

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
 Data File : BF080460.D
 Acq On : 14 Jul 2015 10:57
 Operator : TP/UM
 Sample : G2954-03 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

Manual Integrations
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Quant Time: Jul 14 12:19:15 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	12081	20.00	ng	-0.01
21) Naphthalene-d8	8.42	136	51837	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	27765	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	57379	20.00	ng	-0.01
75) Chrysene-d12	14.60	240	110376	20.00	ng	0.07
86) Perylene-d12	16.41	264	111328	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	34792	49.35	ng	-0.02
7) Phenol-d6	6.78	99	44437	47.31	ng	-0.01
23) Nitrobenzene-d5	7.70	82	27702	30.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	10163	37.50	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	62814	30.47	ng	-0.01
78) Terphenyl-d14	13.33	244	91363	17.98	ng	0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.04	152	7065	2.31	ng	98
49) Dimethylphthalate	9.89	163	10647	5.07	ng	99
70) Phenanthrene	11.70	178	48166	13.97	ng	99
71) Anthracene	11.74	178	21583	6.76	ng	98
74) Fluoranthene	12.95	202	117919	32.98	ng	98
77) Pyrene	13.20	202	120572	17.05	ng	98
80) Benzo(a)anthracene	14.59	228	84734	12.18	ng	95
82) Chrysene	14.64	228	82884m	12.94	ng	
85) Indeno(1,2,3-cd)pyrene	18.07	276	49068	6.17	ng	98
87) Benzo(b)fluoranthene	15.92	252	106142m	13.73	ng	
88) Benzo(k)fluoranthene	15.95	252	37267m	5.89	ng	
89) Benzo(a)pyrene	16.34	252	78725	11.62	ng	96
91) Benzo(g,h,i)perylene	18.57	276	51510	7.72	ng	95

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

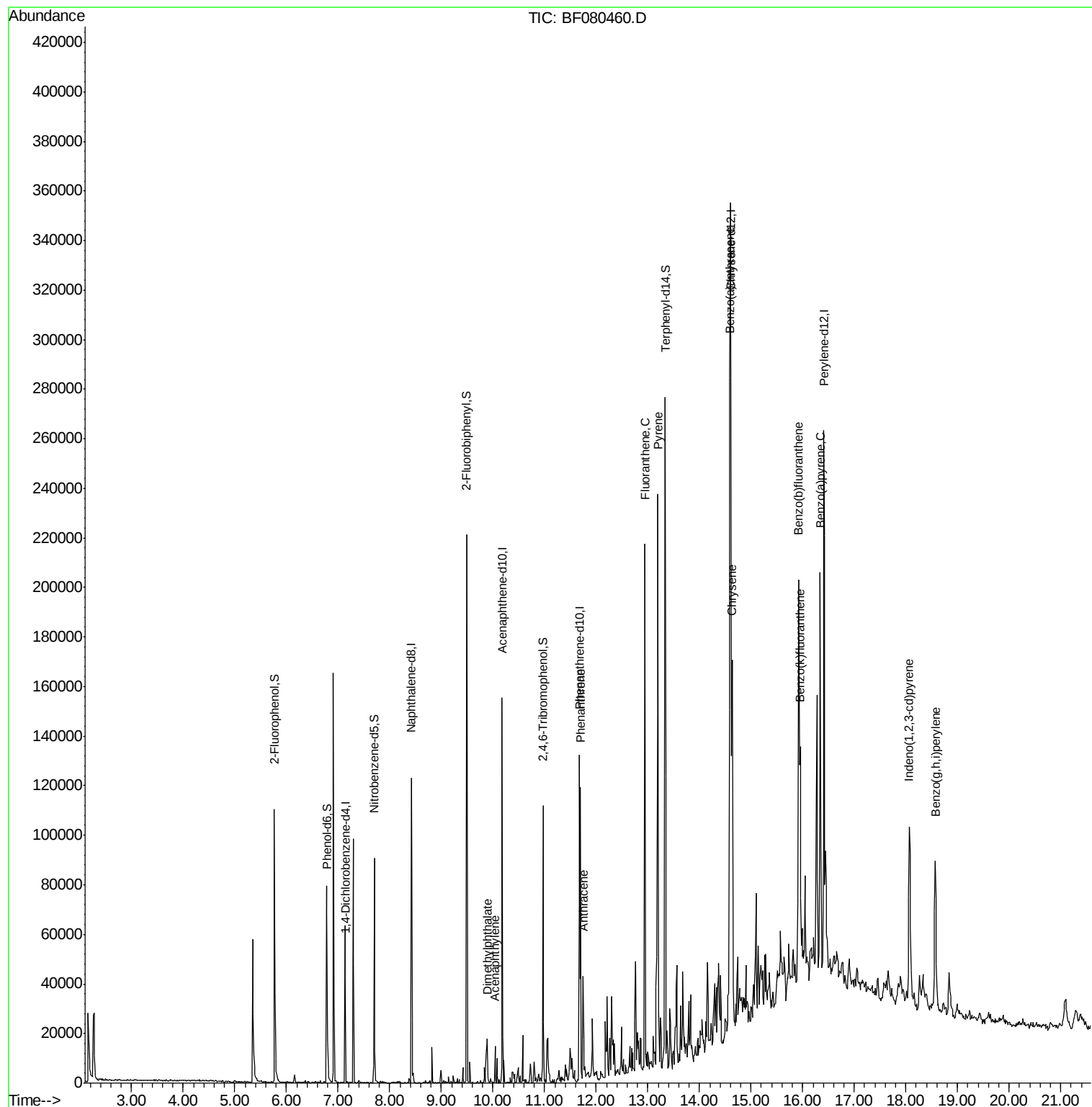
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
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Sample : G2954-03 2X
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ALS Vial : 31 Sample Multiplier: 1

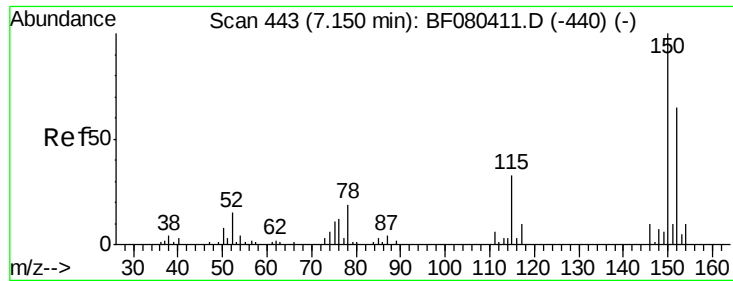
Instrument :
BNA_F
ClientSampleId :
TEC-E3

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Quant Time: Jul 14 12:19:15 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





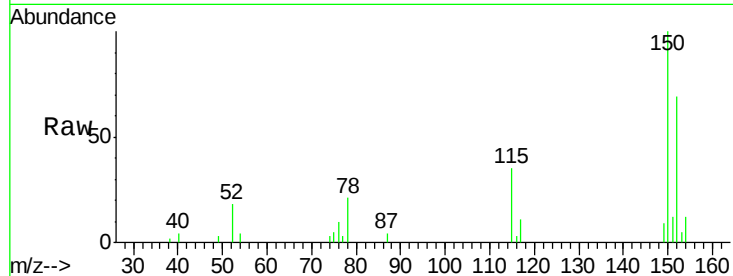
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.14 min Scan# 442
 Delta R.T. -0.01 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

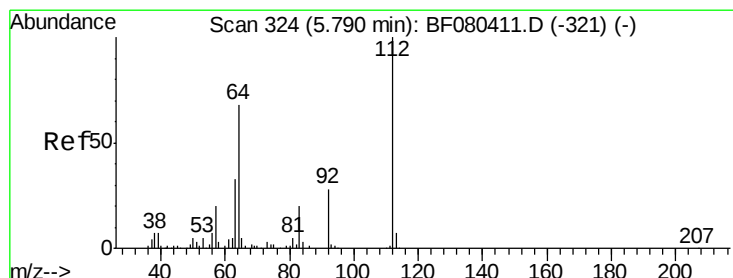
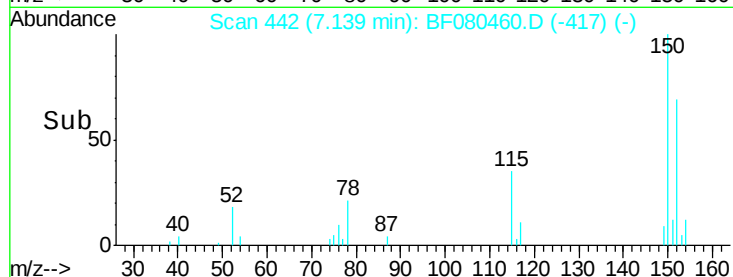
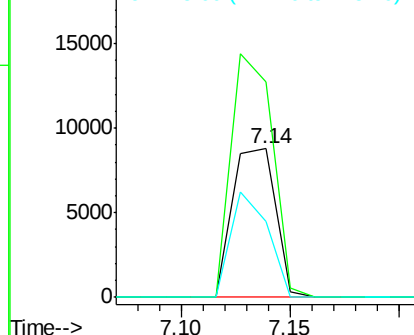
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	12081		
150	145.4	122.3	183.5	
115	51.0	41.0	61.4	

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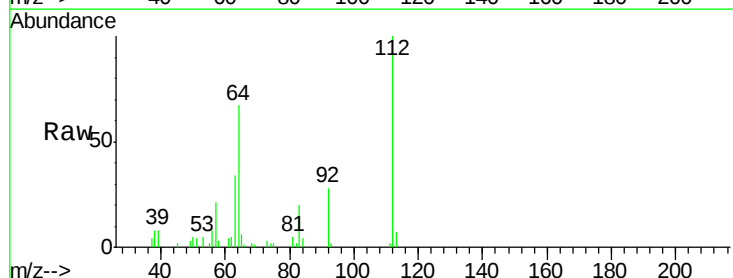


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

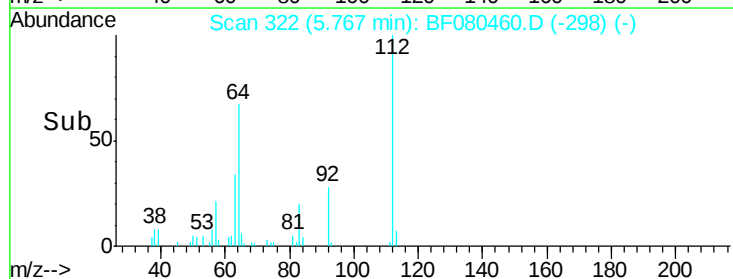
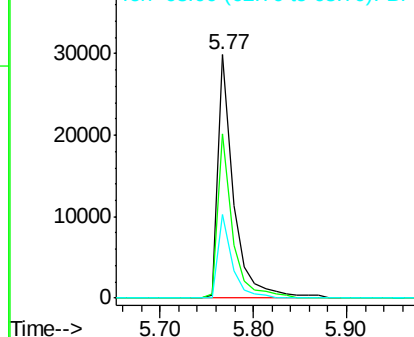


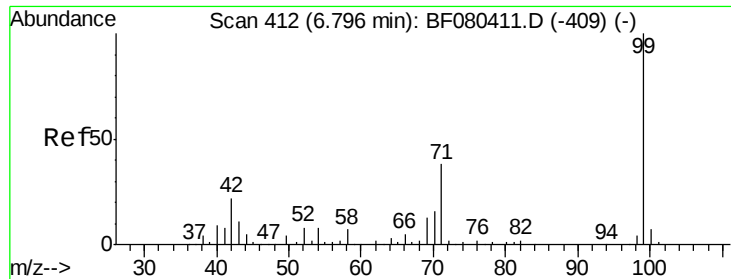
#5
 2-Fluorophenol
 Concen: 49.35 ng
 RT: 5.77 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	34792		
64	67.5	54.3	81.5	
63	34.1	26.7	40.1	



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: 47.31 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF080460.D

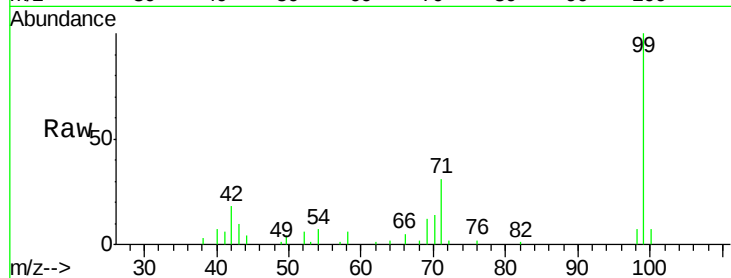
Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3



Tgt Ion: 99 Resp: 44437

Ion Ratio Lower Upper

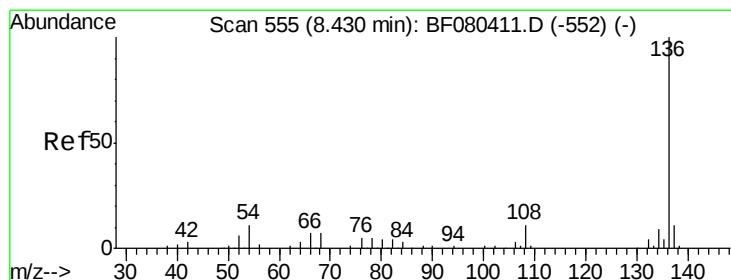
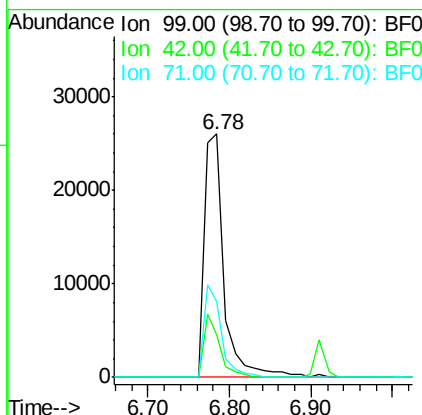
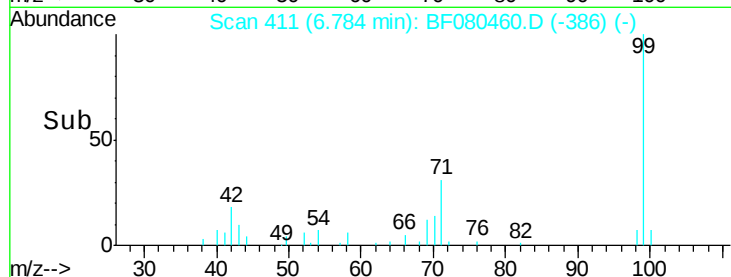
99 100

42 17.7 17.9 26.9#

71 31.4 30.1 45.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.42 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Tgt Ion: 136 Resp: 51837

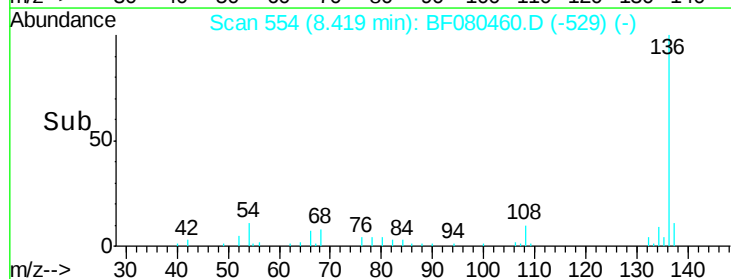
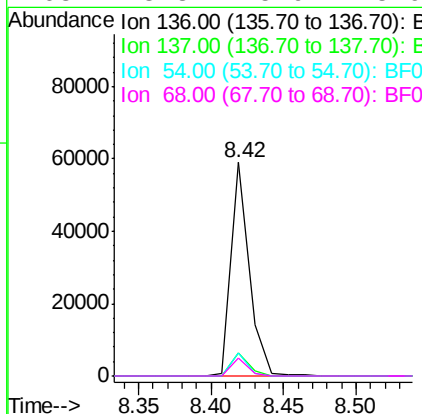
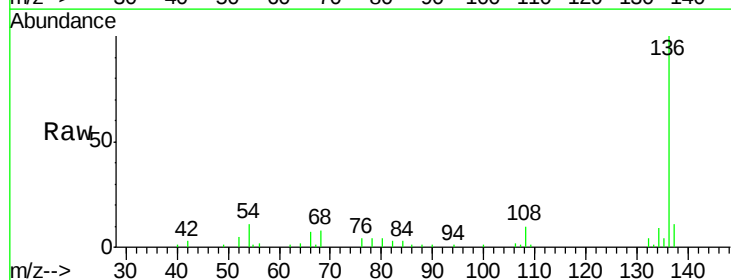
Ion Ratio Lower Upper

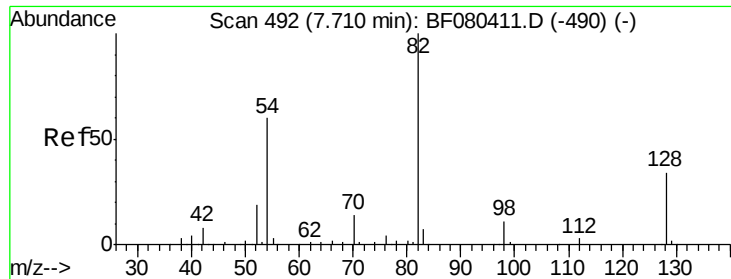
136 100

137 11.1 9.0 13.4

54 11.0 9.1 13.7

68 8.3 5.9 8.9





#23

Nitrobenzene-d5

Concen: 30.48 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF080460.D

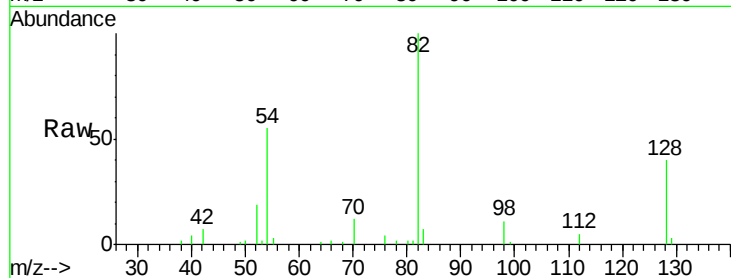
Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampled :

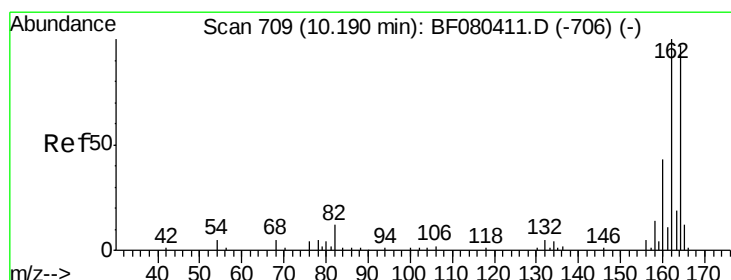
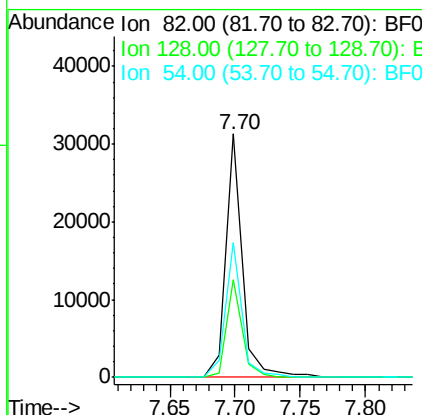
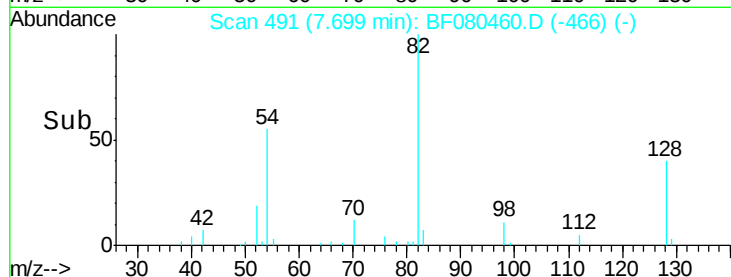
TEC-E3



Tgt Ion:	82	Resp:	27702
Ion Ratio	Lower	Upper	
82	100		
128	40.1	26.9	40.3
54	55.4	47.7	71.5

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#38

Acenaphthene-d10

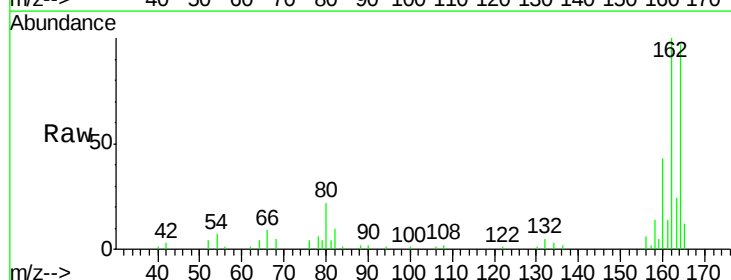
Concen: 20.00 ng

RT: 10.18 min Scan# 708

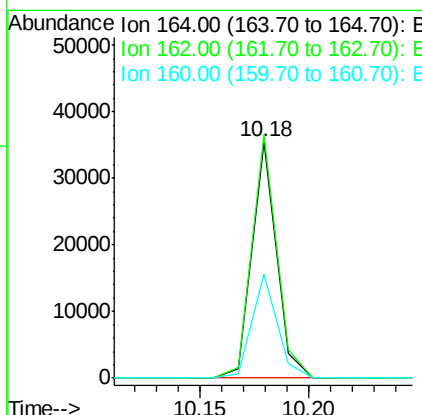
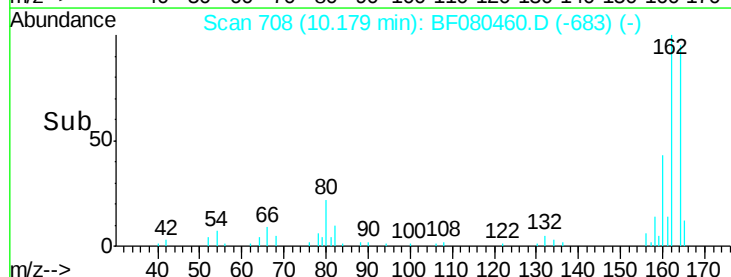
Delta R.T. -0.01 min

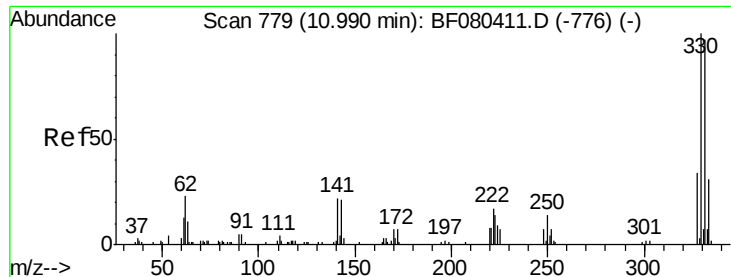
Lab File: BF080460.D

Acq: 14 Jul 2015 10:57



Tgt Ion:	164	Resp:	27765
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.7	124.1
160	44.4	35.5	53.3





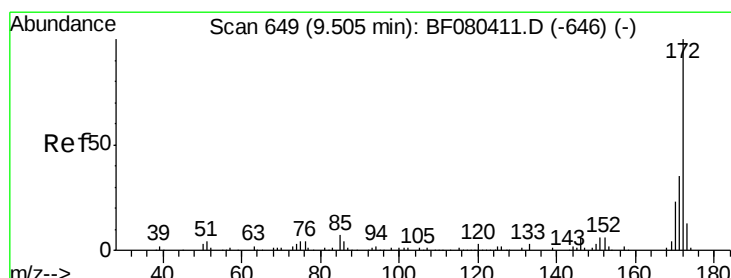
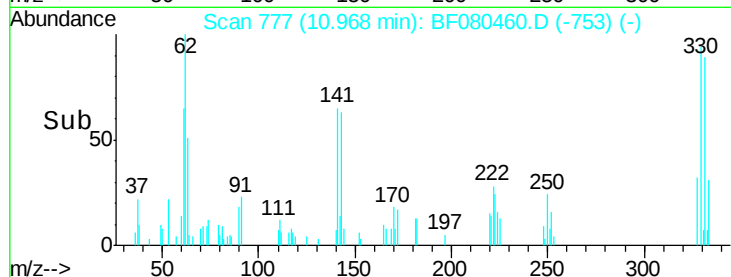
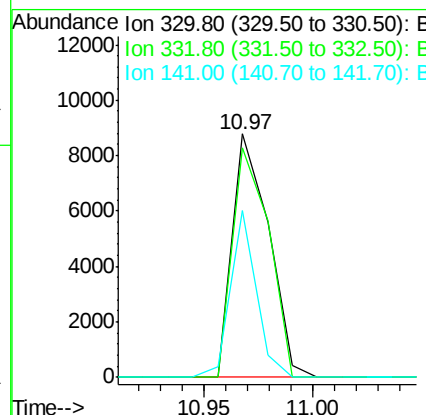
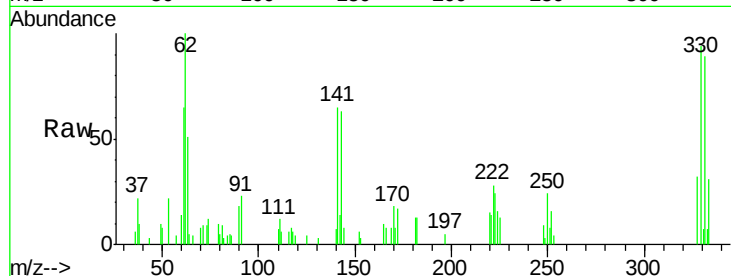
#41
 2,4,6-Tribromophenol
 Concen: 37.50 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Instrument :
 BNA_F
 ClientSampled :
 TEC-E3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10163		
332	94.1	78.0	117.0	
141	48.6	28.6	43.0	

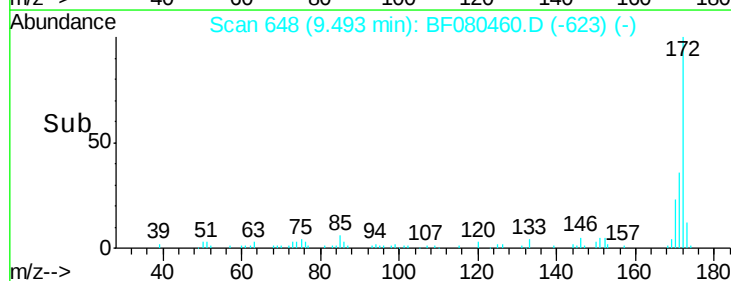
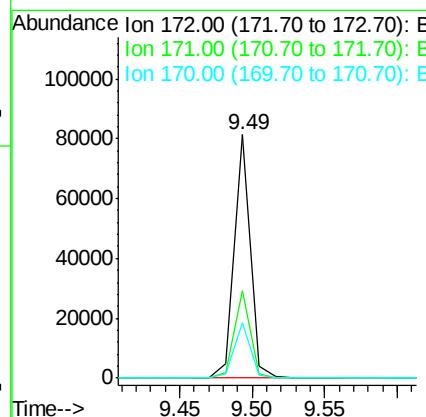
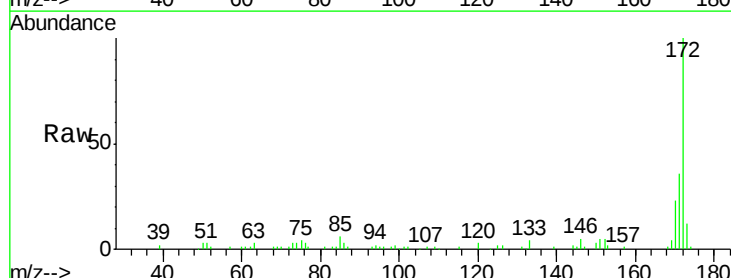
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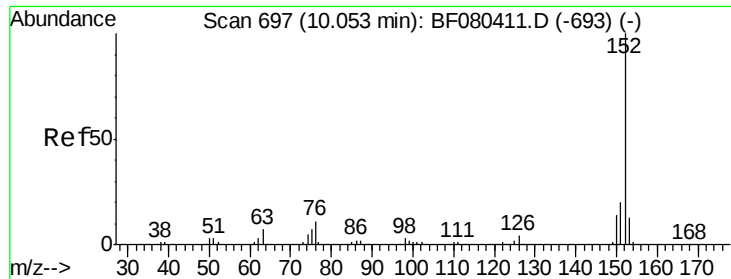
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#44
 2-Fluorobiphenyl
 Concen: 30.47 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	62814		
171	36.0	28.4	42.6	
170	22.9	18.6	28.0	





#48

Acenaphthylene

Concen: 2.31 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF080460.D

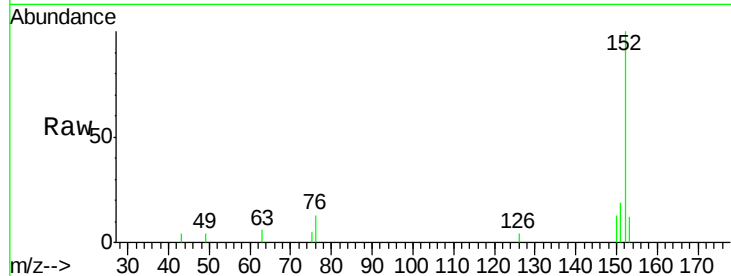
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Instrument :

BNA_F

ClientSampleId :

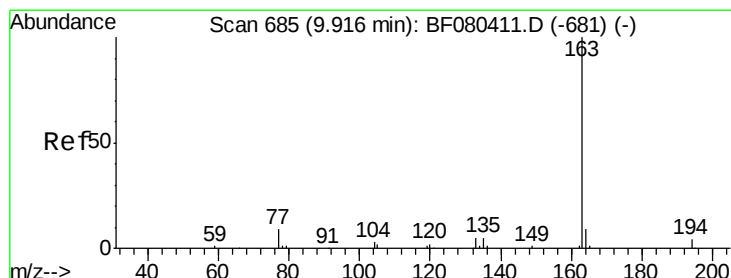
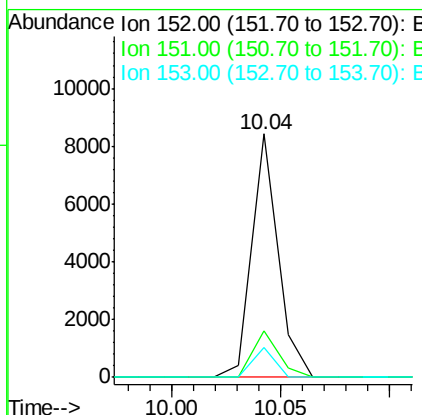
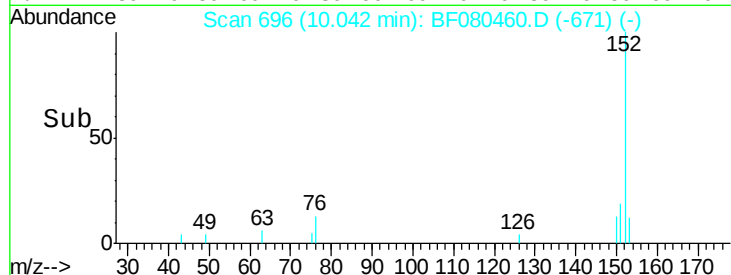
TEC-E3



Tgt Ion:	152	Resp:	7065
Ion Ratio	Lower	Upper	
152	100		
151	18.9	15.8	23.8
153	12.4	10.2	15.4

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#49

Dimethylphthalate

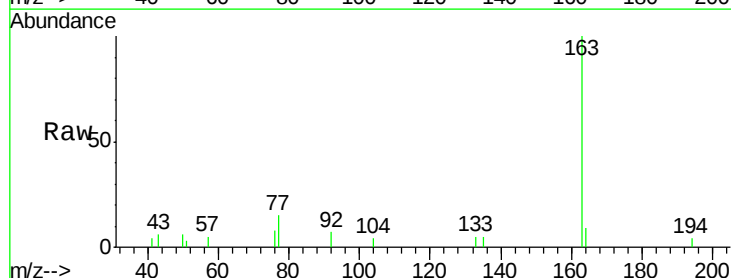
Concen: 5.07 ng

RT: 9.89 min Scan# 683

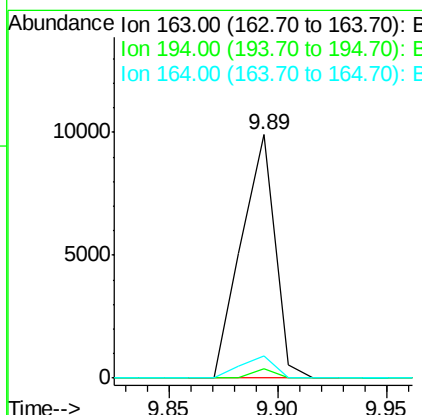
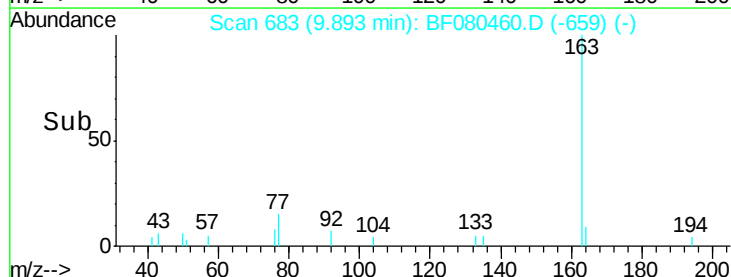
Delta R.T. -0.02 min

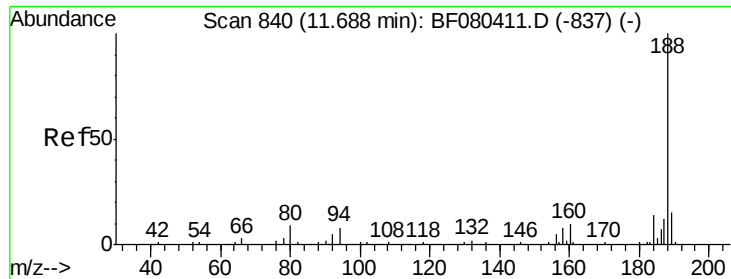
Lab File: BF080460.D

Acq: 14 Jul 2015 10:57



Tgt Ion:	163	Resp:	10647
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.2
164	8.9	7.4	11.0





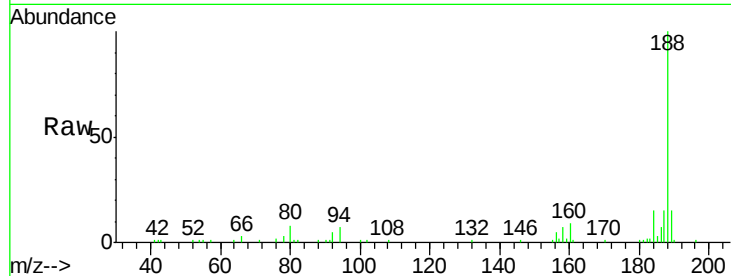
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.68 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

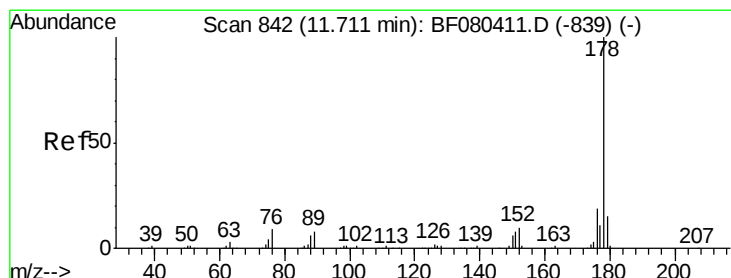
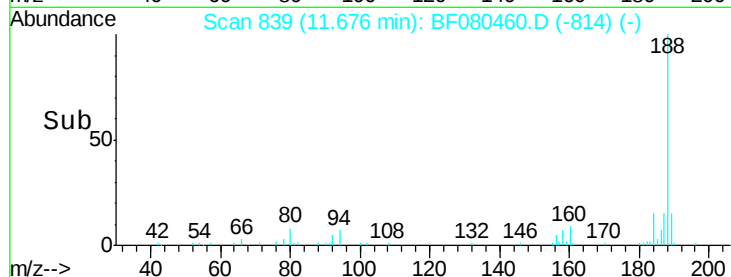
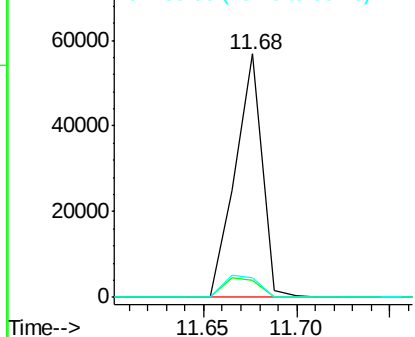
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.0	6.7	10.1
80	8.2	7.5	11.3

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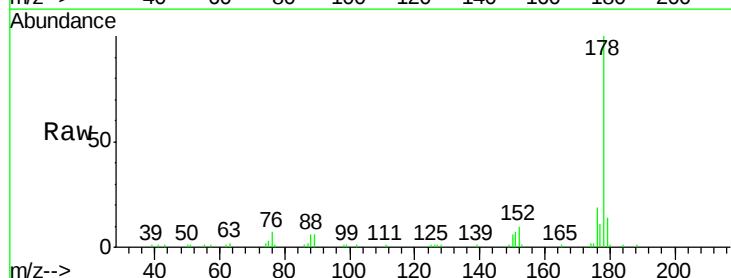


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

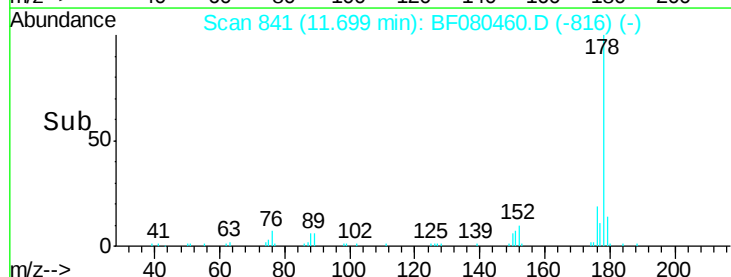
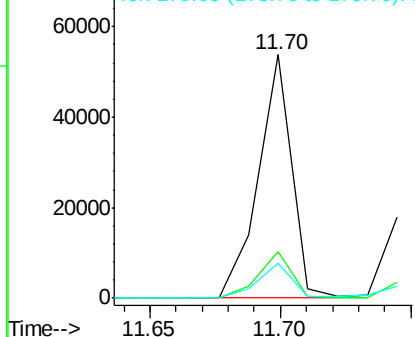


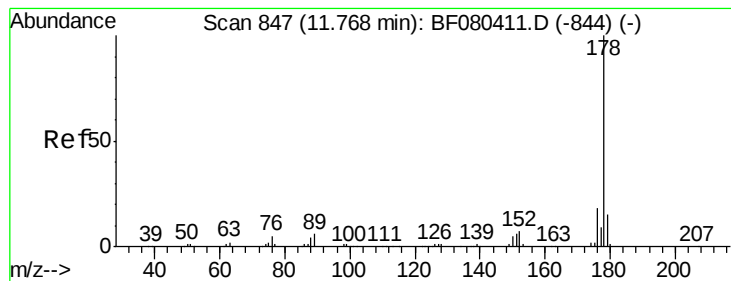
#70
Phenanthrene
Concen: 13.97 ng
RT: 11.70 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	15.2	22.8
179	14.4	12.4	18.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





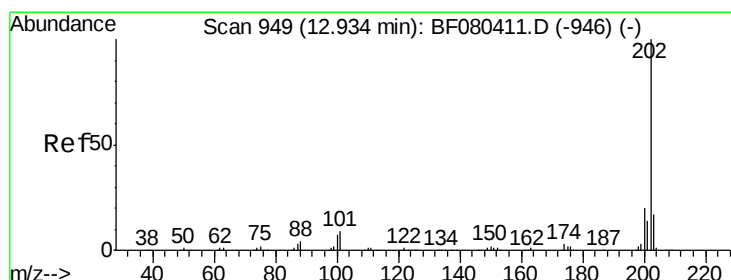
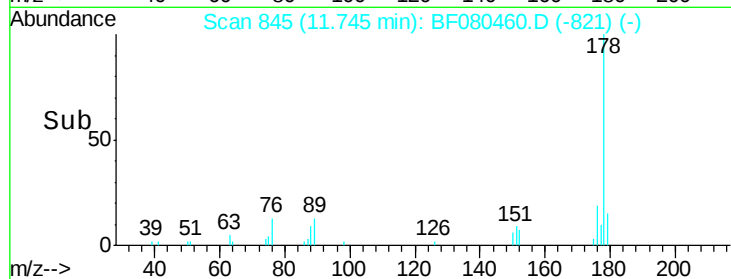
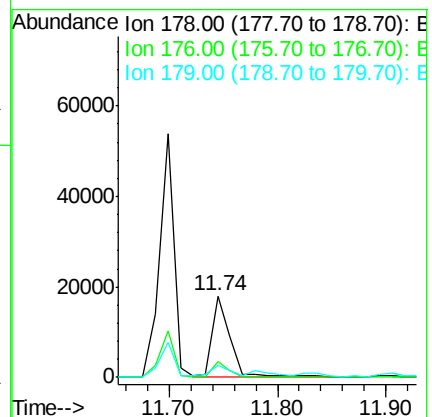
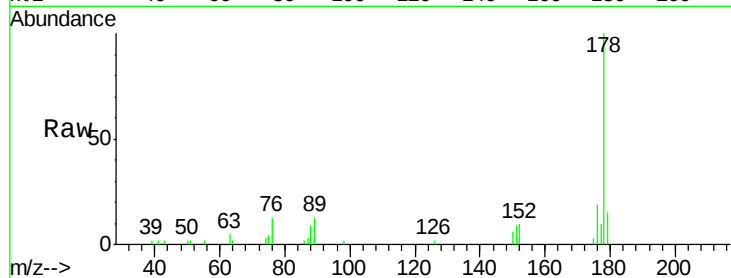
#71
 Anthracene
 Concen: 6.76 ng
 RT: 11.74 min Scan# 845
 Delta R.T. -0.02 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.2	21.4
179	14.9	11.6	17.4

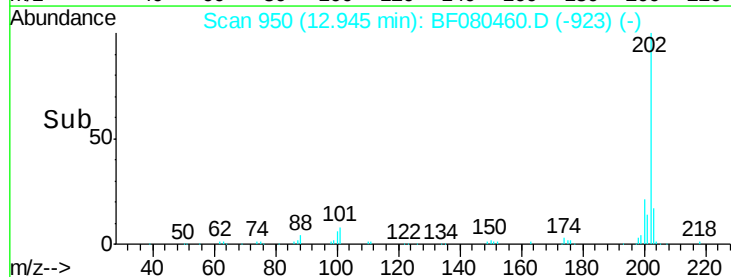
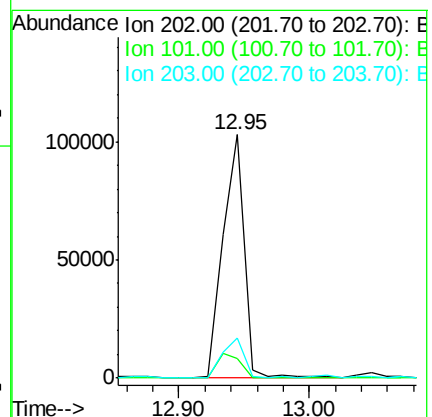
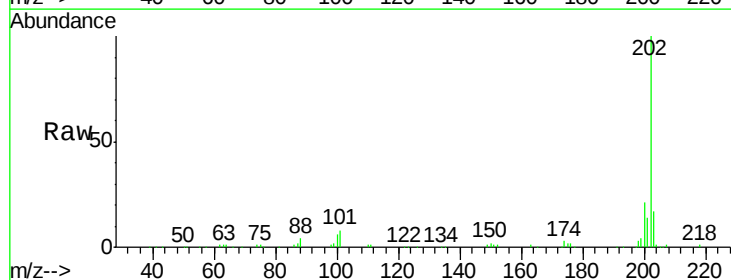
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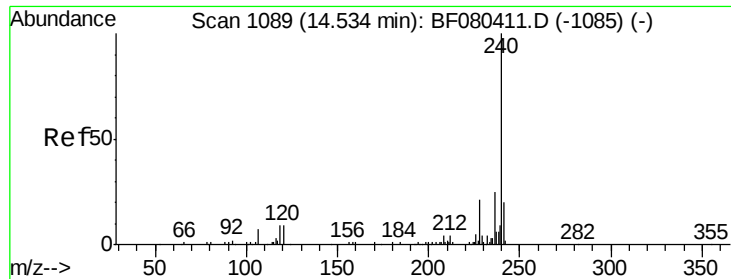
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#74
 Fluoranthene
 Concen: 32.98 ng
 RT: 12.95 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.8
203	16.7	0.0	37.3





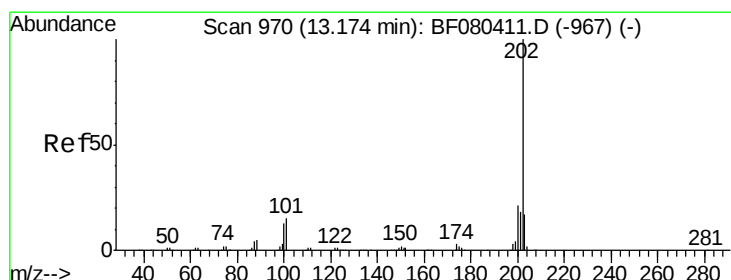
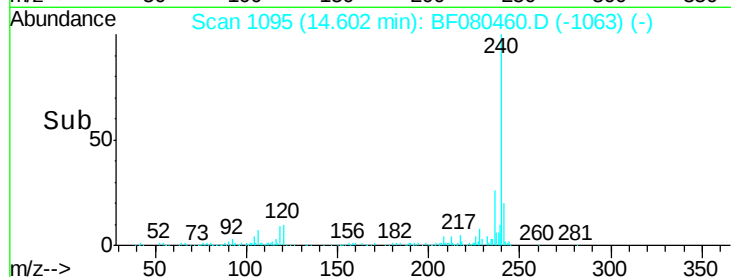
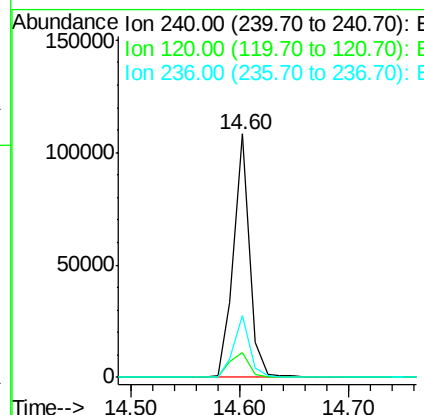
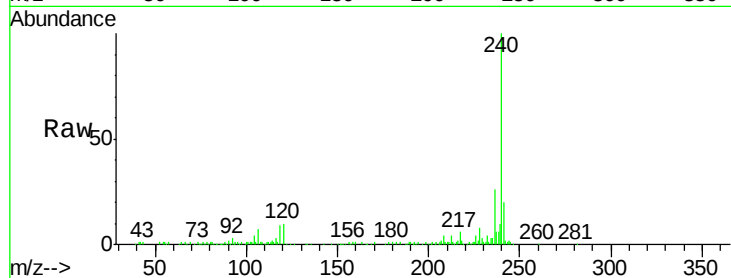
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.60 min Scan# 1095
Delta R.T. 0.07 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampled :
TEC-E3

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.9	7.4	11.2
236	25.6	19.7	29.5

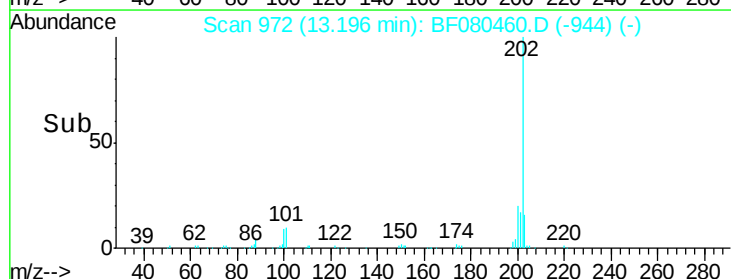
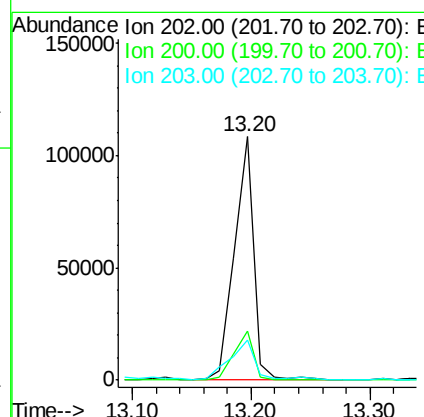
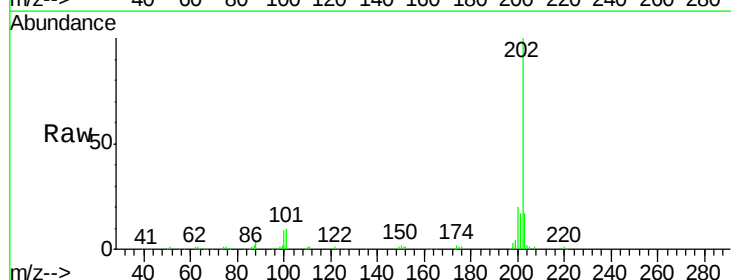
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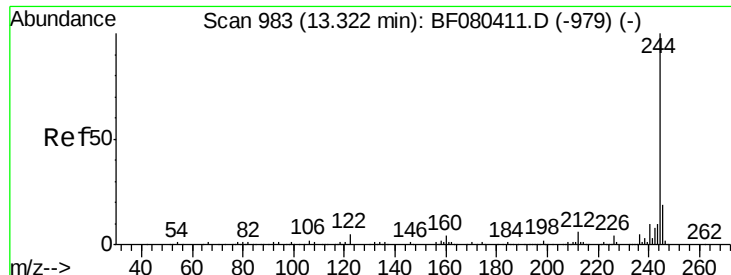
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#77
Pyrene
Concen: 17.05 ng
RT: 13.20 min Scan# 972
Delta R.T. 0.02 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	17.0	25.6
203	16.6	13.8	20.8





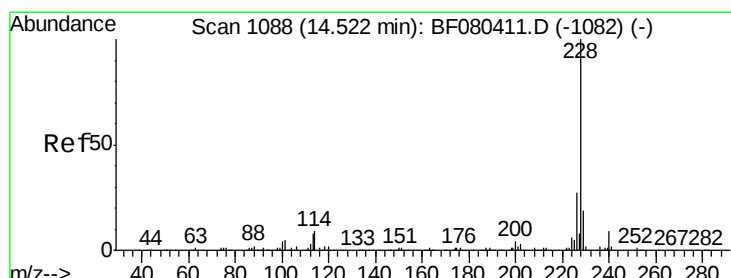
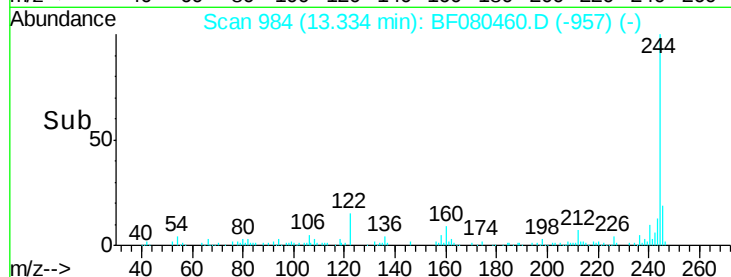
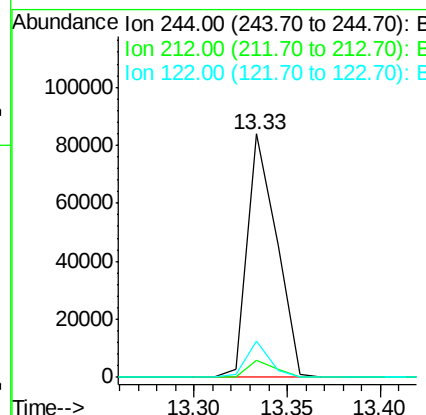
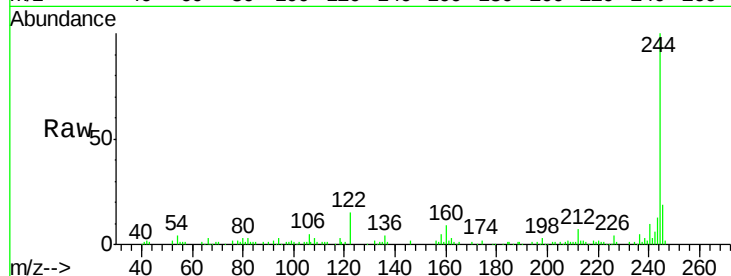
#78
 Terphenyl-d14
 Concen: 17.98 ng
 RT: 13.33 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Instrument :
 BNA_F
 ClientSampled :
 TEC-E3

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	4.9	7.3
122	14.9	4.1	6.1

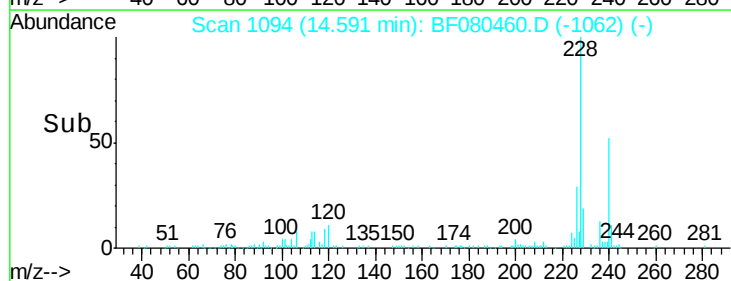
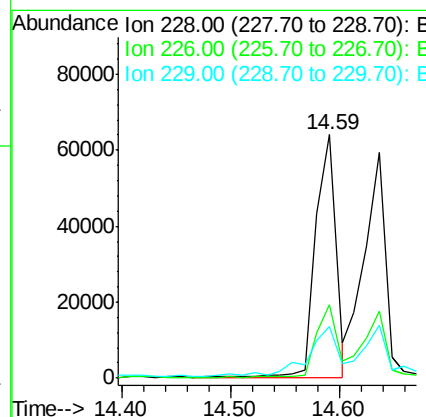
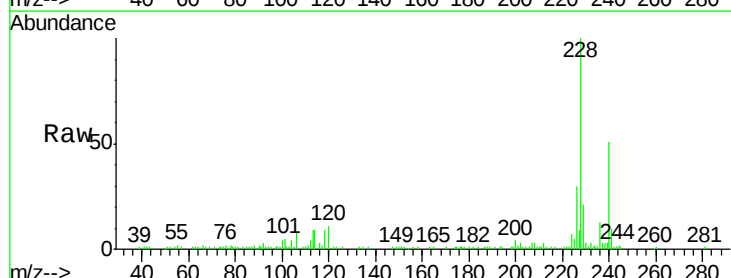
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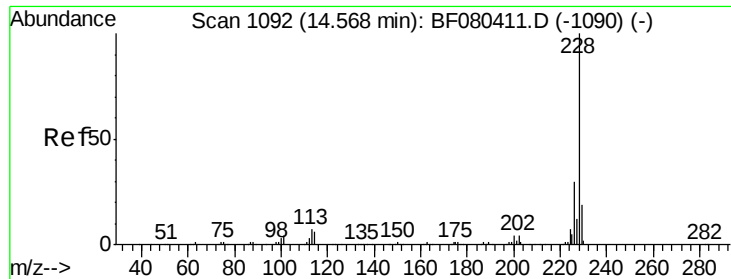
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#80
 Benzo(a)anthracene
 Concen: 12.18 ng
 RT: 14.59 min Scan# 1094
 Delta R.T. 0.07 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.9	21.7	32.5
229	21.1	15.5	23.3





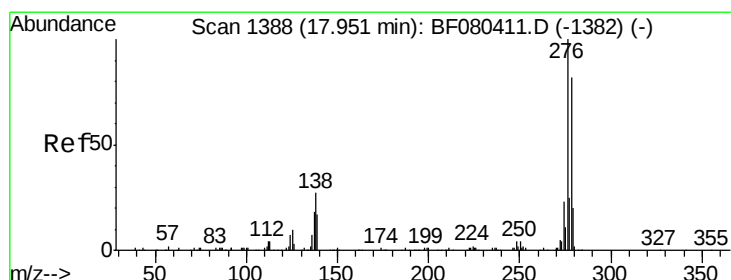
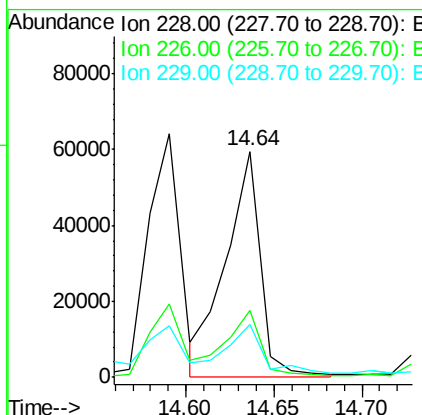
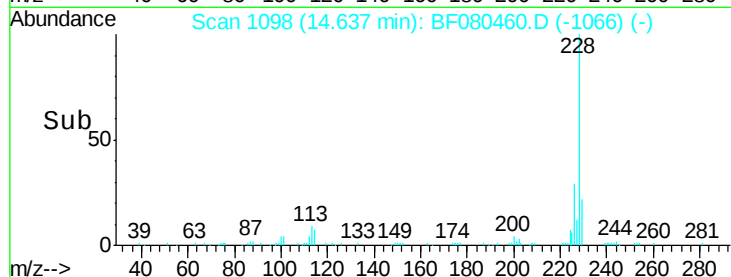
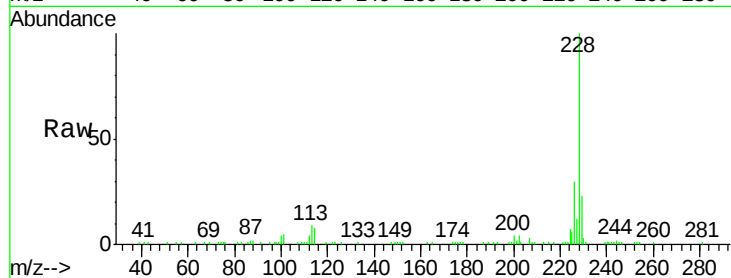
#82
Chrysene
Concen: 12.94 ng m
RT: 14.64 min Scan# 1098
Delta R.T. 0.07 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	23.4	15.5	23.3

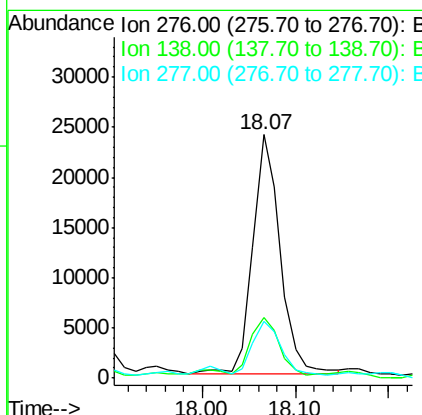
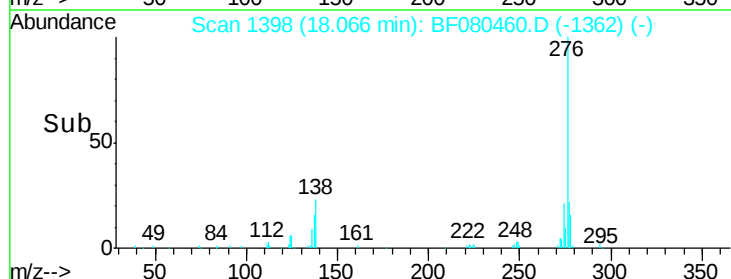
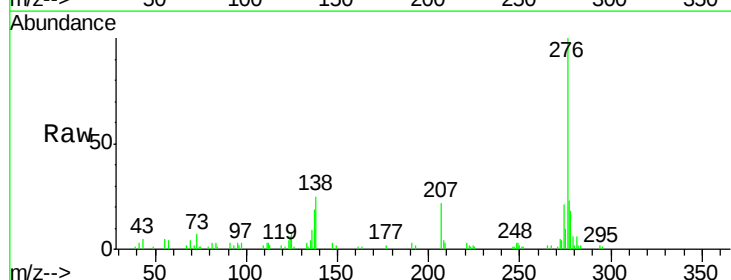
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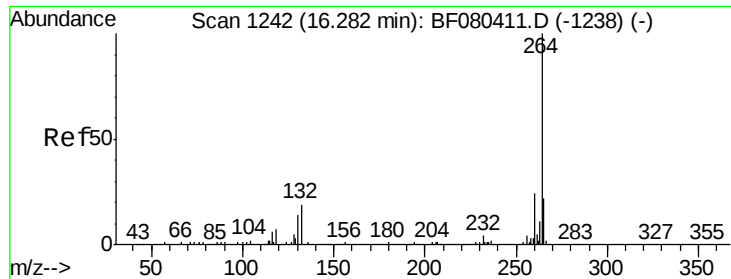
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.17 ng
RT: 18.07 min Scan# 1398
Delta R.T. 0.11 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	21.4	32.0
277	22.9	19.5	29.3





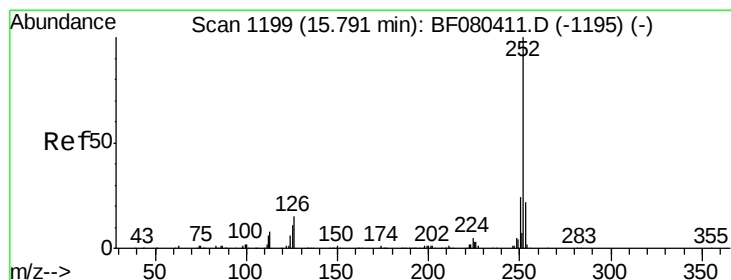
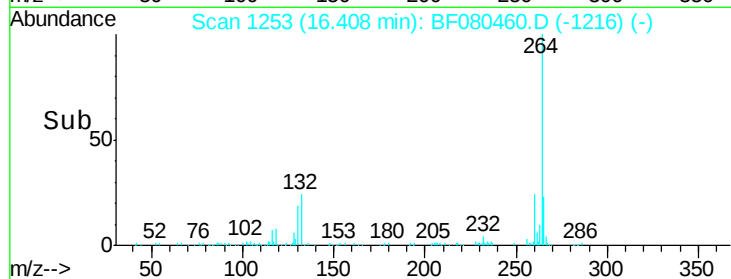
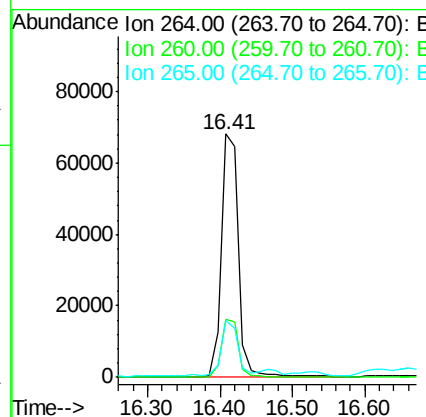
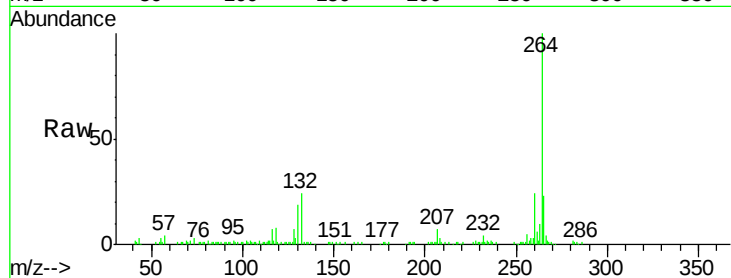
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.41 min Scan# 1253
Delta R.T. 0.13 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	111328		
260	24.0	19.4	29.2	
265	23.3	17.8	26.8	

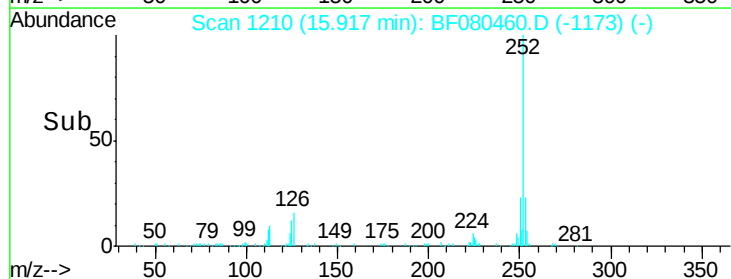
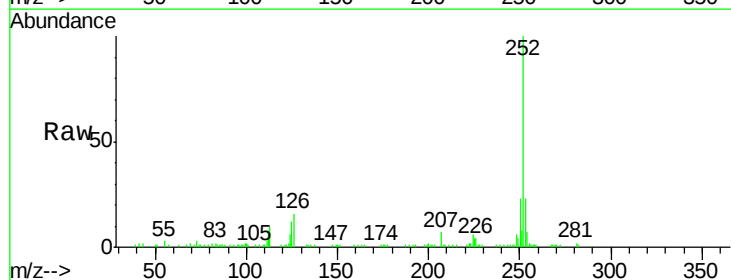
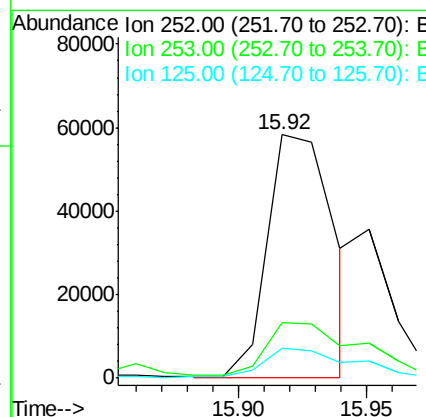
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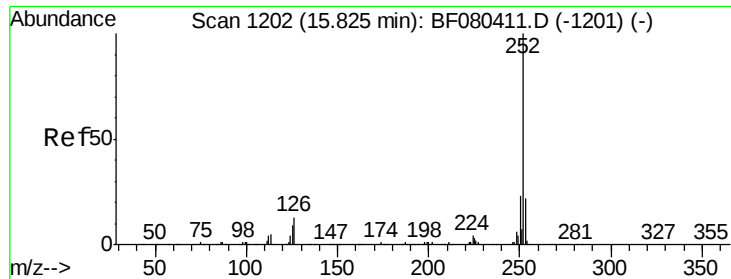
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#87
Benzo(b)fluoranthene
Concen: 13.73 ng m
RT: 15.92 min Scan# 1210
Delta R.T. 0.13 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	106142		
253	22.8	17.8	26.8	
125	12.5	8.6	12.8	





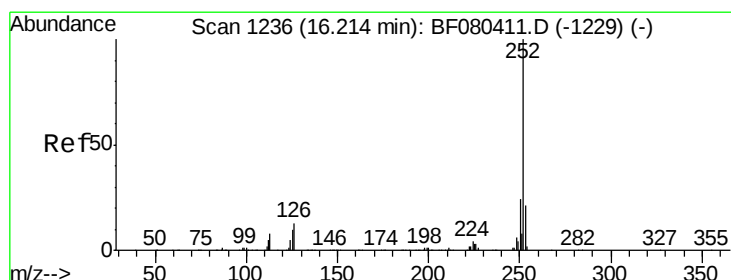
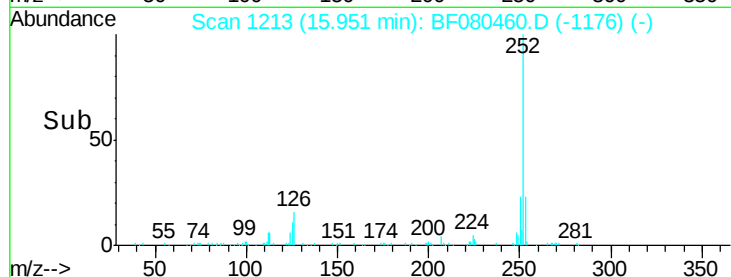
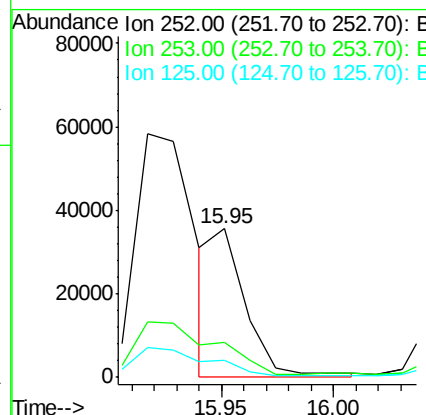
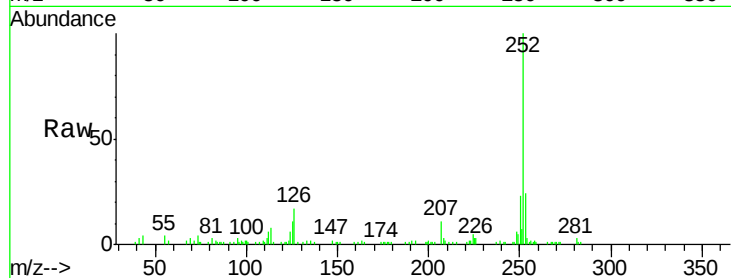
#88
Benzo(k)fluoranthene
Concen: 5.89 ng m
RT: 15.95 min Scan# 1213
Delta R.T. 0.13 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	11.1	8.4	12.6

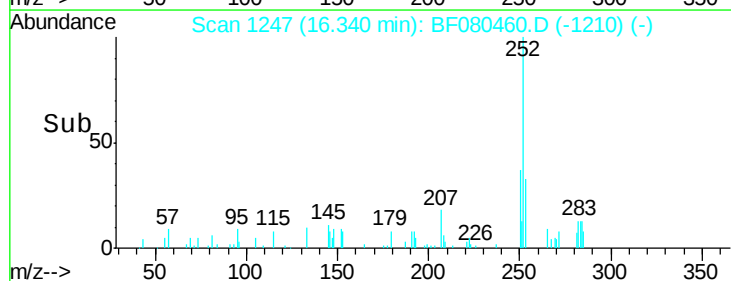
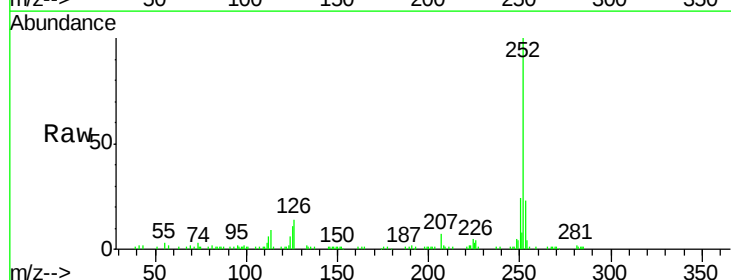
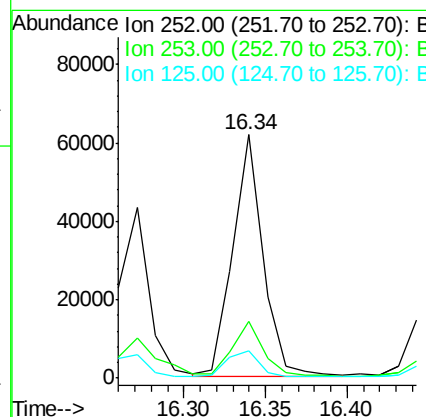
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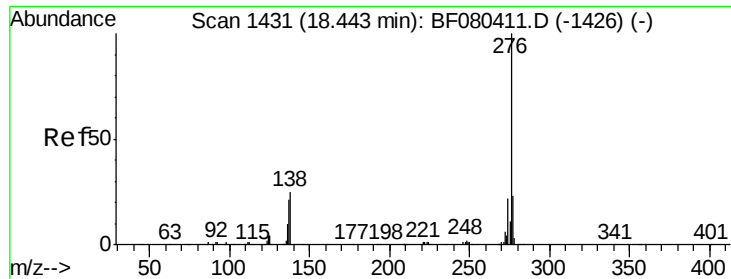
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#89
Benzo(a)pyrene
Concen: 11.62 ng
RT: 16.34 min Scan# 1247
Delta R.T. 0.13 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	11.4	8.1	12.1





#91
 Benzo(g,h,i)perylene
 Concen: 7.72 ng
 RT: 18.57 min Scan# 1442
 Delta R.T. 0.13 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

Tgt Ion:	276	Resp:	51510
Ion Ratio		Lower	Upper
276	100		
277	25.3	18.2	27.4
138	27.5	20.3	30.5

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