

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079504.D
 Acq On : 27 May 2015 5:43
 Operator : TP/IZ
 Sample : G2359-04 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27S

Manual Integrations
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Quant Time: May 27 07:08:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	68723	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	288387	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	148279	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	290023	20.00	ng	0.01
75) Chrysene-d12	15.89	240	311912	20.00	ng	0.01
86) Perylene-d12	17.55	264	335130	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	224341m	56.62	ng	0.00
7) Phenol-d6	6.62	99	294154m	58.25	ng	0.00
23) Nitrobenzene-d5	7.71	82	162639	32.60	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	91668	56.28	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	352266	33.89	ng	0.00
78) Terphenyl-d14	14.59	244	418914	31.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.63	128	95423	6.89	ng	98
37) 2-Methylnaphthalene	9.48	142	27307	2.84	ng	99
48) Acenaphthylene	10.59	152	33813	2.23	ng	99
49) Dimethylphthalate	10.46	163	22909	2.10	ng	98
51) Acenaphthene	10.80	154	75726	8.72	ng	98
54) Dibenzofuran	11.02	168	81831	6.39	ng	98
57) Fluorene	11.44	166	84696	8.03	ng	97
70) Phenanthrene	12.63	178	1057083	66.44	ng	99
71) Anthracene	12.70	178	276669	17.13	ng	100
72) Carbazole	12.91	167	95865	6.16	ng	98
74) Fluoranthene	14.11	202	1325093	77.66	ng	99
77) Pyrene	14.39	202	1263990	65.41	ng	98
80) Benzo(a)anthracene	15.87	228	703787	39.22	ng	98
82) Chrysene	15.92	228	511214	29.97	ng	96
85) Indeno(1,2,3-cd)pyrene	18.87	276	346538	15.80	ng	95
87) Benzo(b)fluoranthene	17.13	252	813901m	42.58	ng	
88) Benzo(k)fluoranthene	17.17	252	214156m	12.53	ng	
89) Benzo(a)pyrene	17.50	252	579167	34.09	ng	# 97
90) Dibenzo(a,h)anthracene	18.89	278	87567m	3.59	ng	
91) Benzo(a,h,i)perylene	19.26	276	349909	19.23	ng	100

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

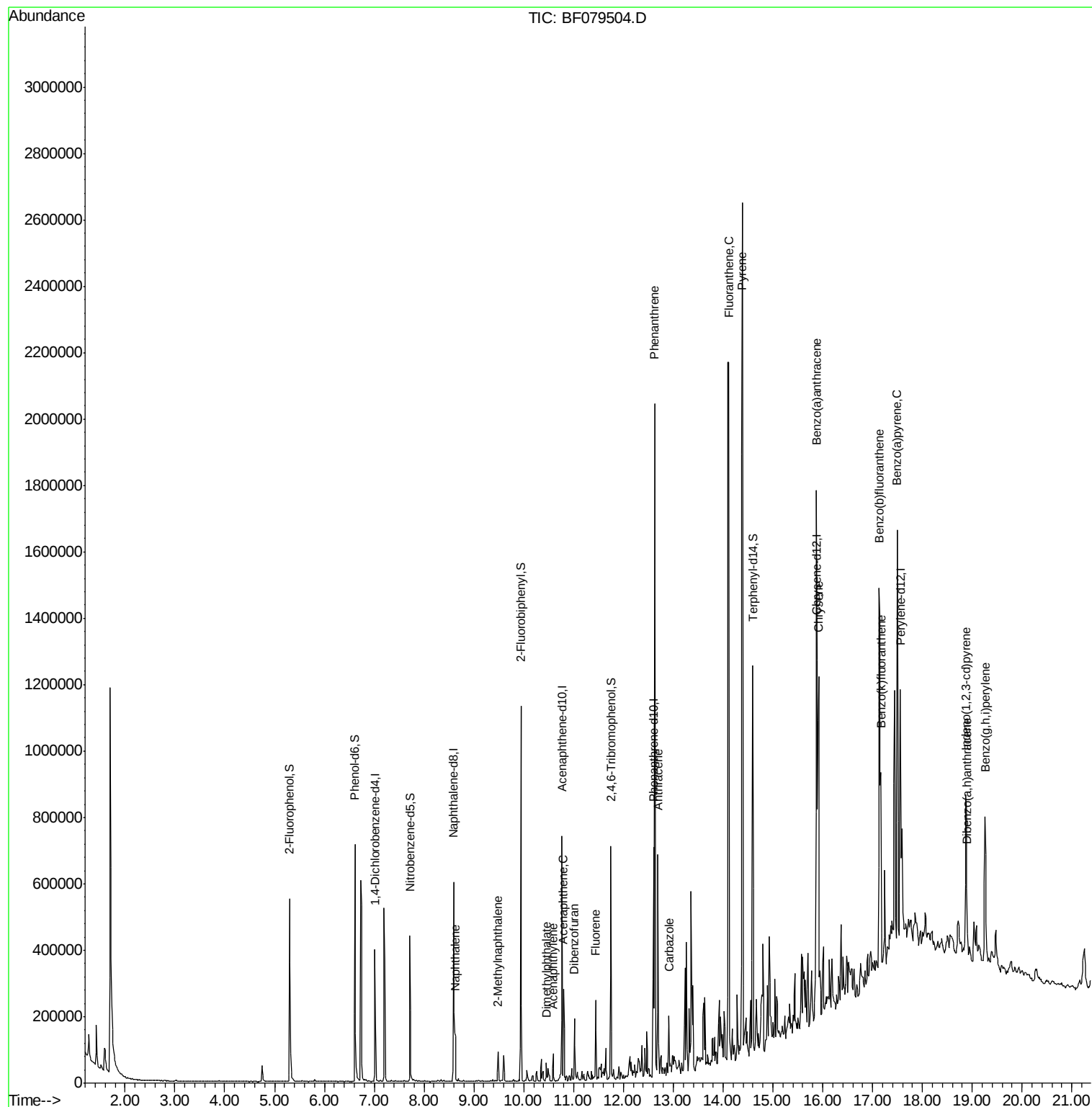
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079504.D
Acq On : 27 May 2015 5:43
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Sample : G2359-04 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

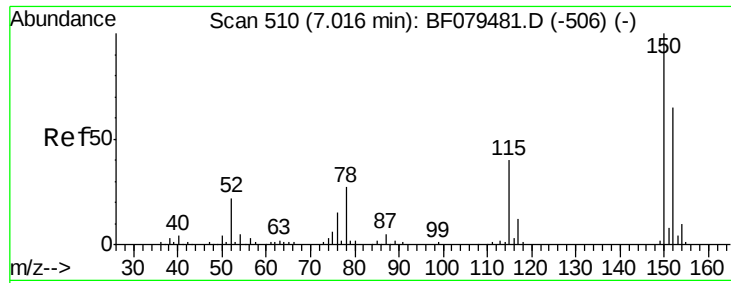
Instrument :
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ClientSampleId :
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Quant Time: May 27 07:08:36 2015
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#1

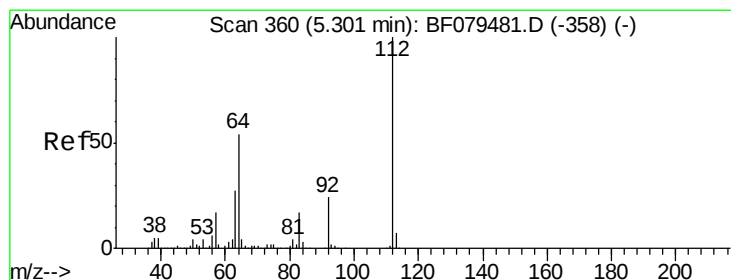
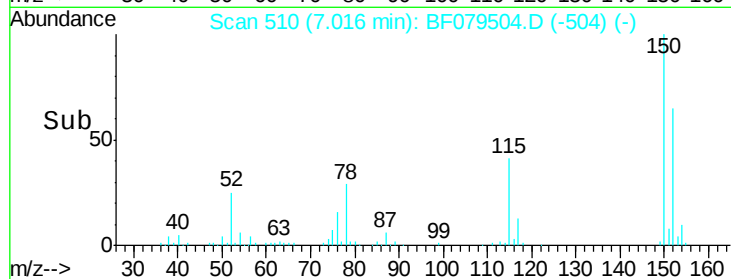
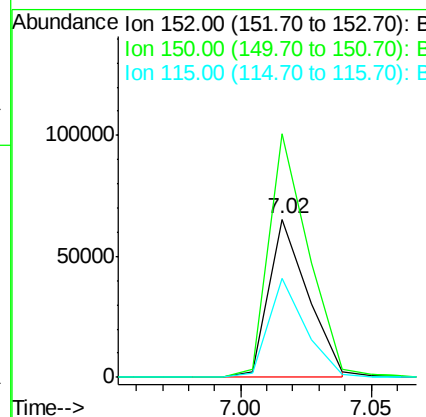
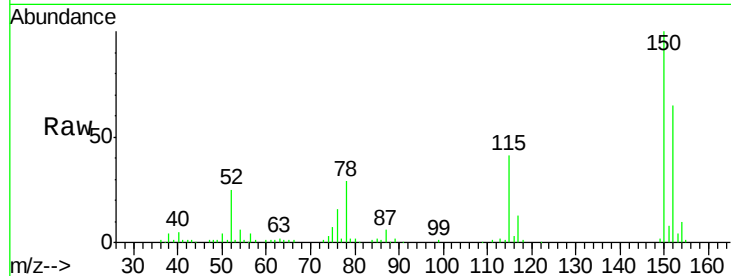
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Instrument :
BNA_F
ClientSampleId :
SB-27S

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.0	186.0
115	62.3	49.6	74.4

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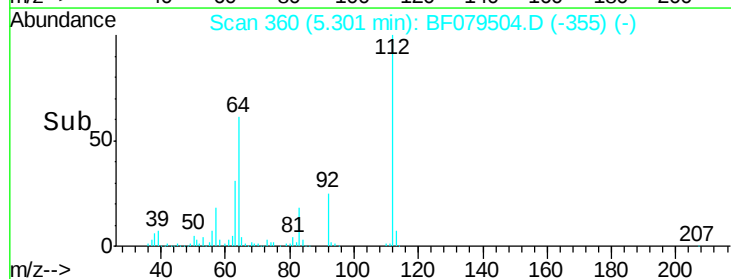
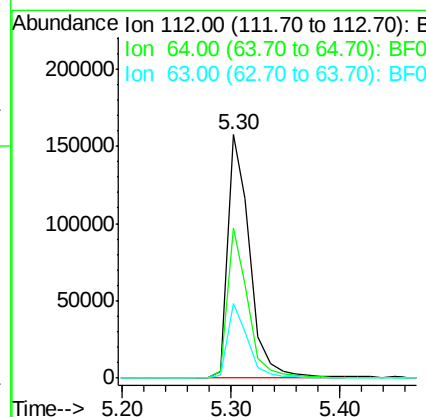
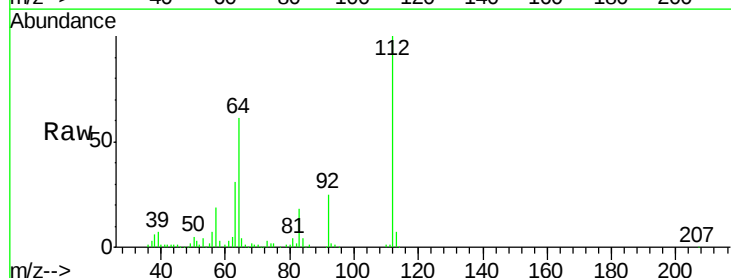
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#5

2-Fluorophenol
Concen: 56.62 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	43.5	65.3
63	30.6	21.8	32.8





#7

Phenol-d6

Concen: 58.25 ng/mL

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

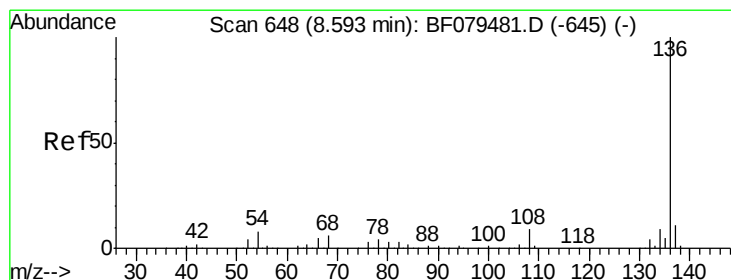
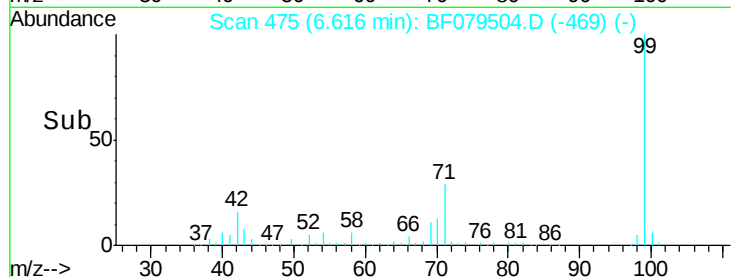
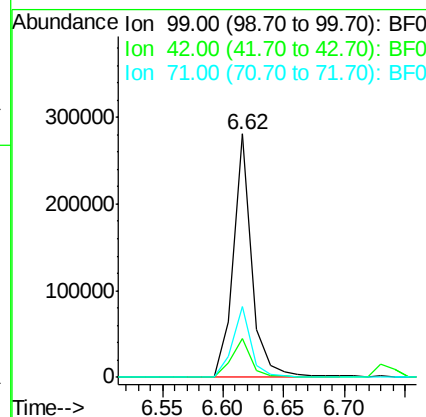
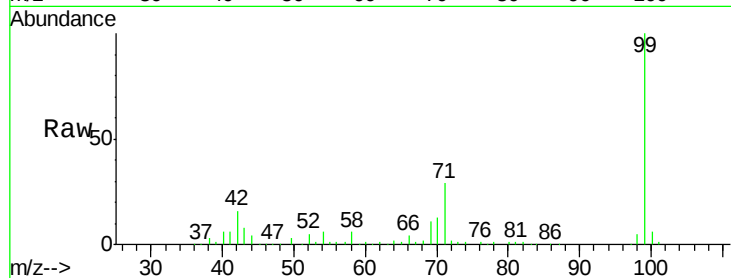
ClientSampleId :

SB-27S

Tot Ion:	99	Resp:	294154
Ion Ratio	Lower	Upper	
99	100		
42	16.0	11.9	17.9
71	28.9	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

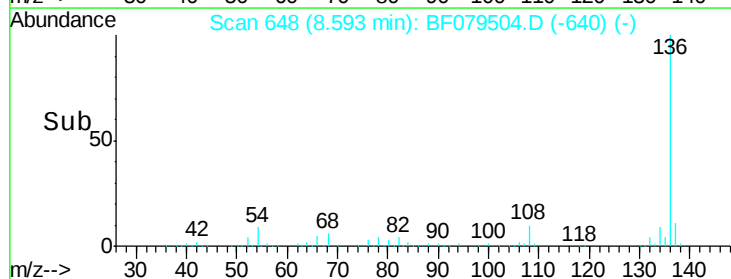
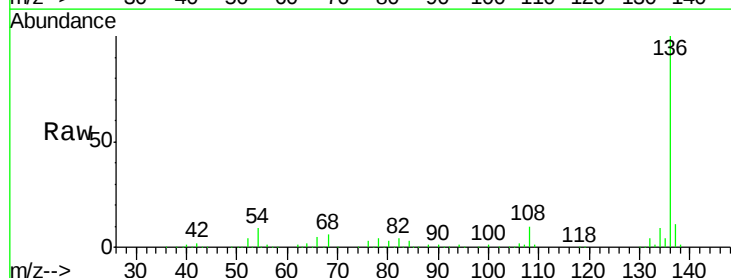
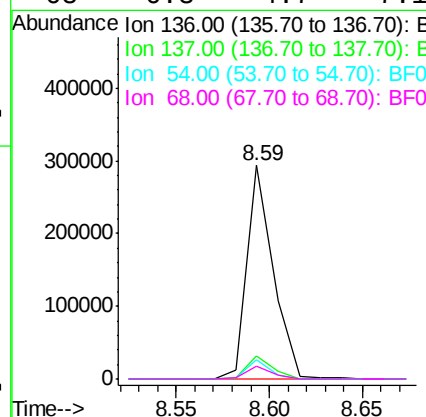
RT: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Tgt Ion:	136	Resp:	288387
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	9.0	6.6	9.8
68	6.3	4.7	7.1





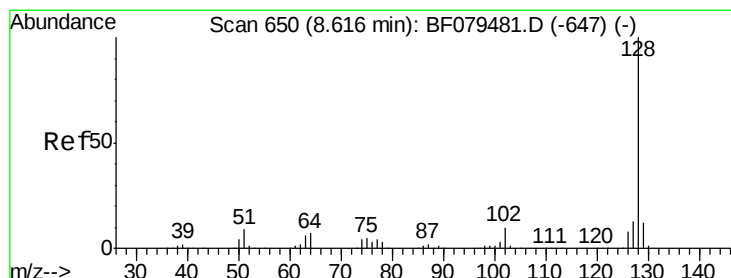
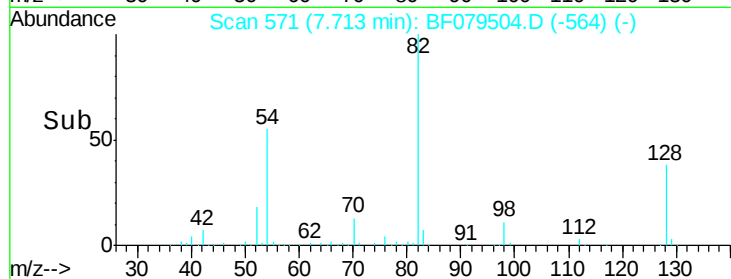
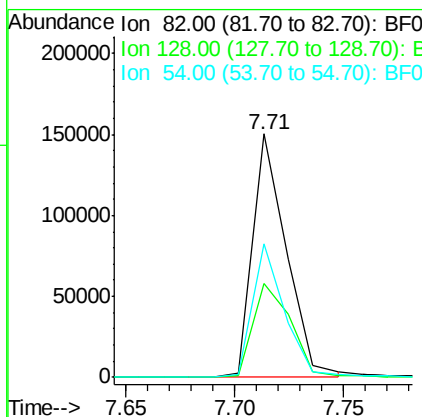
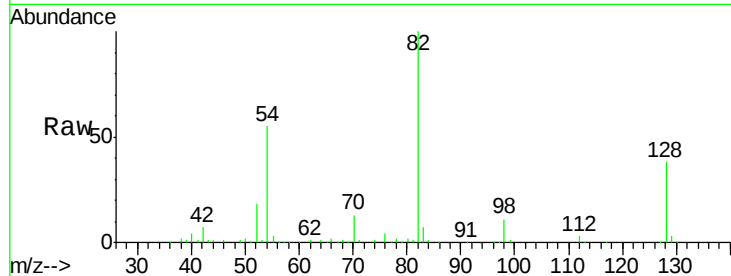
#23
 Nitrobenzene-d5
 Concen: 32.60 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Instrument :
 BNA_F
 ClientSampled :
 SB-27S

Tot Ion:	82	Resp:	162639
Ion Ratio	Lower	Upper	
82	100		
128	38.3	30.8	46.2
54	54.9	42.8	64.2

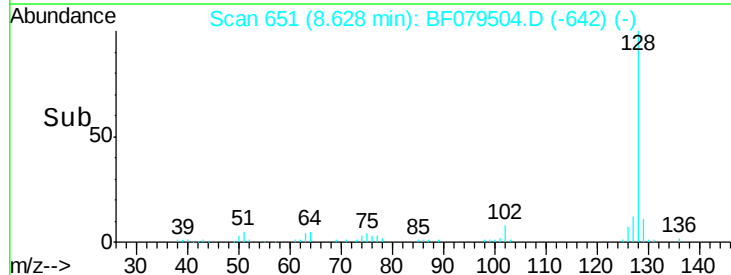
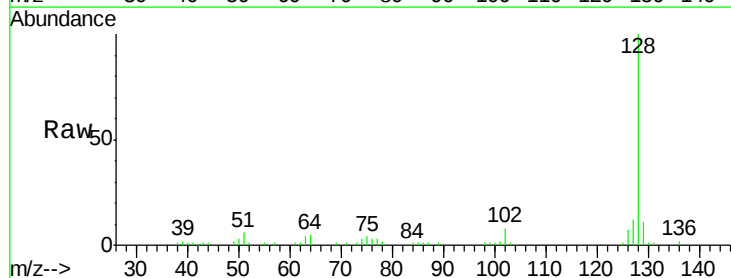
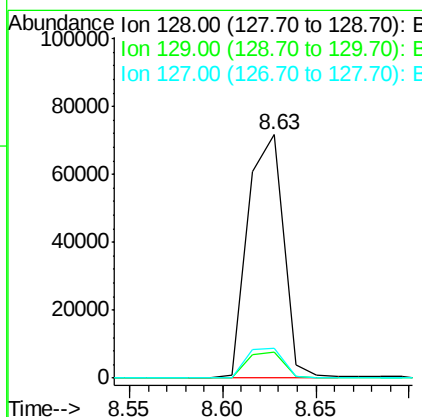
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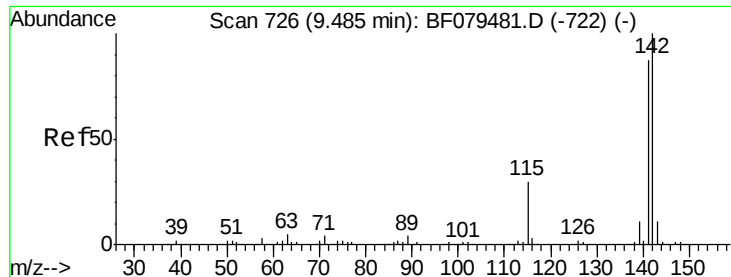
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#31
 Naphthalene
 Concen: 6.89 ng
 RT: 8.63 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Tgt Ion:	128	Resp:	95423
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.3	13.9
127	12.4	10.6	15.8





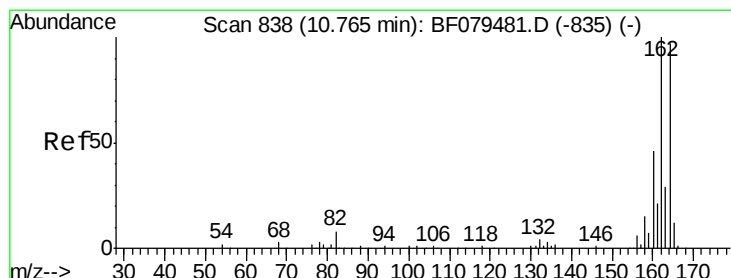
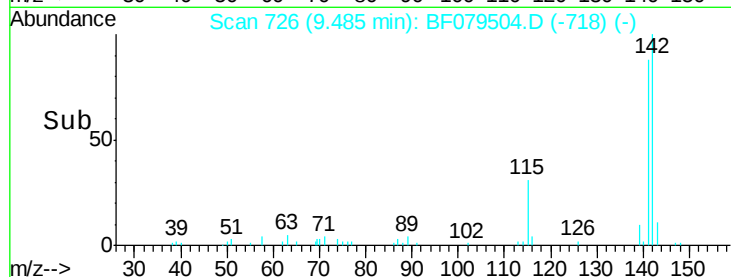
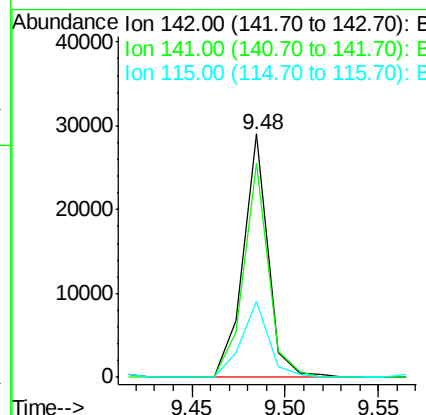
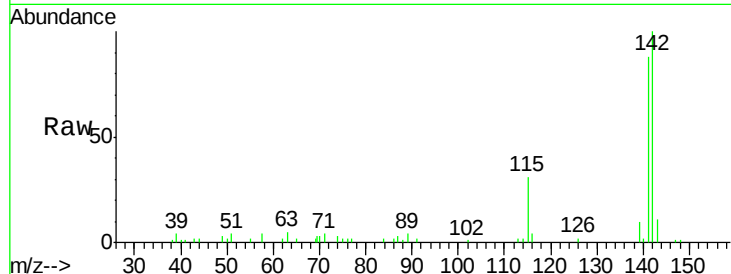
#37
 2-Methylnaphthalene
 Concen: 2.84 ng
 RT: 9.48 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-27S

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.5	104.3
115	31.1	23.8	35.6

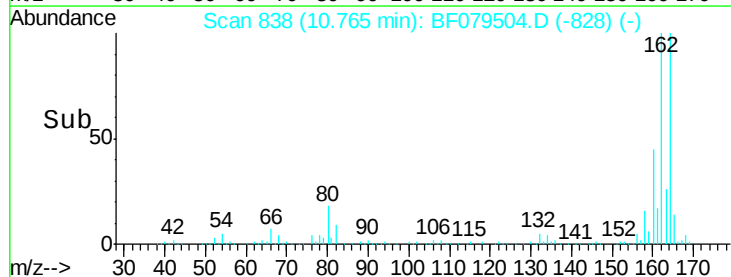
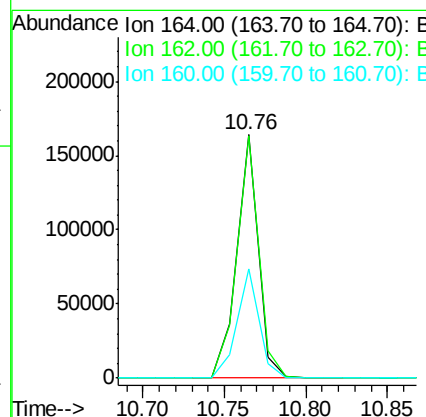
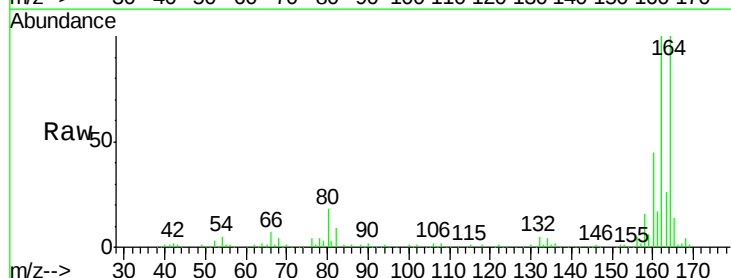
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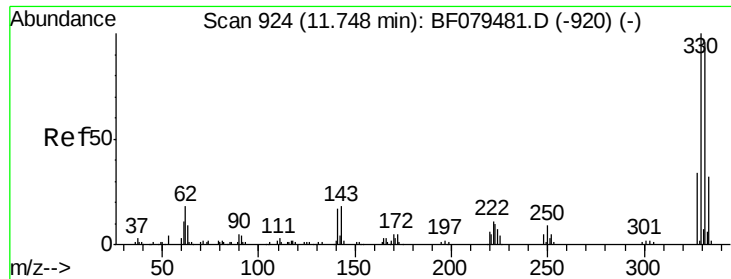
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.6	124.0
160	45.0	37.7	56.5





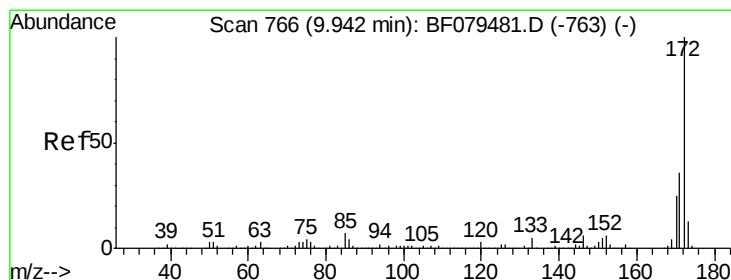
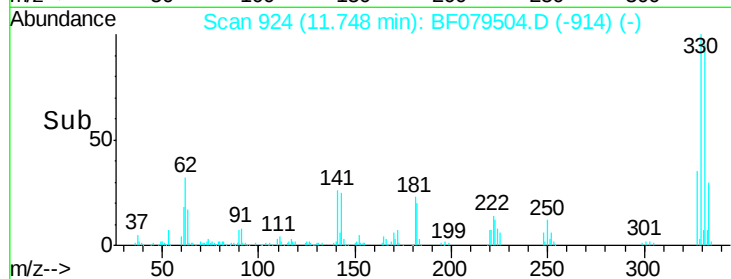
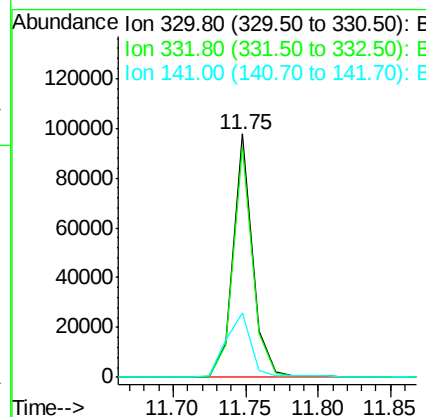
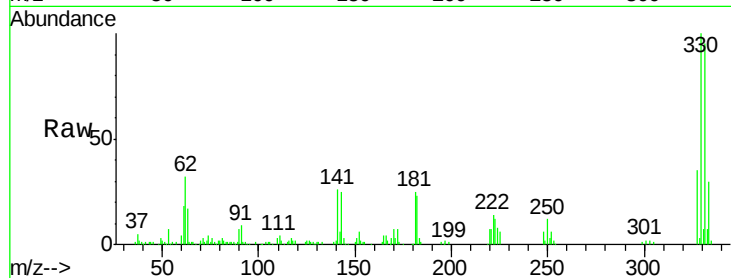
#41
 2,4,6-Tribromophenol
 Concen: 56.28 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-27S

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.9	0.0	0.0#
141	35.3	0.0	0.0#

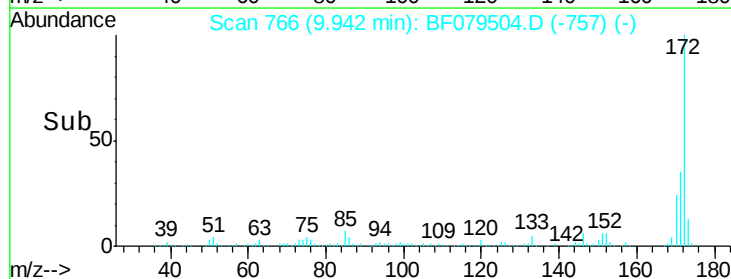
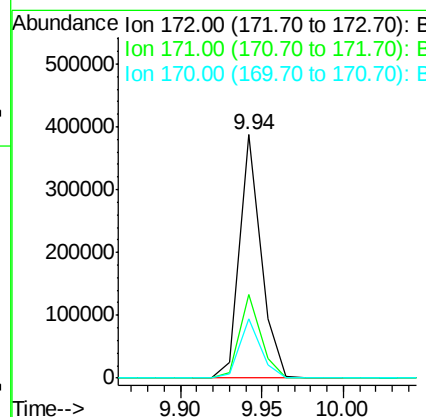
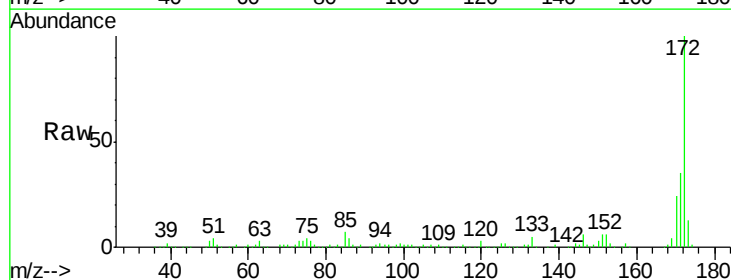
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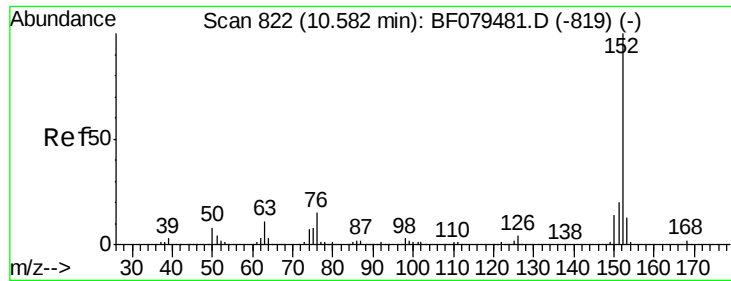
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#44
 2-Fluorobiphenyl
 Concen: 33.89 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.5	28.5	42.7
170	24.1	19.7	29.5





#48

Acenaphthylene

Concen: 2.23 ng

RT: 10.59 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

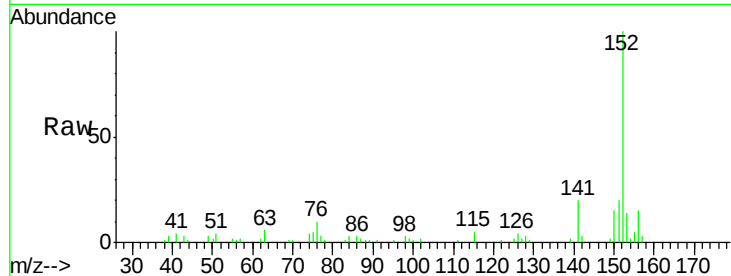
ClientSampleId :

SB-27S

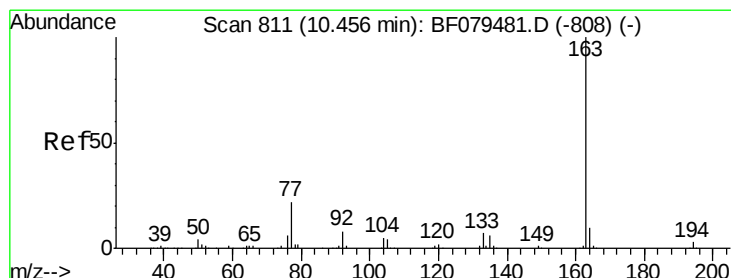
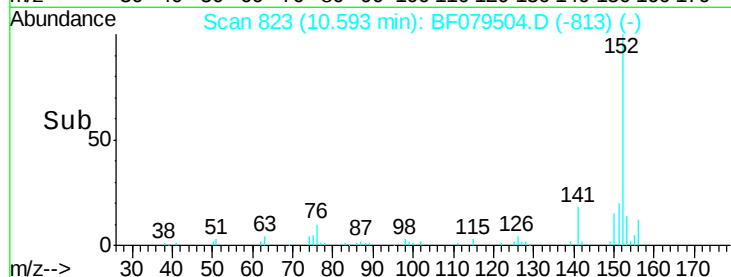
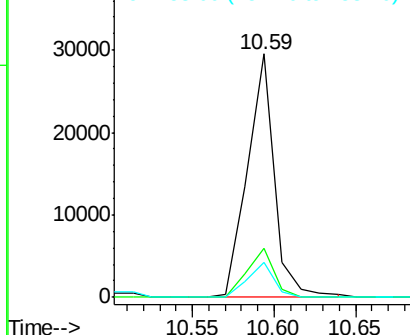
Tot Ion:	152	Resp:	33813
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	14.2	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.10 ng

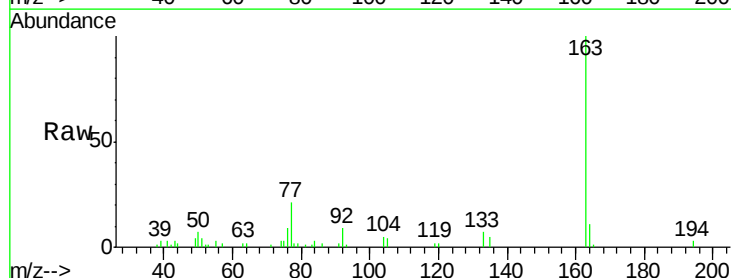
RT: 10.46 min Scan# 811

Delta R.T. 0.00 min

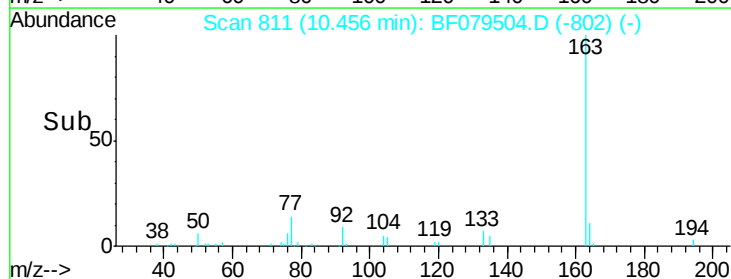
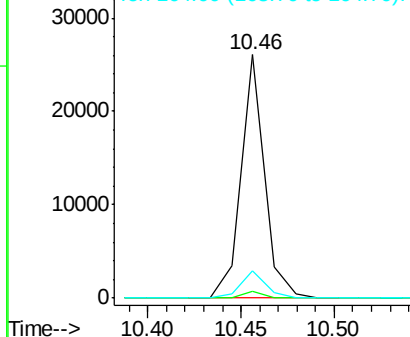
Lab File: BF079504.D

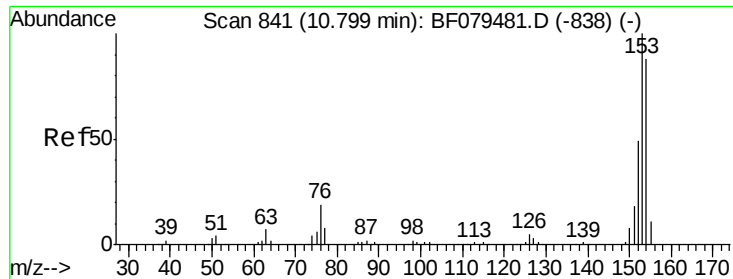
Acq: 27 May 2015 5:43

Tgt Ion:	163	Resp:	22909
Ion Ratio	Lower	Upper	
163	100		
194	2.6	2.4	3.6
164	11.0	8.2	12.4



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





#51

Acenaphthene

Concen: 8.72 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

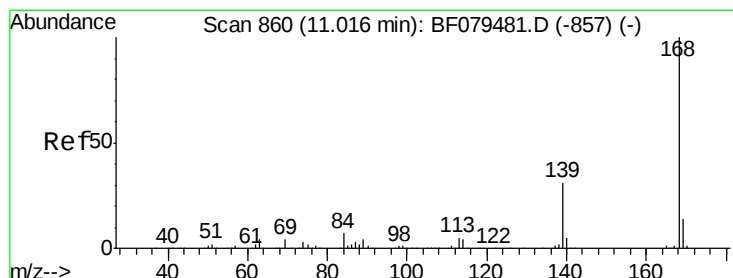
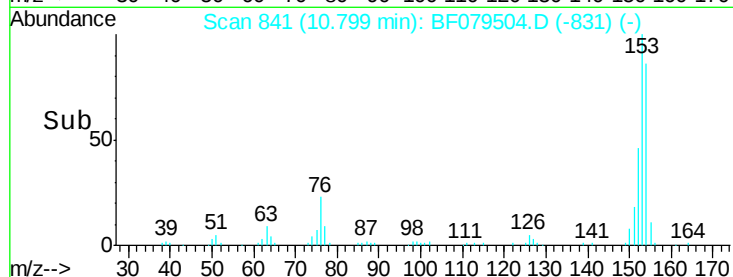
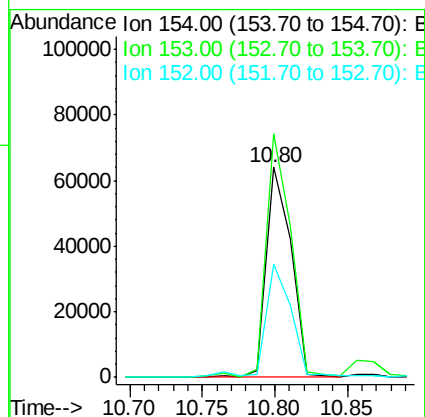
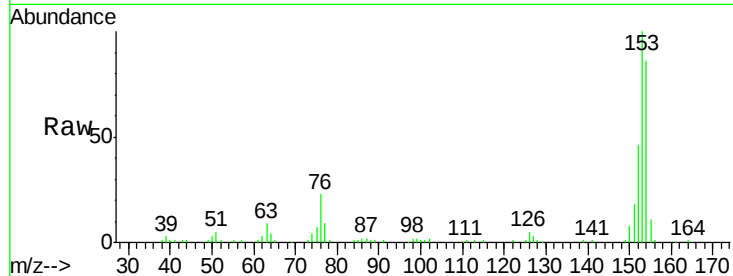
ClientSampleId :

SB-27S

Tot Ion:	154	Resp:	75726
Ion	Ratio	Lower	Upper
154	100		
153	116.0	91.1	136.7
152	53.8	44.6	66.8

Manual Integrations
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#54

Dibenzofuran

Concen: 6.39 ng

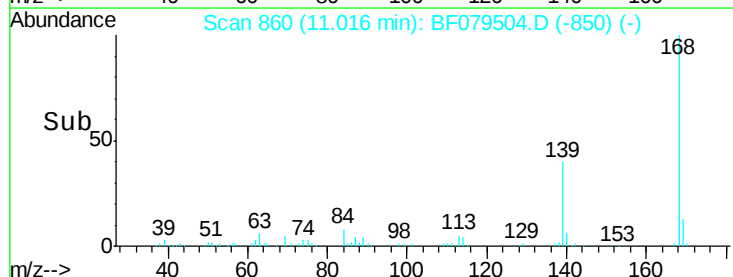
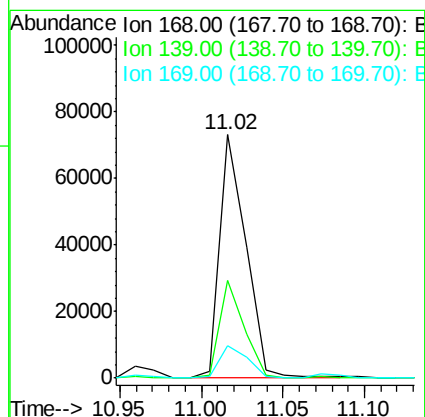
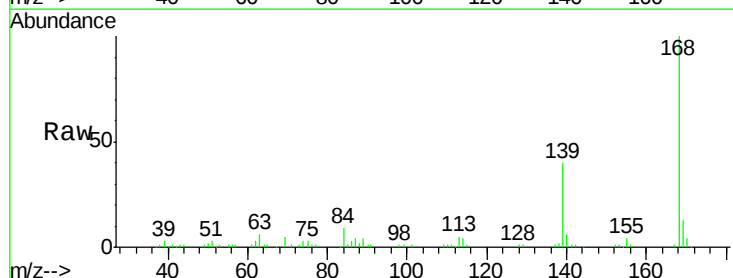
RT: 11.02 min Scan# 860

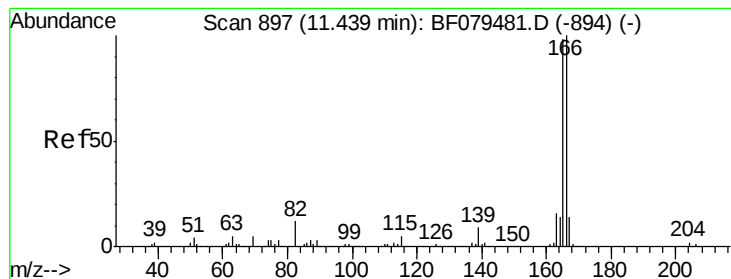
Delta R.T. 0.00 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Tgt Ion:	168	Resp:	81831
Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.9	49.3
169	13.1	11.1	16.7





#57

Fluorene

Concen: 8.03 ng

RT: 11.44 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

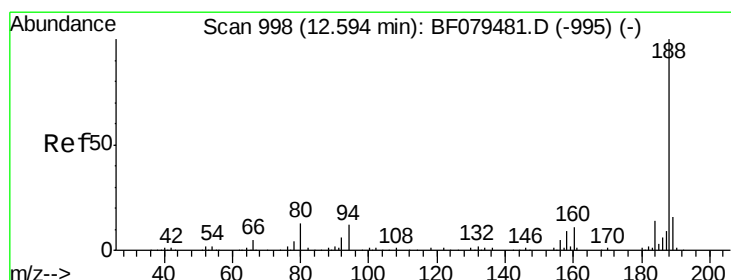
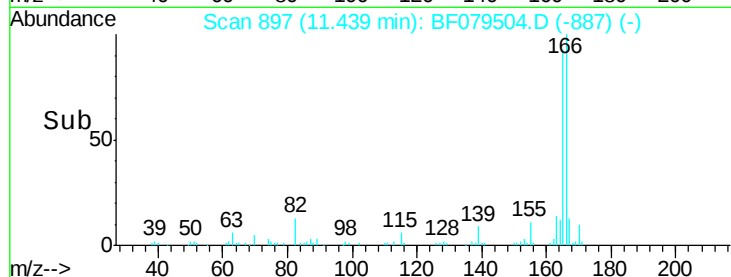
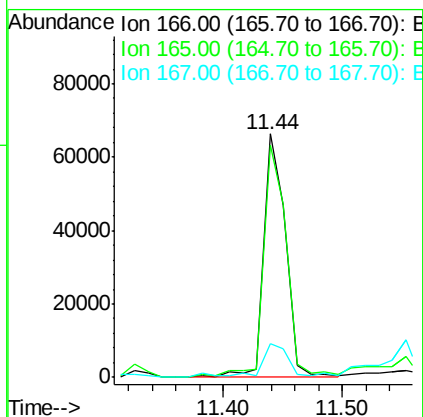
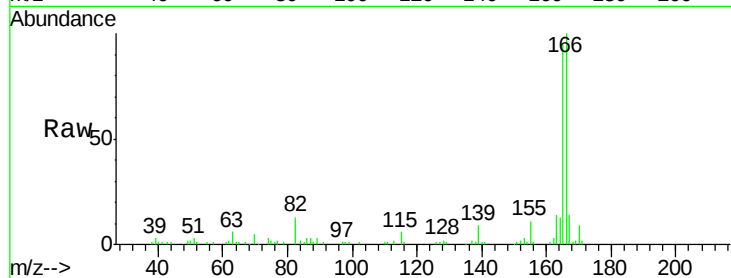
ClientSampleId :

SB-27S

Tot Ion:	166	Resp:	84696
Ion Ratio	Lower	Upper	
166	100		
165	95.4	78.6	117.8
167	14.0	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

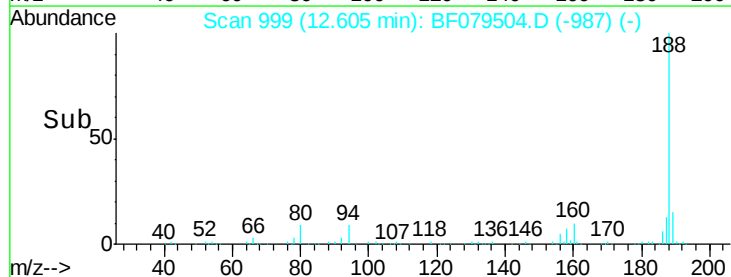
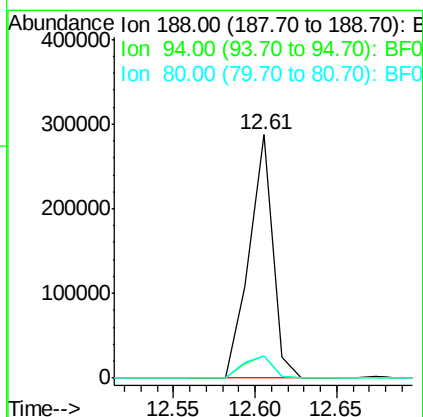
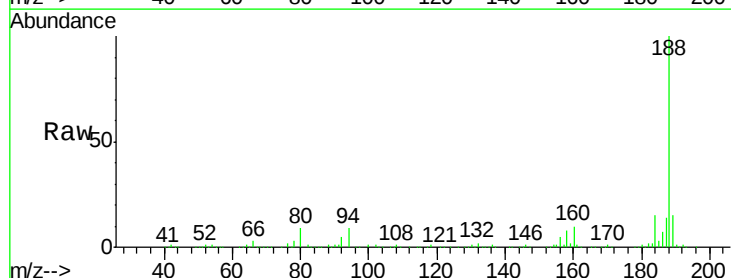
RT: 12.61 min Scan# 999

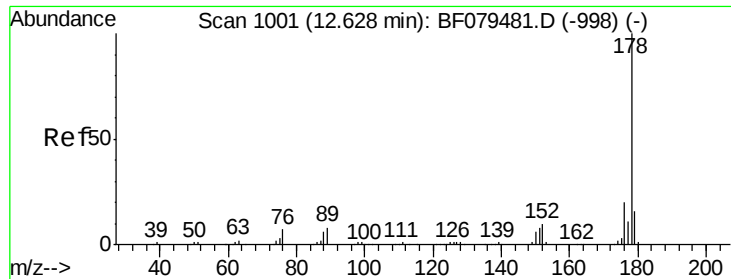
Delta R.T. 0.01 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Tgt Ion:	188	Resp:	290023
Ion Ratio	Lower	Upper	
188	100		
94	8.9	9.8	14.6#
80	9.0	10.5	15.7#





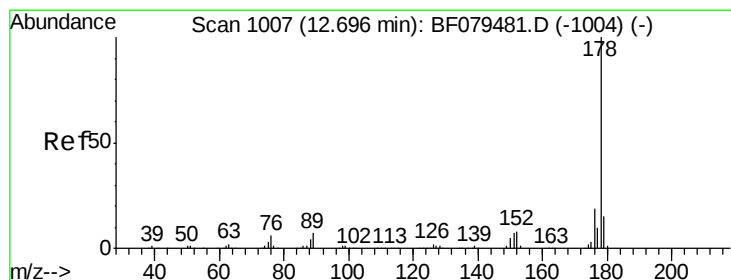
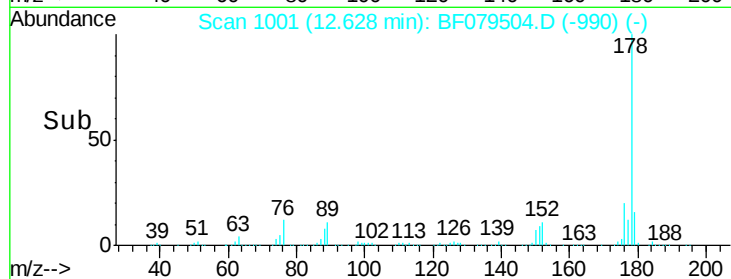
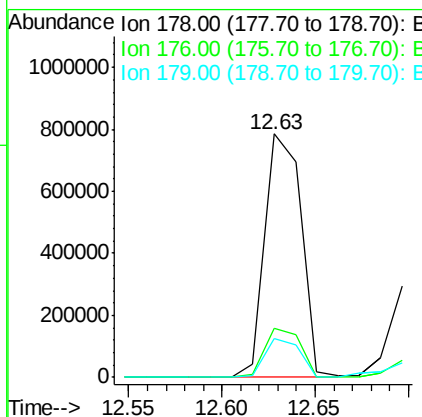
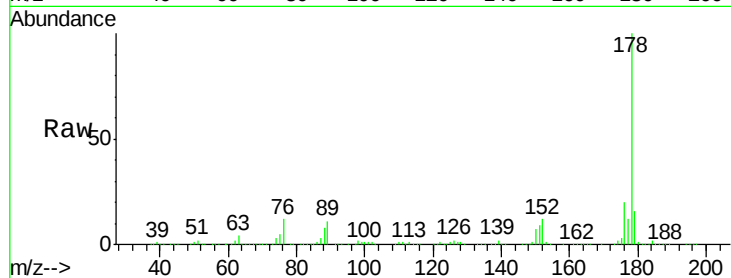
#70
Phenanthrene
Concen: 66.44 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Instrument :
BNA_F
ClientSampled :
SB-27S

Tot Ion:178 Resp: 1057083
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.9 12.4 18.6

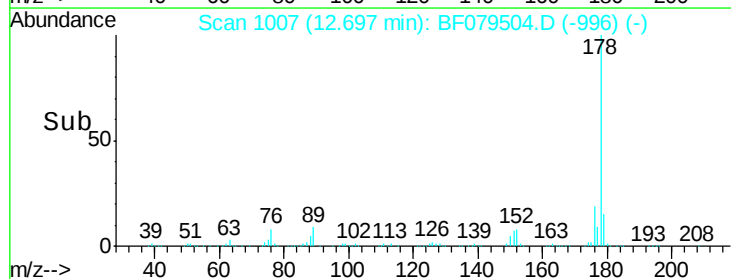
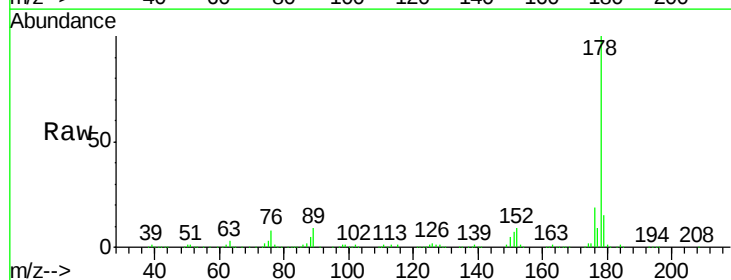
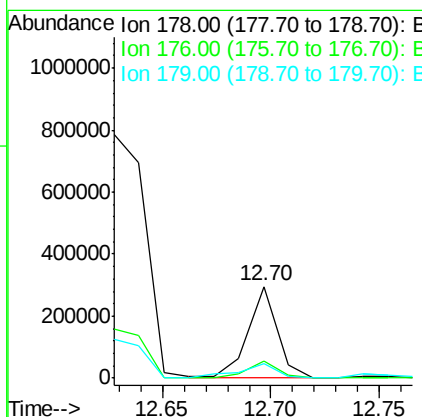
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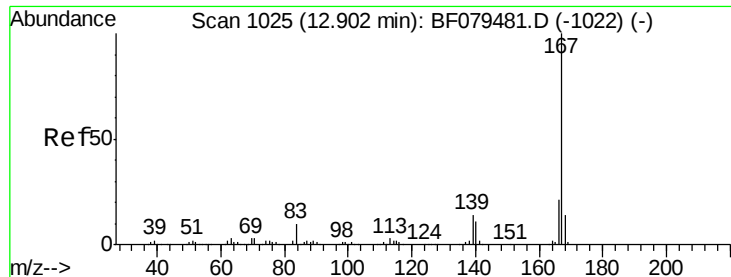
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#71
Anthracene
Concen: 17.13 ng
RT: 12.70 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Tgt Ion:178 Resp: 276669
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.2 18.4





#72

Carbazole

Concen: 6.16 ng

RT: 12.91 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

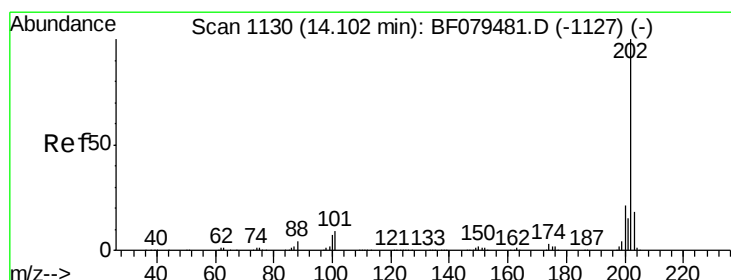
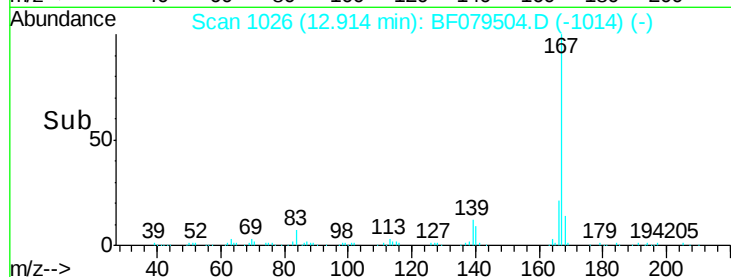
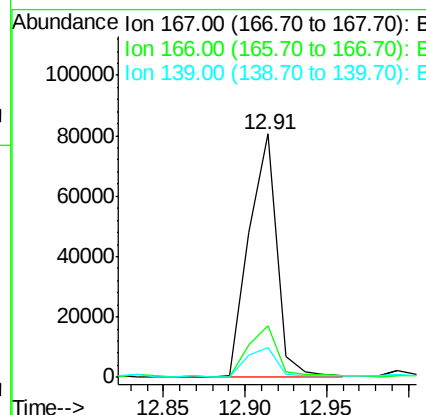
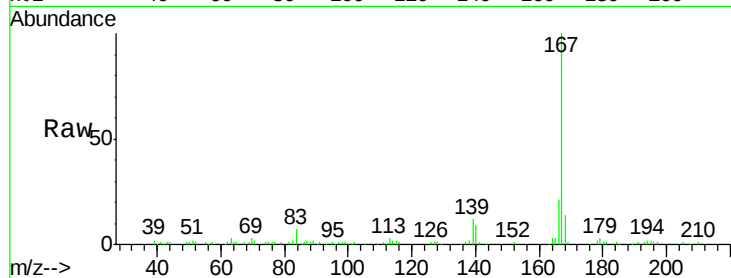
ClientSampled :

SB-27S

Tot Ion:	167	Resp:	95865
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.0	25.4
139	12.1	11.2	16.8

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#74

Fluoranthene

Concen: 77.66 ng

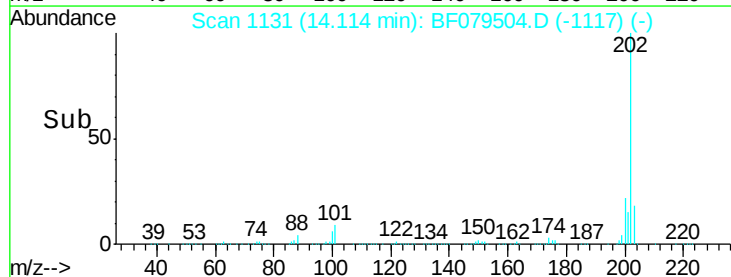
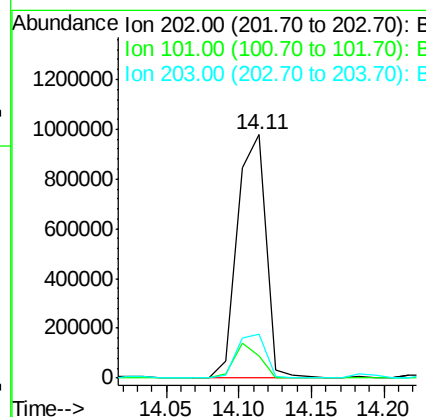
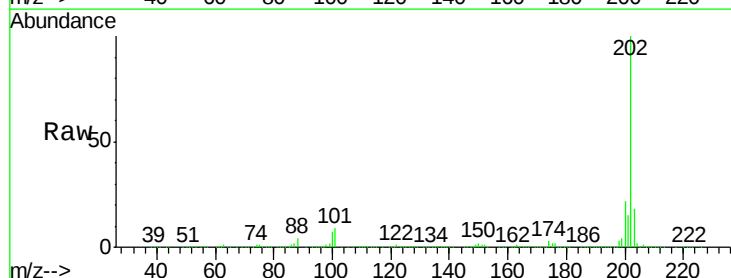
RT: 14.11 min Scan# 1131

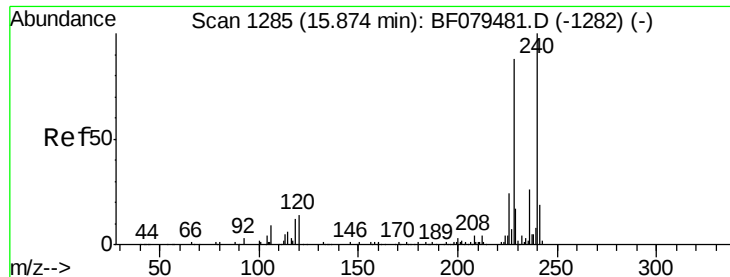
Delta R.T. 0.01 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Tgt Ion:	202	Resp:	1325093
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	29.3
203	18.1	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

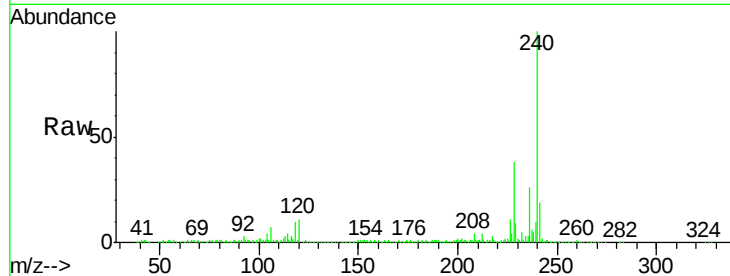
ClientSampleId :

SB-27S

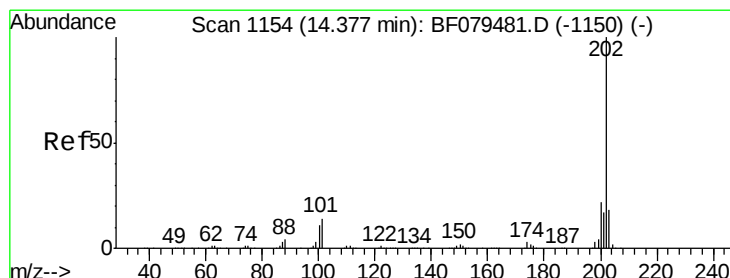
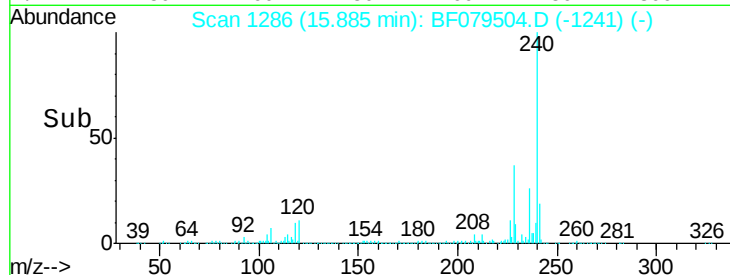
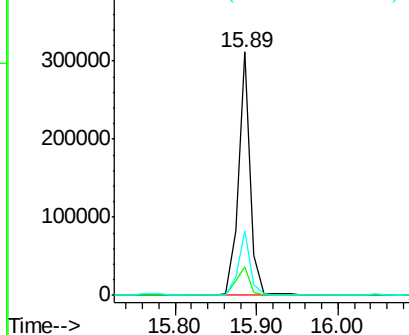
Tot Ion:	240	Resp:	311912
Ion Ratio		Lower	Upper
240	100		
120	11.5	10.8	16.2
236	26.2	21.0	31.6

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 65.41 ng

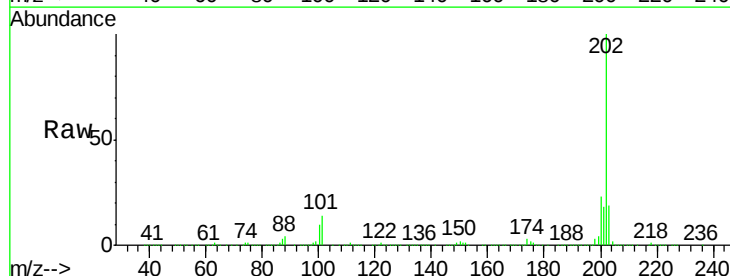
RT: 14.39 min Scan# 1155

Delta R.T. 0.01 min

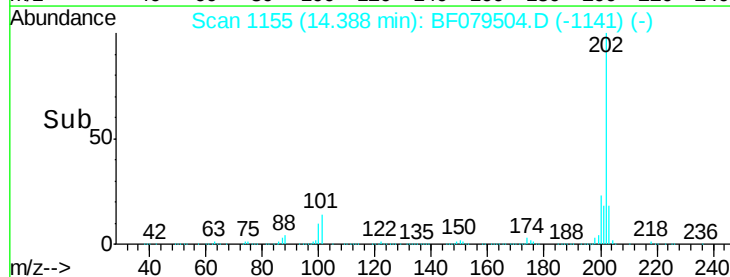
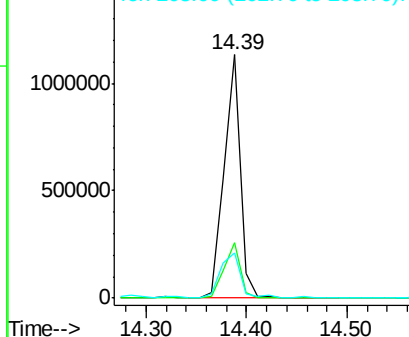
Lab File: BF079504.D

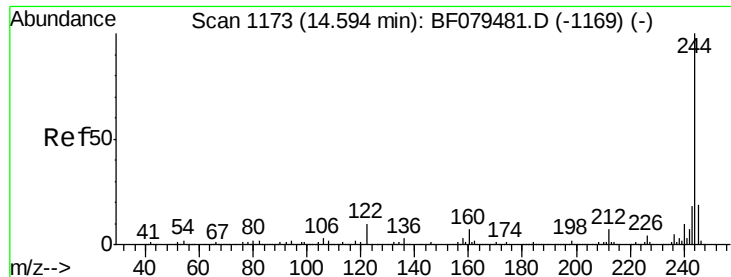
Acq: 27 May 2015 5:43

Tgt Ion:	202	Resp:	1263990
Ion Ratio		Lower	Upper
202	100		
200	22.7	17.5	26.3
203	18.8	14.4	21.6



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





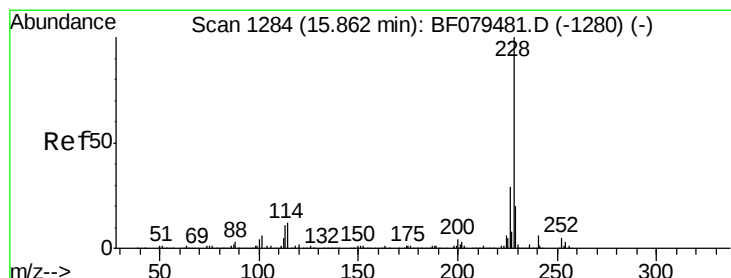
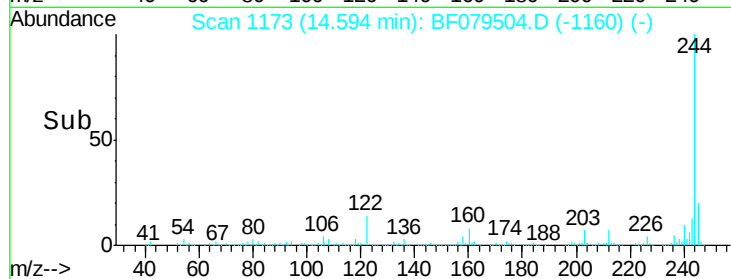
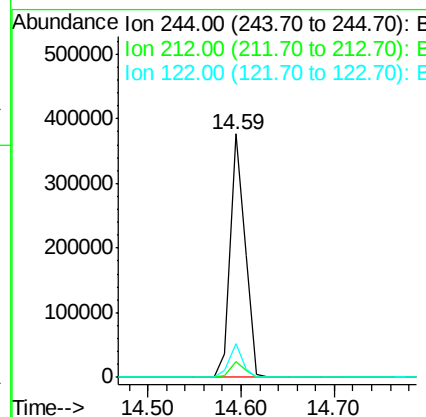
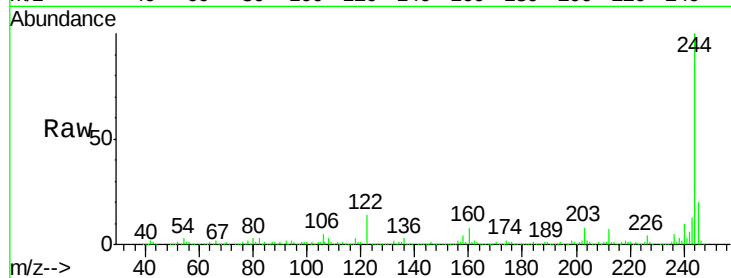
#78
 Terphenyl-d14
 Concen: 31.52 ng
 RT: 14.59 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Instrument :
 BNA_F
 ClientSampled :
 SB-27S

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	13.8	8.0	12.0

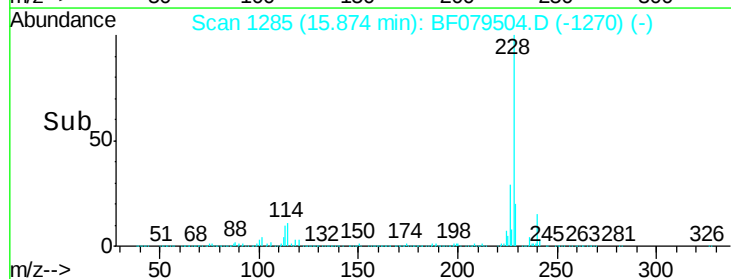
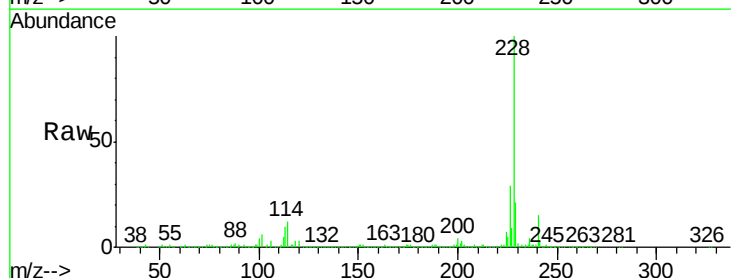
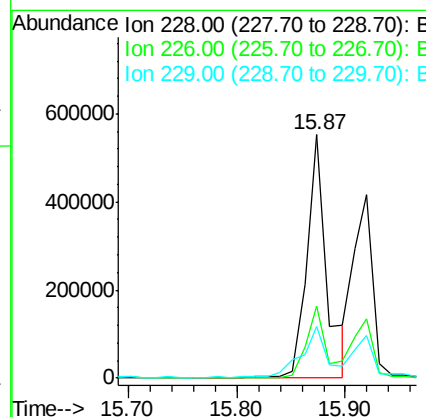
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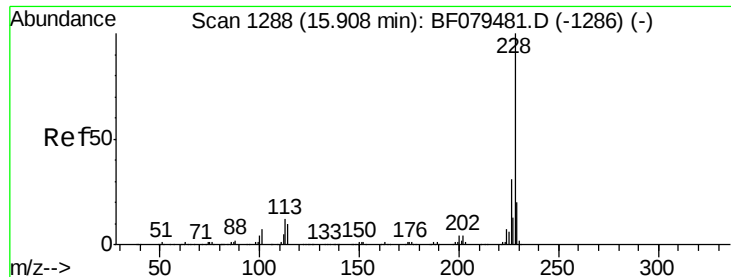
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#80
 Benzo(a)anthracene
 Concen: 39.22 ng
 RT: 15.87 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BF079504.D
 Acq: 27 May 2015 5:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.8	34.2
229	21.1	15.9	23.9





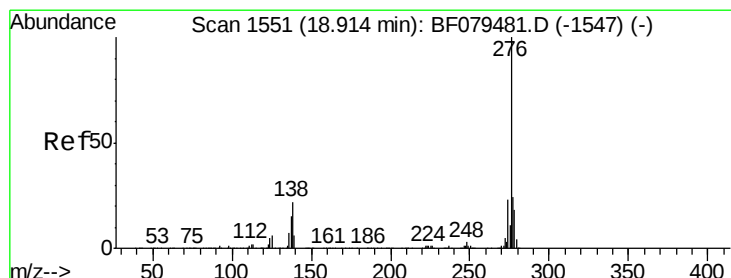
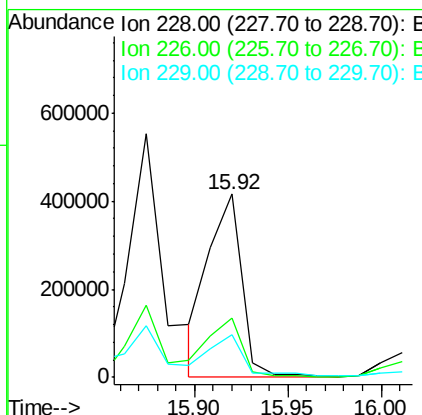
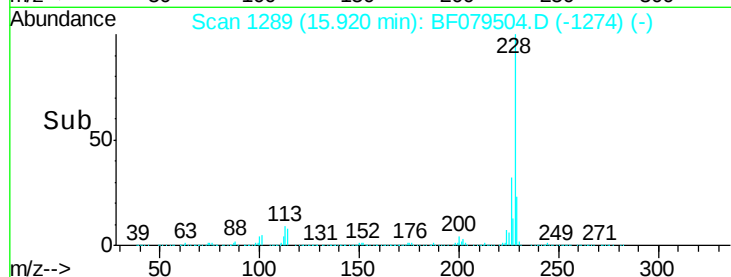
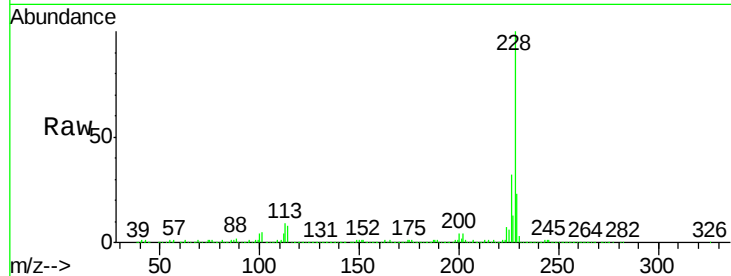
#82
Chrysene
Concen: 29.97 ng
RT: 15.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Instrument :
BNA_F
ClientSampleId :
SB-27S

Tot Ion:	228	Resp:	511214
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.0	37.4
229	23.0	15.9	23.9

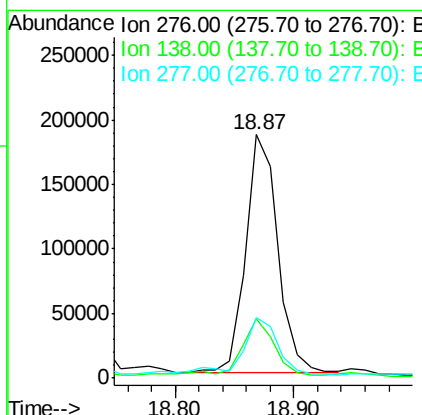
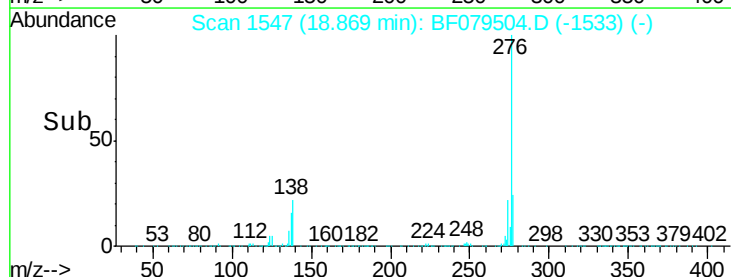
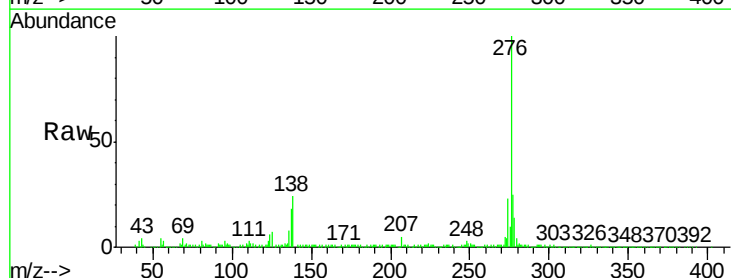
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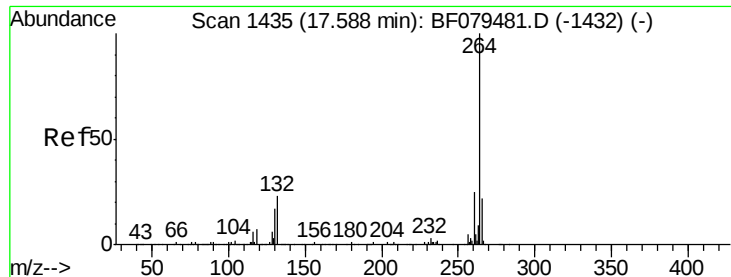
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.80 ng
RT: 18.87 min Scan# 1547
Delta R.T. -0.05 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Tgt Ion:	276	Resp:	346538
Ion Ratio	Lower	Upper	
276	100		
138	24.3	21.4	32.2
277	27.8	19.8	29.6





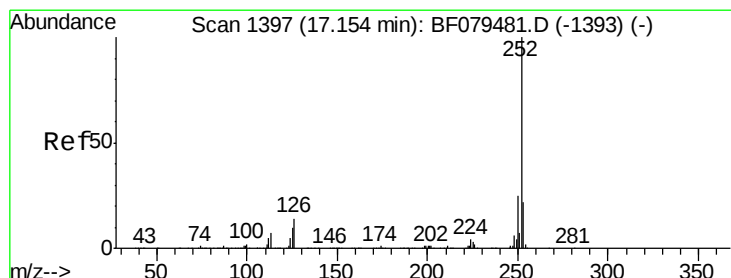
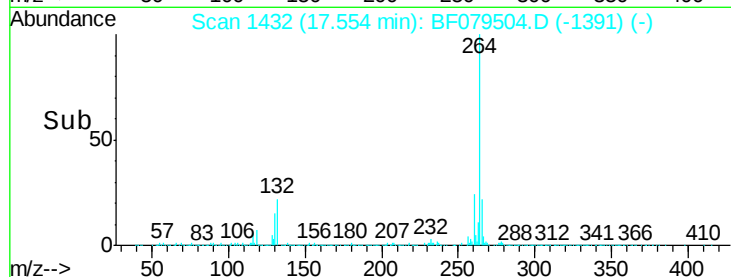
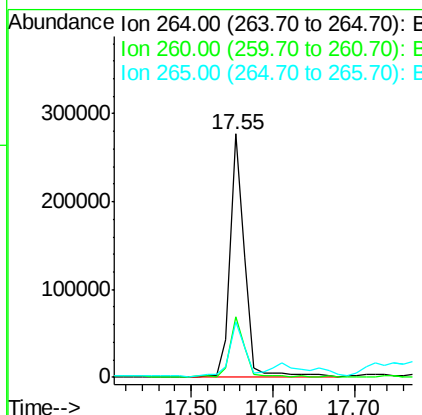
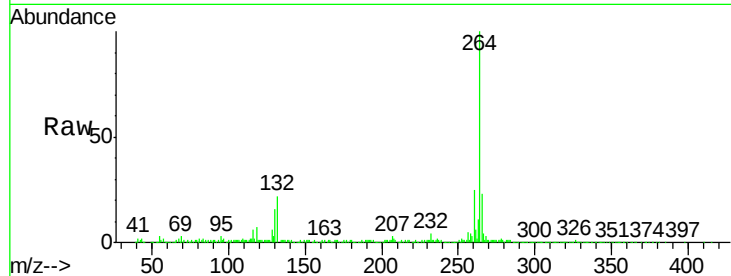
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.03 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Instrument :
BNA_F
ClientSampled :
SB-27S

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	19.8	29.8	
265	22.8	17.8	26.6	

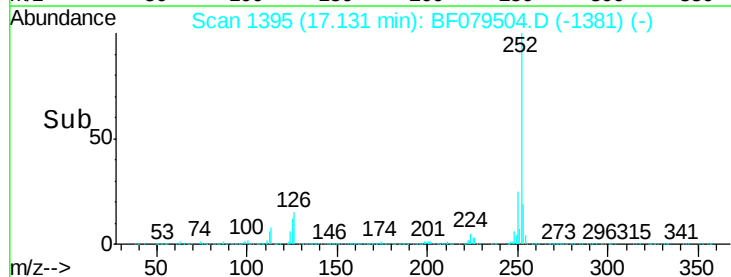
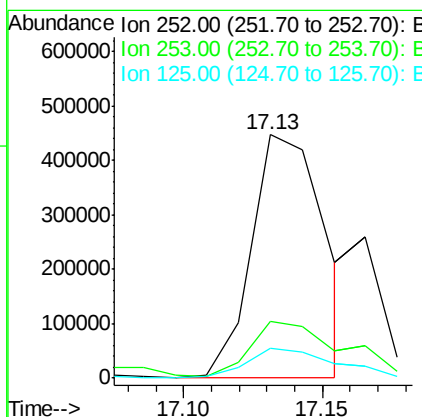
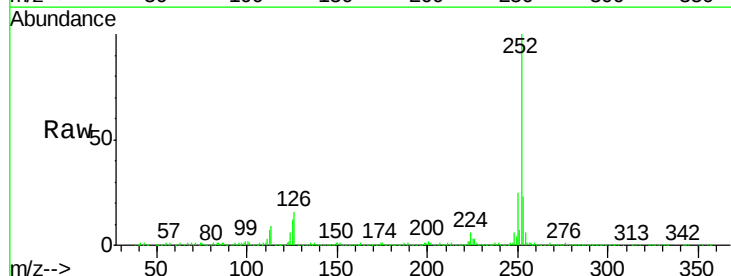
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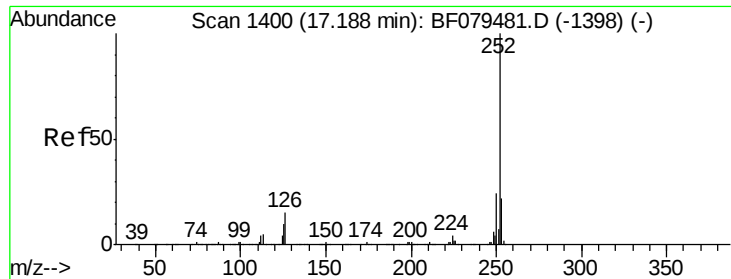
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#87
Benzo(b)fluoranthene
Concen: 42.58 ng m
RT: 17.13 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.3	17.6	26.4	
125	12.2	7.8	11.6	





#88

Benzo(k)fluoranthene

Concen: 12.53 ng m

RT: 17.17 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF079504.D

Acq: 27 May 2015 5:43

Instrument :

BNA_F

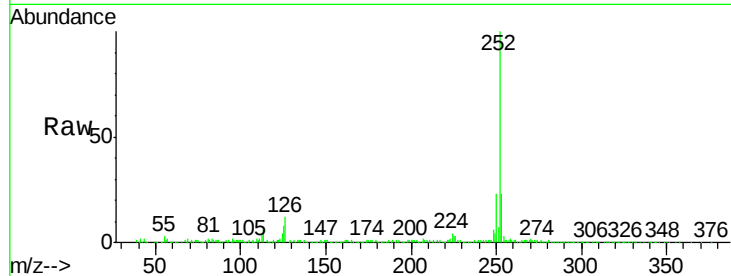
ClientSampleId :

SB-27S

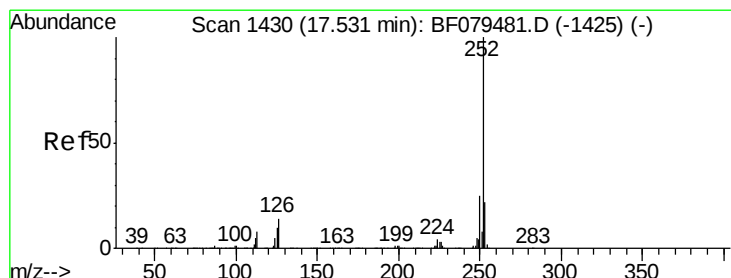
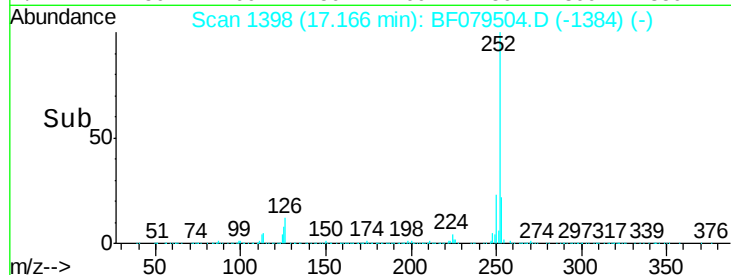
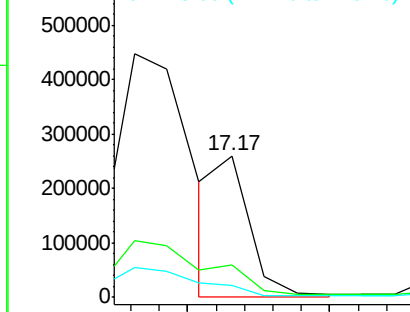
Tot Ion:	252	Resp:	214156
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.2	25.8
125	8.5	6.8	10.2

Manual Integrations
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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



#89

Benzo(a)pyrene

Concen: 34.09 ng

RT: 17.50 min Scan# 1427

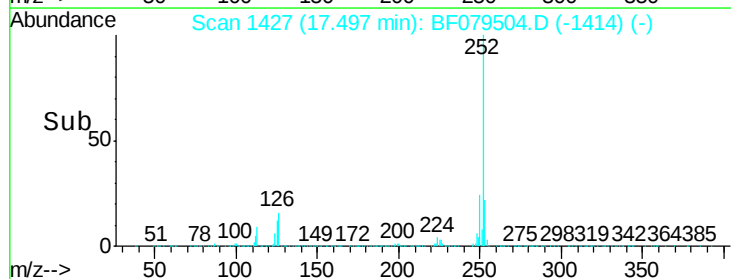
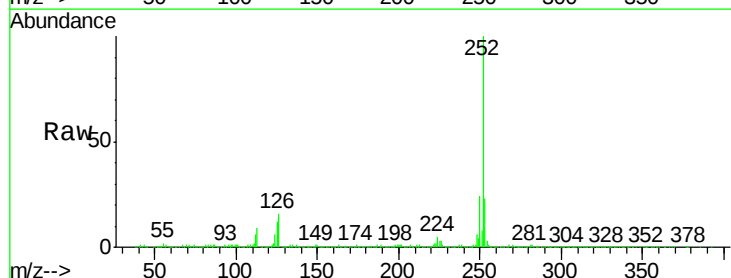
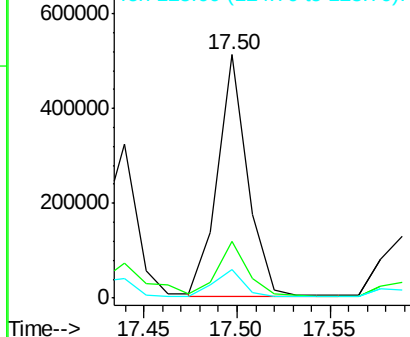
Delta R.T. -0.03 min

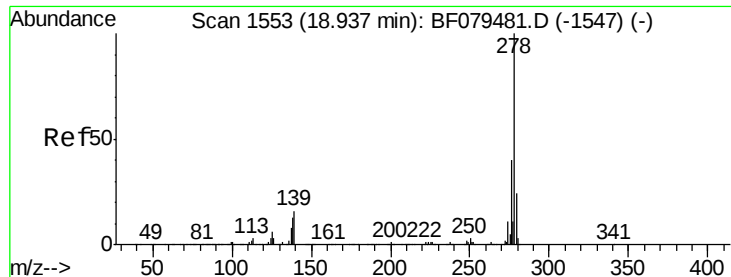
Lab File: BF079504.D

Acq: 27 May 2015 5:43

Tgt Ion:	252	Resp:	579167
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	11.9	7.9	11.9#

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





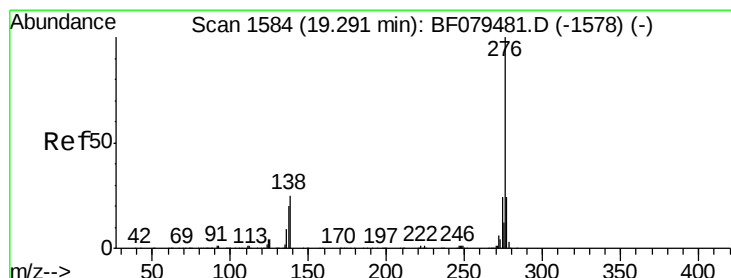
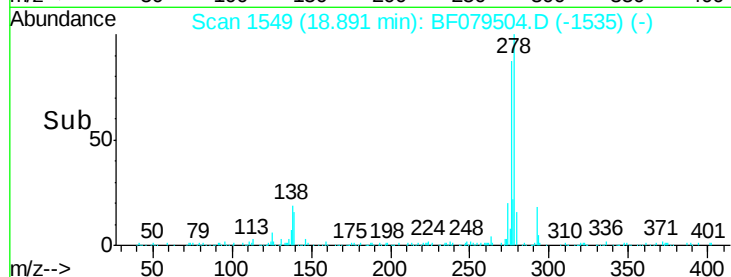
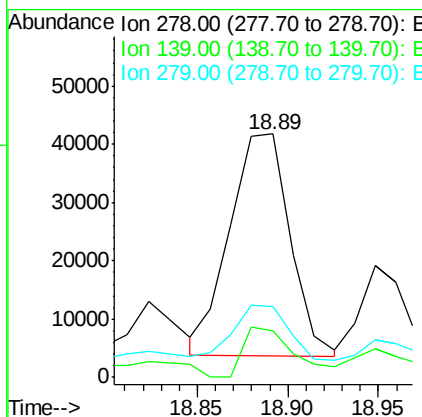
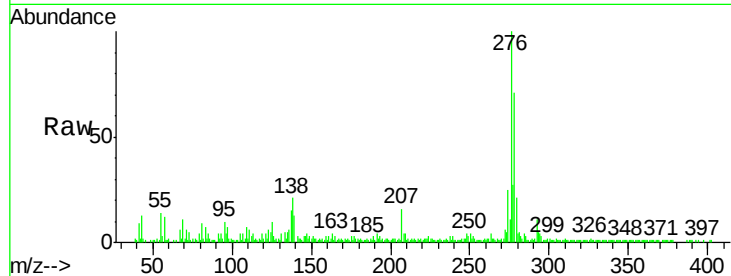
#90
Dibenzo(a,h)anthracene
Concen: 3.59 ng/mL
RT: 18.89 min Scan# 1549
Delta R.T. -0.05 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Instrument :
BNA_F
ClientSampled :
SB-27S

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.9	12.8	19.2
279	29.3	19.1	28.7

Manual Integrations
APPROVED

apatel
5/27/2015 2:02:38 PM



#91
Benzo(g,h,i)perylene
Concen: 19.23 ng/mL
RT: 19.26 min Scan# 1581
Delta R.T. -0.03 min
Lab File: BF079504.D
Acq: 27 May 2015 5:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	25.1	20.1	30.1

