

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033015\
 Data File : BF078103.D
 Acq On : 31 Mar 2015 4:38
 Operator : TP/IZ
 Sample : G1667-21RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

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Quant Time: Mar 31 06:45:04 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 28 05:37:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.06	152	42341	20.00	ng	-0.01
21) Naphthalene-d8	8.64	136	174774	20.00	ng	-0.01
38) Acenaphthene-d10	10.81	164	84144	20.00	ng	-0.01
63) Phenanthrene-d10	12.65	188	169375	20.00	ng	-0.01
75) Chrysene-d12	15.93	240	191742	20.00	ng	0.00
86) Perylene-d12	17.69	264	190453	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	48303	19.91	ng	-0.02
7) Phenol-d6	6.65	99	55305	18.45	ng	-0.02
23) Nitrobenzene-d5	7.76	82	38702	14.52	ng	-0.02
41) 2,4,6-Tribromophenol	11.79	330	27432	34.07	ng	-0.01
44) 2-Fluorobiphenyl	9.98	172	124957	21.82	ng	-0.01
78) Terphenyl-d14	14.64	244	278947	35.54	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.67	178	22495	2.31	ng	99
74) Fluoranthene	14.15	202	58804	5.48	ng	96
77) Pyrene	14.42	202	56073	4.65	ng	# 95
80) Benzo(a)anthracene	15.92	228	35891	3.16	ng	99
82) Chrysene	15.96	228	30822	3.02	ng	97
87) Benzo(b)fluoranthene	17.23	252	39939m	3.21	ng	
89) Benzo(a)pyrene	17.62	252	29783	2.87	ng	# 97

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

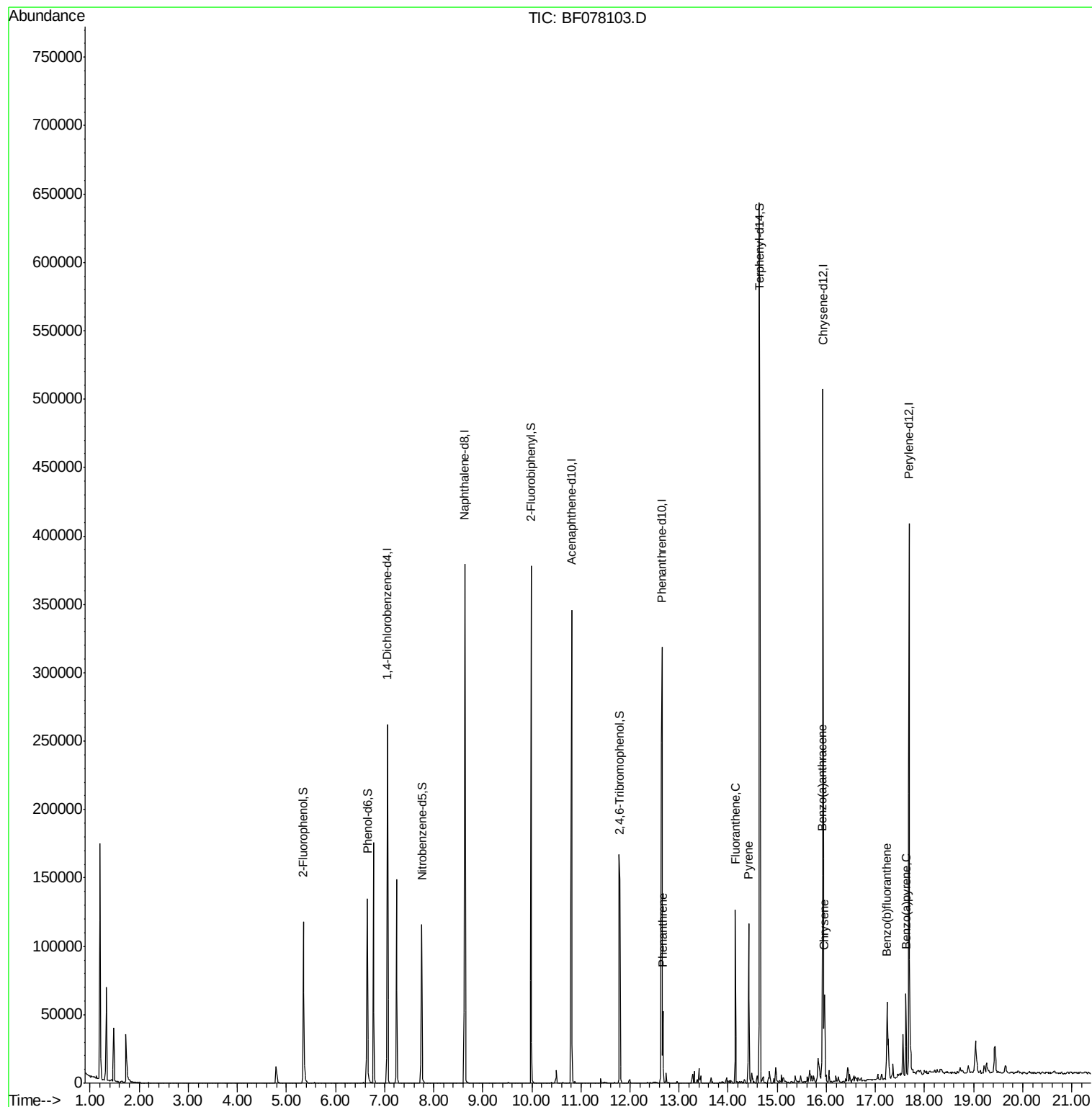
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033015\
Data File : BF078103.D
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Sample : G1667-21RE
Misc :
ALS Vial : 21 Sample Multiplier: 1

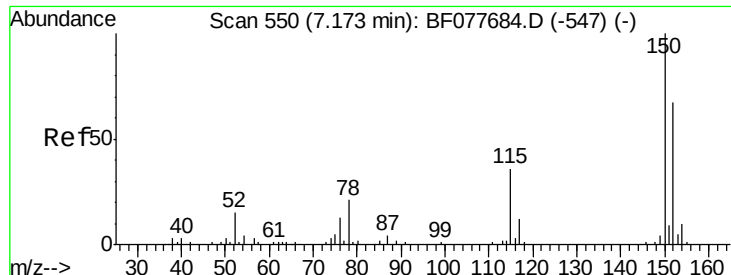
Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)RE

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Quant Time: Mar 31 06:45:04 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 28 05:37:34 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.06 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF078103.D

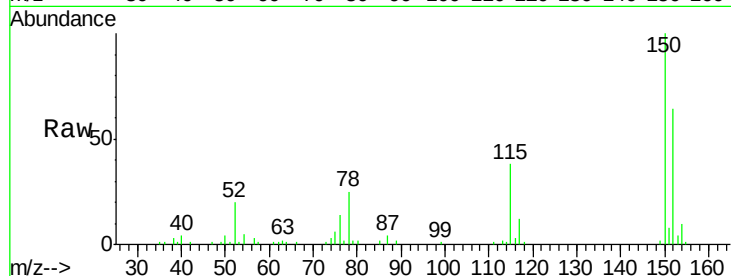
Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

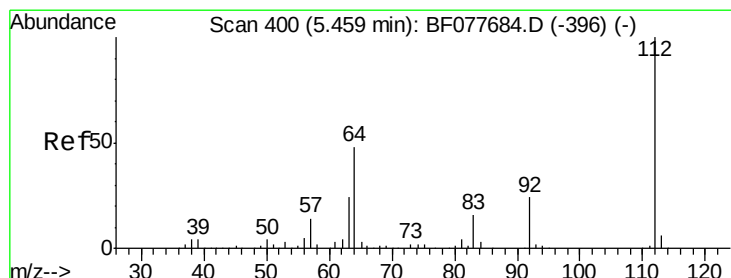
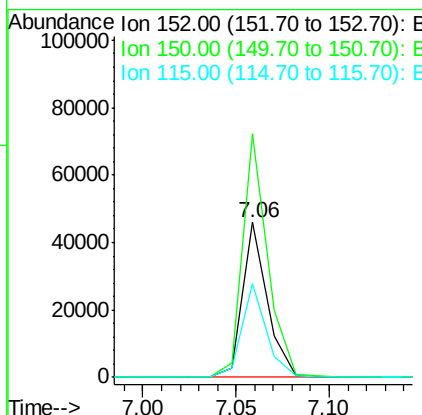
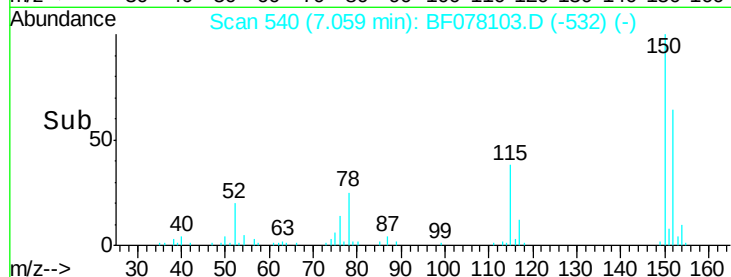
REC-7-1-4(1.5-2.0)RE



Tgt Ion:	152	Resp:	42341
Ion Ratio	Lower	Upper	
152	100		
150	157.2	119.5	179.3
115	60.5	43.0	64.4

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#5

2-Fluorophenol

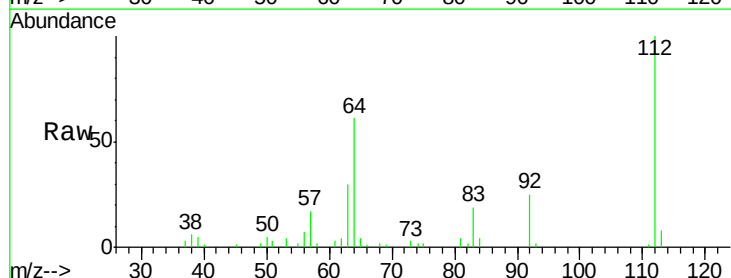
Concen: 19.91 ng

RT: 5.34 min Scan# 390

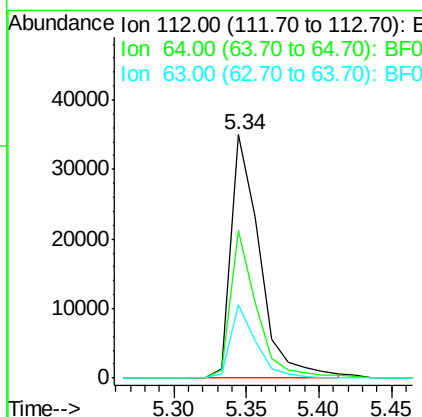
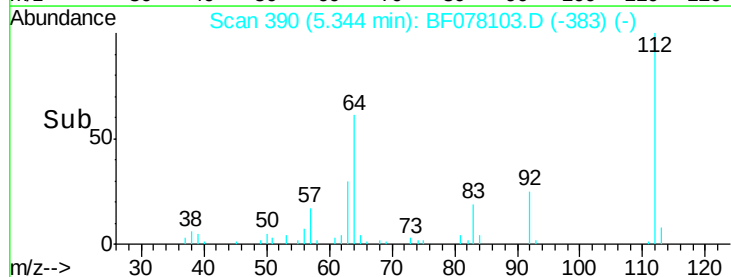
Delta R.T. -0.02 min

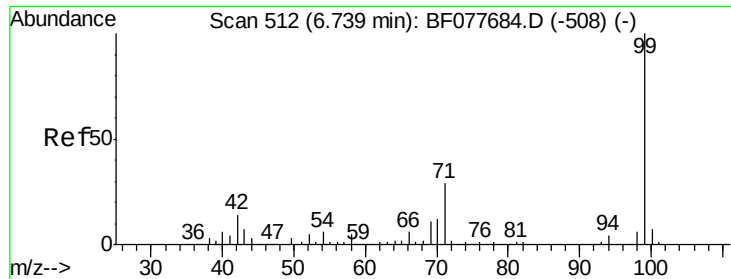
Lab File: BF078103.D

Acq: 31 Mar 2015 4:38



Tgt Ion:	112	Resp:	48303
Ion Ratio	Lower	Upper	
112	100		
64	60.7	38.6	57.8#
63	29.9	19.3	28.9#





#7

Phenol-d6

Concen: 18.45 ng

RT: 6.65 min Scan# 504

Delta R.T. -0.02 min

Lab File: BF078103.D

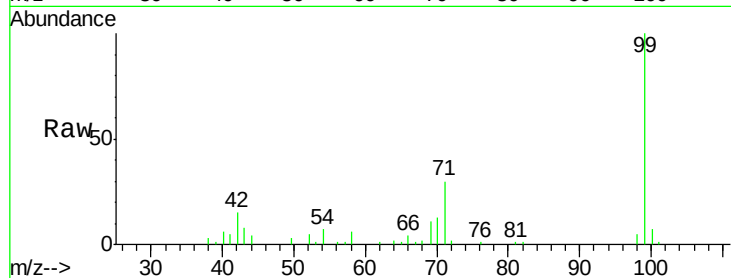
Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

ClientSampleId :

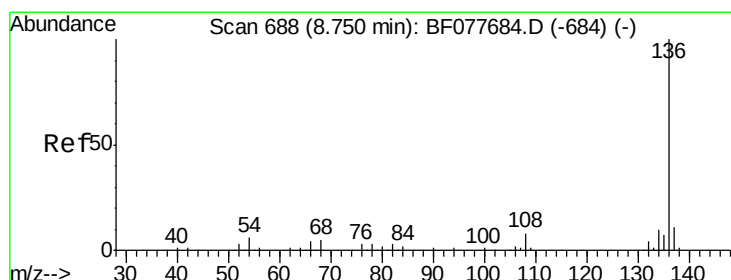
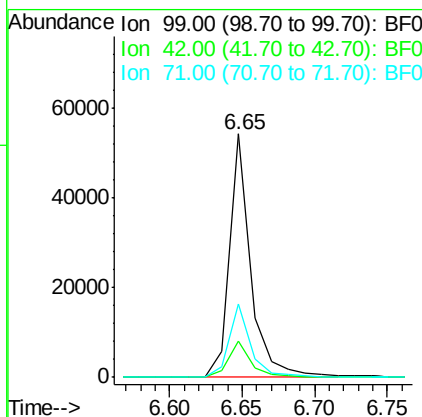
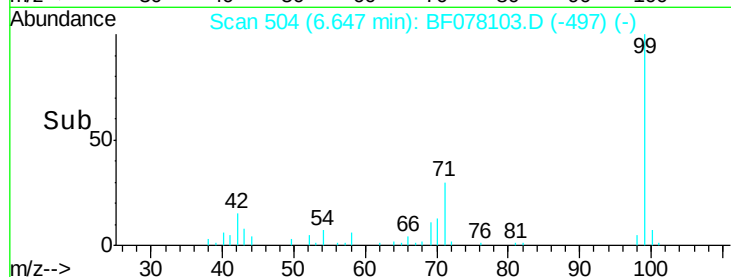
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Tgt Ion:	99	Resp:	55305
Ion Ratio	Lower	Upper	
99	100		
42	14.8	11.0	16.4
71	30.1	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

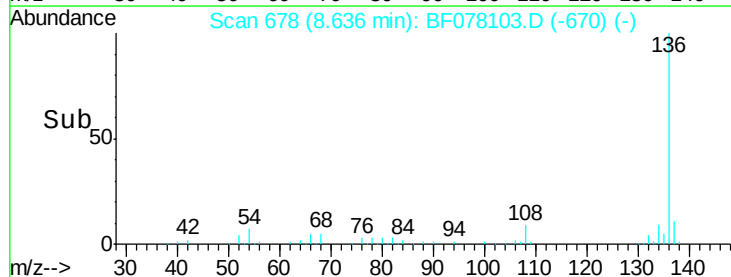
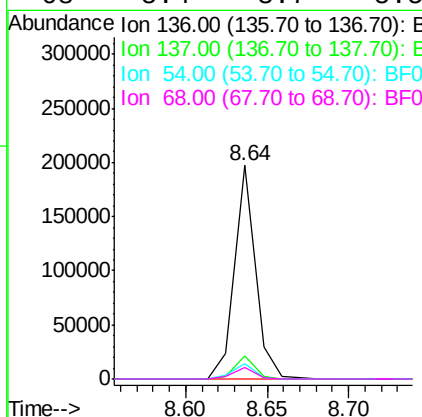
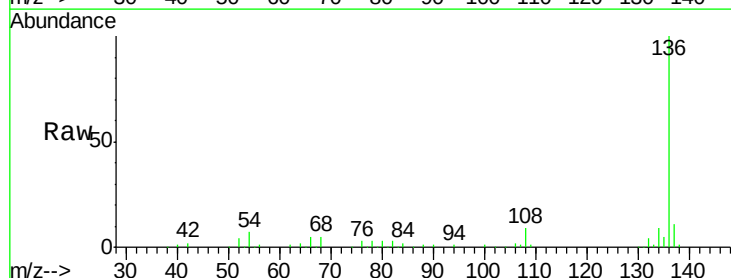
RT: 8.64 min Scan# 678

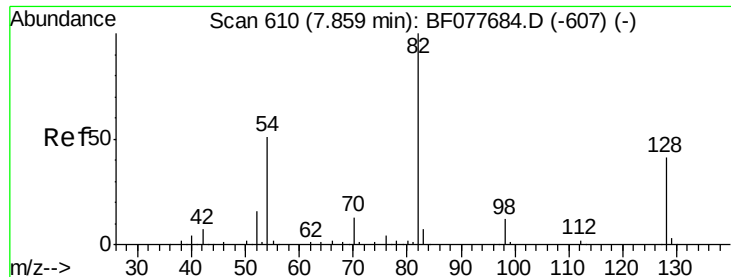
Delta R.T. -0.01 min

Lab File: BF078103.D

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Tgt Ion:	136	Resp:	174774
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	7.1	4.6	6.8
68	5.4	3.7	5.5





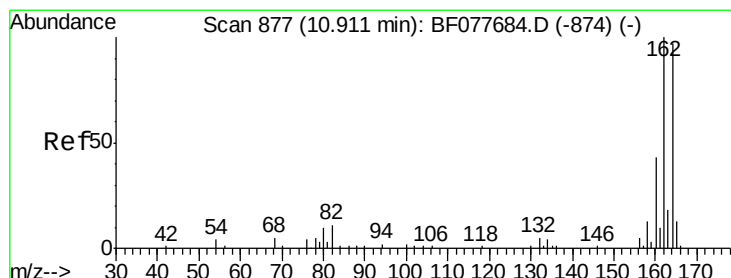
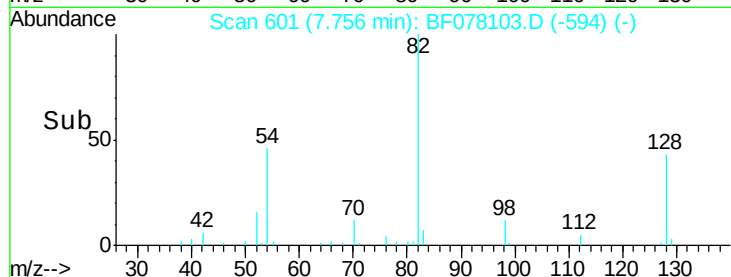
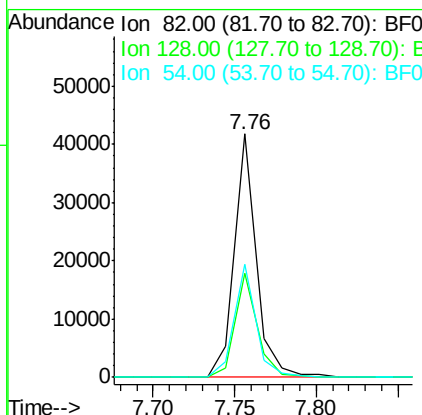
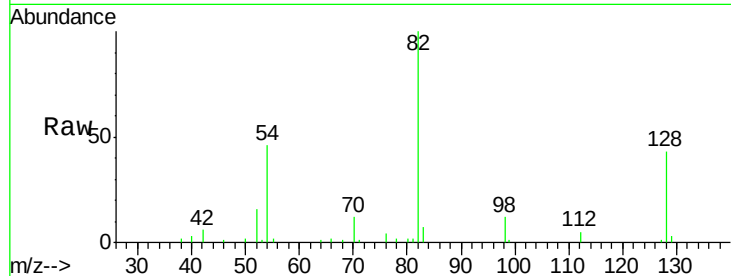
#23
 Nitrobenzene-d5
 Concen: 14.52 ng
 RT: 7.76 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.8	49.2
54	46.2	40.6	60.8

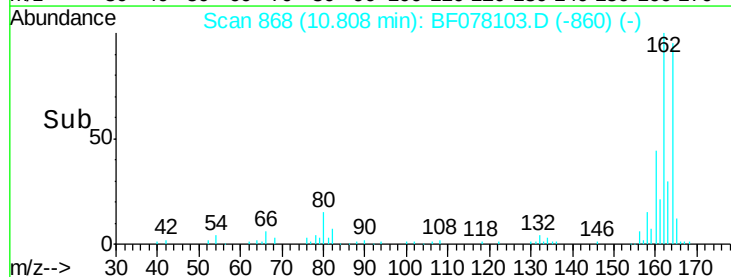
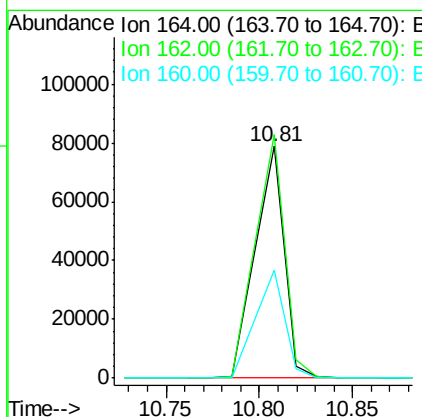
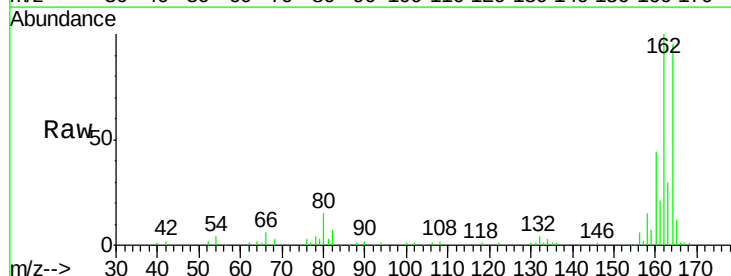
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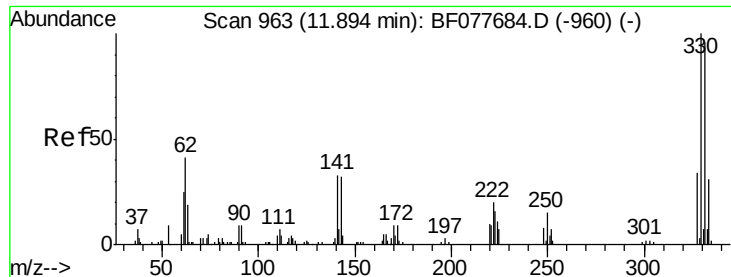
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.81 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.4	123.6
160	46.5	35.8	53.6





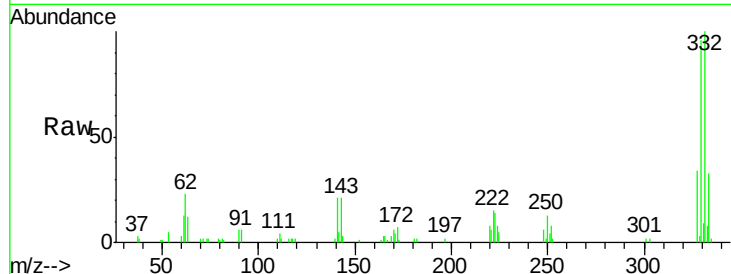
#41
 2,4,6-Tribromophenol
 Concen: 34.07 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

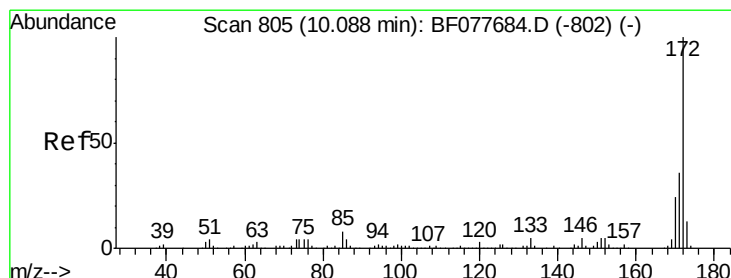
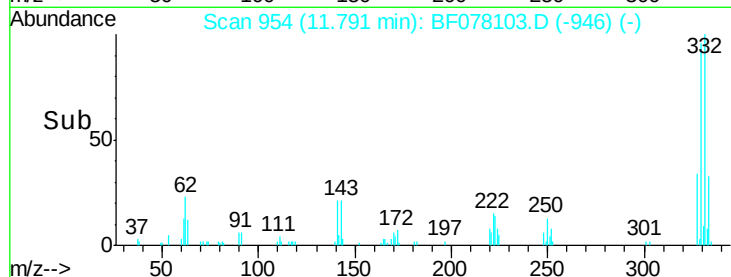
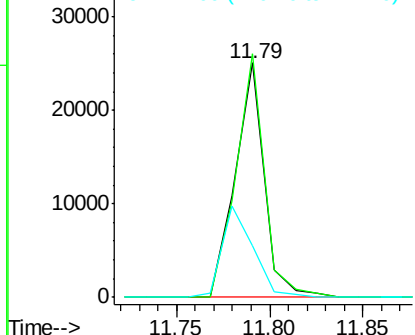
Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	101.3	0.0	0.0#
141	41.5	0.0	0.0#

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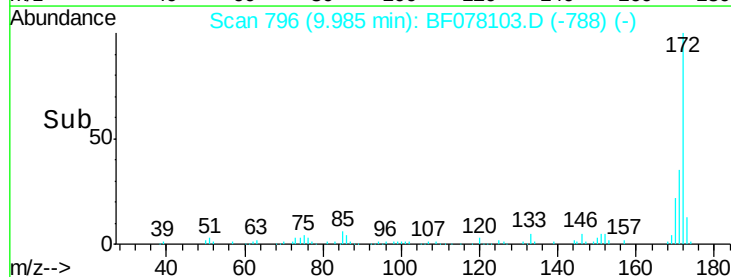
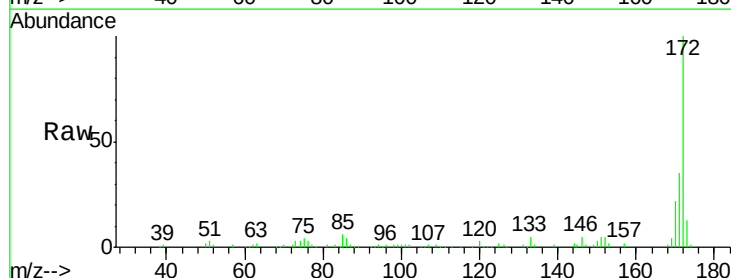
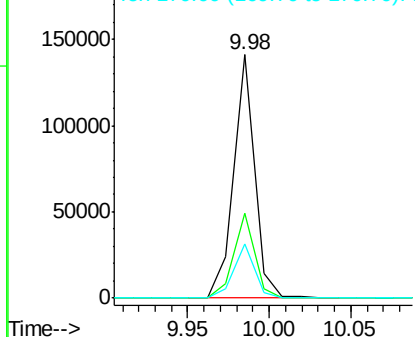
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

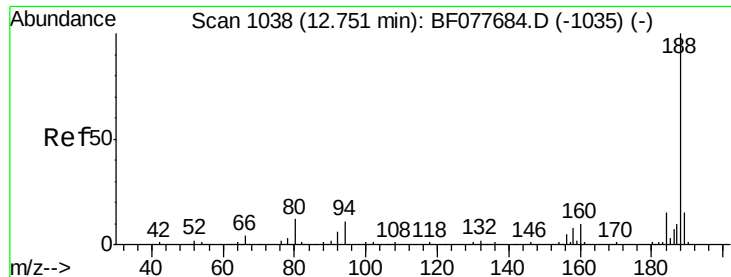


#44
 2-Fluorobiphenyl
 Concen: 21.82 ng
 RT: 9.98 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.1	28.5	42.7
170	22.4	18.8	28.2

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





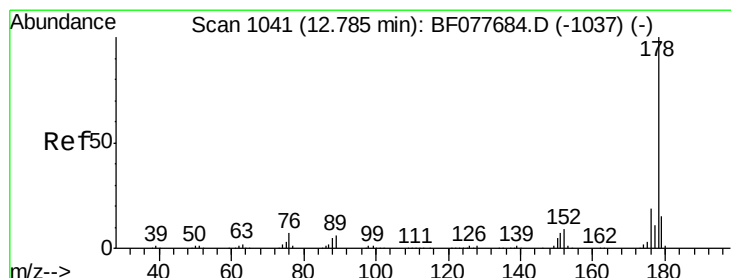
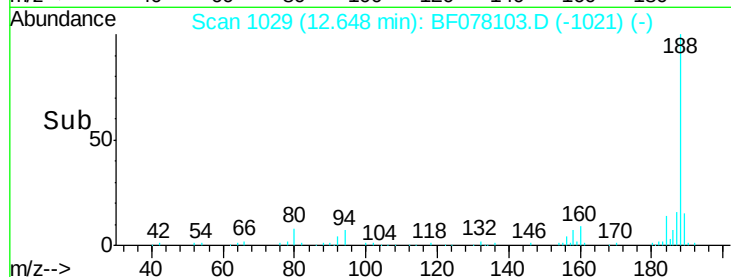
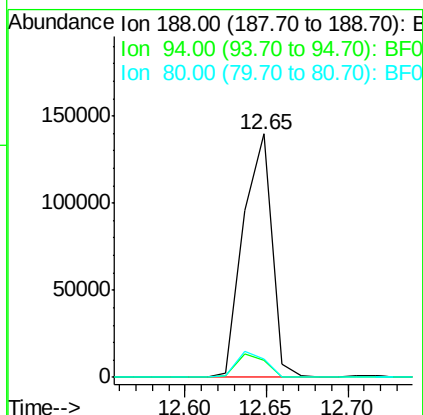
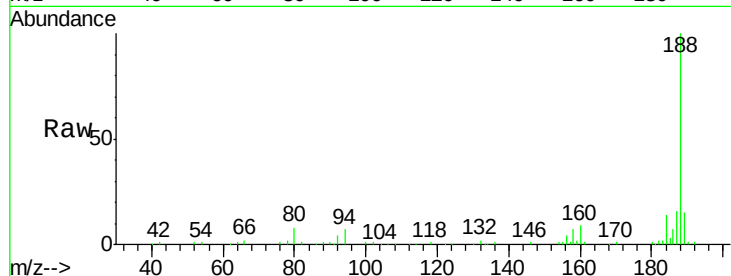
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.65 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.0	8.7	13.1#
80	7.5	9.3	13.9#

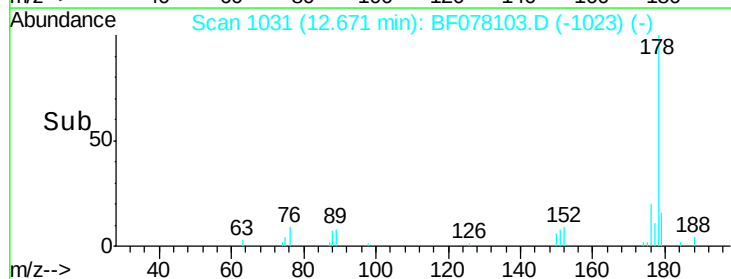
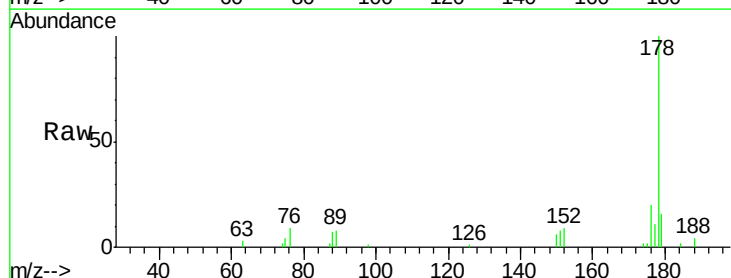
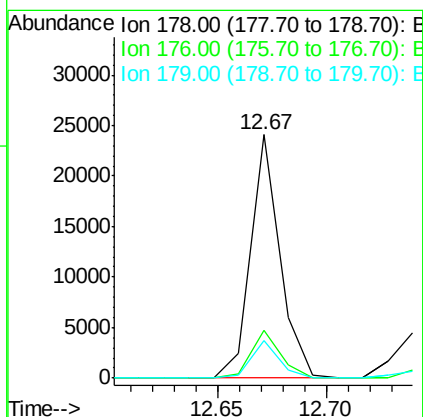
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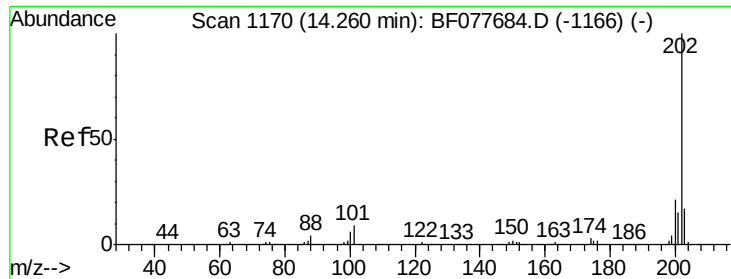
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#70
 Phenanthrene
 Concen: 2.31 ng
 RT: 12.67 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	15.2	22.8
179	15.6	12.1	18.1





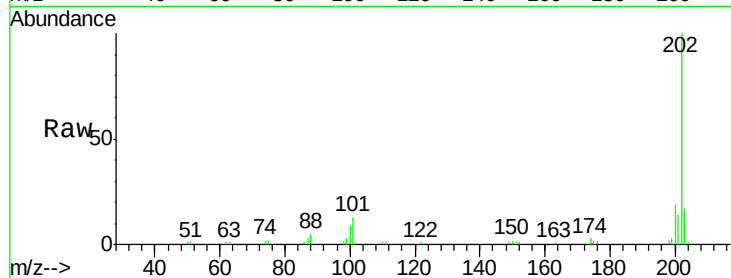
#74
Fluoranthene
Concen: 5.48 ng
RT: 14.15 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)RE

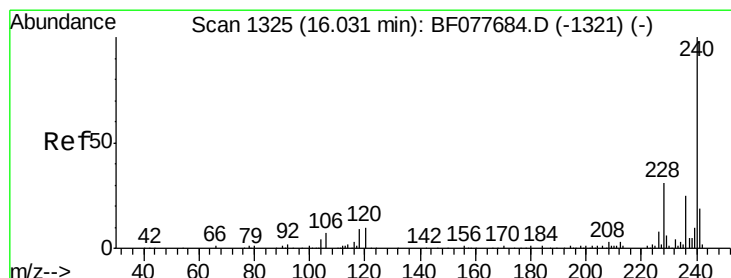
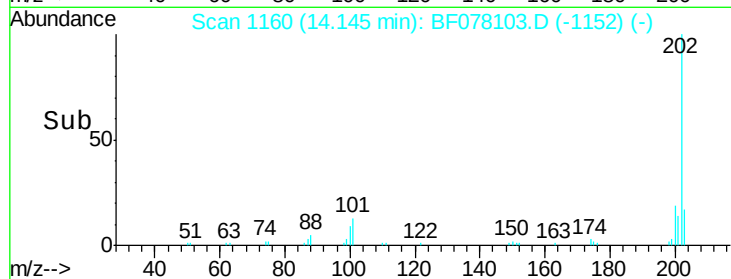
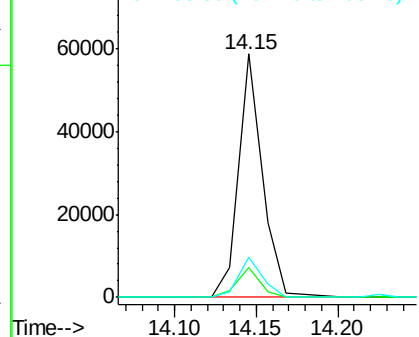
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.5	0.0	28.7
203	16.6	0.0	37.2

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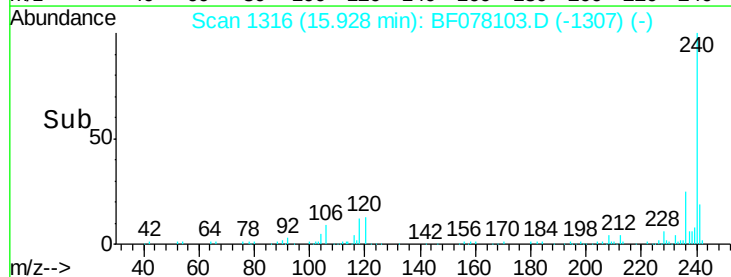
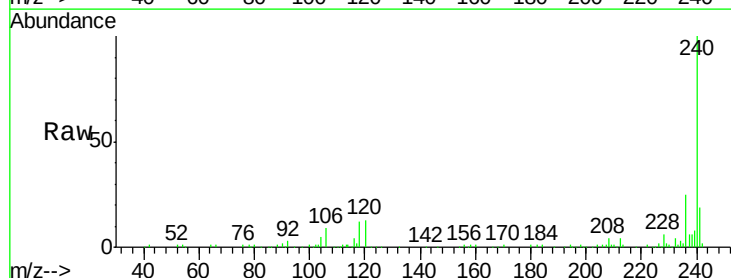
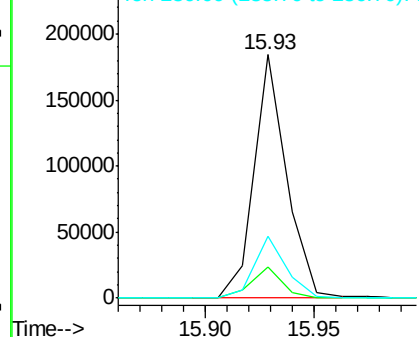
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

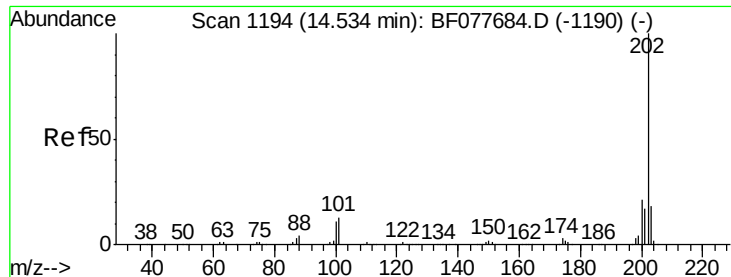


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.93 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.8	8.2	12.2#
236	25.2	20.0	30.0

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: 4.65 ng

RT: 14.42 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF078103.D

Acq: 31 Mar 2015 4:38

Instrument :

BNA_F

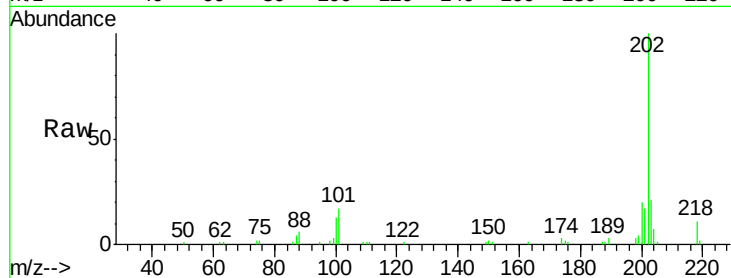
ClientSampleId :

REC-7-1-4(1.5-2.0)RE

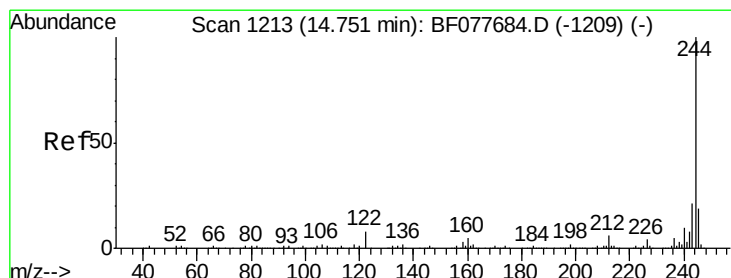
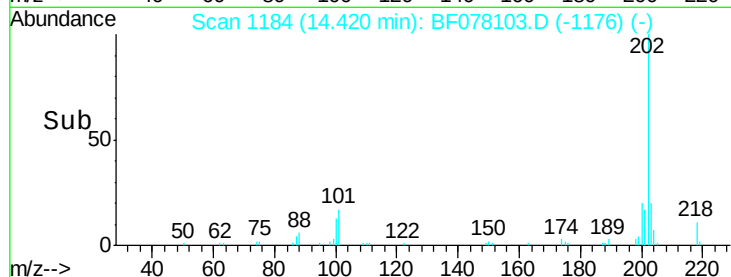
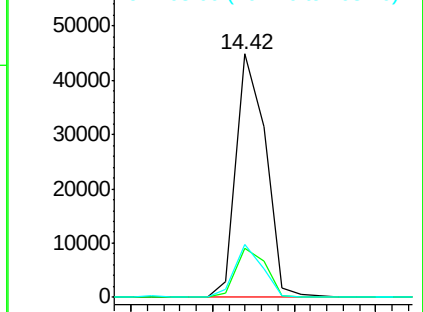
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	16.9	25.3
203	21.5	14.1	21.1#

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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: 35.54 ng

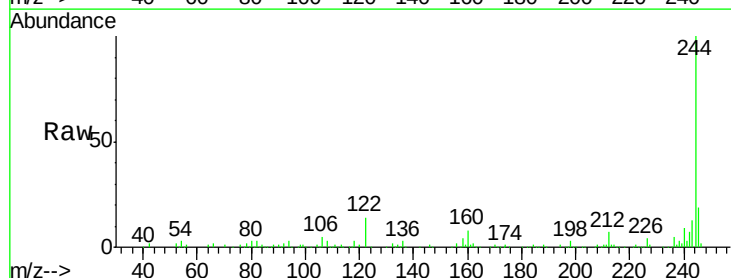
RT: 14.64 min Scan# 1203

Delta R.T. -0.01 min

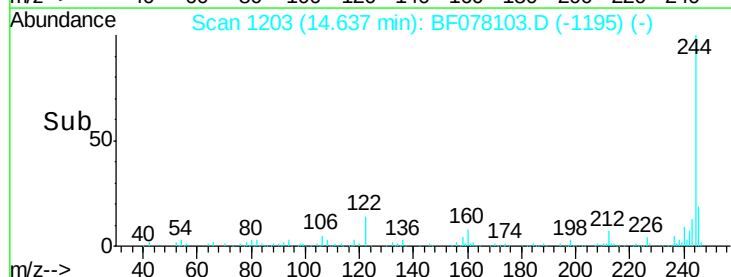
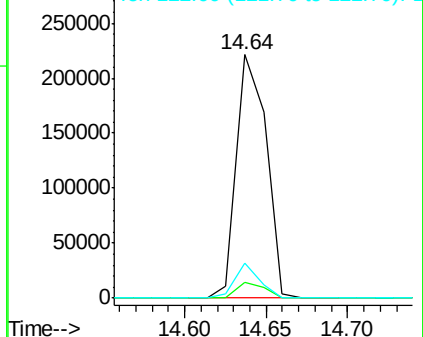
Lab File: BF078103.D

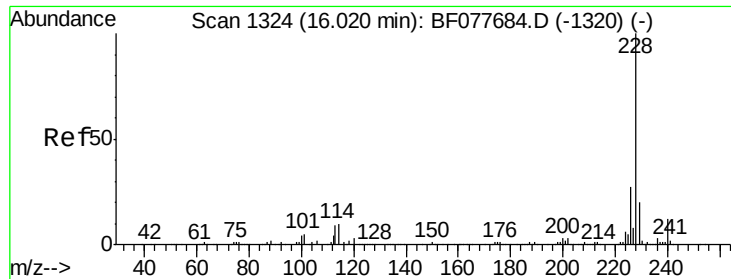
Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	4.9	7.3
122	14.2	6.2	9.4#



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





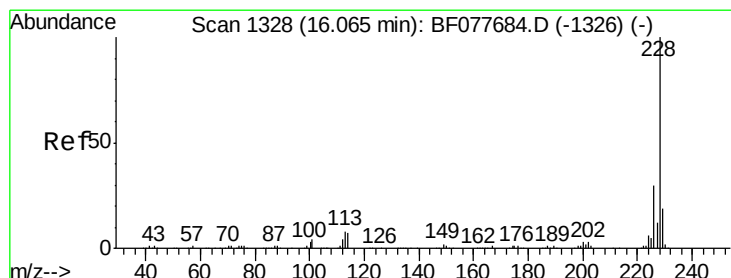
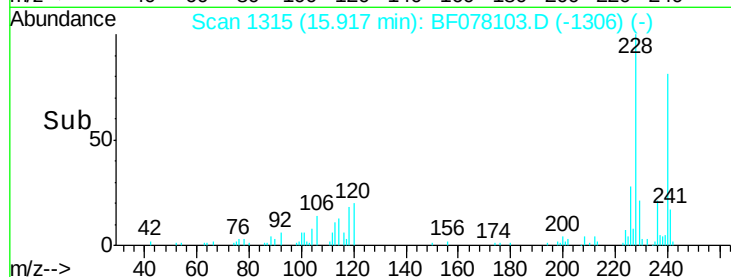
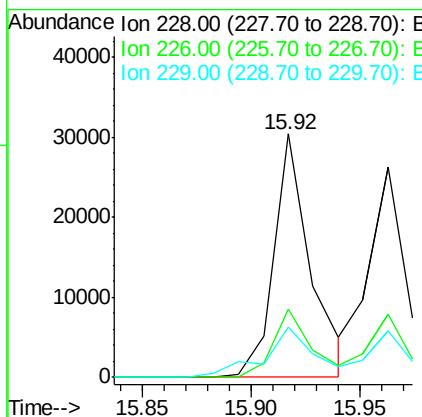
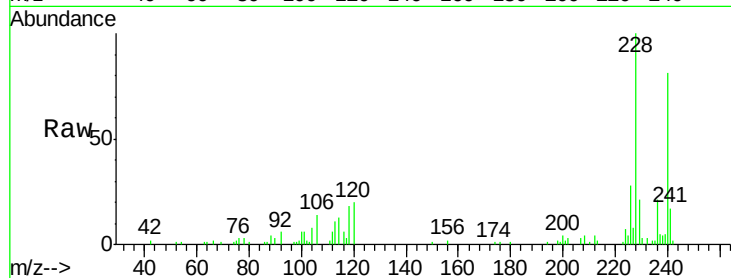
#80
Benzo(a)anthracene
Concen: 3.16 ng
RT: 15.92 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Instrument :
BNA_F
ClientSampleId :
REC-7-1-4(1.5-2.0)RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	20.7	16.0	24.0

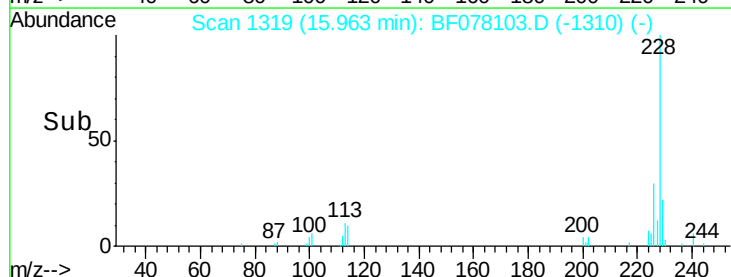
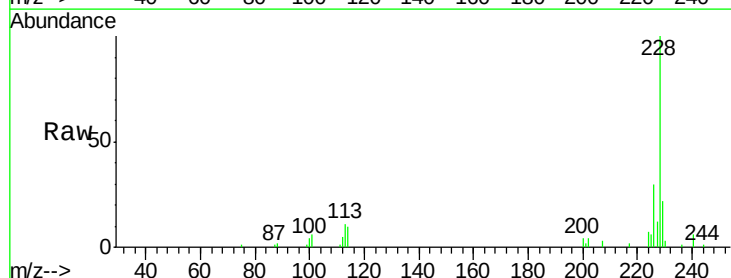
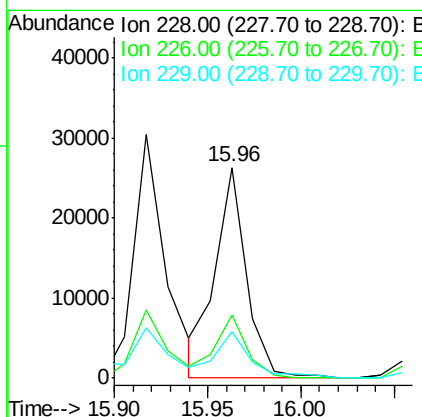
Manual Integrations
APPROVED

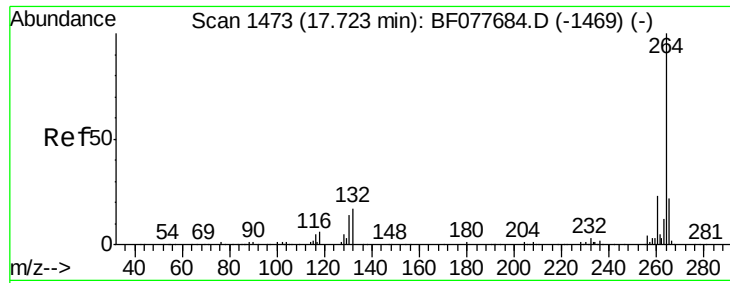
apatel
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#82
Chrysene
Concen: 3.02 ng
RT: 15.96 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF078103.D
Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	22.4	15.5	23.3





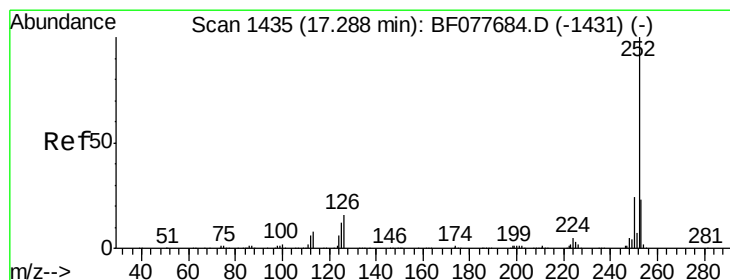
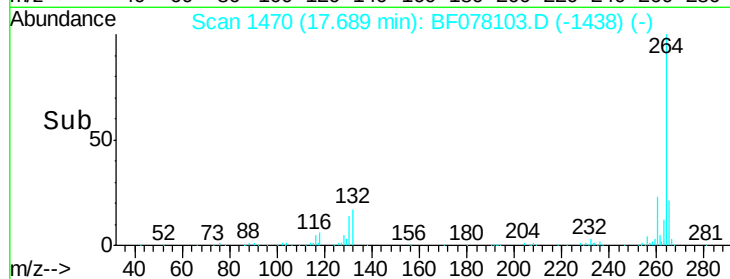
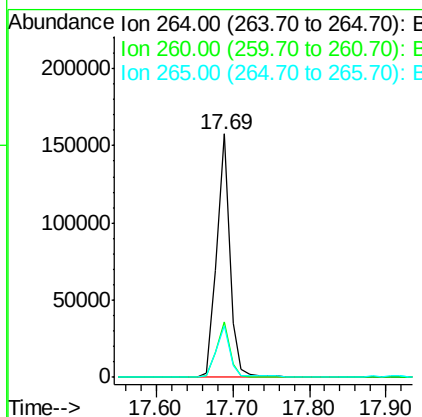
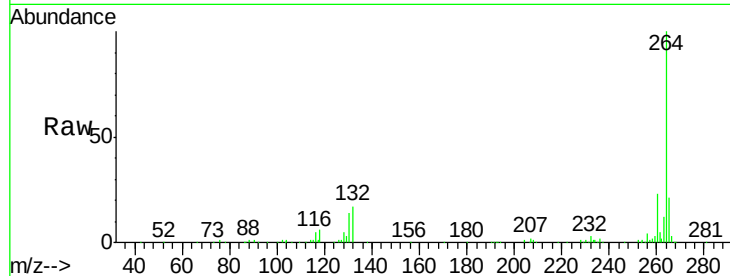
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.69 min Scan# 1470
 Delta R.T. 0.07 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	17.3	25.9

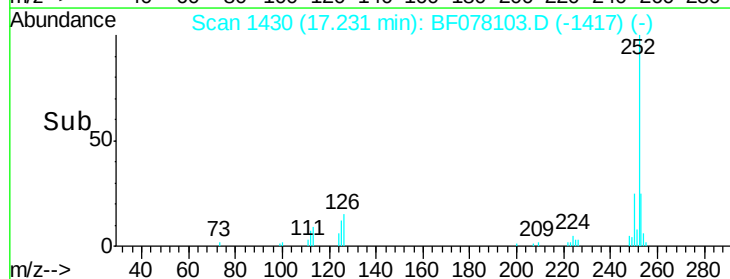
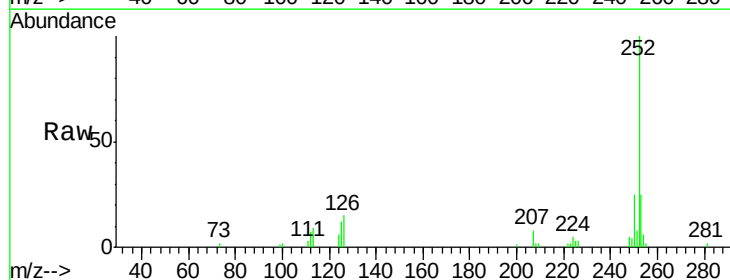
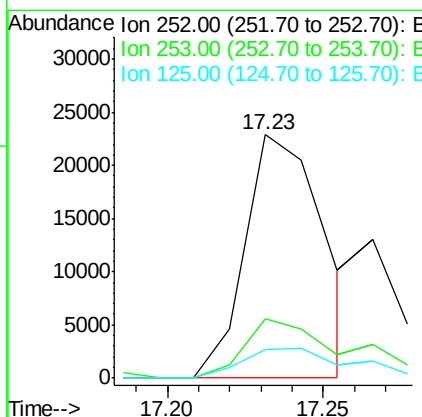
Manual Integrations
 APPROVED

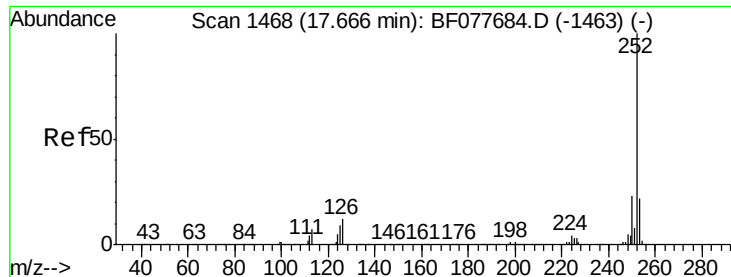
apatel
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#87
 Benzo(b)fluoranthene
 Concen: 3.21 ng m
 RT: 17.23 min Scan# 1430
 Delta R.T. 0.05 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	11.6	9.9	14.9





#89
 Benzo(a)pyrene
 Concen: 2.87 ng
 RT: 17.62 min Scan# 1464
 Delta R.T. 0.06 min
 Lab File: BF078103.D
 Acq: 31 Mar 2015 4:38

Instrument :
 BNA_F
 ClientSampleId :
 REC-7-1-4(1.5-2.0)RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	11.7	7.4	11.2

Manual Integrations
 APPROVED

apatel
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