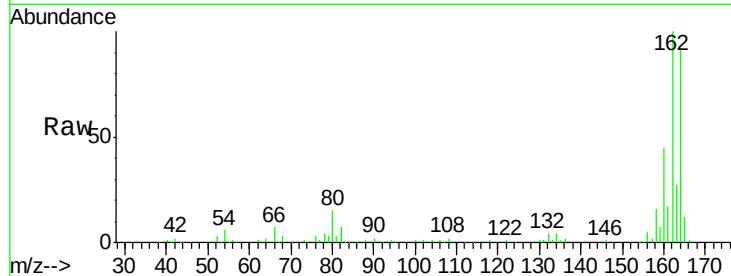
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :
 Driveway-Paving-1(0-12)

Tot Ion	Ratio	Lower	Upper
164	100		
162	109.2	86.1	129.1
160	48.7	38.3	57.5

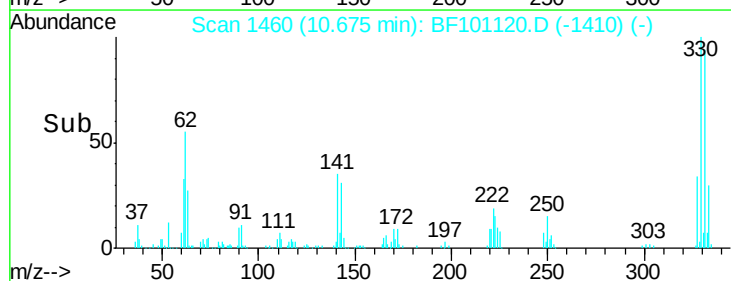
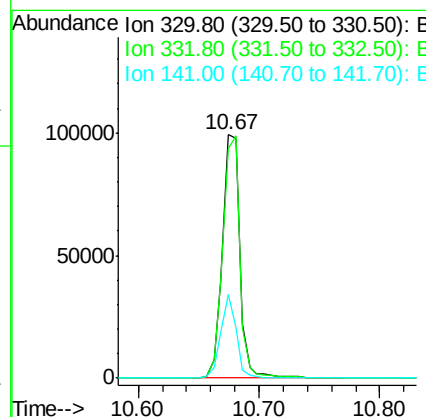
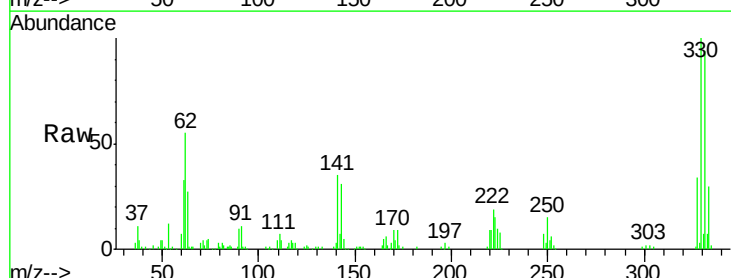
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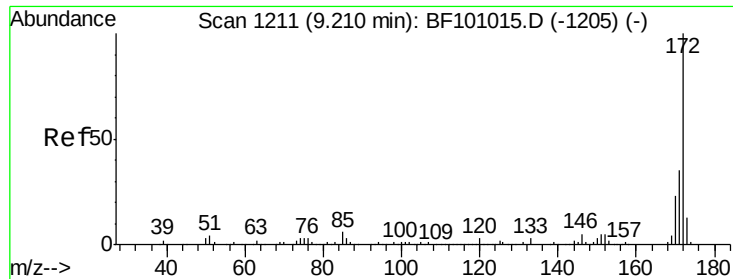
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#41
 2,4,6-Tribromophenol
 Concen: 81.594 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	30.2	29.9	44.9





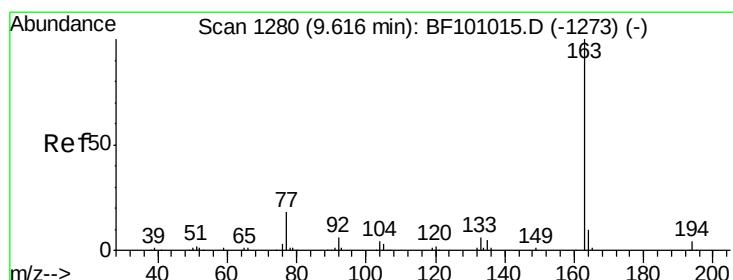
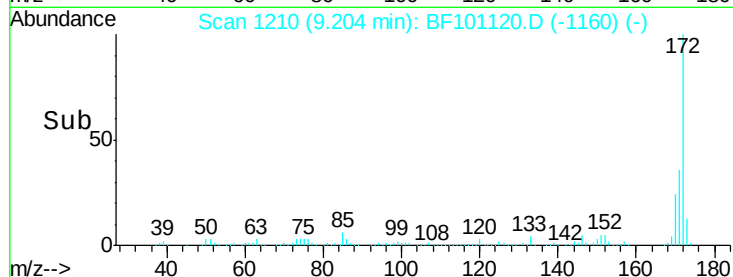
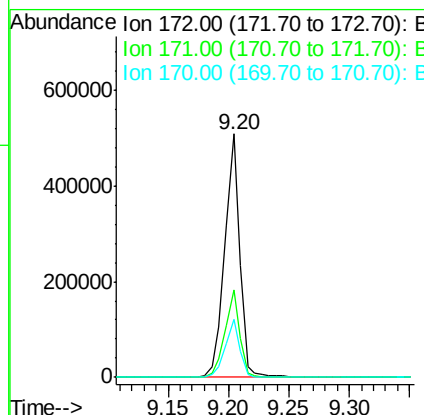
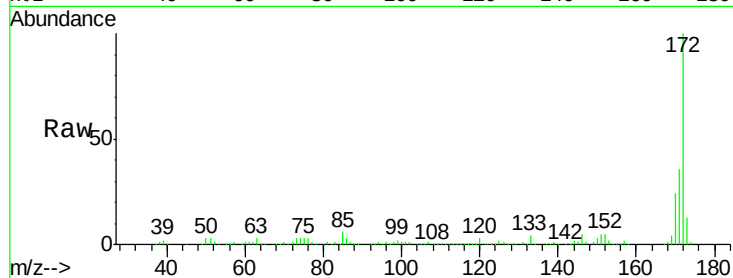
#44
2-Fluorobiphenyl
Concen: 59.638 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :
Driveway-Paving-1(0-12)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.7	19.6	29.4	

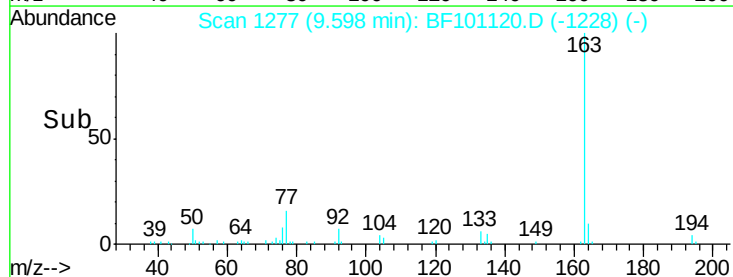
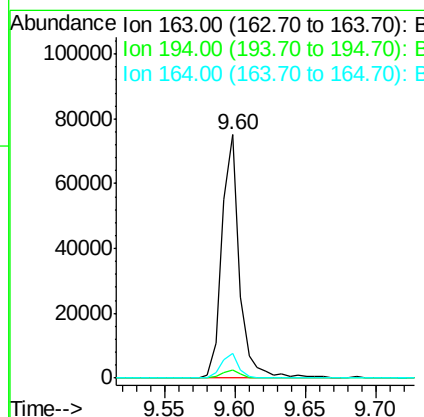
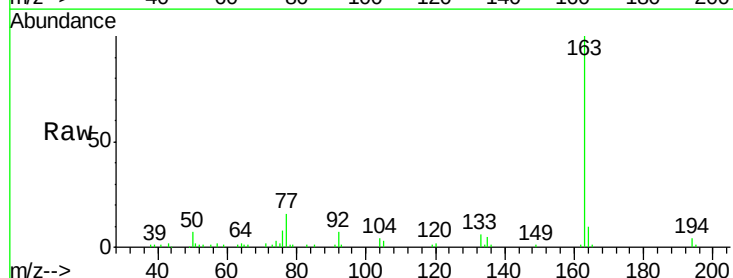
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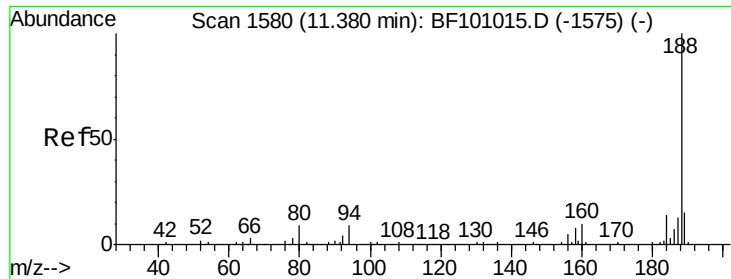
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#49
Dimethylphthalate
Concen: 8.010 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.2	8.2	12.2	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

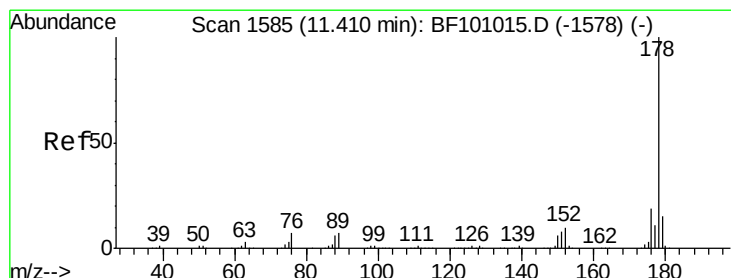
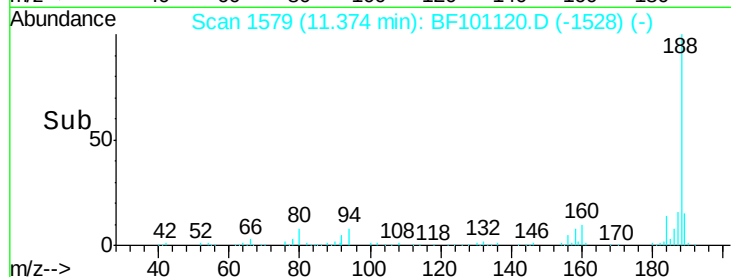
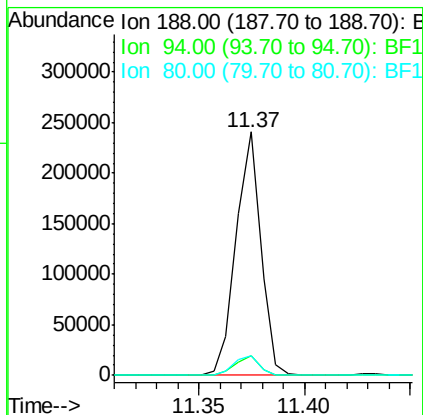
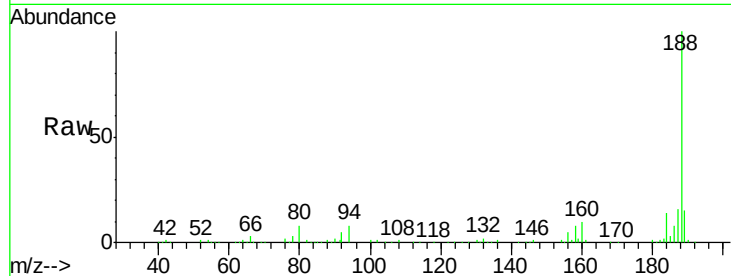
ClientSampleId :

Driveway-Paving-1(0-12)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	195175		
94	7.9	8.5	12.7#	
80	8.1	9.2	13.8#	

Manual Integrations
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#70

Phenanthrene

Concen: 2.667 ng

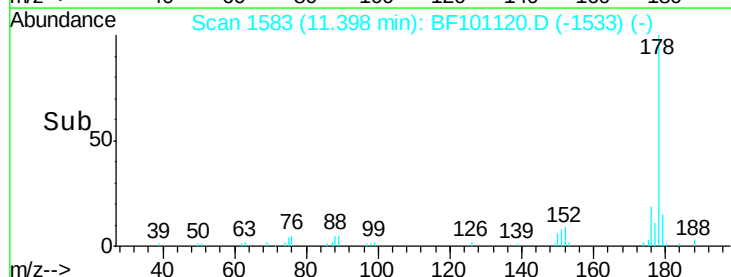
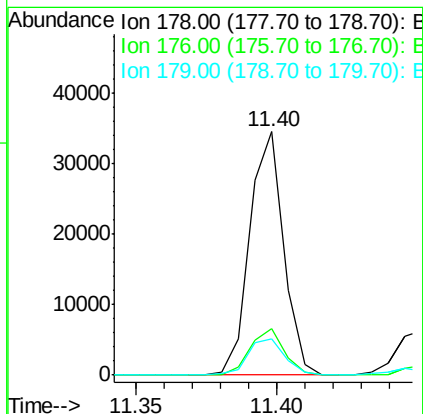
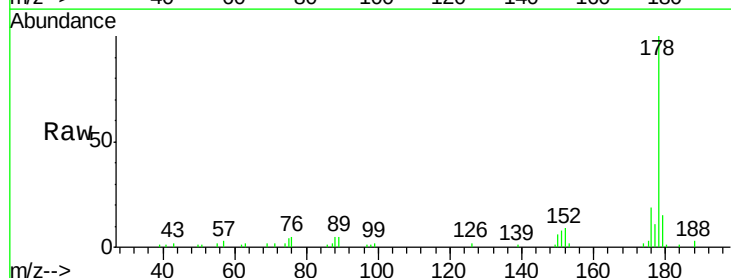
RT: 11.40 min Scan# 1583

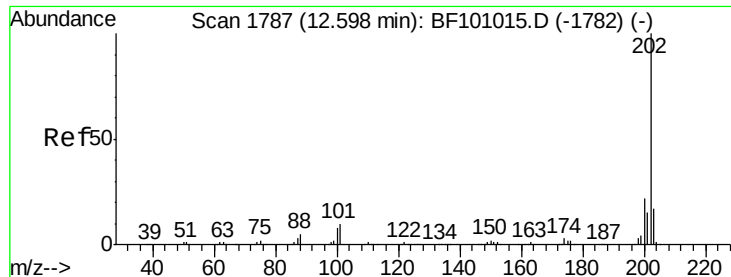
Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	28670		
176	19.2	15.8	23.8	
179	15.1	13.0	19.6	





#74

Fluoranthene

Concen: 7.559 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

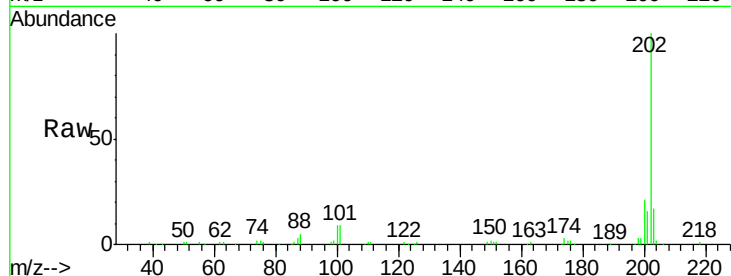
ClientSampleId :

Driveway-Paving-1(0-12)

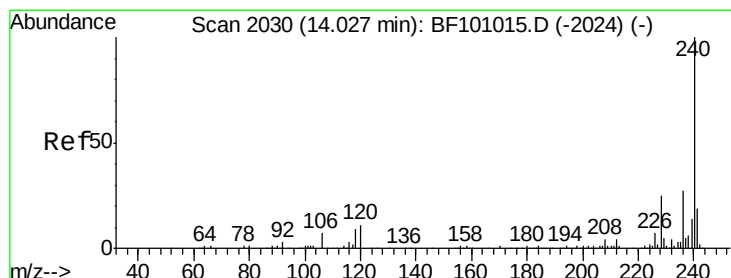
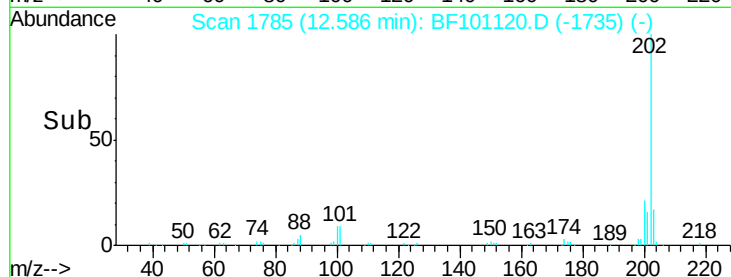
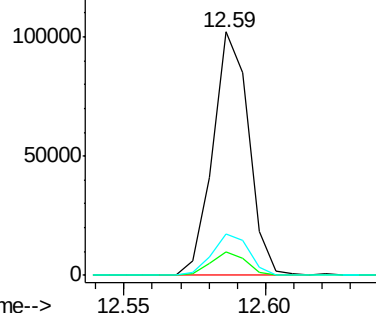
Tot Ion:	202	Resp:	90059
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.0	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

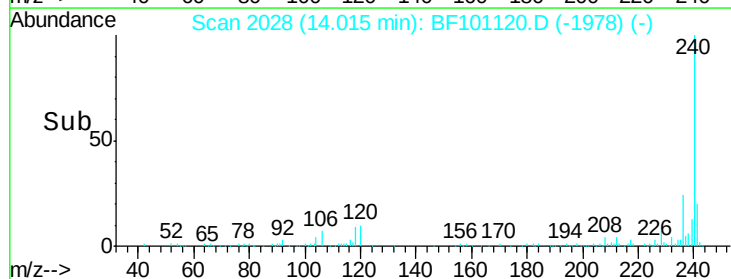
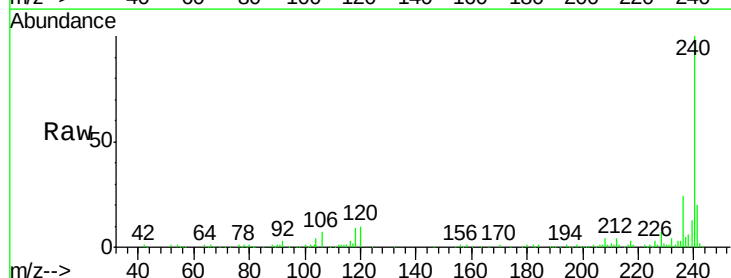
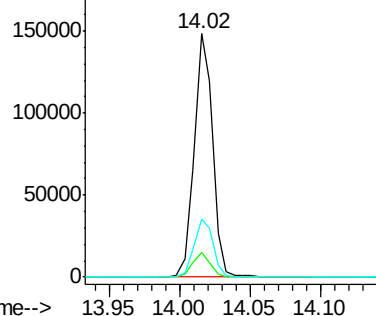
Delta R.T. -0.01 min

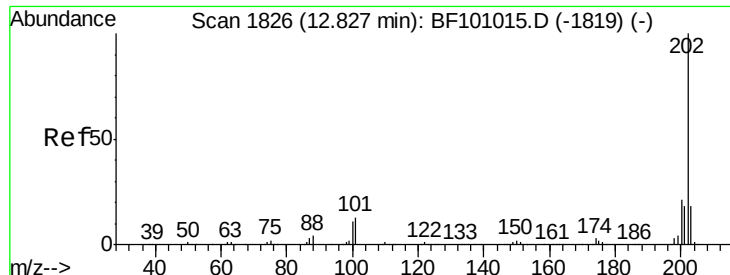
Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tgt Ion:	240	Resp:	134480
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	24.1	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





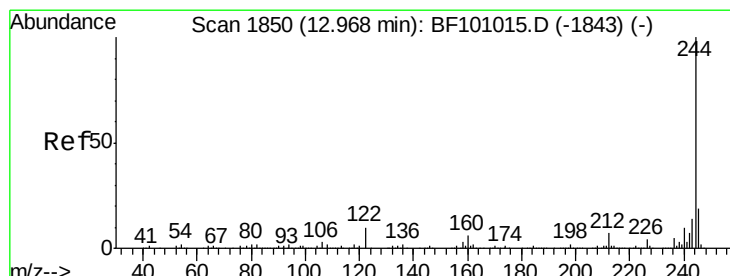
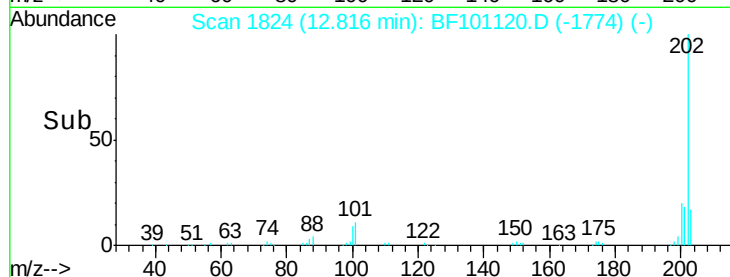
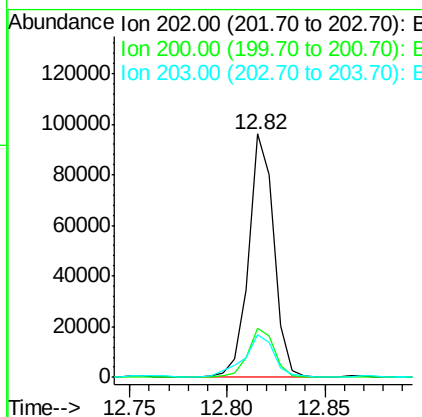
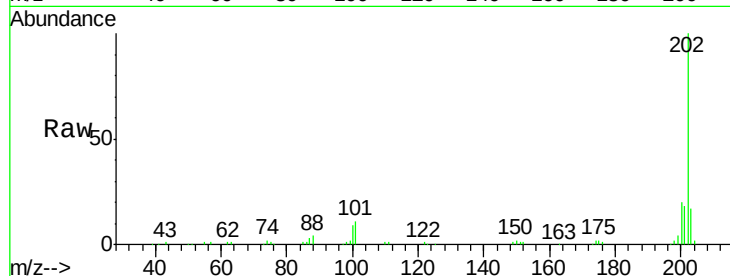
#77
 Pvrene
 Concen: 9.288 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :
 Driveway-Paving-1(0-12)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	17.4	14.3	21.5

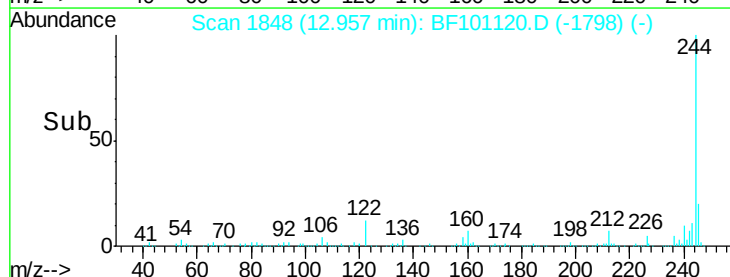
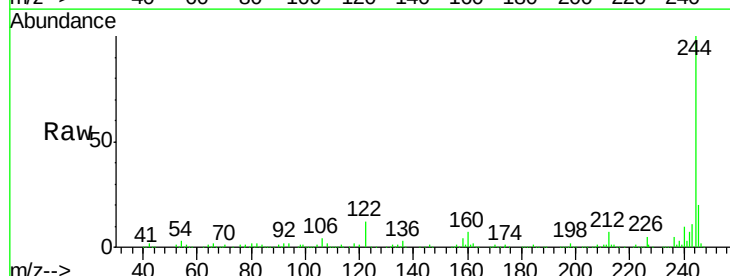
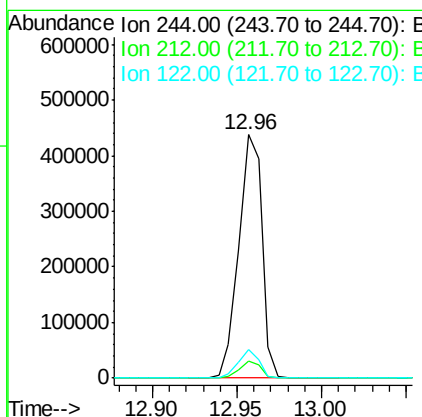
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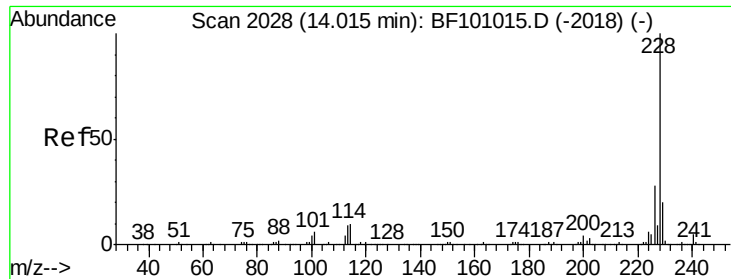
Sohil
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#78
 Terphenyl-d14
 Concen: 68.443 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.6	11.0	16.4





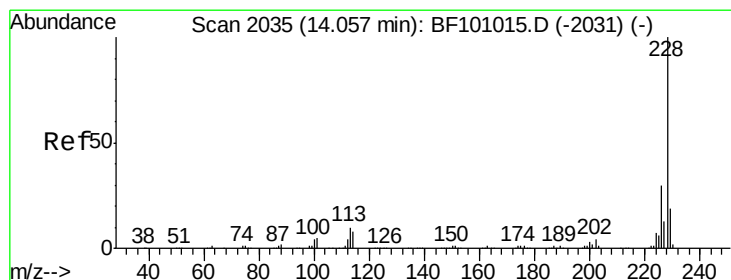
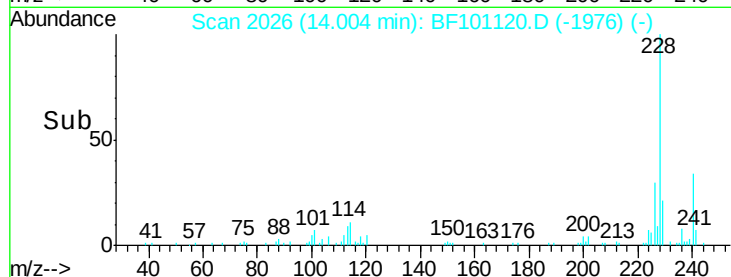
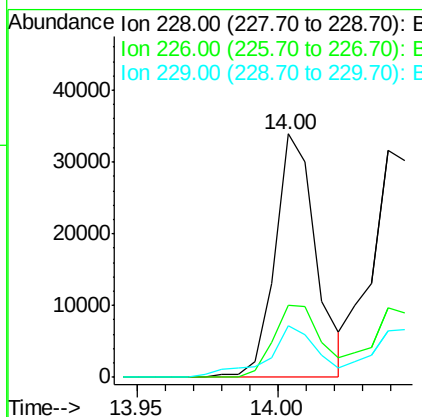
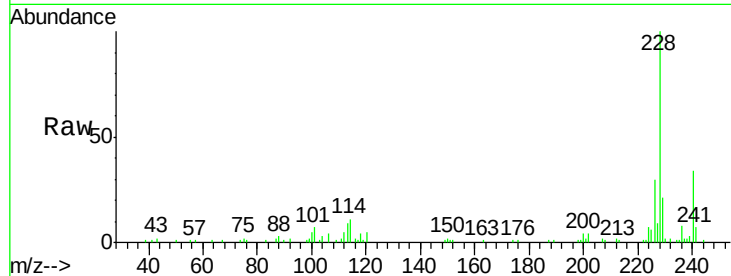
#80
Benzo(a)anthracene
Concen: 4.027 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :
Driveway-Paving-1(0-12)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.2	15.8	23.6

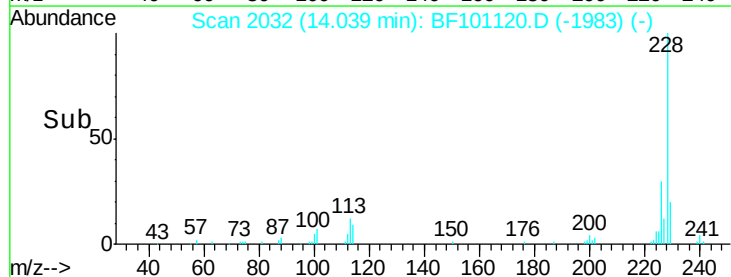
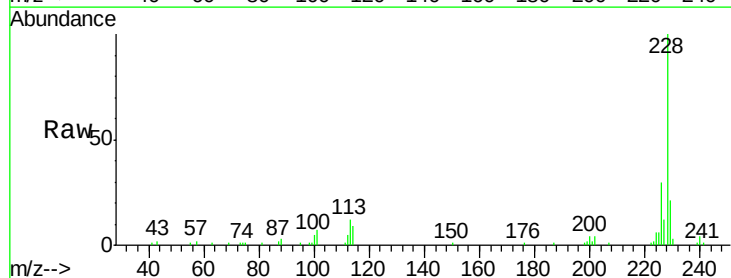
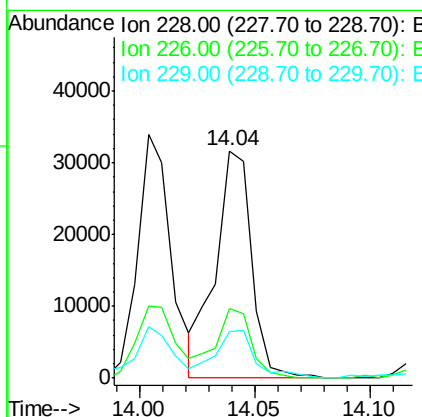
Manual Integrations
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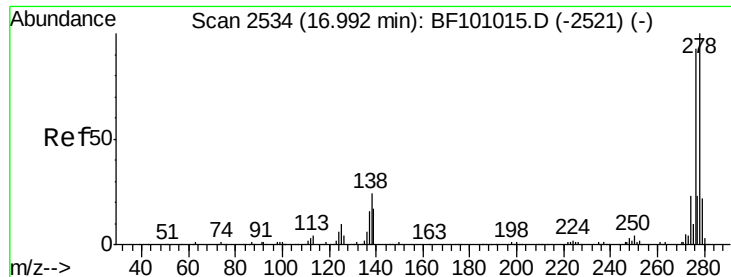
Sohil
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#82
Chrysene
Concen: 4.359 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	20.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.591 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

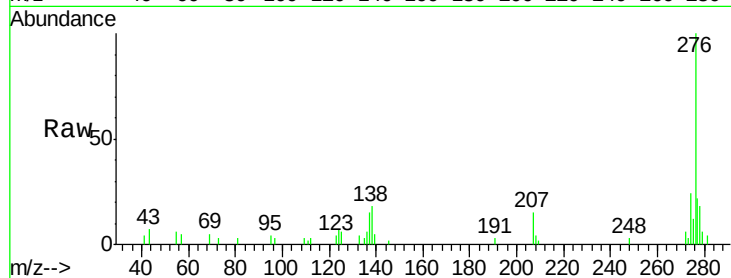
ClientSampleId :

Driveway-Paving-1(0-12)

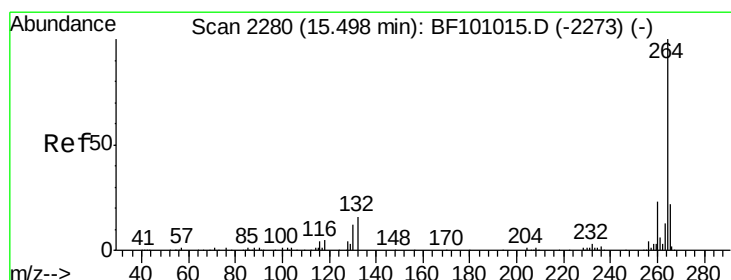
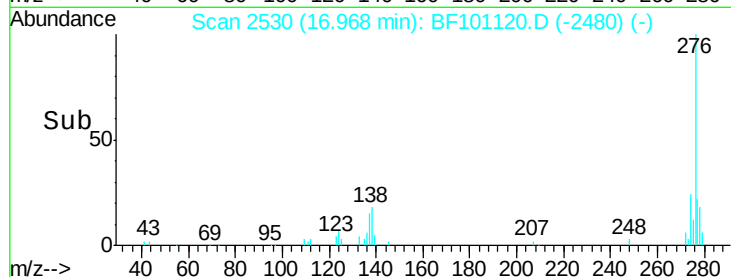
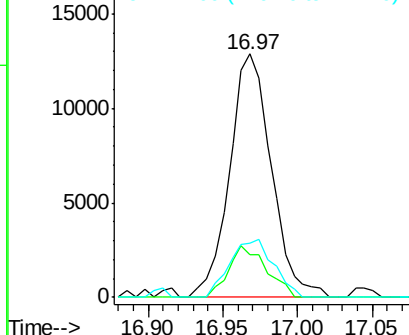
Tot Ion:	276	Resp:	25172
Ion Ratio	Lower	Upper	
276	100		
138	19.2	25.0	37.6#
277	24.9	20.1	30.1

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

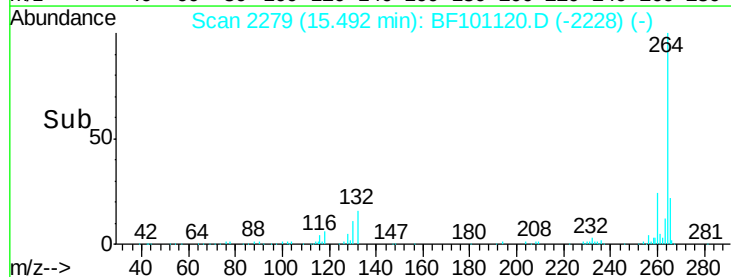
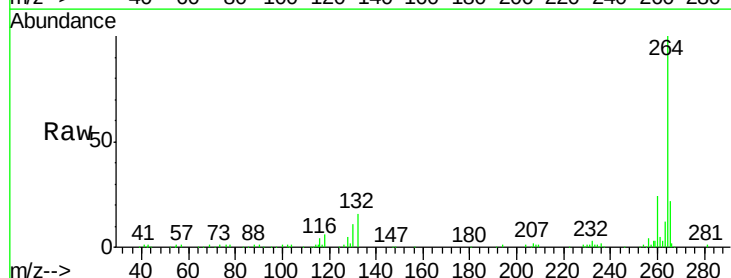
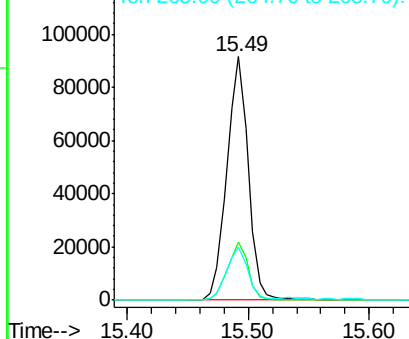
Delta R.T. 0.00 min

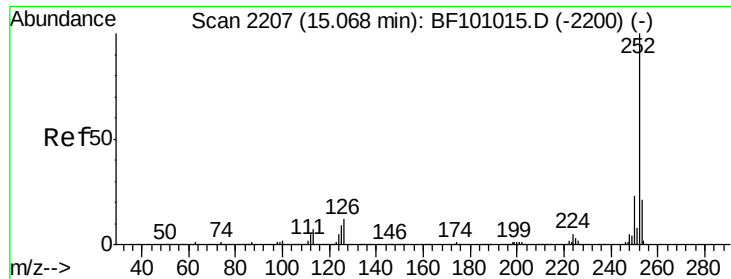
Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tgt Ion:	264	Resp:	113057
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	22.0	17.5	26.3

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: 5.928 ng m

RT: 15.06 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

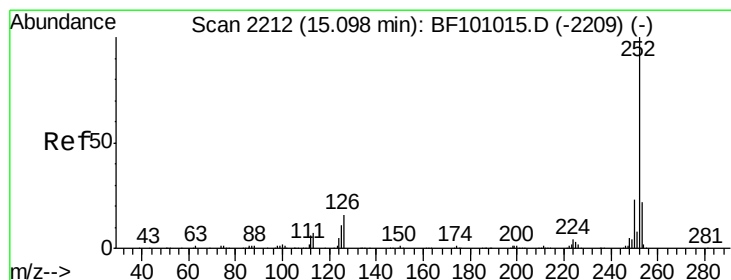
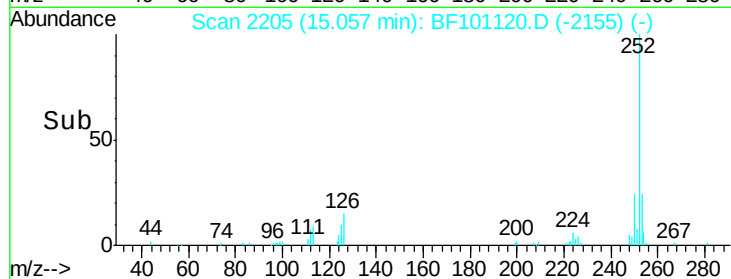
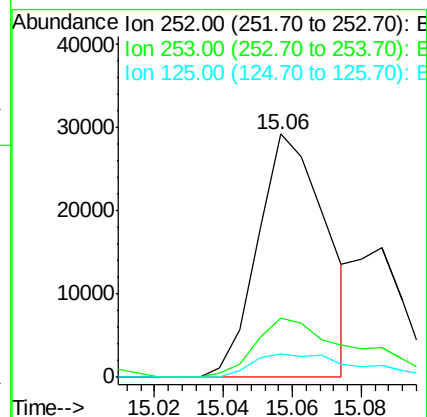
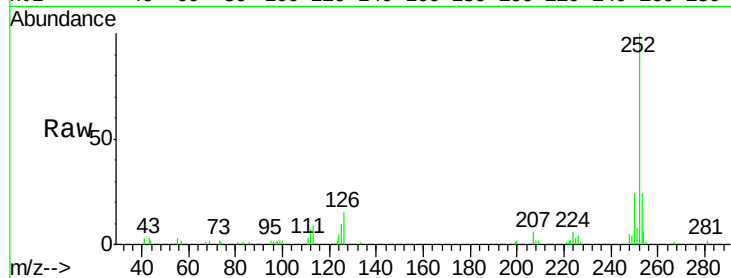
ClientSampleId :

Driveway-Paving-1(0-12)

Tot Ion:	252	Resp:	40140
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.6
125	9.5	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.372 ng m

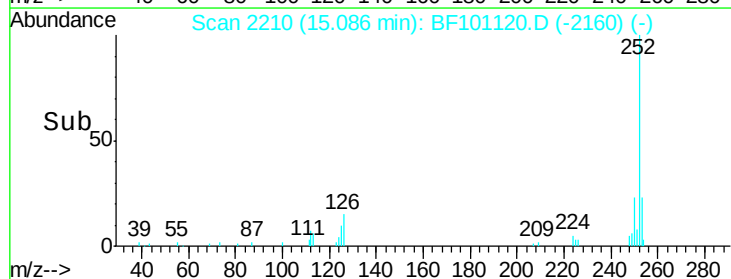
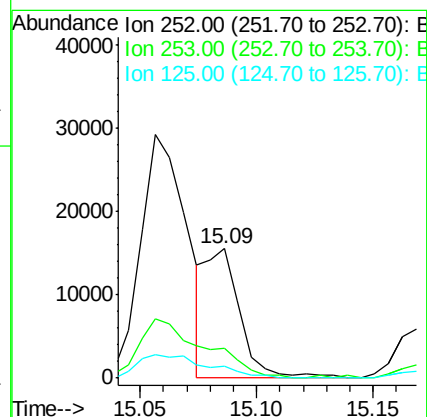
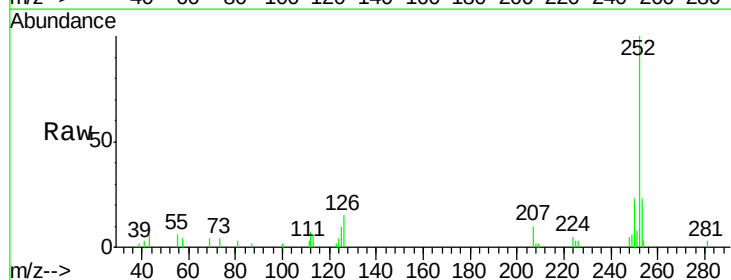
RT: 15.09 min Scan# 2210

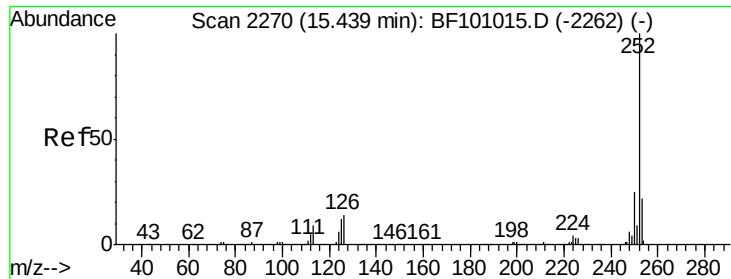
Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tgt Ion:	252	Resp:	15823
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	9.7	10.2	15.2#





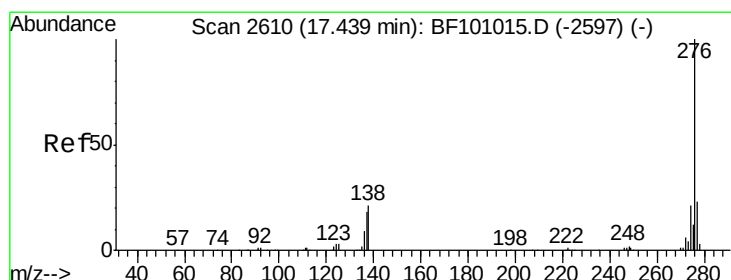
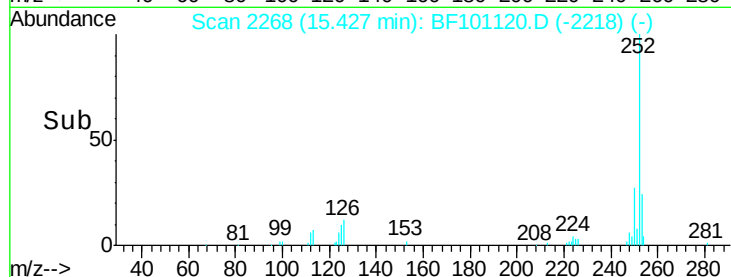
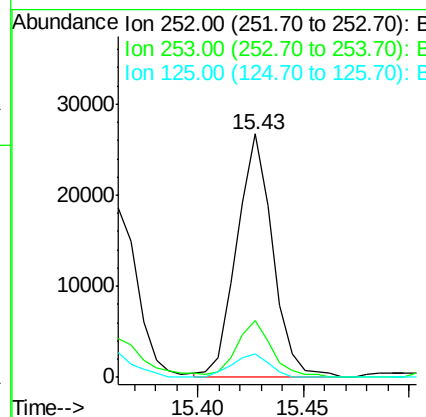
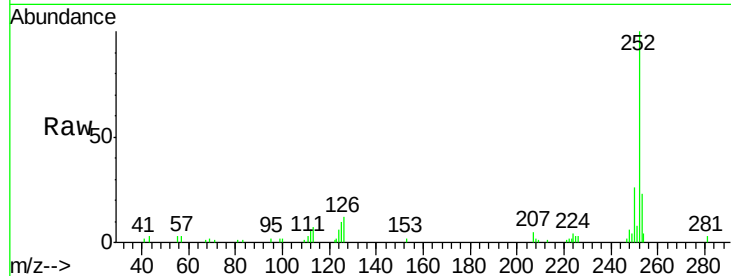
#89
Benzo(a)pyrene
Concen: 5.169 ng/ml
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :
Driveway-Paving-1(0-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	9.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.195 ng/ml
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	21.8	21.8	32.8

