

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079299.D
 Acq On : 16 May 2015 7:43
 Operator : TP/IZ
 Sample : G2249-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-2

Manual Integrations
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Quant Time: May 18 12:27:33 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	75764	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	305578	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	145173	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	264878	20.00	ng	0.00
75) Chrysene-d12	16.06	240	272850	20.00	ng	0.00
86) Perylene-d12	17.82	264	279042	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	544856m	123.79	ng	0.01
7) Phenol-d6	6.75	99	704759	121.14	ng	0.01
23) Nitrobenzene-d5	7.87	82	419654	78.93	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	196883	125.36	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	783182	75.16	ng	0.00
78) Terphenyl-d14	14.77	244	839670	73.68	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.75	152	35759	2.42	ng	98
49) Dimethylphthalate	10.60	163	57702	5.42	ng	100
70) Phenanthrene	12.80	178	253644	17.12	ng	99
71) Anthracene	12.86	178	79640	5.48	ng	99
74) Fluoranthene	14.27	202	464575	30.09	ng	97
77) Pyrene	14.55	202	421452	26.81	ng	97
80) Benzo(a)anthracene	16.05	228	233016m	15.60	ng	
82) Chrysene	16.09	228	226085m	15.73	ng	
83) Bis(2-ethylhexyl)phthalate	16.10	149	107178	10.30	ng	96
85) Indeno(1,2,3-cd)pyrene	19.21	276	139491	7.62	ng	93
87) Benzo(b)fluoranthene	17.36	252	273407m	17.90	ng	
88) Benzo(k)fluoranthene	17.37	252	121934m	8.25	ng	
89) Benzo(a)pyrene	17.75	252	212932	15.14	ng	98
90) Dibenzo(a,h)anthracene	19.23	278	33254	2.22	ng	# 84
91) Benzo(a,h,i)perylene	19.62	276	132980	8.88	ng	# 94

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

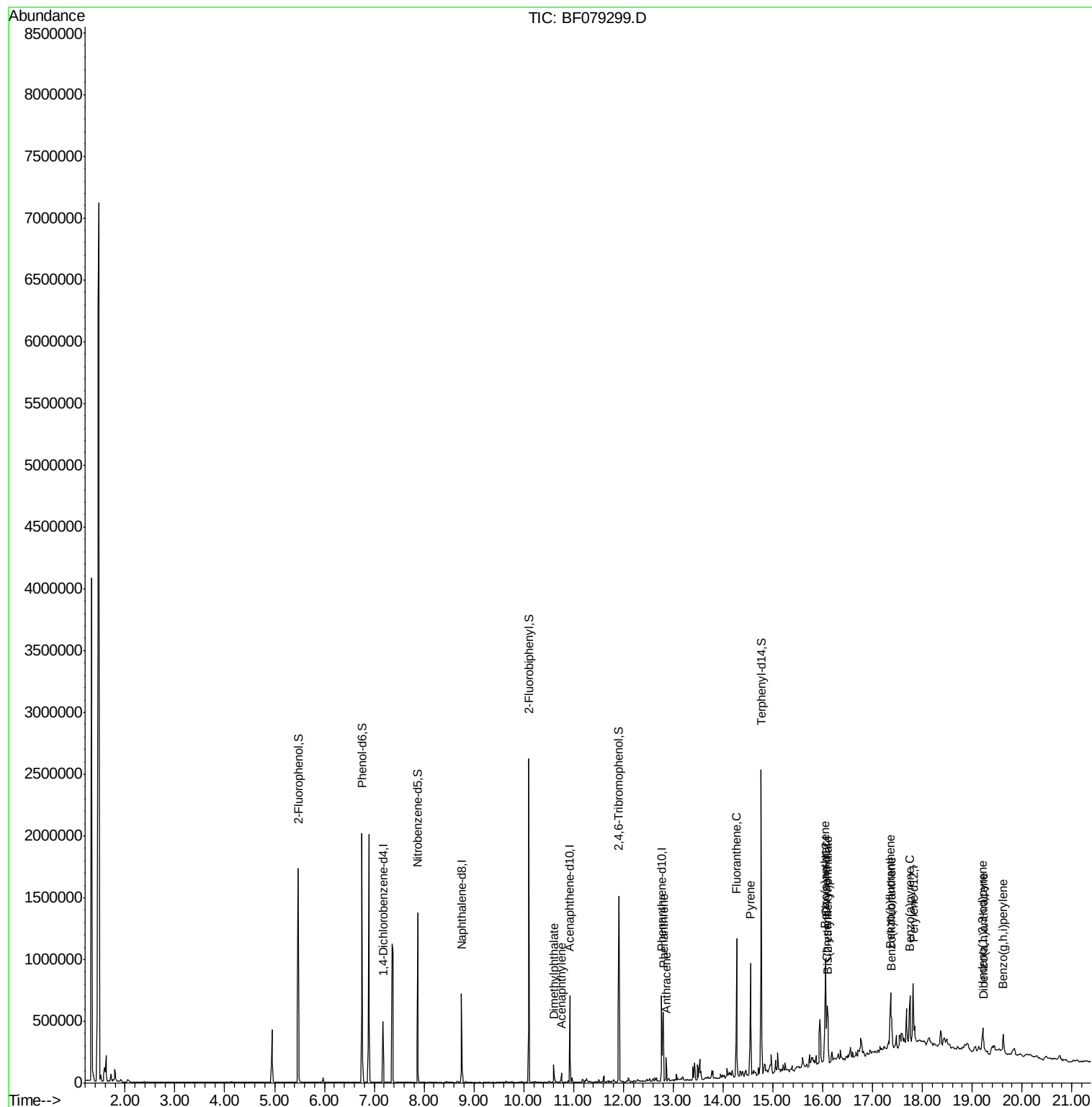
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
Data File : BF079299.D
Acq On : 16 May 2015 7:43
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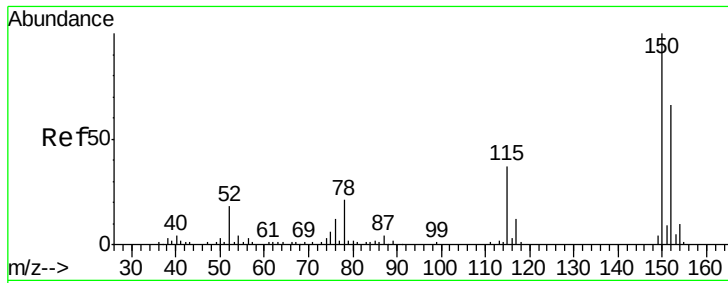
Instrument :
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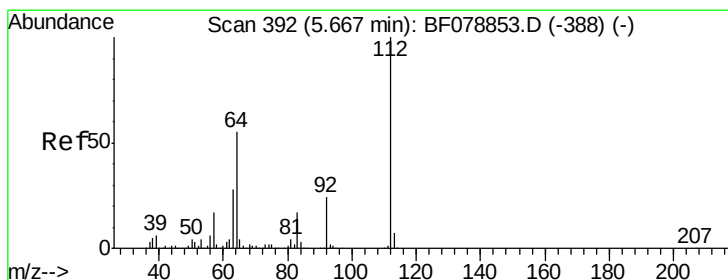
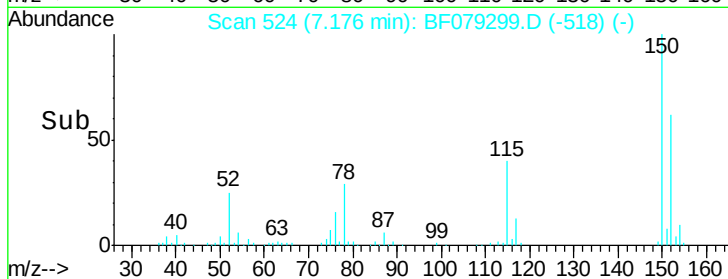
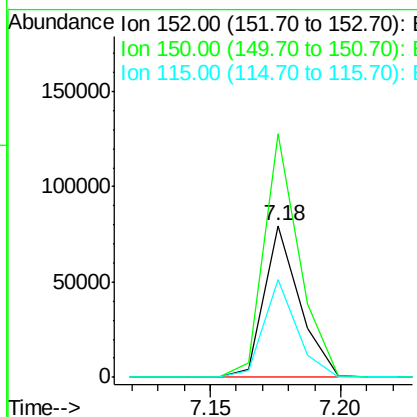
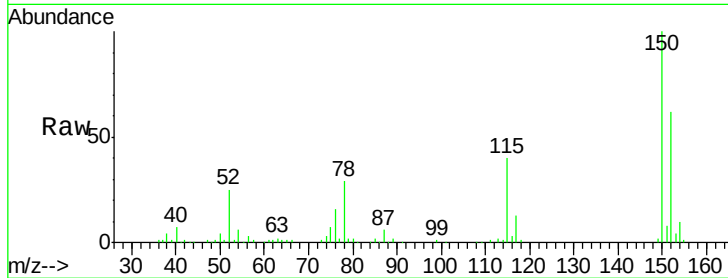
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampled :
 SR-2

Tot Ion:	152	Resp:	75764
Ion Ratio	Lower	Upper	
152	100		
150	160.4	123.8	185.8
115	64.3	49.4	74.0

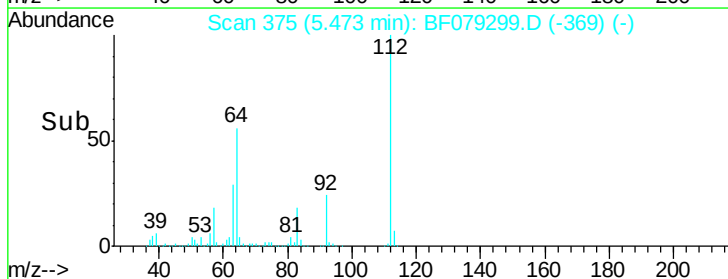
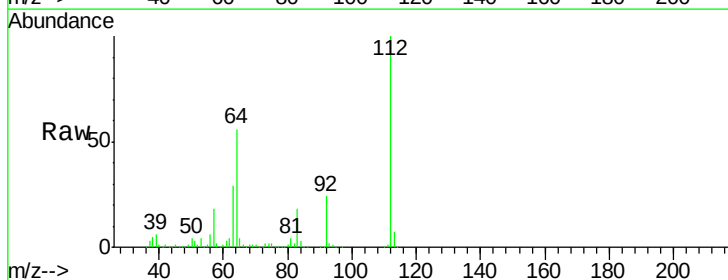
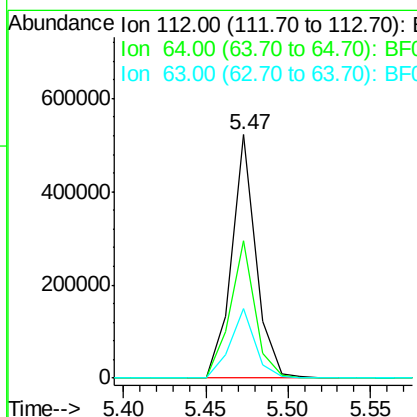
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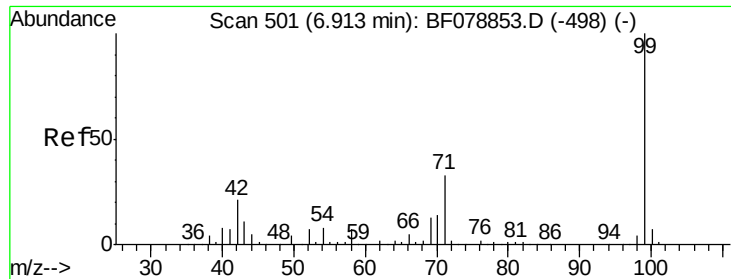
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#5
 2-Fluorophenol
 Concen: 123.79 ng m
 RT: 5.47 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion:	112	Resp:	544856
Ion Ratio	Lower	Upper	
112	100		
64	56.4	44.2	66.2
63	28.7	22.7	34.1





#7

Phenol-d6

Concen: 121.14 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

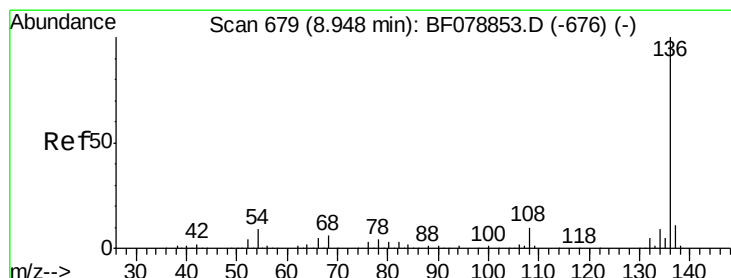
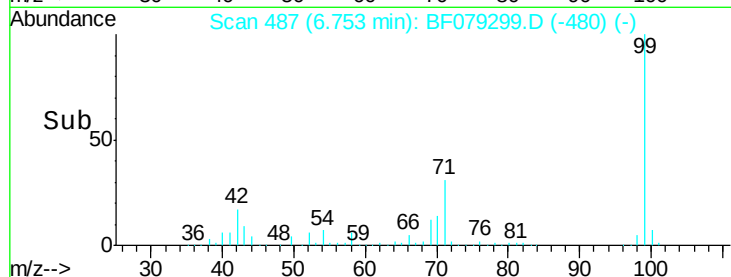
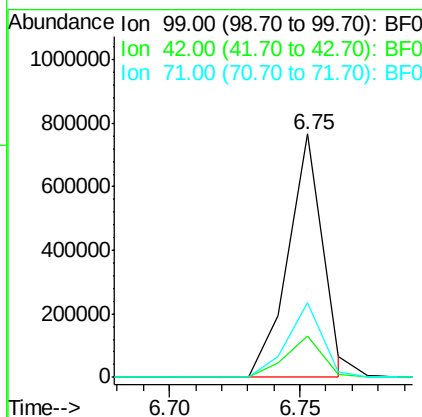
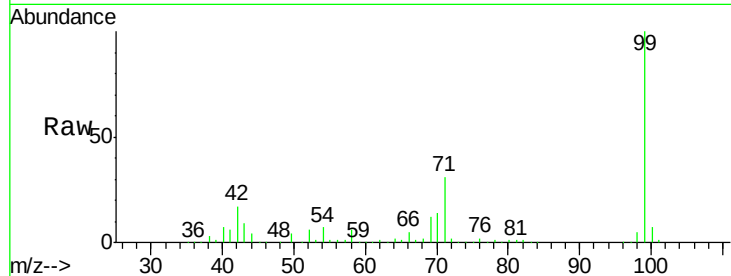
ClientSampled :

SR-2

Tot Ion:	99	Resp:	704759
Ion Ratio	Lower	Upper	
99	100		
42	17.0	17.1	25.7#
71	30.9	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

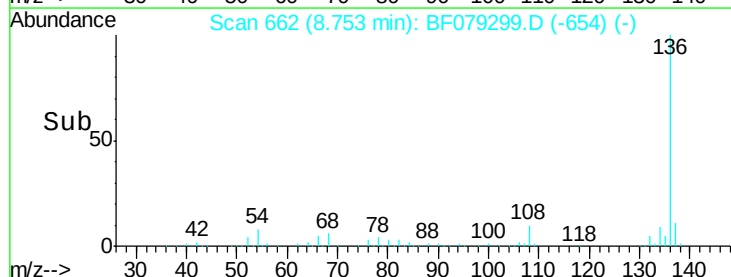
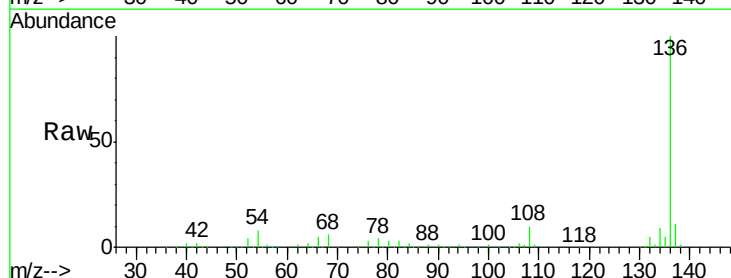
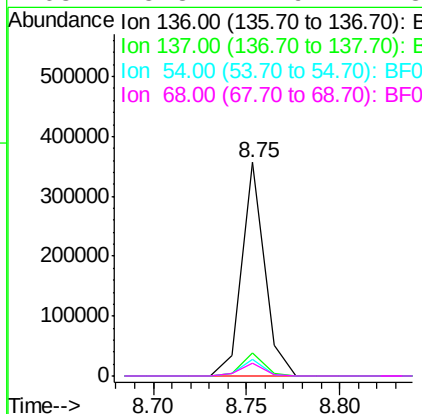
RT: 8.75 min Scan# 662

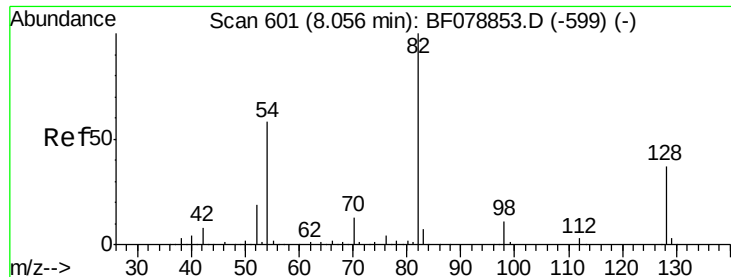
Delta R.T. 0.00 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Tgt Ion:	136	Resp:	305578
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.7	6.9	10.3
68	5.8	4.9	7.3





#23

Nitrobenzene-d5

Concen: 78.93 ng

RT: 7.87 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

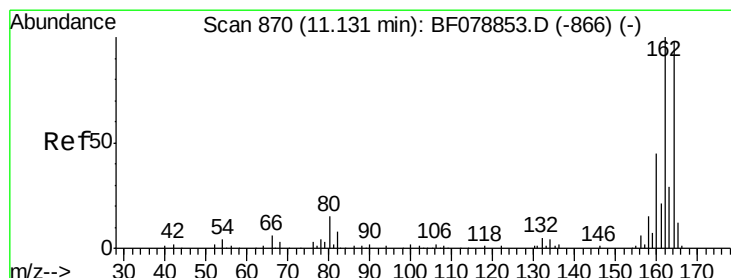
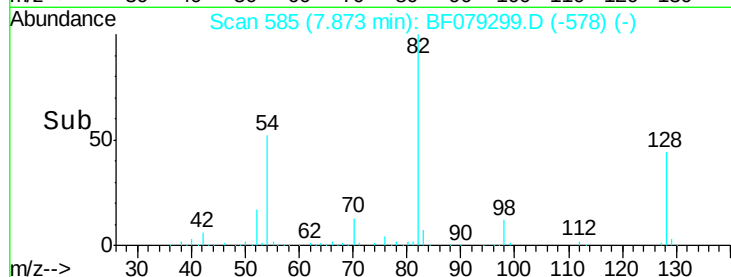
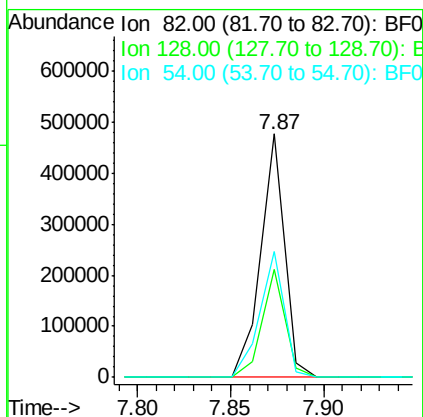
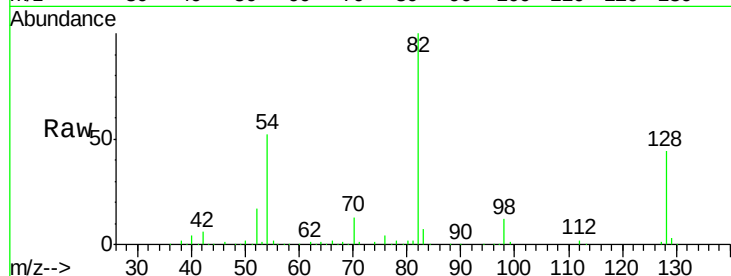
ClientSampleId :

SR-2

Tot Ion:	82	Resp:	419654
Ion Ratio		Lower	Upper
82	100		
128	44.4	29.7	44.5
54	51.6	46.2	69.4

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#38

Acenaphthene-d10

Concen: 20.00 ng

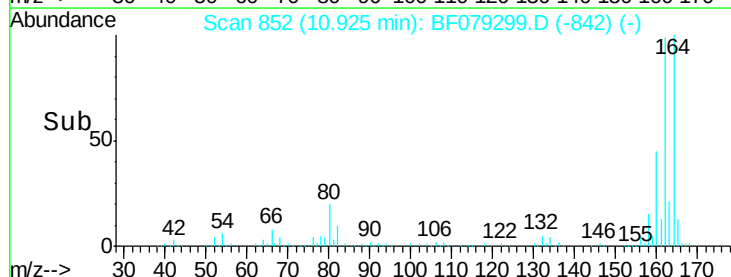
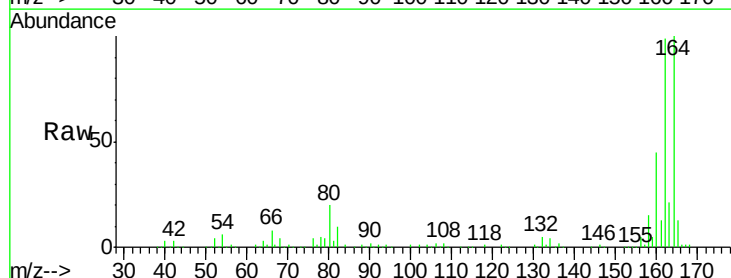
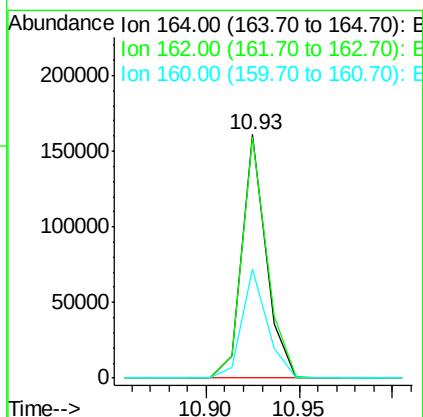
RT: 10.93 min Scan# 852

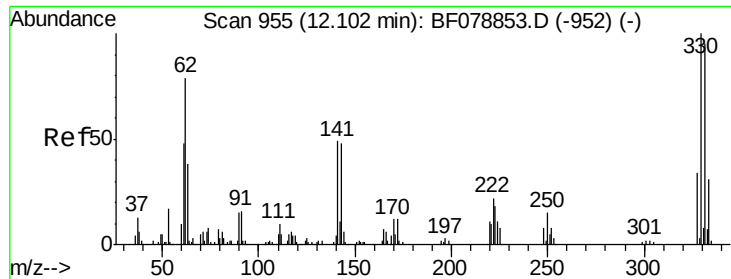
Delta R.T. 0.00 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Tgt Ion:	164	Resp:	145173
Ion Ratio		Lower	Upper
164	100		
162	98.9	81.4	122.0
160	45.0	36.6	54.8





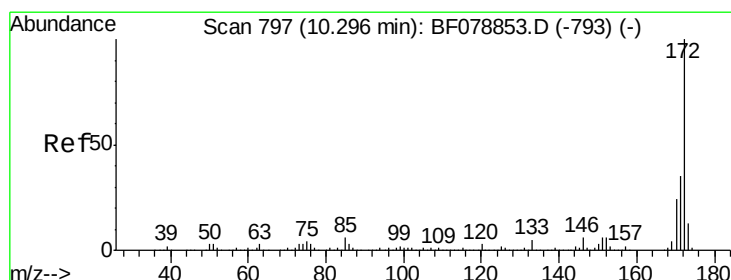
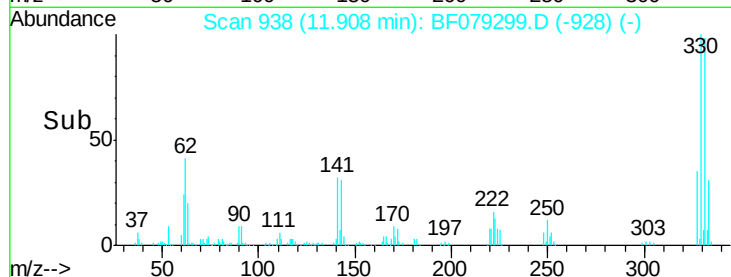
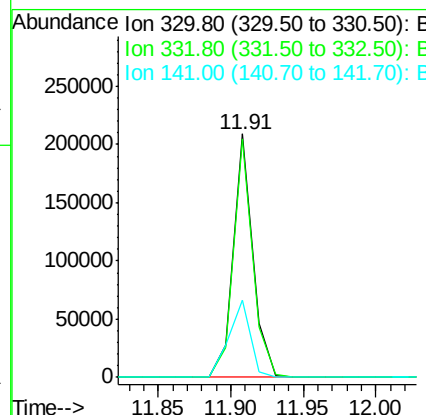
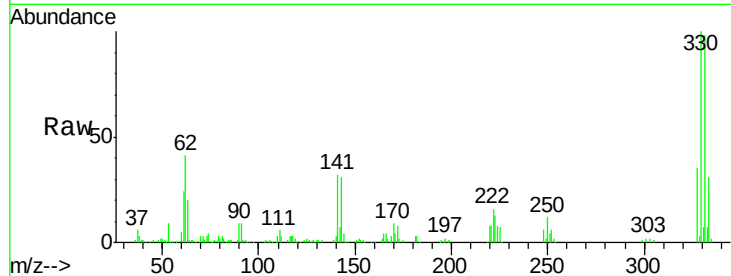
#41
 2,4,6-Tribromophenol
 Concen: 125.36 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampled :
 SR-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	196883		
332	97.1	76.9	115.3	
141	35.3	27.8	41.8	

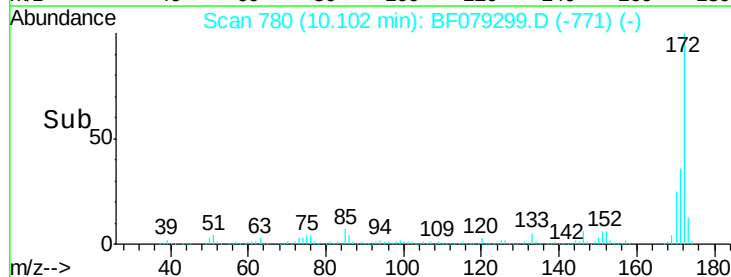
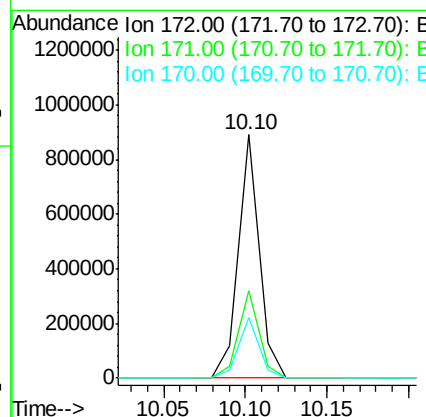
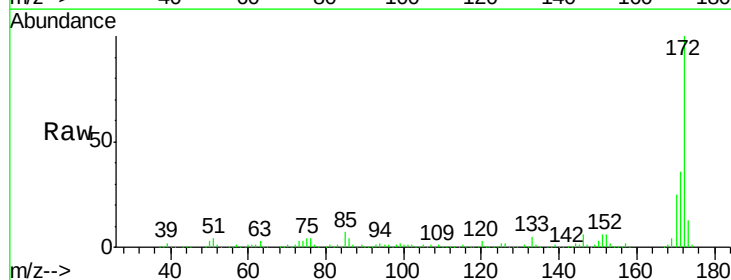
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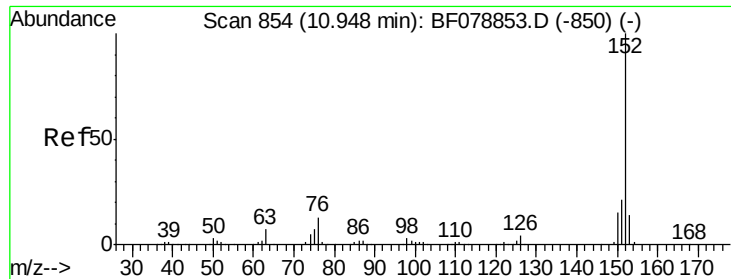
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#44
 2-Fluorobiphenyl
 Concen: 75.16 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	783182		
171	35.8	28.3	42.5	
170	24.7	19.4	29.2	





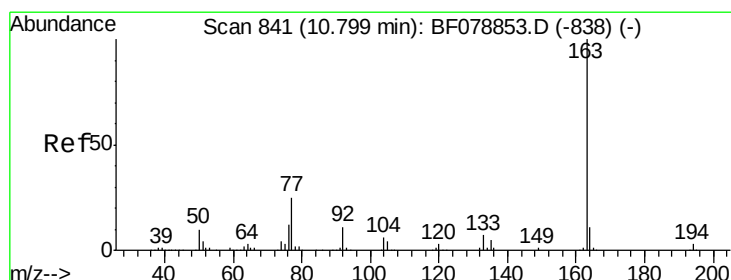
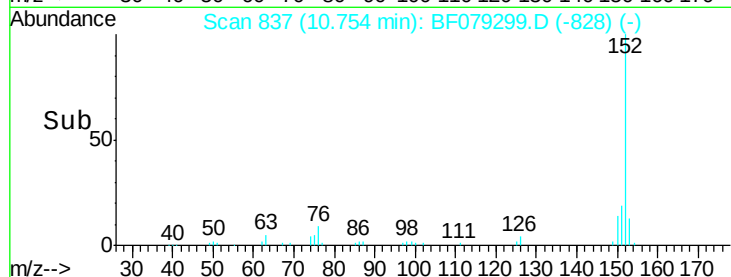
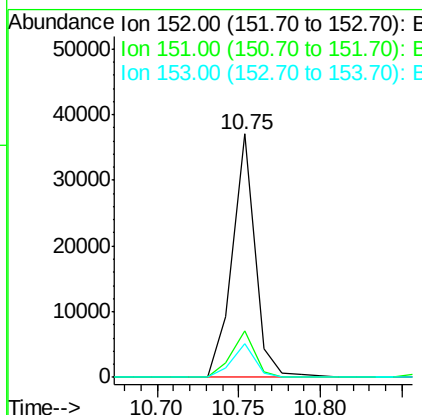
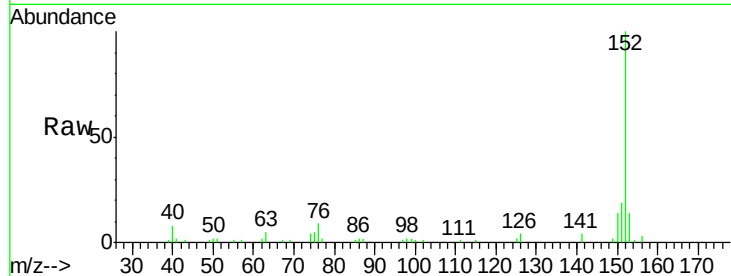
#48
Acenaphthylene
Concen: 2.42 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Instrument :
BNA_F
ClientSampled :
SR-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		35759		
151	19.4		16.6	24.8	
153	13.6		11.0	16.6	

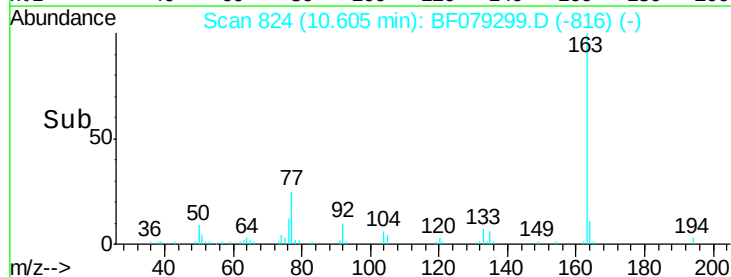
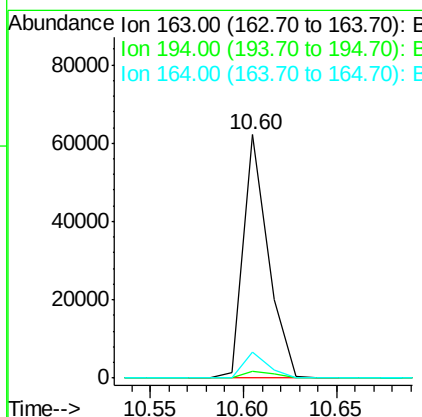
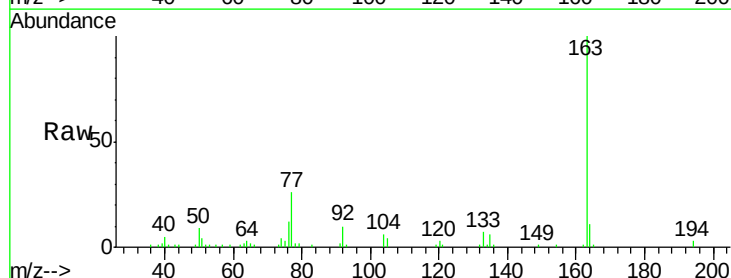
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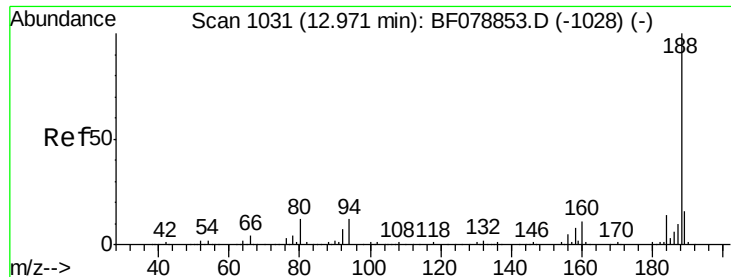
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#49
Dimethylphthalate
Concen: 5.42 ng
RT: 10.60 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		57702		
194	3.0		2.4	3.6	
164	10.8		8.6	12.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.77 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

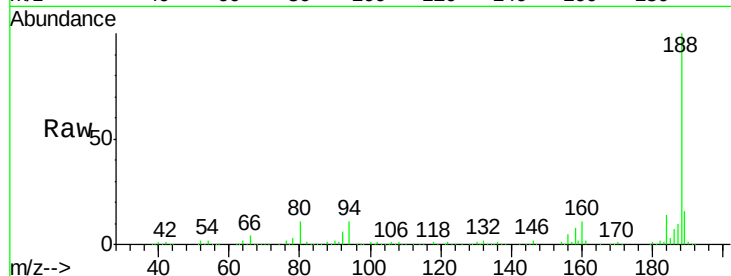
ClientSampleId :

SR-2

Tot Ion:	188	Resp:	264878
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.4	14.0
80	11.2	9.8	14.6

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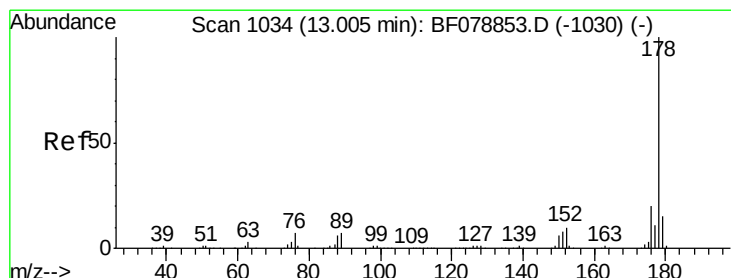
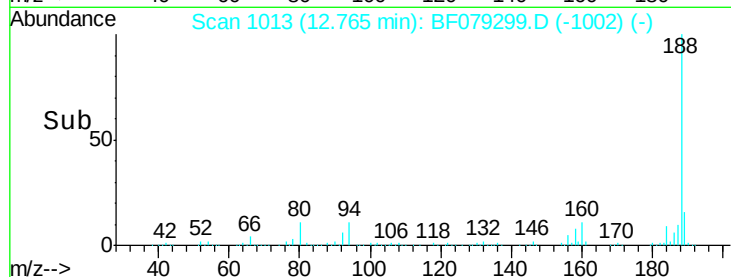
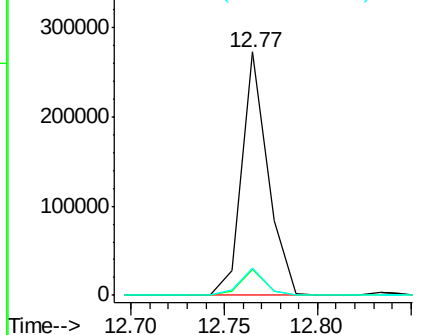
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 17.12 ng

RT: 12.80 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF079299.D

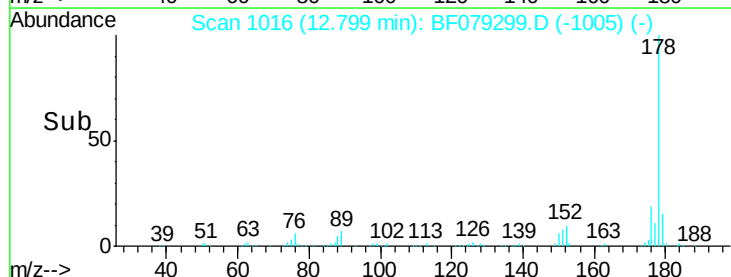
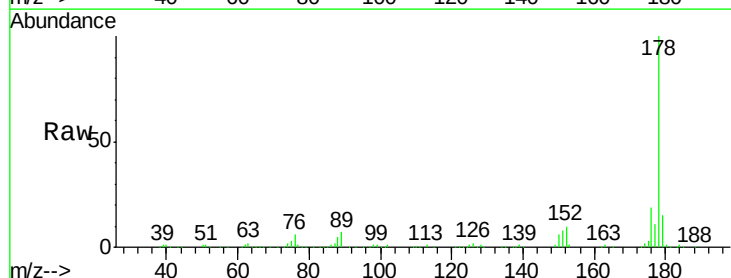
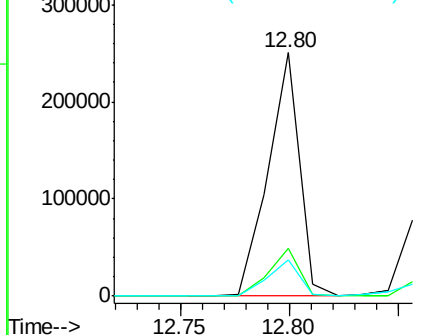
Acq: 16 May 2015 7:43

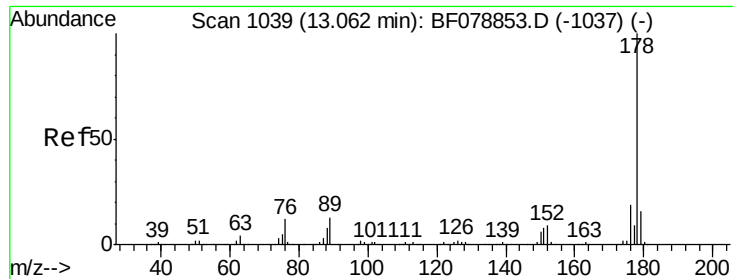
Tgt Ion:	178	Resp:	253644
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.9	23.9
179	15.0	12.2	18.4

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





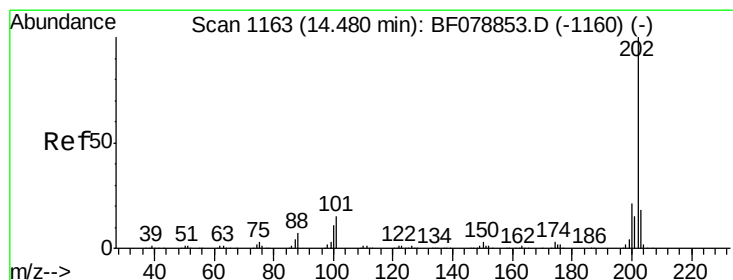
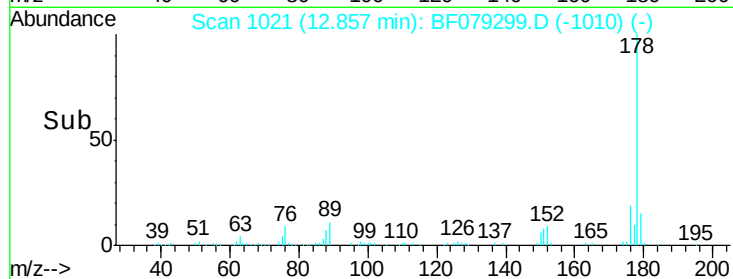
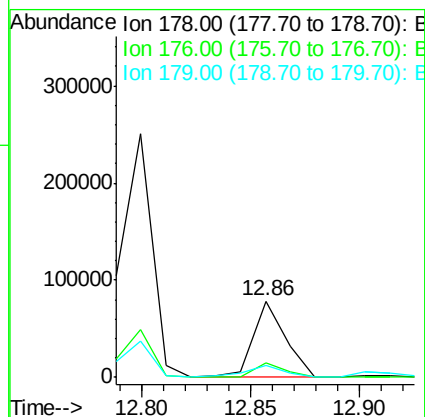
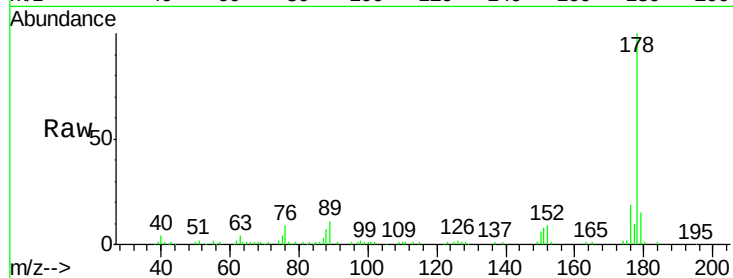
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 Anthracene
 Concen: 5.48 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampleId :
 SR-2

Tot Ion:	178	Resp:	79640
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	15.3	12.6	19.0

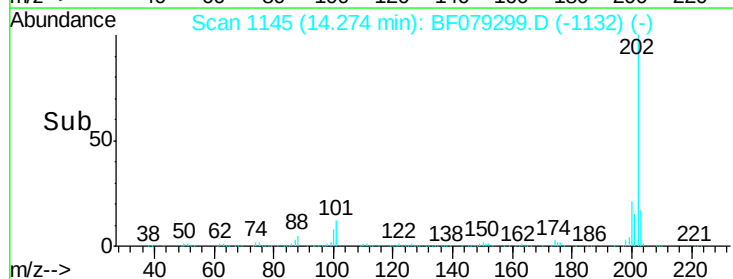
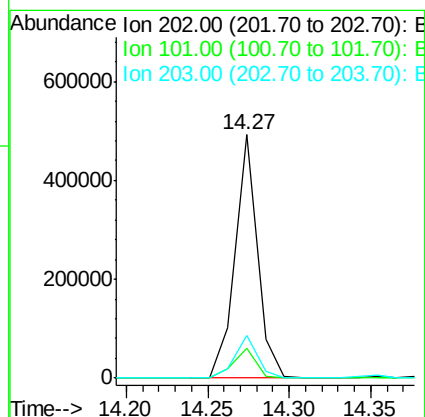
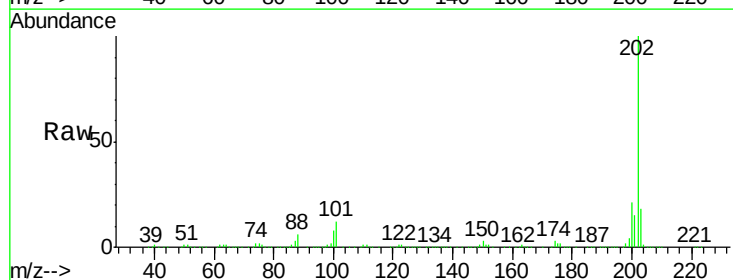
Manual Integrations
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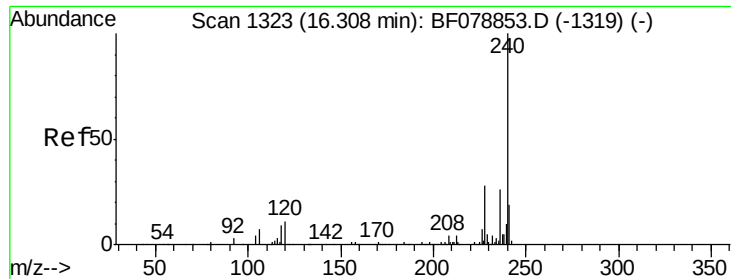
apatel
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#74
 Fluoranthene
 Concen: 30.09 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion:	202	Resp:	464575
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.7
203	17.5	0.0	37.9





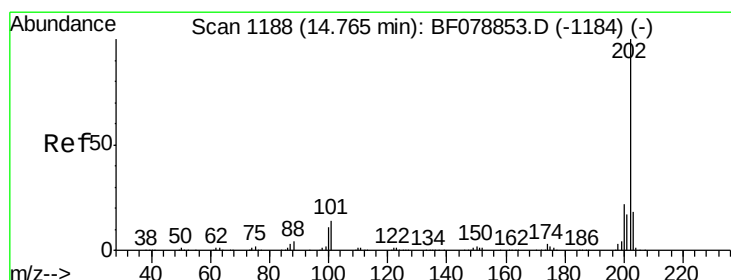
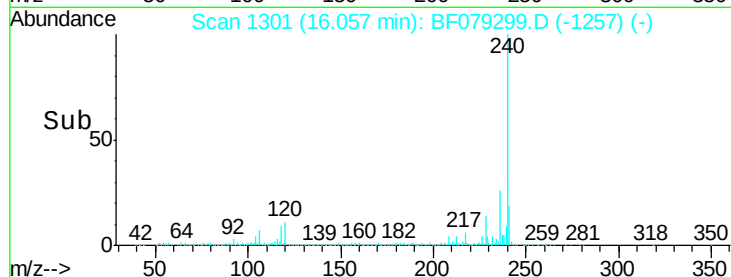
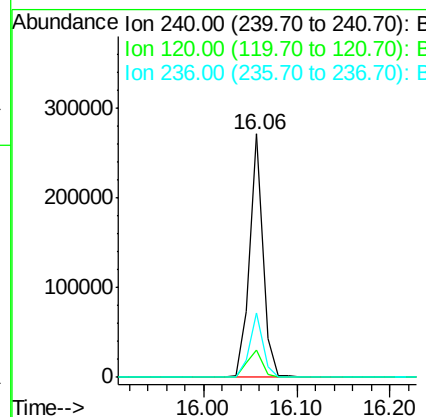
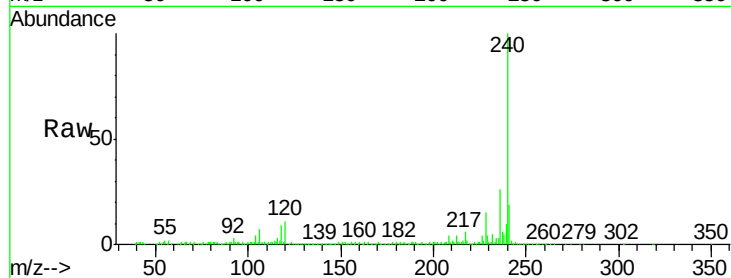
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.06 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Instrument :
BNA_F
ClientSampleId :
SR-2

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	8.6	12.8
236	26.5	21.0	31.6

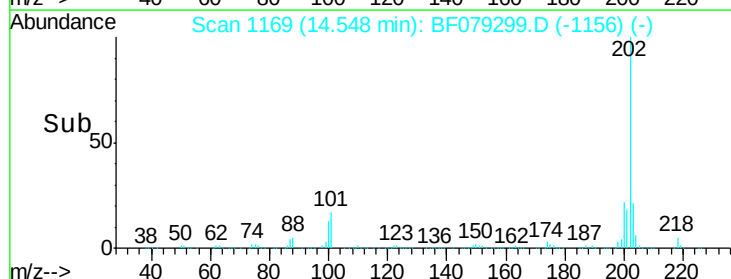
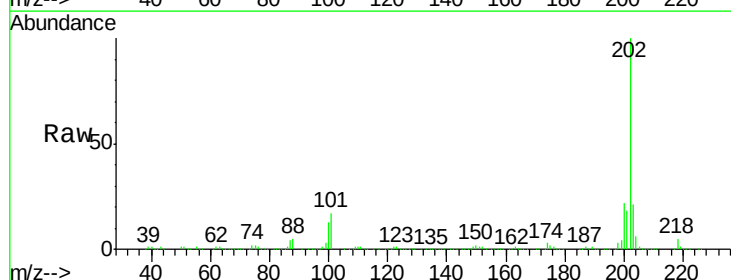
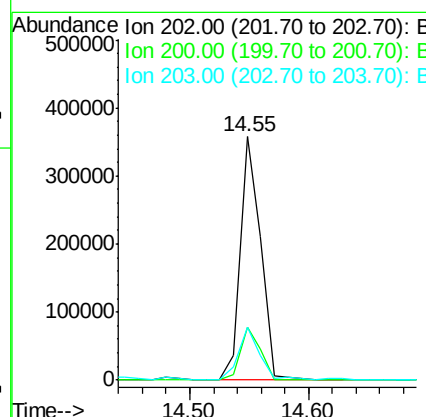
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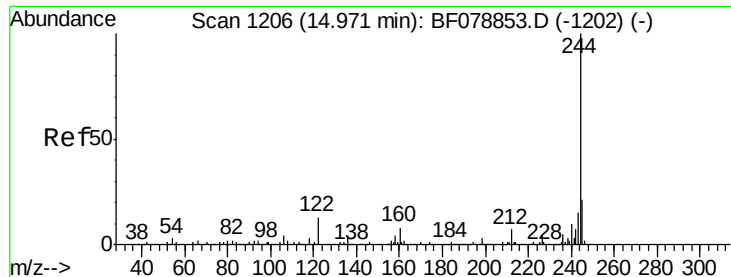
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#77
Pyrene
Concen: 26.81 ng
RT: 14.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.5	26.3
203	21.5	14.7	22.1





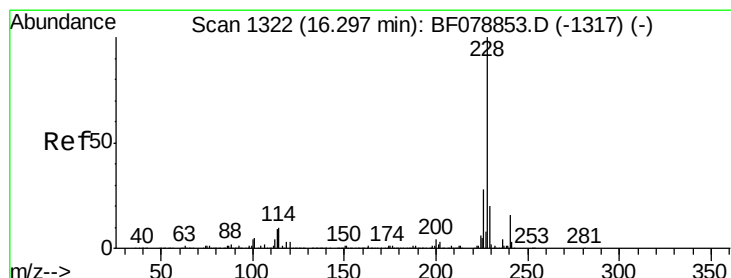
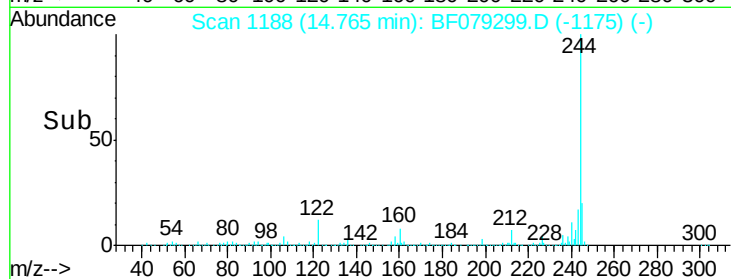
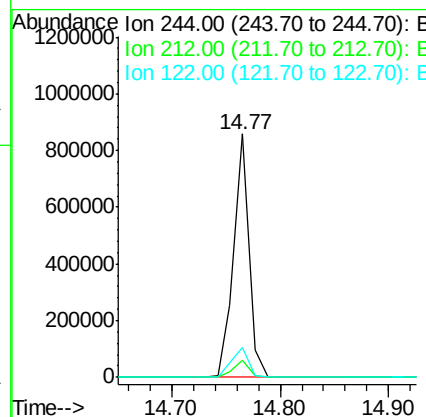
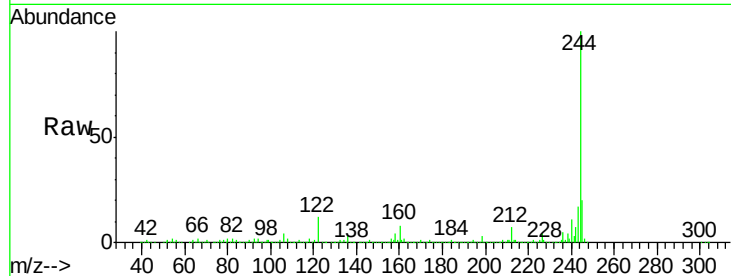
#78
 Terphenyl-d14
 Concen: 73.68 ng
 RT: 14.77 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampled :
 SR-2

Tot Ion:	244	Resp:	839670
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	12.3	10.5	15.7

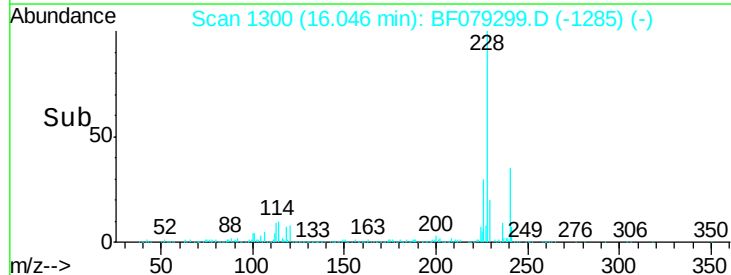
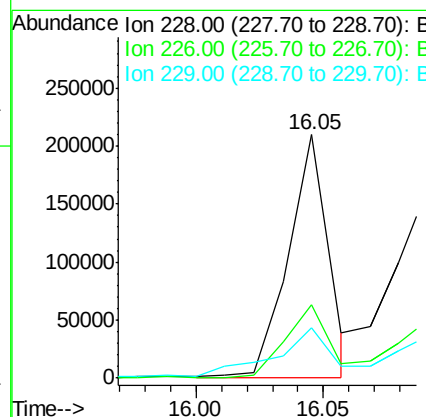
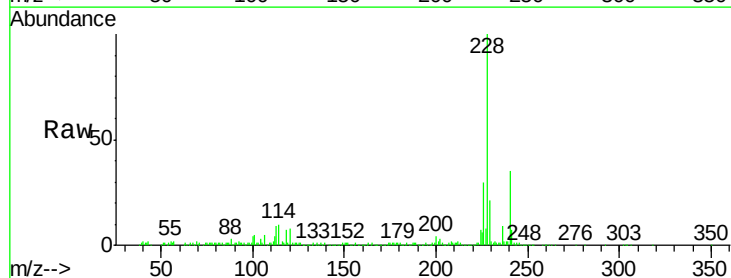
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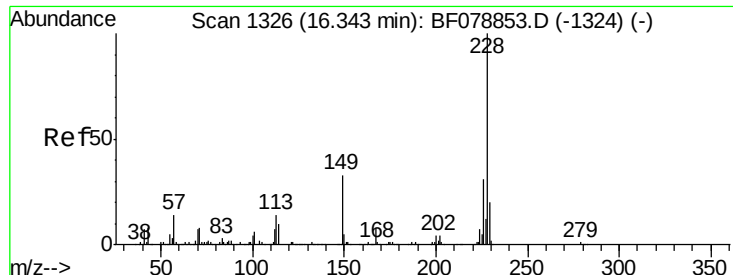
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#80
 Benzo(a)anthracene
 Concen: 15.60 ng m
 RT: 16.05 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion:	228	Resp:	233016
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.3	33.5
229	20.8	16.1	24.1





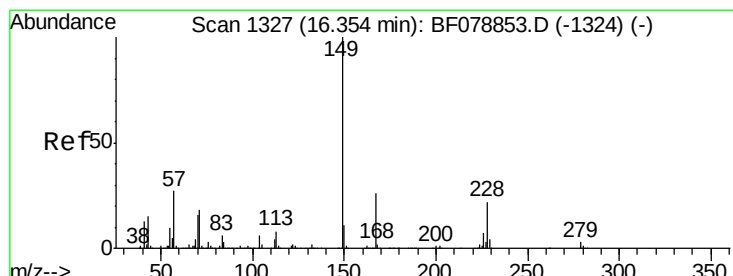
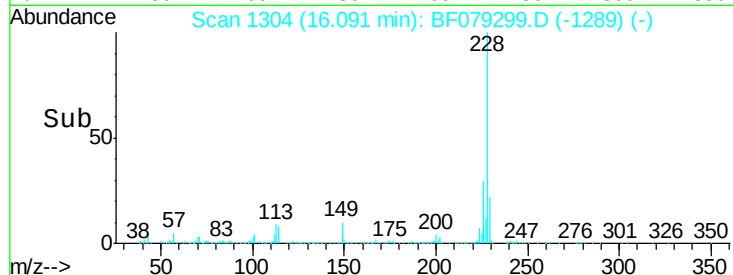
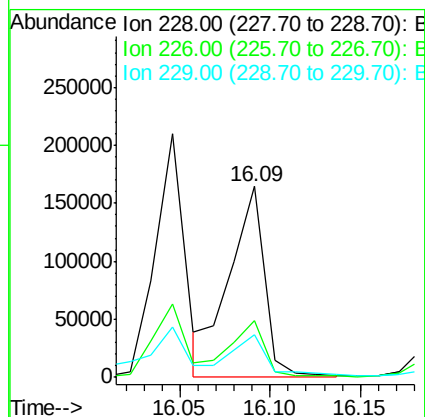
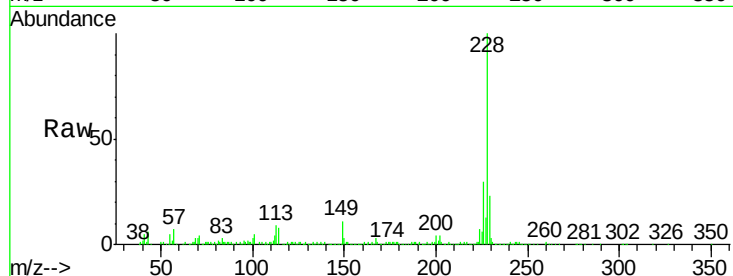
#82
 Chrysene
 Concen: 15.73 ng/ml
 RT: 16.09 min Scan# 1304
 Delta R.T. 0.01 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampleId :
 SR-2

Tot Ion:	228	Resp:	226085
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.8	37.2
229	22.5	16.1	24.1

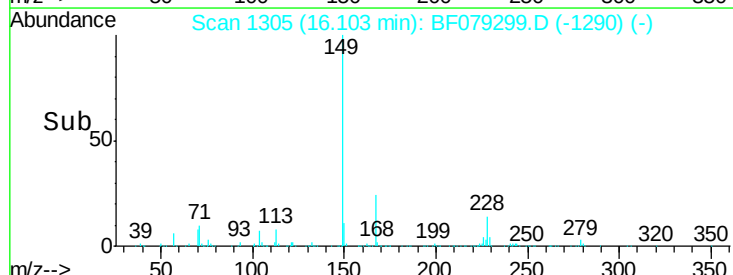
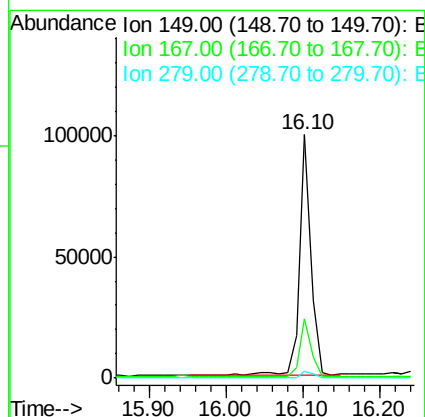
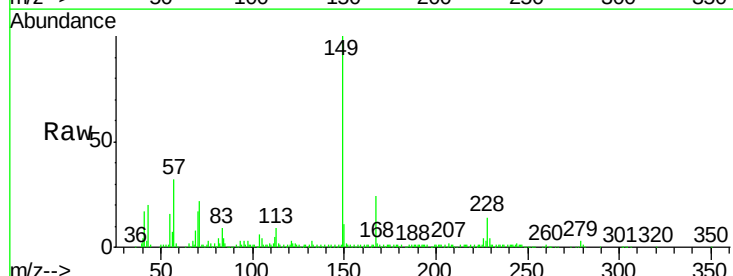
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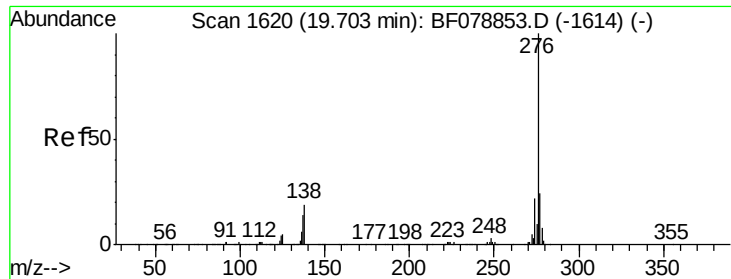
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.30 ng
 RT: 16.10 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion:	149	Resp:	107178
Ion Ratio	Lower	Upper	
149	100		
167	24.3	21.2	31.8
279	2.7	2.6	4.0





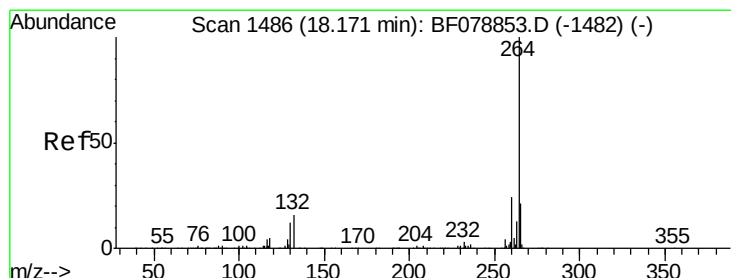
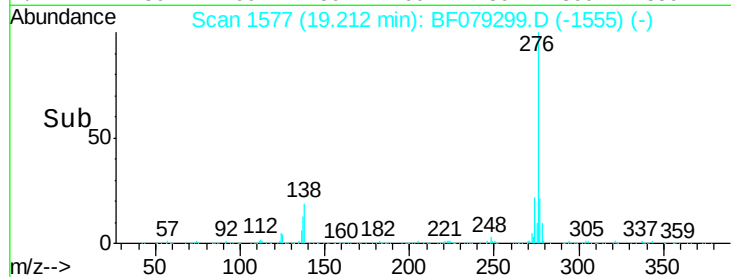
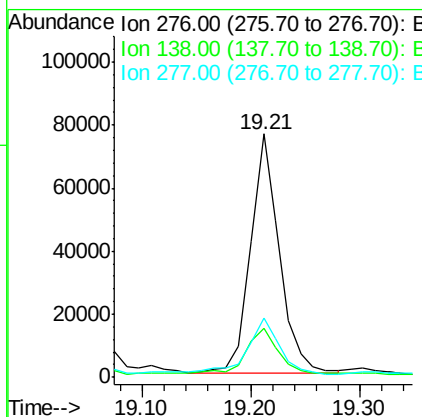
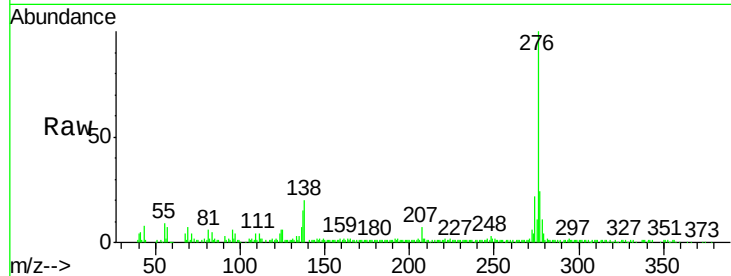
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.62 ng
 RT: 19.21 min Scan# 1577
 Delta R.T. 0.05 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampled :
 SR-2

Tot Ion:	276	Resp:	139491
Ion Ratio	Lower	Upper	
276	100		
138	22.7	21.1	31.7
277	27.9	19.9	29.9

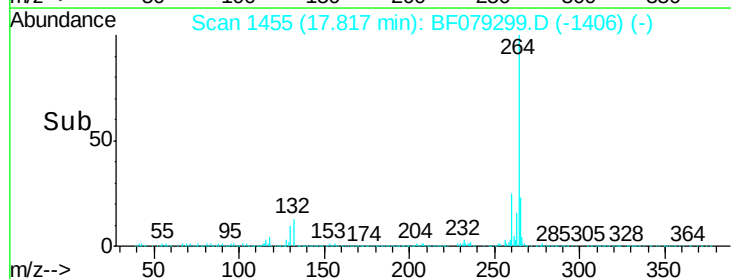
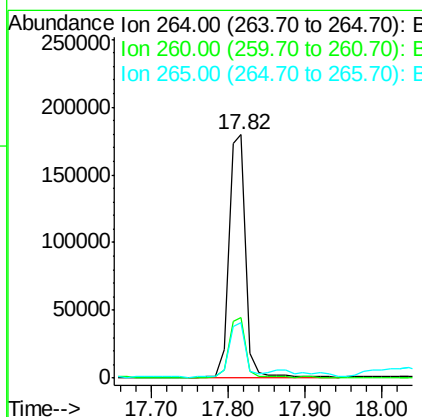
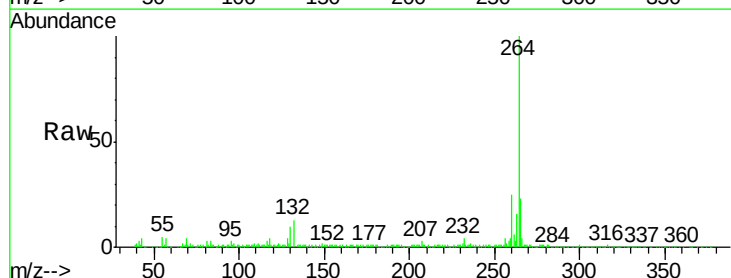
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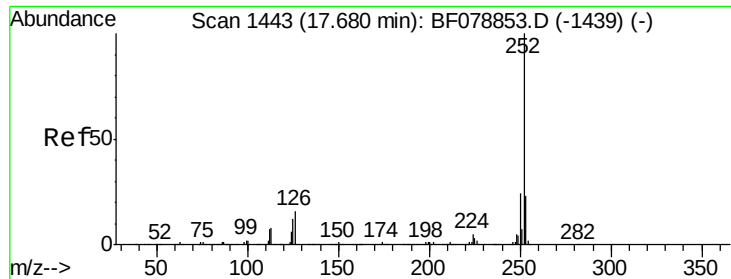
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.82 min Scan# 1455
 Delta R.T. 0.06 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion:	264	Resp:	279042
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	23.0	17.2	25.8





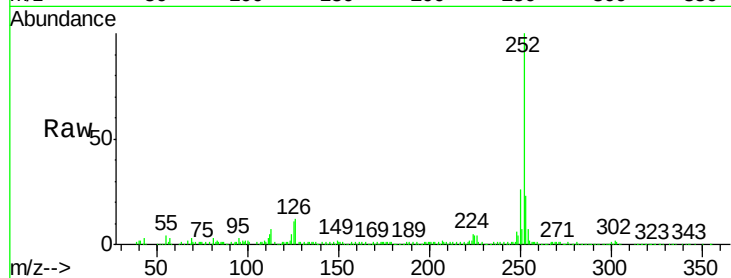
#87
Benzo(b)fluoranthene
Concen: 17.90 ng m
RT: 17.36 min Scan# 1415
Delta R.T. 0.03 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Instrument :
BNA_F
ClientSampled :
SR-2

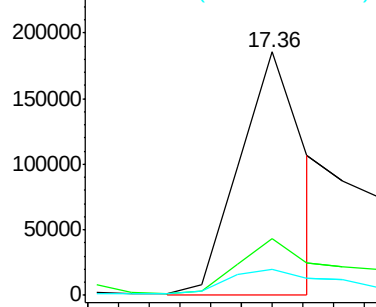
Tot Ion:	252	Resp:	273407
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	10.9	9.4	14.2

Manual Integrations
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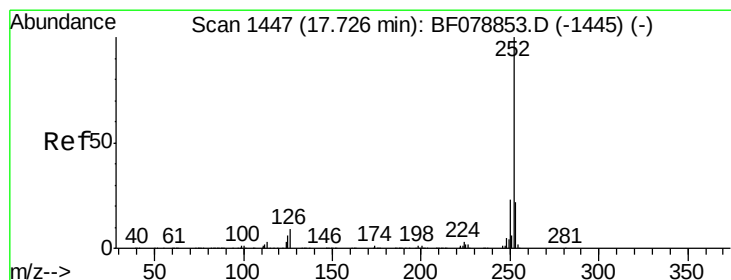
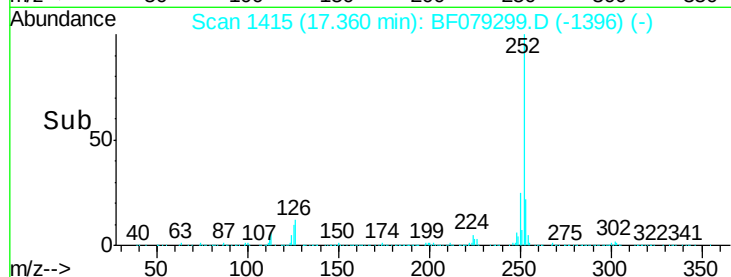
apatel
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



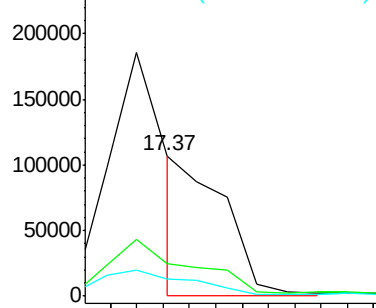
Time--> 17.30 17.35



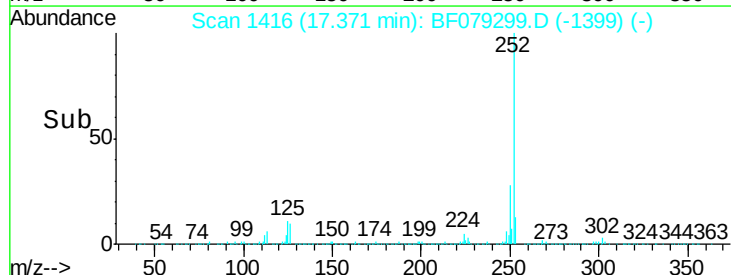
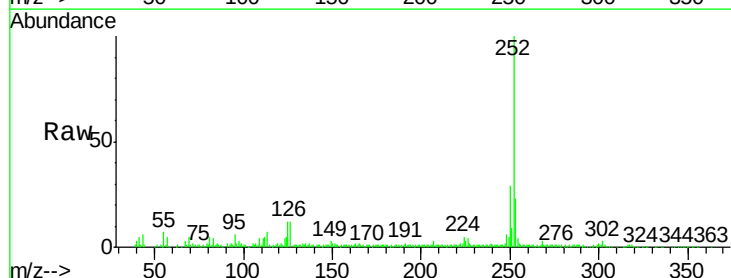
#88
Benzo(k)fluoranthene
Concen: 8.25 ng m
RT: 17.37 min Scan# 1416
Delta R.T. 0.01 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

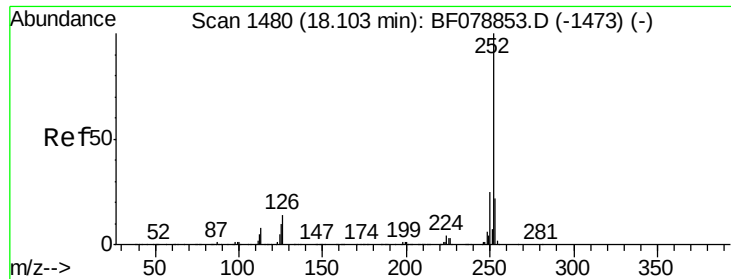
Tgt Ion:	252	Resp:	121934
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	12.0	6.1	9.1#

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



Time--> 17.35 17.40





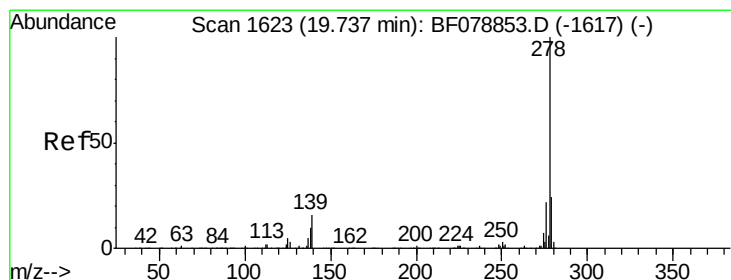
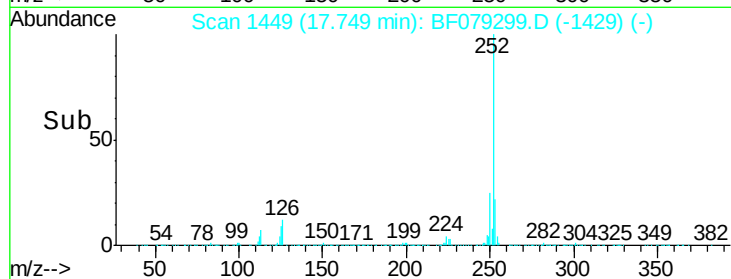
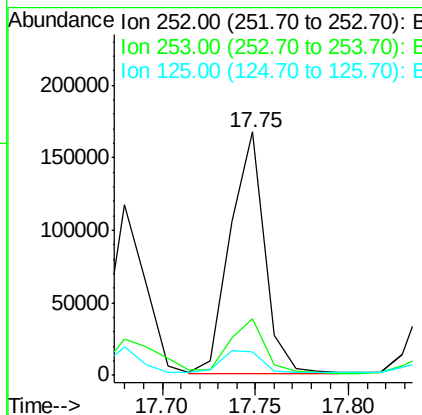
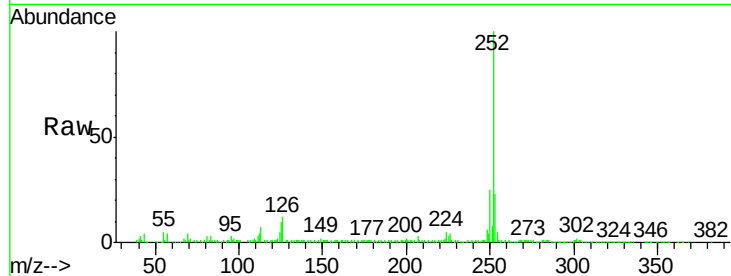
#89
Benzo(a)pyrene
Concen: 15.14 ng
RT: 17.75 min Scan# 1449
Delta R.T. 0.05 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Instrument :
BNA_F
ClientSampled :
SR-2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	18.0	27.0
125	9.5	8.2	12.2

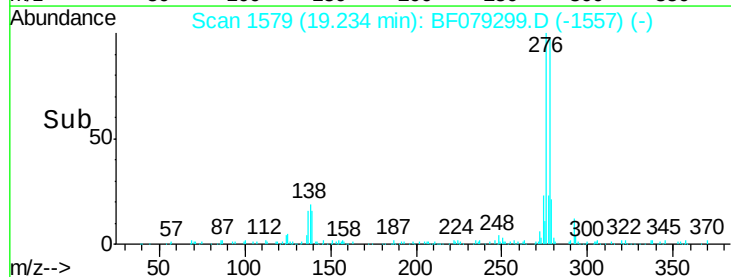
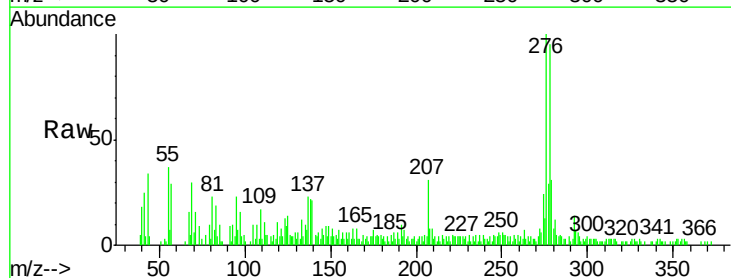
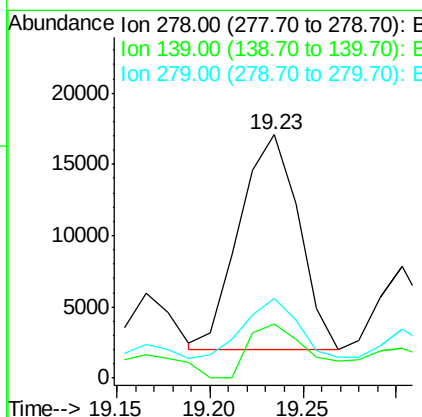
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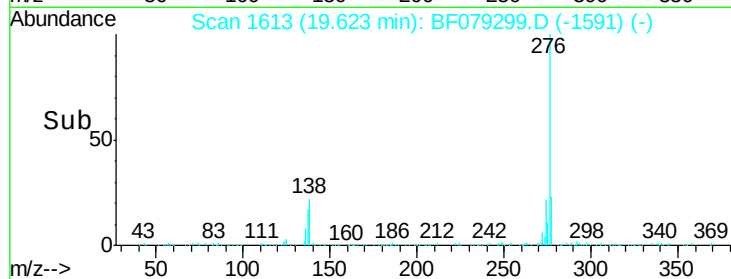
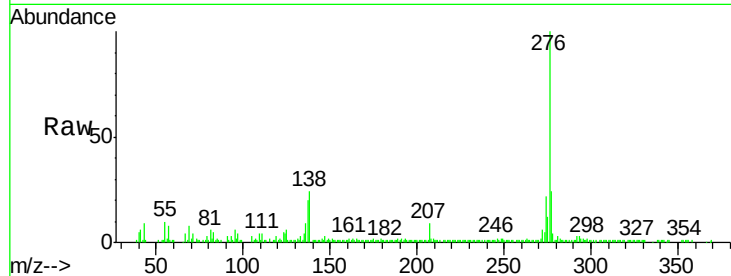
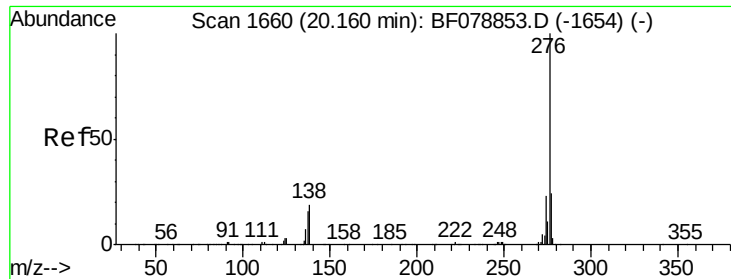
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#90
Dibenzo(a,h)anthracene
Concen: 2.22 ng
RT: 19.23 min Scan# 1579
Delta R.T. 0.05 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	22.0	13.1	19.7#
279	32.8	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 8.88 ng

RT: 19.62 min Scan# 1613

Delta R.T. 0.05 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampleId :

SR-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	23.8	15.2	22.8

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