

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079462.D
 Acq On : 23 May 2015 7:54
 Operator : TP/IZ
 Sample : G2289-15 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Manual Integrations
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Quant Time: May 26 12:52:20 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	72544	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	297892	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	138098	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	259751	20.00	ng	0.00
75) Chrysene-d12	15.92	240	260652	20.00	ng	0.01
86) Perylene-d12	17.68	264	264129	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	89524m	21.24	ng	0.02
7) Phenol-d6	6.65	99	123125m	22.10	ng	0.02
23) Nitrobenzene-d5	7.75	82	20440	3.94	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	8450	5.66	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	144635	14.59	ng	0.00
78) Terphenyl-d14	14.63	244	159679	14.67	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.66	178	78715	5.42	ng	98
74) Fluoranthene	14.14	202	146078	9.65	ng	94
77) Pyrene	14.41	202	139083	9.26	ng	97
80) Benzo(a)anthracene	15.91	228	71318m	5.00	ng	
82) Chrysene	15.95	228	63291m	4.61	ng	
85) Indeno(1,2,3-cd)pyrene	19.03	276	41569	2.38	ng	98
87) Benzo(b)fluoranthene	17.22	252	86862m	6.01	ng	
88) Benzo(k)fluoranthene	17.26	252	28421m	2.03	ng	
89) Benzo(a)pyrene	17.61	252	62064	4.66	ng	# 92
91) Benzo(g,h,i)perylene	19.43	276	45263	3.19	ng	# 92

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

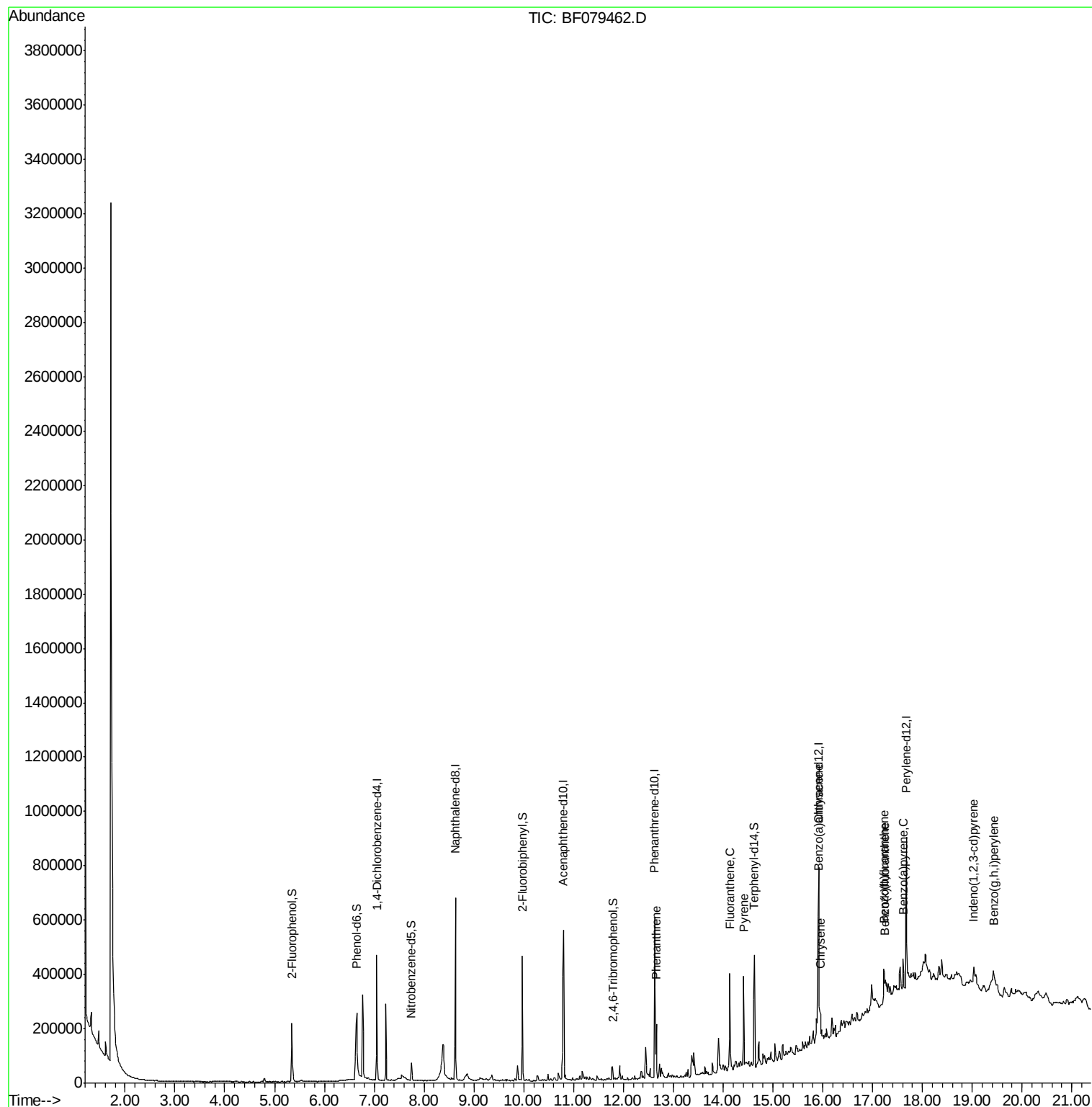
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079462.D
Acq On : 23 May 2015 7:54
Operator : TP/IZ
Sample : G2289-15 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

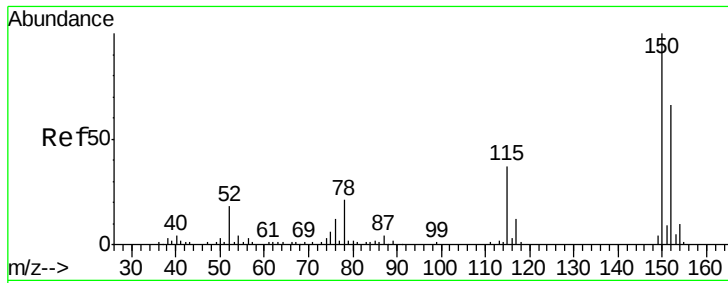
Instrument :
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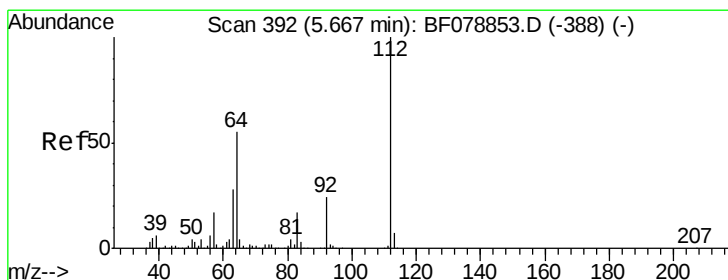
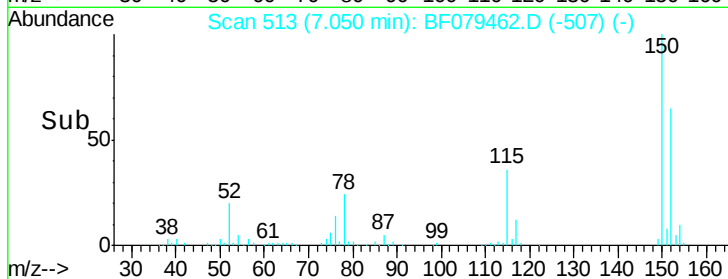
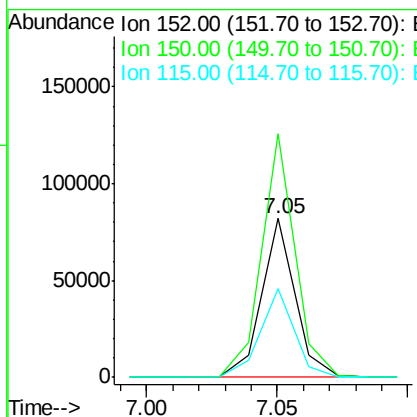
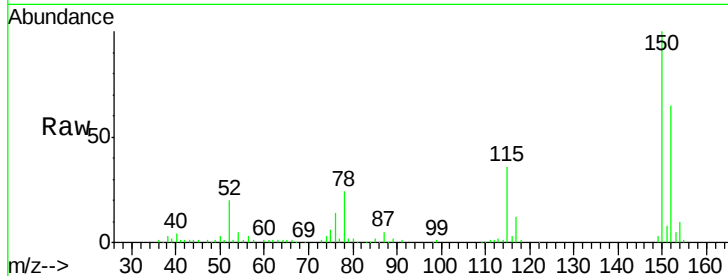
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tot Ion:	152	Resp:	72544
Ion Ratio	Lower	Upper	
152	100		
150	153.3	123.8	185.8
115	55.9	49.4	74.0

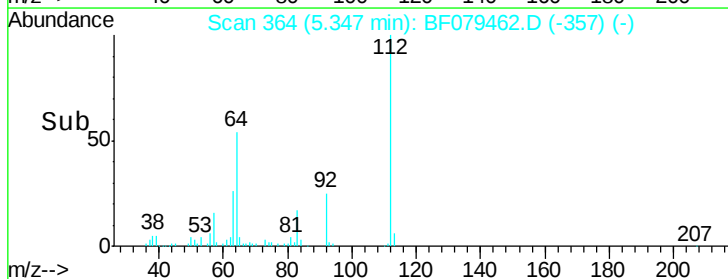
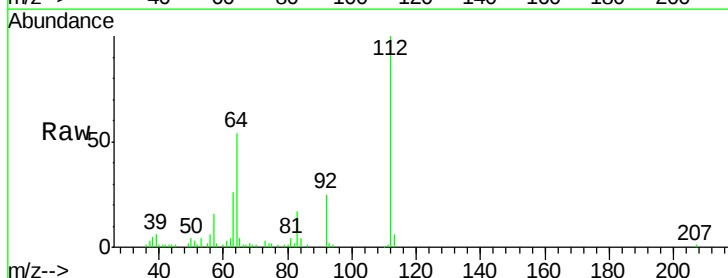
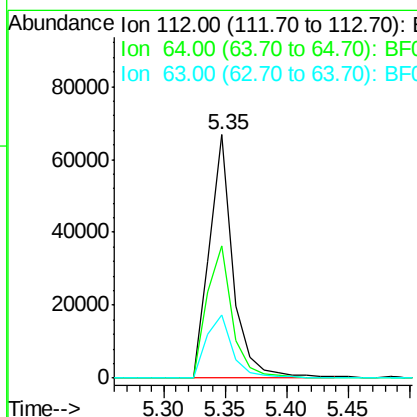
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#5
 2-Fluorophenol
 Concen: 21.24 ng m
 RT: 5.35 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion:	112	Resp:	89524
Ion Ratio	Lower	Upper	
112	100		
64	54.1	44.2	66.2
63	26.0	22.7	34.1





#7

Phenol-d6

Concen: 22.10 ng/mL

RT: 6.65 min Scan# 478

Delta R.T. 0.02 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

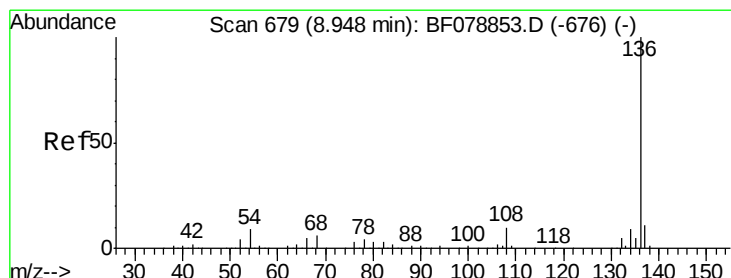
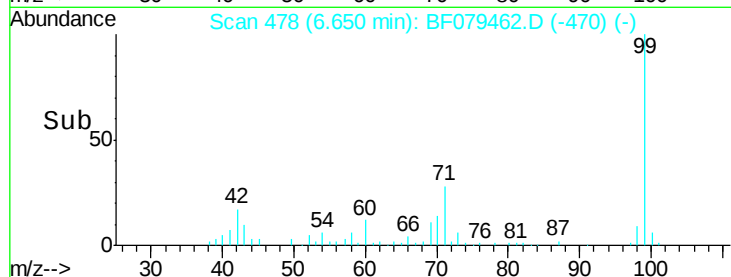
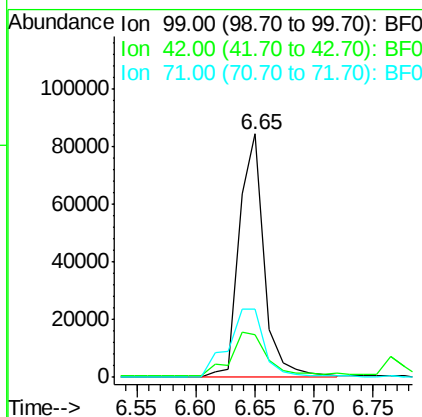
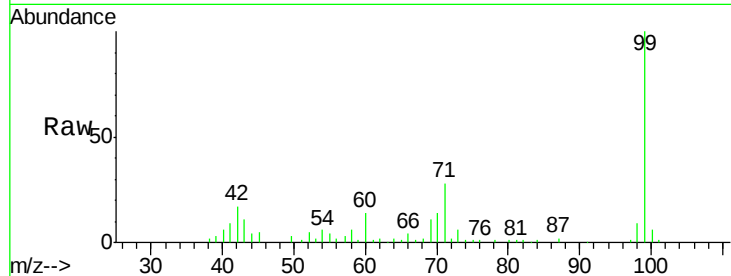
ClientSampleID :

SB-32S

Tot Ion:	99	Resp:	123125
Ion Ratio	Lower	Upper	
99	100		
42	17.4	17.1	25.7
71	28.3	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

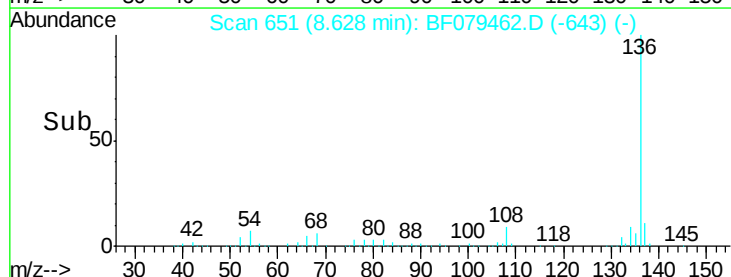
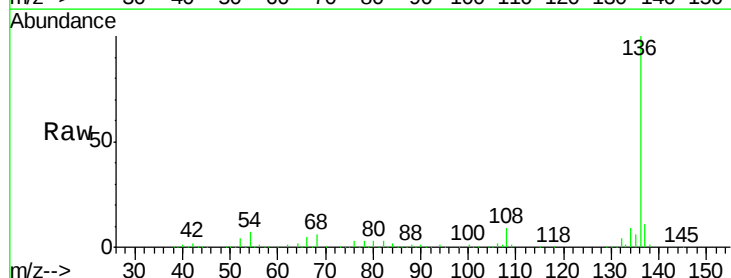
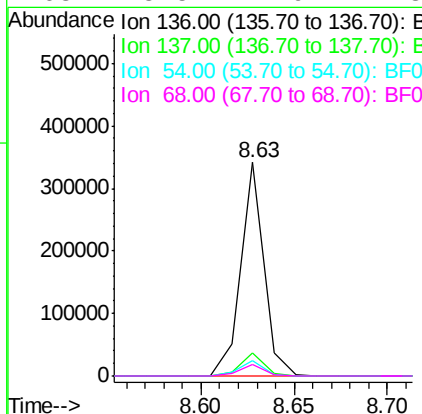
RT: 8.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF079462.D

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Tgt Ion:	136	Resp:	297892
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.0	6.9	10.3
68	5.5	4.9	7.3





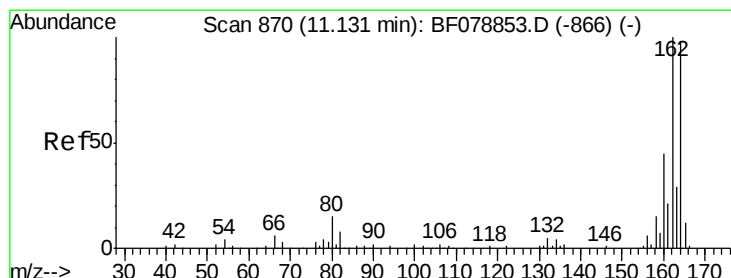
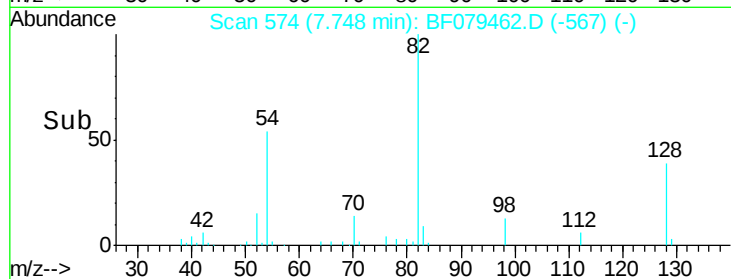
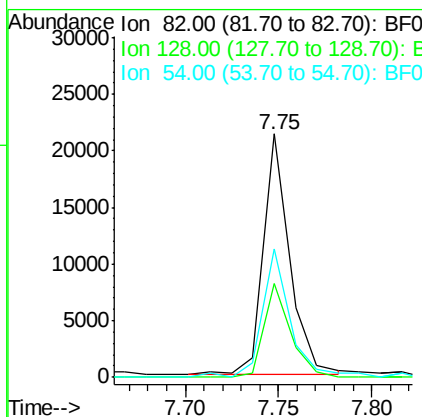
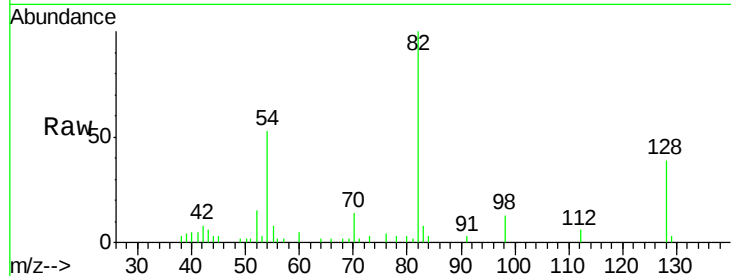
#23
 Nitrobenzene-d5
 Concen: 3.94 ng
 RT: 7.75 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Instrument :
 BNA_F
 ClientSampleID :
 SB-32S

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.6	29.7	44.5
54	52.7	46.2	69.4

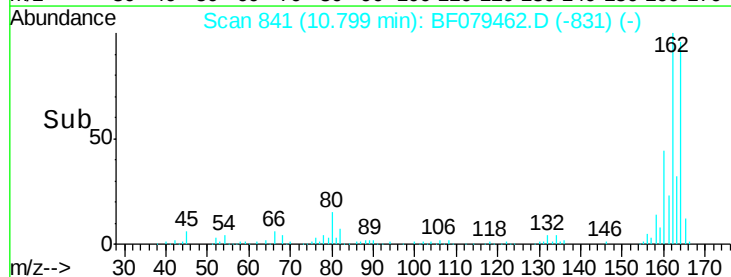
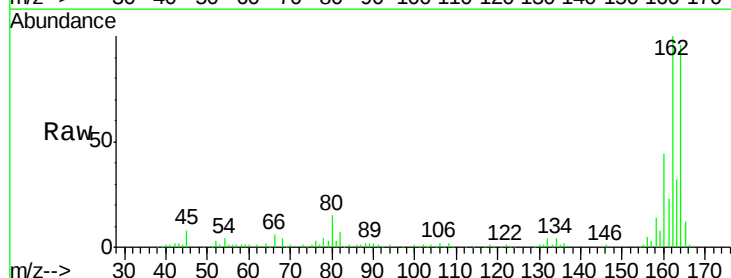
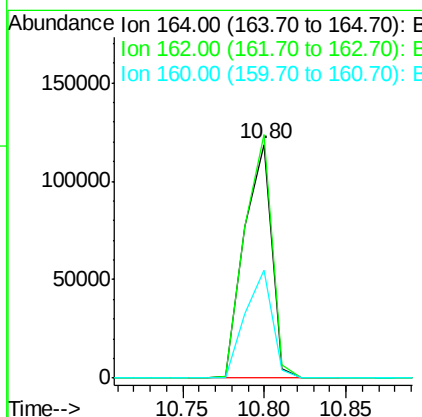
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.80 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.4	122.0
160	46.2	36.6	54.8





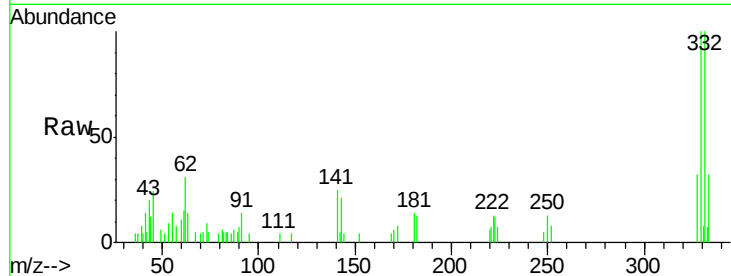
#41
 2,4,6-Tribromophenol
 Concen: 5.66 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Instrument :
 BNA_F
 ClientSampled :
 SB-32S

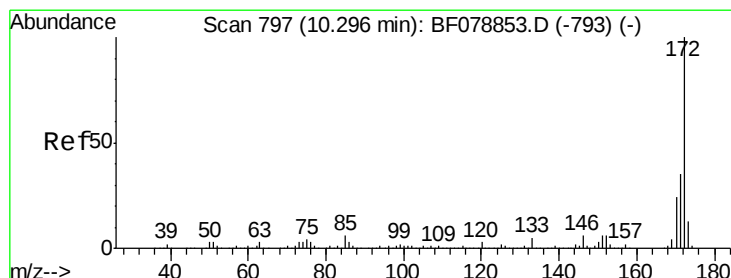
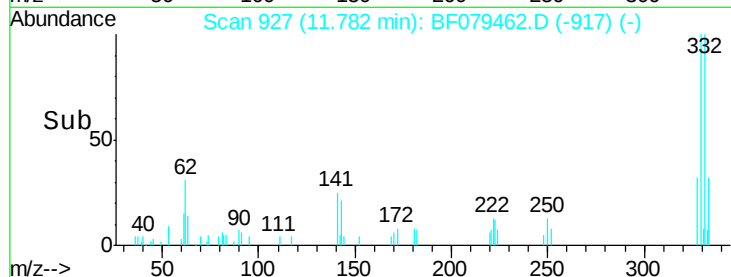
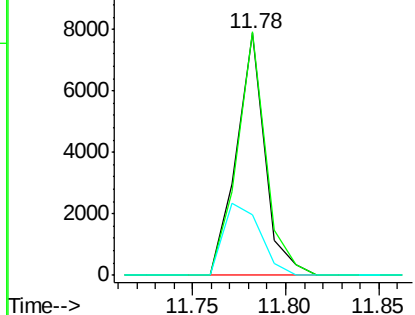
Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	76.9	115.3
141	38.5	27.8	41.8

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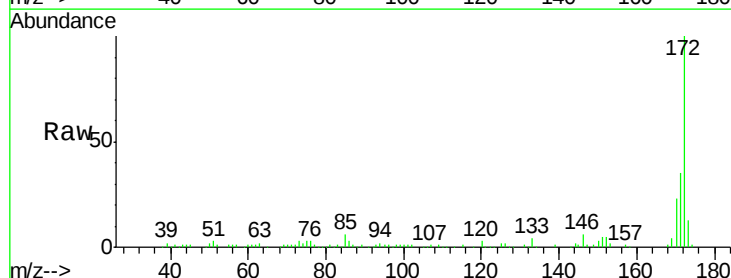


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

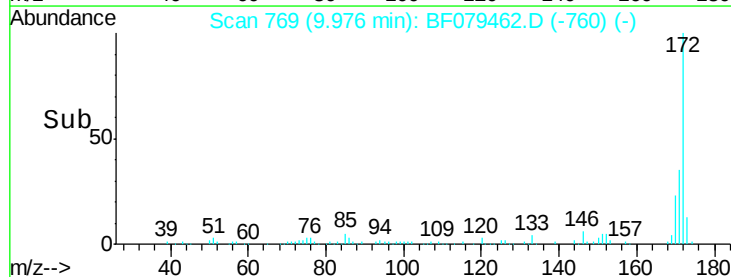
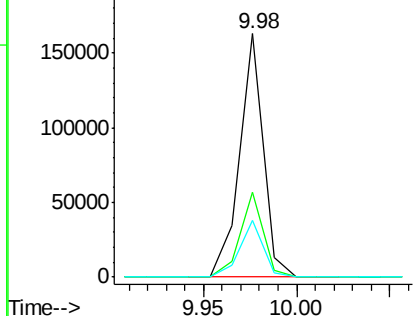


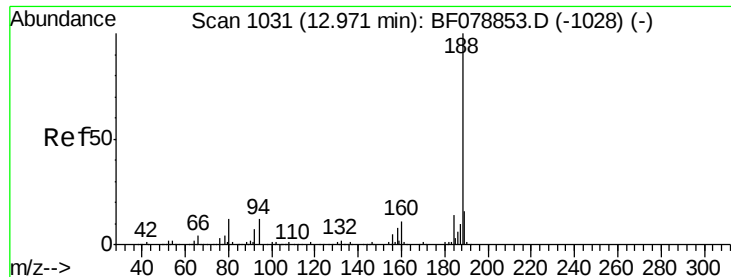
#44
 2-Fluorobiphenyl
 Concen: 14.59 ng
 RT: 9.98 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	23.1	19.4	29.2



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





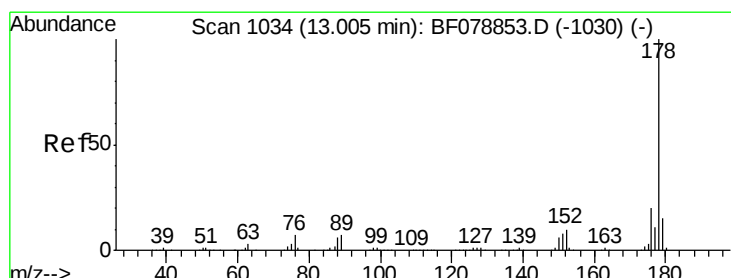
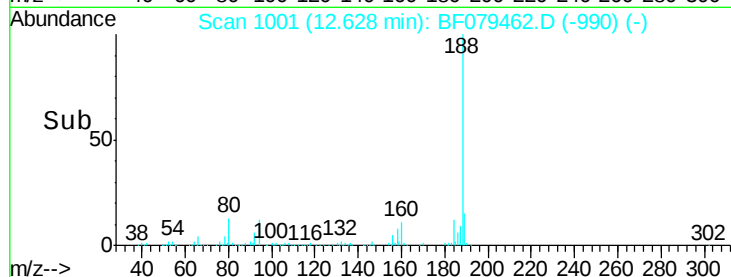
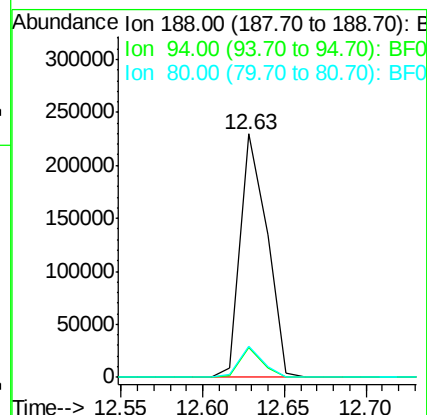
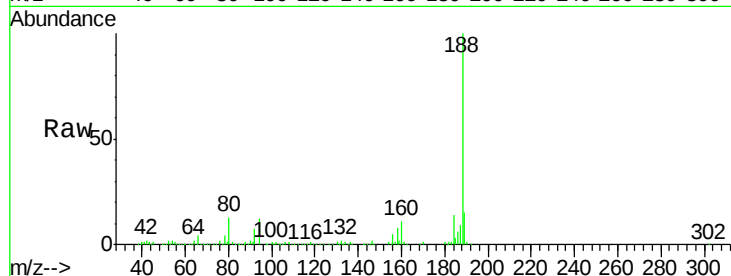
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Instrument :
BNA_F
ClientSampleId :
SB-32S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		259751		
94	12.2	9.4	14.0		
80	12.9	9.8	14.6		

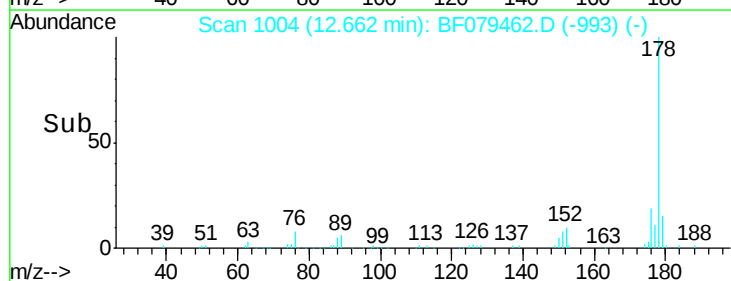
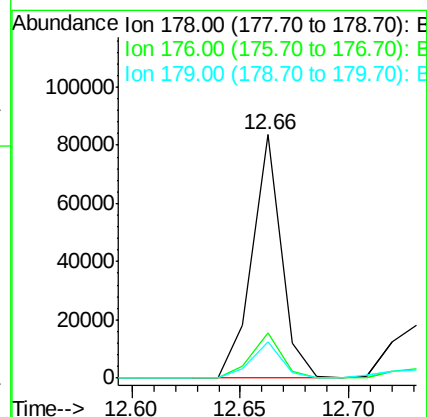
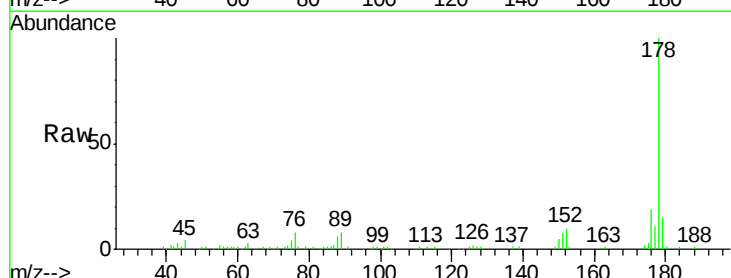
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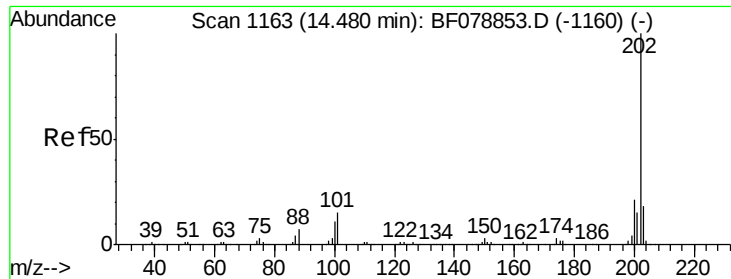
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#70
Phenanthrene
Concen: 5.42 ng
RT: 12.66 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		78715		
176	18.8	15.9	23.9		
179	14.7	12.2	18.4		





#74

Fluoranthene

Concen: 9.65 ng

RT: 14.14 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

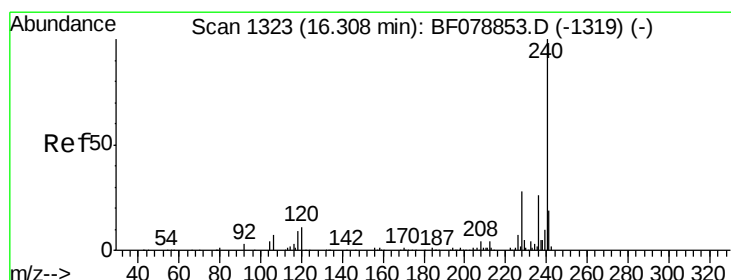
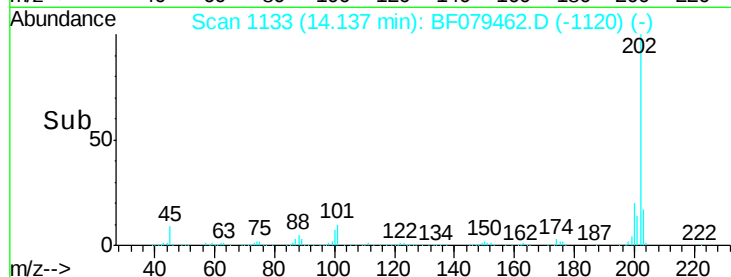
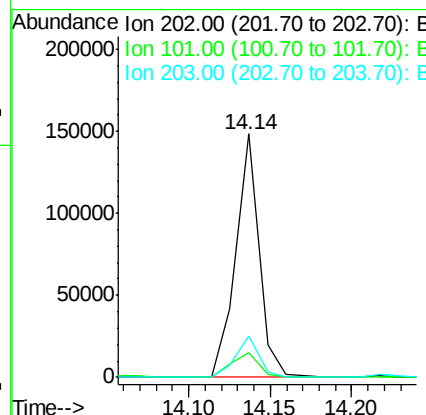
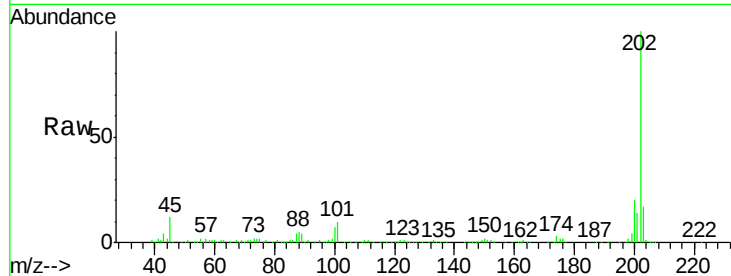
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.4	0.0	34.7		
203	17.1	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

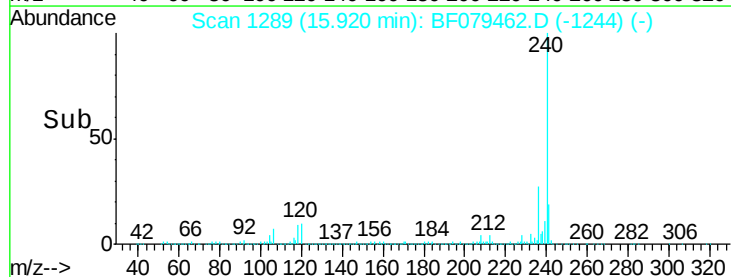
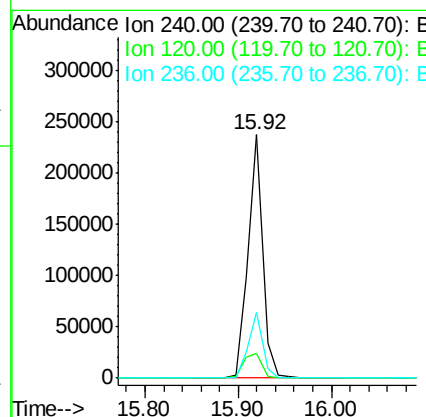
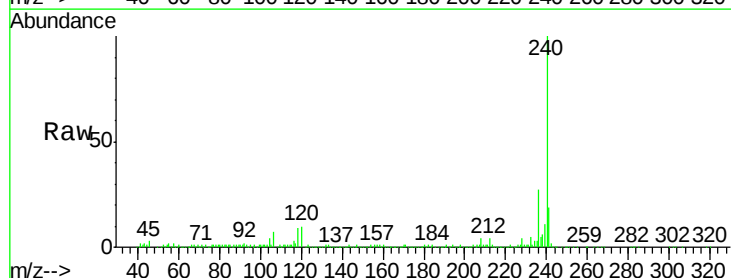
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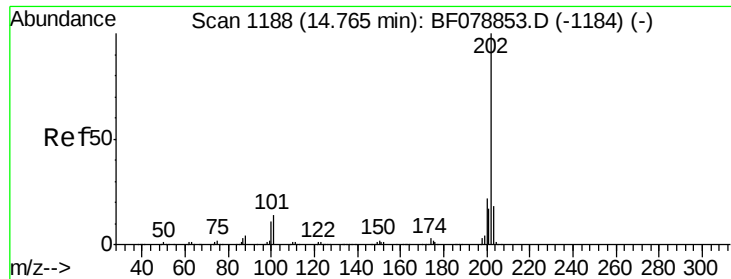
Delta R.T. 0.01 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.0	8.6	12.8		
236	26.8	21.0	31.6		





#77

Pvrene

Concen: 9.26 ng

RT: 14.41 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

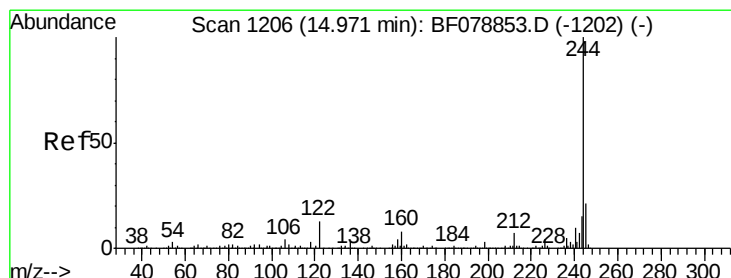
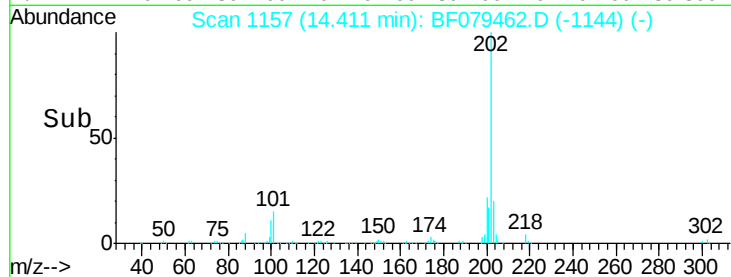
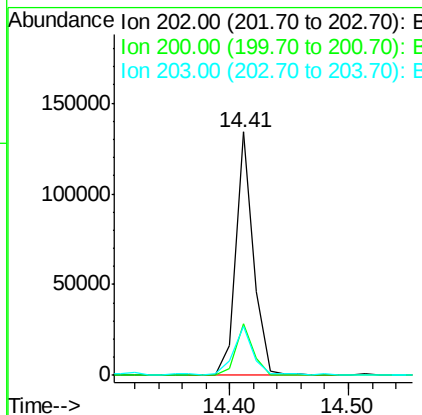
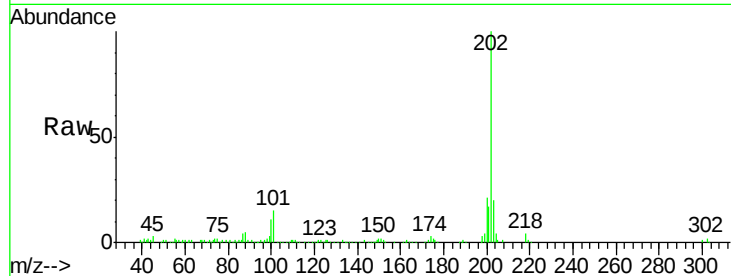
ClientSampleId :

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Tot Ion:	202	Resp:	139083
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.5	26.3
203	20.4	14.7	22.1

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#78

Terphenyl-d14

Concen: 14.67 ng

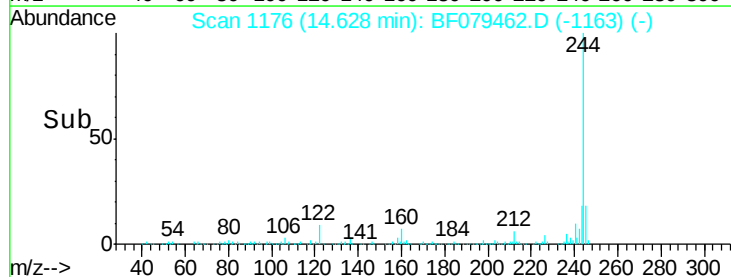
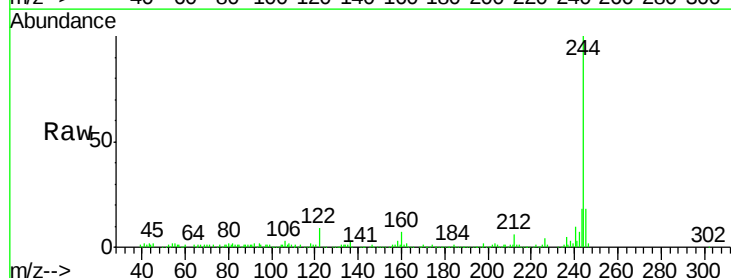
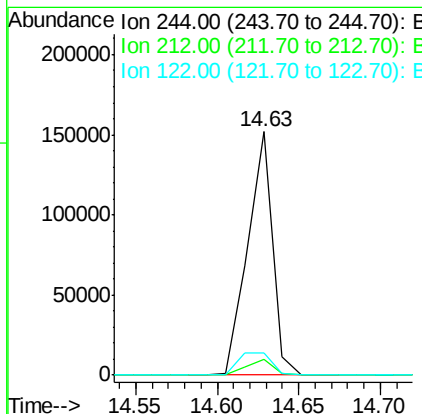
RT: 14.63 min Scan# 1176

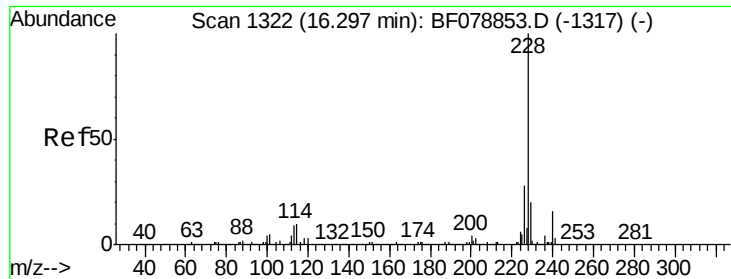
Delta R.T. 0.00 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Tgt Ion:	244	Resp:	159679
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.6	8.4
122	9.0	10.5	15.7#





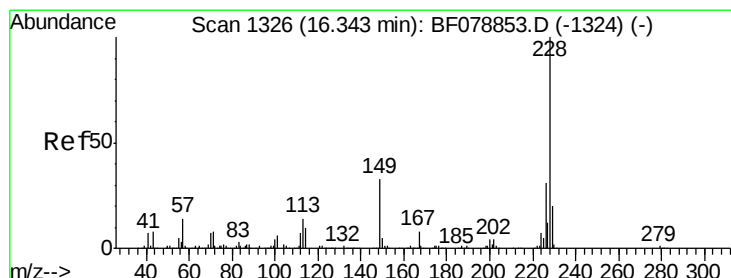
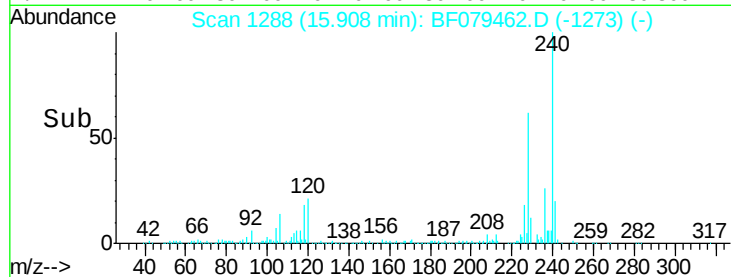
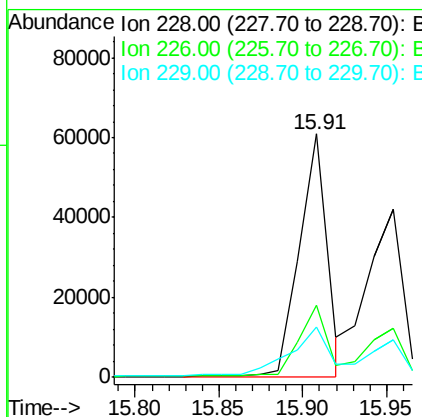
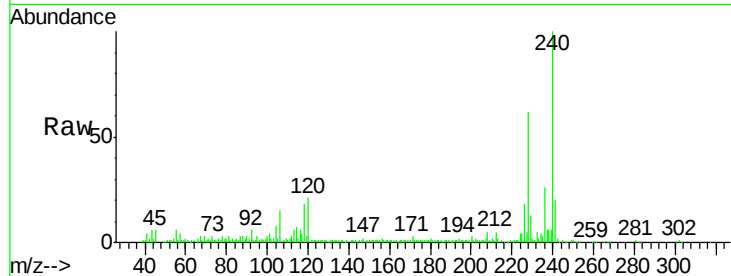
#80
Benzo(a)anthracene
Concen: 5.00 ng m
RT: 15.91 min Scan# 1288
Delta R.T. 0.01 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Instrument :
BNA_F
ClientSampled :
SB-32S

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.3	33.5
229	20.8	16.1	24.1

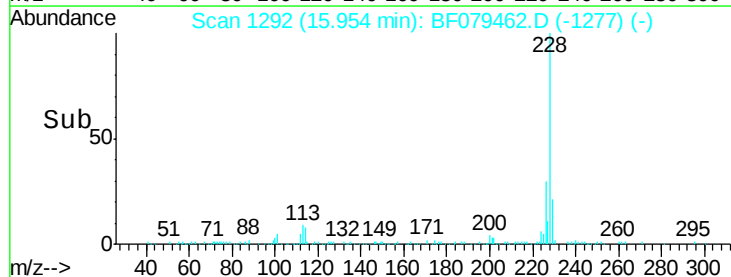
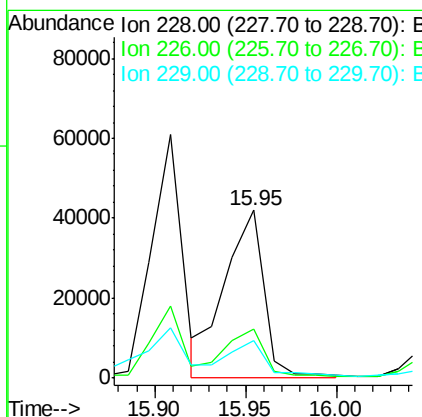
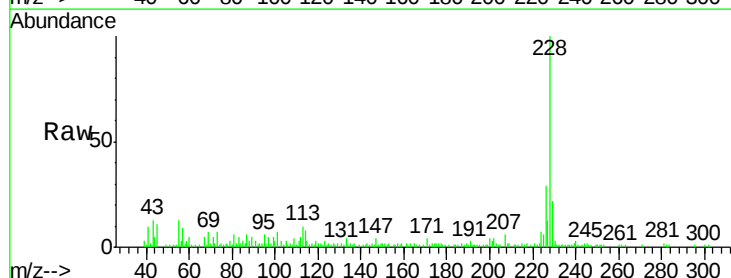
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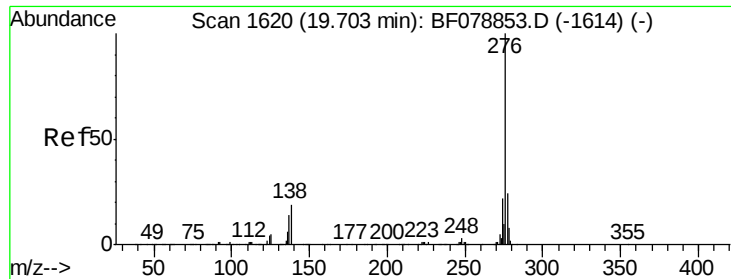
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#82
Chrysene
Concen: 4.61 ng m
RT: 15.95 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.8	37.2
229	22.2	16.1	24.1





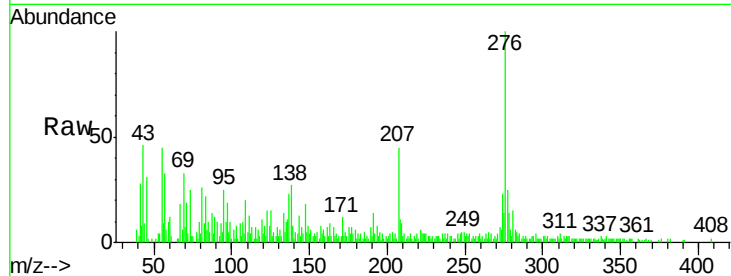
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.38 ng
 RT: 19.03 min Scan# 1561
 Delta R.T. 0.09 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	27.7	21.1	31.7		
277	24.0	19.9	29.9		

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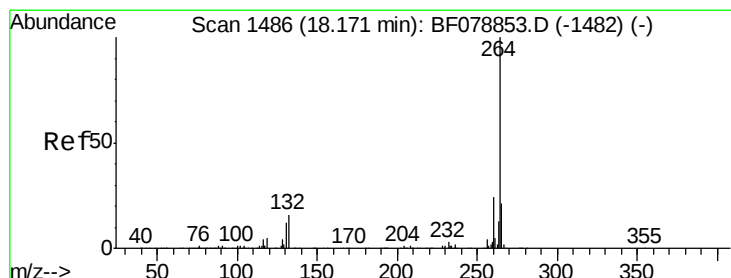
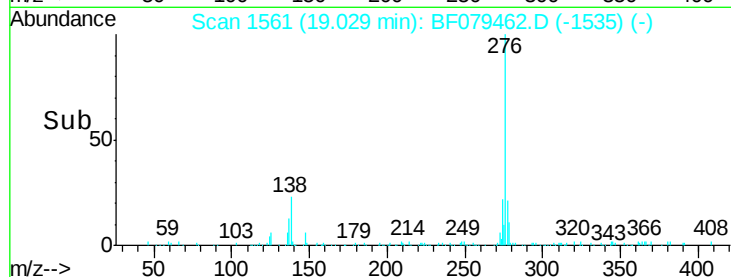
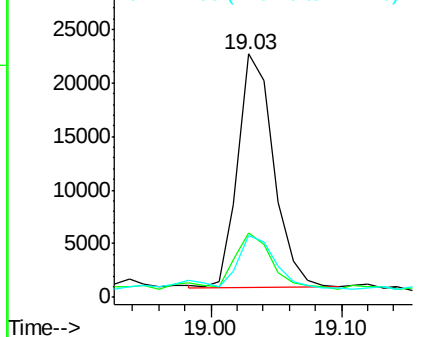


Abundance

Ion 276.00 (275.70 to 276.70): E

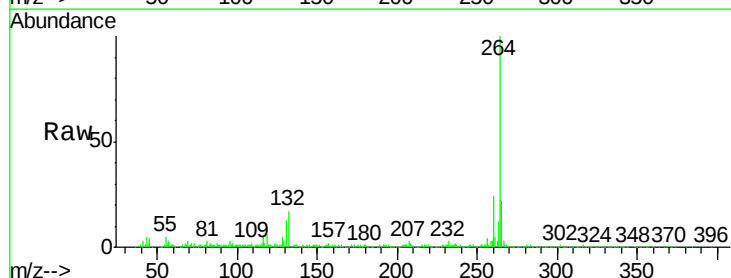
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.68 min Scan# 1443
 Delta R.T. 0.07 min
 Lab File: BF079462.D
 Acq: 23 May 2015 7:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.5	19.2	28.8		
265	22.3	17.2	25.8		

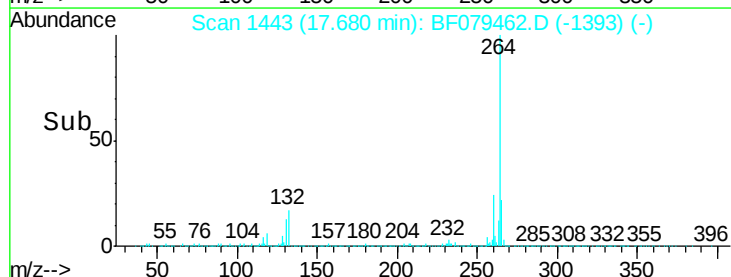
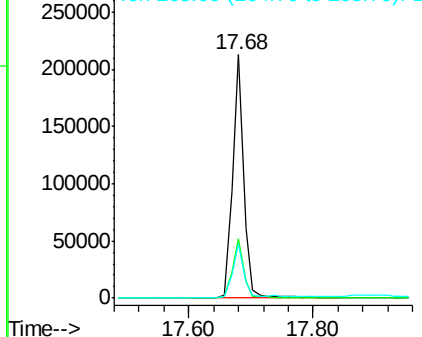


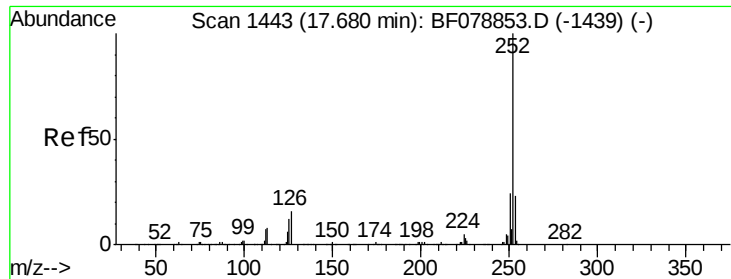
Abundance

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: 6.01 ng m

RT: 17.22 min Scan# 1403

Delta R.T. 0.05 min

Lab File: BF079462.D

Acq: 23 May 2015 7:54

Instrument :

BNA_F

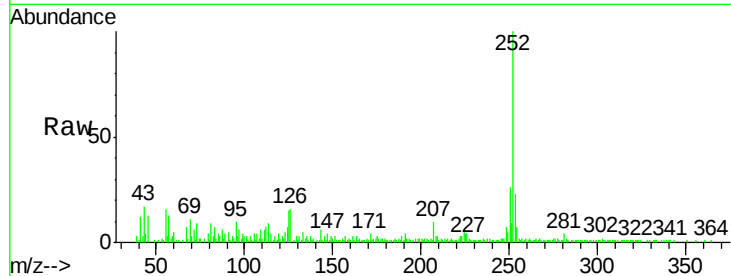
ClientSampleId :

SB-32S

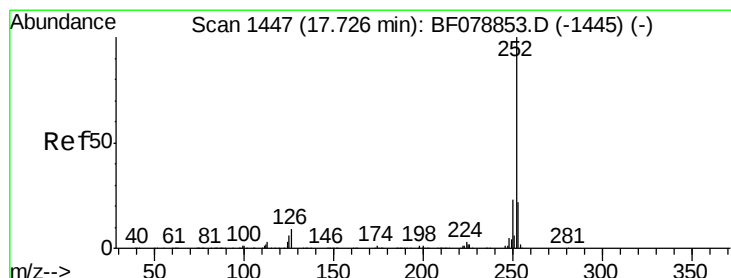
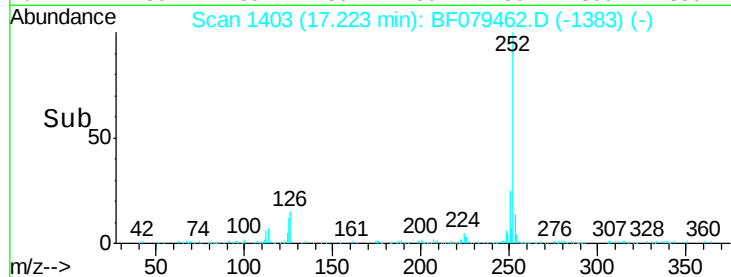
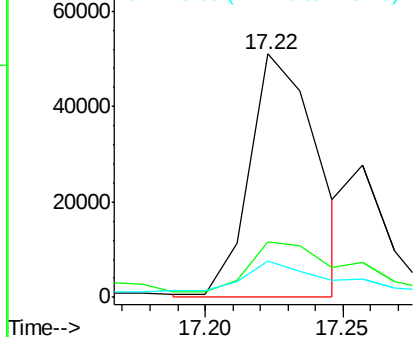
Tot Ion:	252	Resp:	86862
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	14.8	9.4	14.2#

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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: 2.03 ng m

RT: 17.26 min Scan# 1406

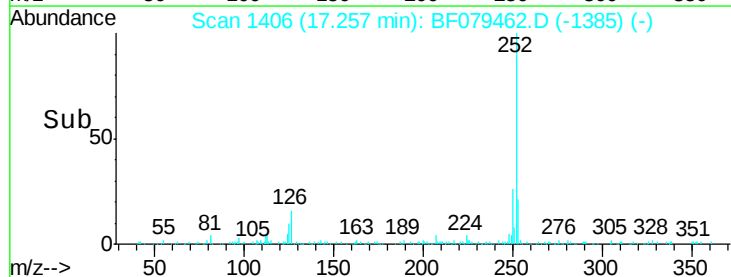
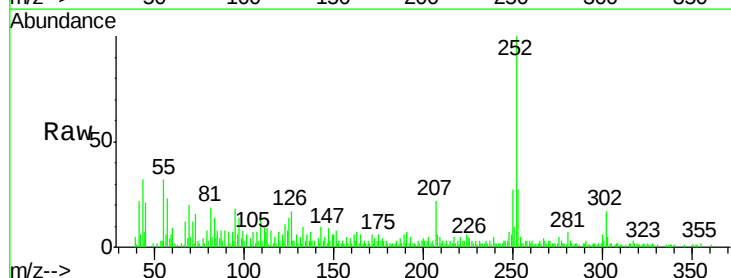
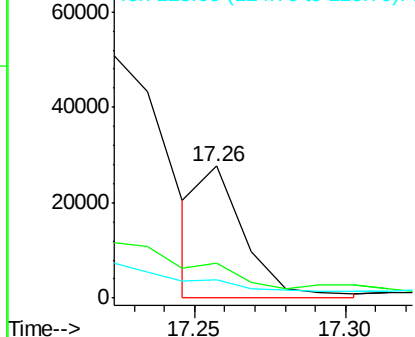
Delta R.T. 0.06 min

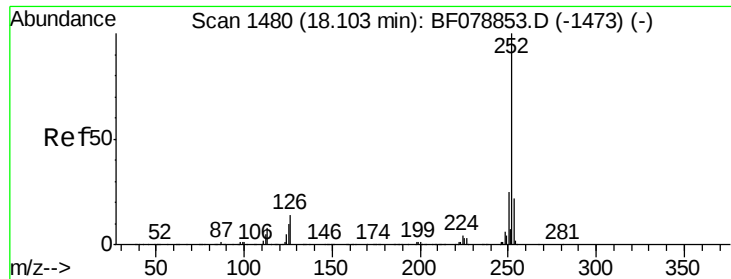
Lab File: BF079462.D

Acq: 23 May 2015 7:54

Tgt Ion:	252	Resp:	28421
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.4	26.0#
125	14.3	6.1	9.1#

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





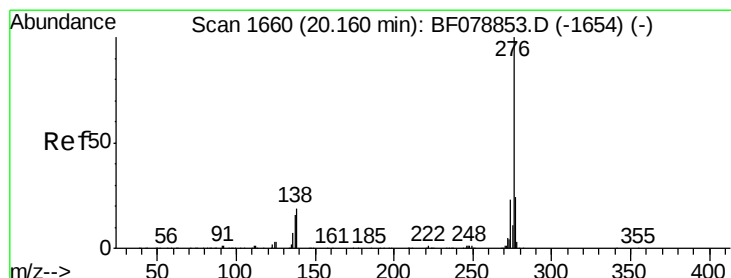
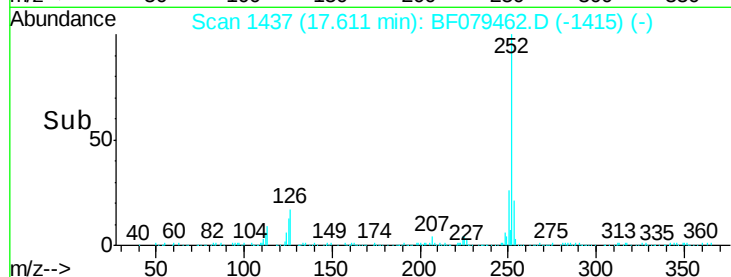
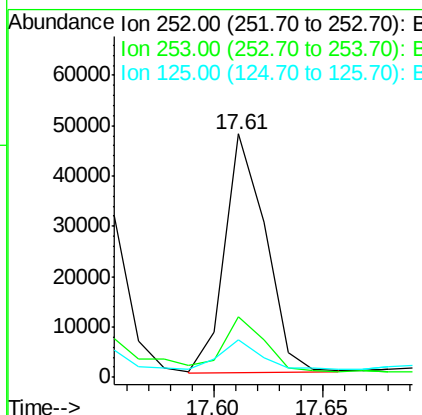
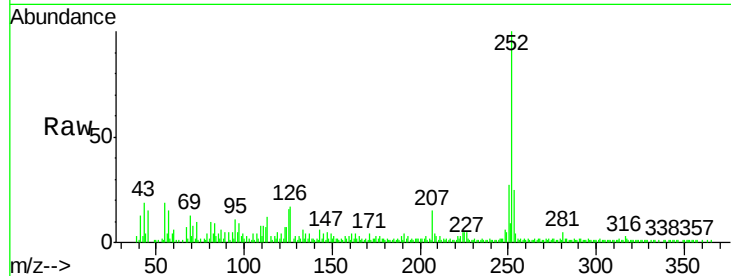
#89
Benzo(a)pyrene
Concen: 4.66 ng
RT: 17.61 min Scan# 1437
Delta R.T. 0.07 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Instrument :
BNA_F
ClientSampleId :
SB-32S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	15.5	8.2	12.2

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#91
Benzo(g,h,i)perylene
Concen: 3.19 ng
RT: 19.43 min Scan# 1596
Delta R.T. 0.10 min
Lab File: BF079462.D
Acq: 23 May 2015 7:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	24.9	15.2	22.8

