

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011117\
 Data File : BF092201.D
 Acq On : 11 Jan 2017 17:15
 Operator : UM/SJ
 Sample : I1079-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 USDOT-617122-COMP-0-2

Manual Integrations
 APPROVED

Sohil
 1/12/2017 8:31:41 AM

Quant Time: Jan 11 23:54:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	194539	20.00	ng	-0.03
21) Naphthalene-d8	7.89	136	900950	20.00	ng	-0.05
38) Acenaphthene-d10	9.64	164	489794	20.00	ng	-0.05
63) Phenanthrene-d10	11.12	188	794832	20.00	ng	-0.03
75) Chrysene-d12	13.75	240	504651	20.00	ng	-0.03
86) Perylene-d12	15.11	264	401604	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1423898	122.21	ng	-0.03
7) Phenol-d6	6.28	99	1791632	125.95	ng	-0.03
23) Nitrobenzene-d5	7.18	82	1151478	71.07	ng	-0.03
41) 2,4,6-Tribromophenol	10.44	330	437068	107.83	ng	-0.03
44) 2-Fluorobiphenyl	8.97	172	1776756	72.42	ng	-0.03
78) Terphenyl-d14	12.71	244	1581833	76.02	ng	-0.03
Target Compounds						
10) Phenol	6.29	94	123725	7.63	ng	Qvalue # 67
49) Dimethylphthalate	9.37	163	204354	6.52	ng	99
51) Acenaphthene	9.67	154	108831	3.93	ng	98
54) Dibenzofuran	9.84	168	109647	2.93	ng	97
57) Fluorene	10.18	166	141529	5.20	ng	100
70) Phenanthrene	11.14	178	655400	15.21	ng	98
71) Anthracene	11.19	178	130214	2.07	ng	97
74) Fluoranthene	12.32	202	701618	16.10	ng	97
77) Pyrene	12.55	202	949141	25.63	ng	99
80) Benzo(a)anthracene	13.74	228	367735m	12.91	ng	
82) Chrysene	13.76	228	326335m	11.42	ng	
83) Bis(2-ethylhexyl)phthalate	13.75	149	81200	4.09	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.37	276	261611	10.57	ng	98
87) Benzo(b)fluoranthene	14.75	252	742994m	29.72	ng	
88) Benzo(k)fluoranthene	14.76	252	218560m	10.25	ng	
89) Benzo(a)pyrene	15.05	252	463741m	20.90	ng	
90) Dibenzo(a,h)anthracene	16.37	278	93666m	5.13	ng	
91) Benzo(g,h,i)perylene	16.73	276	253384	13.36	ng	# 94

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

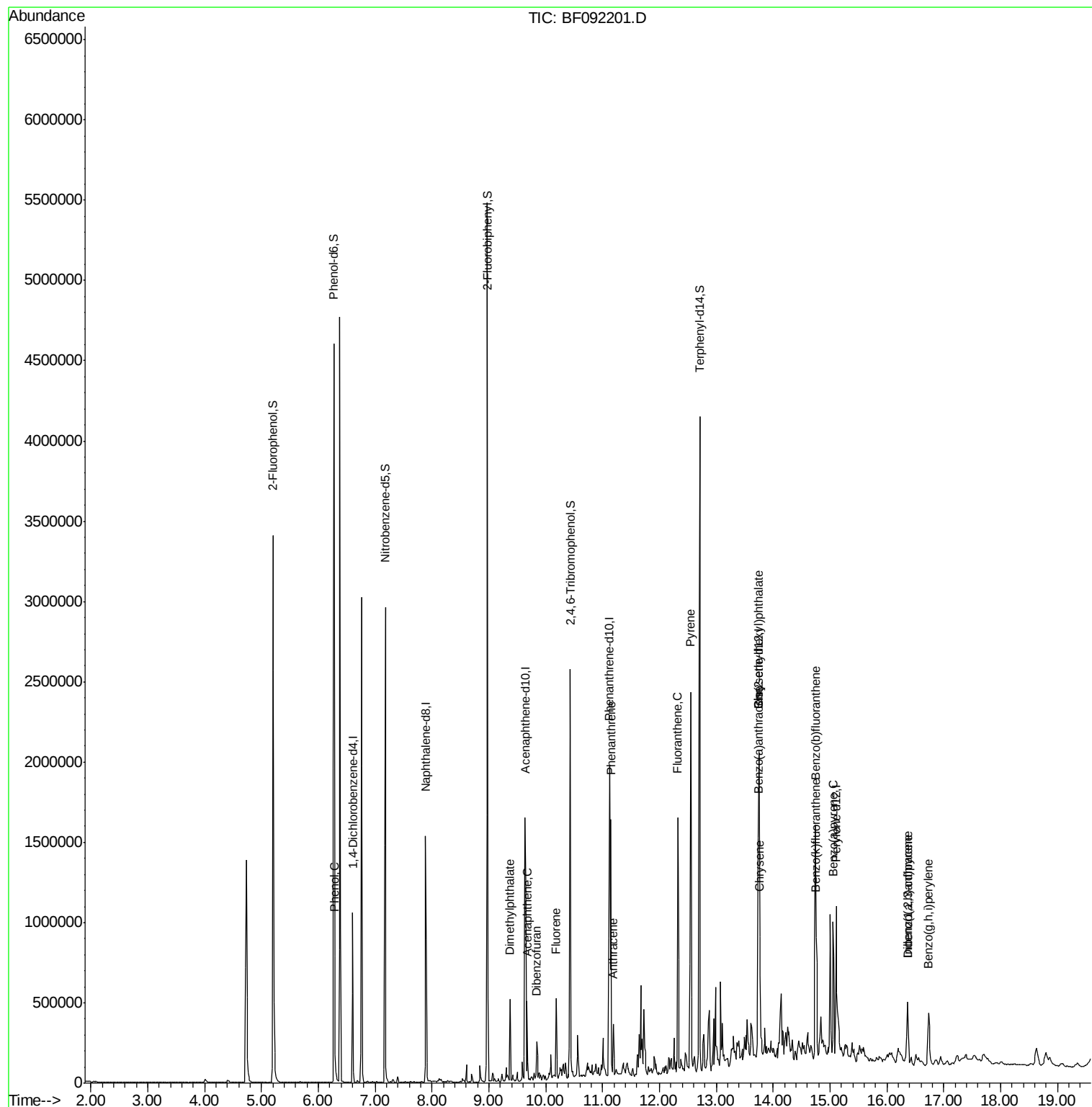
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011117\
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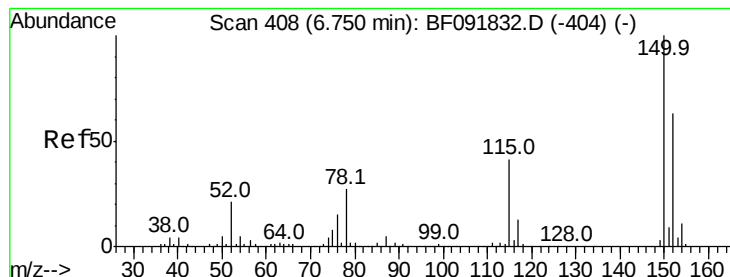
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QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 413

Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Instrument :

BNA_F

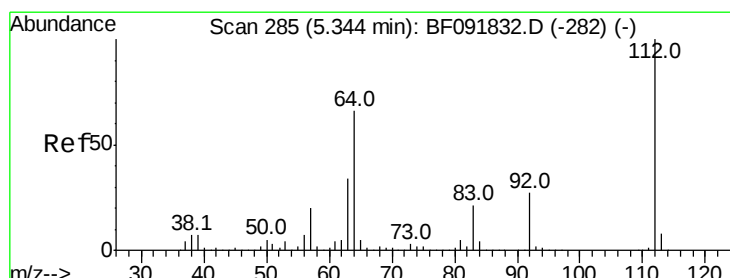
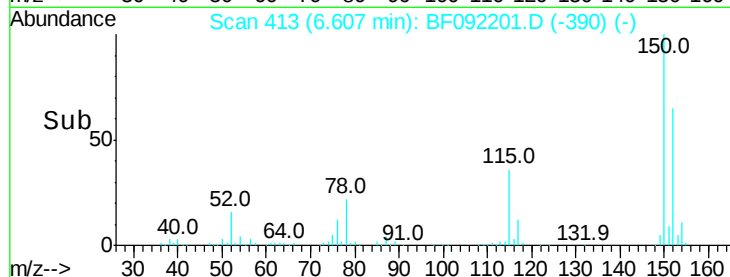
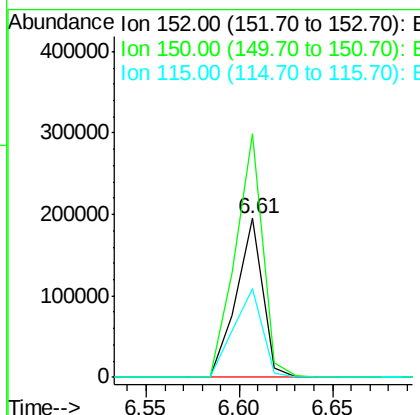
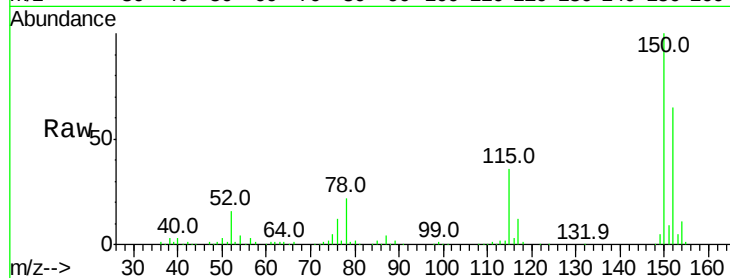
ClientSampleId :

USDOT-617122-COMP-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.9	187.3
115	55.5	46.0	69.0

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#5

2-Fluorophenol

Concen: 122.21 ng

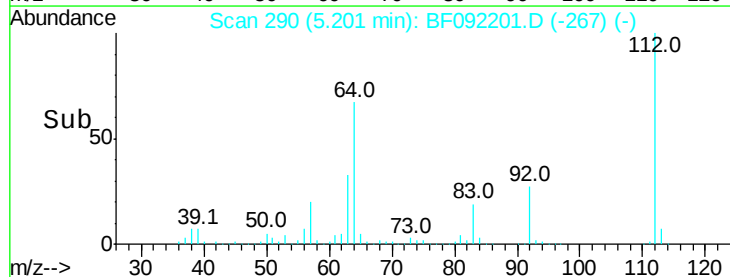
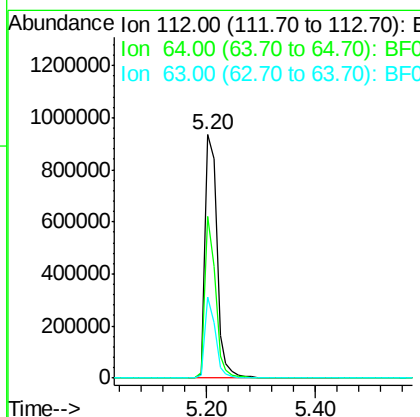
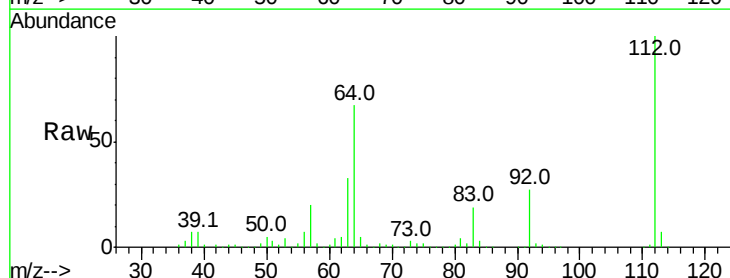
RT: 5.20 min Scan# 290

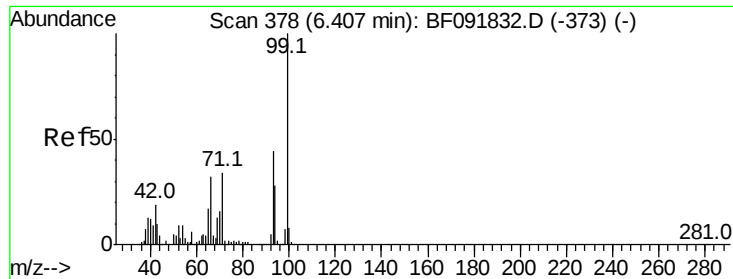
Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.1	69.1
63	33.4	23.8	35.6





#7

Phenol-d6

Concen: 125.95 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Instrument :

BNA_F

ClientSampleId :

USDOT-617122-COMP-0-2

Tot Ion: 99 Resp: 1791632

Ion Ratio Lower Upper

99 100

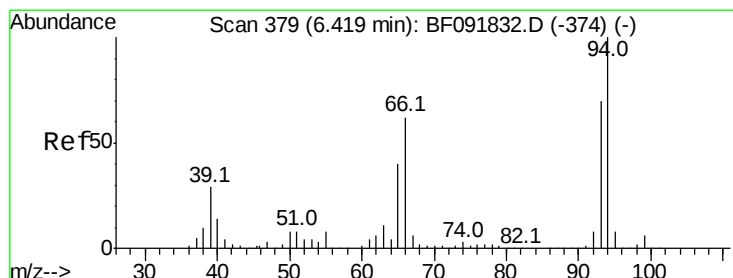
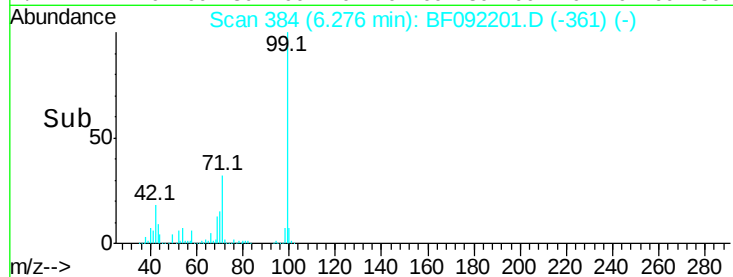
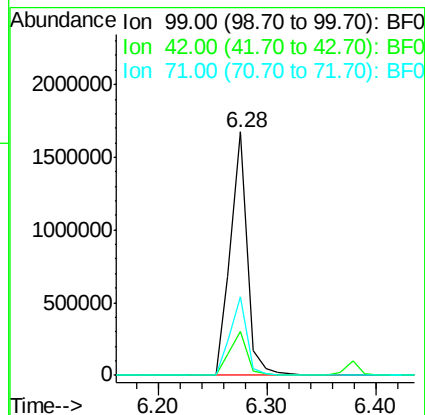
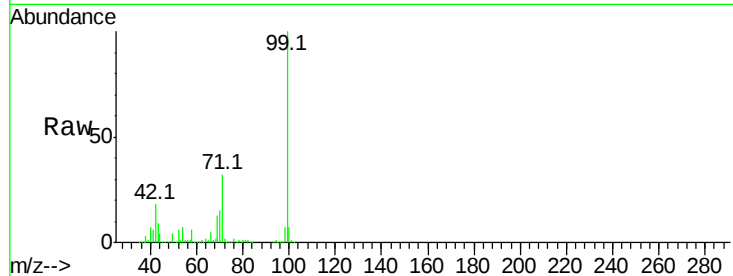
42 17.8 15.6 23.4

71 32.2 27.5 41.3

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#10

Phenol

Concen: 7.63 ng

RT: 6.29 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

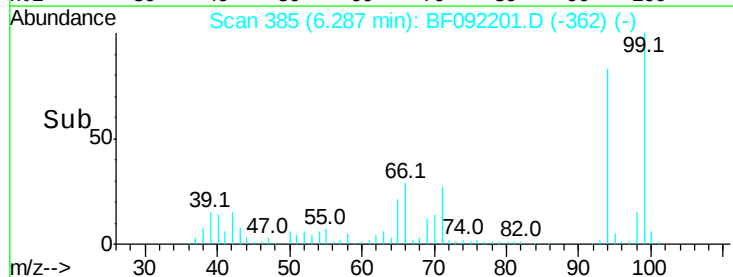
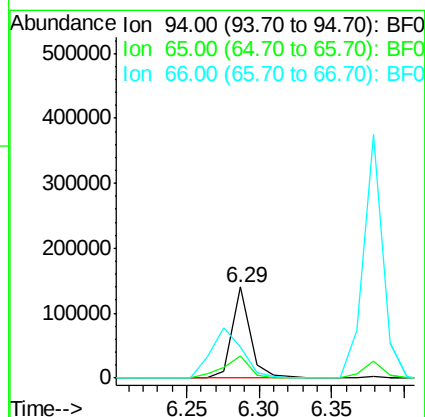
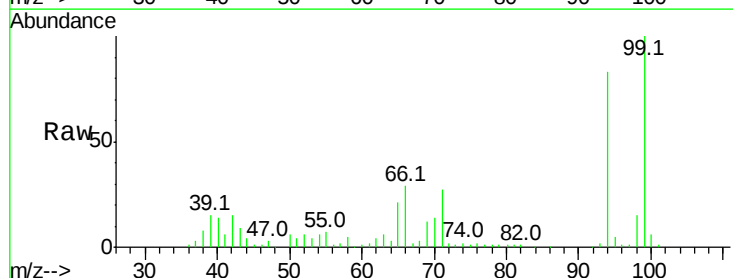
Tgt Ion: 94 Resp: 123725

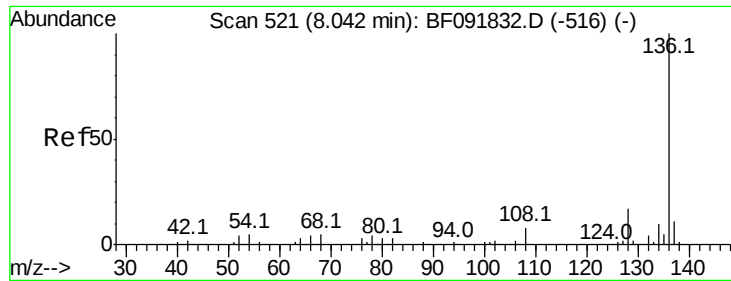
Ion Ratio Lower Upper

94 100

65 24.9 21.4 61.4

66 34.4 44.0 84.0#





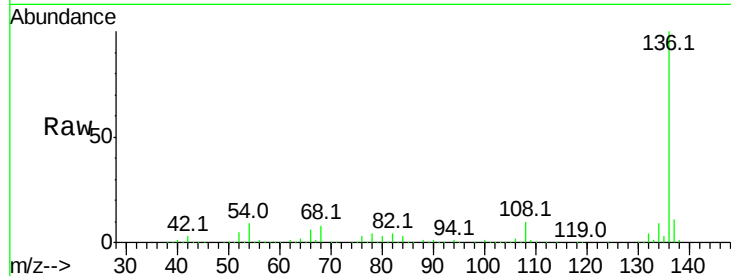
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.89 min Scan# 525
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

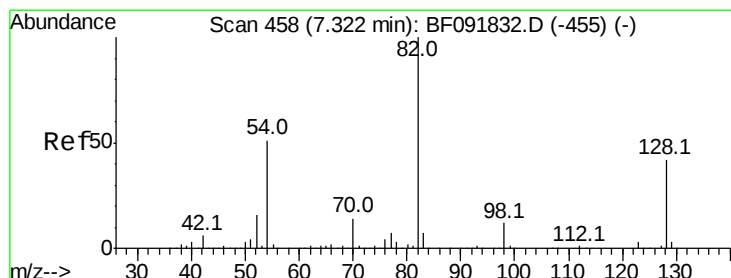
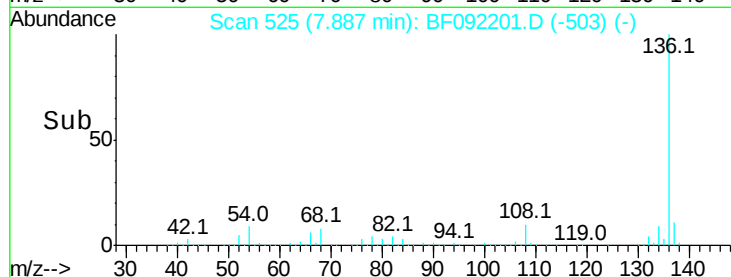
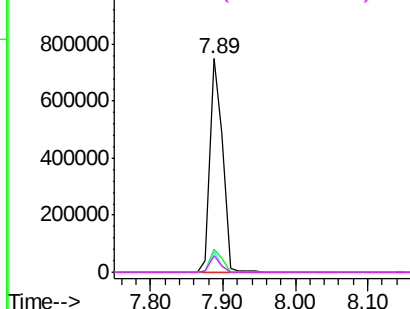
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	9.4	4.5	6.7	
68	7.7	3.6	5.4	

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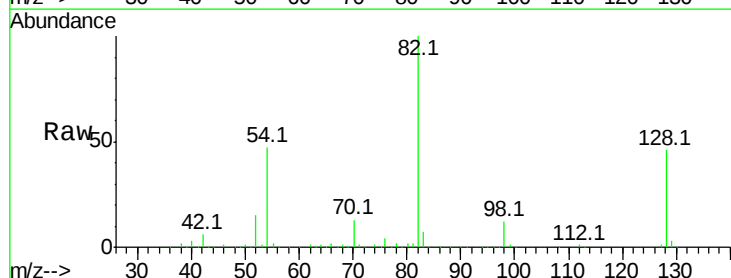


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

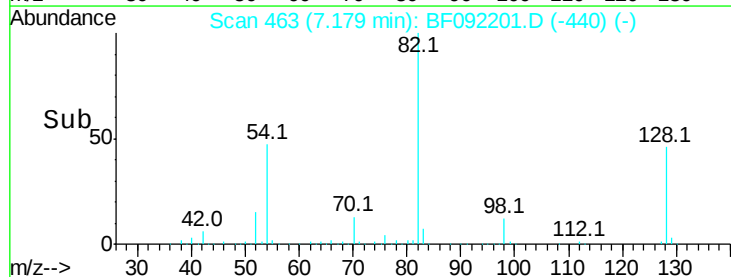
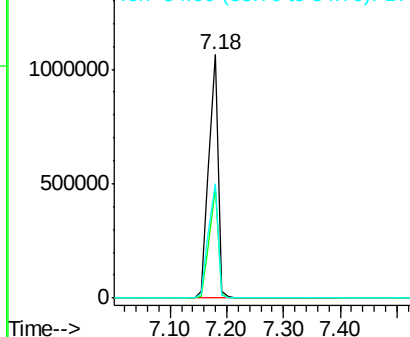


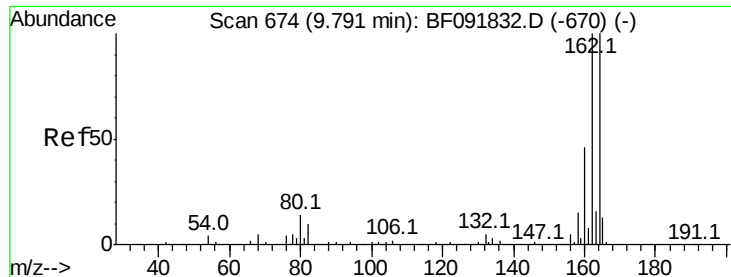
#23
Nitrobenzene-d5
Concen: 71.07 ng
RT: 7.18 min Scan# 463
Delta R.T. -0.03 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	34.6	52.0	
54	46.8	39.5	59.3	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Instrument :

BNA_F

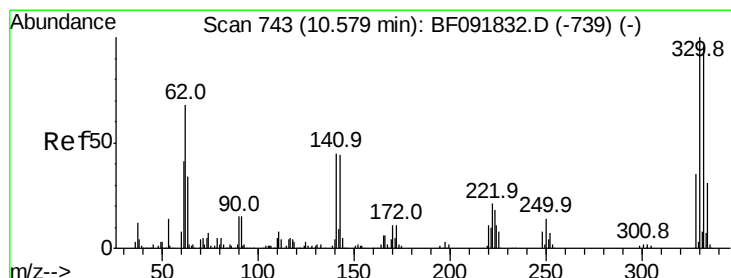
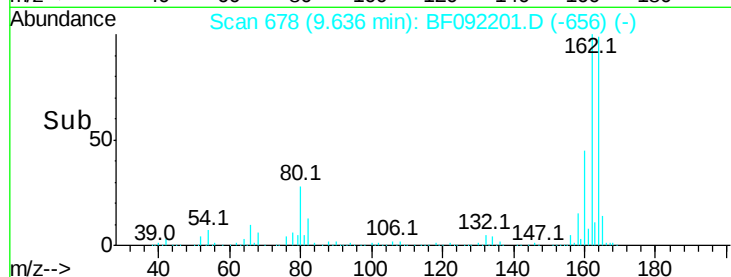
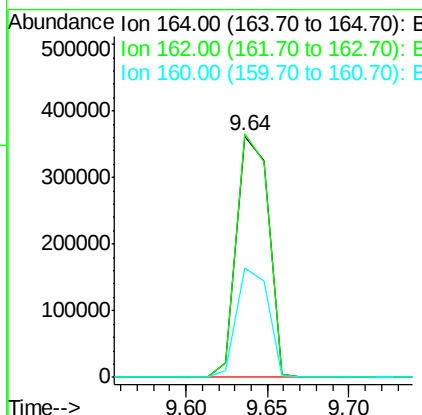
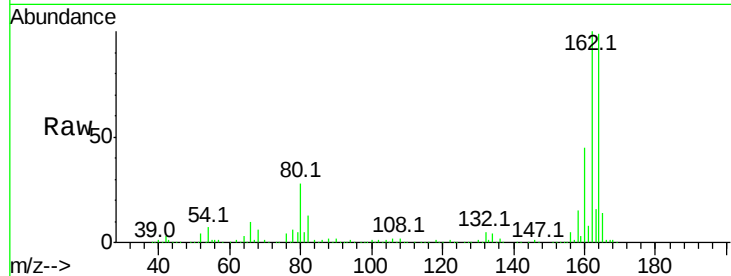
ClientSampleId :

USDOT-617122-COMP-0-2

Tot Ion:	164	Resp:	489794
Ion Ratio	Lower	Upper	
164	100		
162	100.8	80.2	120.2
160	45.1	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 107.83 ng

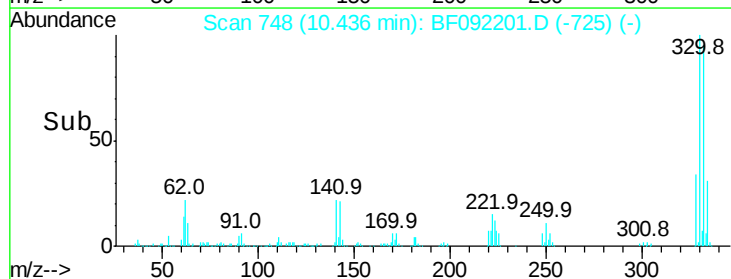
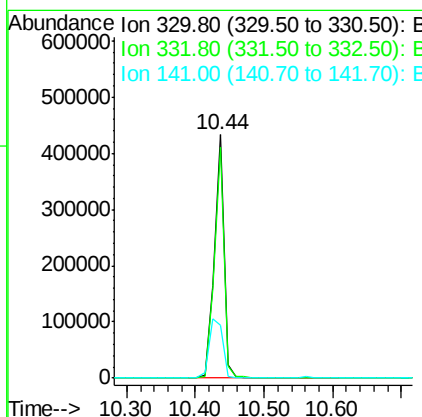
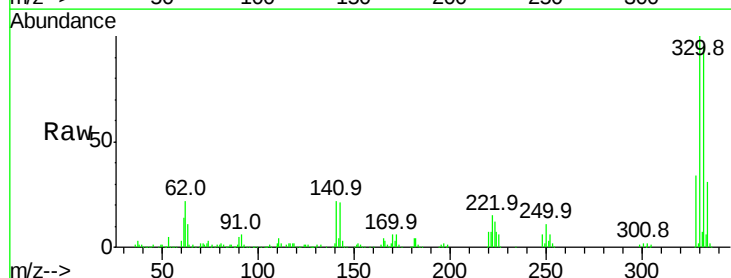
RT: 10.44 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Tgt Ion:	330	Resp:	437068
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.4	116.2
141	33.9	34.1	51.1#





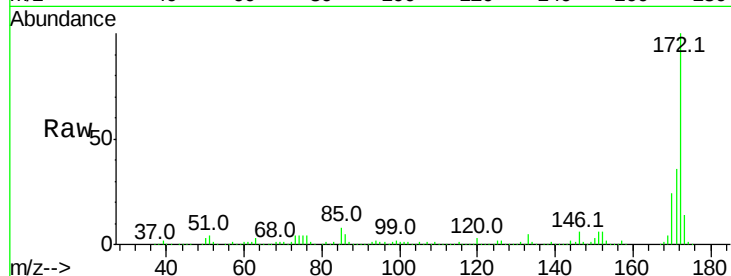
#44
2-Fluorobiphenyl
Concen: 72.42 ng
RT: 8.97 min Scan# 620
Delta R.T. -0.03 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

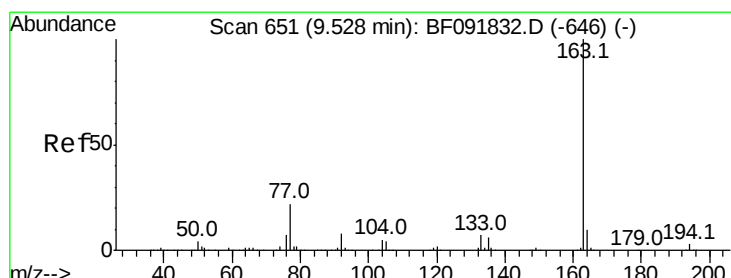
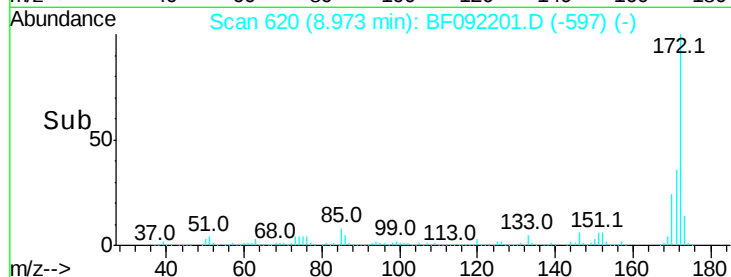
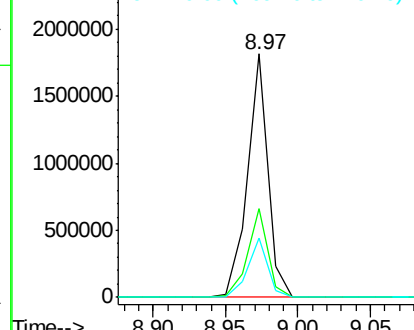
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.4	20.2	30.4

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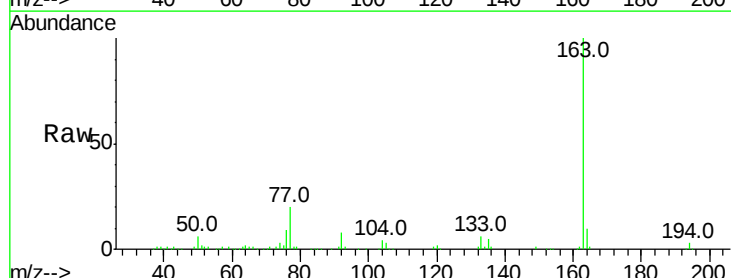


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

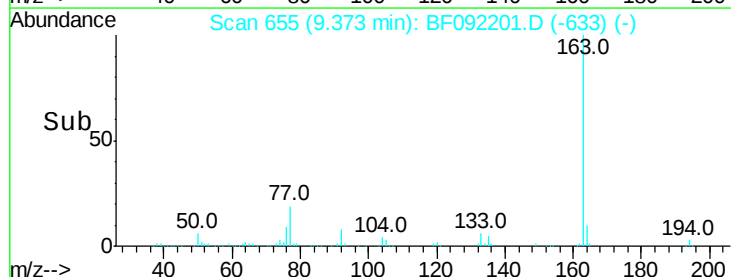
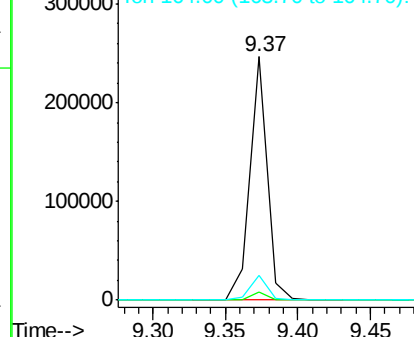


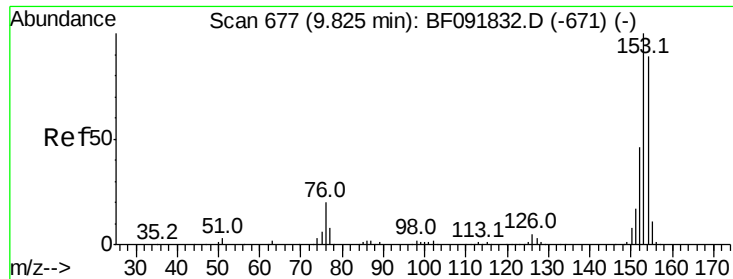
#49
Dimethylphthalate
Concen: 6.52 ng
RT: 9.37 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.1	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





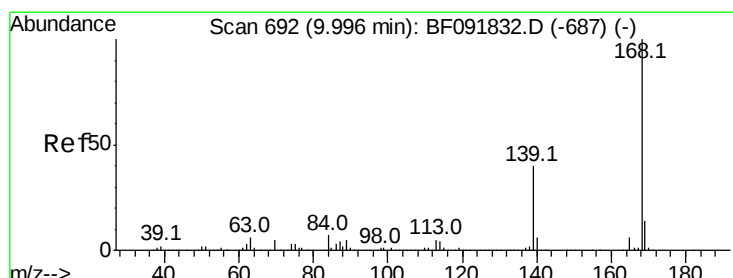
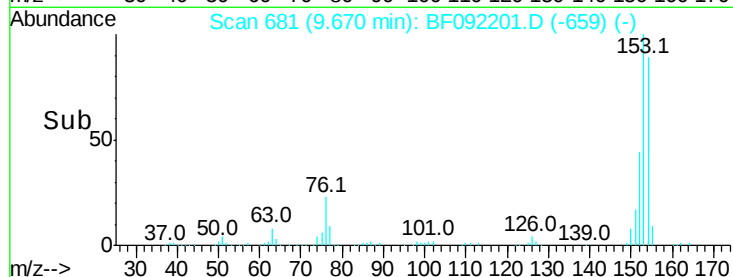
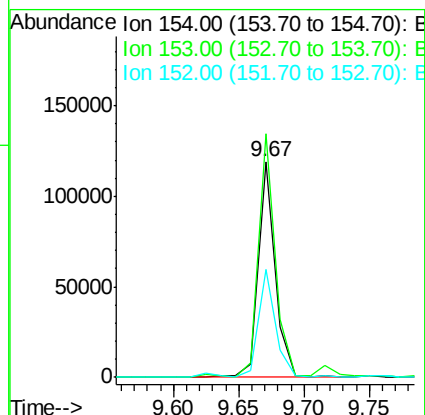
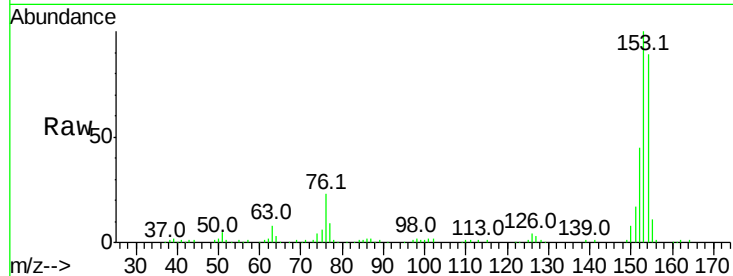
#51
Acenaphthene
Concen: 3.93 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
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ClientSampleId :
USDOT-617122-COMP-0-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.0	88.6	133.0
152	50.3	41.6	62.4

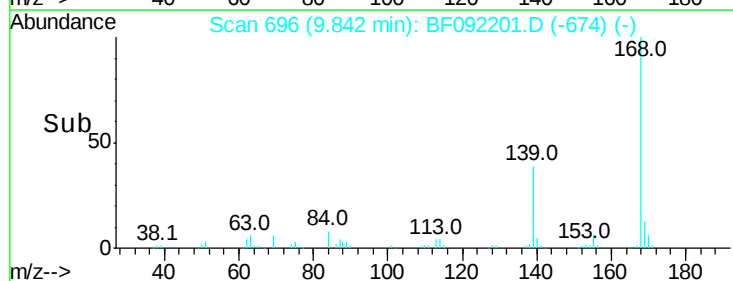
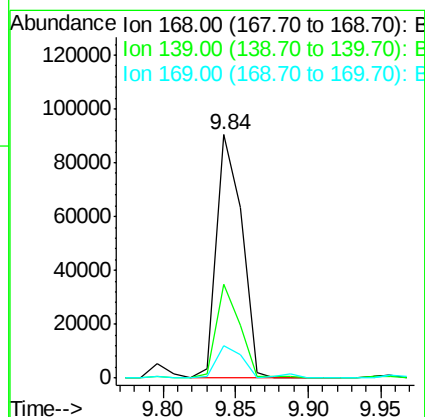
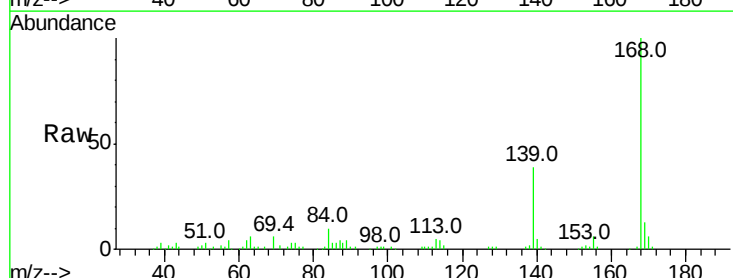
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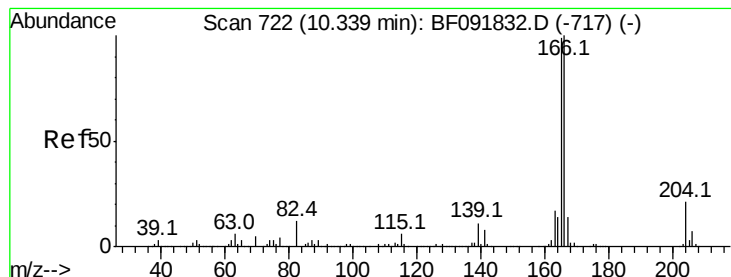
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#54
Dibenzofuran
Concen: 2.93 ng
RT: 9.84 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.7	32.6	49.0
169	13.5	11.3	16.9





#57

Fluorene

Concen: 5.20 ng

RT: 10.18 min Scan# 726

Delta R.T. -0.05 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Instrument :

BNA_F

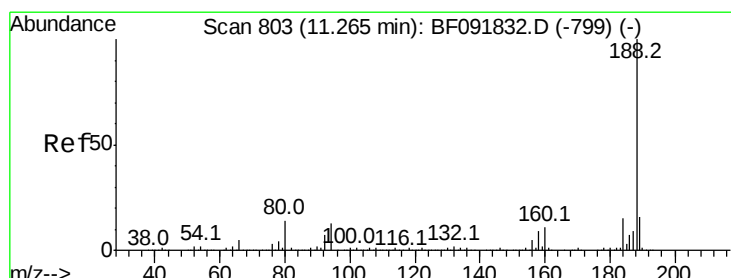
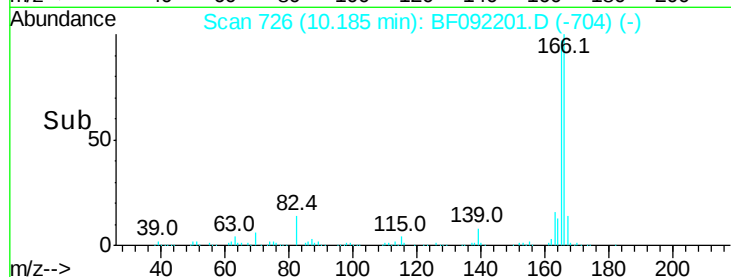
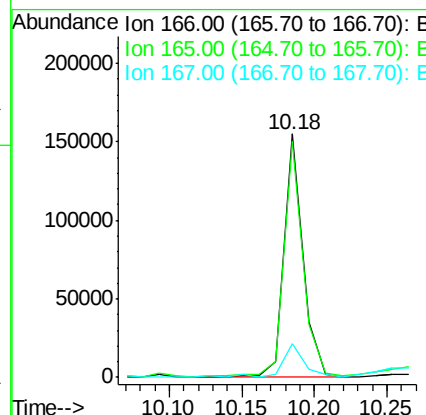
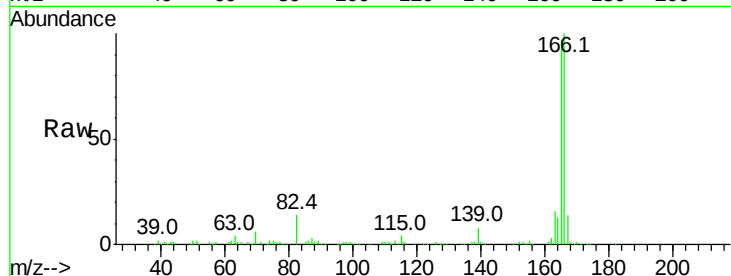
ClientSampleId :

USDOT-617122-COMP-0-2

Tot Ion:	166	Resp:	141529
Ion Ratio	Lower	Upper	
166	100		
165	96.9	77.8	116.8
167	14.1	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

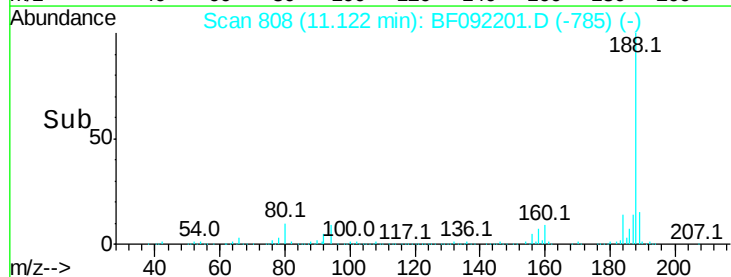
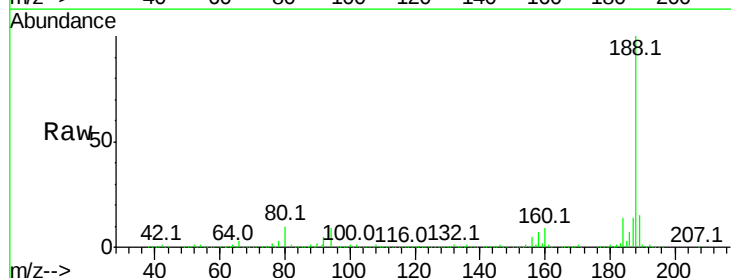
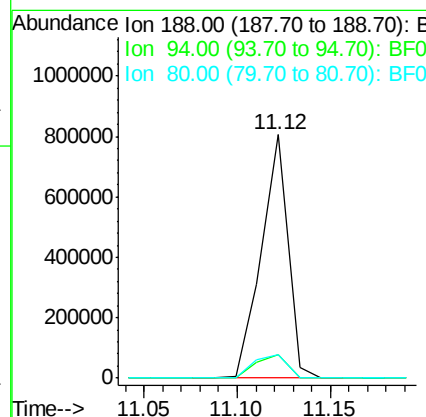
RT: 11.12 min Scan# 808

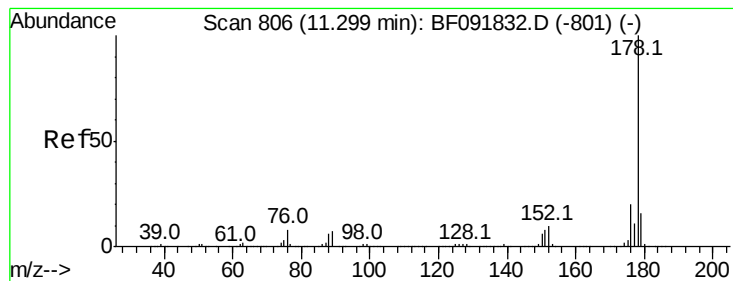
Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Tgt Ion:	188	Resp:	794832
Ion Ratio	Lower	Upper	
188	100		
94	9.5	10.0	15.0#
80	9.8	11.2	16.8#





#70

Phenanthrene

Concen: 15.21 ng

RT: 11.14 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Instrument :

BNA_F

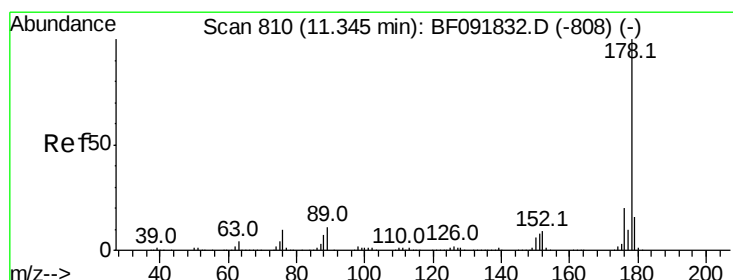
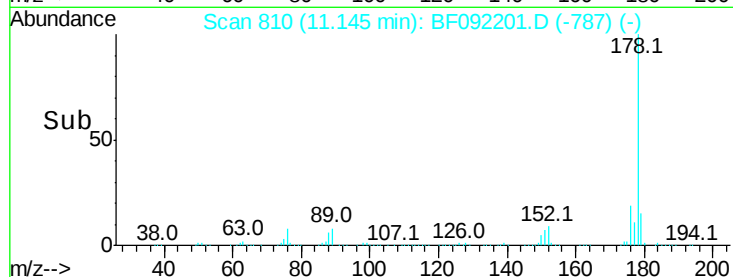
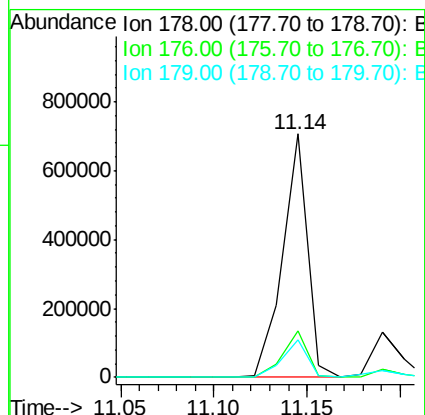
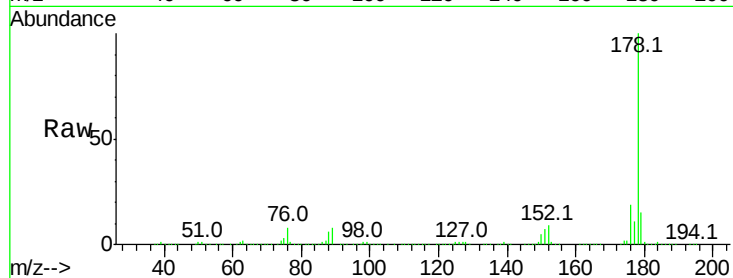
ClientSampleId :

USDOT-617122-COMP-0-2

Tot Ion:178	Resp:	655400
Ion Ratio	Lower	Upper
178	100	
176	19.3	16.6 25.0
179	15.4	12.8 19.2

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#71

Anthracene

Concen: 2.07 ng

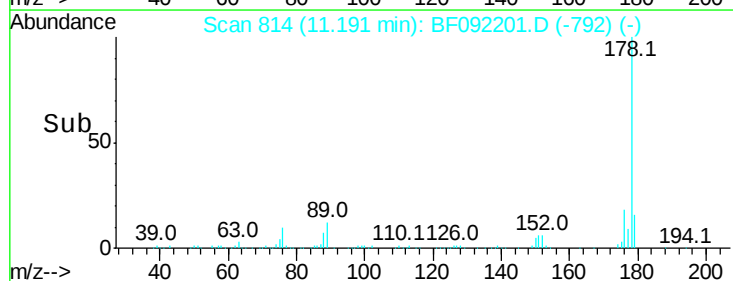
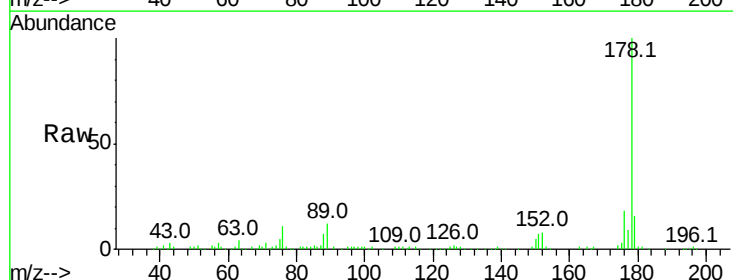
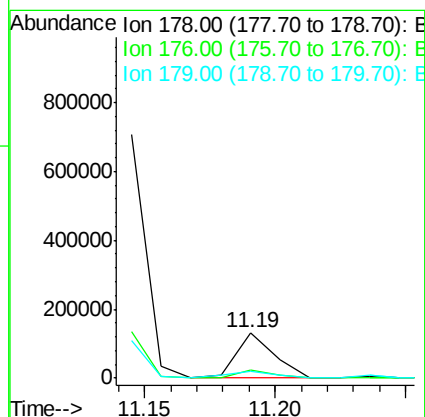
RT: 11.19 min Scan# 814

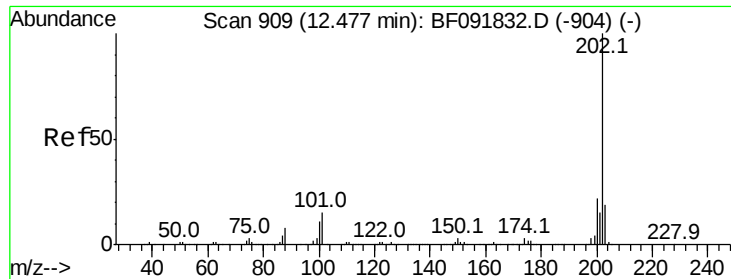
Delta R.T. -0.05 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Tgt Ion:178	Resp:	130214
Ion Ratio	Lower	Upper
178	100	
176	17.6	15.9 23.9
179	16.0	13.2 19.8





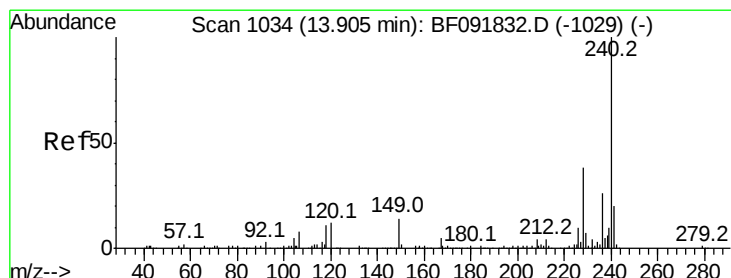
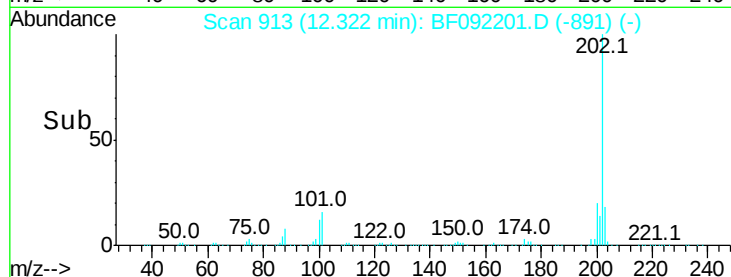
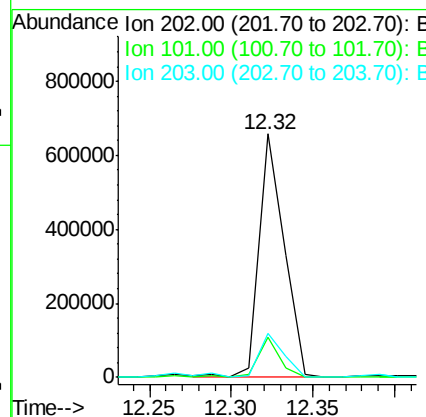
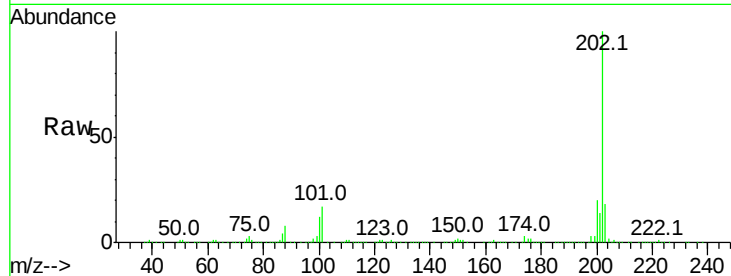
#74
Fluoranthene
Concen: 16.10 ng
RT: 12.32 min Scan# 913
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.6	0.0	34.6
203	17.9	0.0	38.7

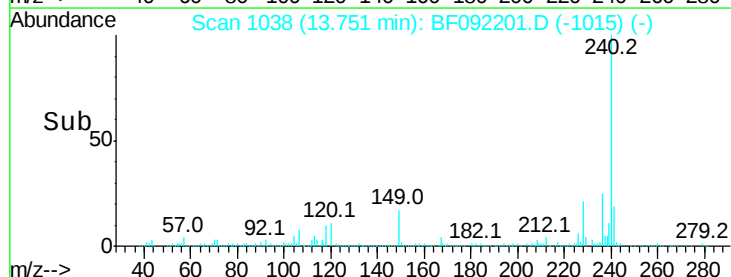
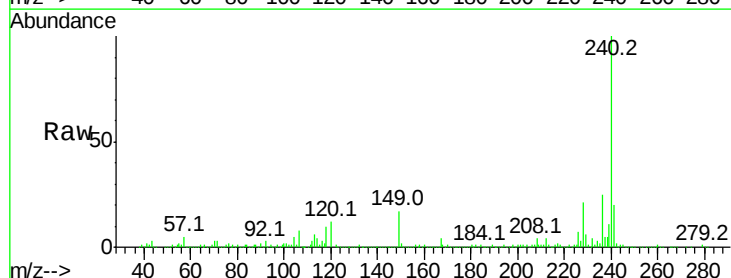
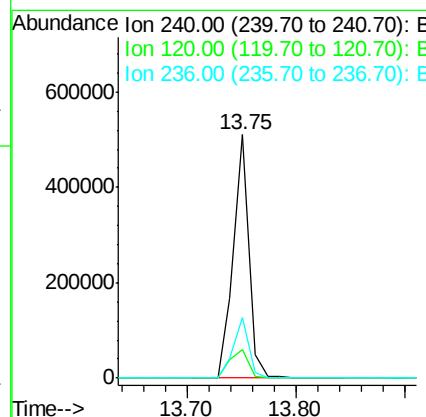
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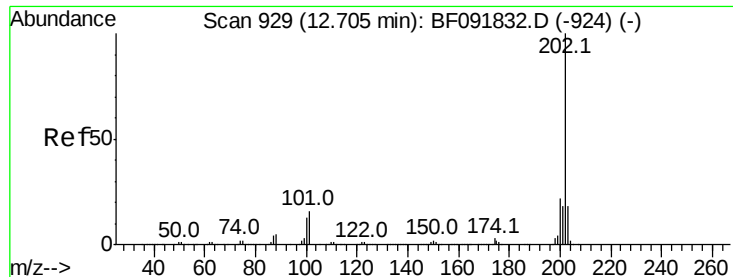
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	12.9	19.3#
236	24.9	20.9	31.3





#77

Pvrene

Concen: 25.63 ng

RT: 12.55 min Scan# 933

Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Instrument :

BNA_F

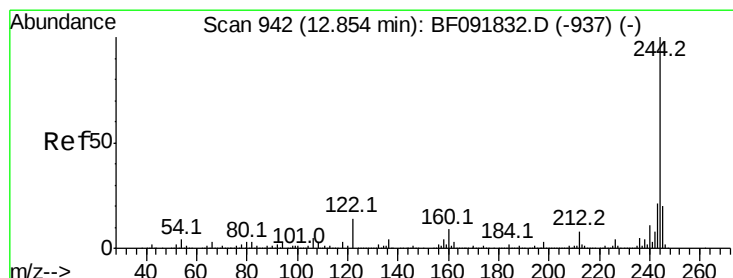
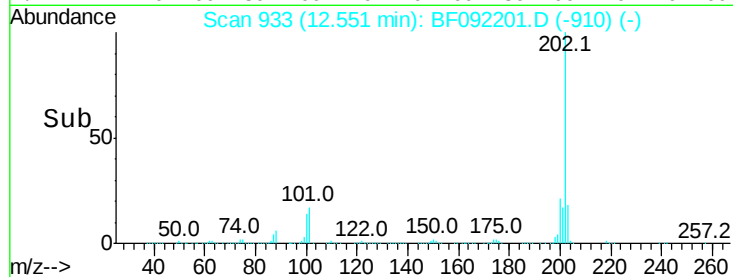
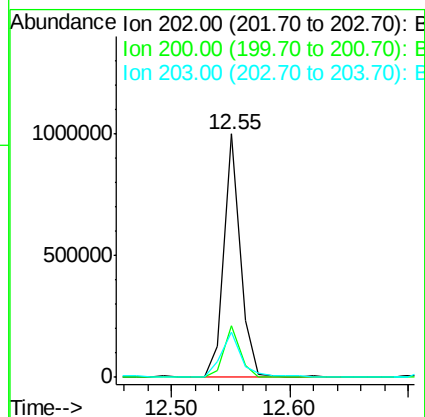
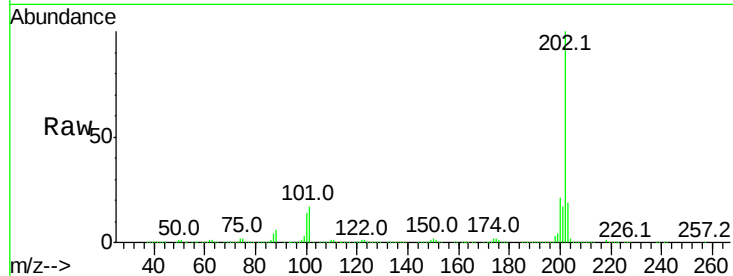
ClientSampleId :

USDOT-617122-COMP-0-2

Tot Ion:	202	Resp:	949141
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	18.8	14.7	22.1

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#78

Terphenyl-d14

Concen: 76.02 ng

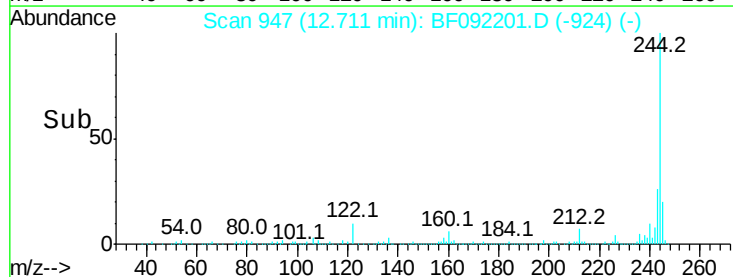
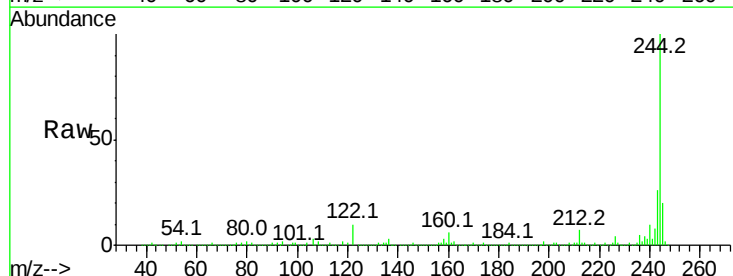
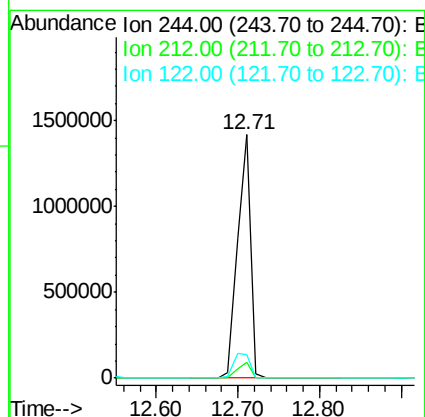
RT: 12.71 min Scan# 947

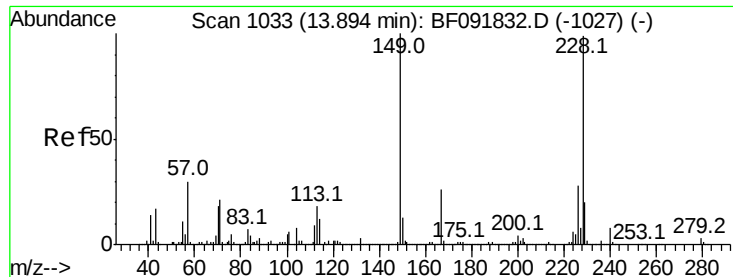
Delta R.T. -0.03 min

Lab File: BF092201.D

Acq: 11 Jan 2017 17:15

Tgt Ion:	244	Resp:	1581833
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.2	9.2
122	9.8	11.4	17.2#





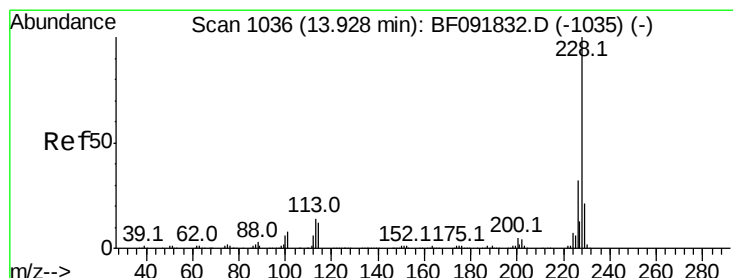
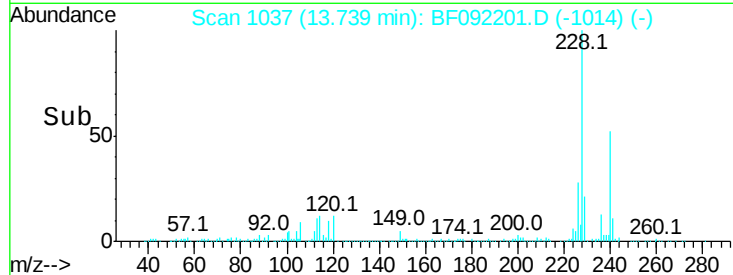
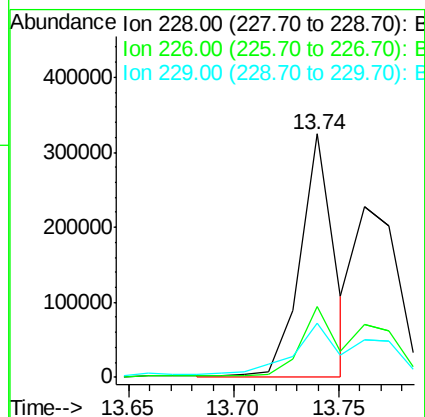
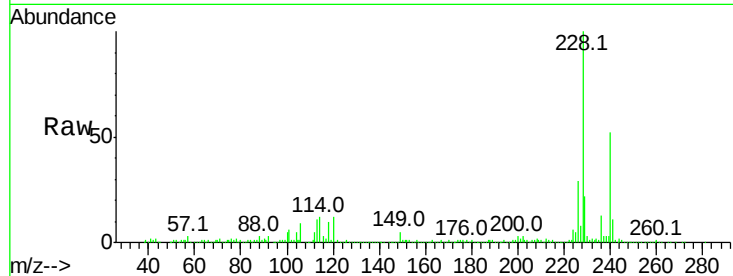
#80
 Benzo(a)anthracene
 Concen: 12.91 ng m
 RT: 13.74 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BF092201.D
 Acq: 11 Jan 2017 17:15

Instrument :
 BNA_F
 ClientSampleId :
 USDOT-617122-COMP-0-2

Tot Ion:	228	Resp:	367735
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.4	33.6
229	22.0	16.2	24.4

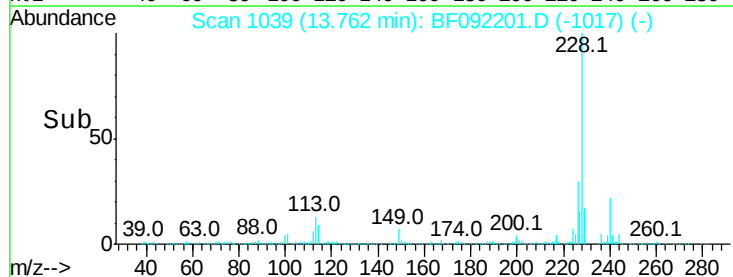
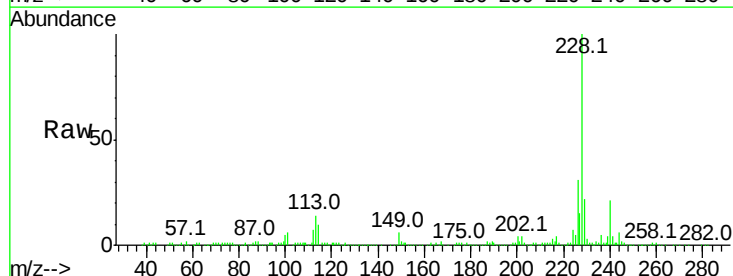
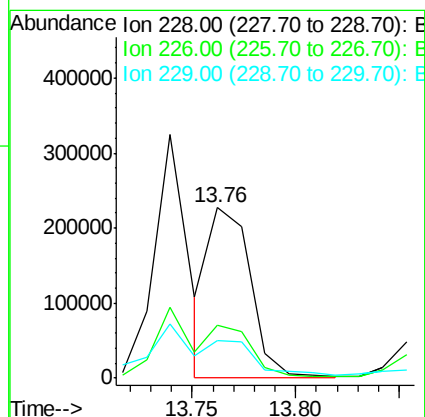
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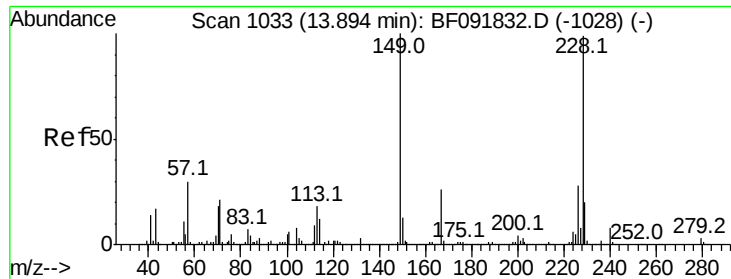
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#82
 Chrysene
 Concen: 11.42 ng m
 RT: 13.76 min Scan# 1039
 Delta R.T. -0.05 min
 Lab File: BF092201.D
 Acq: 11 Jan 2017 17:15

Tgt Ion:	228	Resp:	326335
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.4	38.0
229	22.0	16.2	24.2





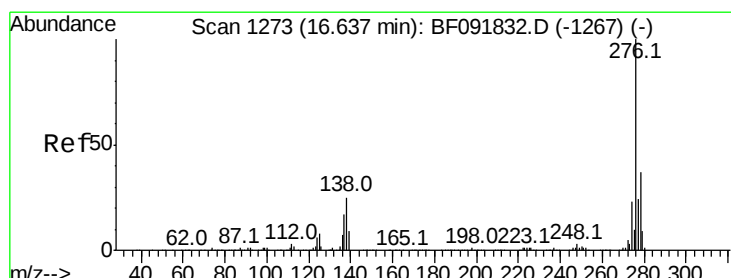
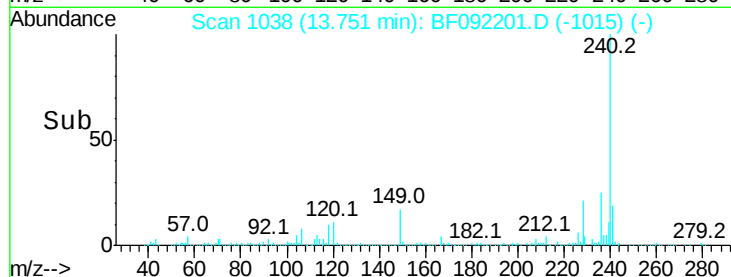
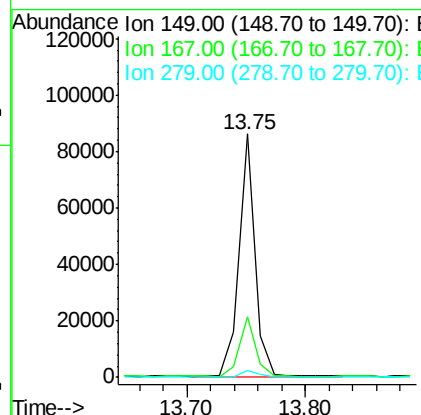
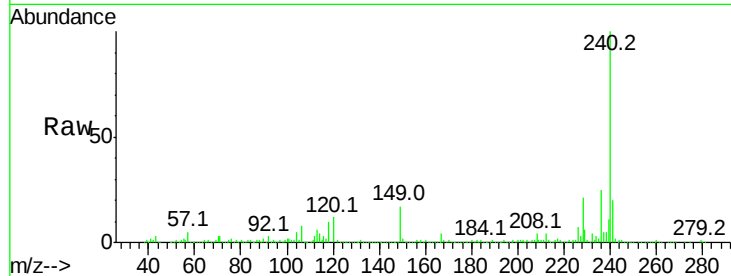
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.09 ng
 RT: 13.75 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF092201.D
 Acq: 11 Jan 2017 17:15

Instrument :
 BNA_F
 ClientSampleId :
 USDOT-617122-COMP-0-2

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	24.9	20.2	30.4	
279	3.0	1.8	2.8	

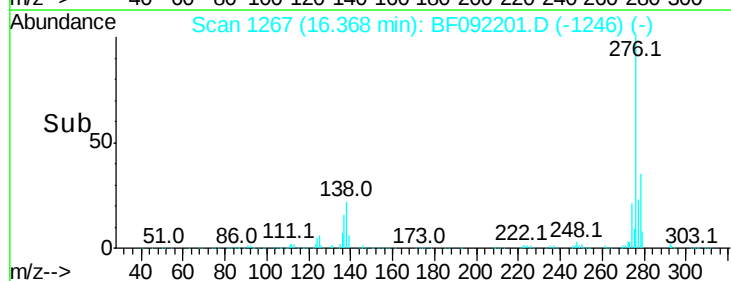
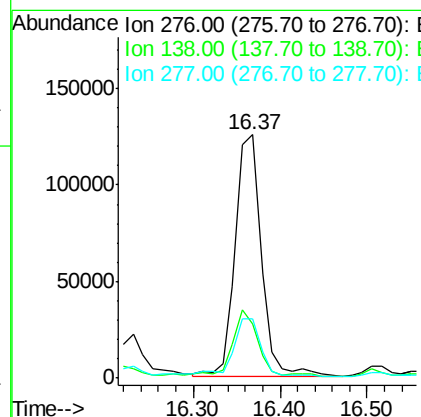
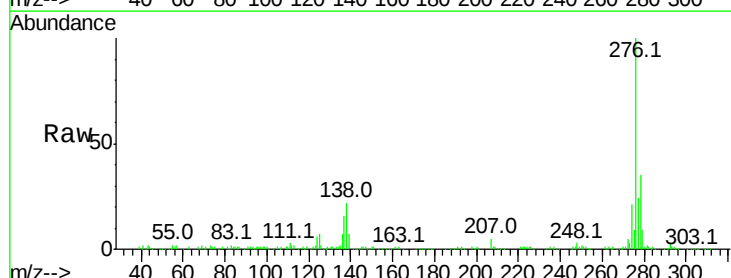
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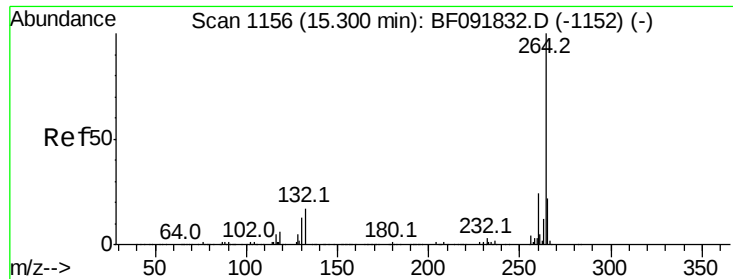
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.57 ng
 RT: 16.37 min Scan# 1267
 Delta R.T. -0.06 min
 Lab File: BF092201.D
 Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	27.8	21.8	32.6	
277	27.3	20.2	30.4	





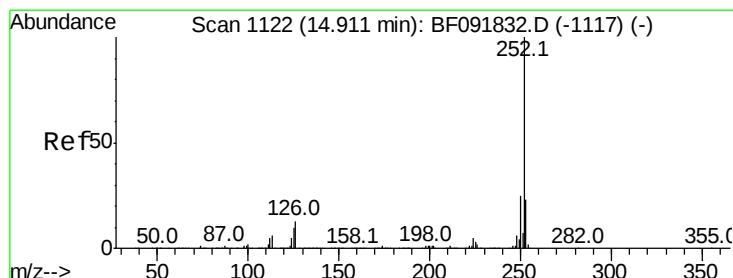
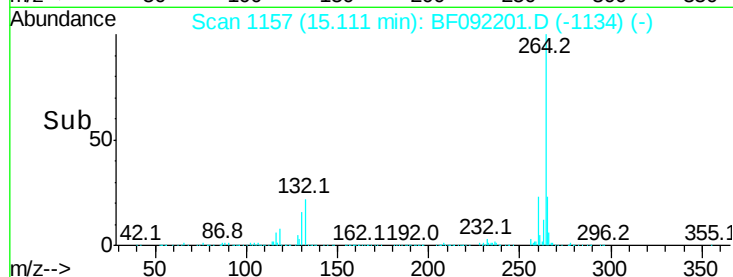
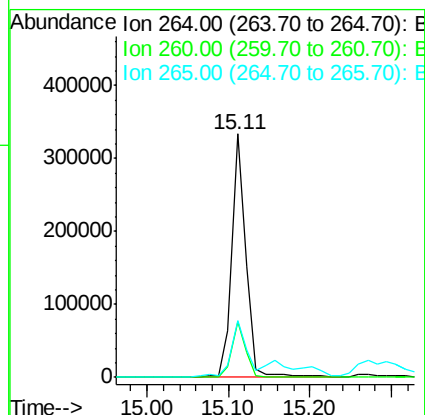
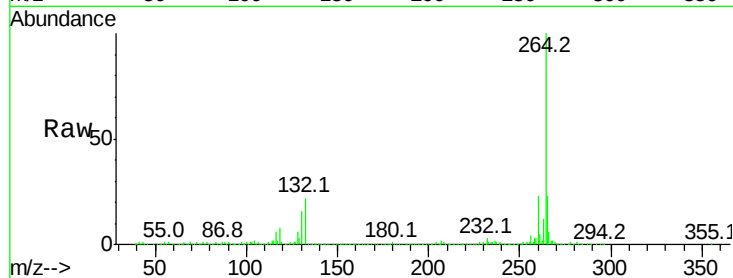
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1157
Delta R.T. -0.03 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	23.5	17.4	26.0

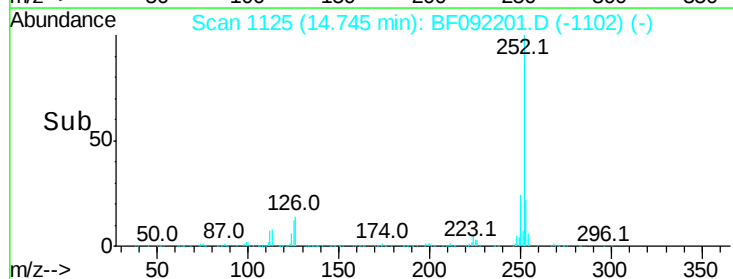
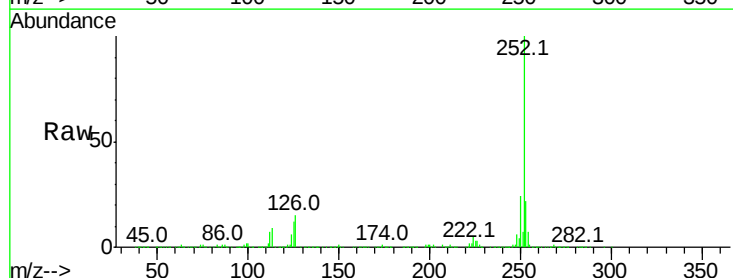
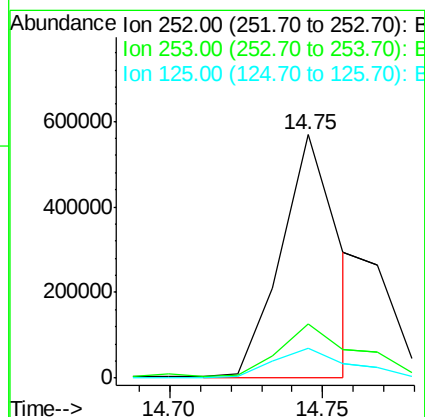
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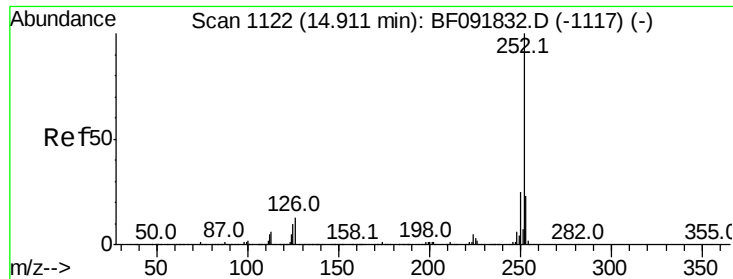
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#87
Benzo(b)fluoranthene
Concen: 29.72 ng m
RT: 14.75 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.3	9.8	14.6





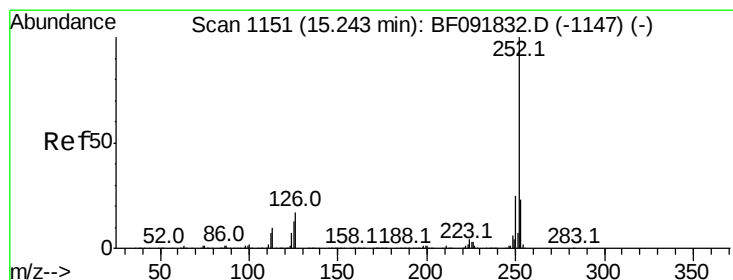
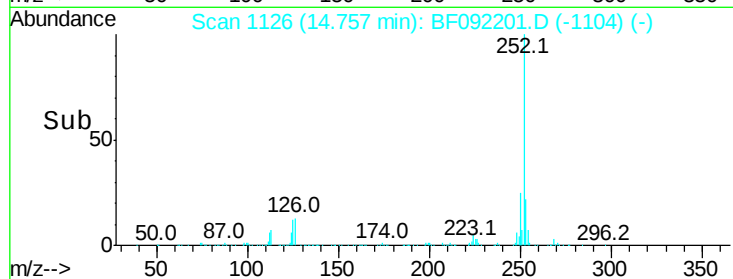
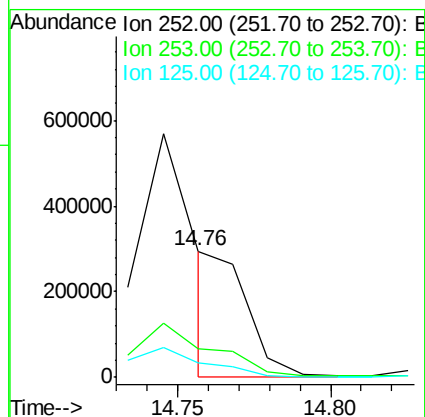
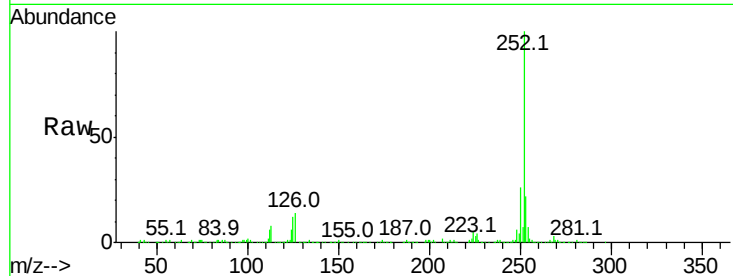
#88
Benzo(k)fluoranthene
Concen: 10.25 ng m
RT: 14.76 min Scan# 1126
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	218560		
253	22.2	18.5	27.7	
125	11.9	8.9	13.3	

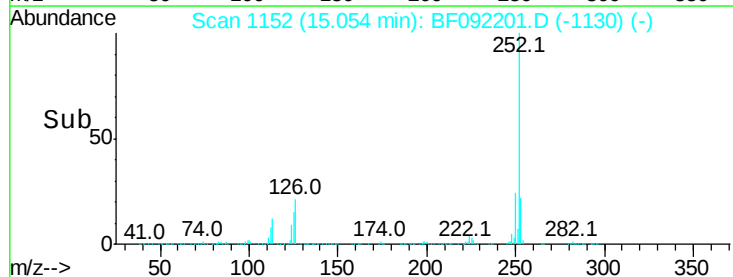
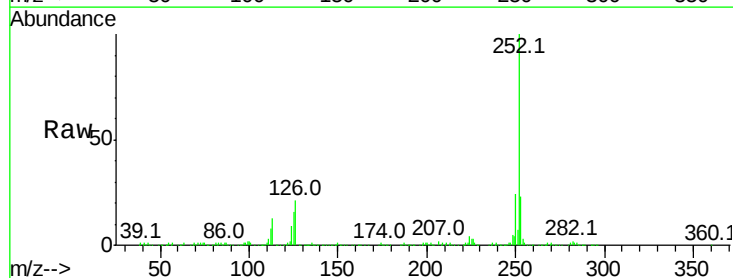
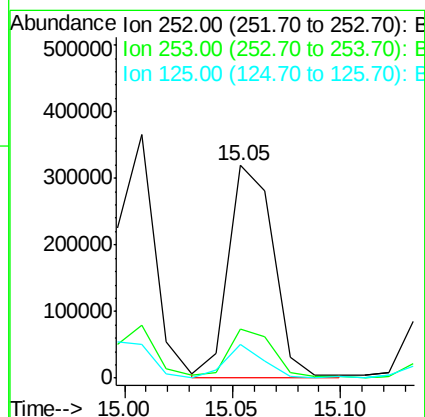
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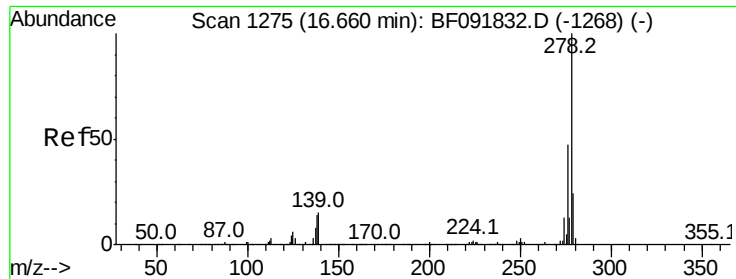
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#89
Benzo(a)pyrene
Concen: 20.90 ng m
RT: 15.05 min Scan# 1152
Delta R.T. -0.05 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	463741		
253	22.9	18.2	27.2	
125	15.6	10.0	15.0	





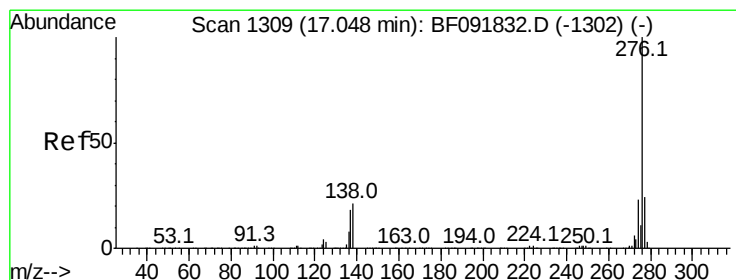
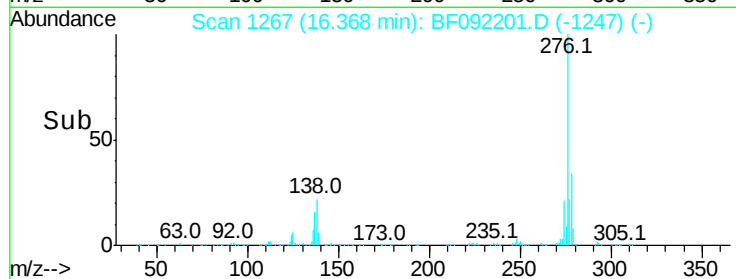
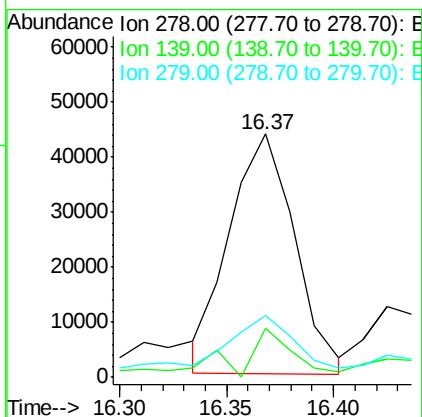
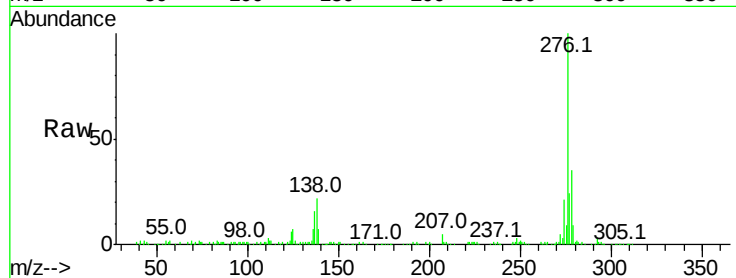
#90
Dibenzo(a,h)anthracene
Concen: 5.13 ng m
RT: 16.37 min Scan# 1267
Delta R.T. -0.07 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Instrument :
BNA_F
ClientSampleId :
USDOT-617122-COMP-0-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.0	14.8	22.2
279	25.6	19.8	29.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.36 ng
RT: 16.73 min Scan# 1299
Delta R.T. -0.07 min
Lab File: BF092201.D
Acq: 11 Jan 2017 17:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	25.5	16.0	24.0

