

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079308.D
 Acq On : 16 May 2015 12:01
 Operator : TP/IZ
 Sample : G2266-02 2X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Manual Integrations
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Quant Time: May 18 01:59:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 00:56:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	72402	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	301795	20.00	ng	0.00
38) Acenaphthene-d10	10.92	164	141012	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	263240	20.00	ng	0.00
75) Chrysene-d12	16.06	240	274509	20.00	ng	0.00
86) Perylene-d12	17.81	264	275682	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	172036m	40.90	ng	0.01
7) Phenol-d6	6.75	99	222794	40.07	ng	0.01
23) Nitrobenzene-d5	7.87	82	128566	24.48	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	62026	40.66	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	273532	27.03	ng	0.00
78) Terphenyl-d14	14.77	244	285147	24.87	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	8.43	122	7828m	8.83	ng	
70) Phenanthrene	12.80	178	209287	14.21	ng	99
71) Anthracene	12.86	178	60300	4.17	ng	98
74) Fluoranthene	14.27	202	440766	28.72	ng	97
77) Pyrene	14.56	202	391416	24.74	ng	98
80) Benzo(a)anthracene	16.05	228	213591	14.21	ng	97
82) Chrysene	16.09	228	163686	11.32	ng	98
85) Indeno(1,2,3-cd)pyrene	19.20	276	116711	6.34	ng	95
87) Benzo(b)fluoranthene	17.36	252	244439m	16.20	ng	
88) Benzo(k)fluoranthene	17.38	252	89897m	6.15	ng	
89) Benzo(a)pyrene	17.74	252	178579	12.85	ng	98
91) Benzo(a,h,i)perylene	19.62	276	114333	7.73	ng	98

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

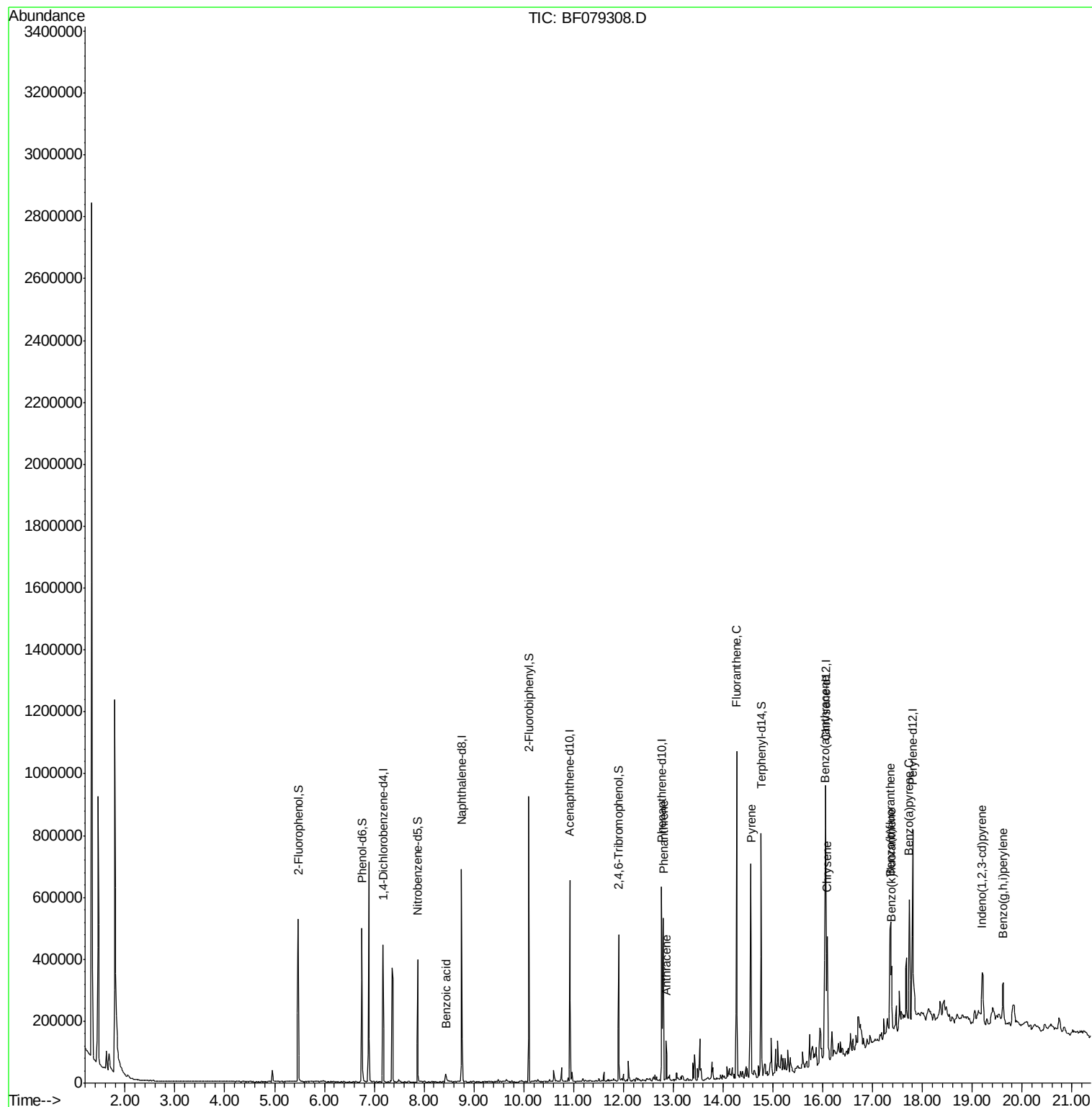
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
Data File : BF079308.D
Acq On : 16 May 2015 12:01
Operator : TP/IZ
Sample : G2266-02 2X
Misc :
ALS Vial : 41 Sample Multiplier: 1

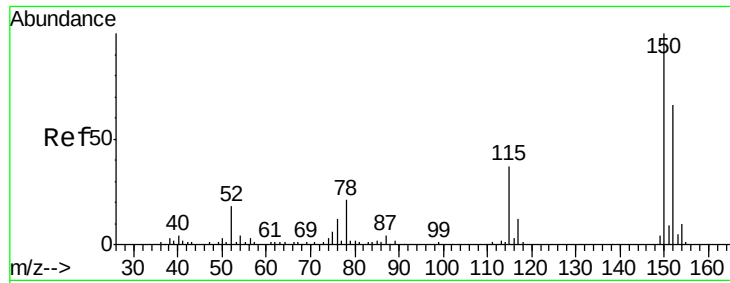
Instrument :
BNA_F
ClientSampled :
2

Manual Integrations
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Quant Time: May 18 01:59:36 2015
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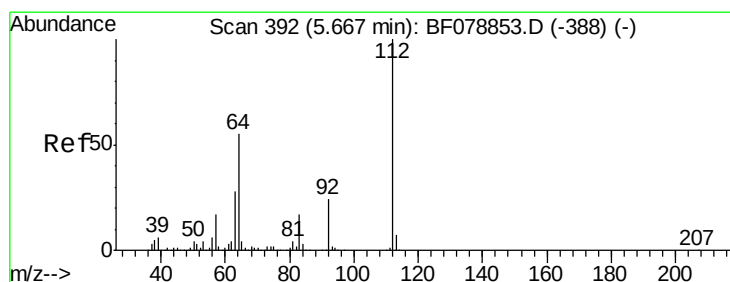
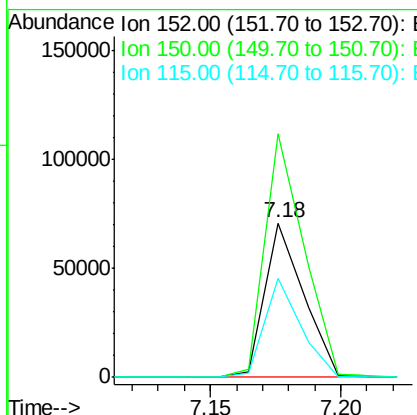
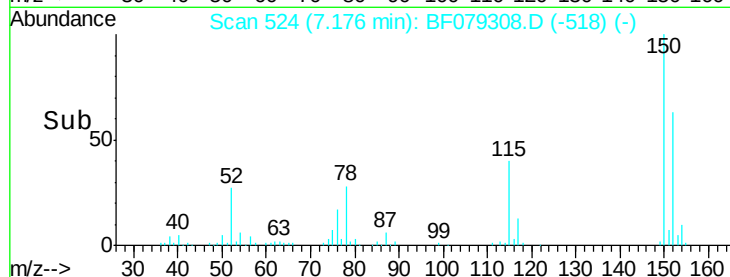
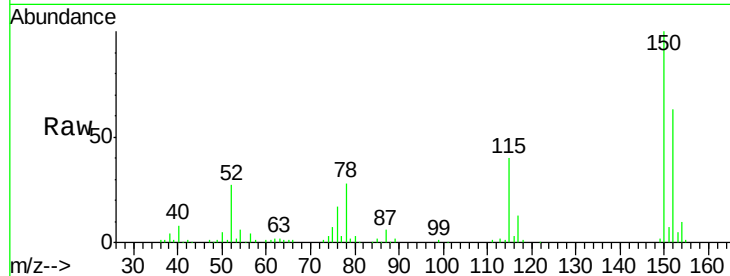
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion:	152	Resp:	72402
Ion Ratio	Lower	Upper	
152	100		
150	157.8	123.8	185.8
115	63.8	49.4	74.0

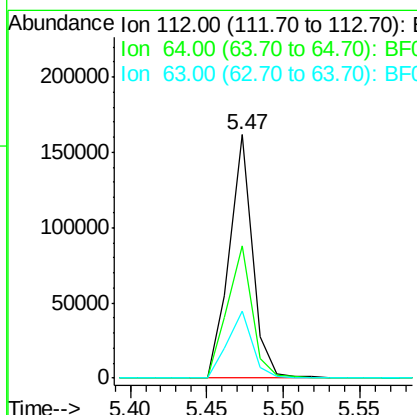
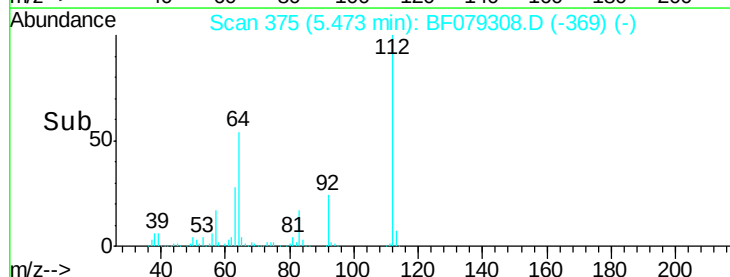
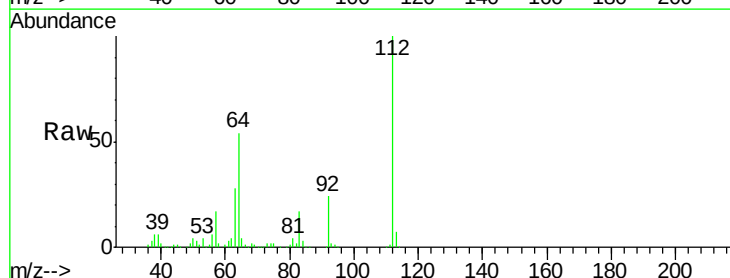
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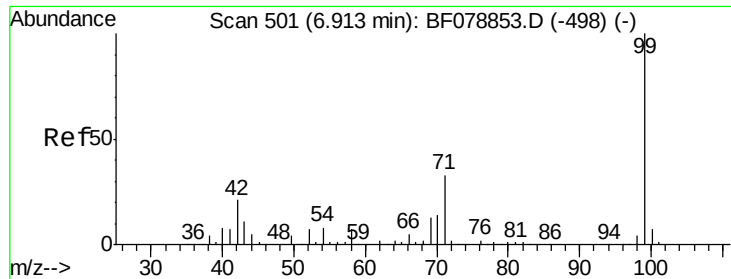
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#5
 2-Fluorophenol
 Concen: 40.90 ng m
 RT: 5.47 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Tgt Ion:	112	Resp:	172036
Ion Ratio	Lower	Upper	
112	100		
64	54.1	44.2	66.2
63	27.6	22.7	34.1





#7

Phenol-d6

Concen: 40.07 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF079308.D

Acq: 16 May 2015 12:01

Instrument :

BNA_F

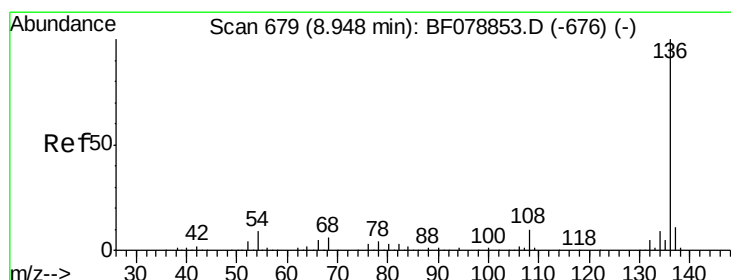
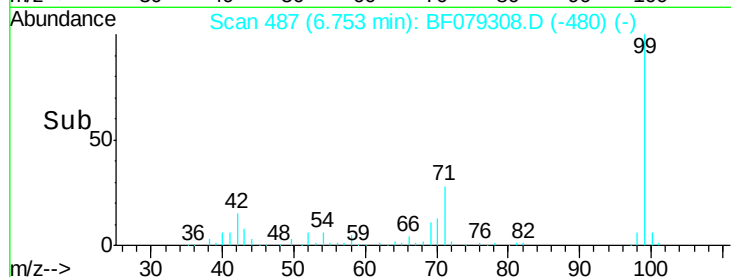
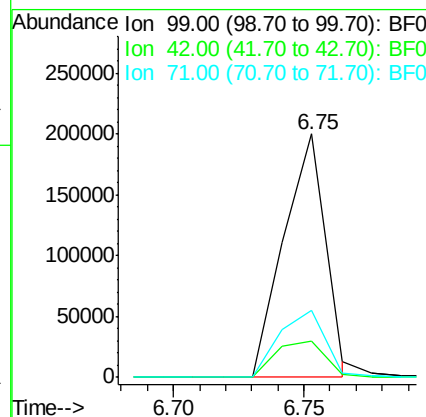
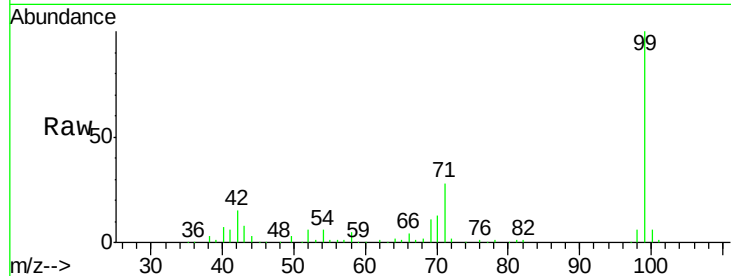
ClientSampled :

2

Tot Ion:	99	Resp:	222794
Ion Ratio	Lower	Upper	
99	100		
42	14.7	17.1	25.7#
71	27.7	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

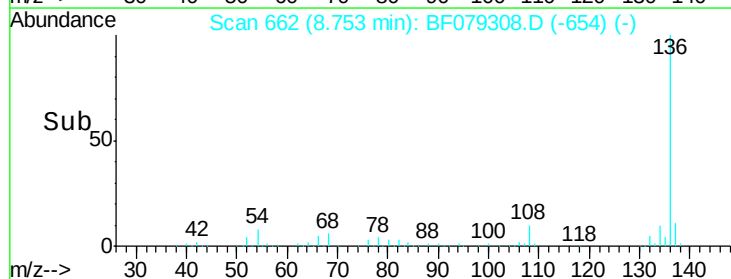
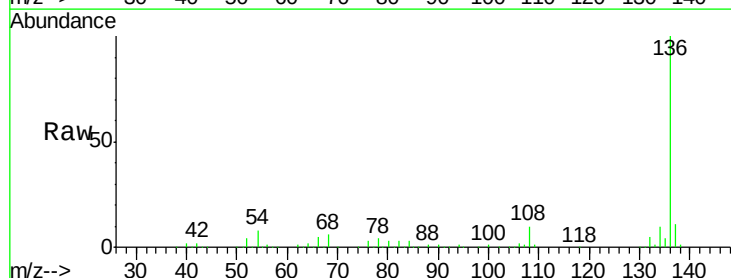
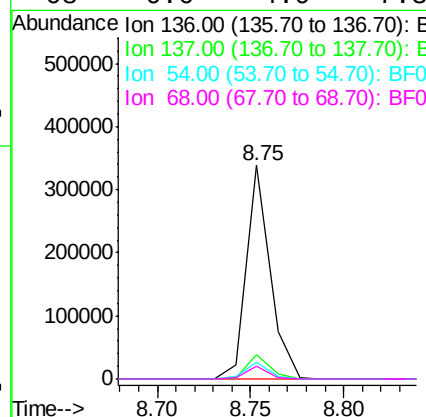
RT: 8.75 min Scan# 662

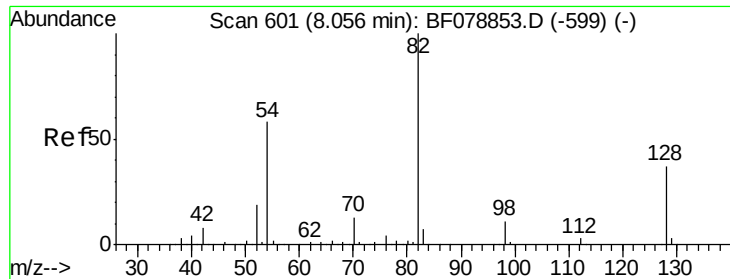
Delta R.T. 0.00 min

Lab File: BF079308.D

Acq: 16 May 2015 12:01

Tgt Ion:	136	Resp:	301795
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	7.8	6.9	10.3
68	6.0	4.9	7.3





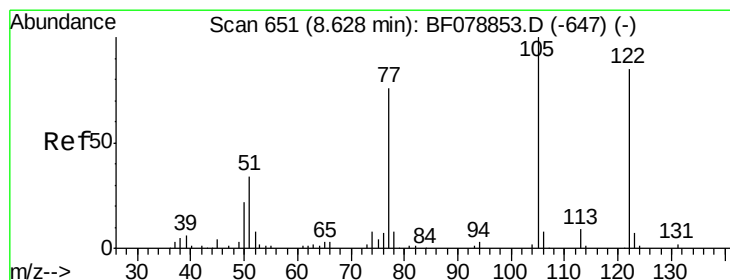
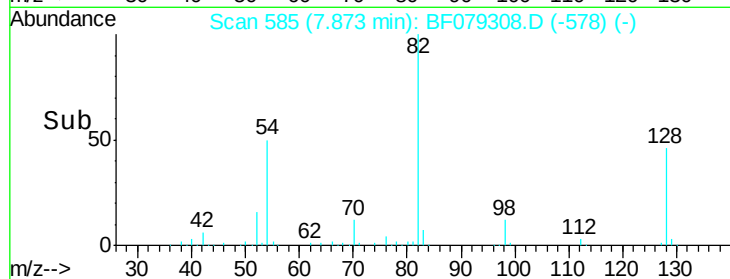
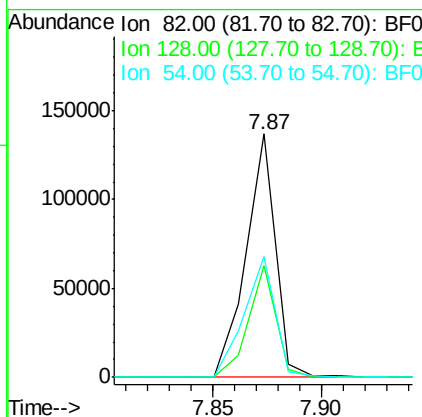
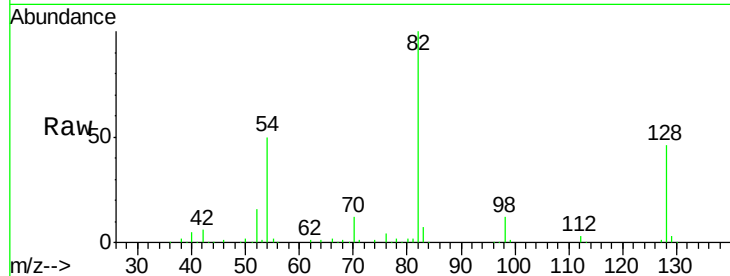
#23
Nitrobenzene-d5
Concen: 24.48 ng
RT: 7.87 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	29.7	44.5	
54	49.7	46.2	69.4	

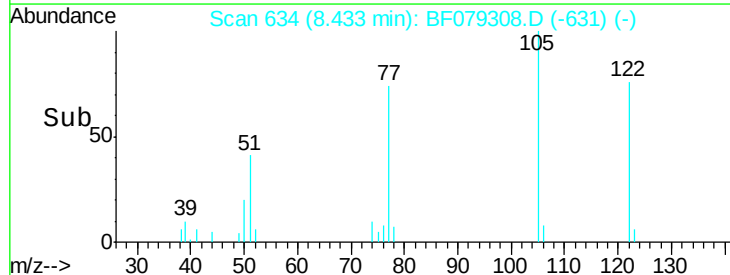
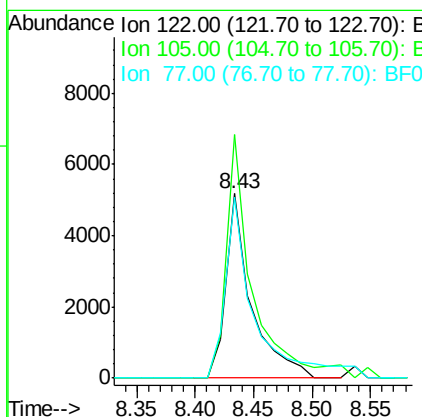
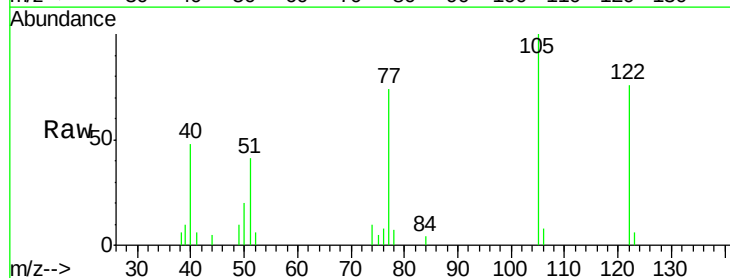
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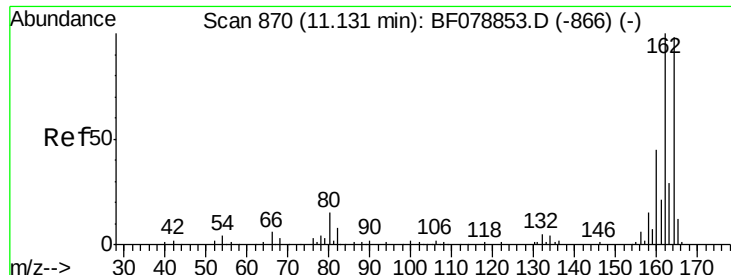
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#32
Benzoic acid
Concen: 8.83 ng m
RT: 8.43 min Scan# 634
Delta R.T. -0.05 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	132.0	100.7	140.7	
77	98.1	72.0	112.0	





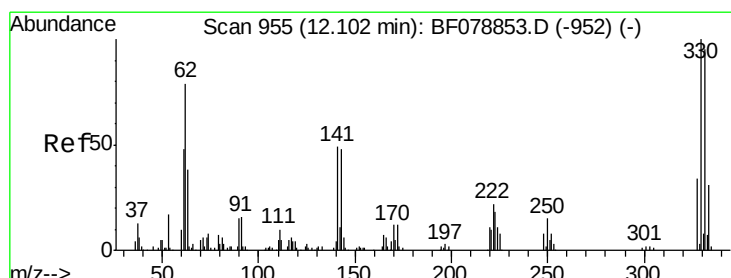
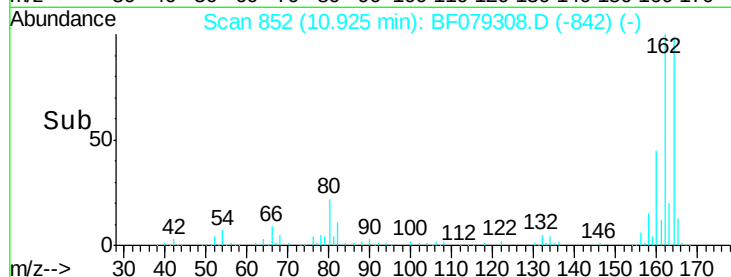
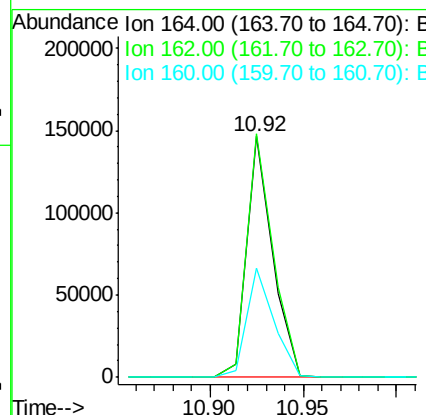
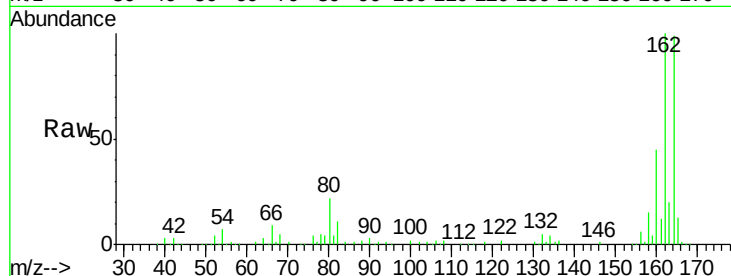
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.92 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	81.4	122.0	
160	45.6	36.6	54.8	

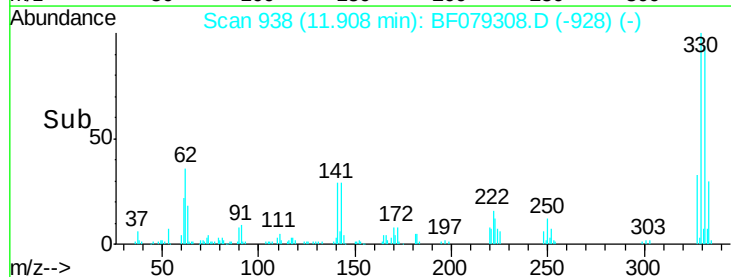
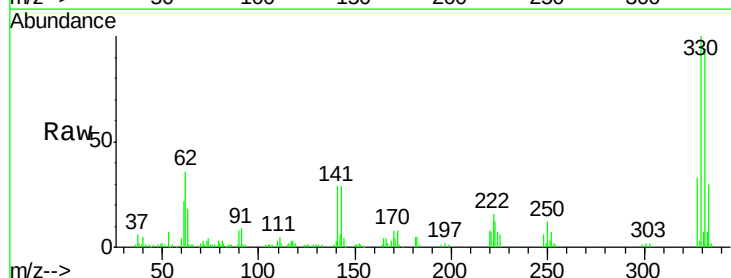
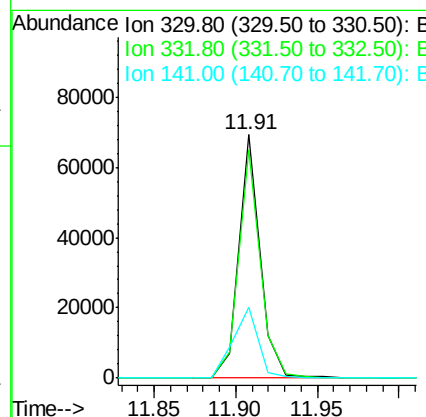
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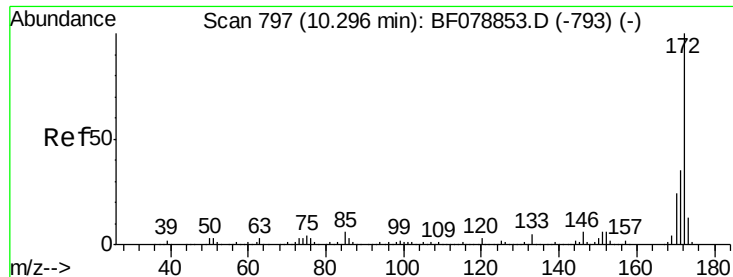
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#41
2,4,6-Tribromophenol
Concen: 40.66 ng
RT: 11.91 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.9	115.3	
141	34.1	27.8	41.8	





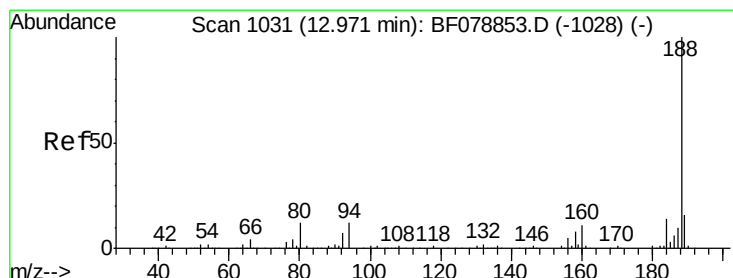
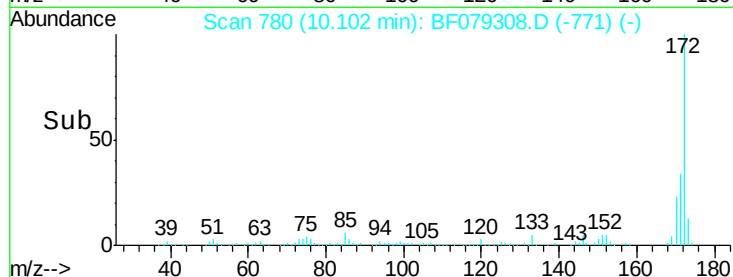
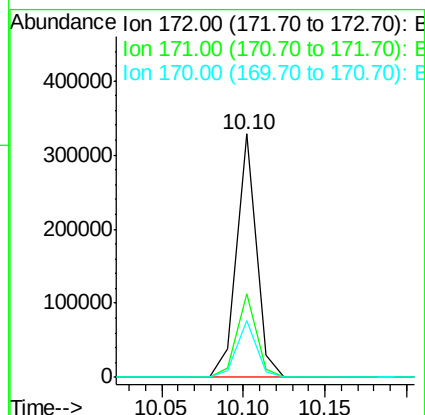
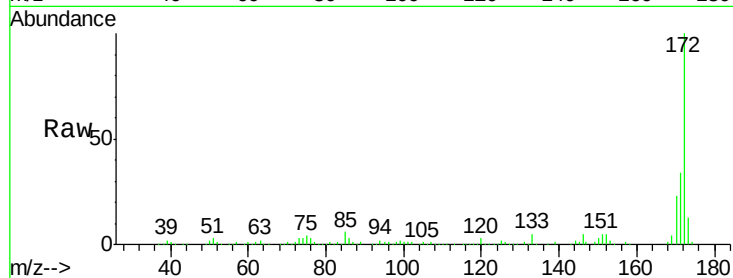
#44
2-Fluorobiphenyl
Concen: 27.03 ng
RT: 10.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	273532		
171	34.3		28.3	42.5
170	23.3		19.4	29.2

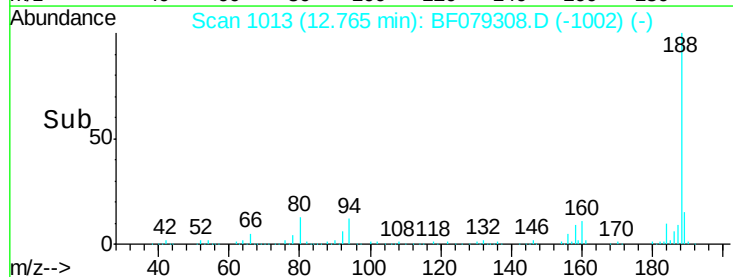
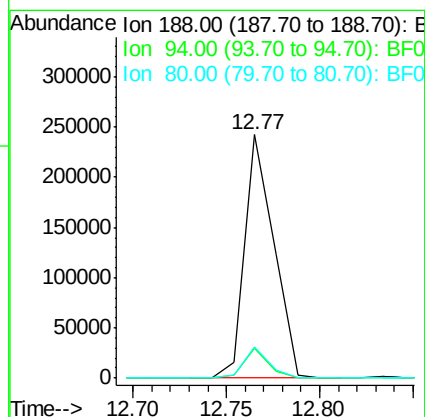
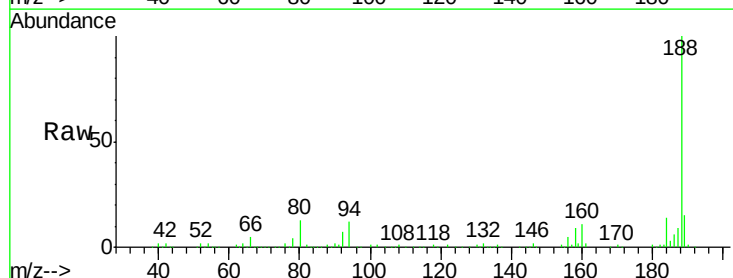
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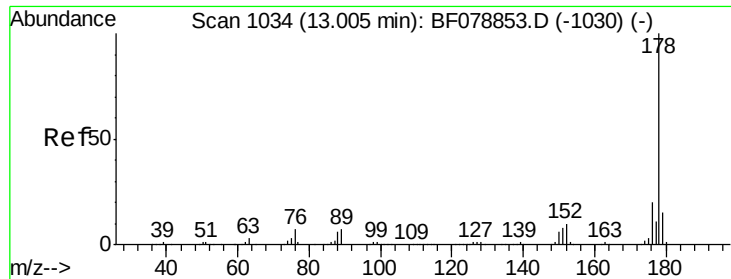
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	263240		
94	12.2		9.4	14.0
80	13.0		9.8	14.6





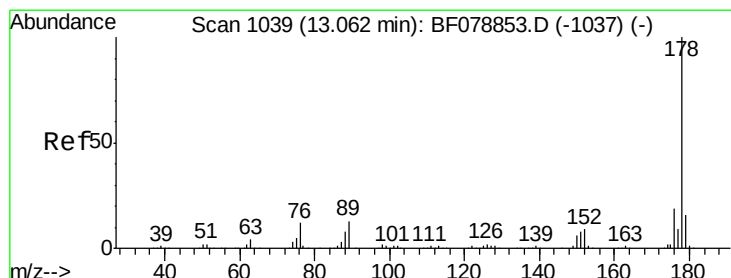
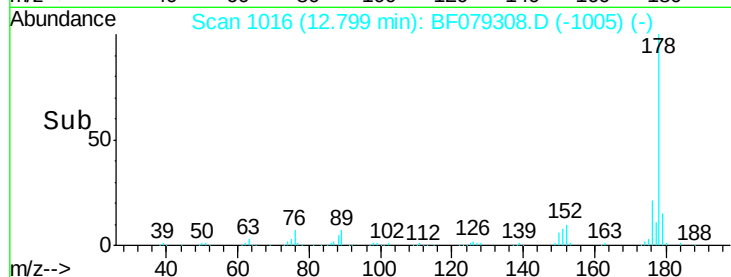
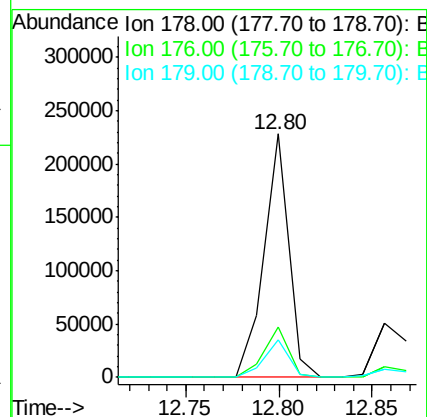
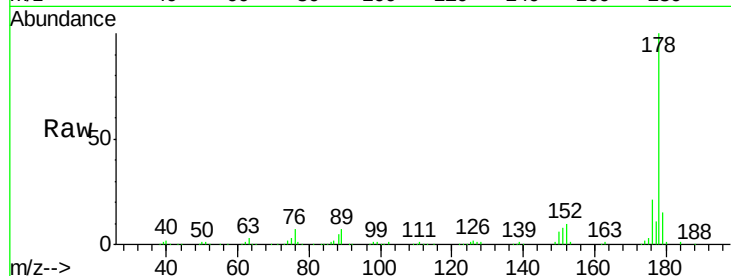
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Phenanthrene
Concen: 14.21 ng
RT: 12.80 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.9	23.9
179	15.2	12.2	18.4

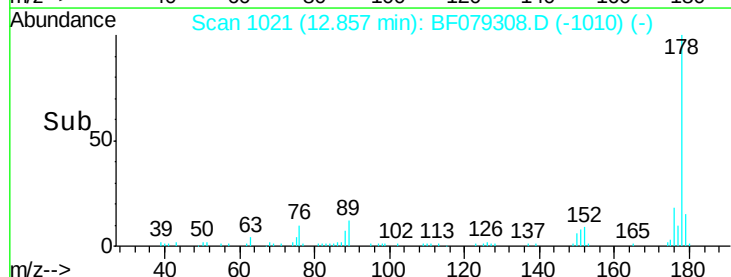
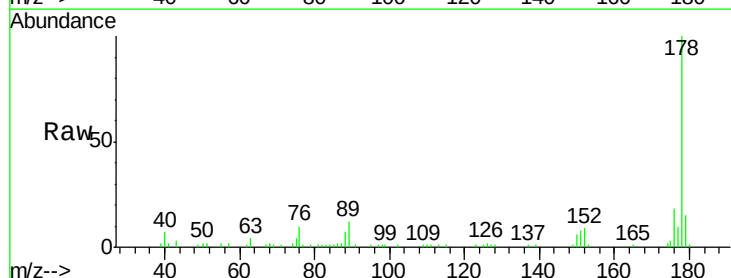
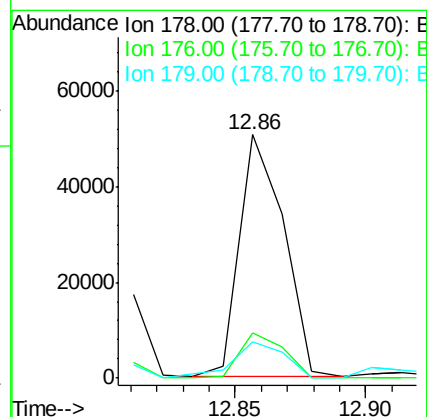
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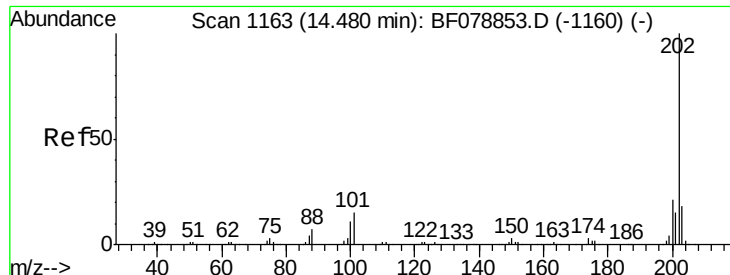
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#71
Anthracene
Concen: 4.17 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.0	12.6	19.0





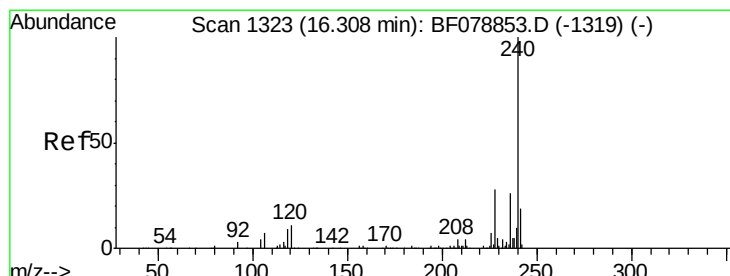
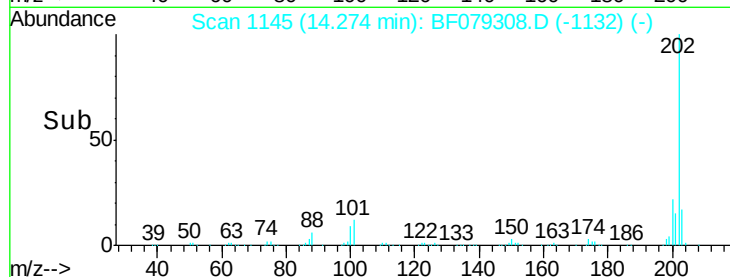
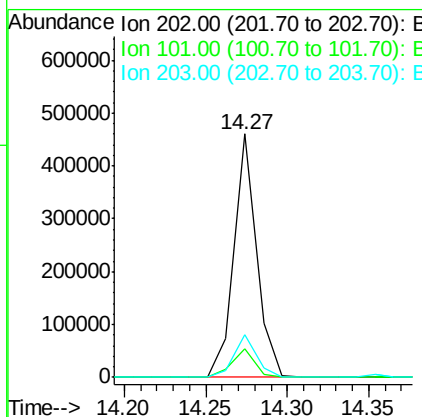
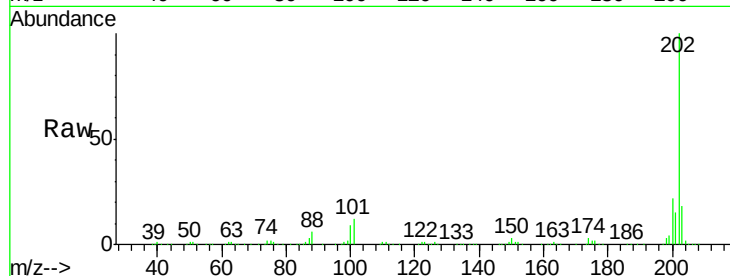
#74
Fluoranthene
Concen: 28.72 ng
RT: 14.27 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	34.7
203	17.8	0.0	37.9

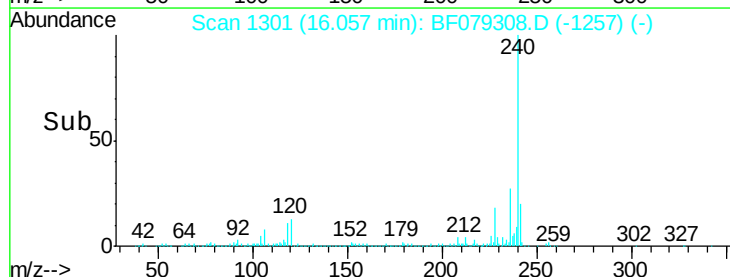
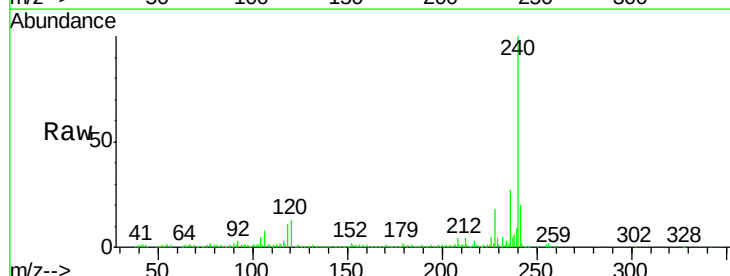
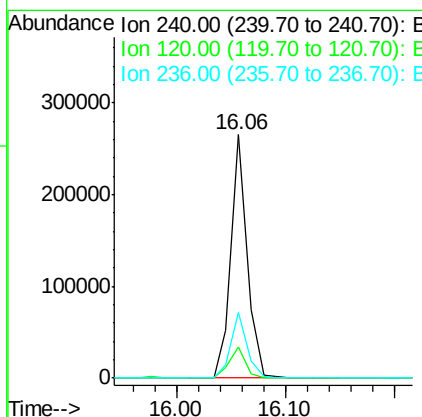
Manual Integrations
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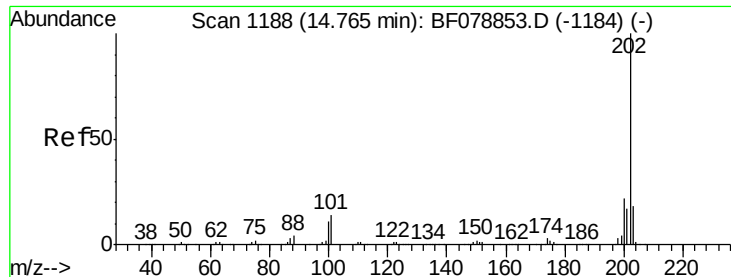
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.06 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.8	8.6	12.8
236	27.2	21.0	31.6





#77

Pvrene

Concen: 24.74 ng

RT: 14.56 min Scan# 1170

Delta R.T. 0.01 min

Lab File: BF079308.D

Acq: 16 May 2015 12:01

Instrument :

BNA_F

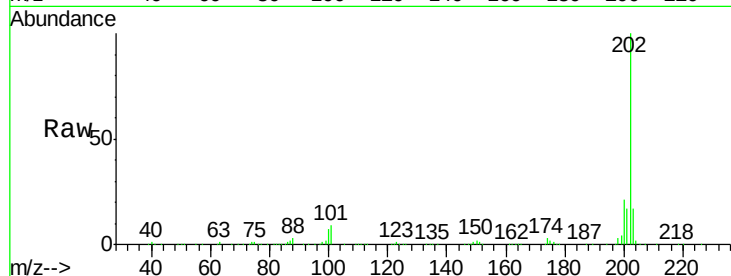
ClientSampleId :

2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		391416		
200	21.5		17.5	26.3	
203	17.2		14.7	22.1	

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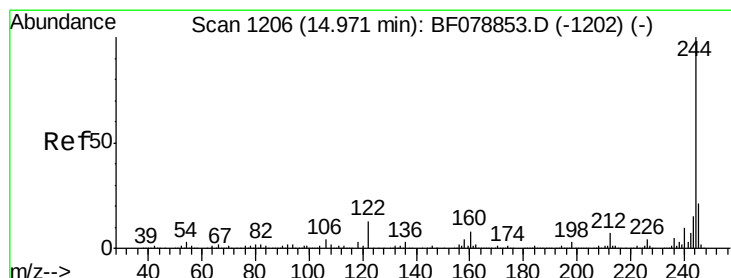
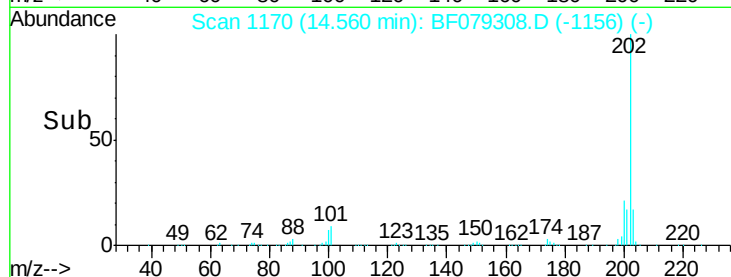
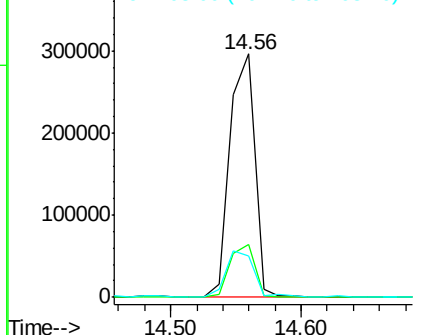
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 24.87 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF079308.D

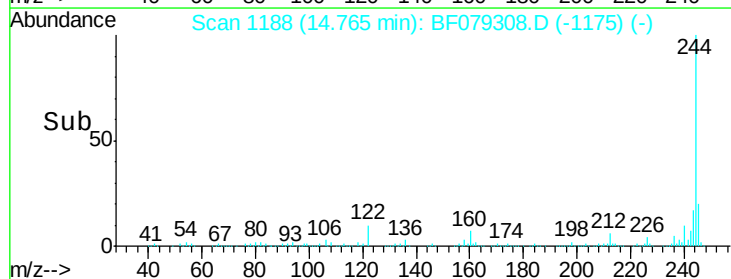
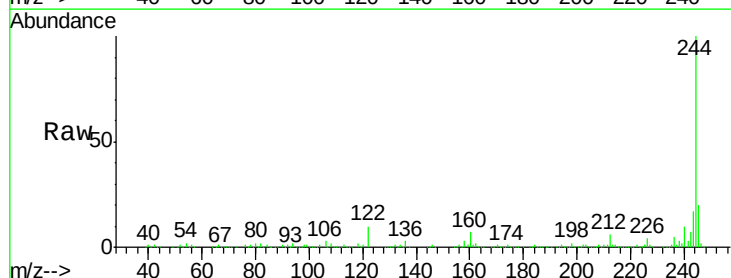
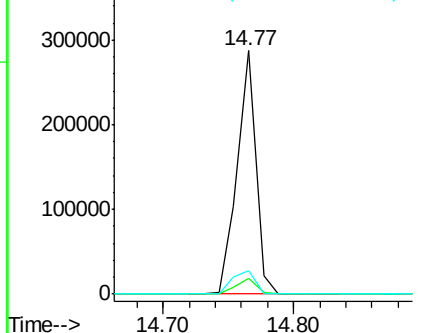
Acq: 16 May 2015 12:01

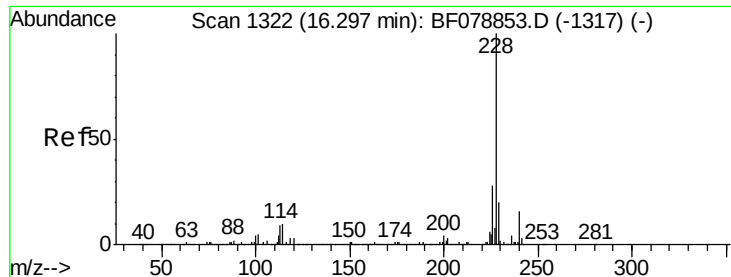
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		285147		
212	6.4		5.6	8.4	
122	9.8		10.5	15.7	

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





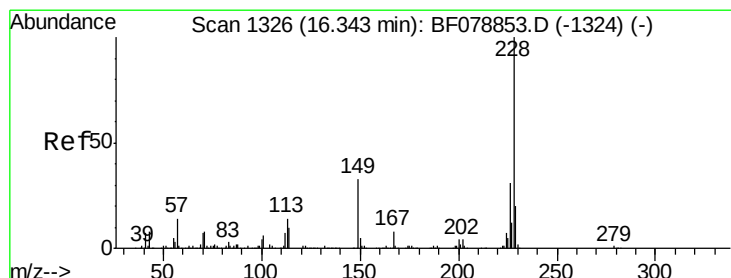
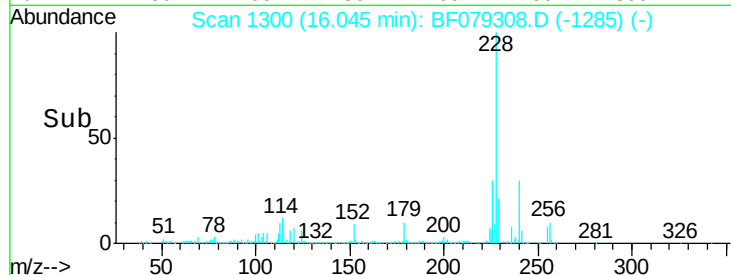
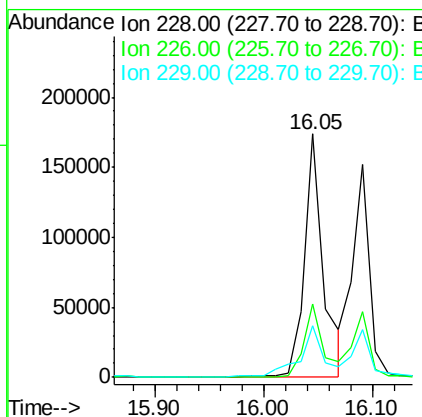
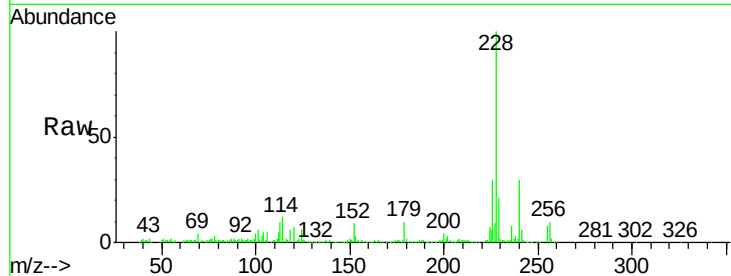
#80
Benzo(a)anthracene
Concen: 14.21 ng
RT: 16.05 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	213591		
226	30.1	22.3	33.5	
229	21.1	16.1	24.1	

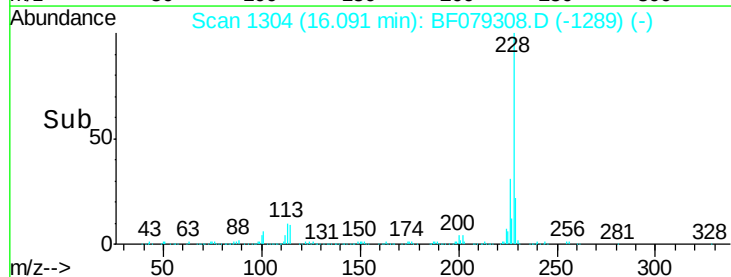
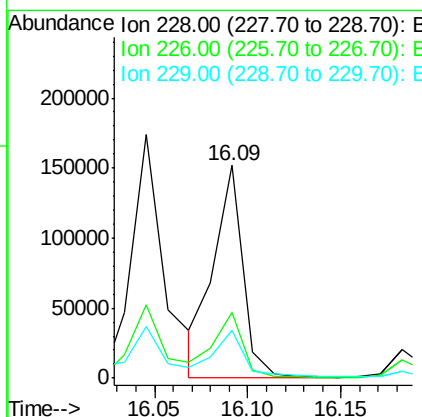
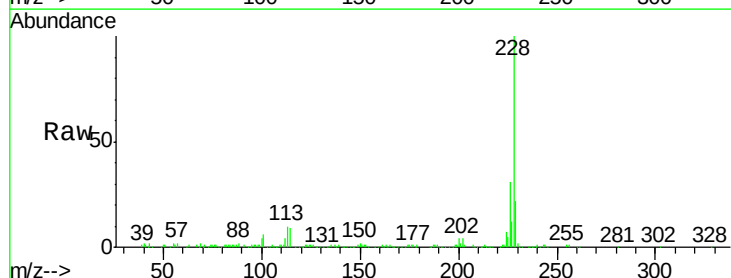
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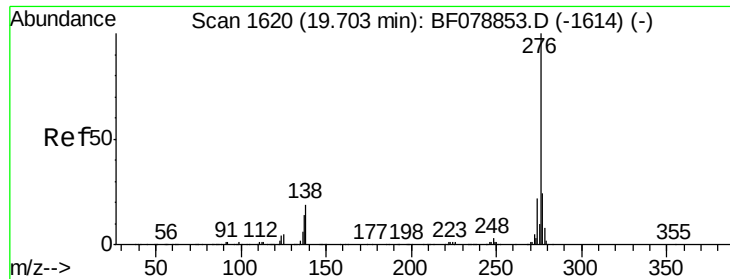
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#82
Chrysene
Concen: 11.32 ng
RT: 16.09 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	163686		
226	30.7	24.8	37.2	
229	22.2	16.1	24.1	





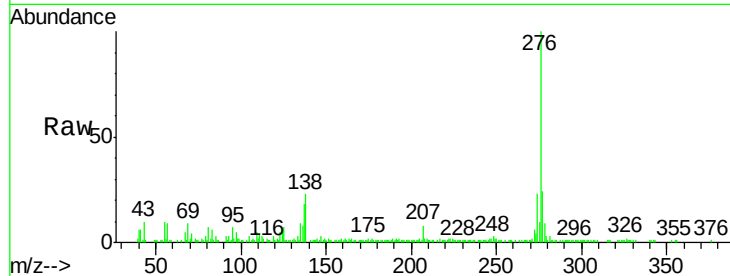
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.34 ng
 RT: 19.20 min Scan# 1576
 Delta R.T. 0.03 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Instrument :
 BNA_F
 ClientSampleId :
 2

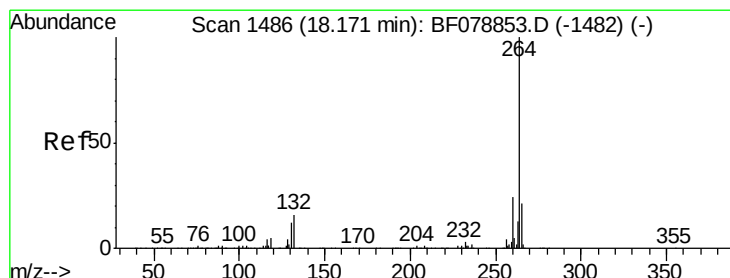
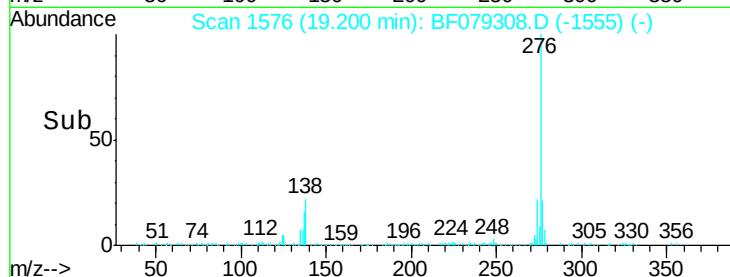
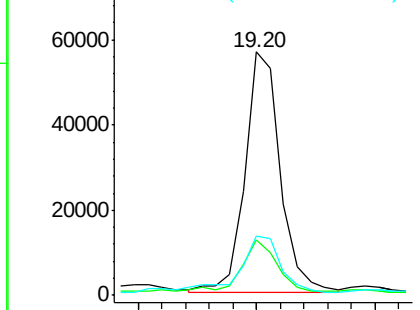
Tot Ion:	276	Resp:	116711
Ion Ratio		Lower	Upper
276	100		
138	24.5	21.1	31.7
277	28.6	19.9	29.9

Manual Integrations
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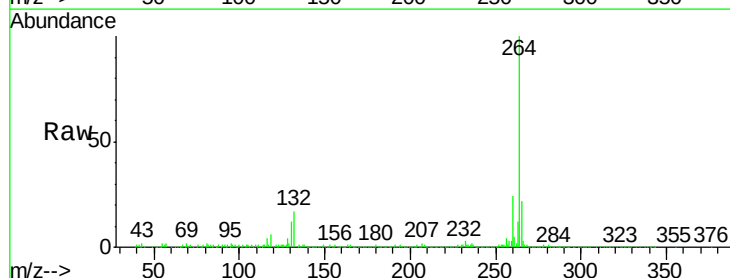


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

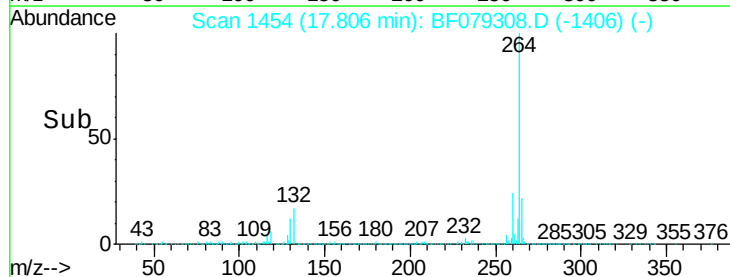
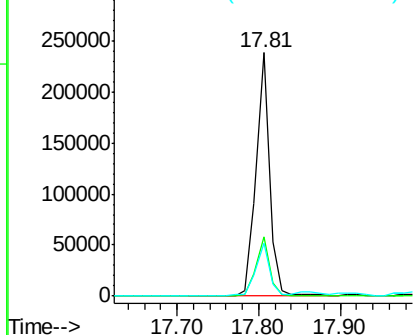


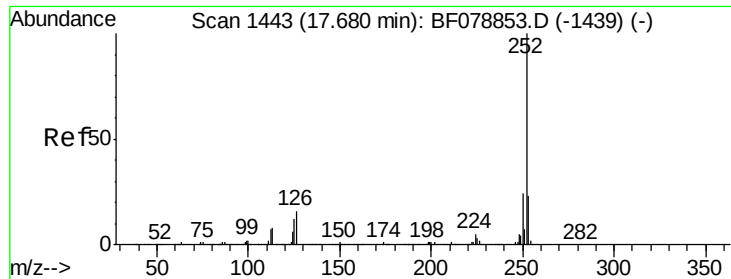
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.81 min Scan# 1454
 Delta R.T. 0.05 min
 Lab File: BF079308.D
 Acq: 16 May 2015 12:01

Tgt Ion:	264	Resp:	275682
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.0	17.2	25.8



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





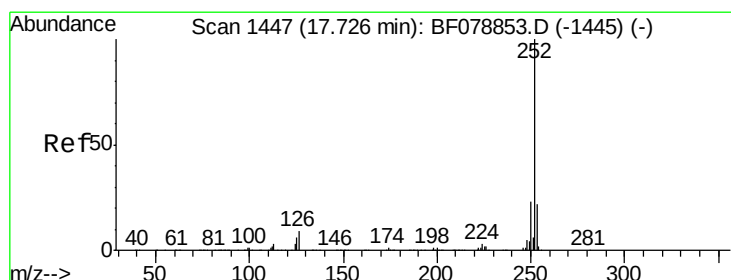
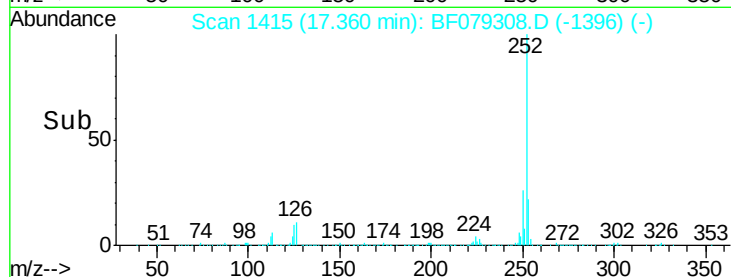
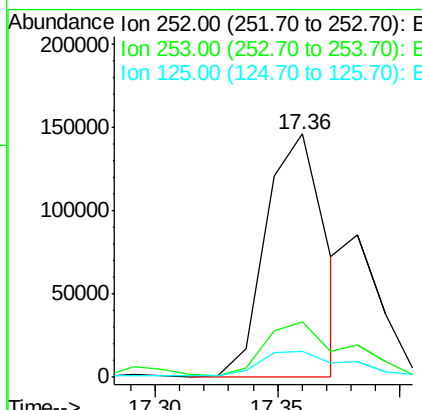
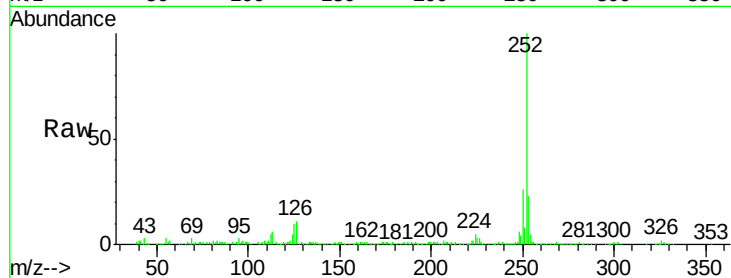
#87
Benzo(b)fluoranthene
Concen: 16.20 ng m
RT: 17.36 min Scan# 1415
Delta R.T. 0.03 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	244439		
253	22.9	18.1	27.1	
125	10.5	9.4	14.2	

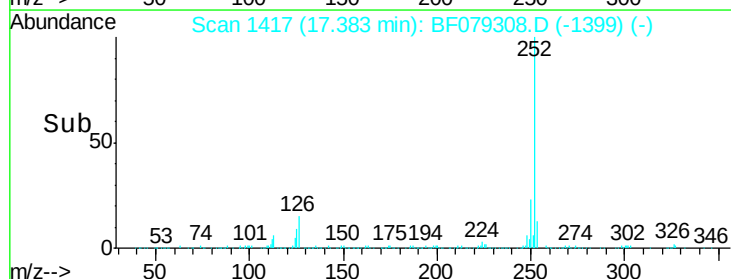
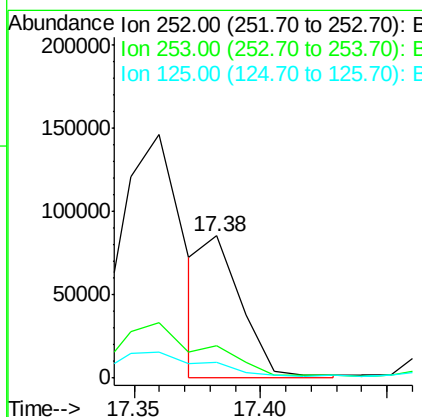
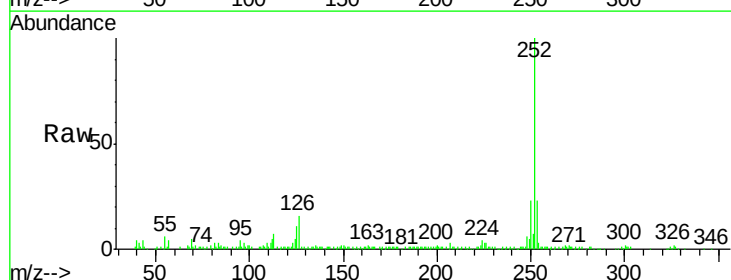
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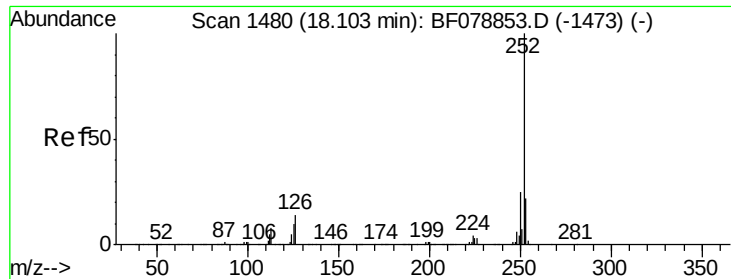
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#88
Benzo(k)fluoranthene
Concen: 6.15 ng m
RT: 17.38 min Scan# 1417
Delta R.T. 0.02 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	89897		
253	22.8	17.4	26.0	
125	10.7	6.1	9.1	





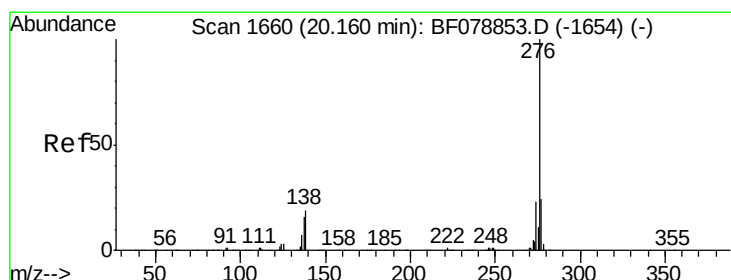
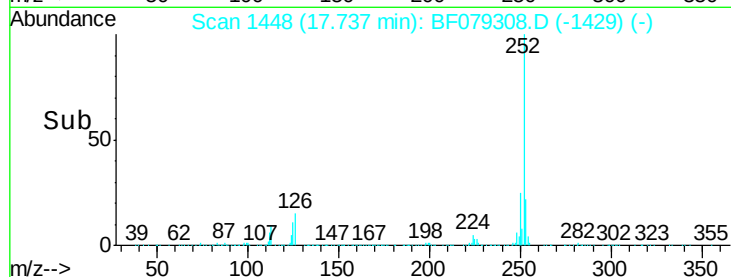
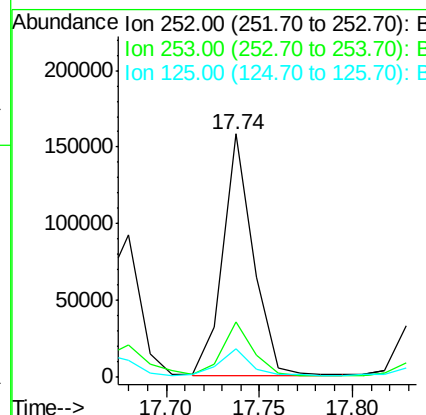
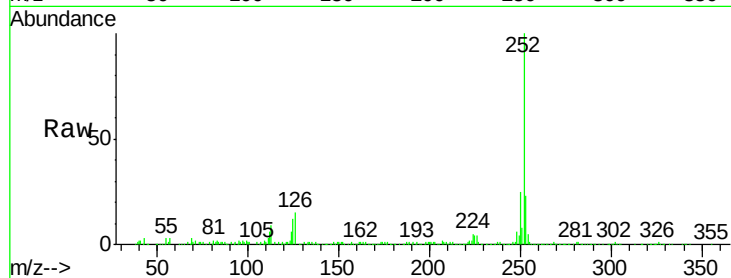
#89
Benzo(a)pyrene
Concen: 12.85 ng
RT: 17.74 min Scan# 1448
Delta R.T. 0.03 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	178579		
253	23.0		18.0	27.0
125	11.9		8.2	12.2

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.73 ng
RT: 19.62 min Scan# 1613
Delta R.T. 0.05 min
Lab File: BF079308.D
Acq: 16 May 2015 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	114333		
277	24.5		18.8	28.2
138	19.6		15.2	22.8

