

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071015\
 Data File : BF080422.D
 Acq On : 11 Jul 2015 8:24
 Operator : TP/UM
 Sample : G2925-06 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

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Quant Time: Jul 13 01:27:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	21321	20.00	ng	-0.01
21) Naphthalene-d8	8.43	136	87782	20.00	ng	0.00
38) Acenaphthene-d10	10.19	164	44054	20.00	ng	0.00
63) Phenanthrene-d10	11.69	188	77463	20.00	ng	0.00
75) Chrysene-d12	14.48	240	93715	20.00	ng	-0.06
86) Perylene-d12	16.18	264	92994	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	53249	42.80	ng	0.00
7) Phenol-d6	6.80	99	73777	44.51	ng	0.00
23) Nitrobenzene-d5	7.71	82	45115	29.31	ng	0.00
41) 2,4,6-Tribromophenol	10.98	330	8770	20.40	ng	-0.01
44) 2-Fluorobiphenyl	9.50	172	97103	29.69	ng	0.00
78) Terphenyl-d14	13.29	244	109981	25.49	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.90	163	34353	10.32	ng	99
70) Phenanthrene	11.71	178	67928	14.60	ng	99
71) Anthracene	11.76	178	19427	4.51	ng	98
74) Fluoranthene	12.91	202	154486	32.01	ng	95
77) Pyrene	13.15	202	149690	24.93	ng	99
80) Benzo(a)anthracene	14.47	228	94650	16.03	ng	99
82) Chrysene	14.50	228	62914	11.57	ng	97
85) Indeno(1,2,3-cd)pyrene	17.83	276	57088	8.45	ng	94
87) Benzo(b)fluoranthene	15.70	252	99934m	15.47	ng	
88) Benzo(k)fluoranthene	15.71	252	43409m	8.22	ng	
89) Benzo(a)pyrene	16.11	252	80466	14.22	ng	97
90) Dibenzo(a,h)anthracene	17.84	278	13615	2.43	ng	# 83
91) Benzo(g,h,i)perylene	18.33	276	60613	10.88	ng	96

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

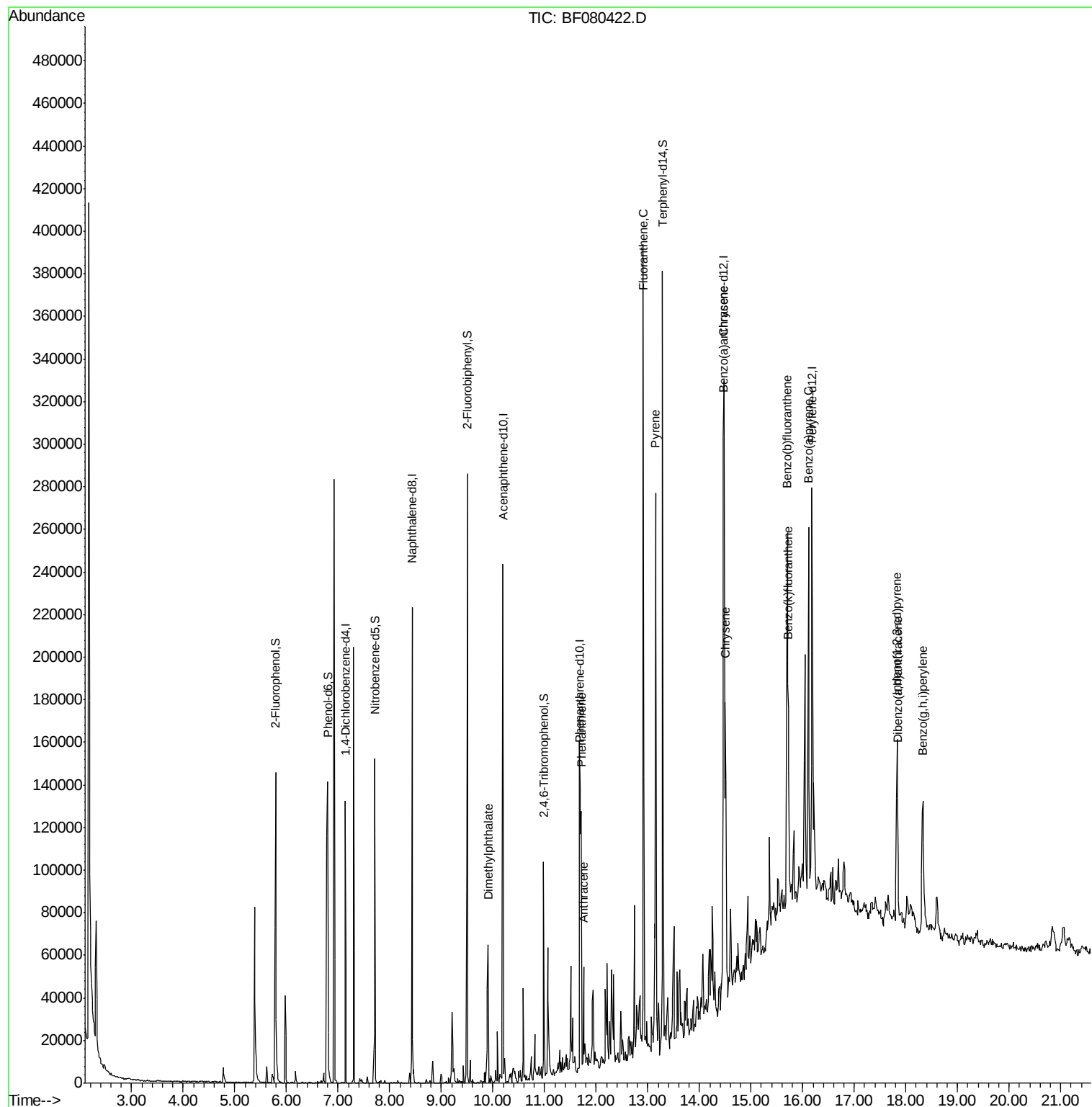
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071015\
Data File : BF080422.D
Acq On : 11 Jul 2015 8:24
Operator : TP/UM
Sample : G2925-06 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

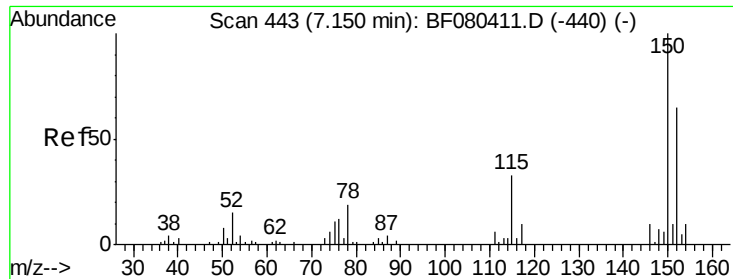
Instrument :
BNA_F
ClientSampleId :
TEC-E1

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Quant Time: Jul 13 01:27:15 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 11 05:35:30 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

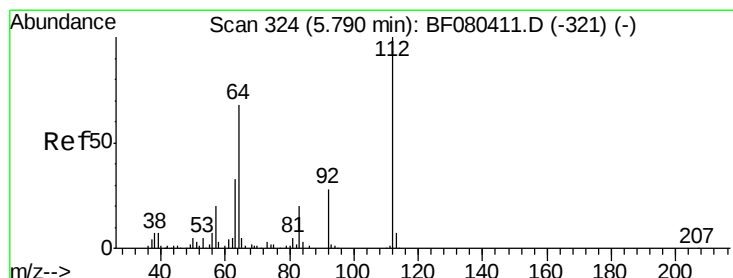
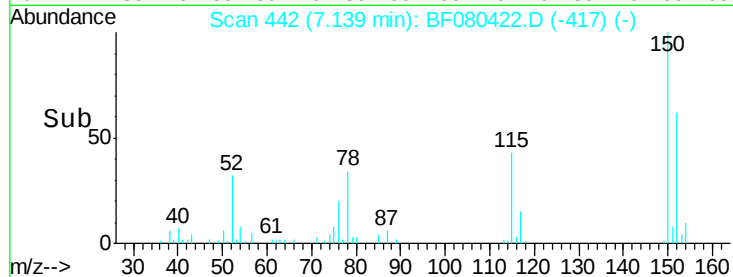
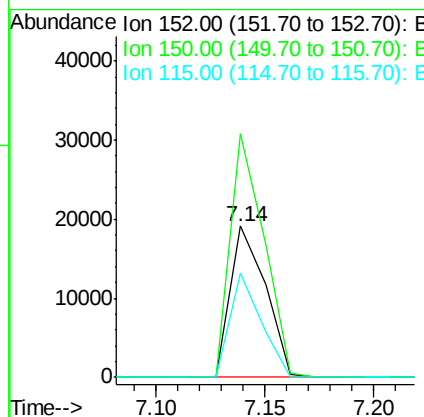
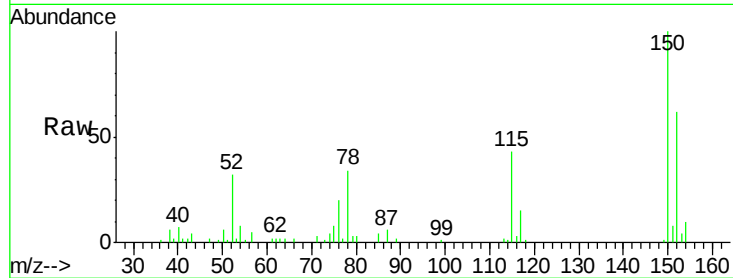
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	21321		
150	161.2	122.3	183.5	
115	68.8	41.0	61.4	



#5

2-Fluorophenol

Concen: 42.80 ng

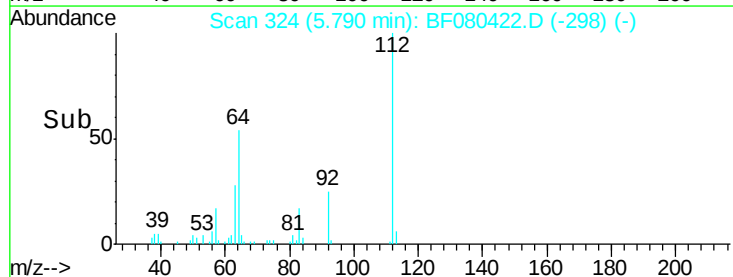
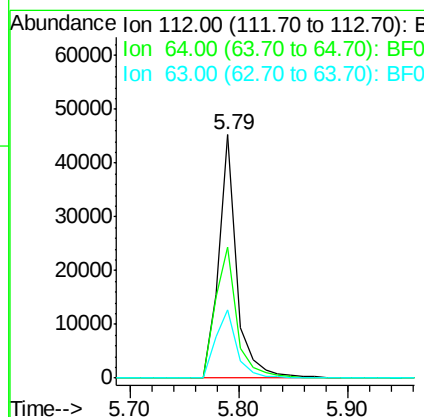
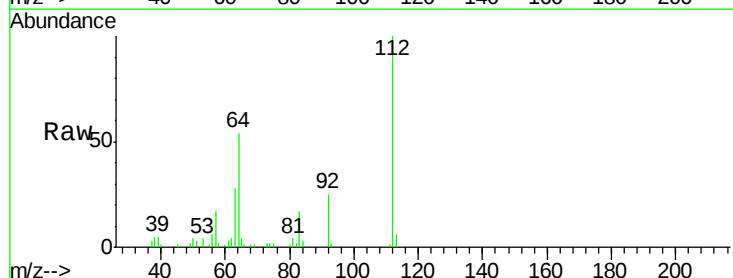
RT: 5.79 min Scan# 324

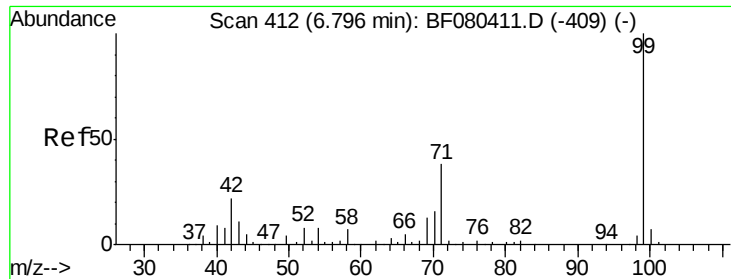
Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	53249		
64	54.0	54.3	81.5	
63	27.9	26.7	40.1	





#7

Phenol-d6

Concen: 44.51 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampled :

TEC-E1

Tgt Ion: 99 Resp: 73777

Ion Ratio Lower Upper

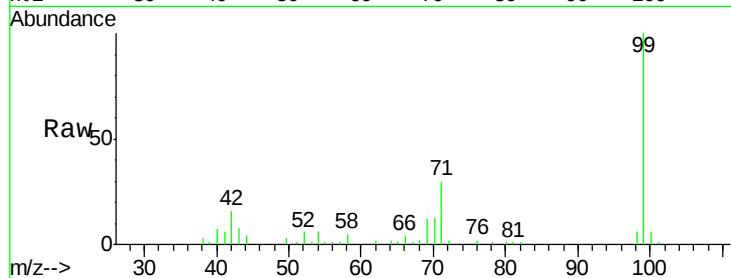
99 100

42 16.1 17.9 26.9#

71 29.6 30.1 45.1#

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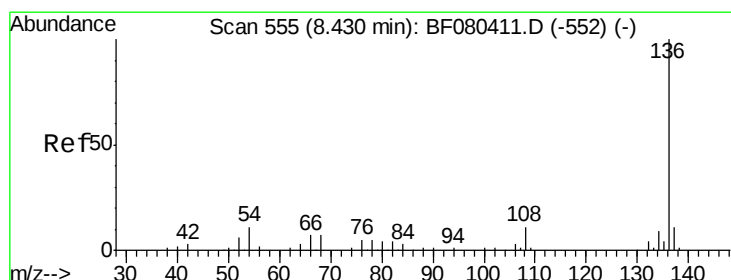
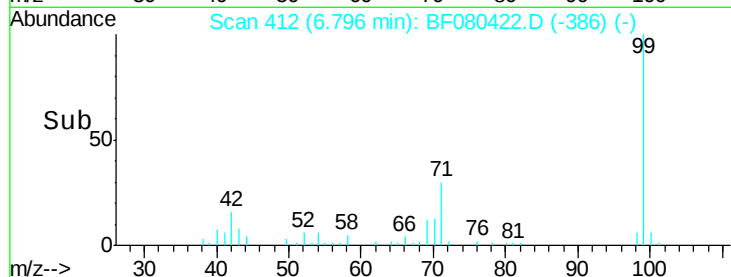
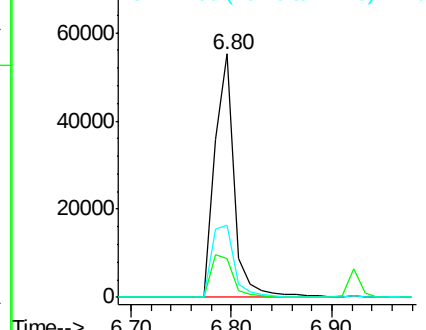
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.43 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Tgt Ion: 136 Resp: 87782

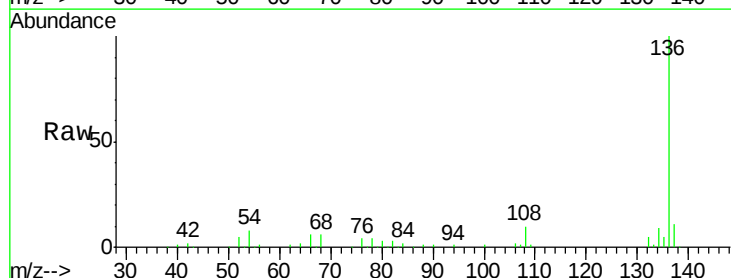
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.3 9.1 13.7#

68 5.7 5.9 8.9#

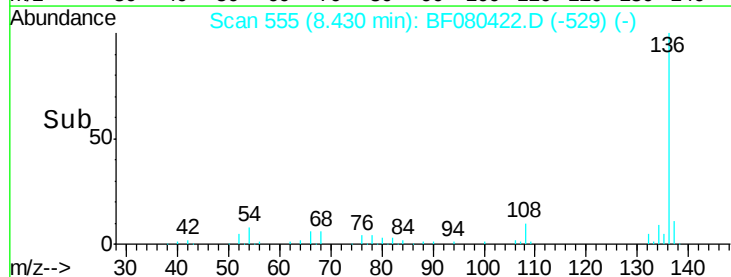
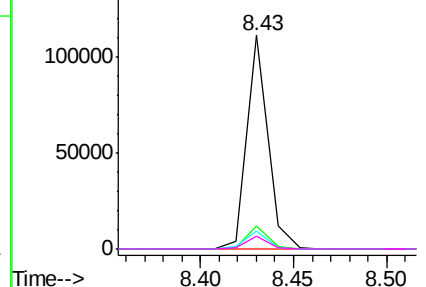


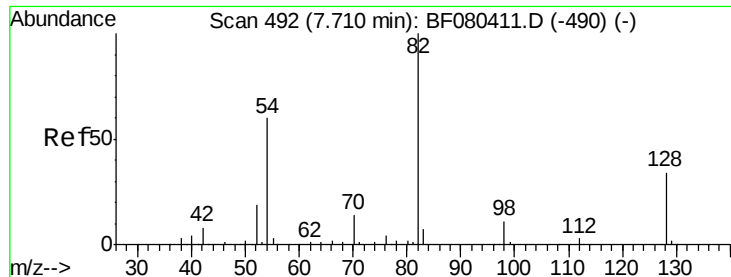
Abundance Ion 136.00 (135.70 to 136.70): E

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





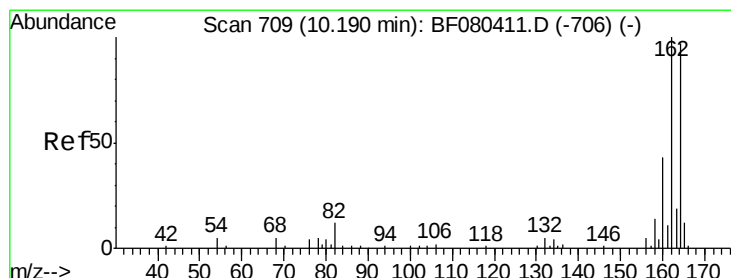
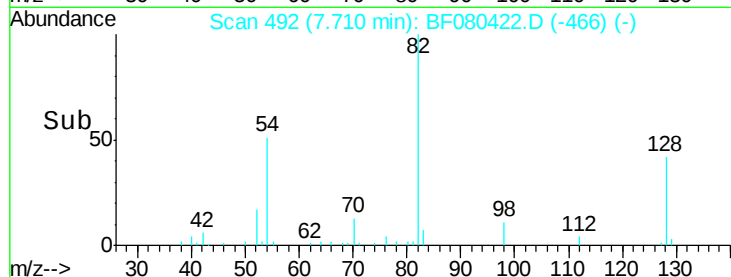
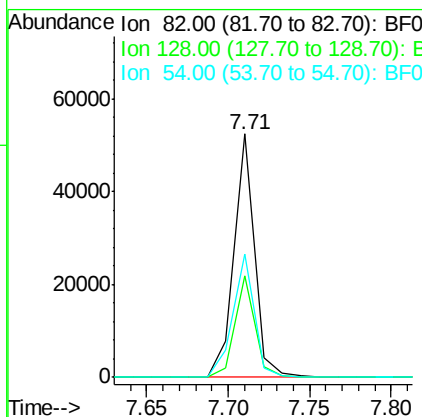
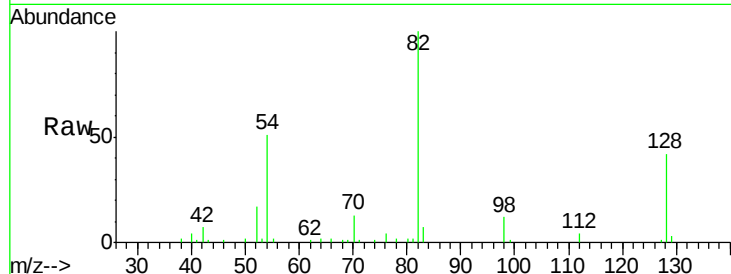
#23
 Nitrobenzene-d5
 Concen: 29.31 ng
 RT: 7.71 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Instrument :
 BNA_F
 ClientSampled :
 TEC-E1

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.0	26.9	40.3#
54	50.6	47.7	71.5

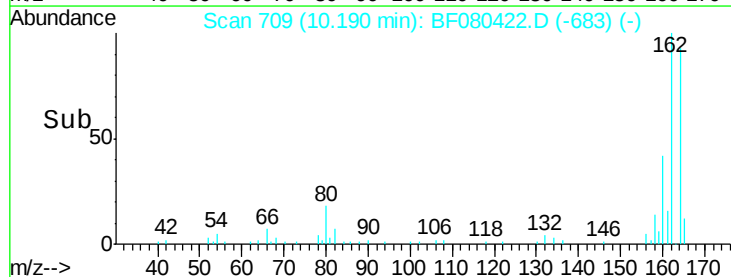
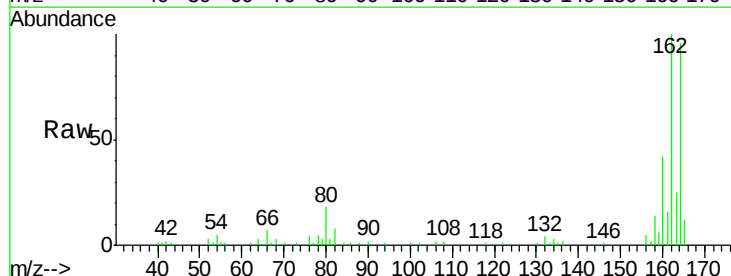
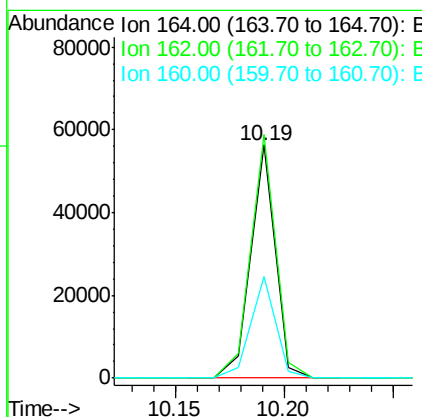
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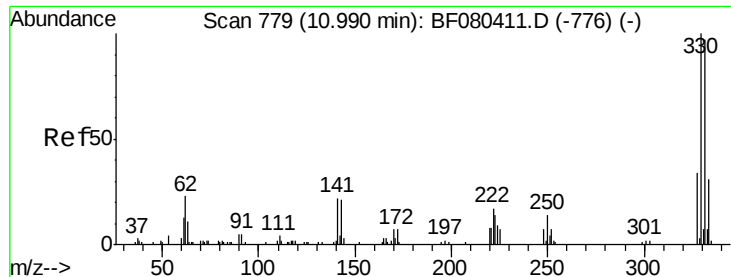
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.19 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	104.5	82.7	124.1
160	43.9	35.5	53.3





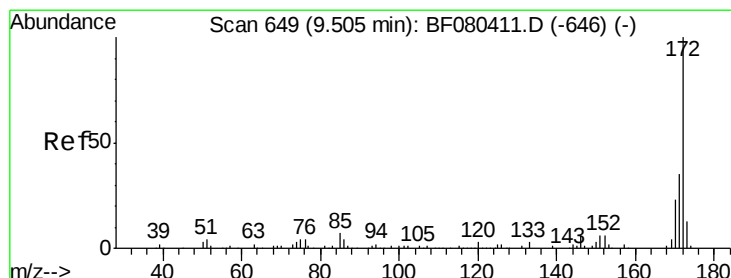
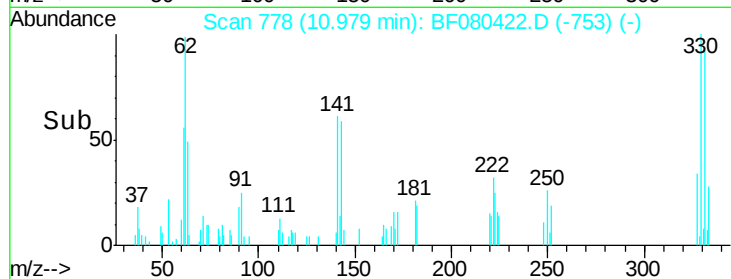
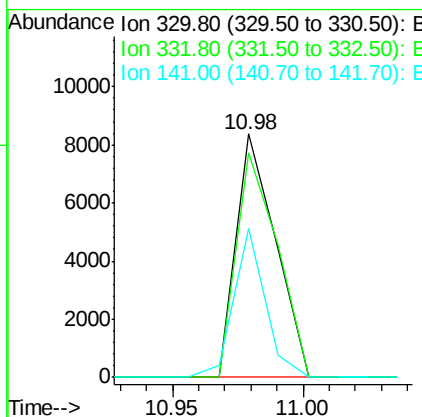
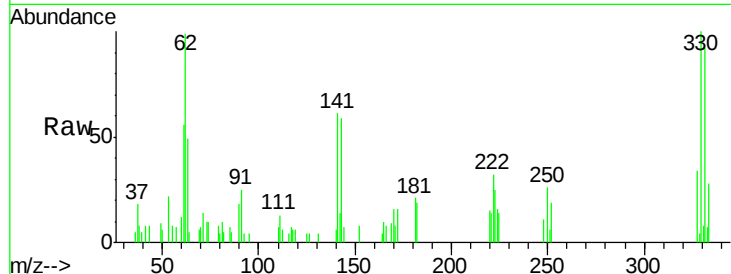
#41
 2,4,6-Tribromophenol
 Concen: 20.40 ng
 RT: 10.98 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Instrument :
 BNA_F
 ClientSampled :
 TEC-E1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	8770		
332	96.1		78.0	117.0
141	49.3		28.6	43.0

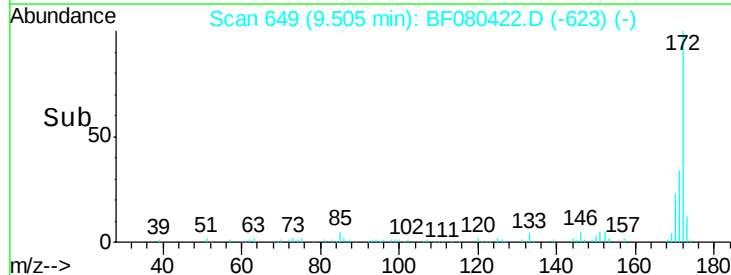
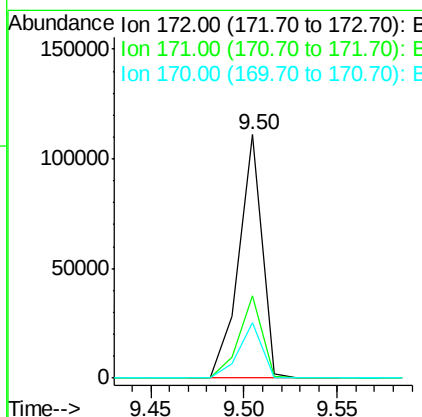
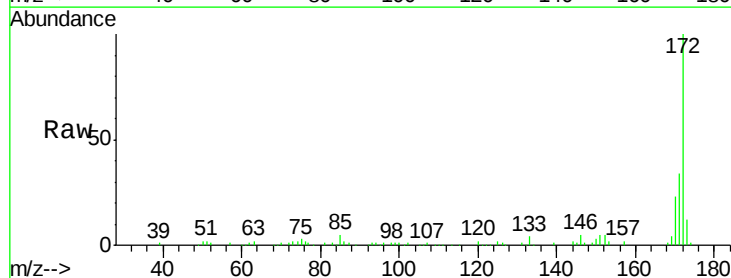
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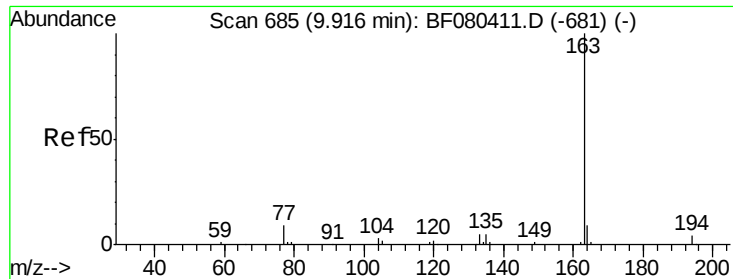
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#44
 2-Fluorobiphenyl
 Concen: 29.69 ng
 RT: 9.50 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	97103		
171	34.1		28.4	42.6
170	23.0		18.6	28.0





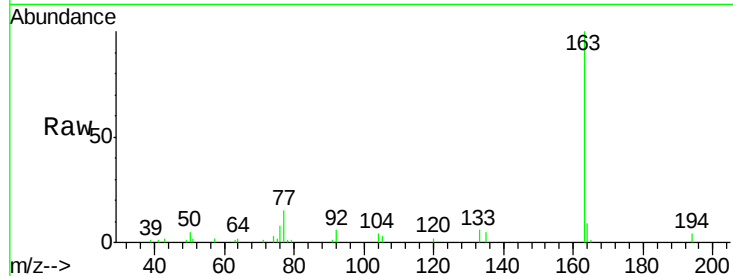
#49
Dimethylphthalate
Concen: 10.32 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Instrument :
BNA_F
ClientSampleId :
TEC-E1

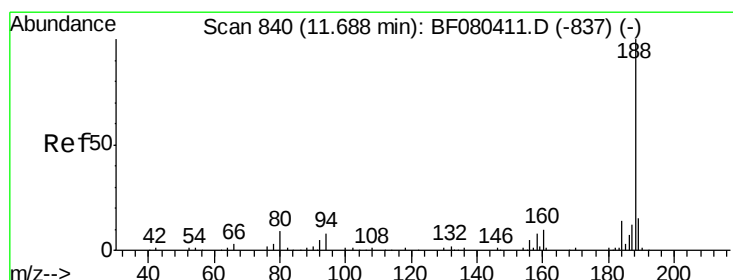
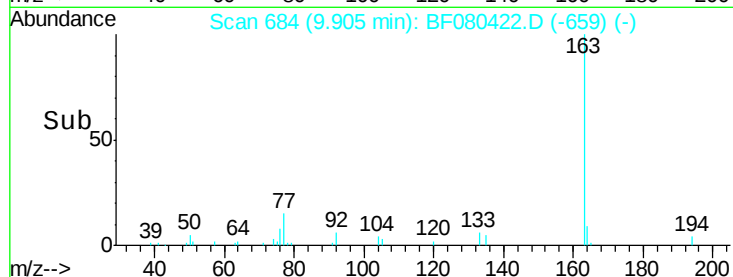
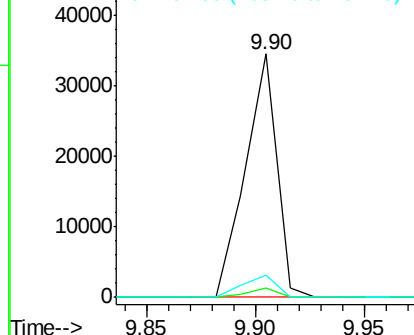
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.4	5.2
164	9.3	7.4	11.0

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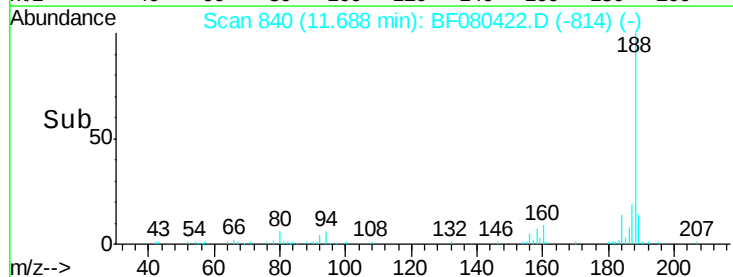
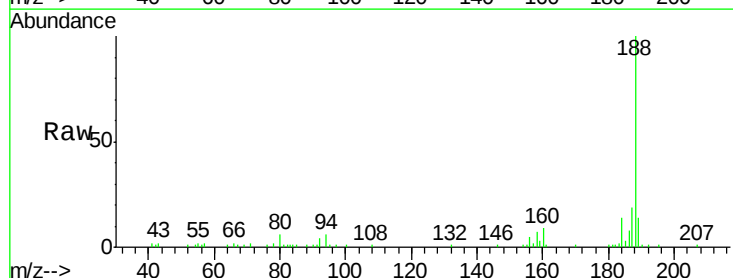
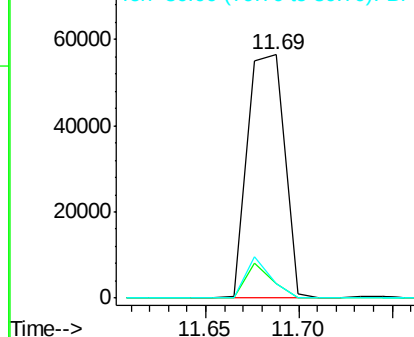
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

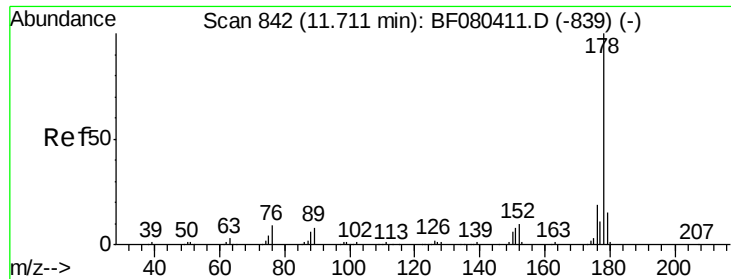


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.69 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.9	6.7	10.1#
80	6.0	7.5	11.3#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





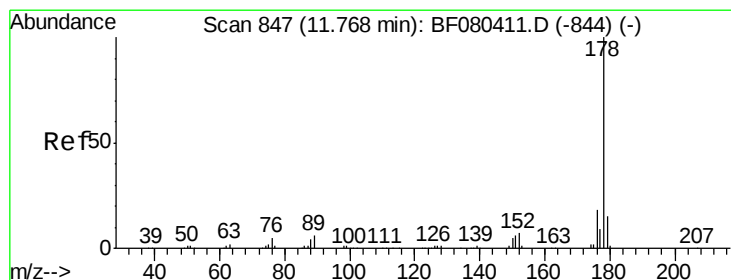
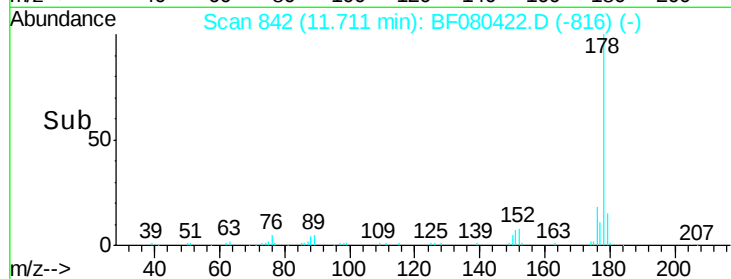
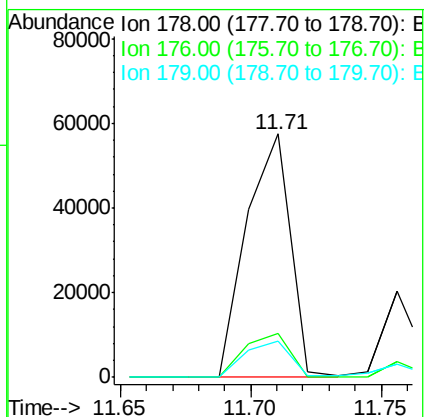
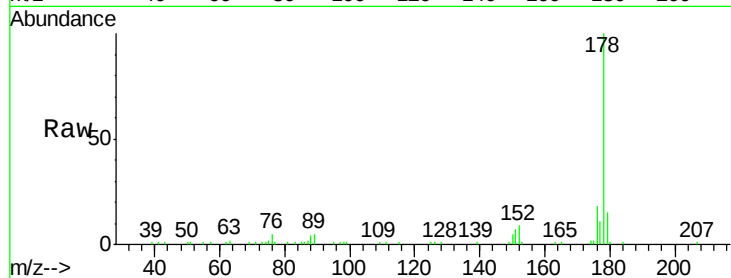
#70
Phenanthrene
Concen: 14.60 ng
RT: 11.71 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Instrument :
BNA_F
ClientSampleId :
TEC-E1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.2	22.8
179	15.2	12.4	18.6

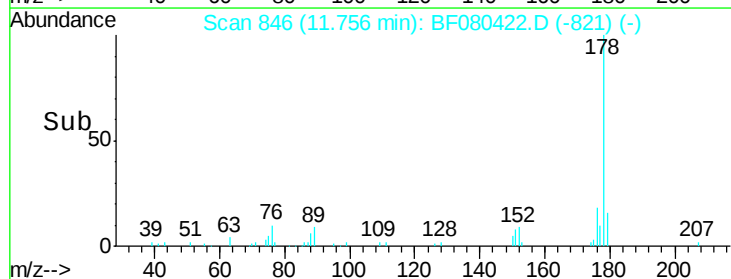
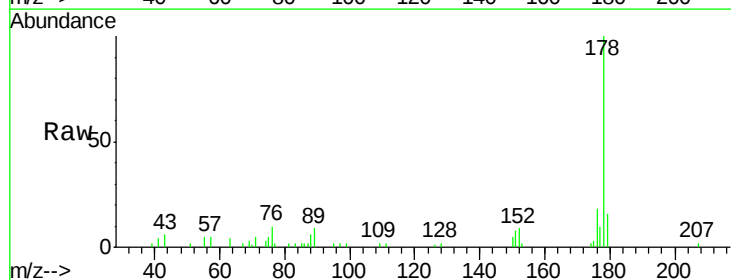
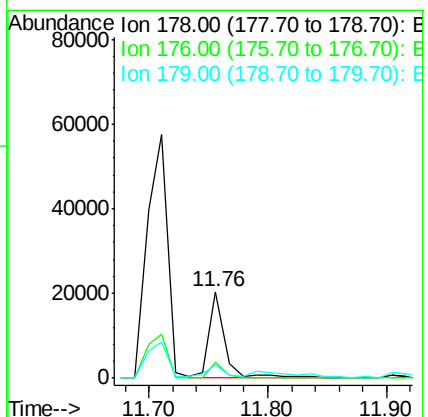
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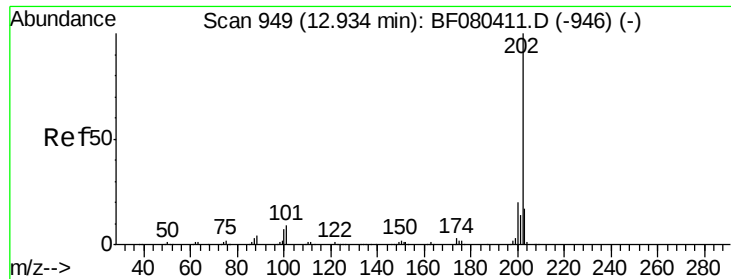
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#71
Anthracene
Concen: 4.51 ng
RT: 11.76 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.2	21.4
179	16.0	11.6	17.4





#74

Fluoranthene

Concen: 32.01 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

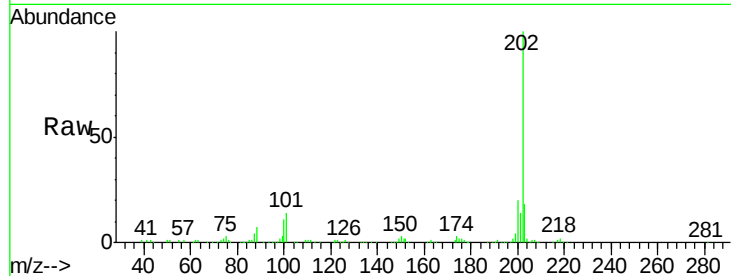
ClientSampleId :

TEC-E1

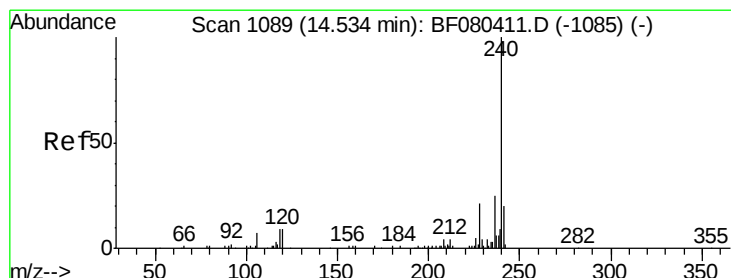
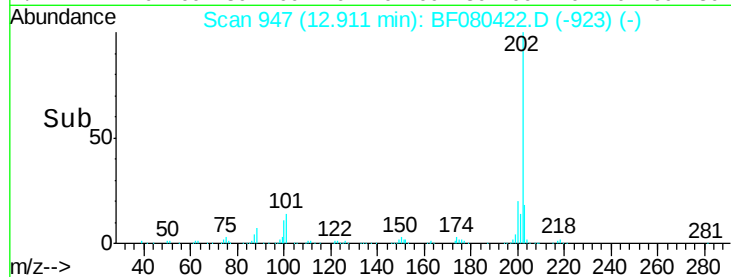
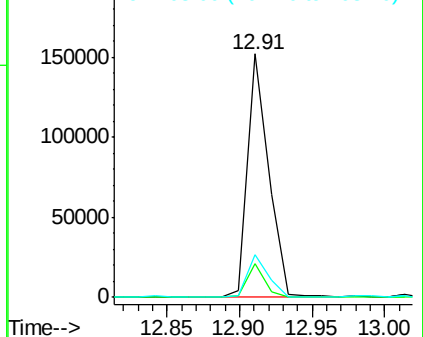
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		154486		
101	13.8	0.0	28.8		
203	17.5	0.0	37.3		

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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

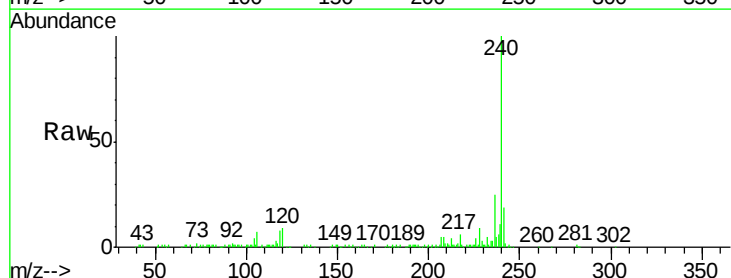
RT: 14.48 min Scan# 1084

Delta R.T. -0.06 min

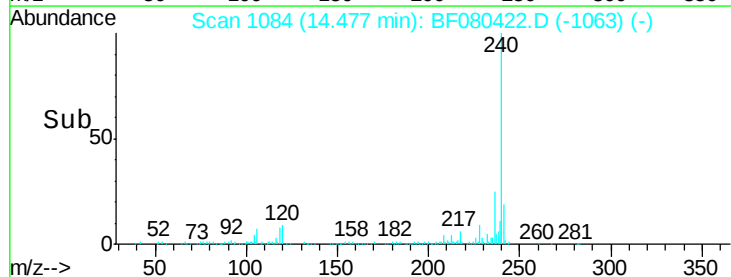
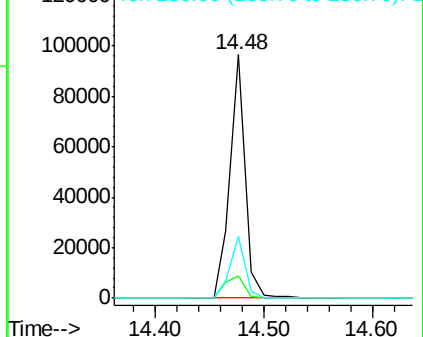
Lab File: BF080422.D

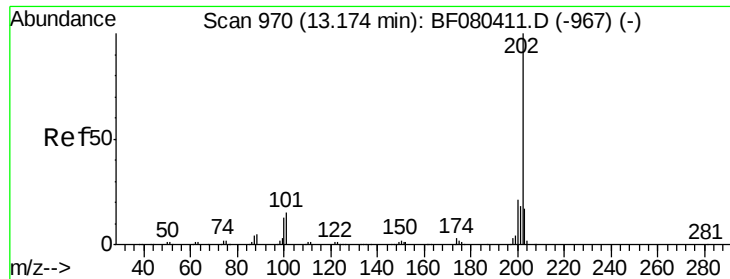
Acq: 11 Jul 2015 8:24

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		93715		
120	8.9	7.4	11.2		
236	25.3	19.7	29.5		



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





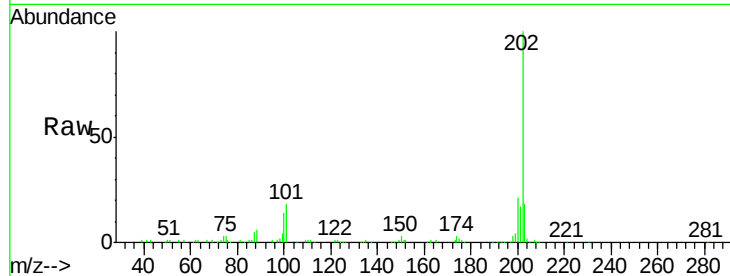
#77
Pyrene
Concen: 24.93 ng
RT: 13.15 min Scan# 968
Delta R.T. -0.02 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Instrument :
BNA_F
ClientSampleId :
TEC-E1

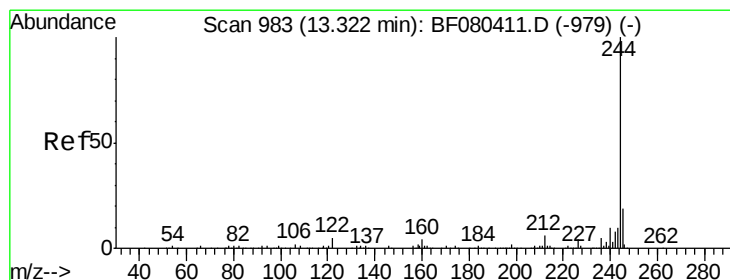
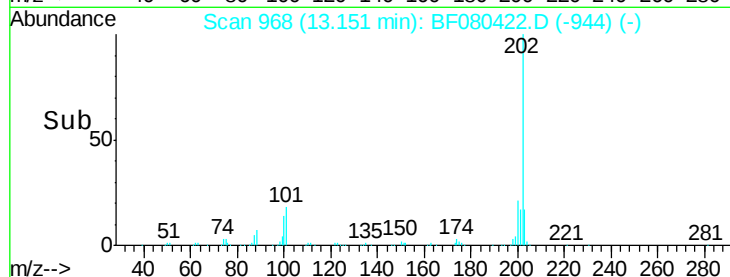
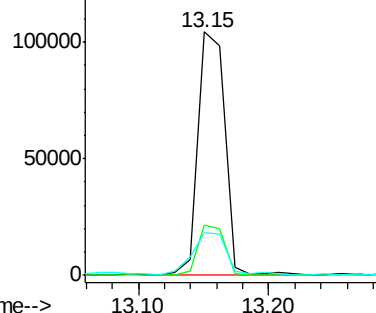
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	17.0	25.6
203	17.8	13.8	20.8

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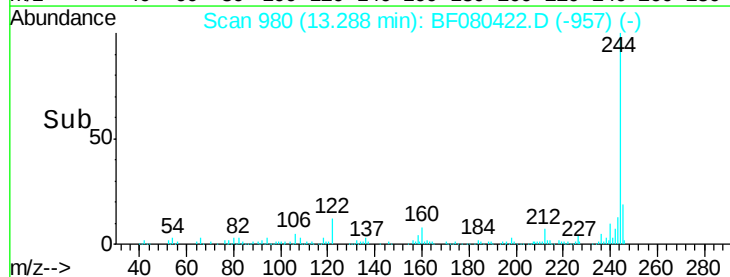
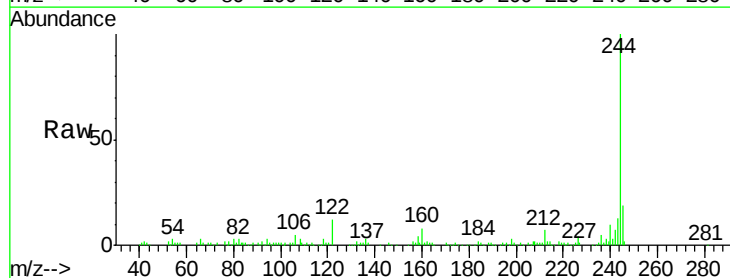
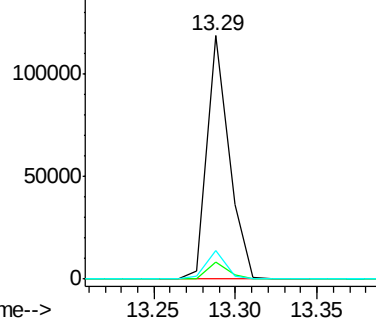
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

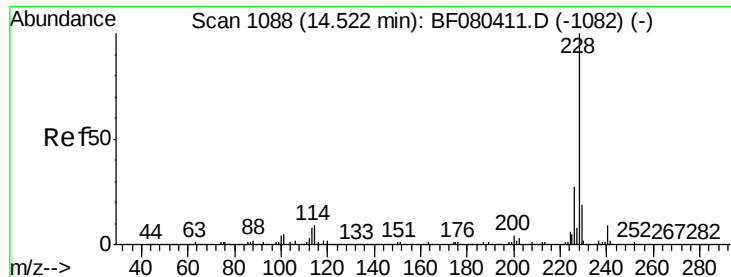


#78
Terphenyl-d14
Concen: 25.49 ng
RT: 13.29 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	4.9	7.3
122	12.0	4.1	6.1

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.03 ng

RT: 14.47 min Scan# 1083

Delta R.T. -0.06 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

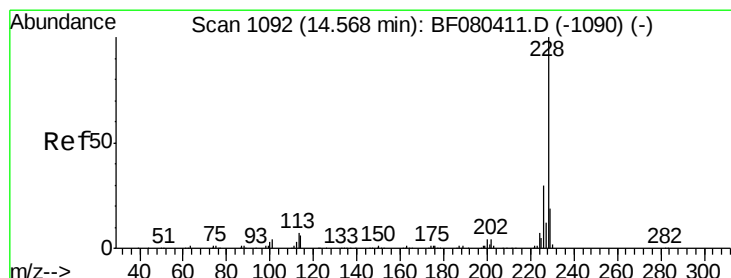
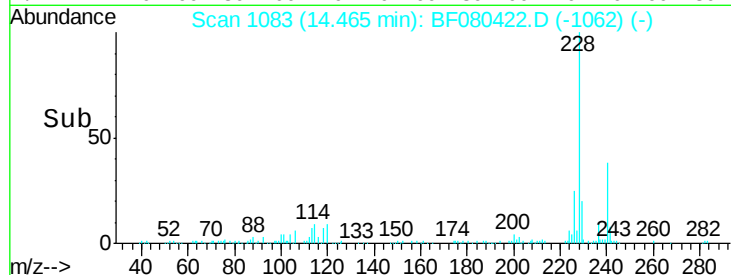
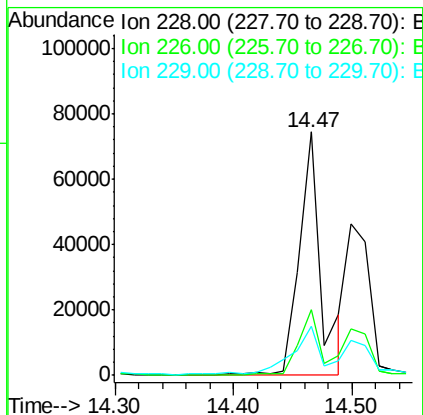
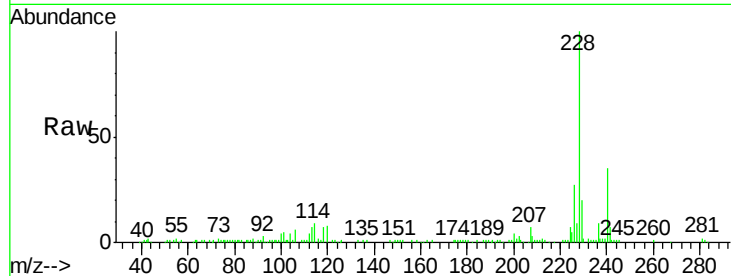
ClientSampled :

TEC-E1

Tgt Ion:	228	Resp:	94650
Ion Ratio	Lower	Upper	
228	100		
226	26.9	21.7	32.5
229	20.3	15.5	23.3

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#82

Chrysene

Concen: 11.57 ng

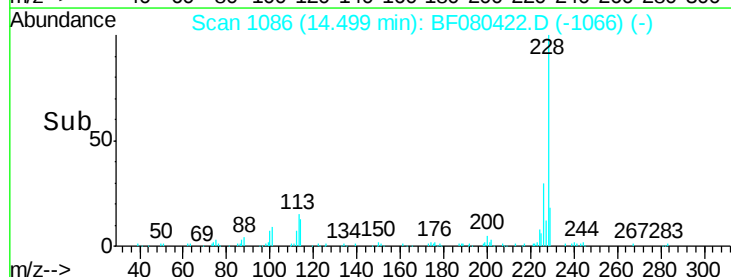
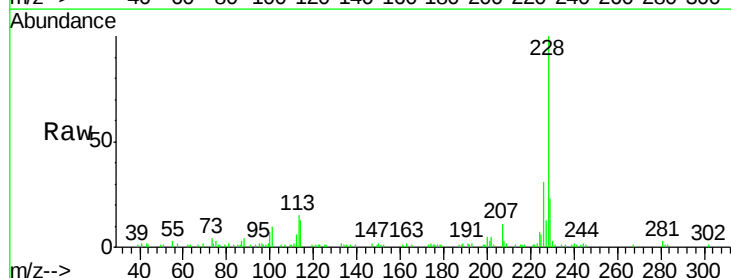
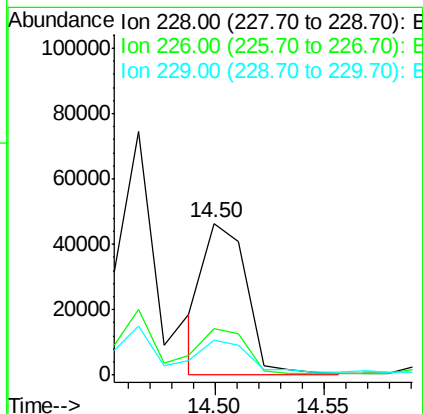
RT: 14.50 min Scan# 1086

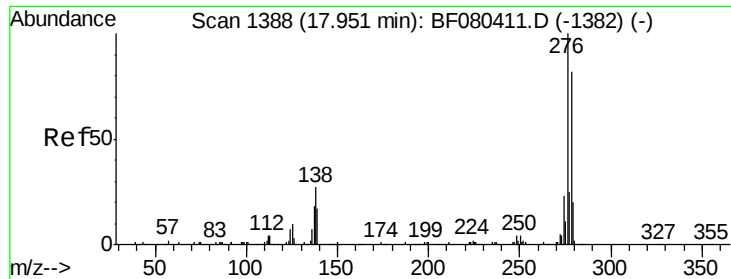
Delta R.T. -0.07 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Tgt Ion:	228	Resp:	62914
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.3	36.5
229	23.1	15.5	23.3





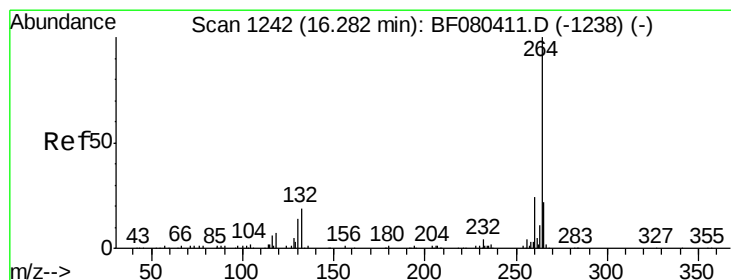
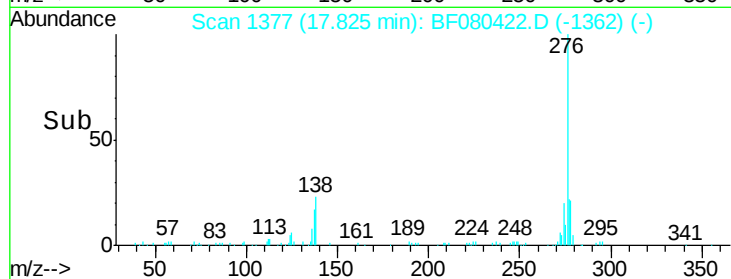
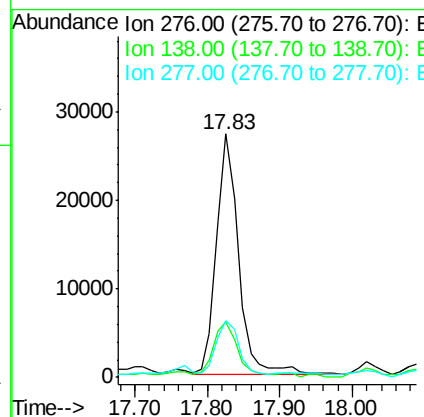
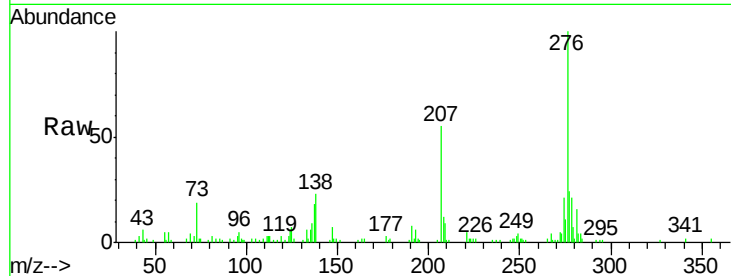
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.45 ng
 RT: 17.83 min Scan# 1377
 Delta R.T. -0.13 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.4	32.0
277	22.7	19.5	29.3

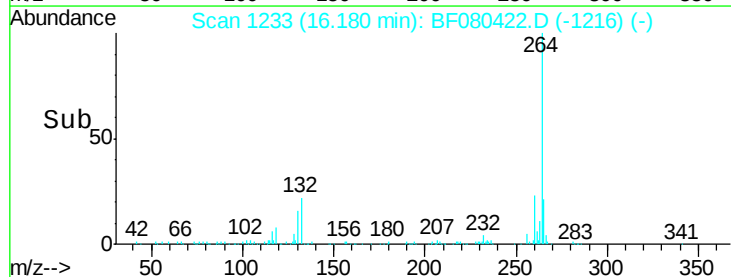
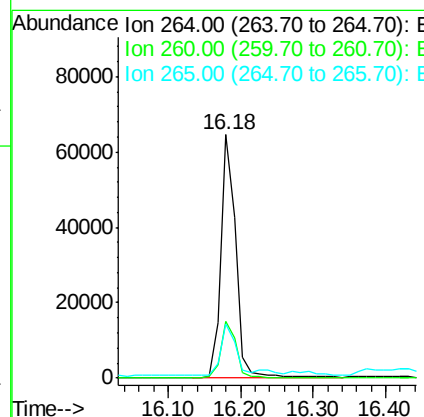
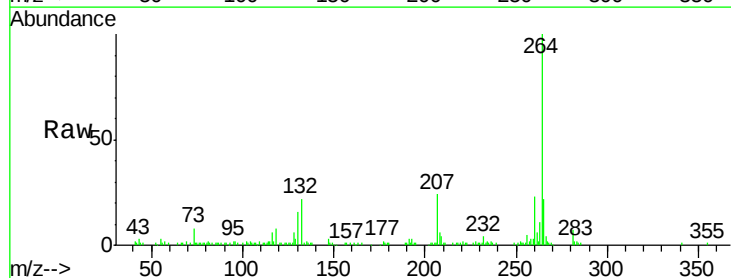
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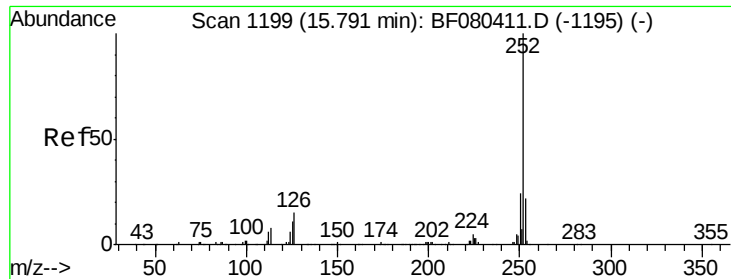
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.18 min Scan# 1233
 Delta R.T. -0.10 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	22.2	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 15.47 ng m

RT: 15.70 min Scan# 1191

Delta R.T. -0.09 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

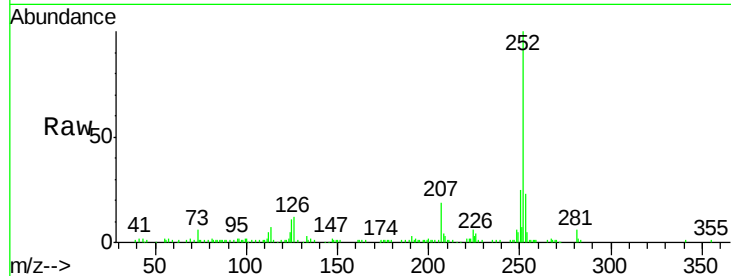
ClientSampled :

TEC-E1

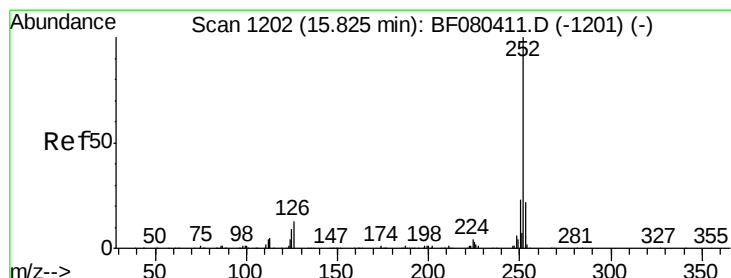
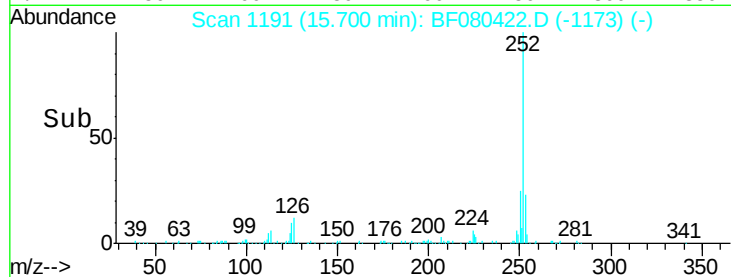
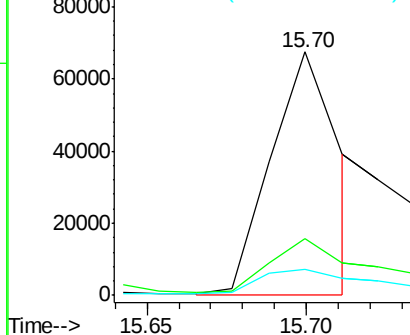
Tgt Ion:	252	Resp:	99934
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	10.6	8.6	12.8

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



#88

Benzo(k)fluoranthene

Concen: 8.22 ng m

RT: 15.71 min Scan# 1192

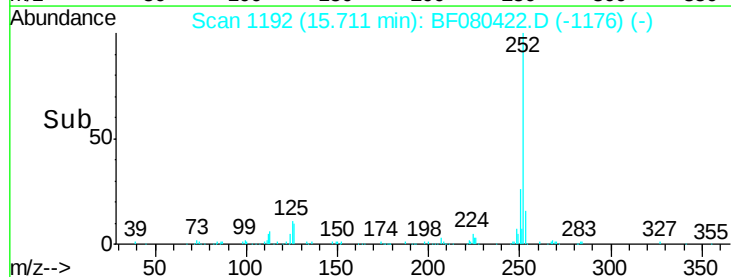
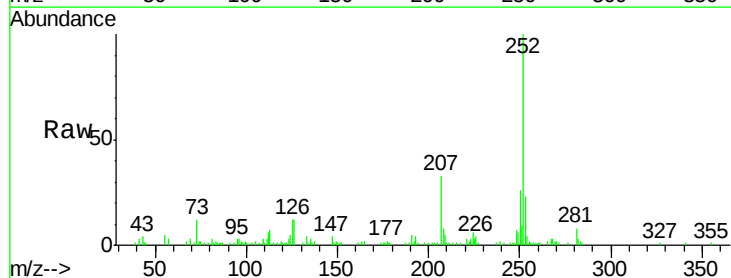
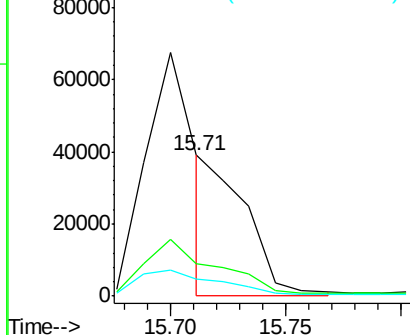
Delta R.T. -0.11 min

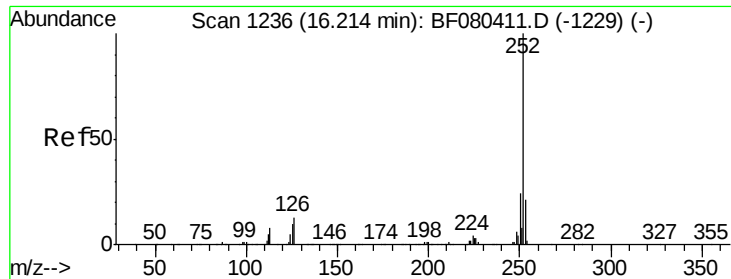
Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Tgt Ion:	252	Resp:	43409
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.7	26.5
125	11.9	8.4	12.6

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





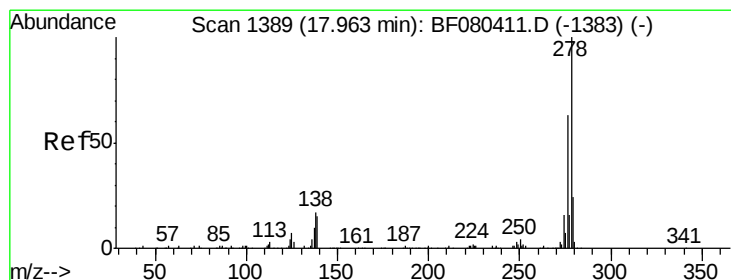
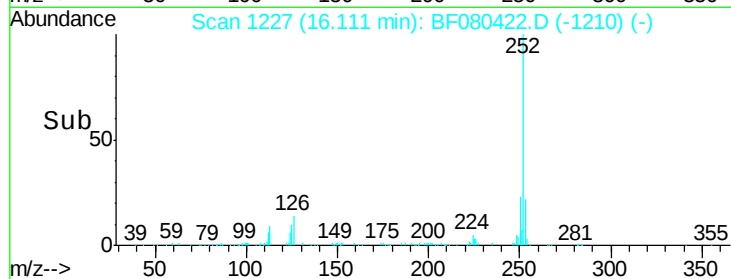
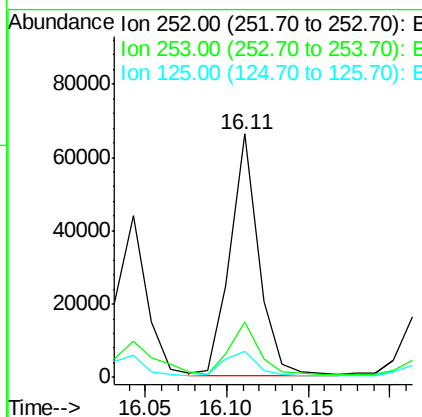
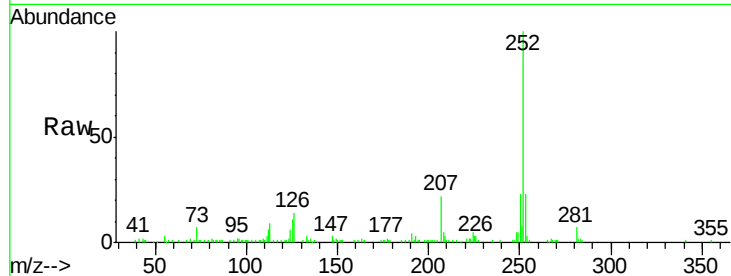
#89
Benzo(a)pyrene
Concen: 14.22 ng
RT: 16.11 min Scan# 1227
Delta R.T. -0.10 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Instrument :
BNA_F
ClientSampled :
TEC-E1

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.8	8.1	12.1

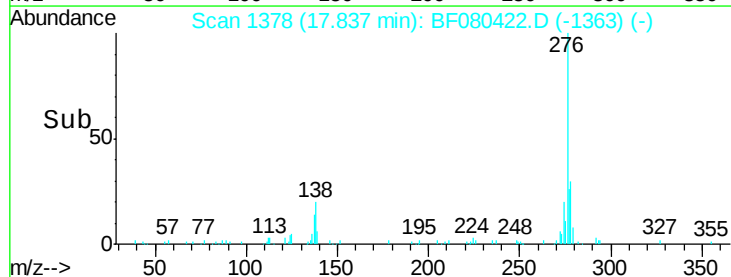
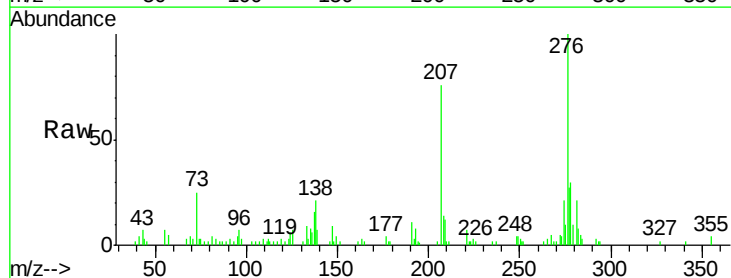
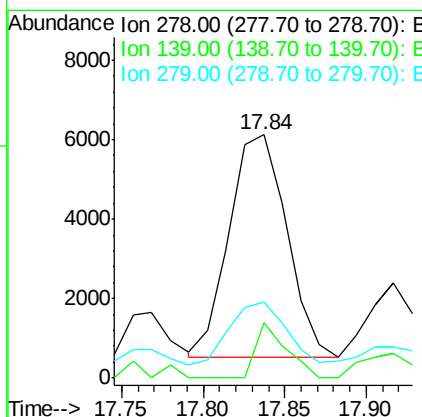
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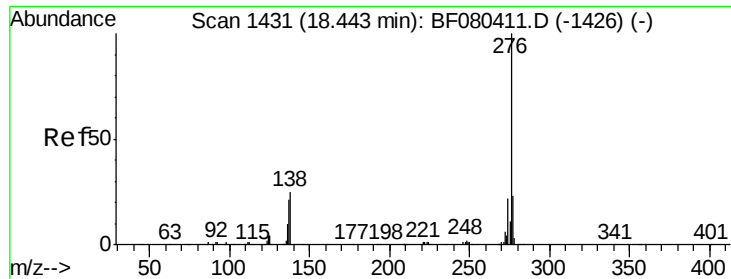
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#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng
RT: 17.84 min Scan# 1378
Delta R.T. -0.13 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	22.5	11.8	17.8#
279	31.4	18.8	28.2#





#91
 Benzo(g,h,i)perylene
 Concen: 10.88 ng
 RT: 18.33 min Scan# 1421
 Delta R.T. -0.11 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.2	27.4
138	23.3	20.3	30.5

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