

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092576.D
 Acq On : 27 Jan 2017 14:44
 Operator : SJ/MA
 Sample : I1312-07 2X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-BALLARD01-0-2

Manual Integrations
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Quant Time: Jan 27 16:38:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	167412	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	657666	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	305083	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	434493	20.00	ng	-0.01
75) Chrysene-d12	14.17	240	364644	20.00	ng	0.00
86) Perylene-d12	15.67	264	249885	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	394699	36.68	ng	0.03
7) Phenol-d6	6.62	99	531944	38.81	ng	0.03
23) Nitrobenzene-d5	7.54	82	323610	26.88	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	70402	33.86	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	519804	31.51	ng	-0.01
78) Terphenyl-d14	13.11	244	381476	27.86	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.98	142	61115	2.87	ng	96
49) Dimethylphthalate	9.74	163	101905	5.25	ng	98
57) Fluorene	10.58	166	34030	2.06	ng	97
70) Phenanthrene	11.55	178	284142	11.88	ng	96
71) Anthracene	11.60	178	82635	3.53	ng	98
74) Fluoranthene	12.74	202	294596	12.59	ng	92
77) Pyrene	12.97	202	255387	9.67	ng	98
80) Benzo(a)anthracene	14.16	228	104143	5.31	ng	95
82) Chrysene	14.19	228	105082m	5.02	ng	
83) Bis(2-ethylhexyl)phthalate	14.15	149	78896	5.85	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.16	276	33762	2.18	ng	# 82
87) Benzo(b)fluoranthene	15.22	252	105873m	6.60	ng	
89) Benzo(a)pyrene	15.60	252	56559	4.17	ng	# 75
91) Benzo(a,h,i)perylene	17.62	276	33710	3.04	ng	# 74

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

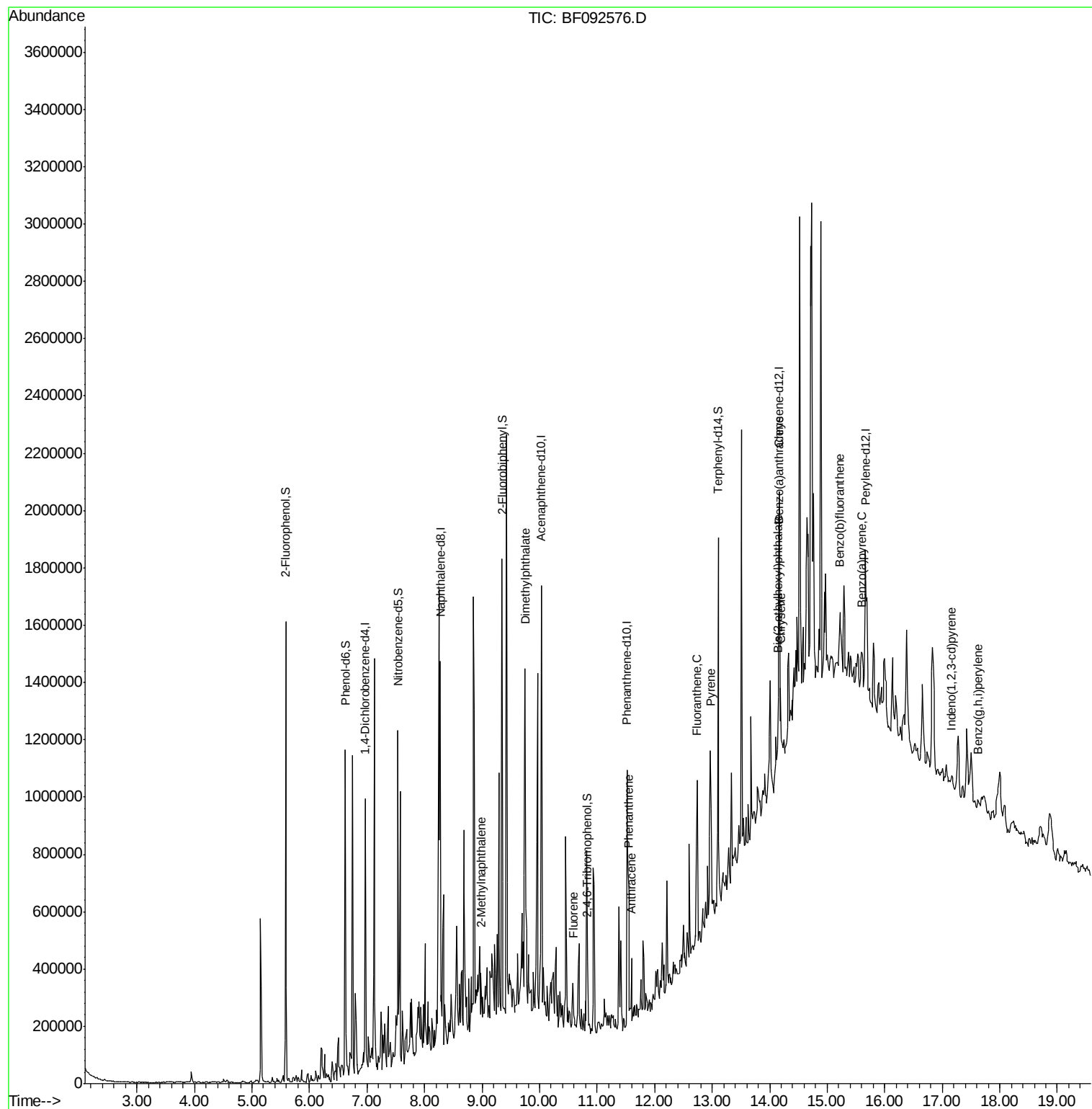
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092576.D
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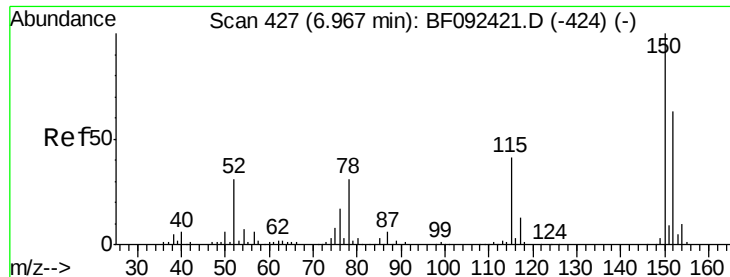
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#1

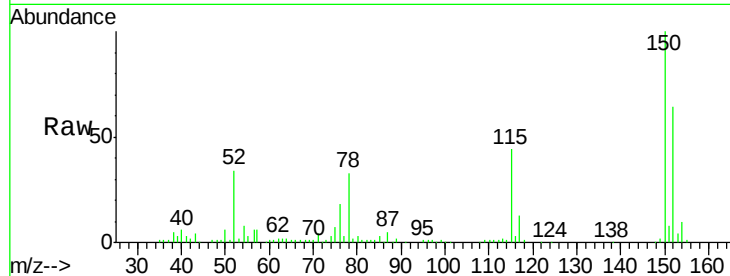
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	68.7	46.0	69.0

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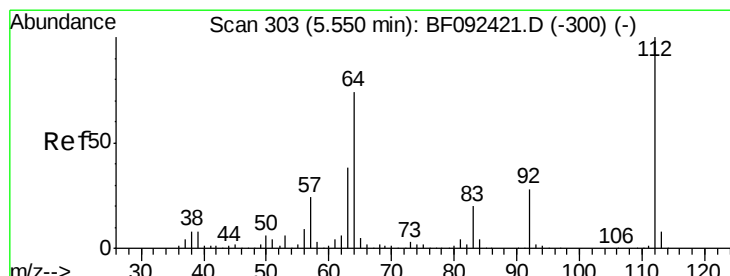
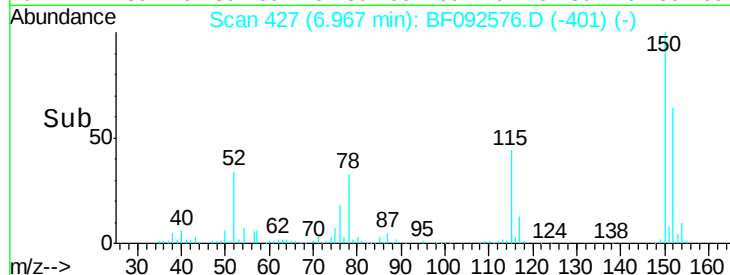
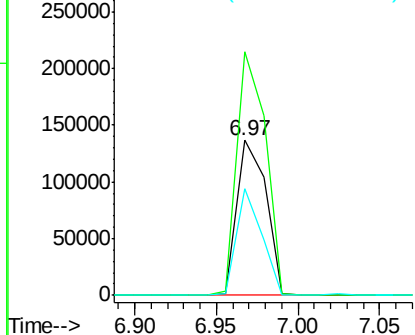


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

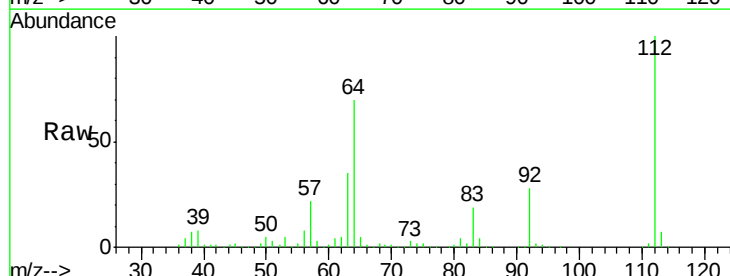
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.68 ng
RT: 5.58 min Scan# 306
Delta R.T. 0.03 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	46.1	69.1#
63	35.4	23.8	35.6

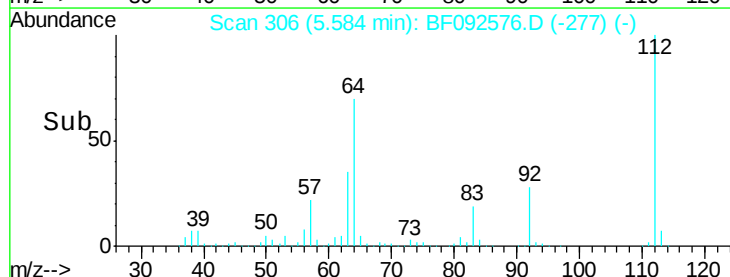
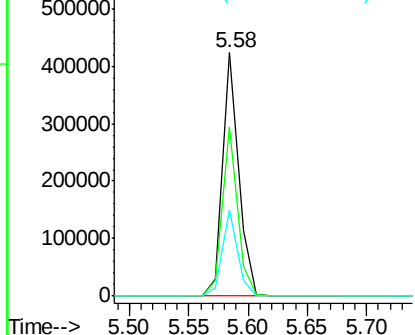


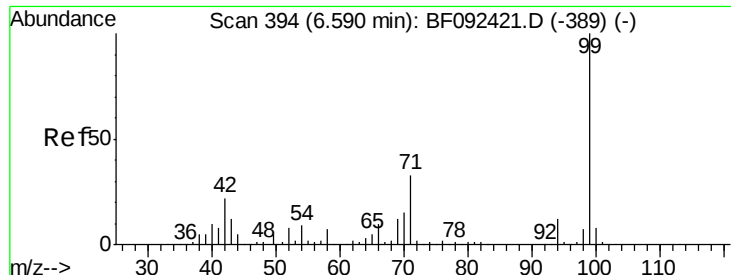
Abundance

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: 38.81 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA_F

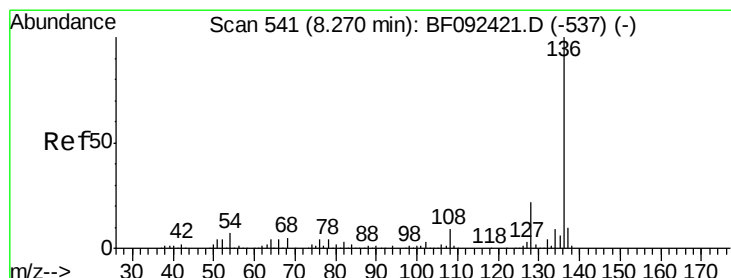
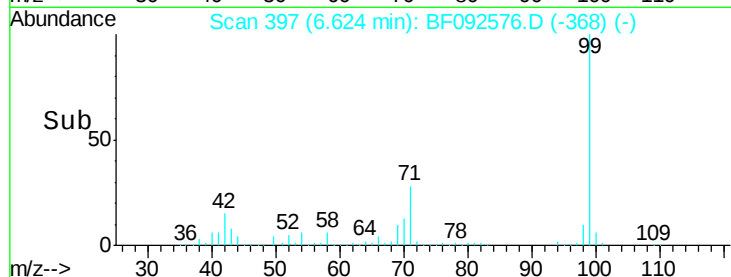
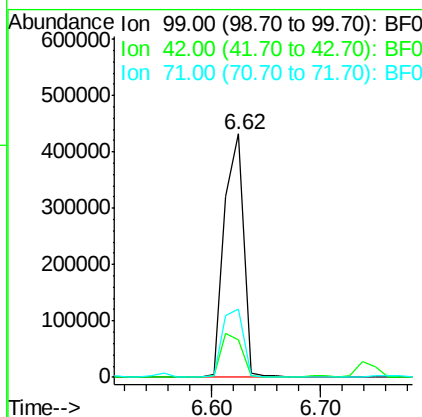
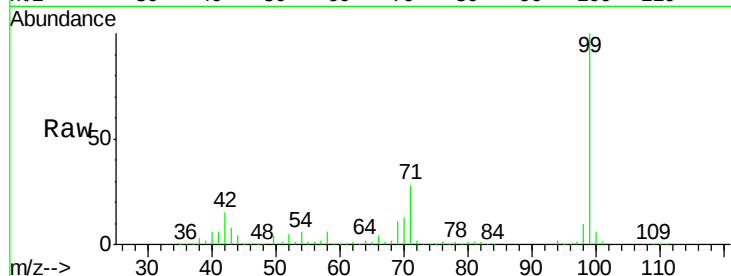
ClientSampleId :

CAS-BALLARD01-0-2

Tot Ion:	99	Resp:	531944
Ion Ratio	Lower	Upper	
99	100		
42	15.3	15.6	23.4#
71	28.1	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

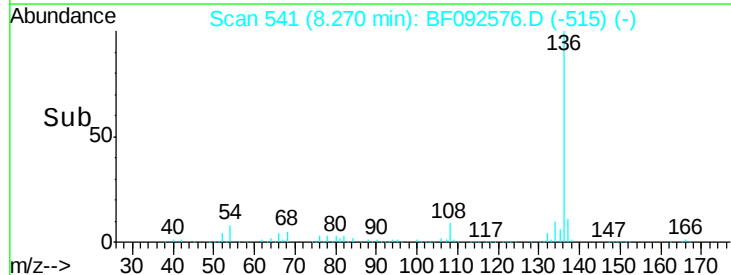
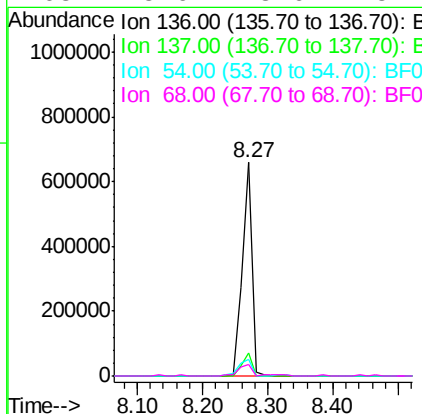
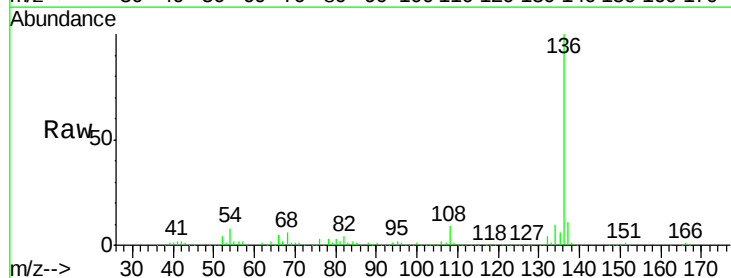
RT: 8.27 min Scan# 541

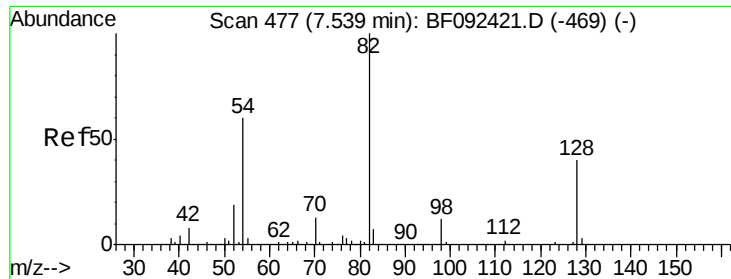
Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Tgt Ion:	136	Resp:	657666
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.4	12.6
54	8.0	4.5	6.7#
68	5.6	3.6	5.4#





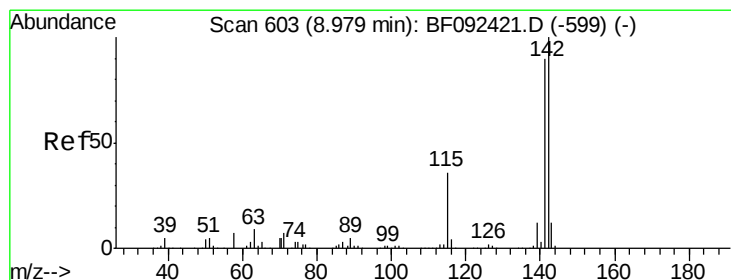
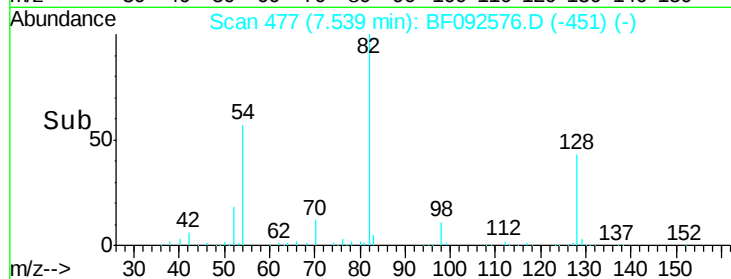
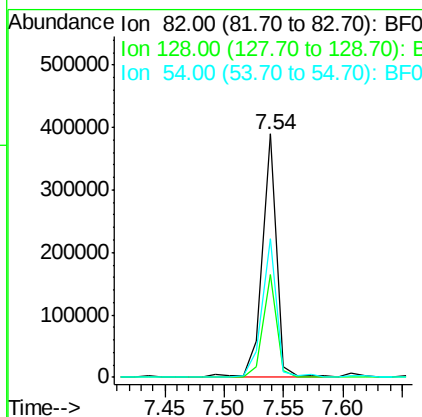
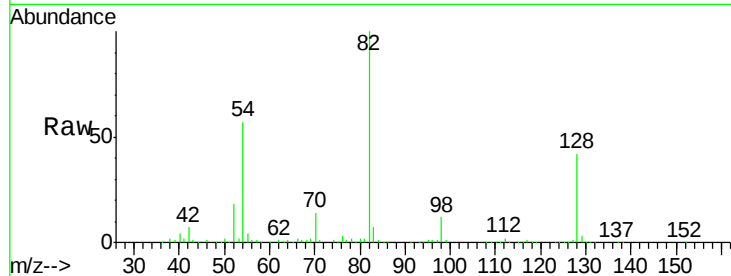
#23
 Nitrobenzene-d5
 Concen: 26.88 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF092576.D
 Acq: 27 Jan 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	52.0
54	57.0	39.5	59.3

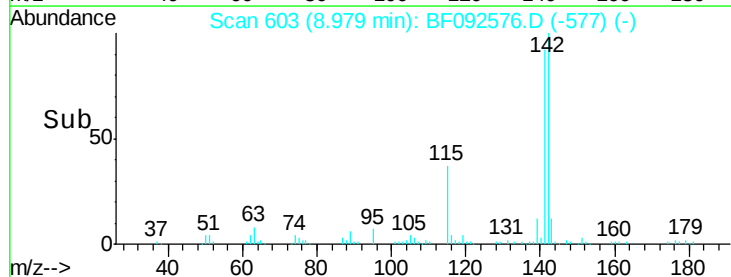
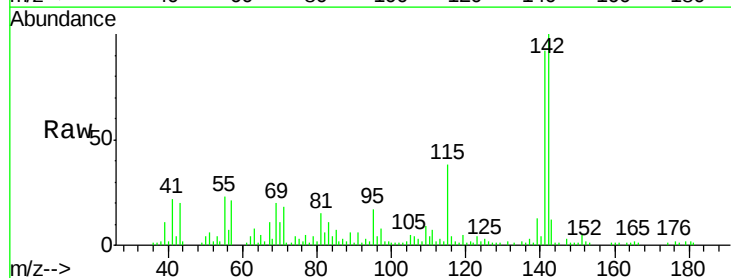
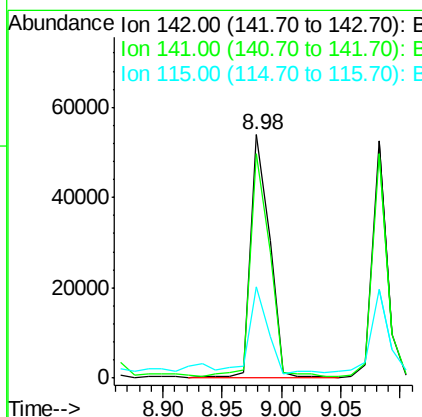
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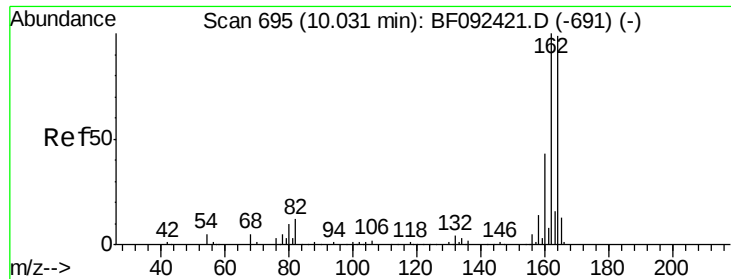
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#37
 2-Methylnaphthalene
 Concen: 2.87 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF092576.D
 Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.0	106.6
115	37.6	28.3	42.5





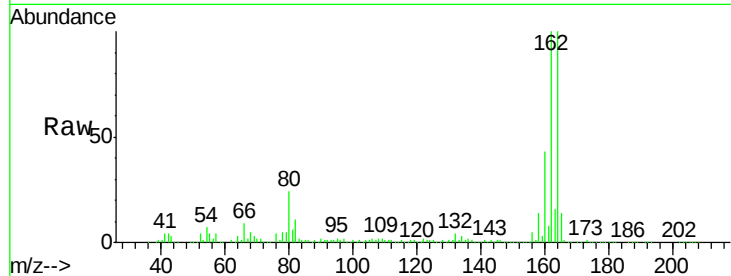
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

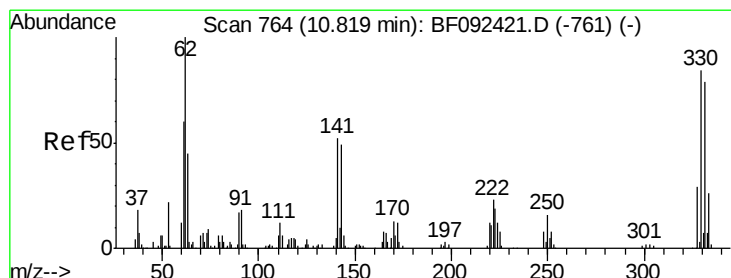
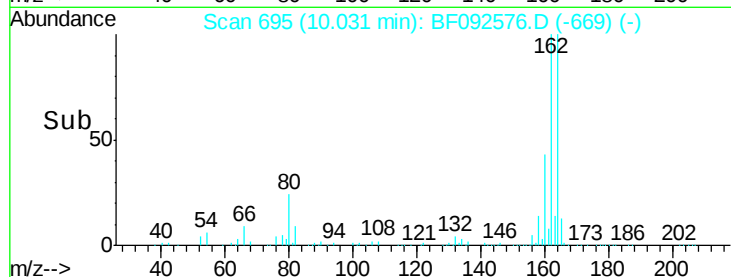
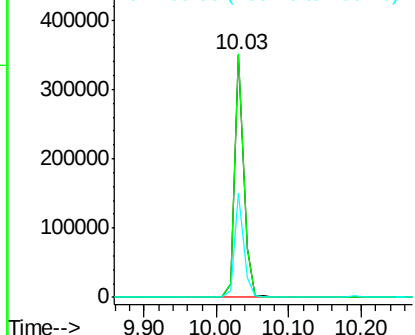
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	42.8	36.9	55.3

Manual Integrations
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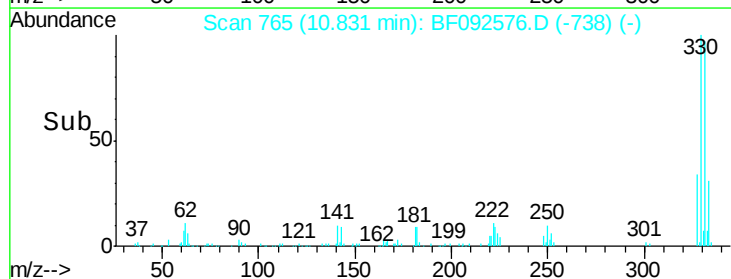
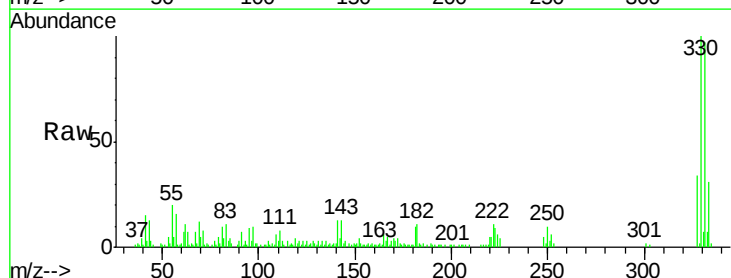
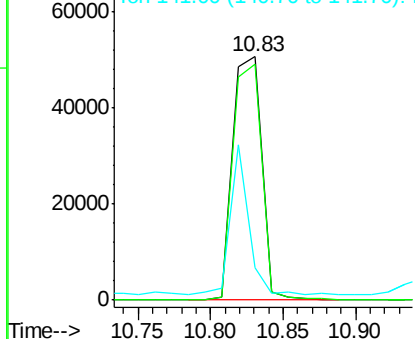
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

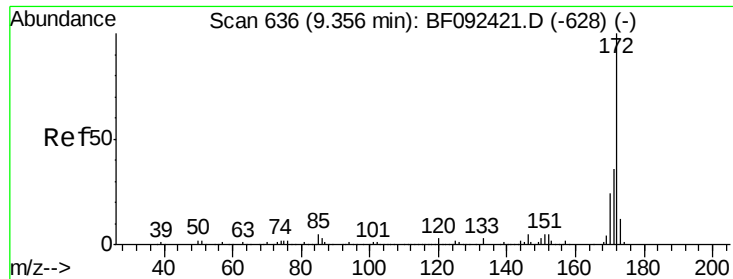


#41
2,4,6-Tribromophenol
Concen: 33.86 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	39.4	34.1	51.1

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





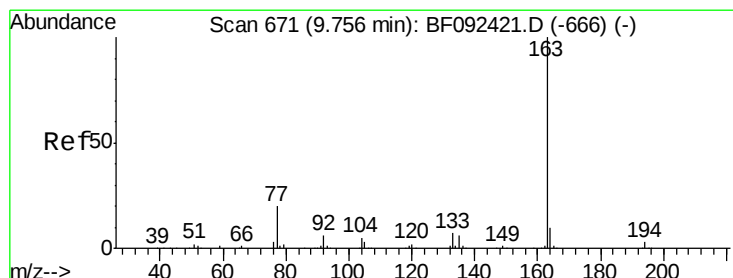
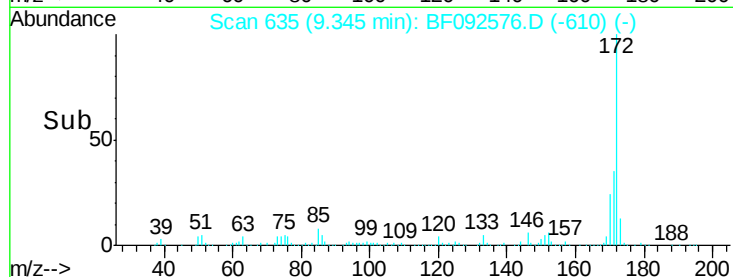
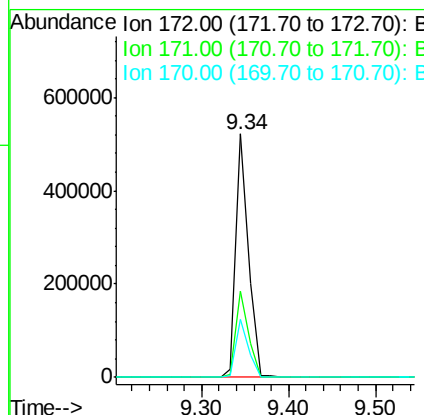
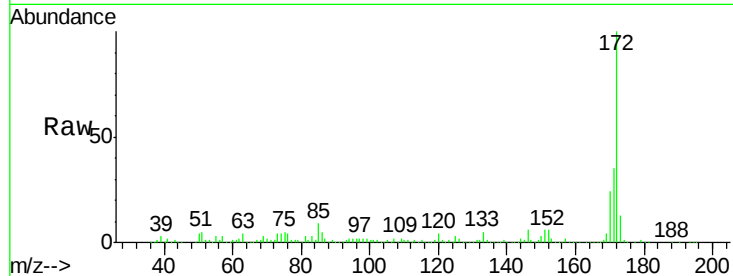
#44
2-Fluorobiphenyl
Concen: 31.51 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	24.1	20.2	30.4

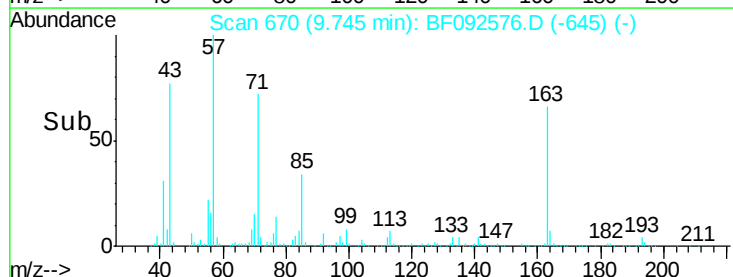
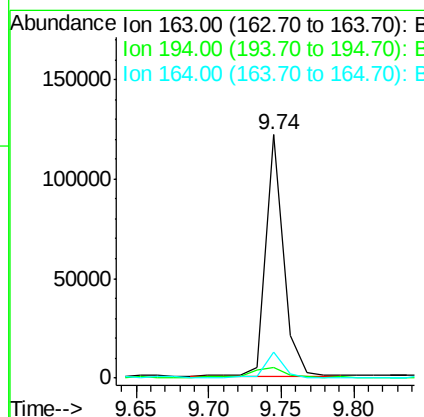
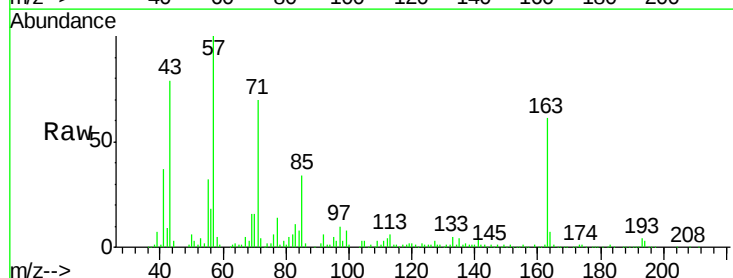
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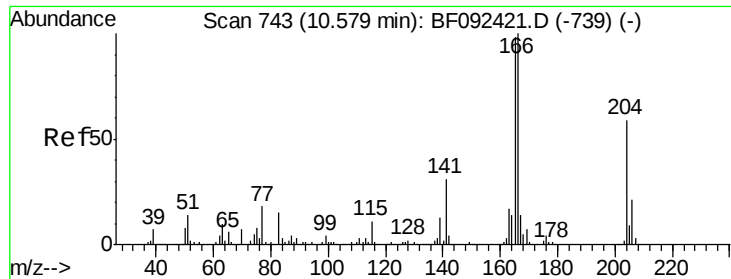
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#49
Dimethylphthalate
Concen: 5.25 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.4
164	10.7	8.0	12.0





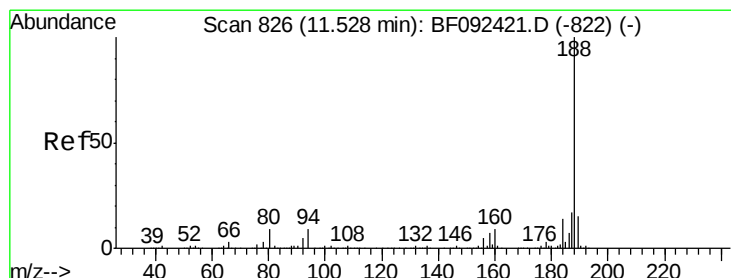
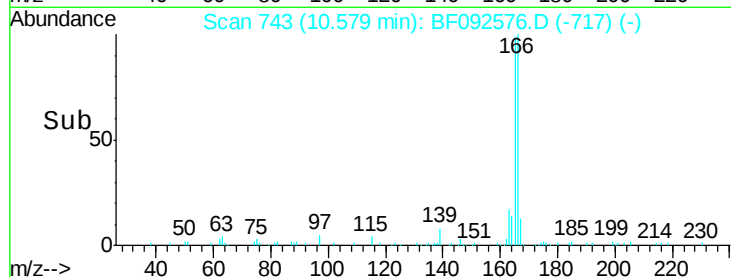
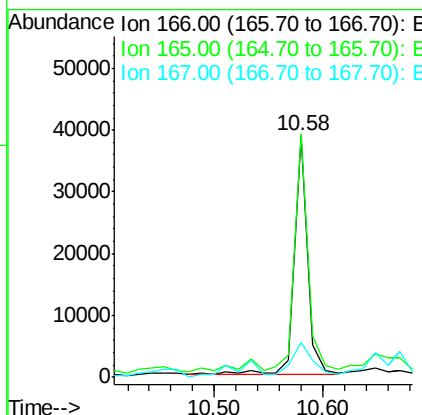
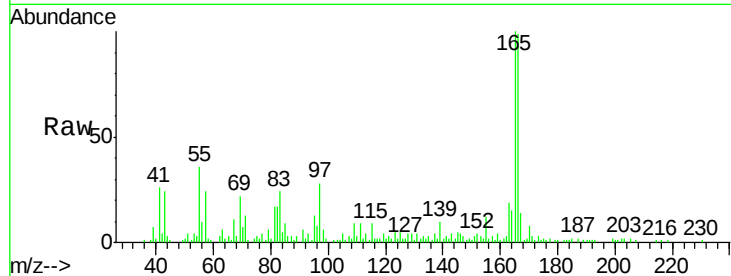
#57
Fluorene
 Concen: 2.06 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF092576.D
 Acq: 27 Jan 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 CAS-BALLARD01-0-2

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	100.8	77.8	116.8	
167	14.4	10.8	16.2	

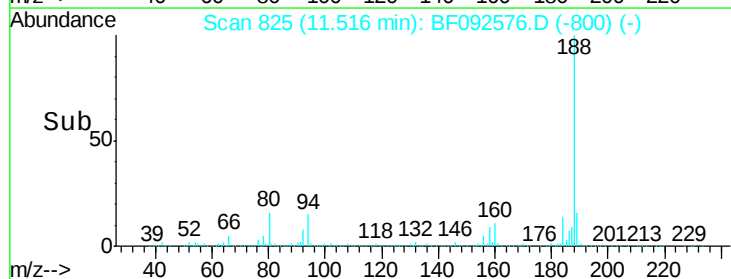
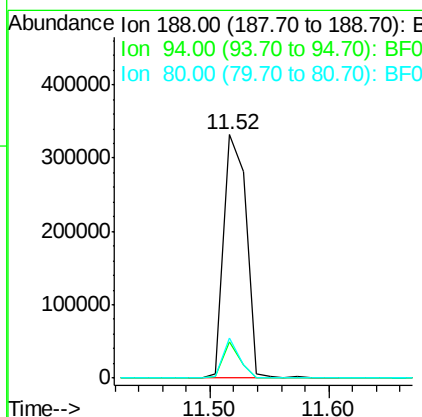
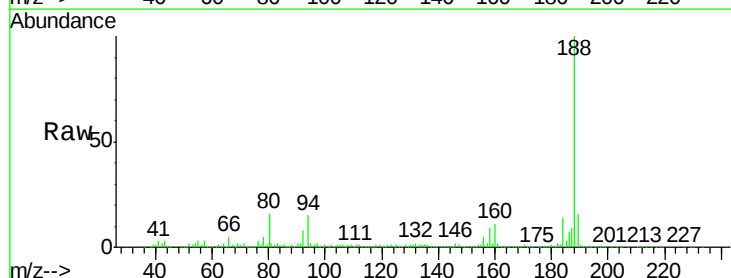
Manual Integrations
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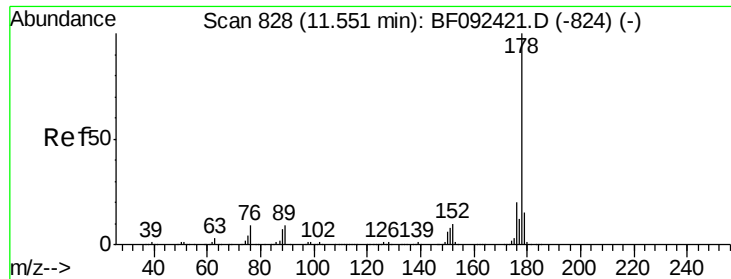
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF092576.D
 Acq: 27 Jan 2017 14:44

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	14.7	10.0	15.0	
80	16.2	11.2	16.8	





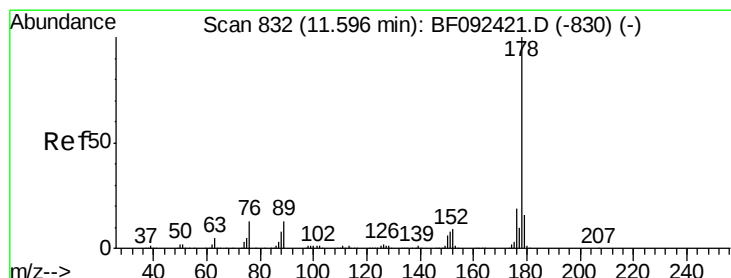
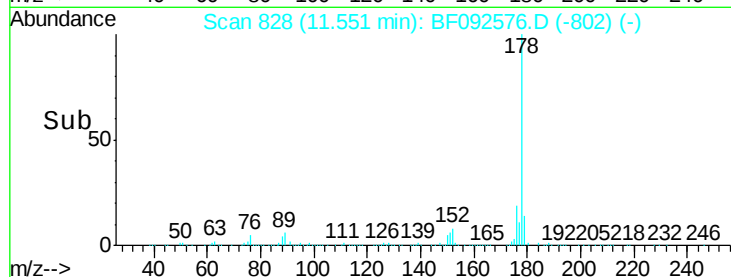
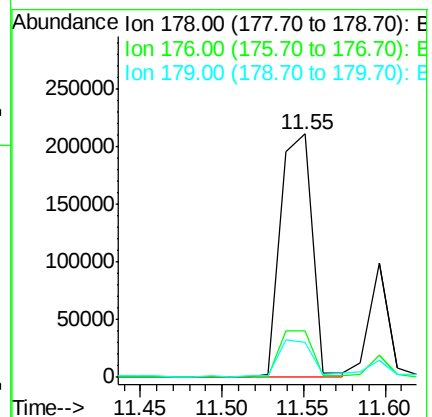
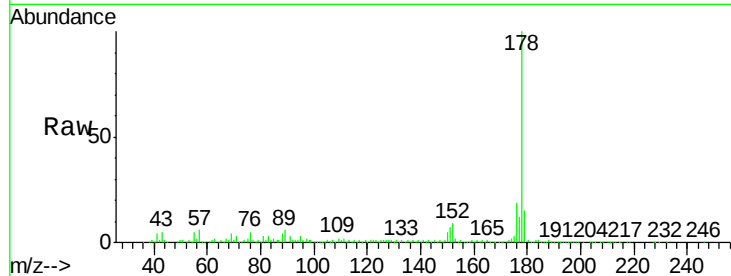
#70
Phenanthrene
Concen: 11.88 ng
RT: 11.55 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	14.6	12.8	19.2

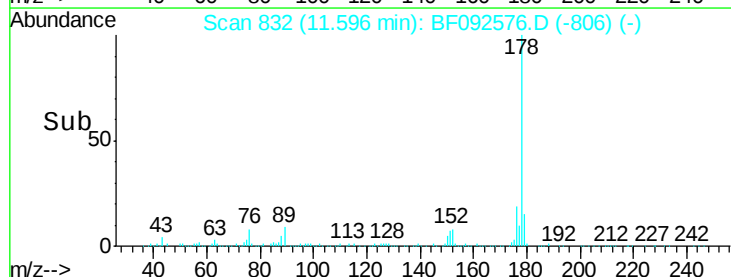
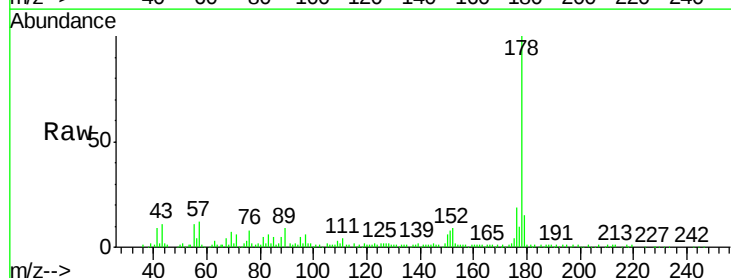
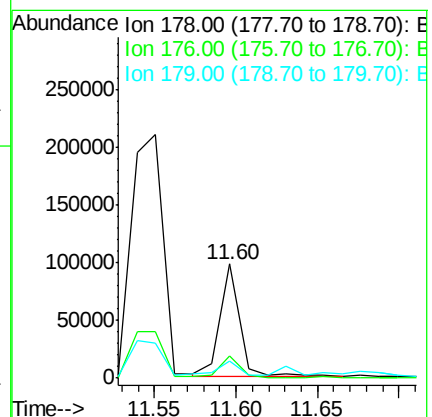
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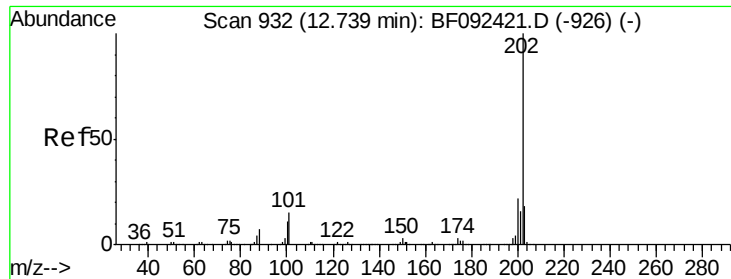
mohammad
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#71
Anthracene
Concen: 3.53 ng
RT: 11.60 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.4	13.2	19.8





#74

Fluoranthene

Concen: 12.59 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF092576.D

Acq: 27 Jan 2017 14:44

Instrument :

BNA_F

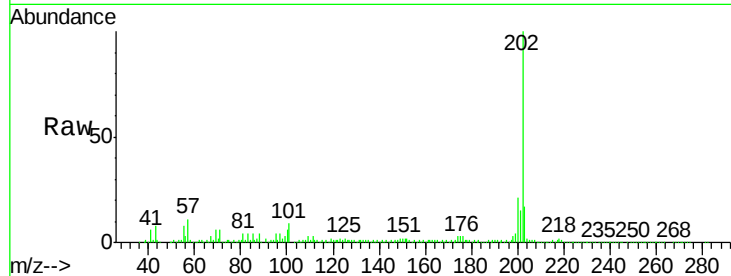
ClientSampleId :

CAS-BALLARD01-0-2

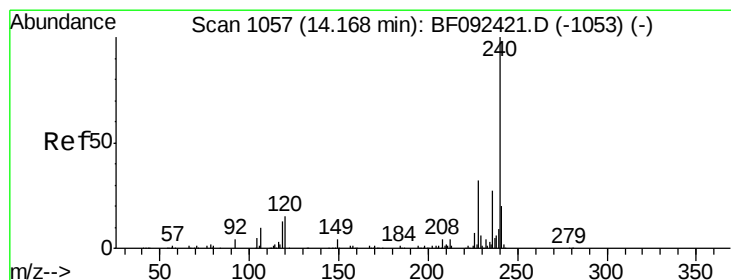
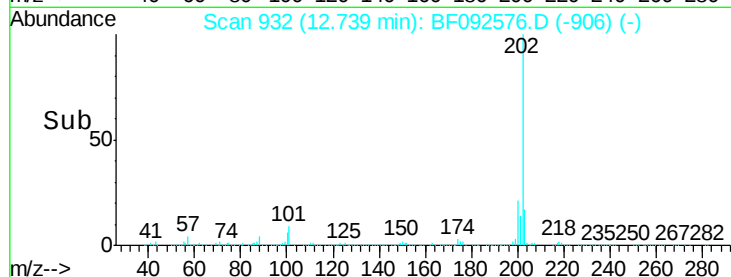
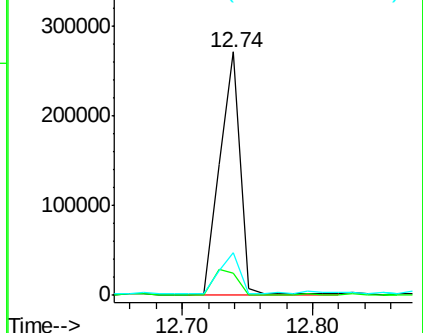
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	0.0	34.6
203	17.3	0.0	38.7

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: 20.00 ng

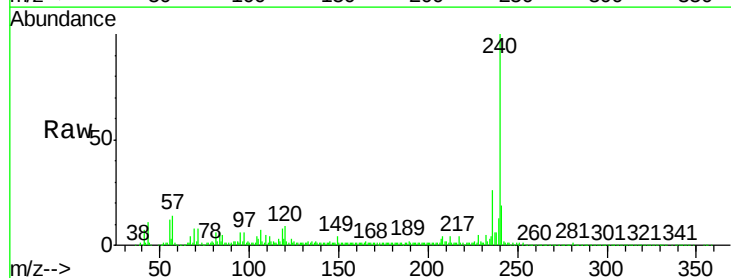
RT: 14.17 min Scan# 1057

Delta R.T. -0.00 min

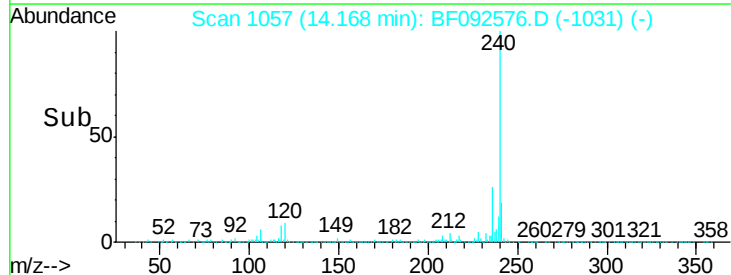
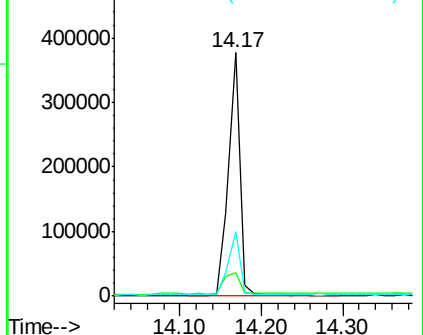
Lab File: BF092576.D

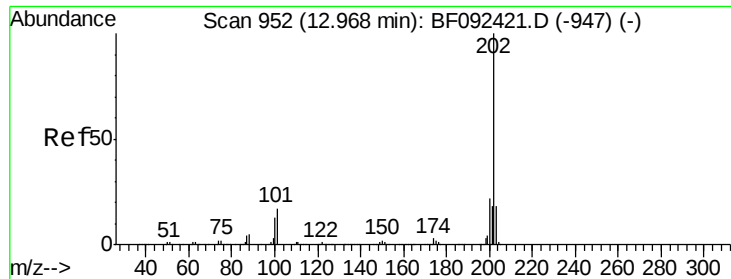
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.4	12.9	19.3#
236	26.5	20.9	31.3



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





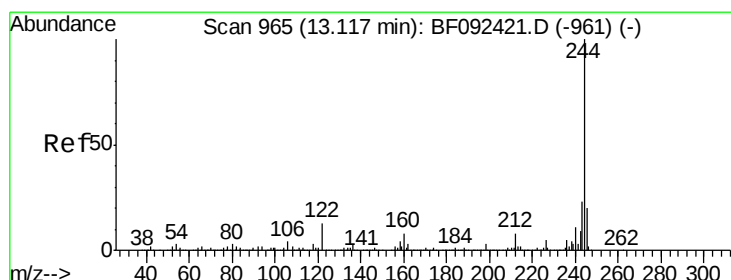
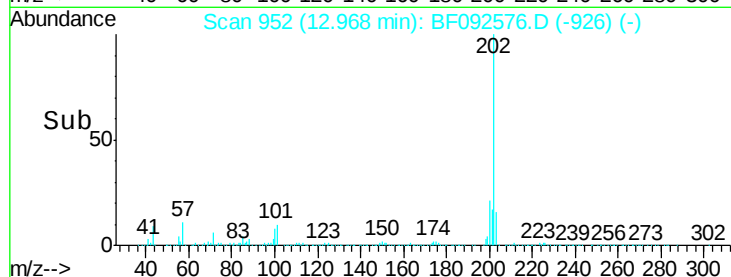
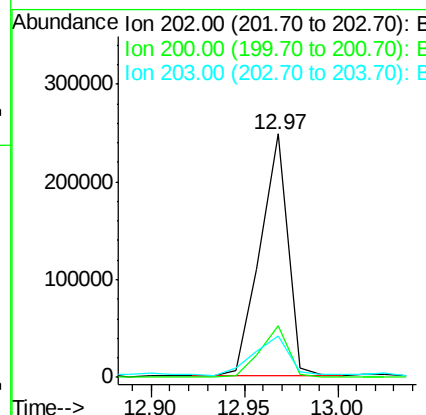
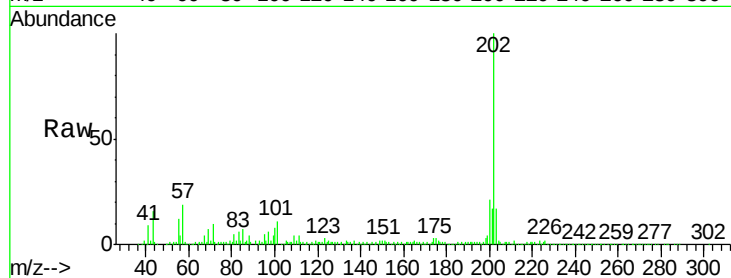
#77
Pvrene
Concen: 9.67 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.2	14.7	22.1

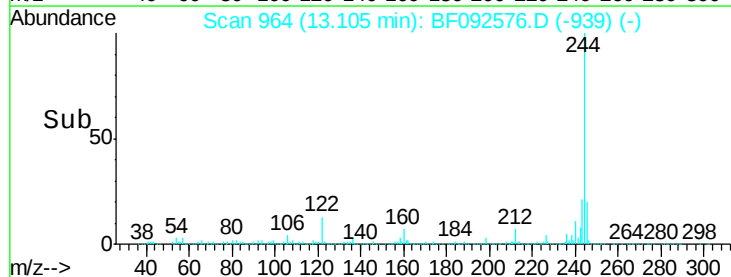
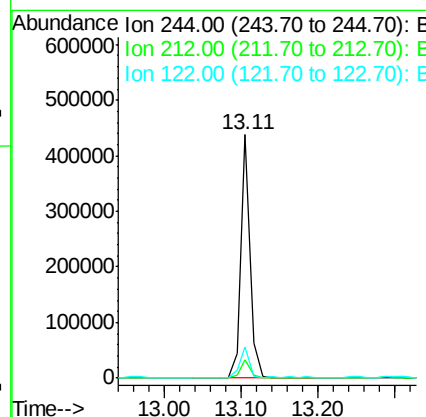
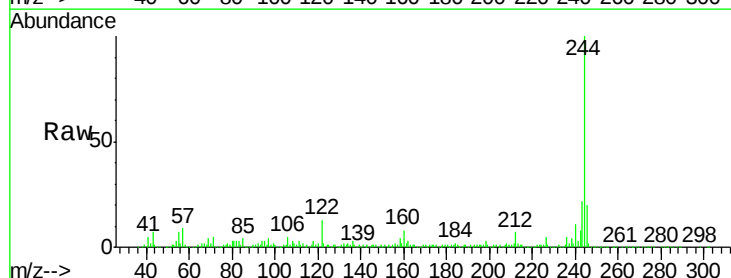
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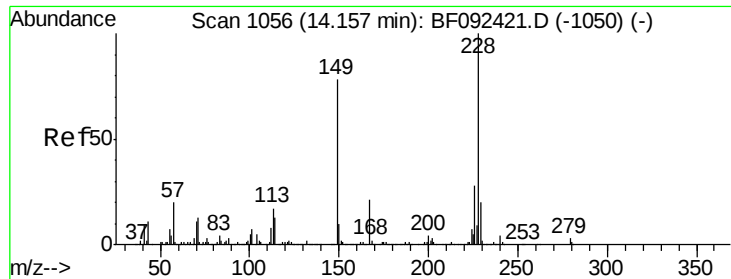
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#78
Terphenyl-d14
Concen: 27.86 ng
RT: 13.11 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.2	9.2
122	12.9	11.4	17.2





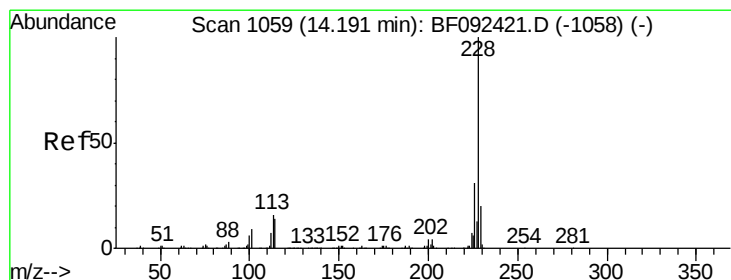
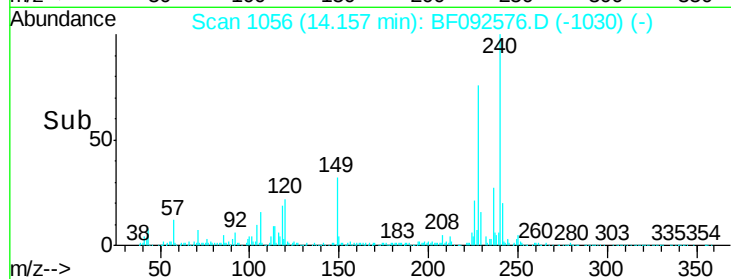
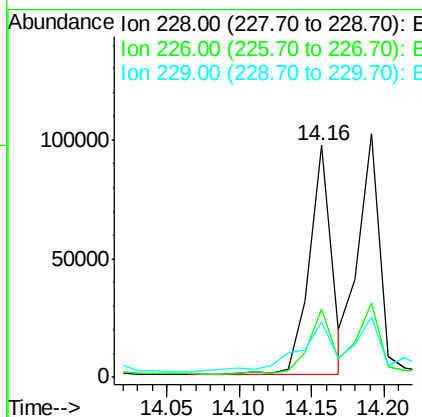
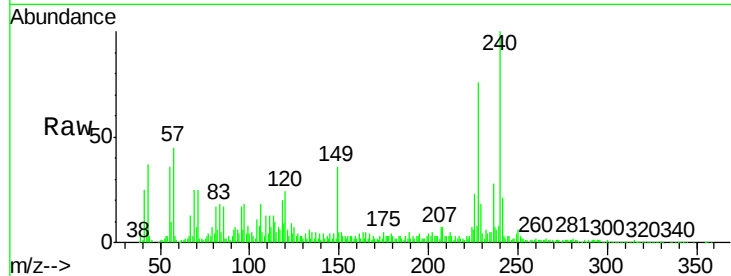
#80
Benzo(a)anthracene
Concen: 5.31 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.4	33.6
229	23.7	16.2	24.4

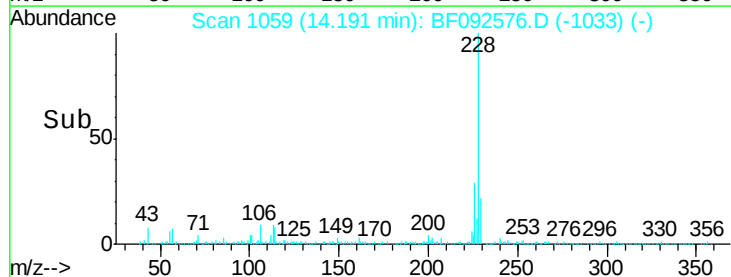
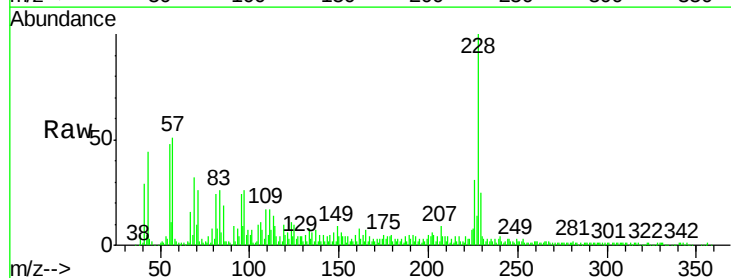
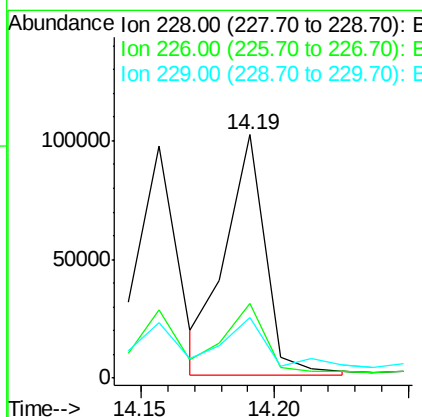
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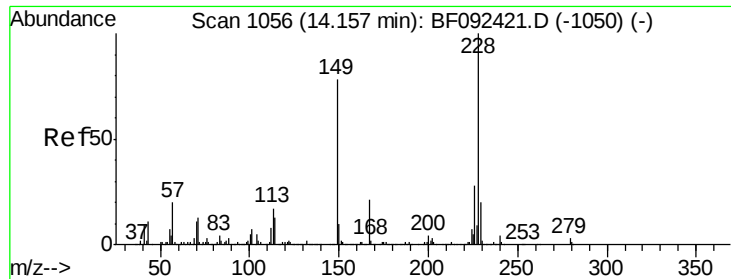
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#82
Chrysene
Concen: 5.02 ng m
RT: 14.19 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	24.7	16.2	24.2#





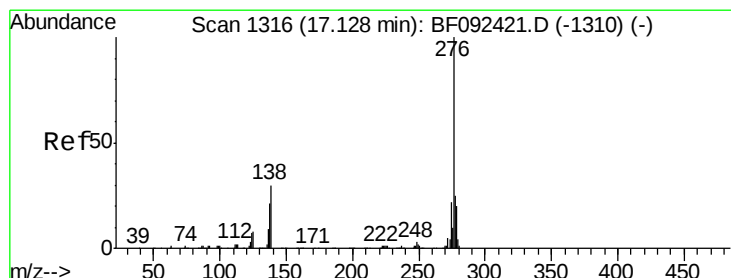
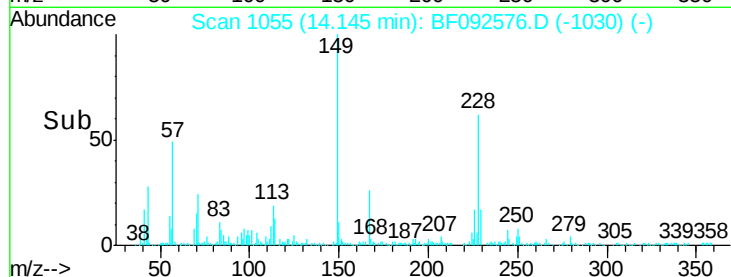
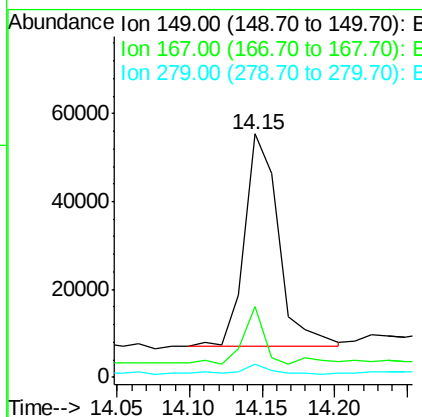
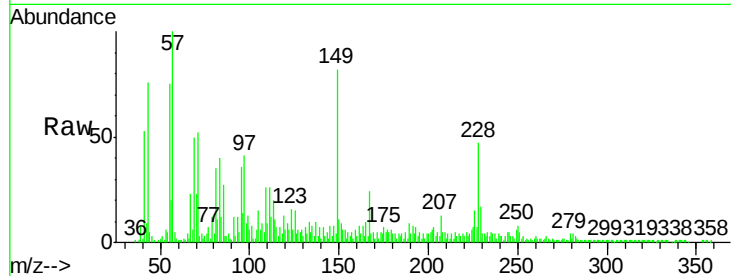
#83
Bis(2-ethylhexyl)phthalate
Concen: 5.85 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.1	20.2	30.4
279	5.3	1.8	2.8

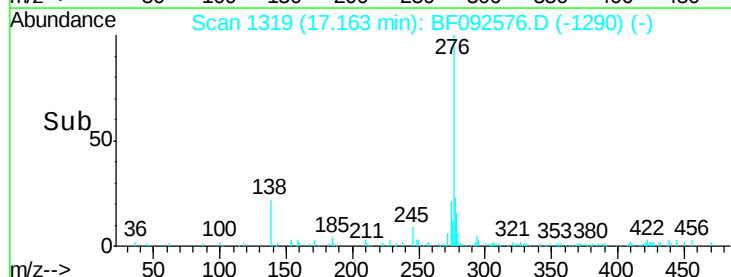
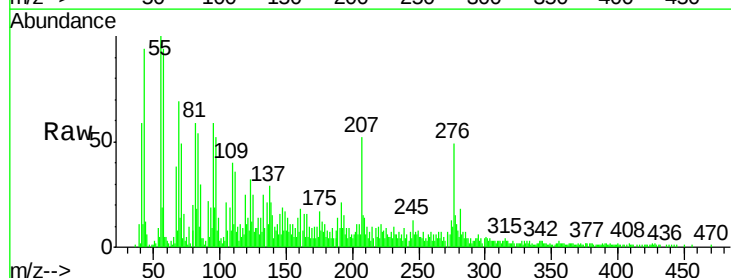
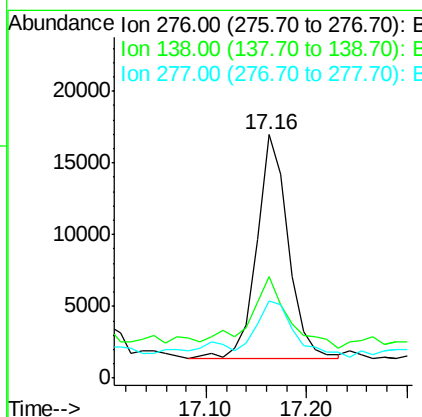
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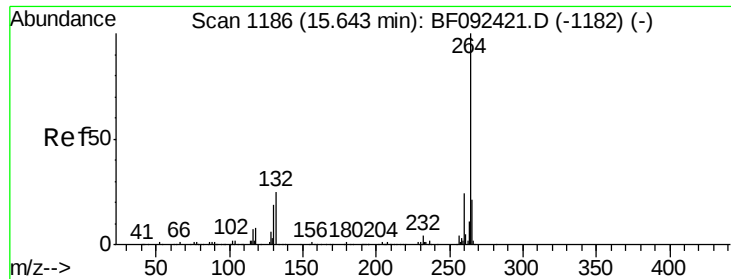
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.18 ng
RT: 17.16 min Scan# 1319
Delta R.T. 0.03 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.5	21.8	32.6
277	30.9	20.2	30.4





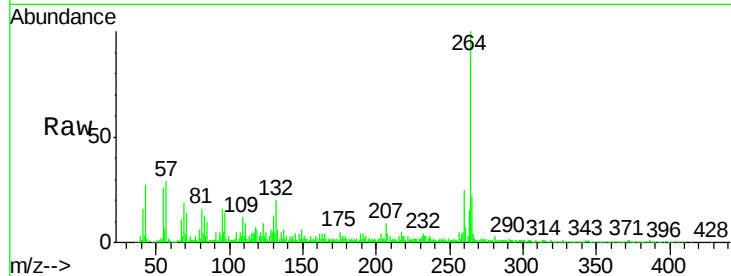
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.67 min Scan# 1188
Delta R.T. 0.02 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

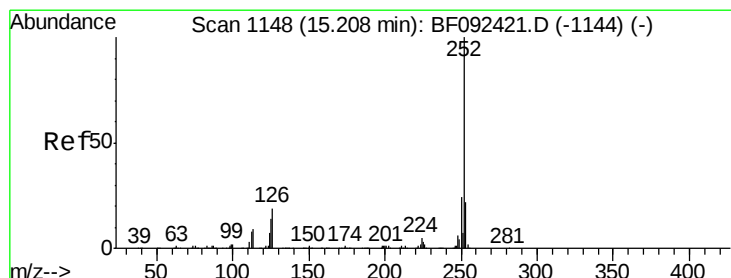
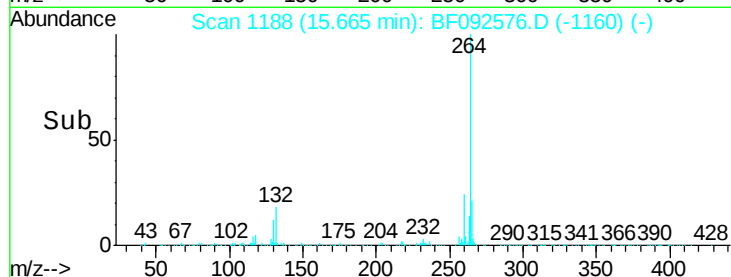
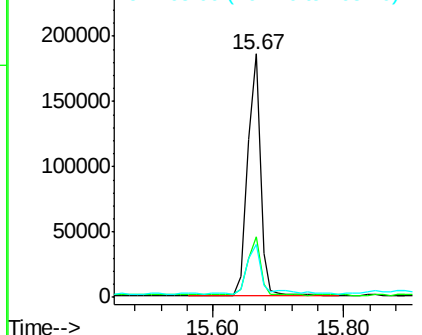
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.9	17.4	26.0

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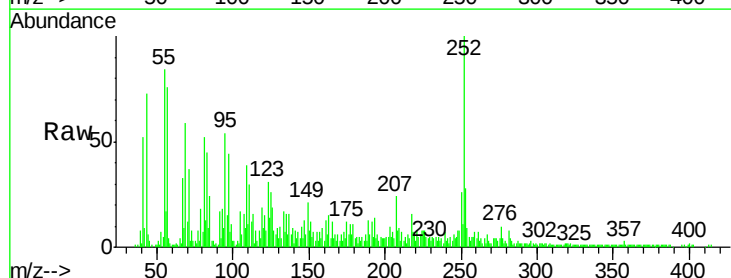


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

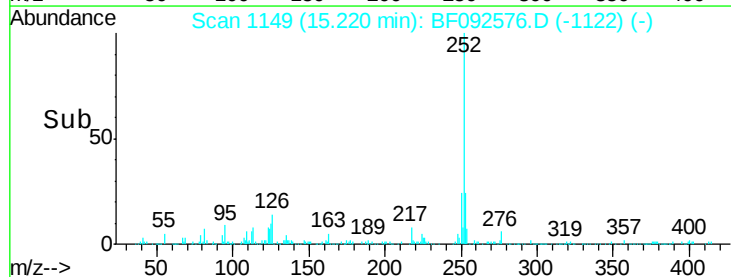
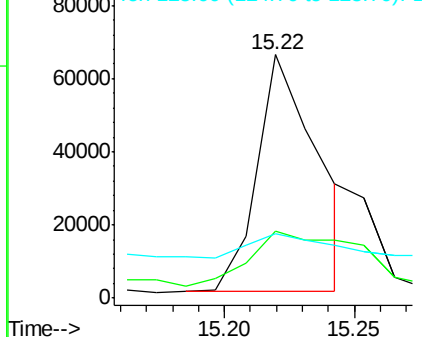


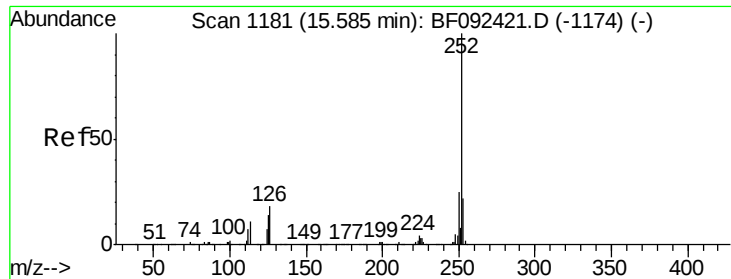
#87
Benzo(b)fluoranthene
Concen: 6.60 ng m
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.2	27.4#
125	26.4	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





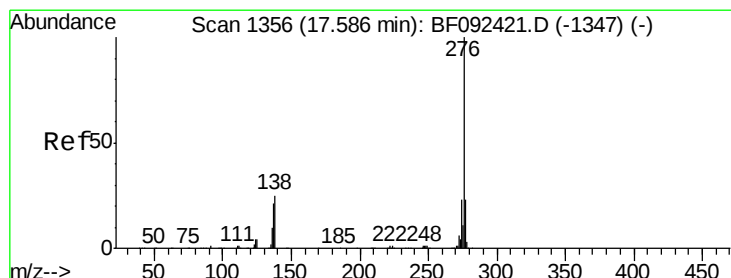
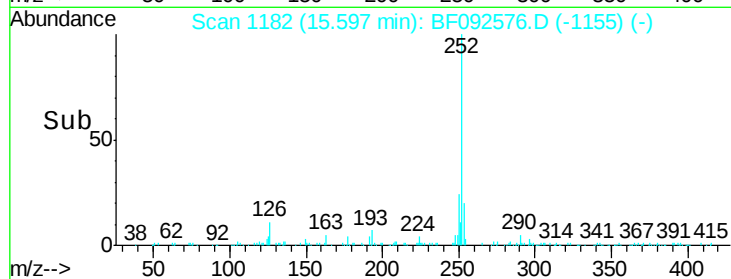
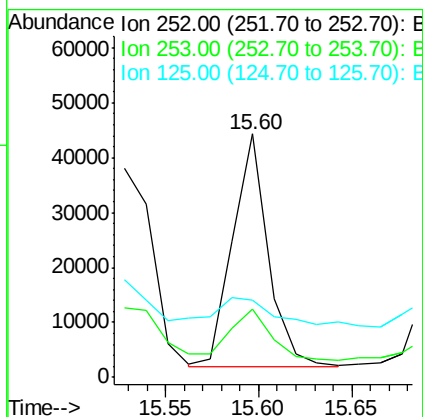
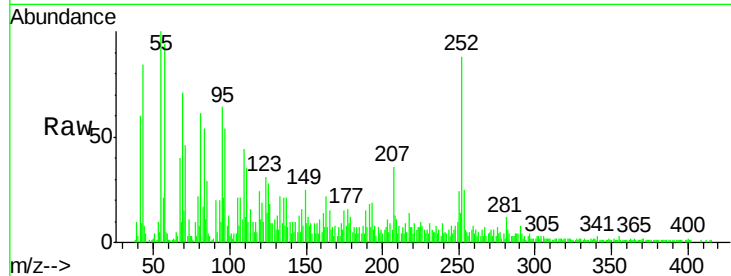
#89
Benzo(a)pyrene
Concen: 4.17 ng
RT: 15.60 min Scan# 1182
Delta R.T. 0.01 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Instrument :
BNA_F
ClientSampleId :
CAS-BALLARD01-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.2	27.2#
125	31.9	10.0	15.0#

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#91
Benzo(g,h,i)perylene
Concen: 3.04 ng
RT: 17.62 min Scan# 1359
Delta R.T. 0.03 min
Lab File: BF092576.D
Acq: 27 Jan 2017 14:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.7	19.2	28.8#
138	37.5	16.0	24.0#

