

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079007.D
 Acq On : 7 May 2015 20:35
 Operator : TP/IZ
 Sample : G2084-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Manual Integrations
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Quant Time: May 08 01:54:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 00:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	59630	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	258450	20.00	ng	0.01
38) Acenaphthene-d10	11.10	164	127395	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	255413	20.00	ng	0.01
75) Chrysene-d12	16.26	240	281297	20.00	ng	-0.01
86) Perylene-d12	18.07	264	296243	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	310130	89.53	ng	0.01
7) Phenol-d6	6.90	99	443183	96.79	ng	0.01
23) Nitrobenzene-d5	8.03	82	235886	52.45	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	104104	75.54	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	340940	37.29	ng	0.00
78) Terphenyl-d14	14.95	244	386602	32.90	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	8.58	122	8860	9.64	ng	95
49) Dimethylphthalate	10.76	163	28769	3.08	ng	99
70) Phenanthrene	12.97	178	43594	3.05	ng	97
74) Fluoranthene	14.46	202	116810	7.85	ng	95
77) Pyrene	14.74	202	105878	6.53	ng	99
80) Benzo(a)anthracene	16.25	228	69685m	4.52	ng	
82) Chrysene	16.29	228	67946	4.59	ng	96
85) Indeno(1,2,3-cd)pyrene	19.58	276	50611m	2.68	ng	
87) Benzo(b)fluoranthene	17.60	252	115365m	7.11	ng	
88) Benzo(k)fluoranthene	17.63	252	34427m	2.19	ng	
89) Benzo(a)pyrene	18.00	252	72837	4.88	ng	# 91
91) Benzo(a,h,i)perylene	20.02	276	49313	3.10	ng	# 92

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

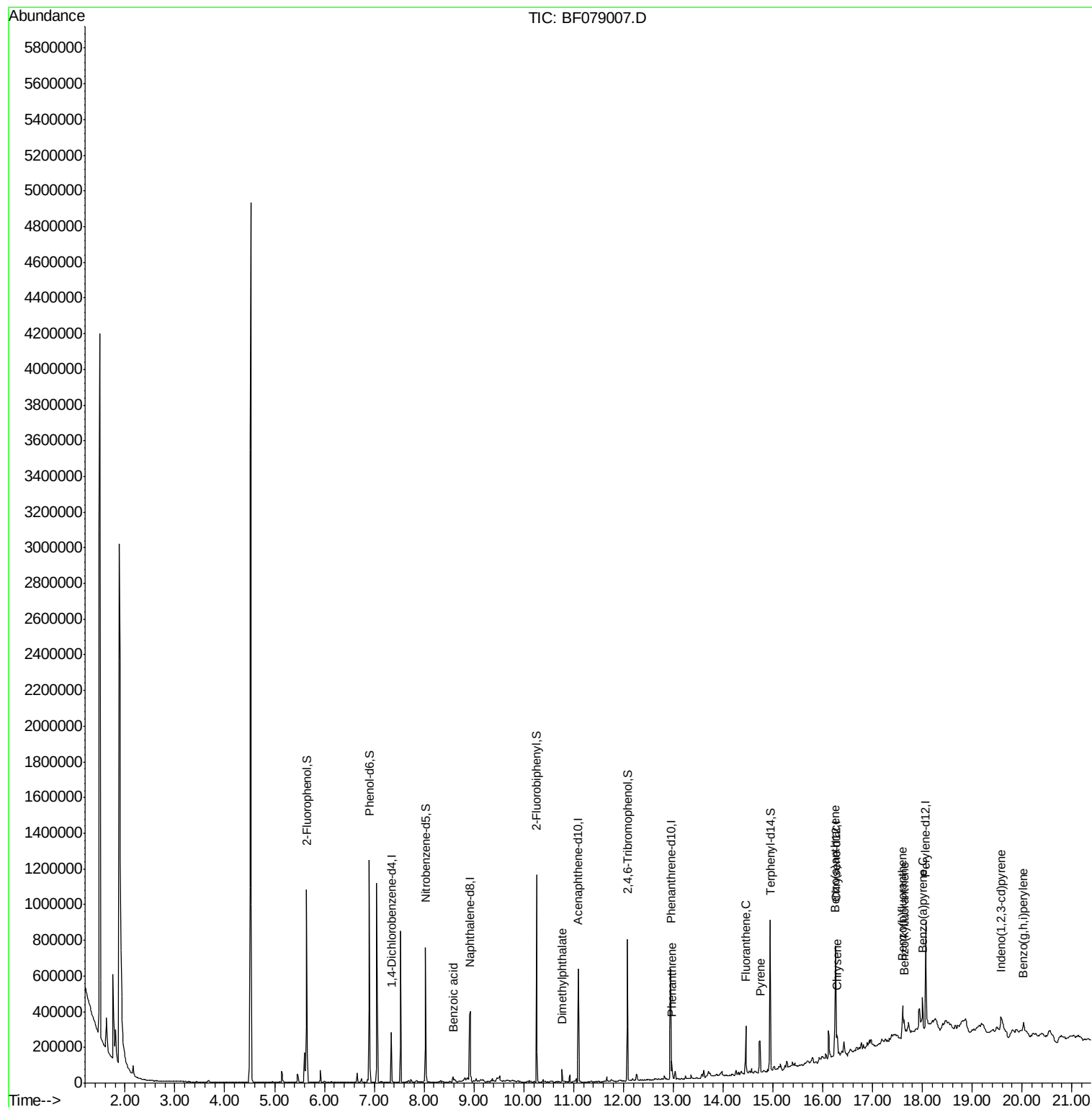
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF079007.D
Acq On : 7 May 2015 20:35
Operator : TP/IZ
Sample : G2084-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

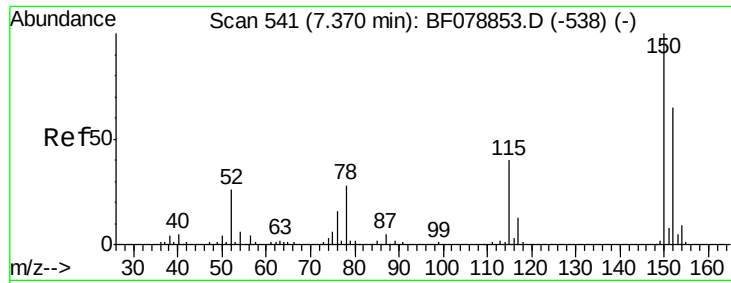
Instrument :
BNA_F
ClientSampleId :
2

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Quant Time: May 08 01:54:32 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

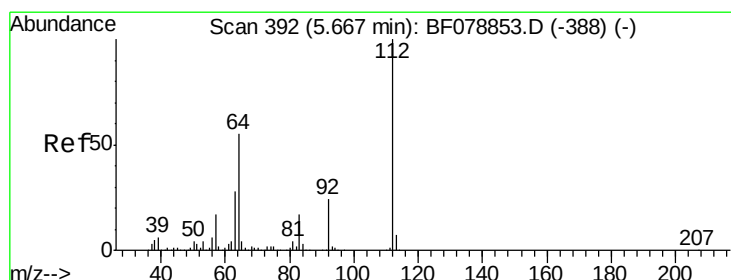
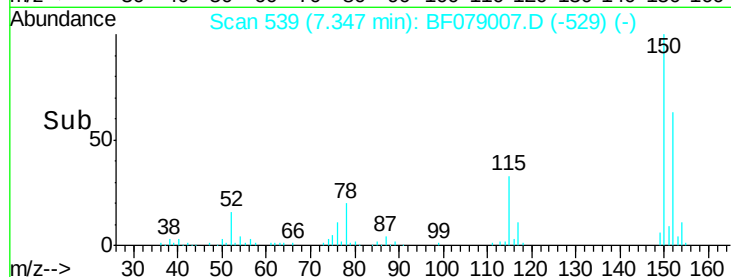
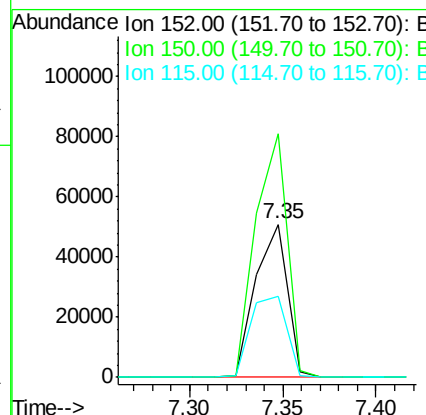
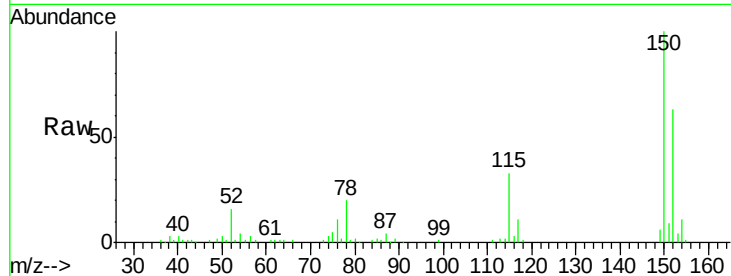
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.0	183.0
115	53.3	46.3	69.5

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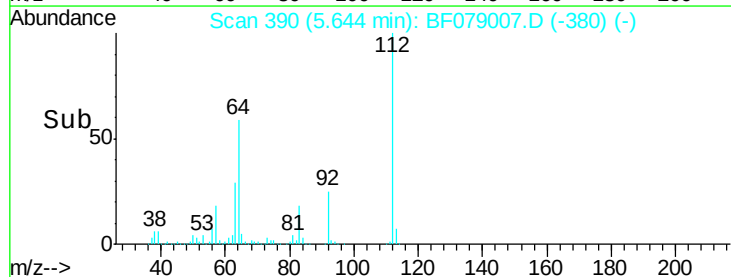
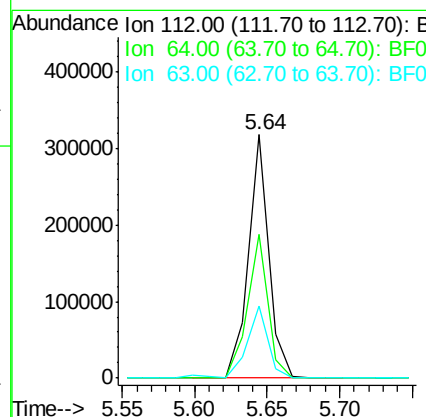
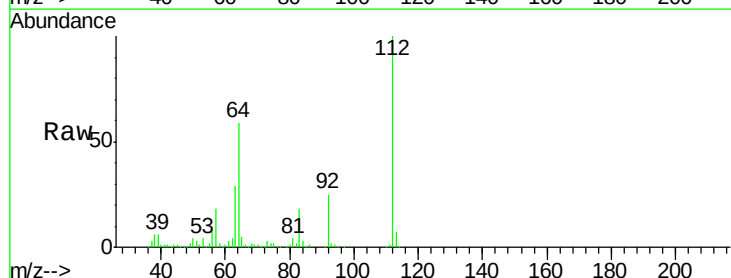
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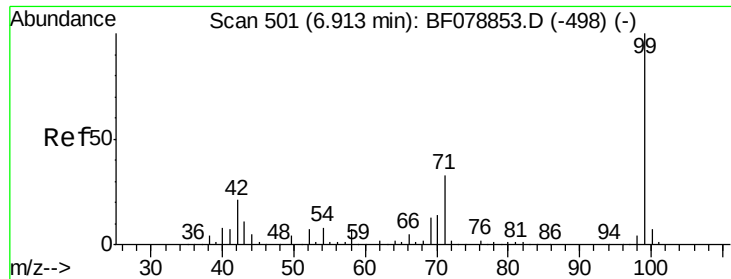


#5

2-Fluorophenol
Concen: 89.53 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	53.5	80.3
63	29.4	27.5	41.3





#7

Phenol-d6

Concen: 96.79 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

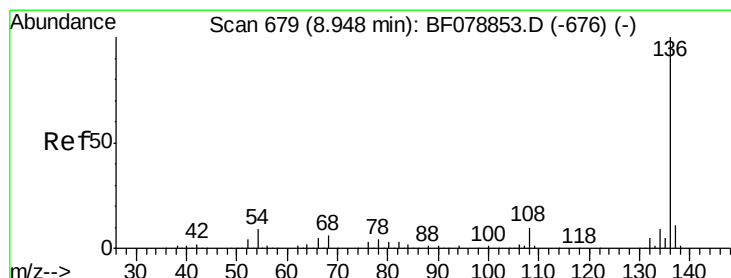
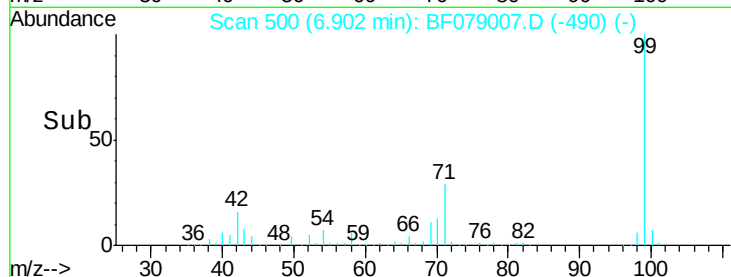
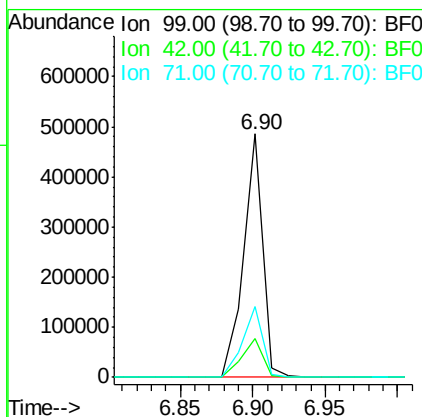
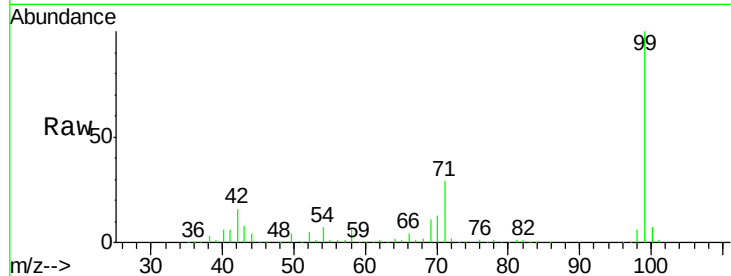
ClientSampled :

2

Tot Ion:	99	Resp:	443183
Ion Ratio	Lower	Upper	
99	100		
42	16.2	12.8	19.2
71	29.0	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

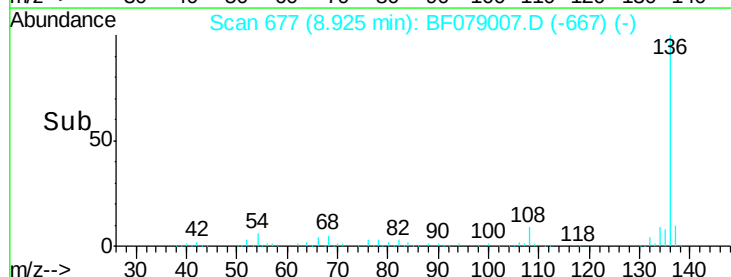
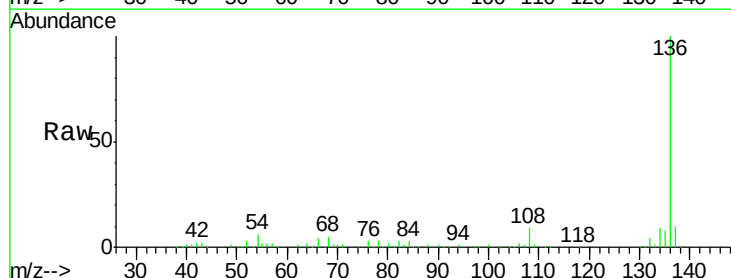
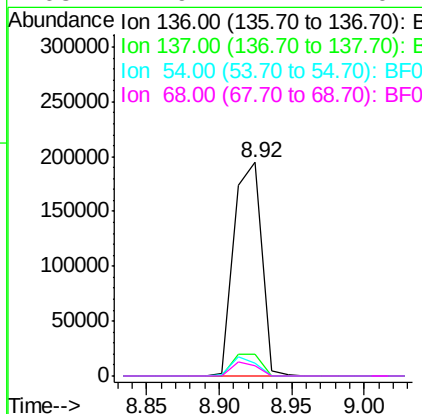
RT: 8.92 min Scan# 677

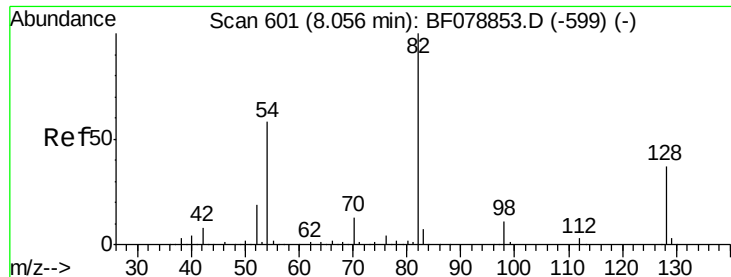
Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Tgt Ion:	136	Resp:	258450
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.7	13.1
54	5.8	5.8	8.8#
68	4.9	4.2	6.4





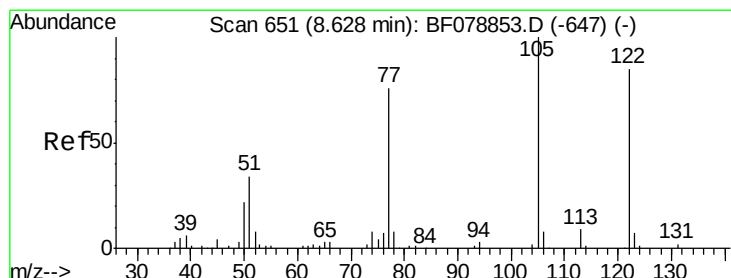
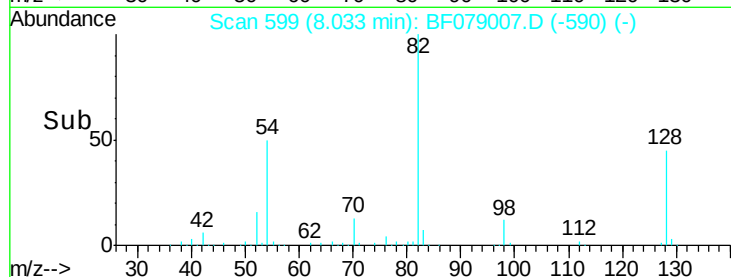
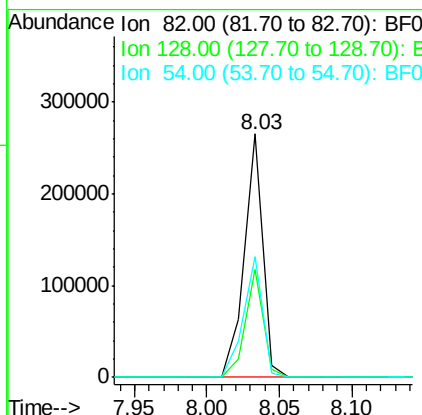
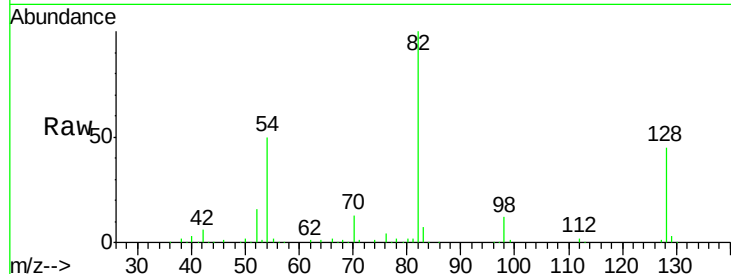
#23
 Nitrobenzene-d5
 Concen: 52.45 ng
 RT: 8.03 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.5	30.0	45.0	
54	49.7	46.4	69.6	

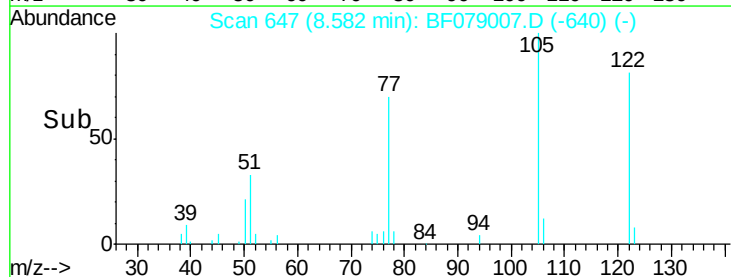
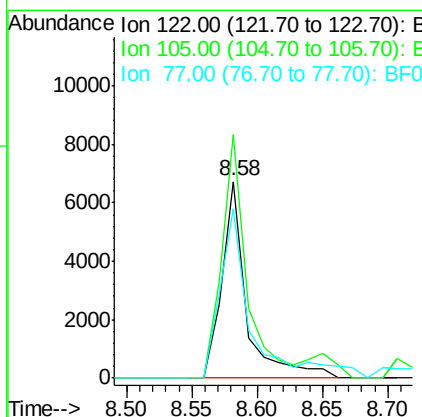
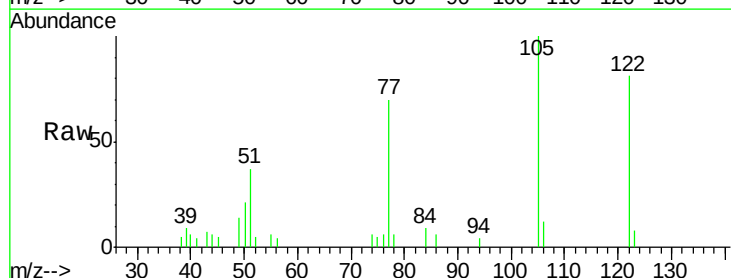
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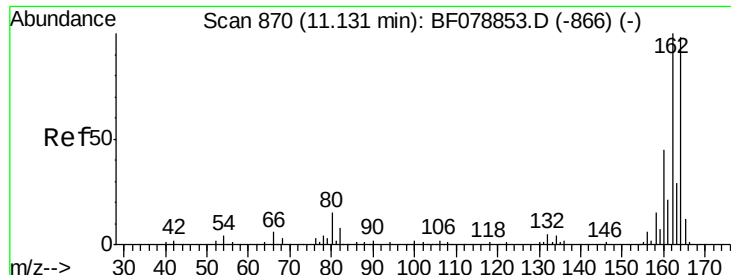
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#32
 Benzoic acid
 Concen: 9.64 ng
 RT: 8.58 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF079007.D
 Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	123.9	107.1	147.1	
77	86.5	73.9	113.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF079007.D

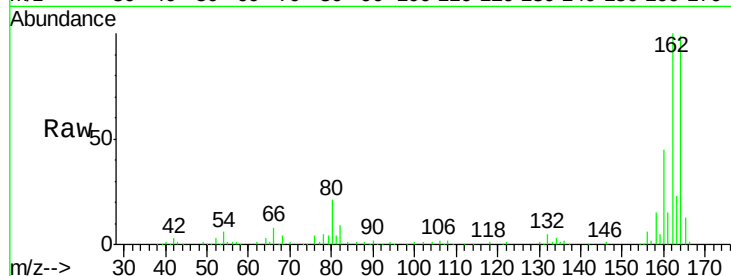
Acq: 7 May 2015 20:35

Instrument :

BNA_F

ClientSampled :

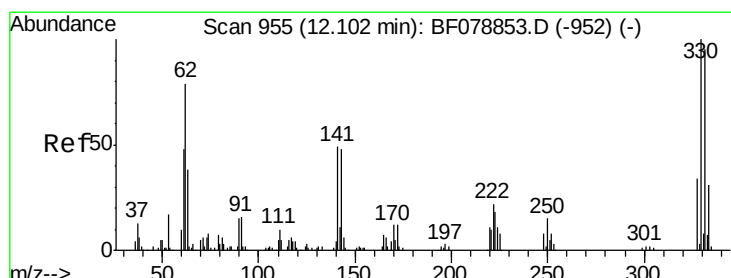
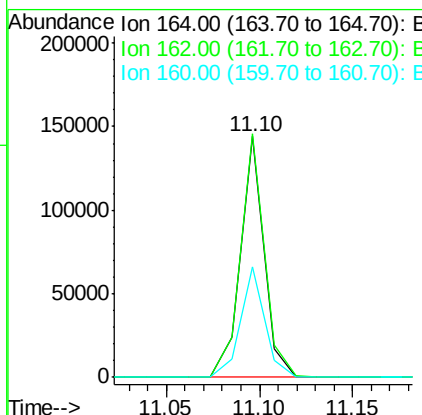
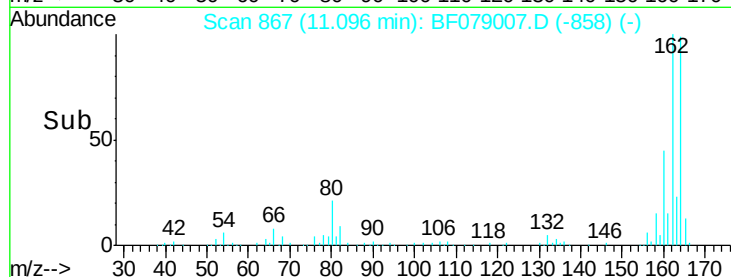
2



Tot Ion	164	Resp	127395
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.7	124.1
160	46.0	35.8	53.8

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#41

2,4,6-Tribromophenol

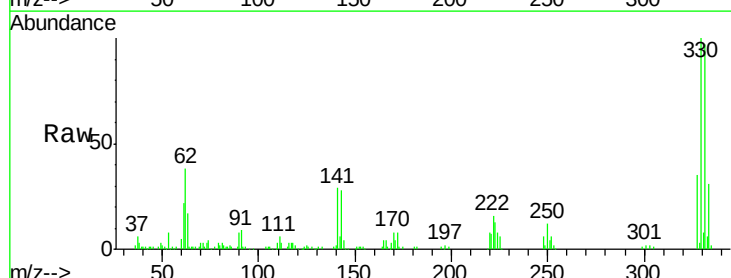
Concen: 75.54 ng

RT: 12.08 min Scan# 953

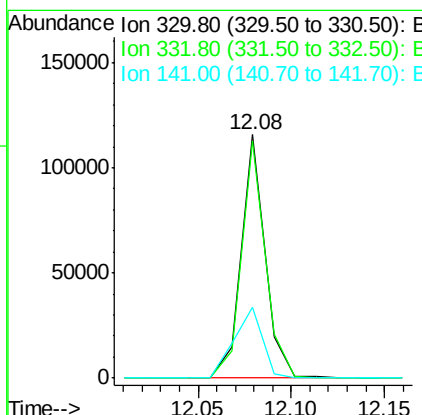
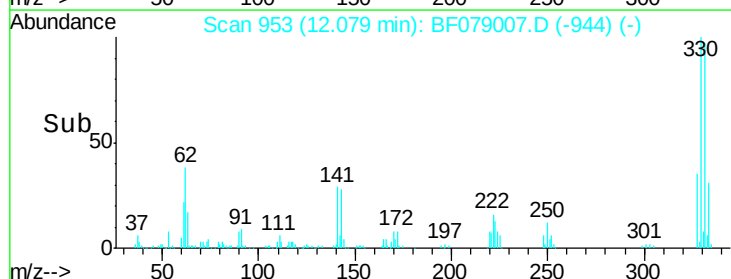
Delta R.T. -0.00 min

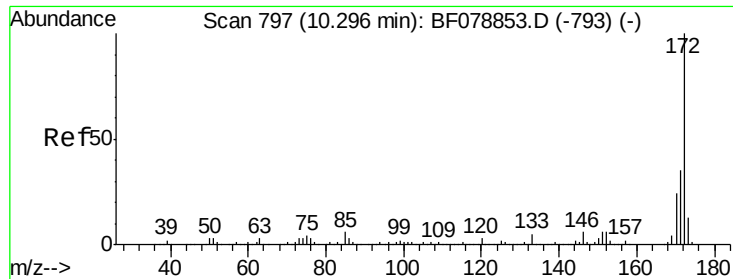
Lab File: BF079007.D

Acq: 7 May 2015 20:35



Tgt Ion	330	Resp	104104
Ion Ratio	Lower	Upper	
330	100		
332	97.7	0.0	0.0#
141	35.0	0.0	0.0#





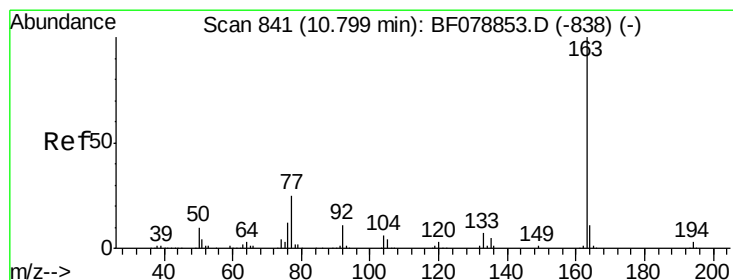
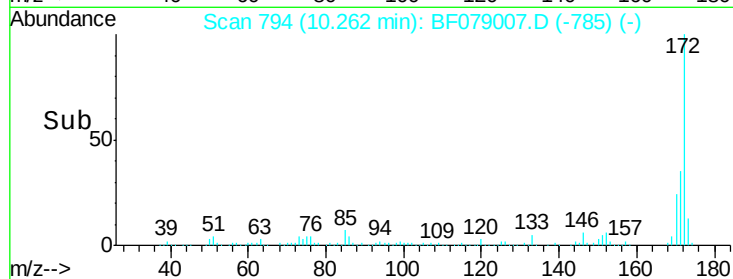
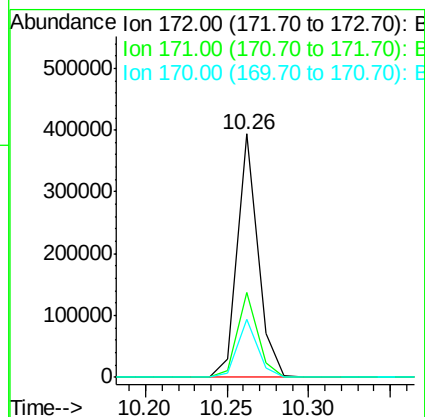
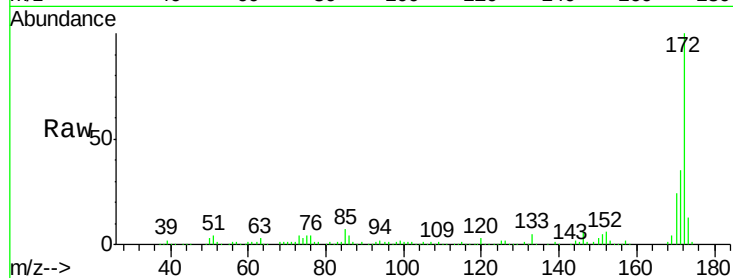
#44
2-Fluorobiphenyl
Concen: 37.29 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	340940		
171	34.7	27.9	41.9	
170	23.9	19.4	29.0	

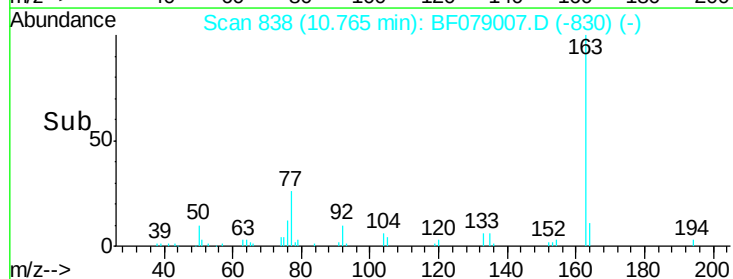
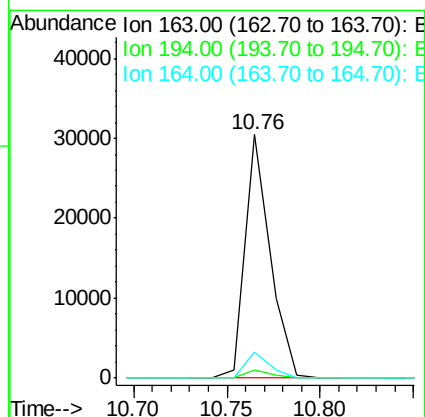
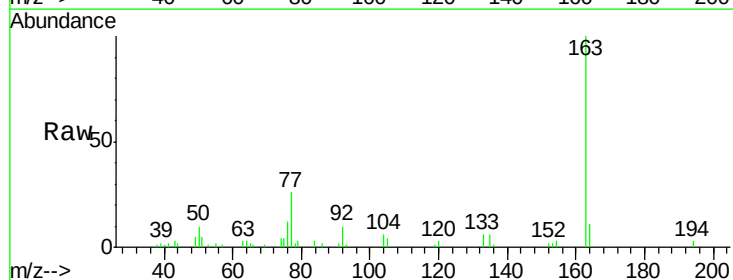
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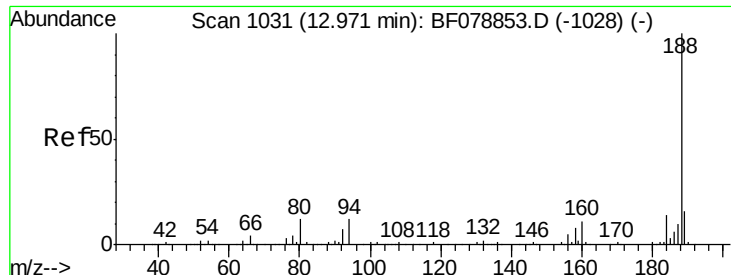
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#49
Dimethylphthalate
Concen: 3.08 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	28769		
194	3.1	2.6	4.0	
164	10.5	8.1	12.1	





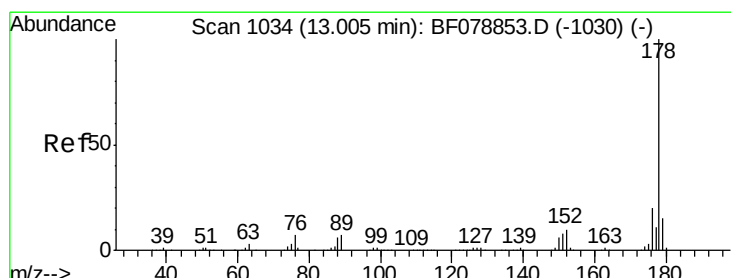
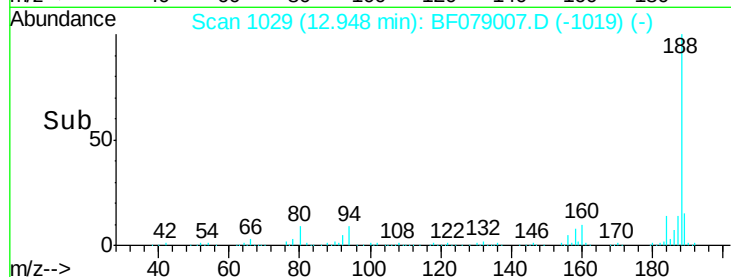
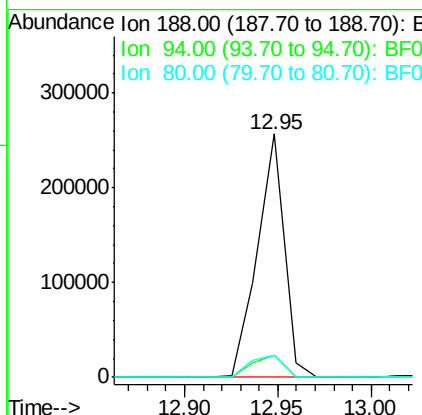
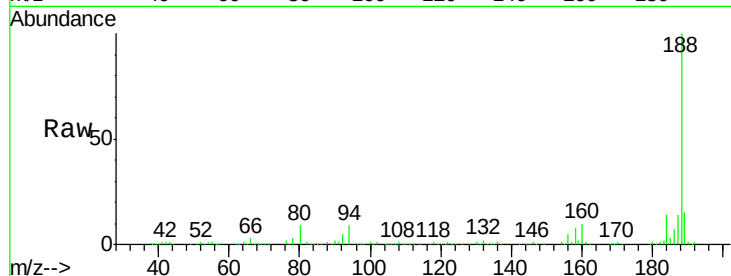
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.0	8.9	13.3

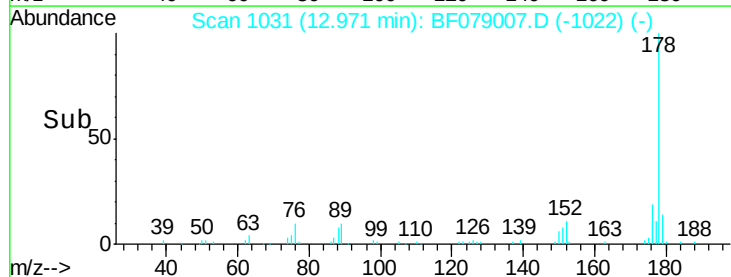
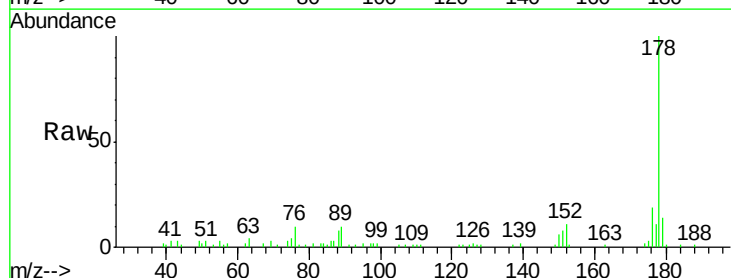
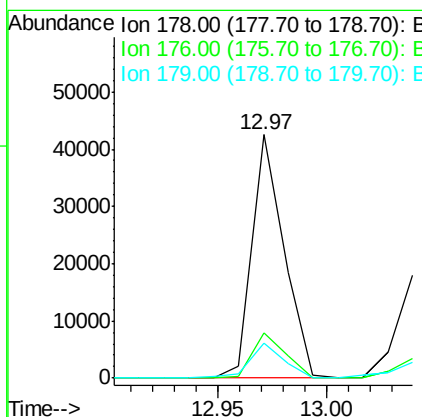
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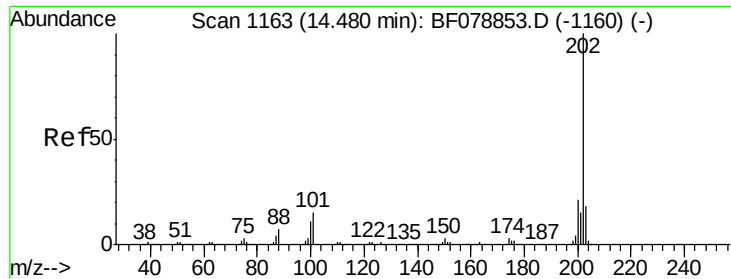
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#70
Phenanthrene
Concen: 3.05 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.3	12.5	18.7





#74

Fluoranthene

Concen: 7.85 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

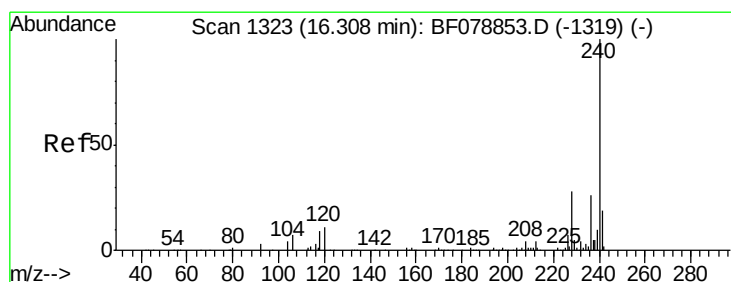
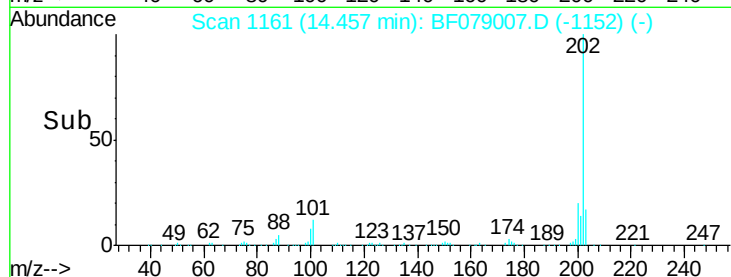
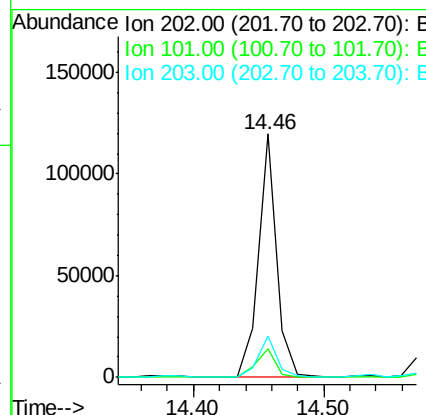
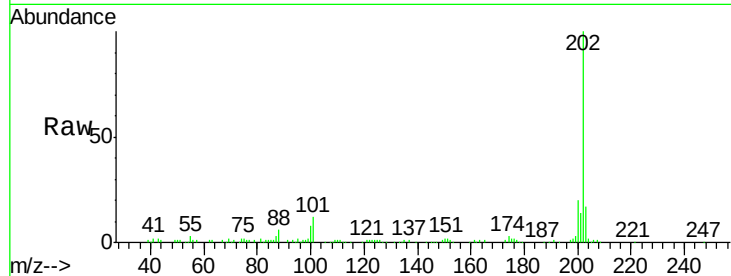
ClientSampled :

2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	116810		
101	11.9	0.0	34.6	
203	17.0	0.0	38.4	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

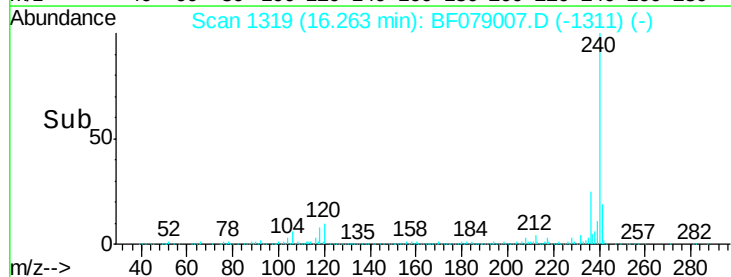
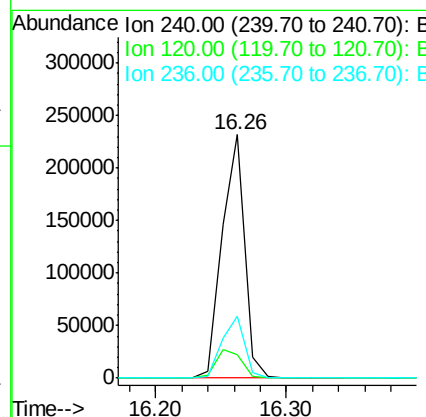
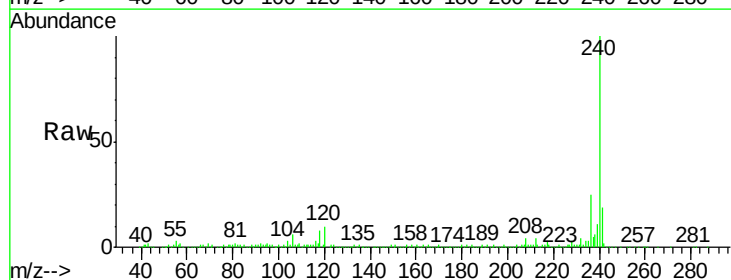
RT: 16.26 min Scan# 1319

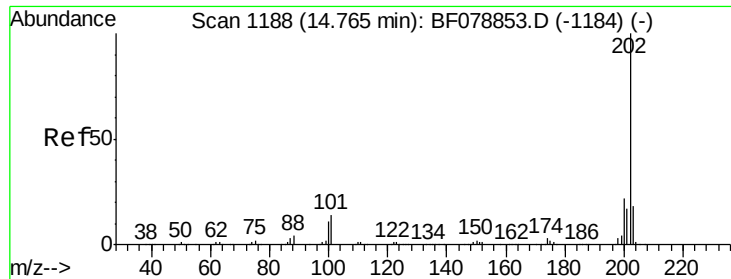
Delta R.T. -0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	281297		
120	9.8	9.7	14.5	
236	25.3	20.2	30.4	





#77

Pvrene

Concen: 6.53 ng

RT: 14.74 min Scan# 1186

Delta R.T. 0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

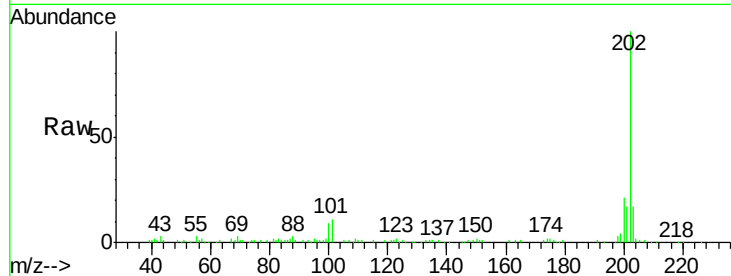
ClientSampled :

2

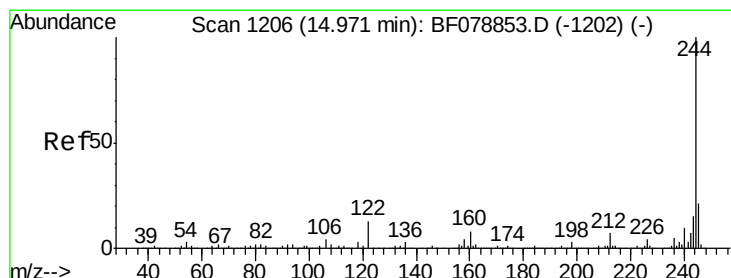
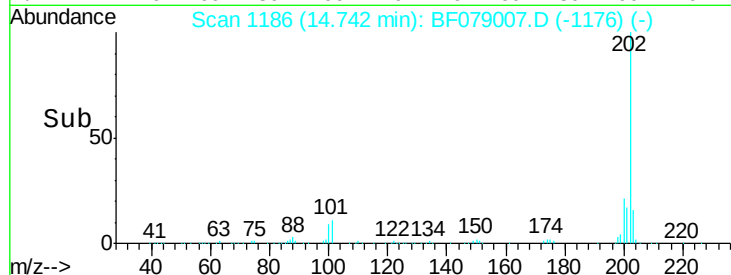
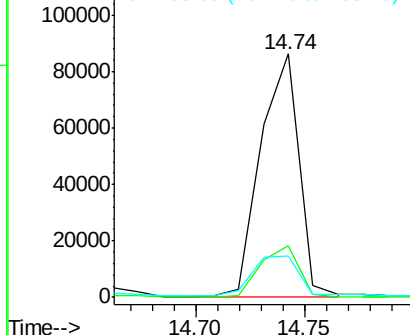
Tot Ion:	202	Resp:	105878
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.5	26.3
203	17.0	13.9	20.9

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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: 32.90 ng

RT: 14.95 min Scan# 1204

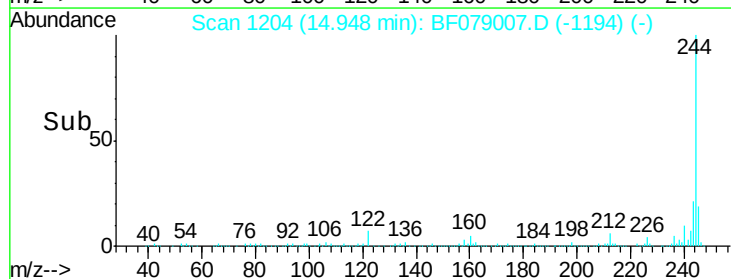
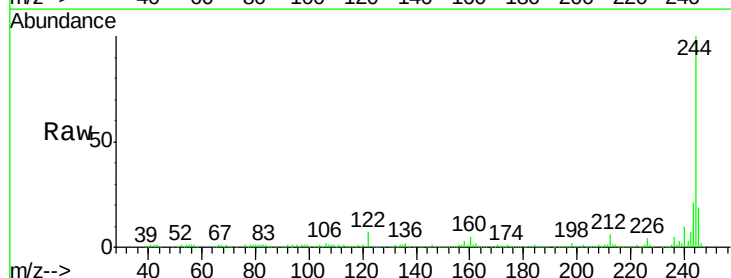
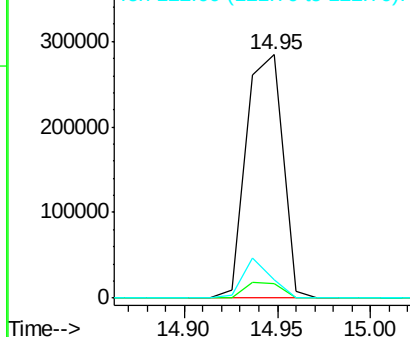
Delta R.T. 0.01 min

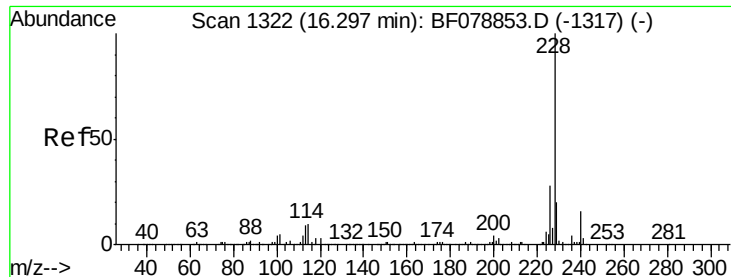
Lab File: BF079007.D

Acq: 7 May 2015 20:35

Tgt Ion:	244	Resp:	386602
Ion Ratio		Lower	Upper
244	100		
212	6.0	5.6	8.4
122	7.3	10.3	15.5#

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: 4.52 ng/mL

RT: 16.25 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

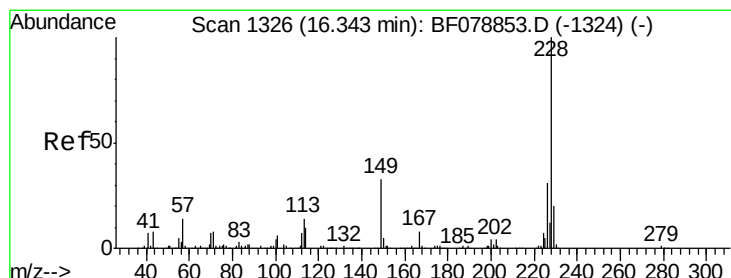
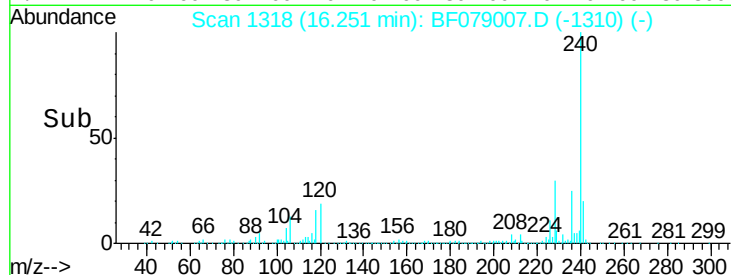
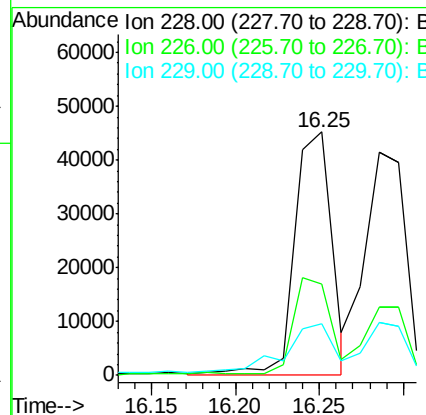
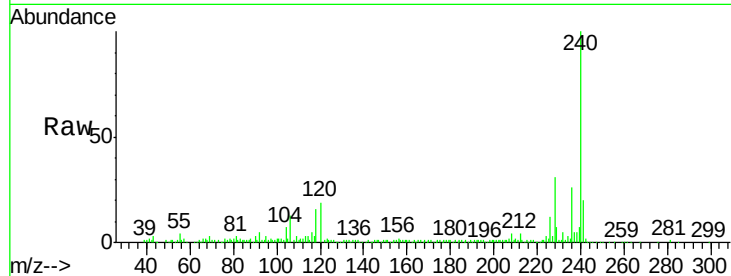
ClientSampled :

2

Tot Ion:	228	Resp:	69685
Ion Ratio	Lower	Upper	
228	100		
226	37.5	22.6	33.8#
229	21.3	15.9	23.9

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#82

Chrysene

Concen: 4.59 ng/mL

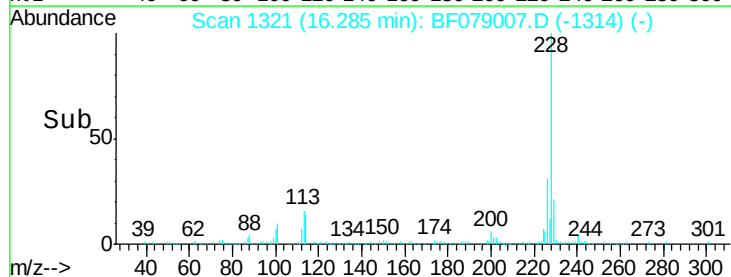
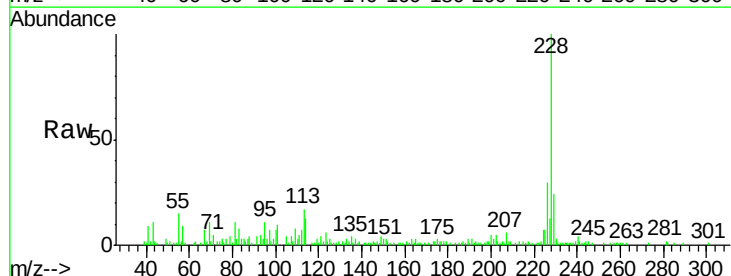
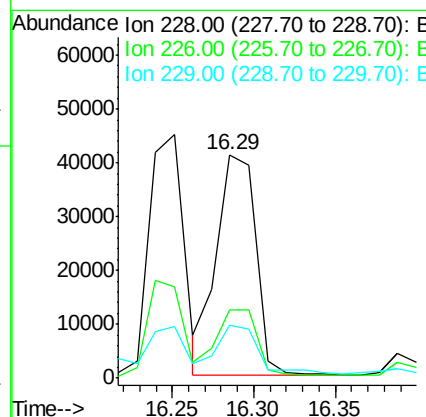
RT: 16.29 min Scan# 1321

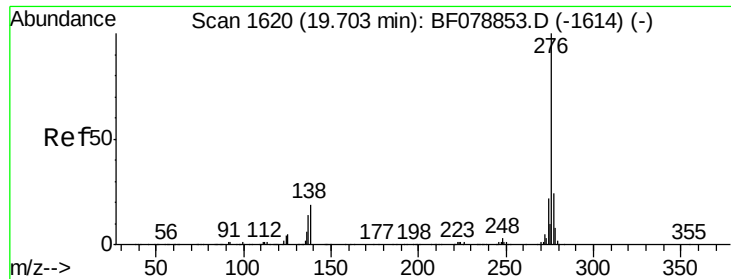
Delta R.T. -0.02 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Tgt Ion:	228	Resp:	67946
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	23.7	16.0	24.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.68 ng/mL

RT: 19.58 min Scan# 1609

Delta R.T. -0.08 min

Lab File: BF079007.D

Acq: 7 May 2015 20:35

Instrument :

BNA_F

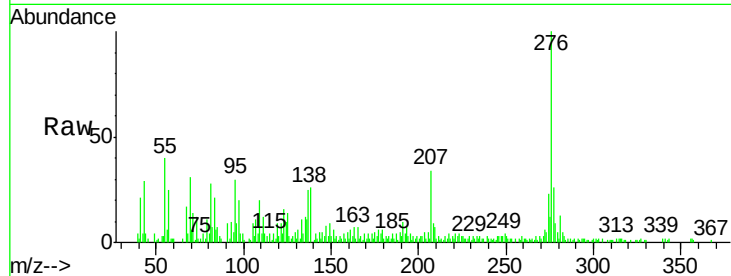
ClientSampleId :

2

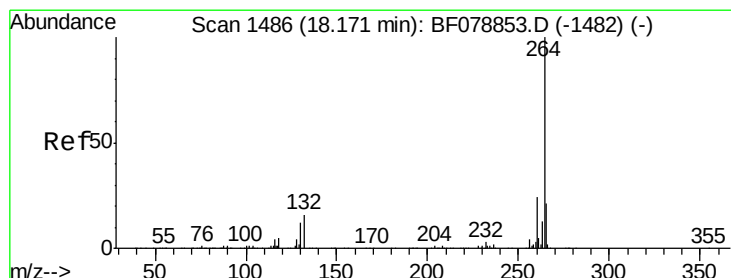
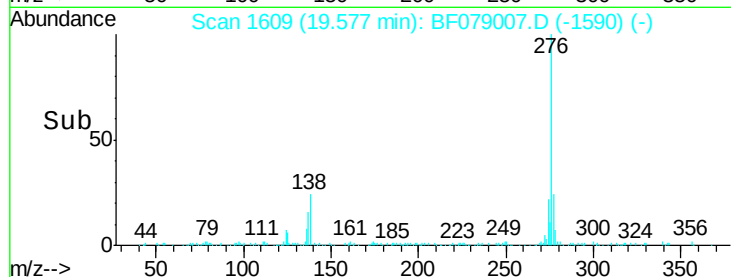
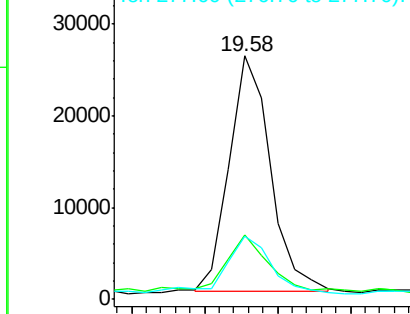
Tot Ion:	276	Resp:	50611
Ion Ratio		Lower	Upper
276	100		
138	0.0	0.0	0.0
277	2.2	0.0	0.0

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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

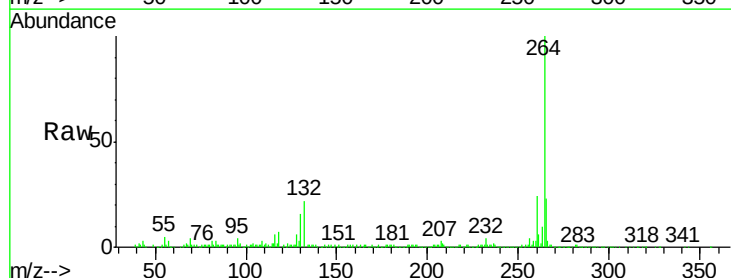
RT: 18.07 min Scan# 1477

Delta R.T. -0.07 min

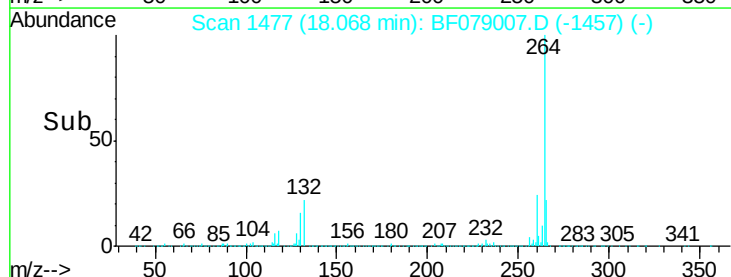
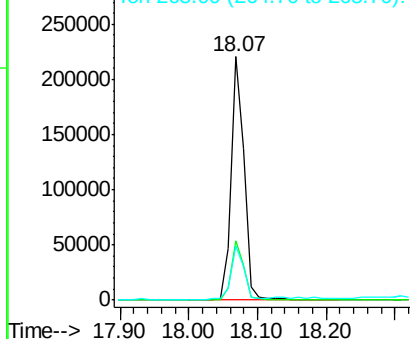
Lab File: BF079007.D

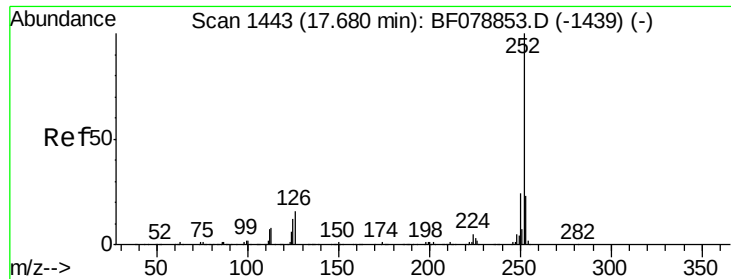
Acq: 7 May 2015 20:35

Tgt Ion:	264	Resp:	296243
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.5	18.3	27.5



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





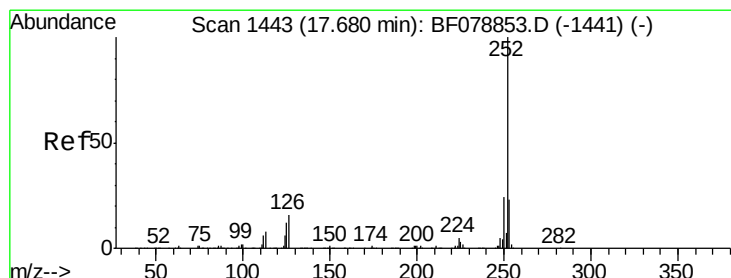
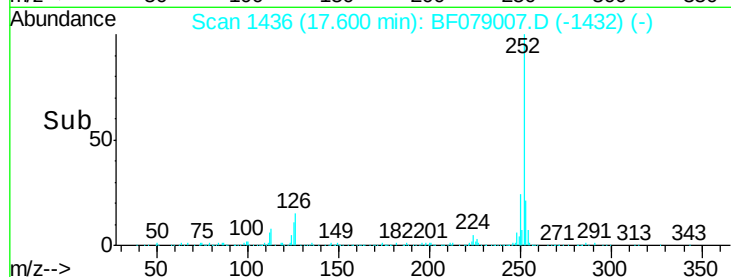
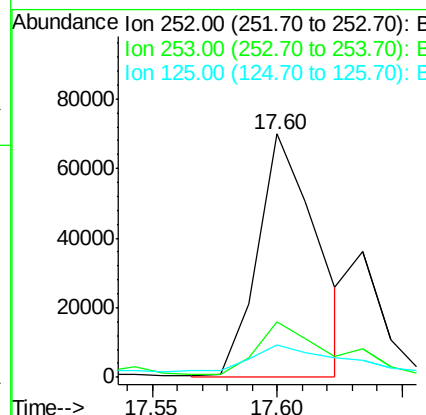
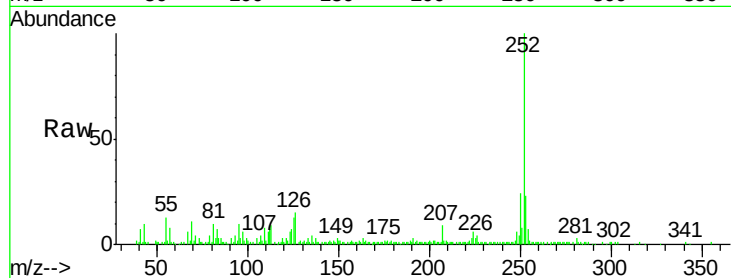
#87
Benzo(b)fluoranthene
Concen: 7.11 ng m
RT: 17.60 min Scan# 1436
Delta R.T. -0.06 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	115365		
253	22.6		17.7	26.5
125	13.3		9.5	14.3

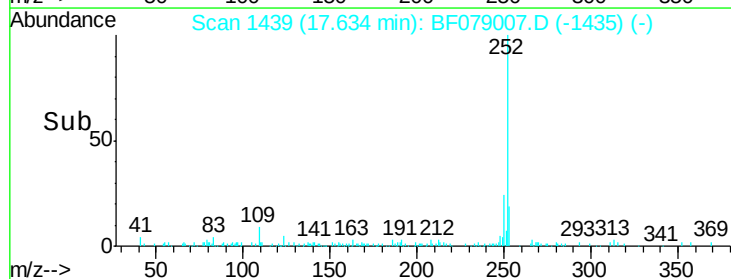
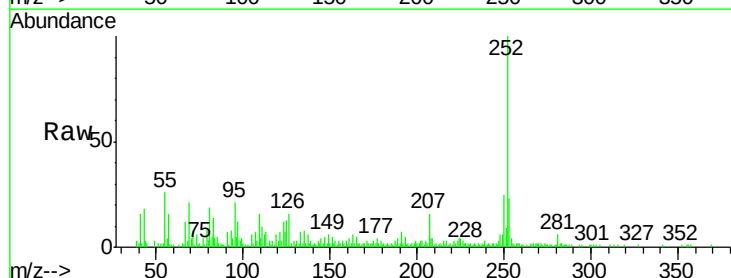
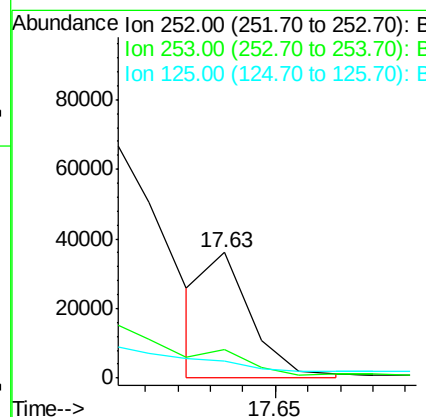
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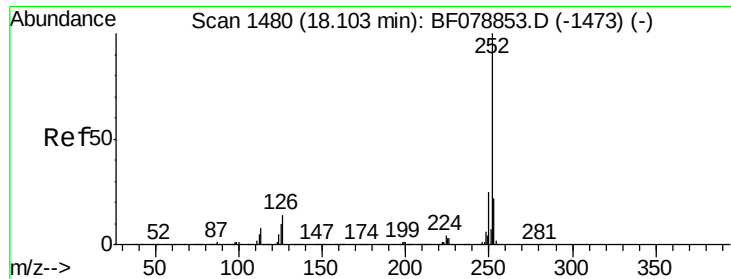
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#88
Benzo(k)fluoranthene
Concen: 2.19 ng m
RT: 17.63 min Scan# 1439
Delta R.T. -0.06 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	34427		
253	23.3		18.1	27.1
125	13.3		10.0	15.0





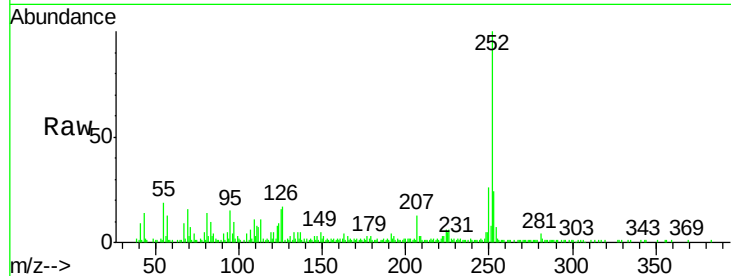
#89
Benzo(a)pyrene
Concen: 4.88 ng
RT: 18.00 min Scan# 1471
Delta R.T. -0.07 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	15.8	7.0	10.6

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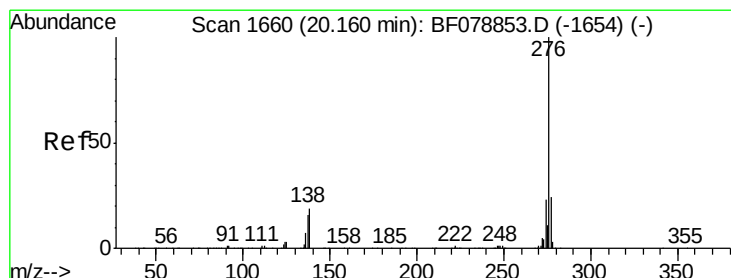
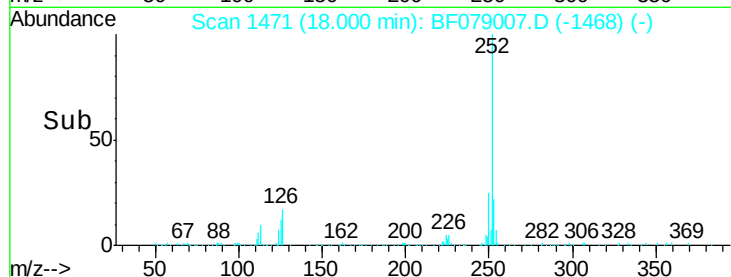
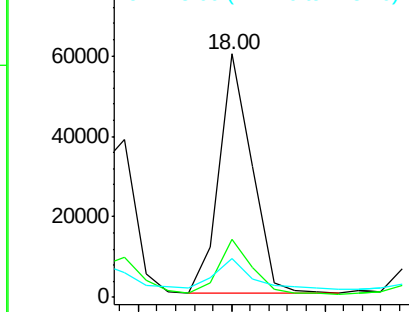


Abundance

Ion 252.00 (251.70 to 252.70): E

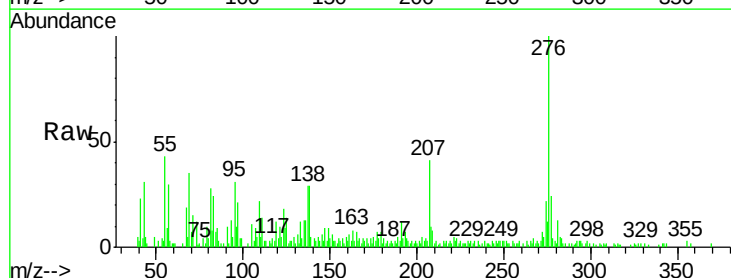
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.10 ng
RT: 20.02 min Scan# 1648
Delta R.T. -0.08 min
Lab File: BF079007.D
Acq: 7 May 2015 20:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	29.0	17.4	26.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

