

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\
 Data File : BF092881.D
 Acq On : 9 Feb 2017 11:44
 Operator : SJ/MA
 Sample : I1754-09DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2021-CONCRETE DL

Manual Integrations
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mohammad
 2/10/2017 10:42:32 AM

Quant Time: Feb 09 12:57:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136155m	20.00	ng	-0.08
21) Naphthalene-d8	8.18	136	578422	20.00	ng	-0.08
38) Acenaphthene-d10	9.93	164	304257	20.00	ng	-0.08
63) Phenanthrene-d10	11.41	188	527248	20.00	ng	-0.08
75) Chrysene-d12	14.05	240	435056	20.00	ng	-0.09
86) Perylene-d12	15.51	264	355283	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.52	99	42012	4.11	ng	-0.08
23) Nitrobenzene-d5	7.46	82	157762	15.19	ng	-0.08
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.25	172	346705	20.64	ng	-0.08
78) Terphenyl-d14	13.00	244	357414	19.30	ng	-0.08
Target Compounds						Qvalue
10) Phenol	6.53	94	40915	3.42	ng	# 72
17) 2-Methylphenol	7.15	107	19648	2.62	ng	96
20) 3+4-Methylphenols	7.31	107	52615	5.86	ng	# 70
31) Naphthalene	8.20	128	335463	11.44	ng	99
37) 2-Methylnaphthalene	8.89	142	130321	6.92	ng	99
51) Acenaphthene	9.96	154	159842	8.98	ng	97
54) Dibenzofuran	10.13	168	186101	7.82	ng	97
57) Fluorene	10.48	166	202048	11.03	ng	100
70) Phenanthrene	11.45	178	863847	28.60	ng	97
71) Anthracene	11.49	178	115779	3.82	ng	97
74) Fluoranthene	12.63	202	514692	16.52	ng	96
77) Pvrene	12.85	202	366527	11.26	ng	97
80) Benzo(a)anthracene	14.04	228	104553	3.93	ng	98
82) Chrysene	14.08	228	58504m	2.35	ng	
87) Benzo(b)fluoranthene	15.08	252	47678m	2.04	ng	

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

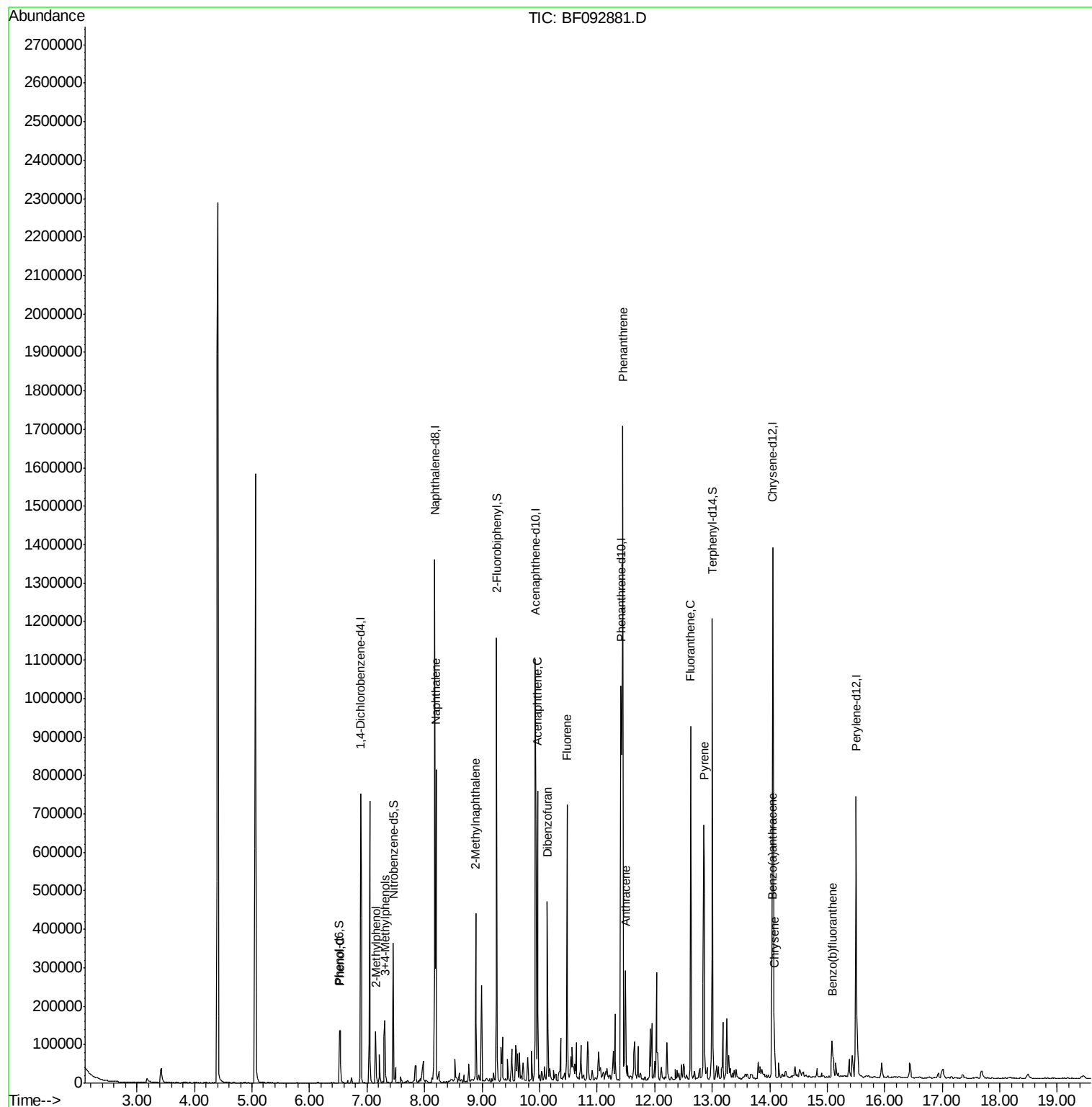
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\
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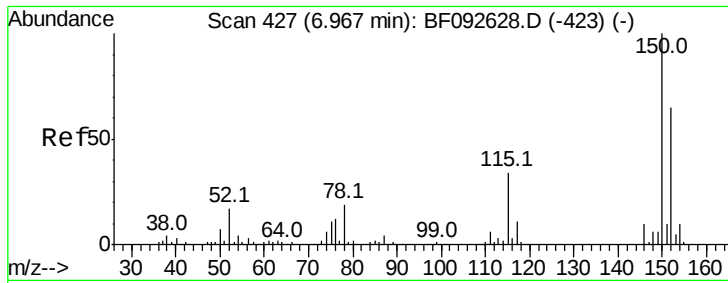
Instrument :
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#1

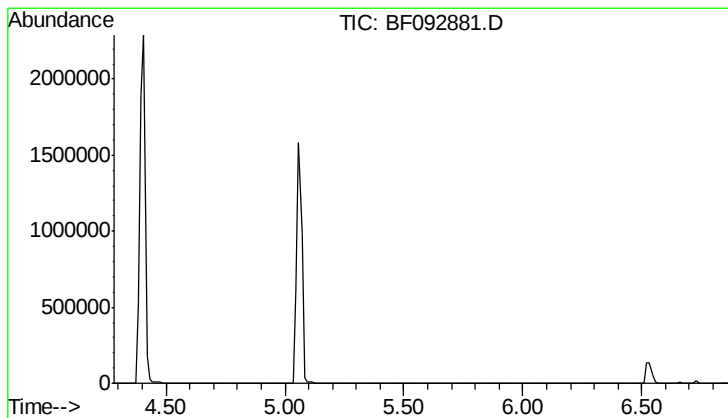
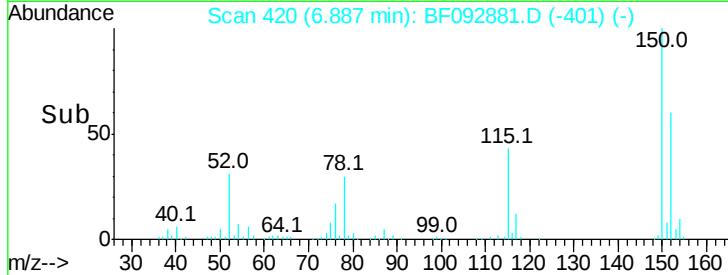
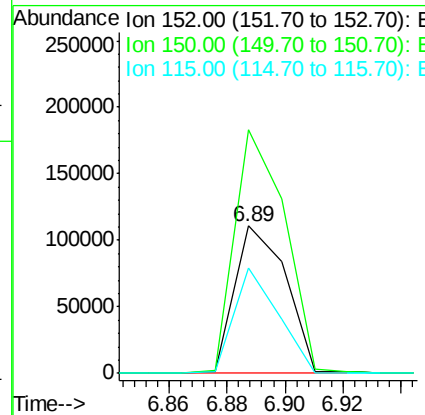
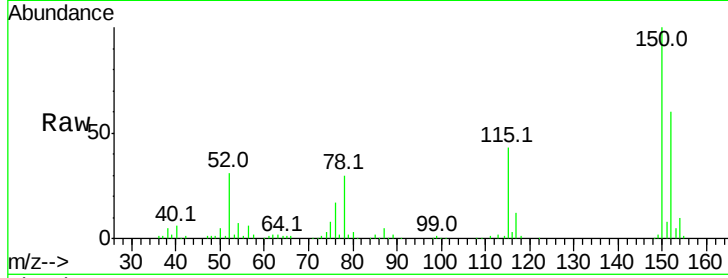
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.89 min Scan# 420
 Delta R.T. -0.08 min
 Lab File: BF092881.D
 Acq: 9 Feb 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2021-CONCRETE DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	124.9	187.3
115	71.5	46.0	69.0

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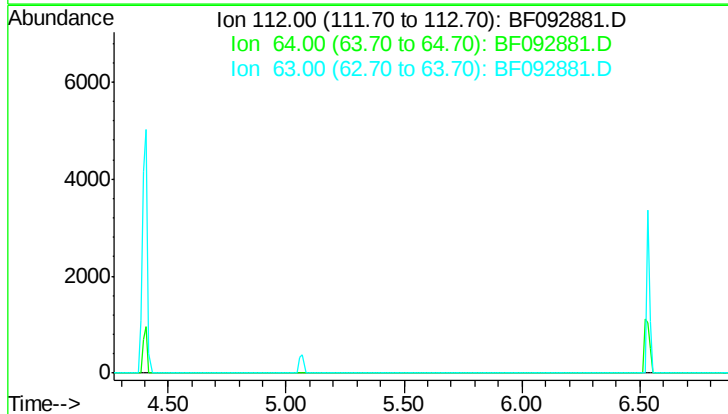


#5

2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.57 min

Lab File: BF092881.D
 Acq: 9 Feb 2017 11:44

Tgt Ion	Exp Ratio
112	100
64	57.6
63	29.7





#7

Phenol-d6

Concen: 4.11 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.08 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Instrument :

BNA_F

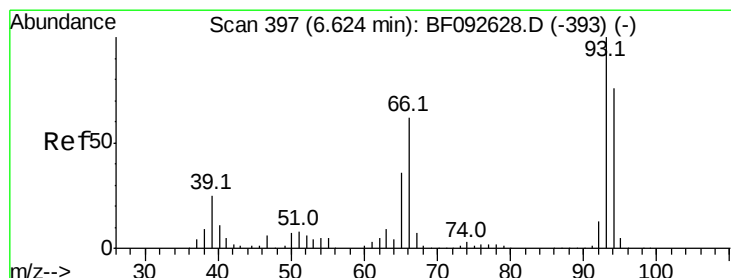
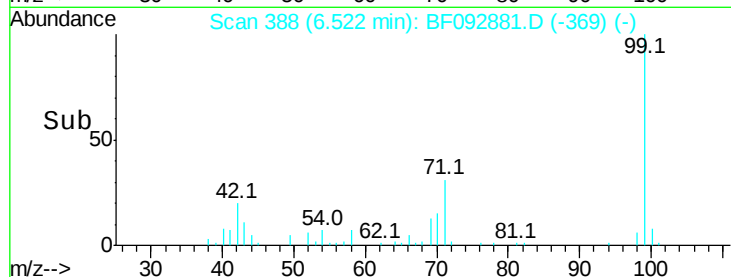
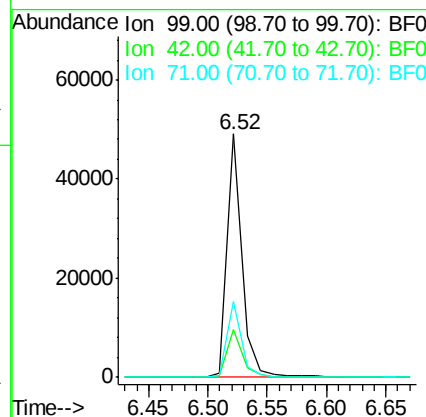
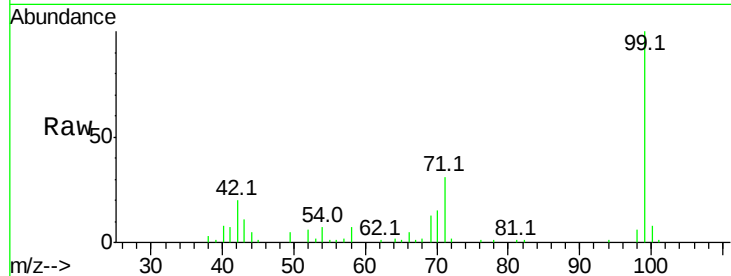
ClientSampleId :

E2-B1-B2021-CONCRETE DL

Tot Ion:	99	Resp:	42012
Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.6	23.4
71	31.2	27.5	41.3

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#10

Phenol

Concen: 3.42 ng

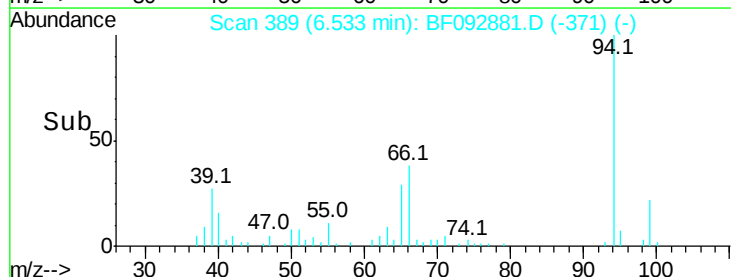
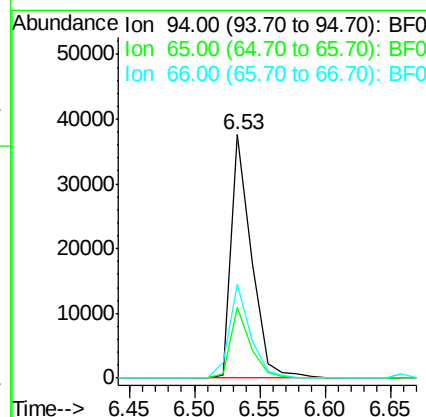
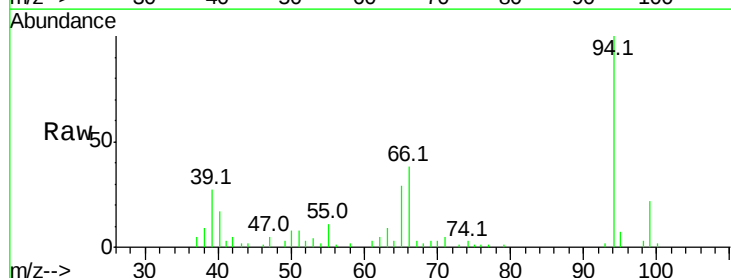
RT: 6.53 min Scan# 389

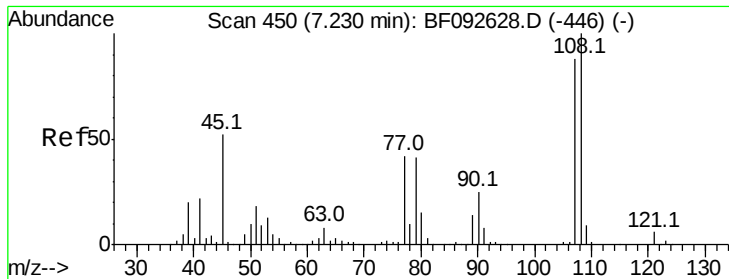
Delta R.T. -0.09 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Tgt Ion:	94	Resp:	40915
Ion	Ratio	Lower	Upper
94	100		
65	28.9	21.4	61.4
66	38.4	44.0	84.0#





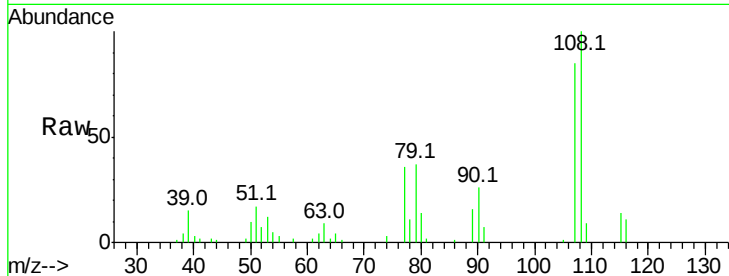
#17
2-Methylphenol
Concen: 2.62 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETE DL

Tot Ion	107	Resp	19648
Ion	Ratio	Lower	Upper
107	100		
108	117.1	93.0	139.6
77	42.5	39.8	59.8
79	43.1	38.0	57.0

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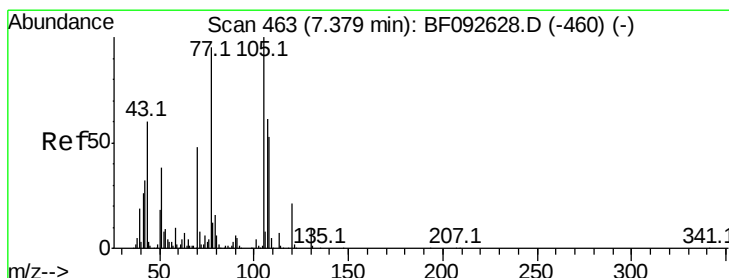
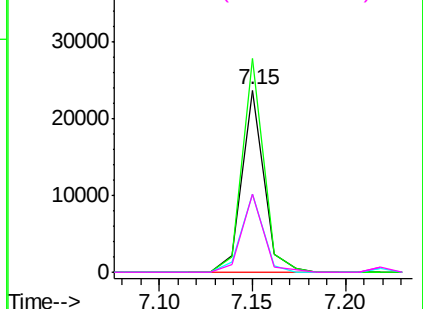
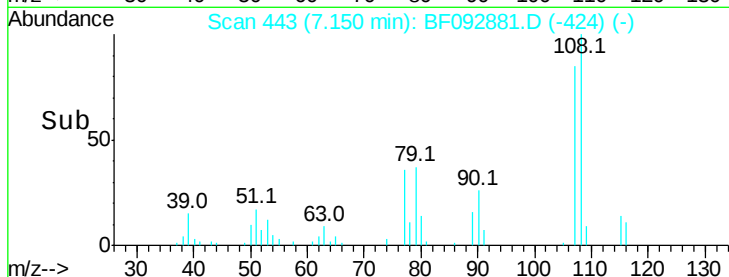
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

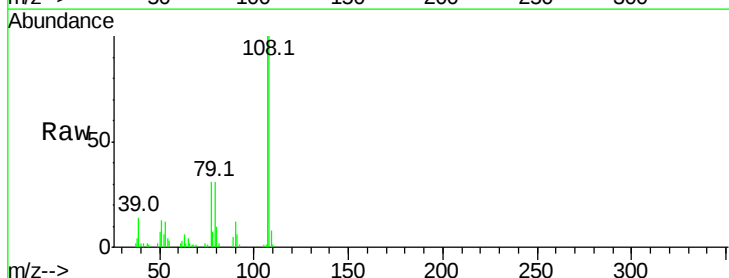
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20
3+4-Methylphenols
Concen: 5.86 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.07 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion	107	Resp	52615
Ion	Ratio	Lower	Upper
107	100		
108	100.1	73.0	113.0
77	30.8	71.3	111.3#
79	30.9	11.1	51.1



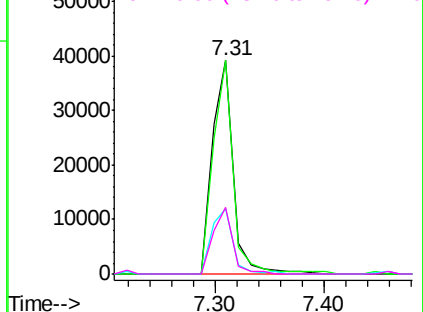
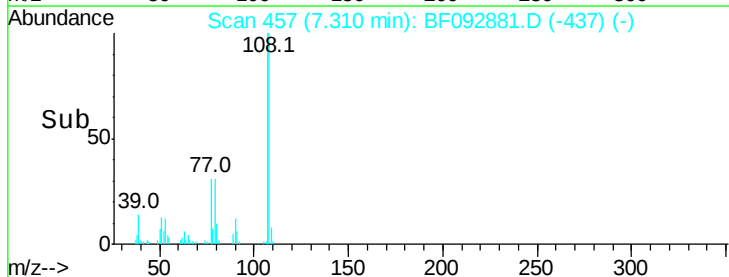
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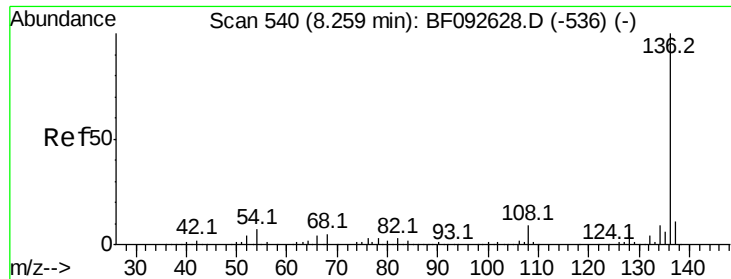
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





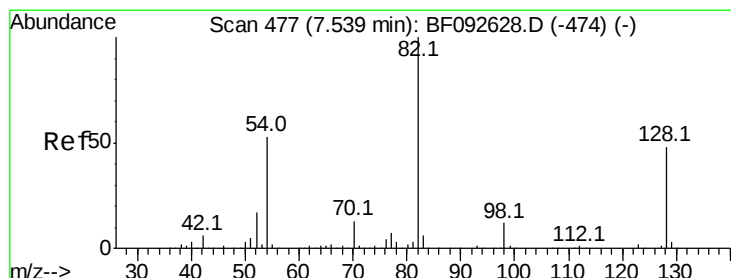
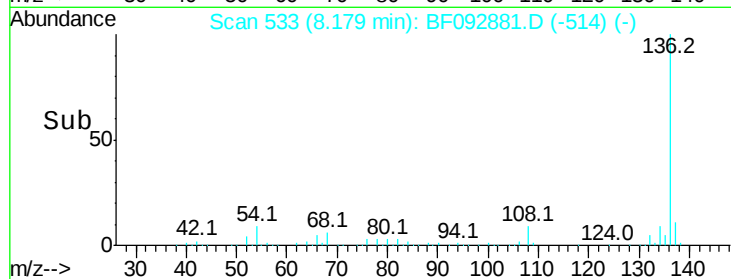
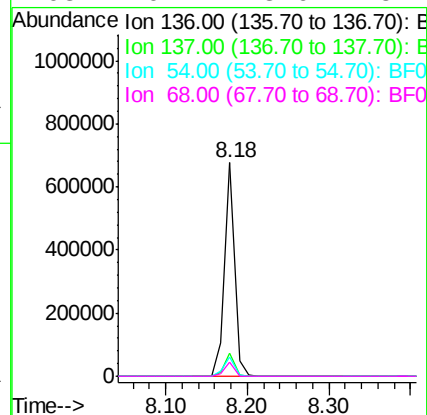
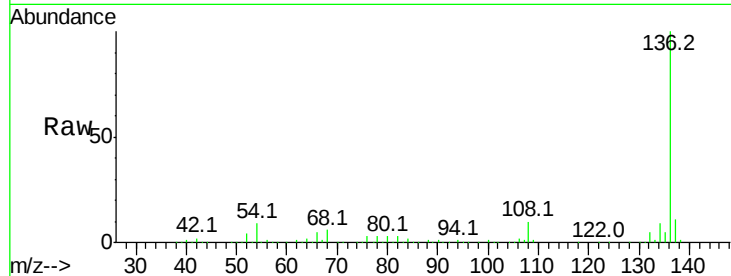
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETE DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	9.2	4.5	6.7	
68	6.4	3.6	5.4	

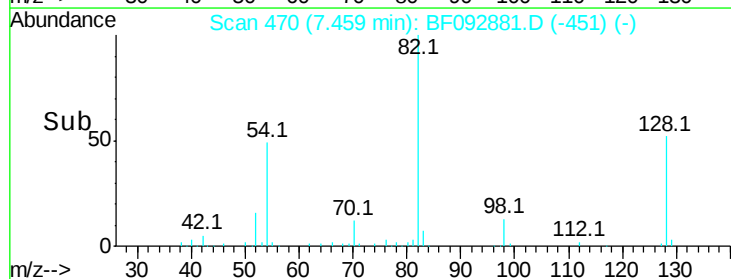
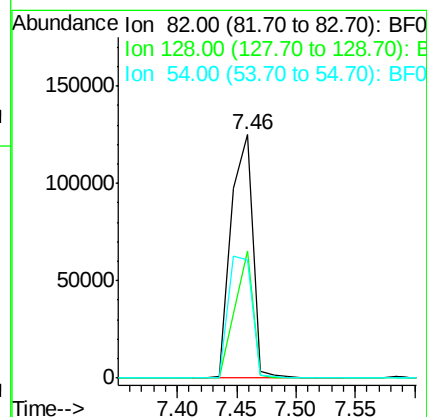
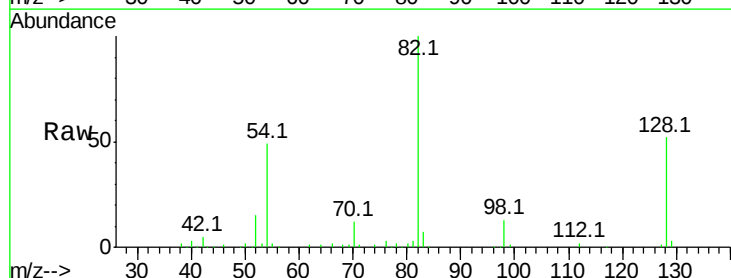
Manual Integrations
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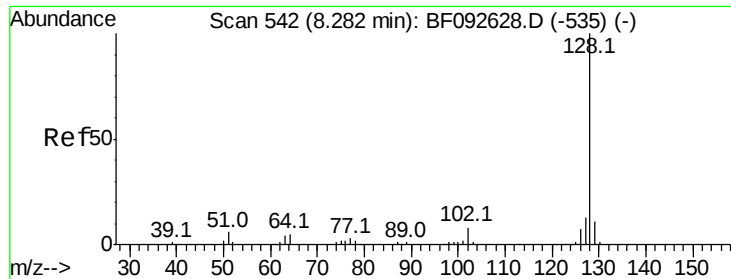
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#23
Nitrobenzene-d5
Concen: 15.19 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.2	34.6	52.0	
54	48.7	39.5	59.3	





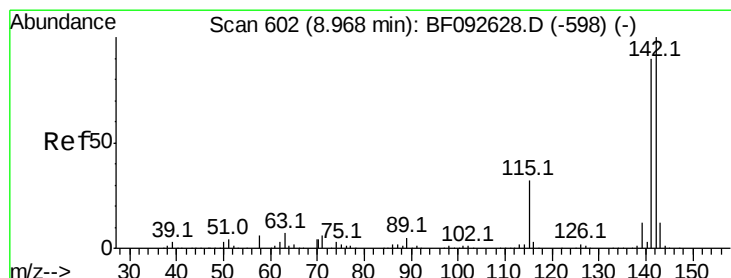
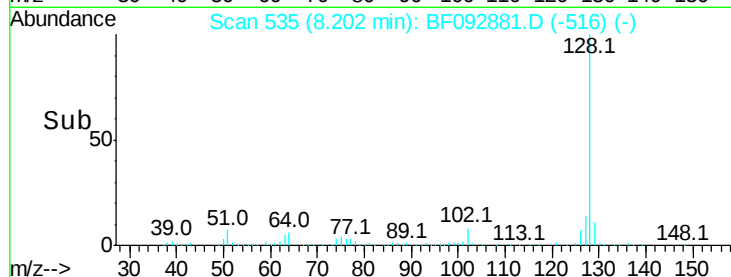
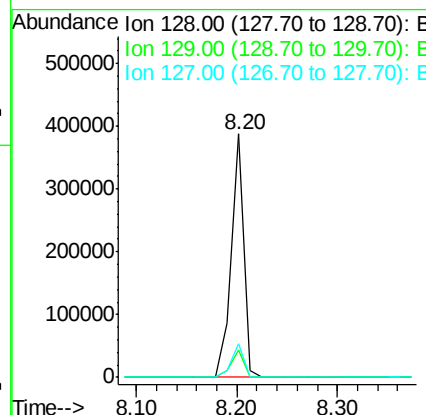
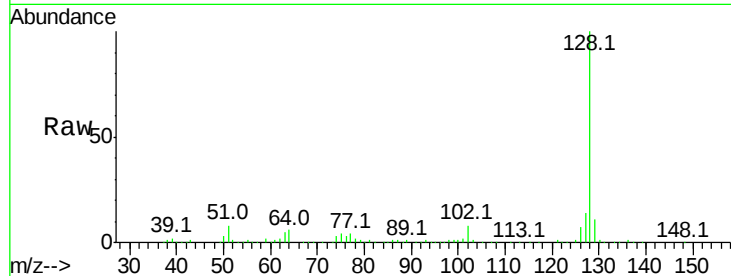
#31
Naphthalene
Concen: 11.44 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETE DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	13.6	10.8	16.2

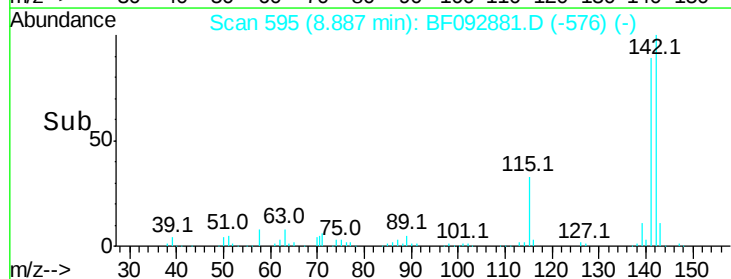
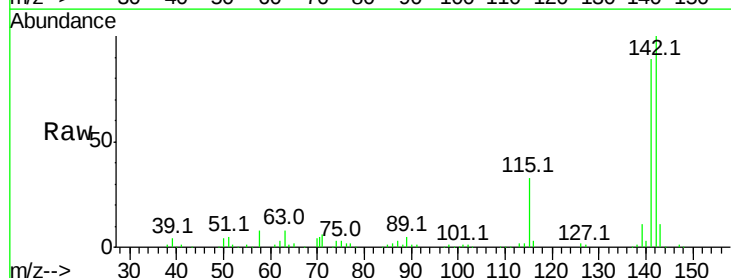
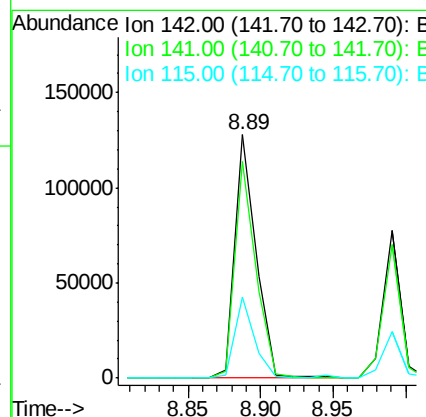
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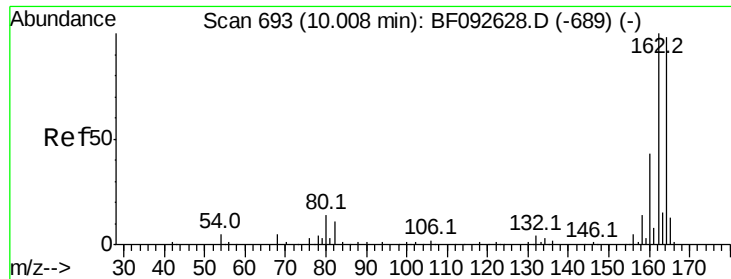
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#37
2-Methylnaphthalene
Concen: 6.92 ng
RT: 8.89 min Scan# 595
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.6
115	33.2	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.08 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Instrument :

BNA_F

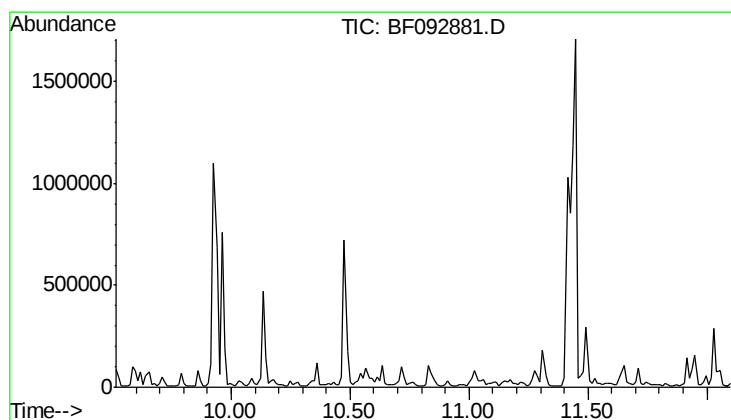
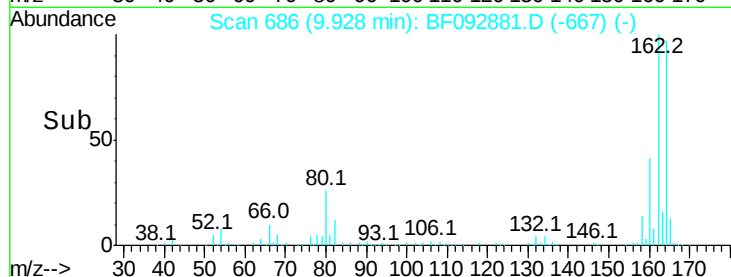
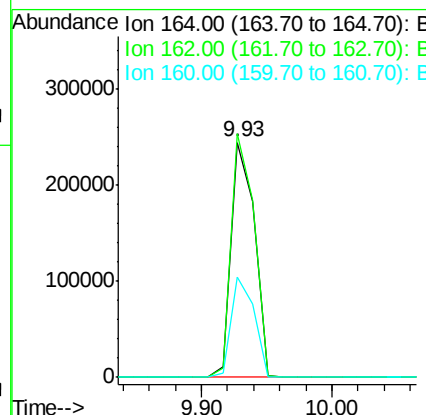
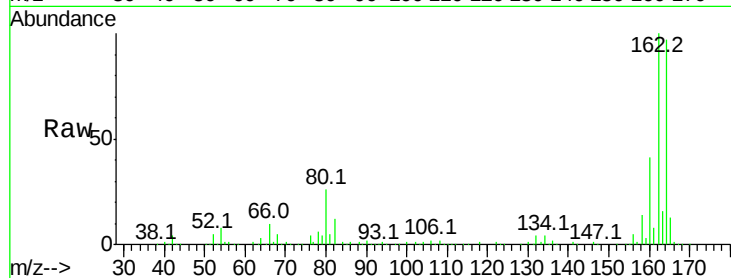
ClientSampleId :

E2-B1-B2021-CONCRETE DL

Tot Ion:	164	Resp:	304257
Ion Ratio	Lower	Upper	
164	100		
162	103.5	80.2	120.2
160	42.8	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.81 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

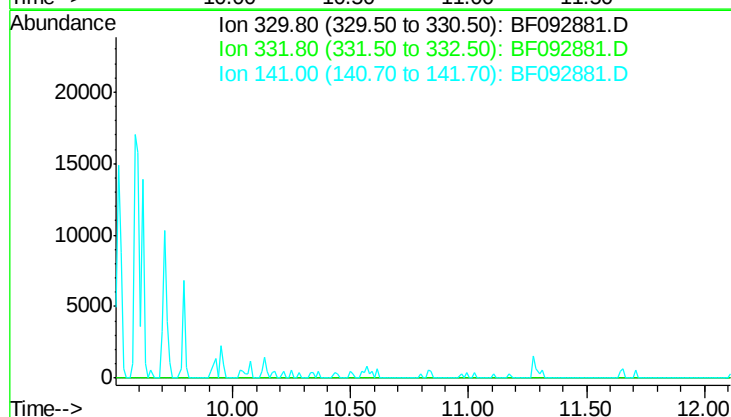
Tgt Ion: 330

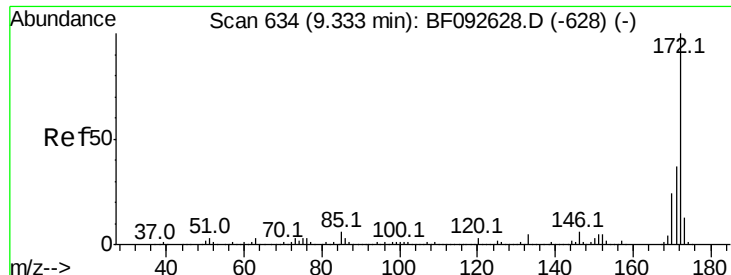
Sig Exp Ratio

330 100

332 96.8

141 42.6





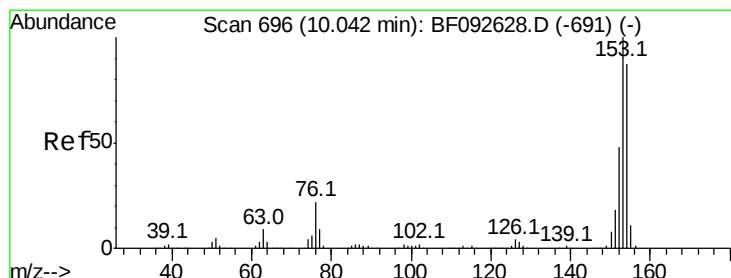
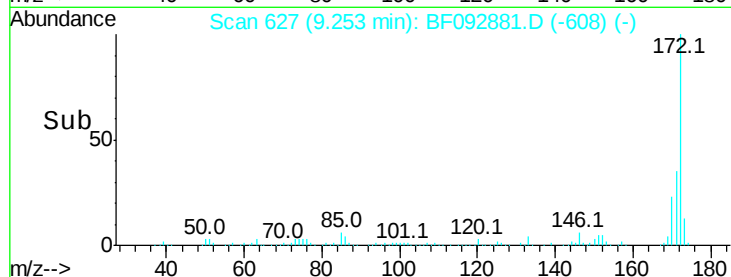
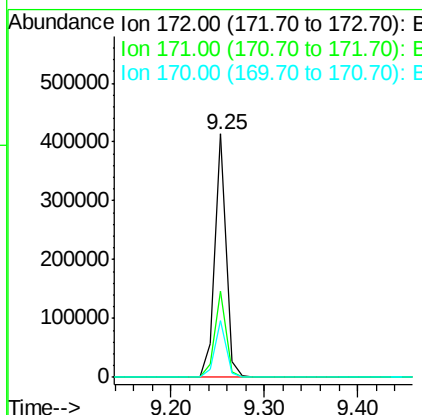
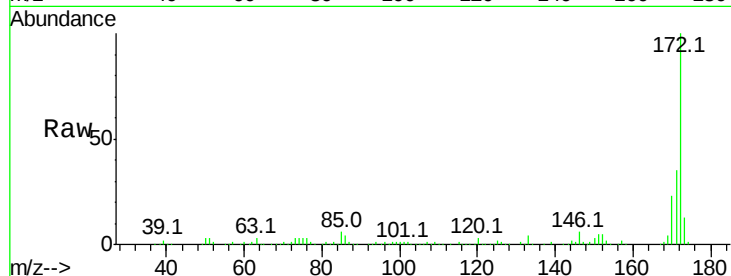
#44
2-Fluorobiphenyl
Concen: 20.64 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETE DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.4	44.0	
170	23.2	20.2	30.4	

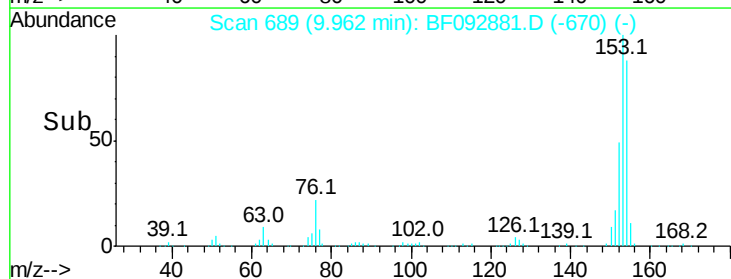
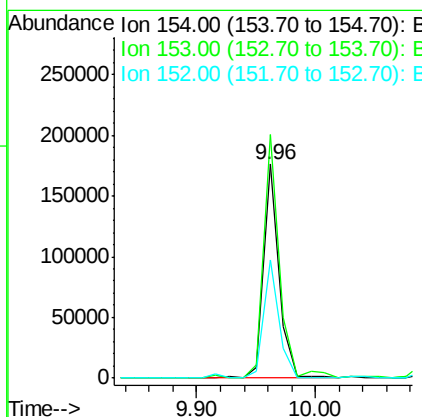
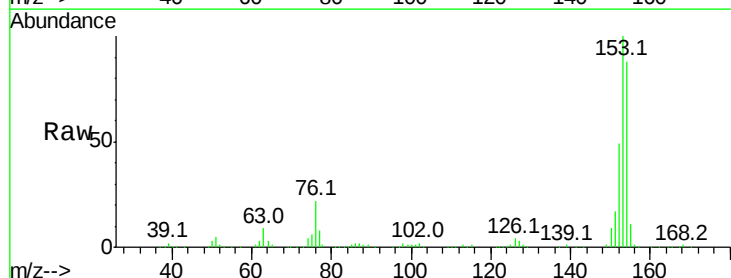
Manual Integrations
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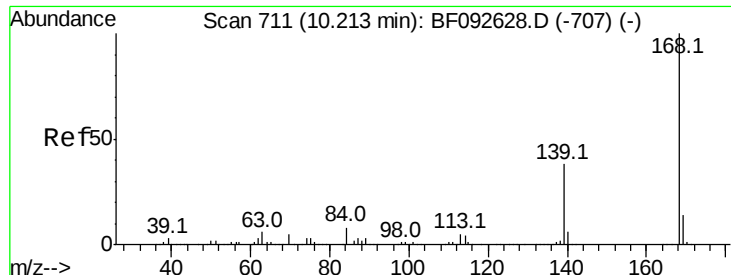
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#51
Acenaphthene
Concen: 8.98 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.8	88.6	133.0	
152	55.3	41.6	62.4	





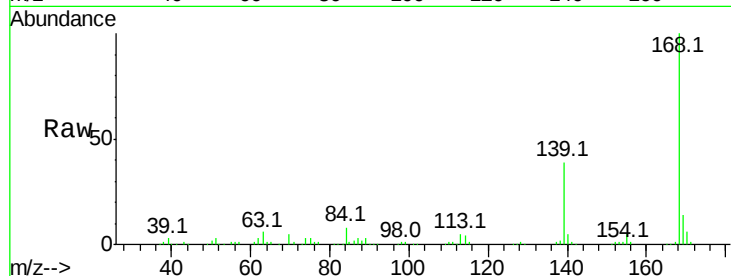
#54
Dibenzenofuran
Concen: 7.82 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETEDL

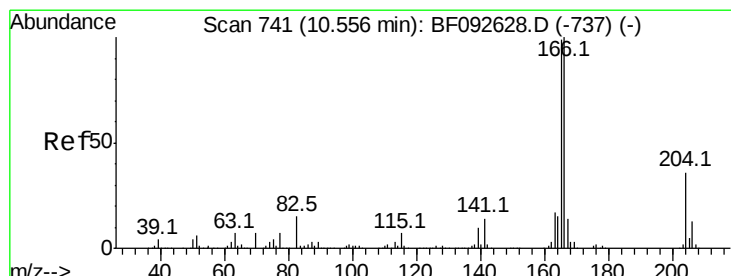
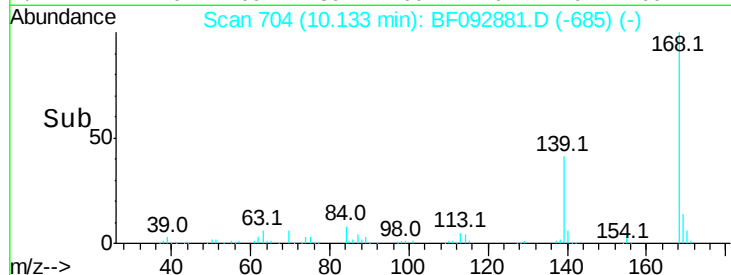
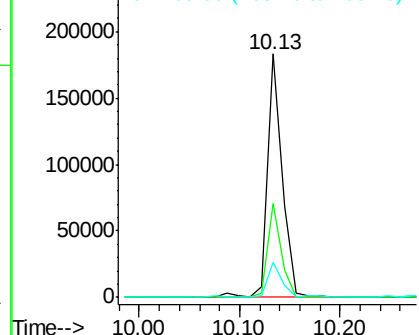
Tot Ion	Ratio	Resp	Lower	Upper
168	100	186101		
139	38.7	32.6	49.0	
169	14.3	11.3	16.9	

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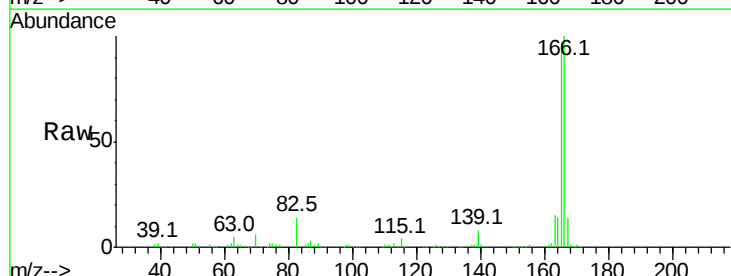


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

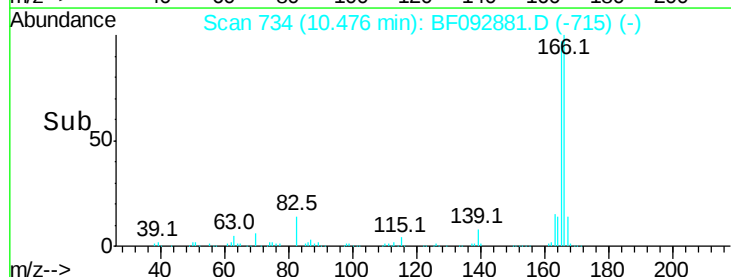
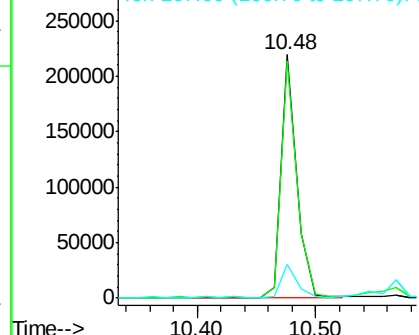


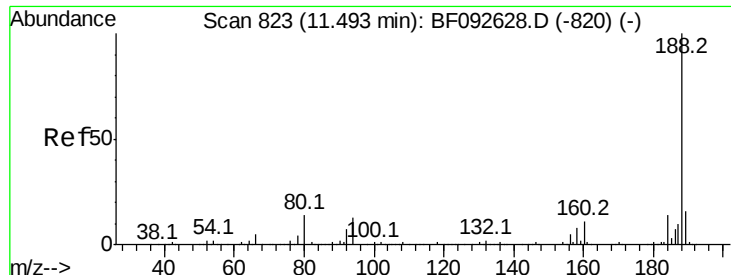
#57
Fluorene
Concen: 11.03 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	202048		
165	97.2	77.8	116.8	
167	14.0	10.8	16.2	



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





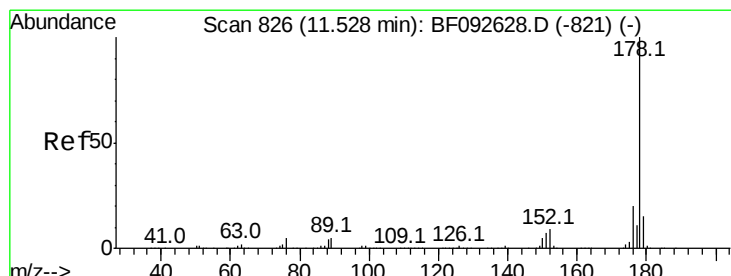
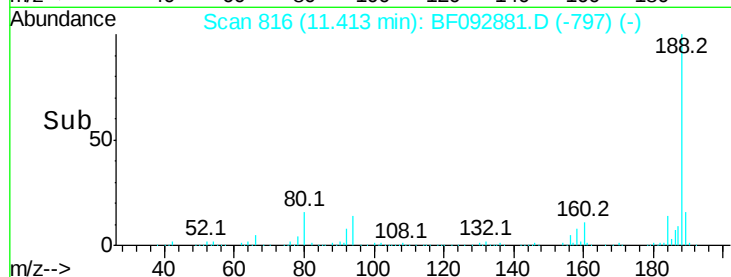
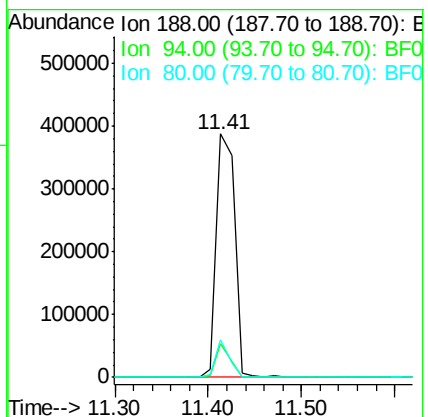
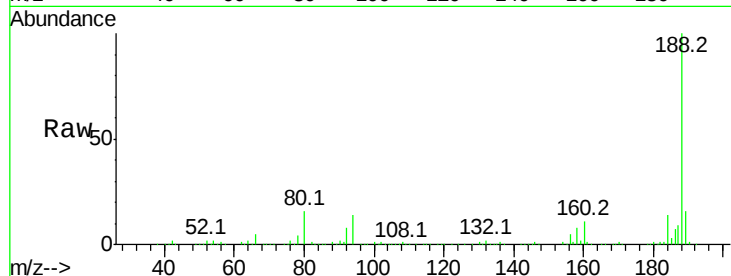
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETE DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	527248		
94	14.0		10.0	15.0
80	15.6		11.2	16.8

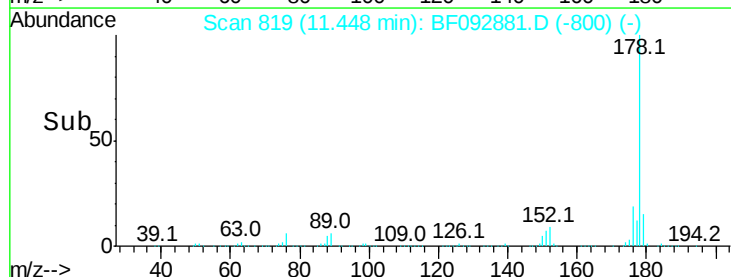
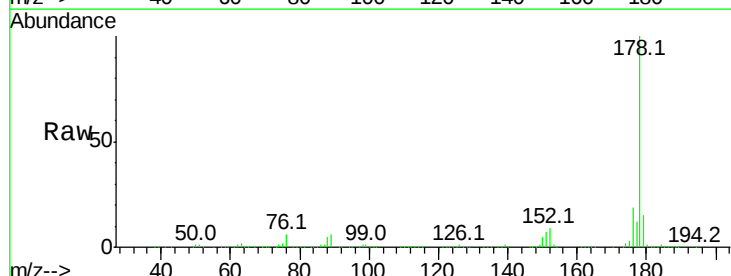
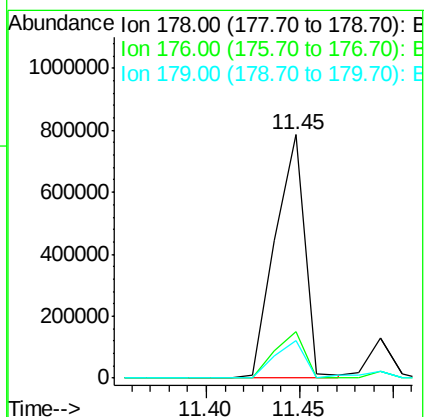
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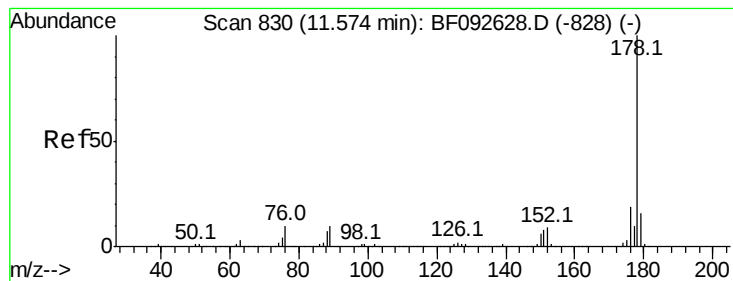
mohammad
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#70
Phenanthrene
Concen: 28.60 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.08 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	863847		
176	19.3		16.6	25.0
179	15.3		12.8	19.2





#71

Anthracene

Concen: 3.82 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.08 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Instrument :

BNA_F

ClientSampleId :

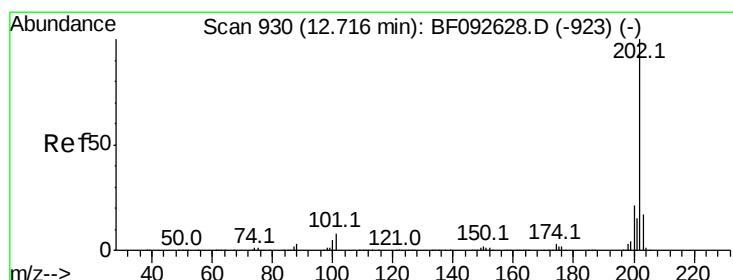
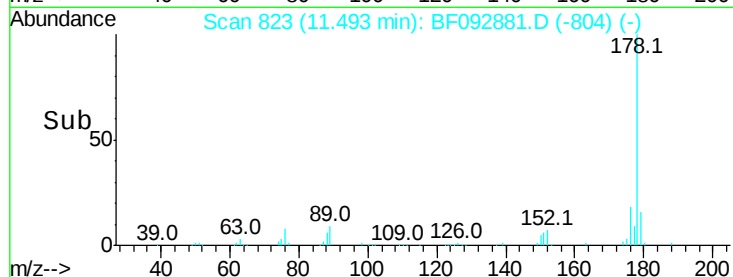
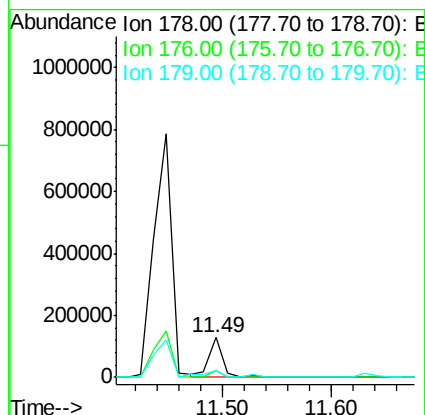
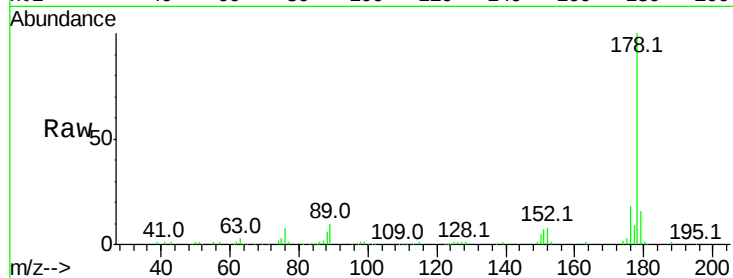
E2-B1-B2021-CONCRETE DL

Tot Ion:178 Resp: 115779

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	15.9	13.2	19.8

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#74

Fluoranthene

Concen: 16.52 ng

RT: 12.63 min Scan# 922

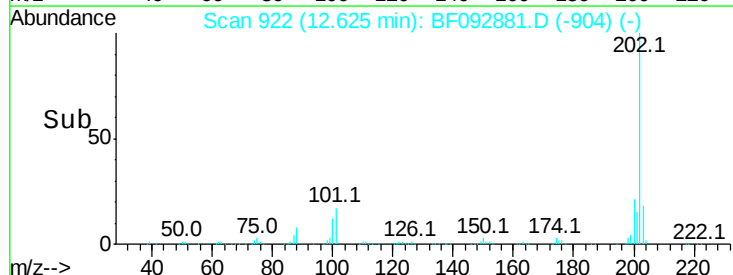
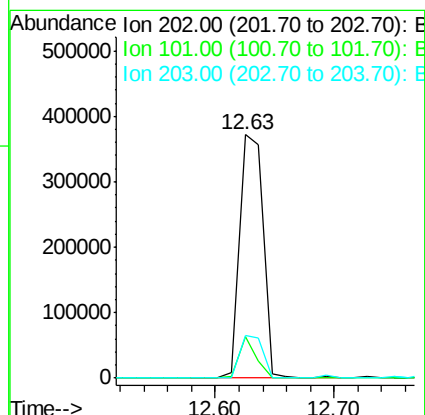
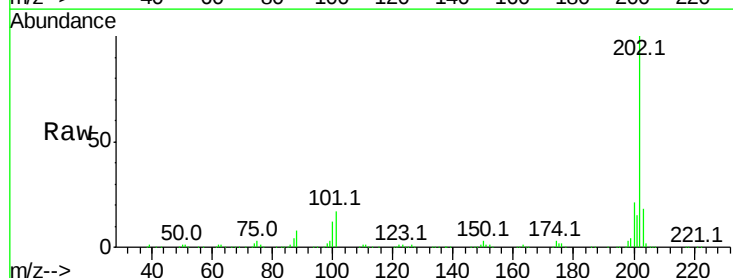
Delta R.T. -0.09 min

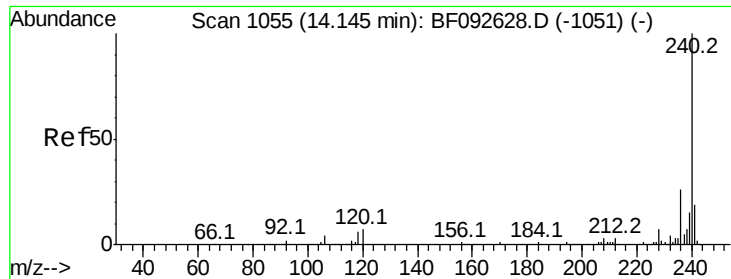
Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Tgt Ion:202 Resp: 514692

Ion	Ratio	Lower	Upper
202	100		
101	17.0	0.0	34.6
203	17.6	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.09 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Instrument :

BNA_F

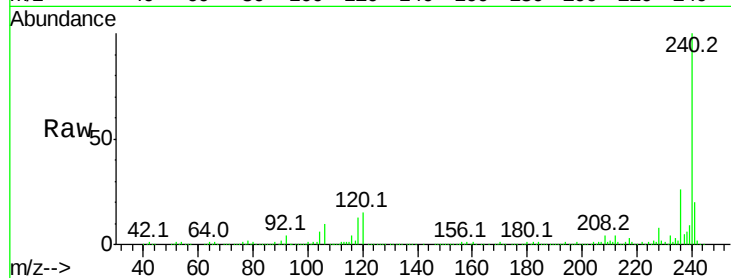
ClientSampleId :

E2-B1-B2021-CONCRETE

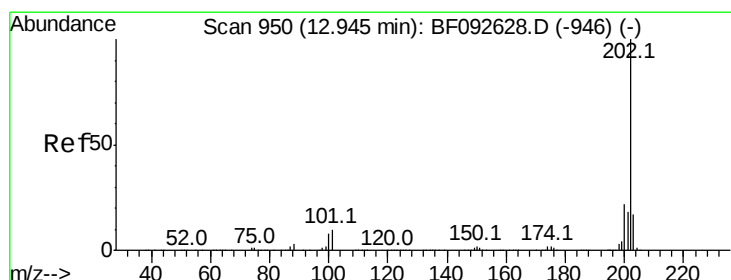
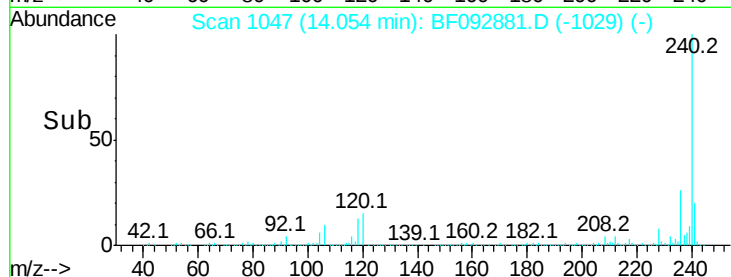
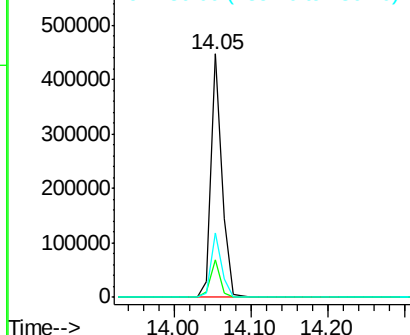
Tot Ion:	240	Resp:	435056
Ion Ratio	Lower	Upper	
240	100		
120	15.3	12.9	19.3
236	26.4	20.9	31.3

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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

Pyrene

Concen: 11.26 ng

RT: 12.85 min Scan# 942

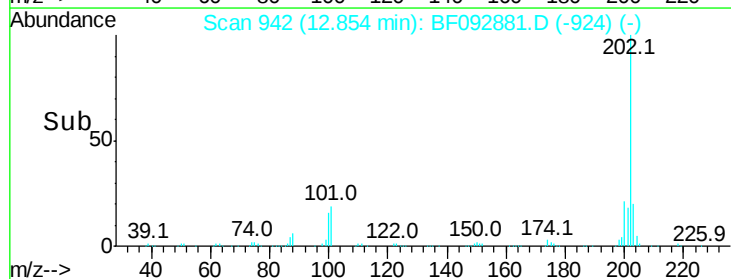
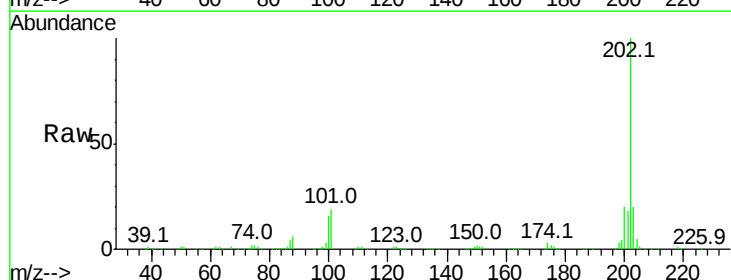
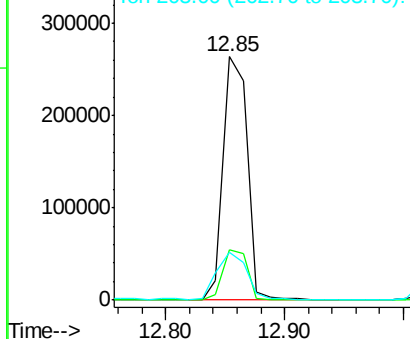
Delta R.T. -0.09 min

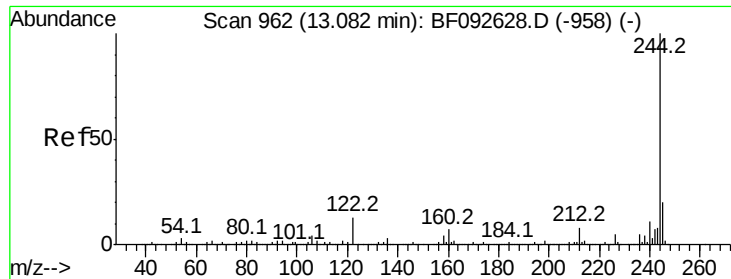
Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Tgt Ion:	202	Resp:	366527
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.7	26.5
203	19.8	14.7	22.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.30 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.08 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Instrument :

BNA_F

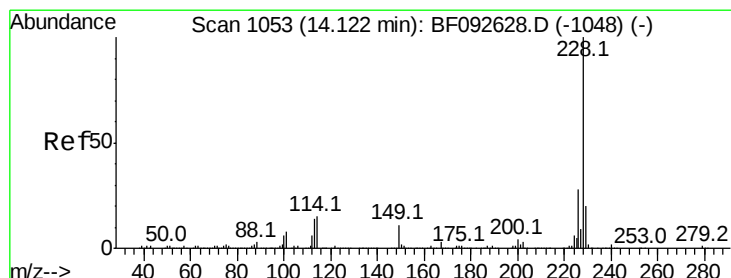
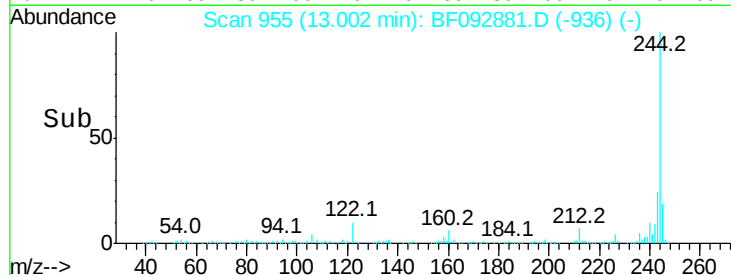
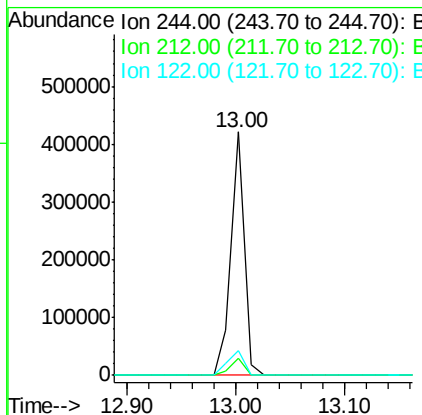
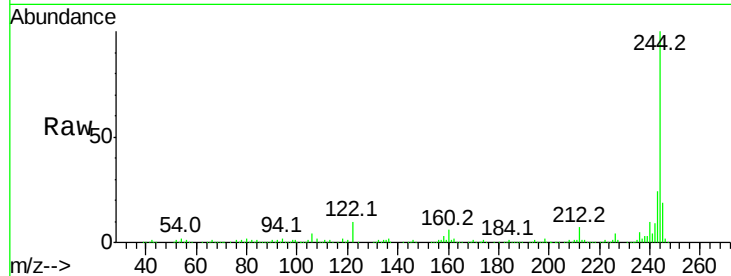
ClientSampleId :

E2-B1-B2021-CONCRETE DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	10.0	11.4	17.2#

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#80

Benzo(a)anthracene

Concen: 3.93 ng

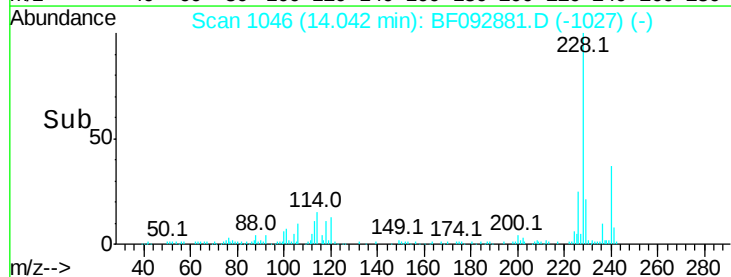
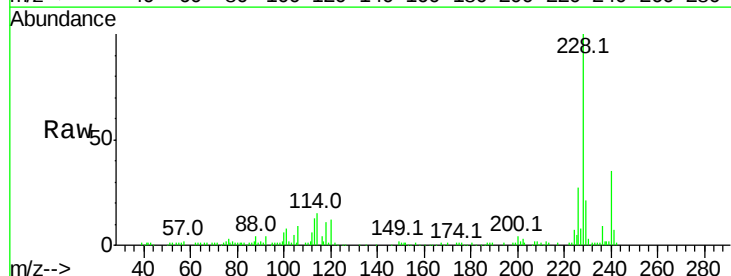
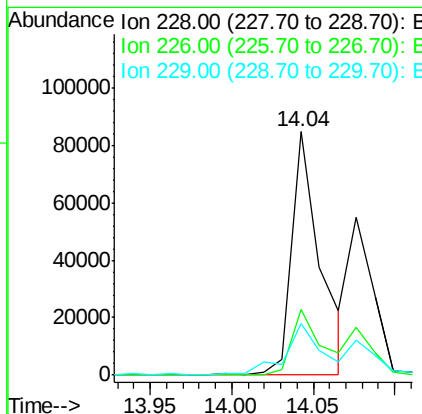
RT: 14.04 min Scan# 1046

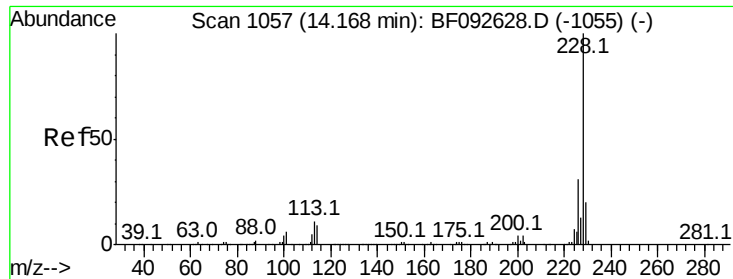
Delta R.T. -0.08 min

Lab File: BF092881.D

Acq: 9 Feb 2017 11:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.4	33.6
229	21.0	16.2	24.4





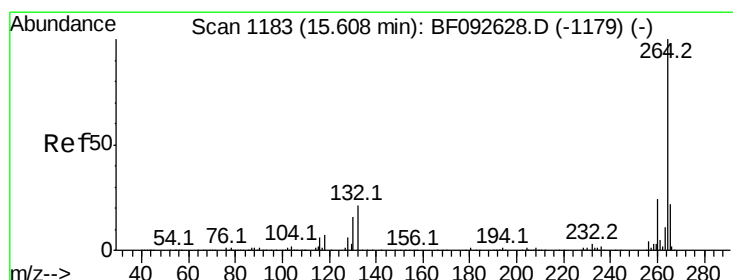
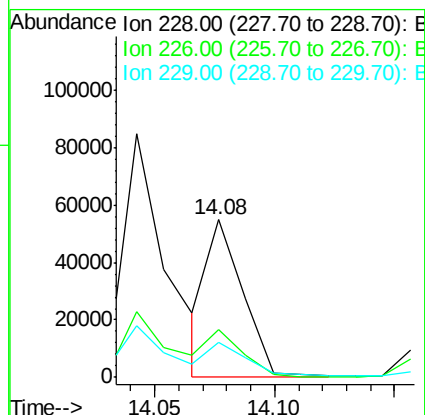
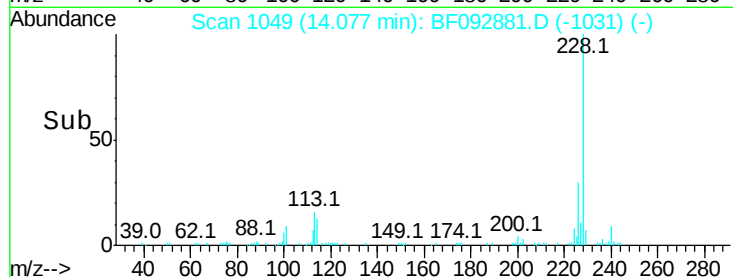
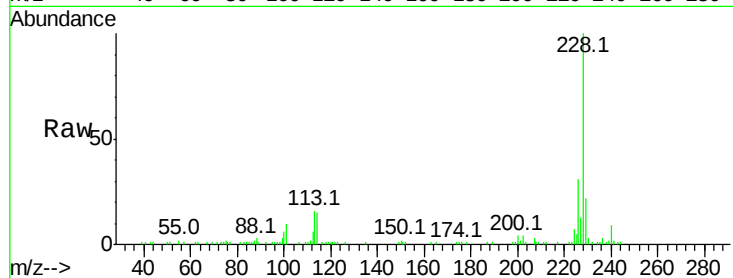
#82
Chrysene
Concen: 2.35 ng/ml
RT: 14.08 min Scan# 1049
Delta R.T. -0.09 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2021-CONCRETE.DL

Tot Ion:	228	Resp:	58504
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.4	38.0
229	22.4	16.2	24.2

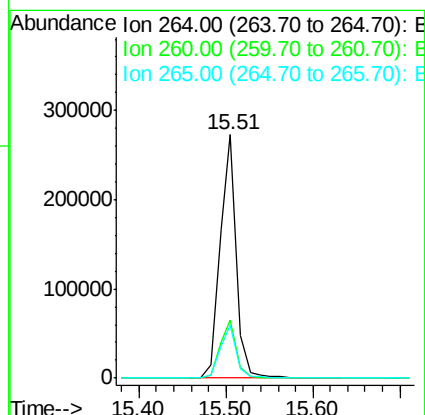
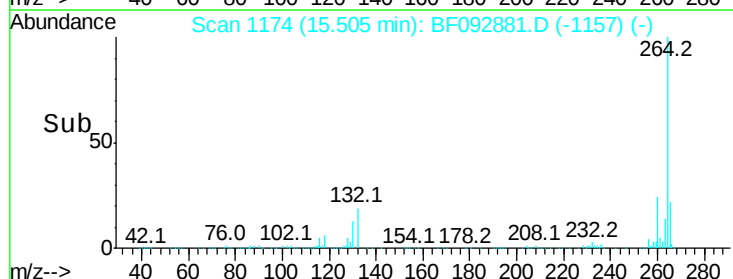
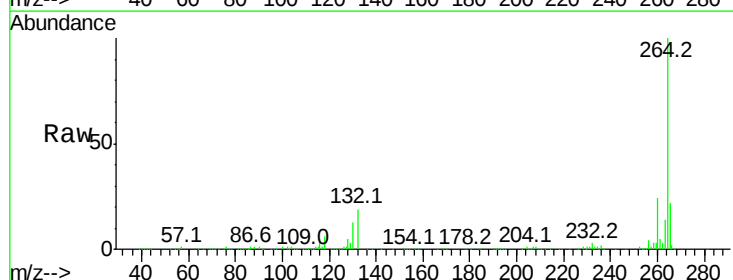
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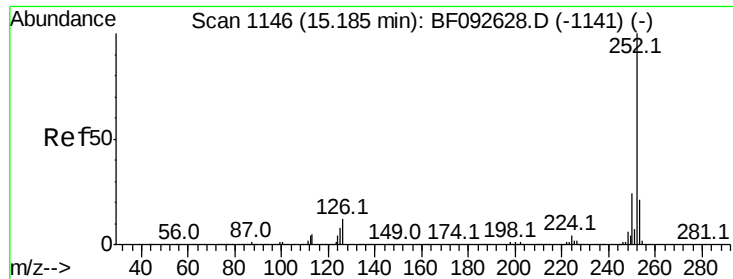
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.10 min
Lab File: BF092881.D
Acq: 9 Feb 2017 11:44

Tgt Ion:	264	Resp:	355283
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.8	17.4	26.0





#87
 Benzo(b)fluoranthene
 Concen: 2.04 ng m
 RT: 15.08 min Scan# 1137
 Delta R.T. -0.10 min
 Lab File: BF092881.D
 Acq: 9 Feb 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2021-CONCRETE DL

Tot Ion:	252	Resp:	47678
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.4
125	13.6	9.8	14.6

Manual Integrations
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