

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078668.D
 Acq On : 21 Apr 2015 5:23
 Operator : TP/IZ
 Sample : G1943-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

Manual Integrations
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Quant Time: Apr 21 06:42:47 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 03:43:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	29007	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	120426	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	61246	20.00	ng	-0.01
63) Phenanthrene-d10	13.93	188	119500	20.00	ng	-0.01
75) Chrysene-d12	17.79	240	123151	20.00	ng	-0.01
86) Perylene-d12	19.47	264	120337	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	16891m	9.60	ng	0.01
7) Phenol-d6	5.37	99	22770m	10.33	ng	0.01
23) Nitrobenzene-d5	6.80	82	12381	6.23	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	4810	9.47	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	29379	6.86	ng	-0.01
78) Terphenyl-d14	16.46	244	34910	6.41	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	13.98	178	25739	3.72	ng	98
74) Fluoranthene	15.86	202	59416	8.15	ng	92
77) Pyrene	16.17	202	53248	6.89	ng	97
80) Benzo(a)anthracene	17.78	228	28016	3.82	ng	98
82) Chrysene	17.83	228	21228	3.08	ng	97
87) Benzo(b)fluoranthene	19.06	252	34865m	4.69	ng	
89) Benzo(a)pyrene	19.42	252	21554	3.32	ng	# 93
91) Benzo(g,h,i)perylene	20.94	276	14367	2.21	ng	96

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

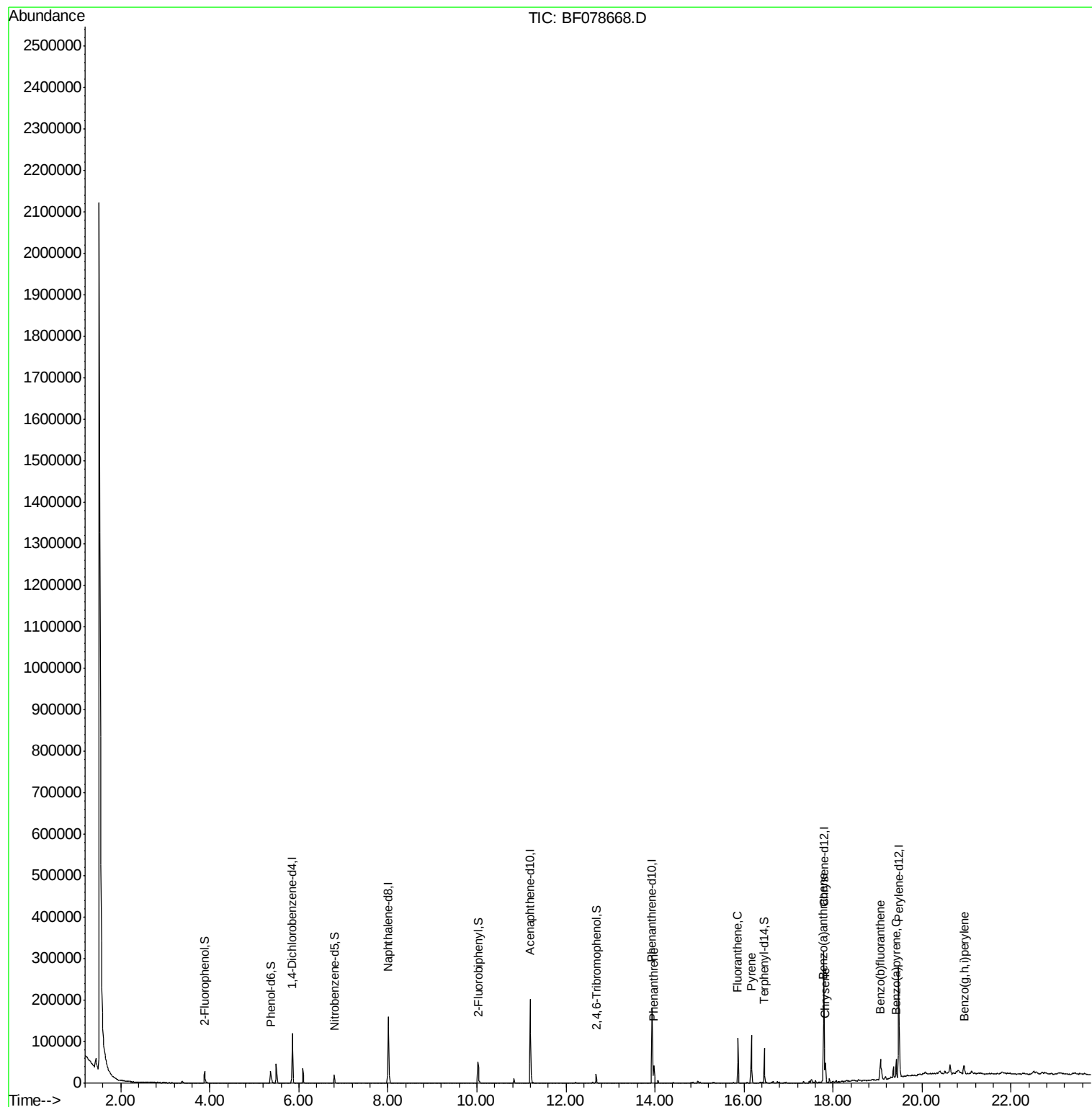
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078668.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

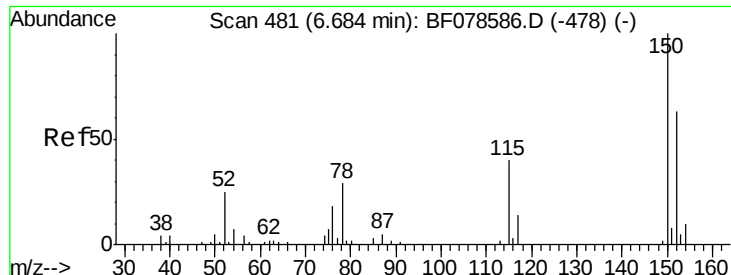
Instrument :
BNA_F
ClientSampleId :
SP-A-2

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#1

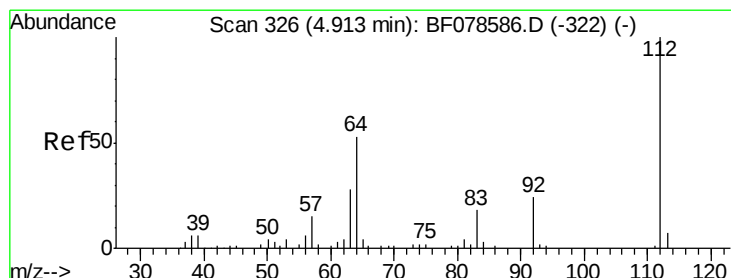
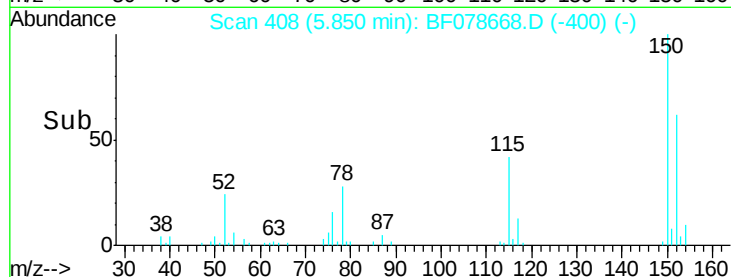
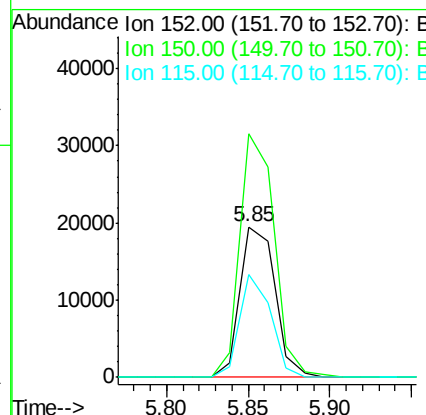
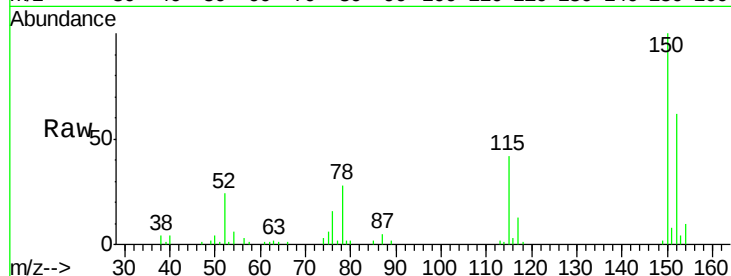
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Instrument :
BNA_F
ClientSampleId :
SP-A-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	125.9	188.9
115	68.7	52.7	79.1

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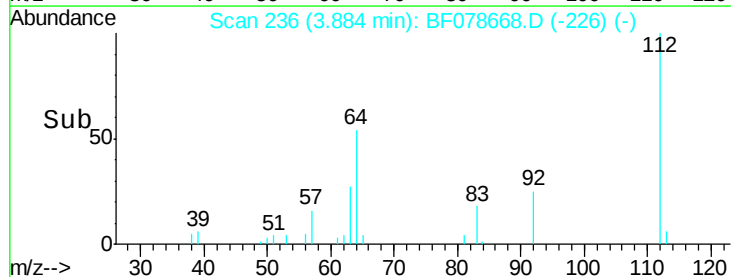
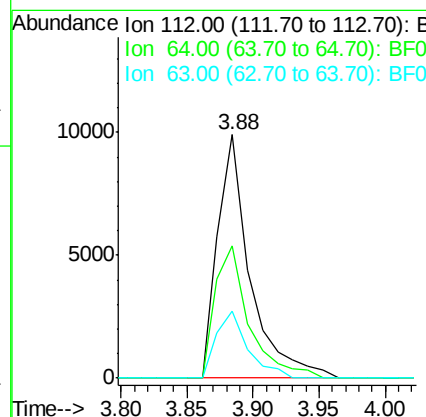
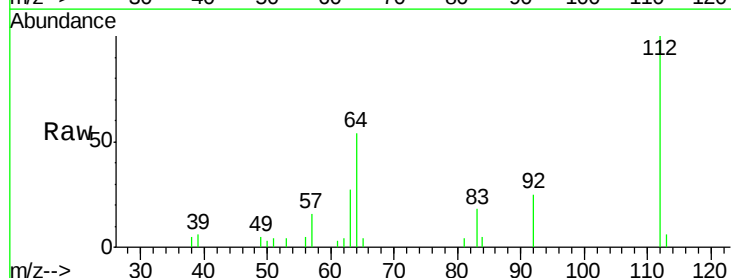
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#5

2-Fluorophenol
Concen: 9.60 ng m
RT: 3.88 min Scan# 236
Delta R.T. 0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	39.9	59.9
63	27.3	20.2	30.4





#7

Phenol-d6

Concen: 10.33 ng/mL

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

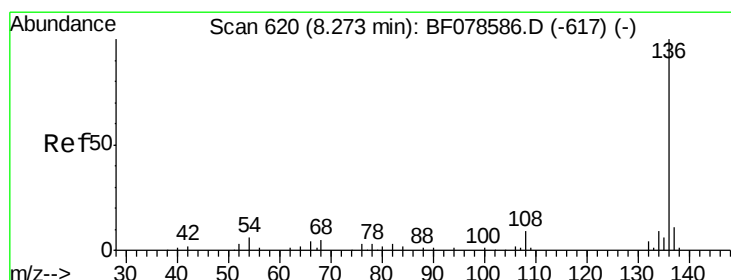
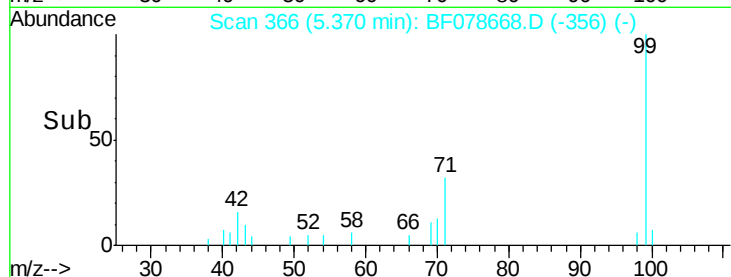
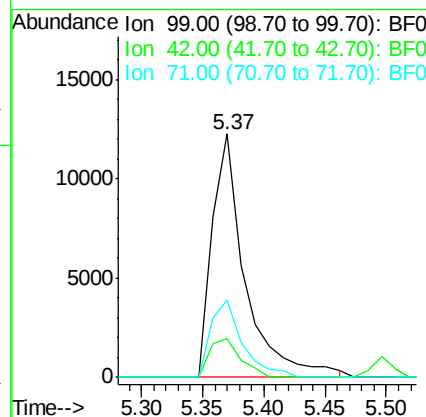
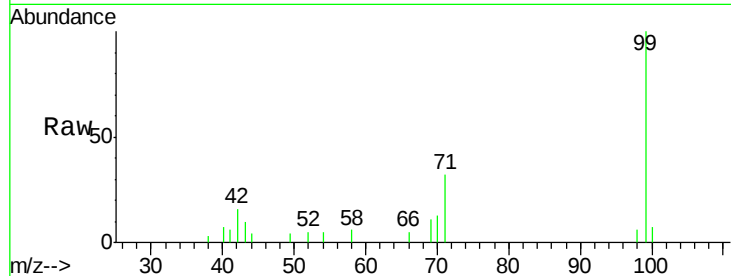
ClientSampleId :

SP-A-2

Tot Ion:	99	Resp:	22770
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.8	22.2
71	31.9	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

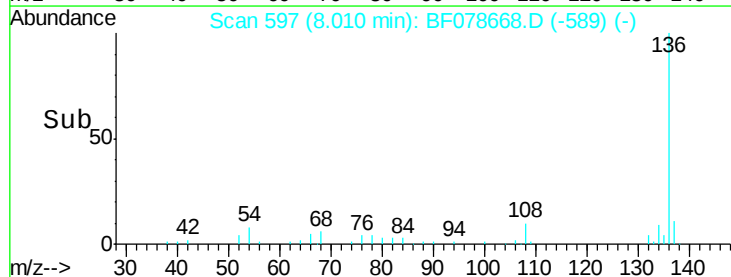
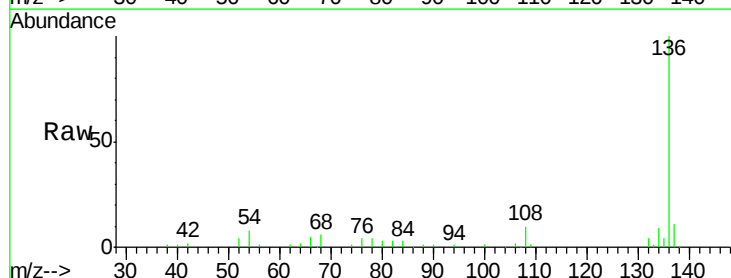
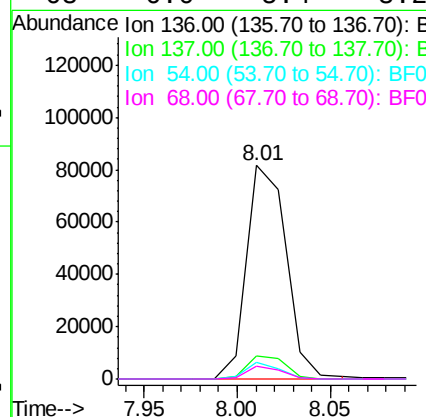
RT: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Tgt Ion:	136	Resp:	120426
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	8.1	7.0	10.6
68	6.0	5.4	8.2





#23

Nitrobenzene-d5

Concen: 6.23 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

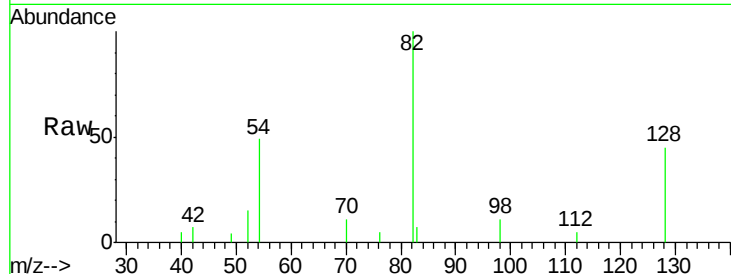
ClientSampleId :

SP-A-2

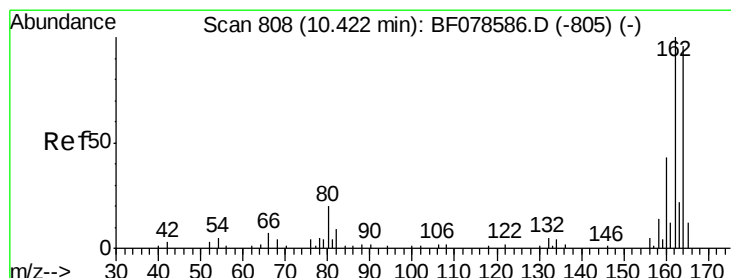
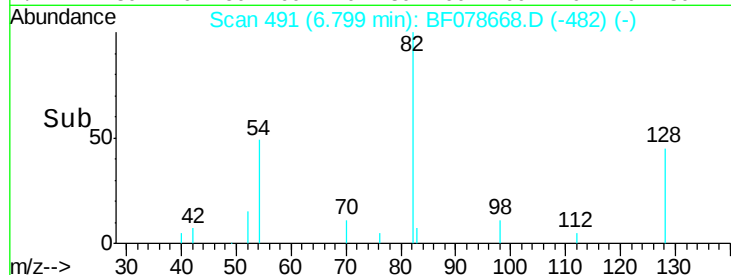
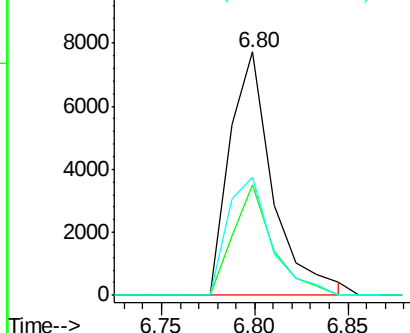
Tot Ion	82	Resp	12381
Ion Ratio	Lower	Upper	
82	100		
128	45.2	31.8	47.8
54	48.6	41.5	62.3

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

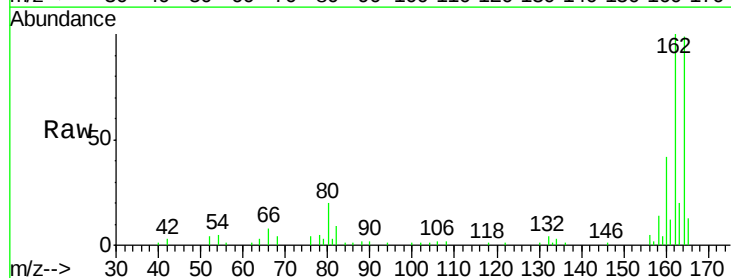
RT: 11.20 min Scan# 876

Delta R.T. -0.01 min

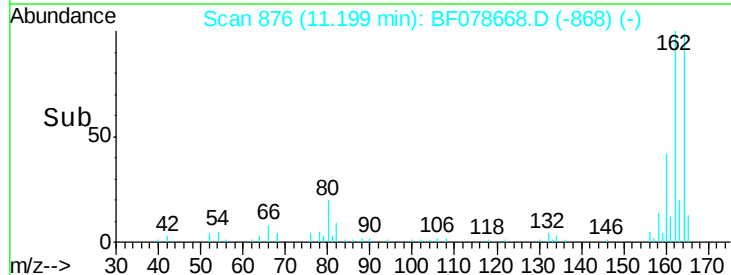
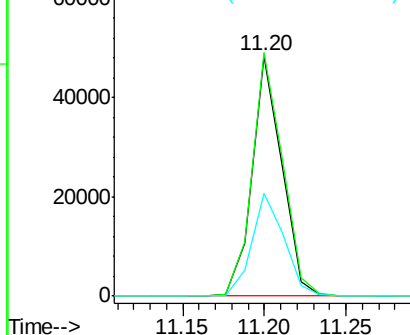
Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Tgt Ion	164	Resp	61246
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.2	123.2
160	42.6	34.7	52.1



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





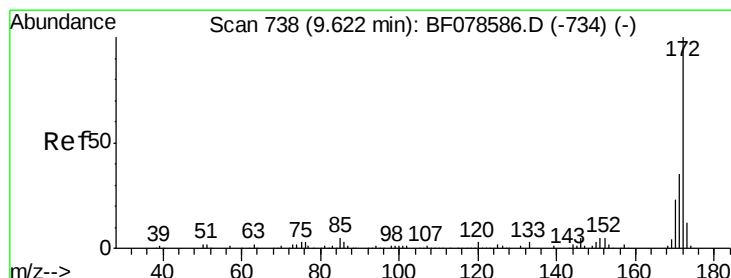
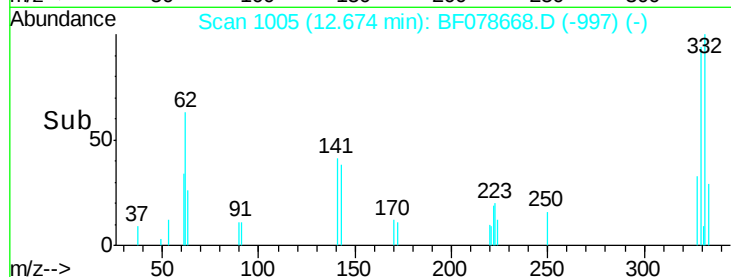
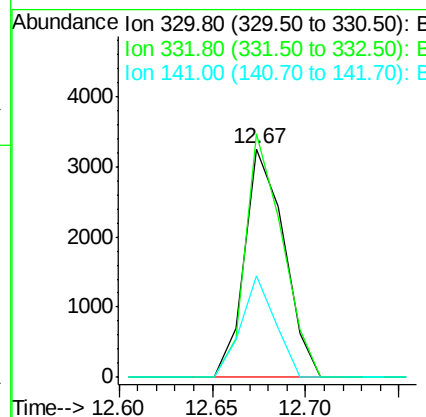
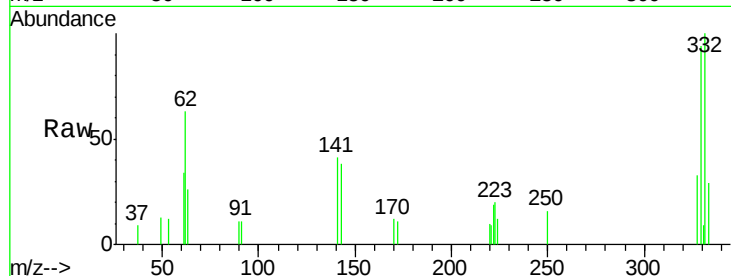
#41
 2,4,6-Tribromophenol
 Concen: 9.47 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	78.6	117.8
141	38.2	31.2	46.8

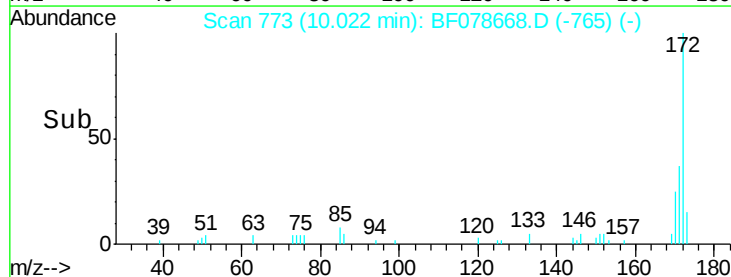
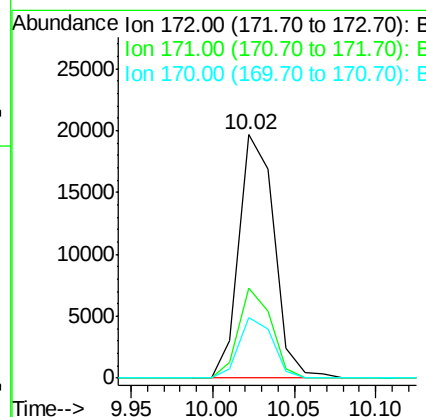
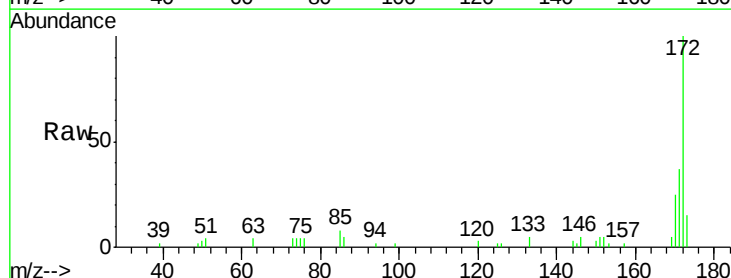
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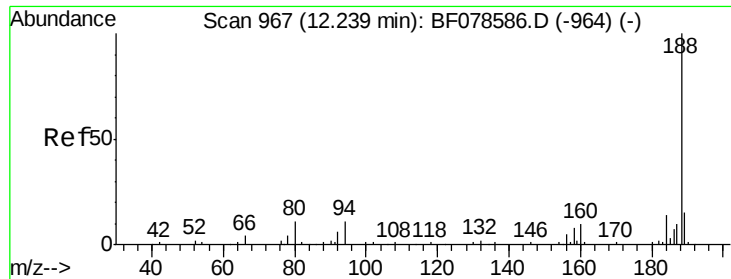
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#44
 2-Fluorobiphenyl
 Concen: 6.86 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	42.8
170	25.0	18.5	27.7





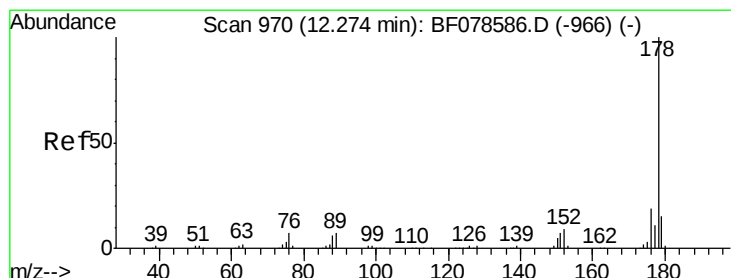
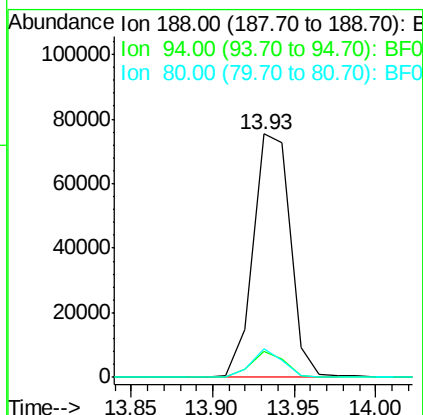
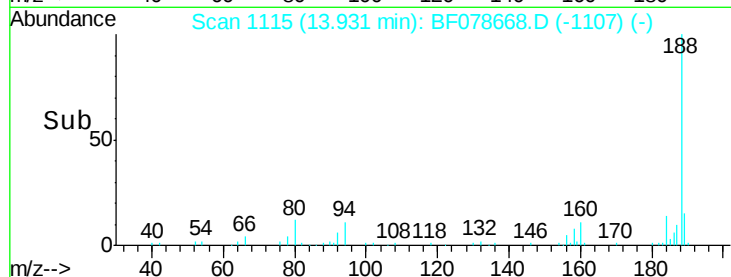
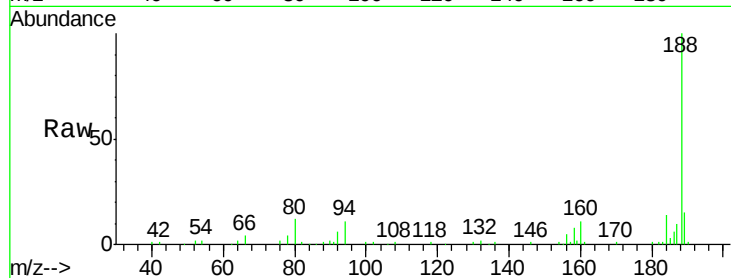
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.93 min Scan# 1115
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	9.0	13.4
80	11.5	9.5	14.3

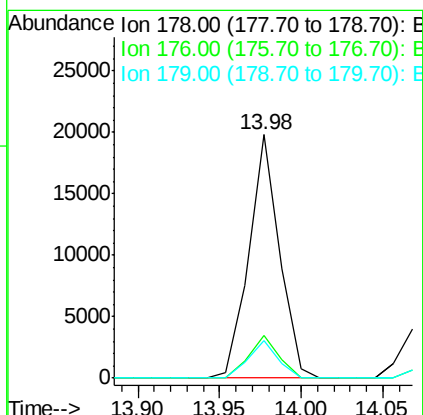
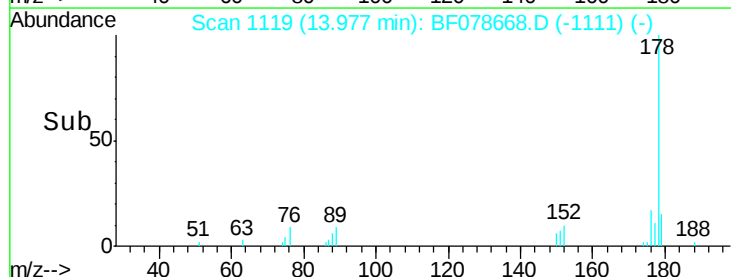
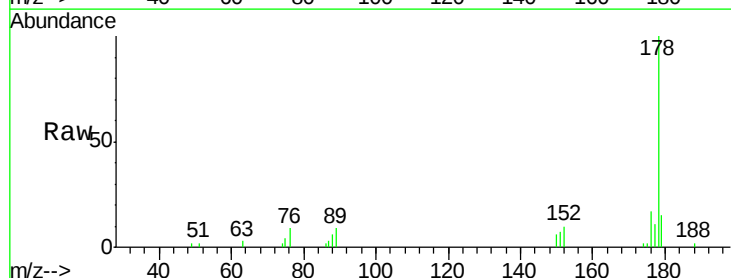
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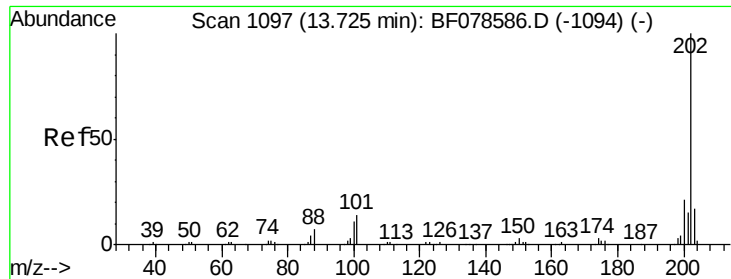
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#70
 Phenanthrene
 Concen: 3.72 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.5	15.4	23.0
179	15.3	12.2	18.2





#74

Fluoranthene

Concen: 8.15 ng

RT: 15.86 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

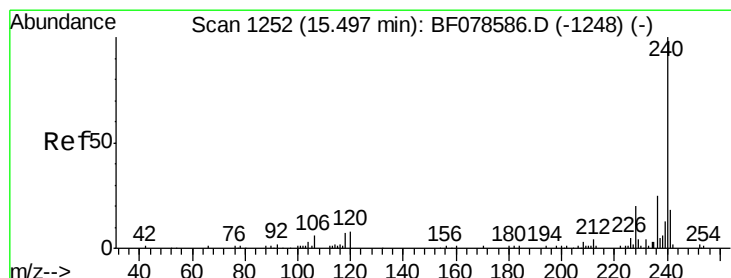
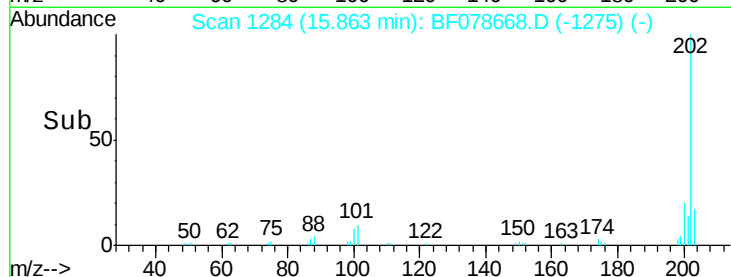
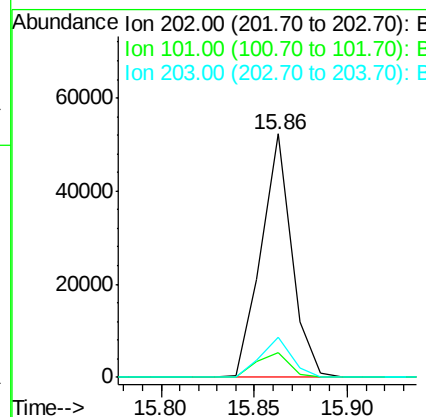
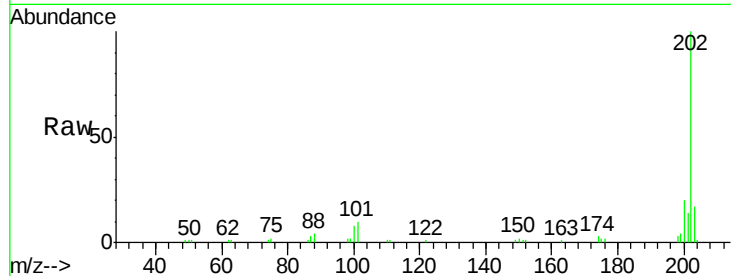
ClientSampleId :

SP-A-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	0.0	35.2
203	16.6	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

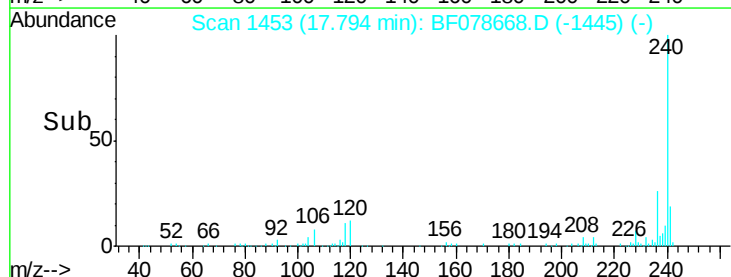
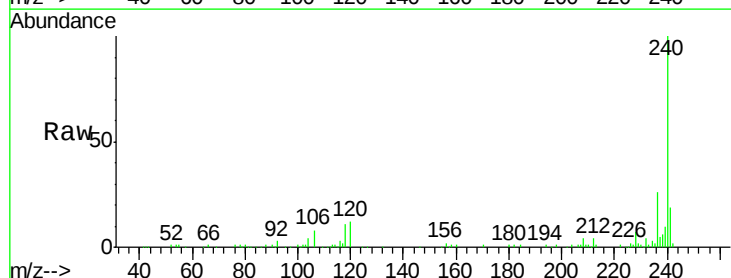
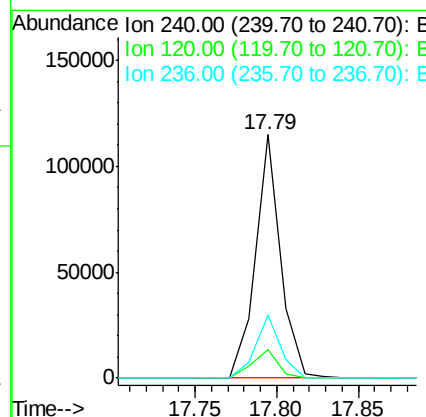
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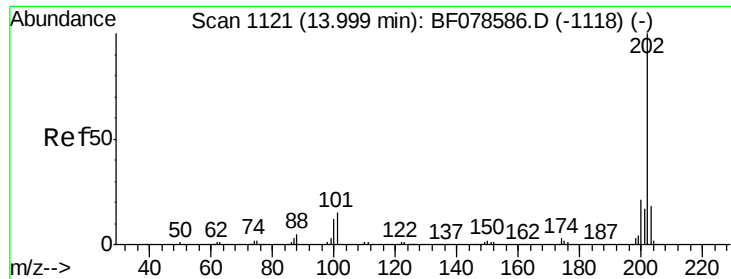
Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	7.1	10.7#
236	25.8	21.4	32.2





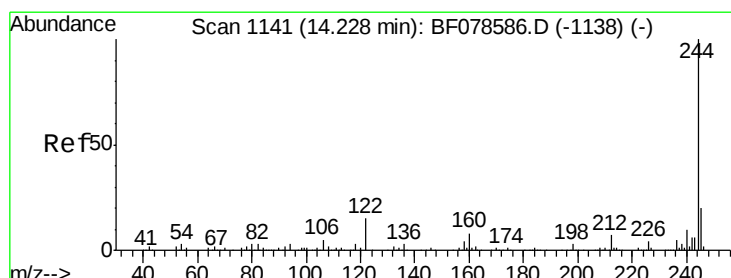
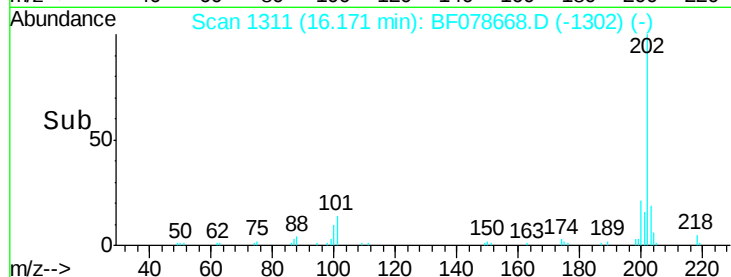
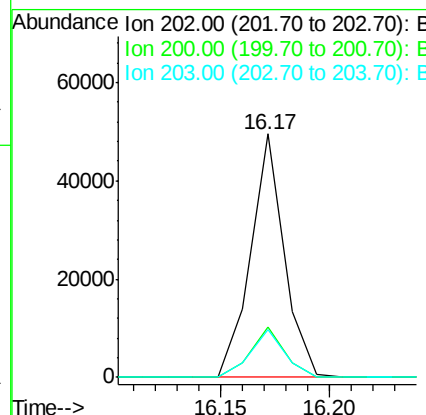
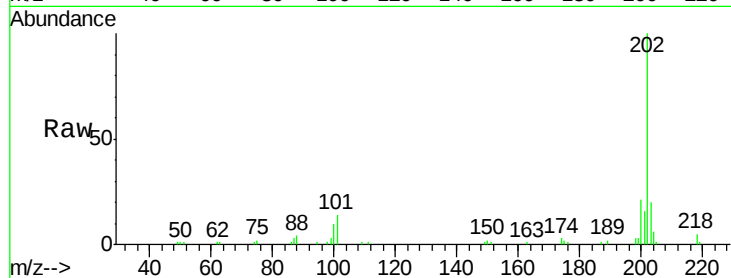
#77
Pvrene
Concen: 6.89 ng
RT: 16.17 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Instrument :
BNA_F
ClientSampleId :
SP-A-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.3	24.5
203	19.6	13.8	20.6

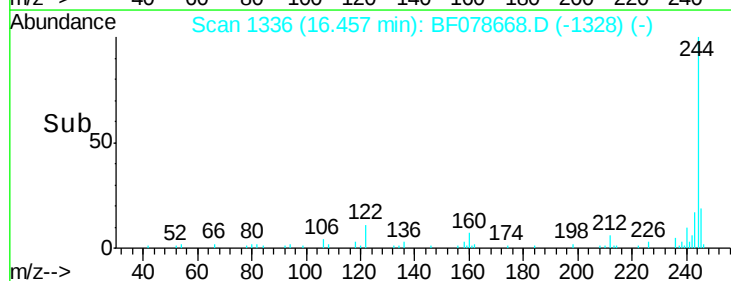
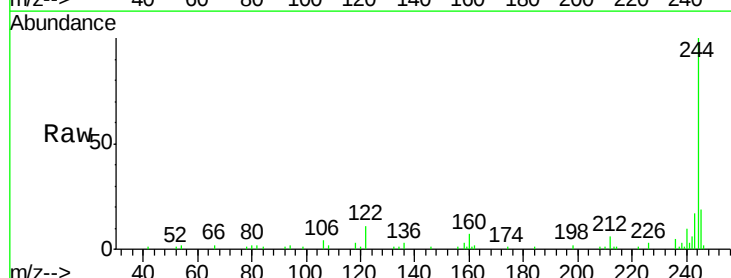
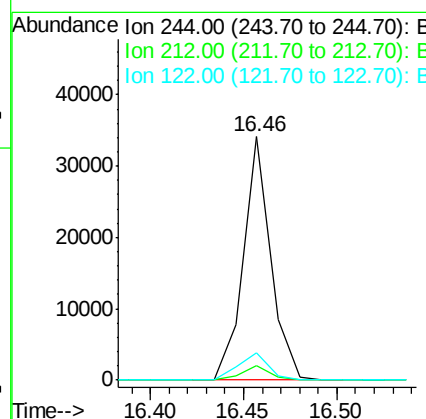
Manual Integrations
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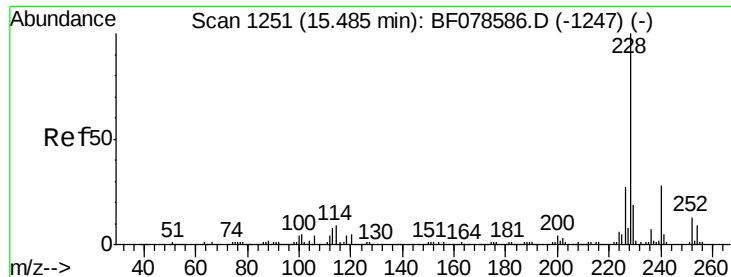
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#78
Terphenyl-d14
Concen: 6.41 ng
RT: 16.46 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.0	7.4
122	11.2	7.1	10.7#





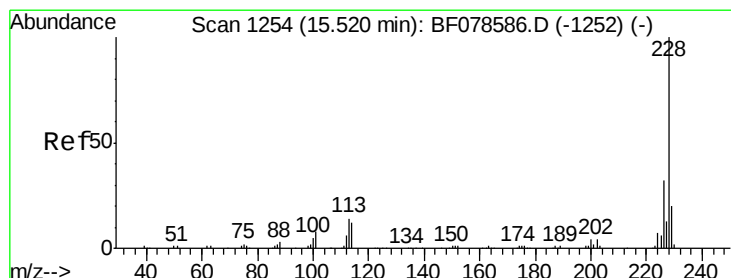
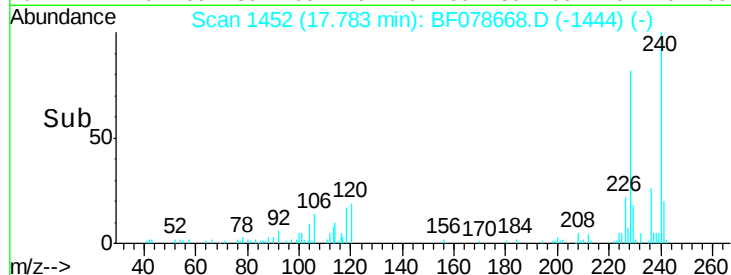
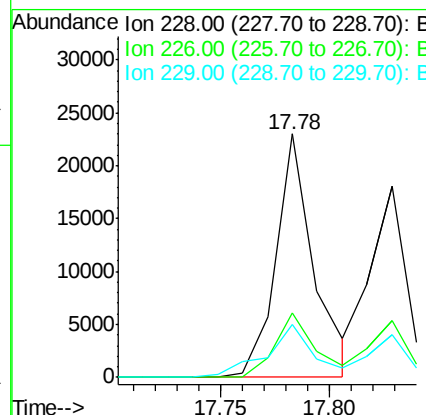
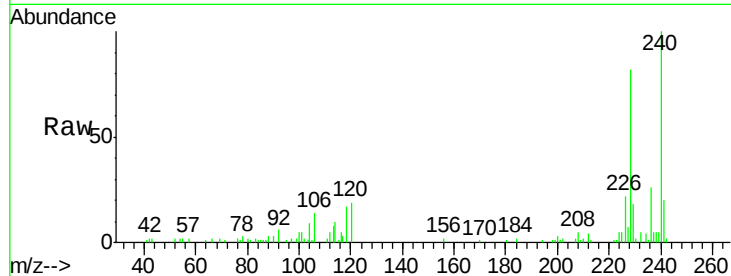
#80
Benzo(a)anthracene
Concen: 3.82 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Instrument :
BNA_F
ClientSampleId :
SP-A-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.3	31.9
229	21.8	15.4	23.2

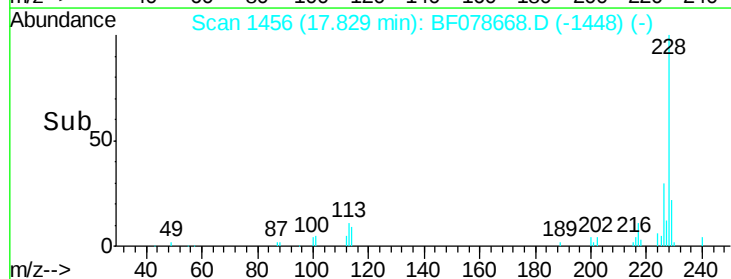
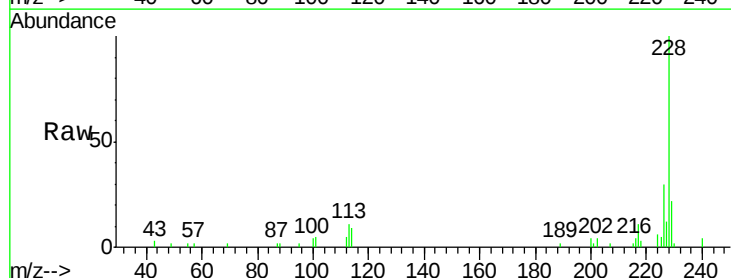
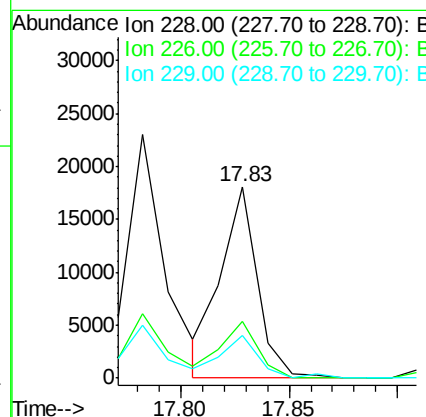
Manual Integrations
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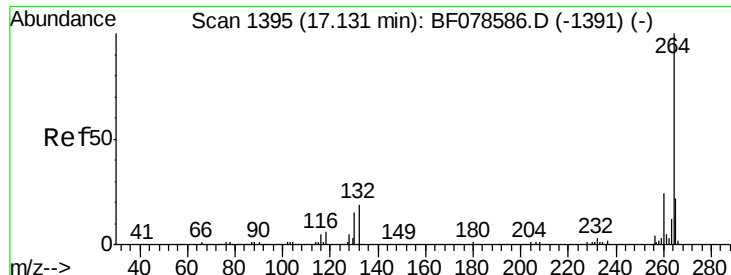
apatel
4/21/2015 5:04:11 PM



#82
Chrysene
Concen: 3.08 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.4
229	22.4	15.8	23.8





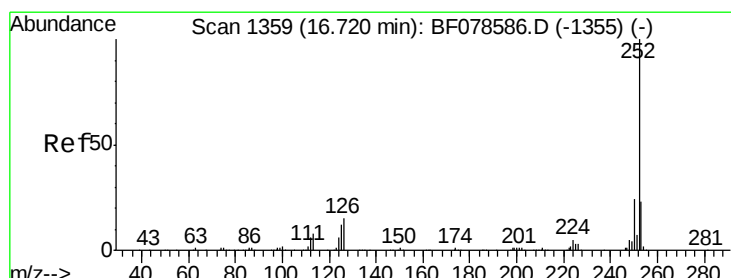
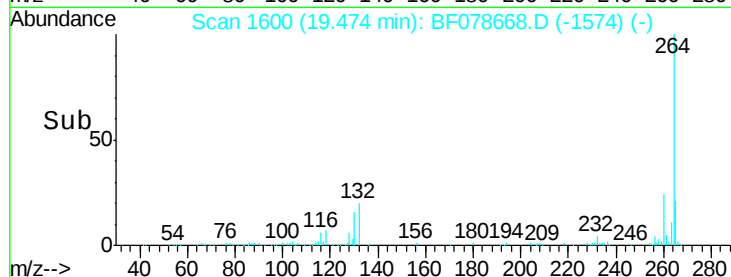
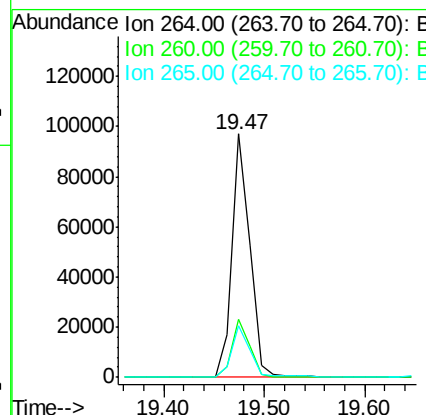
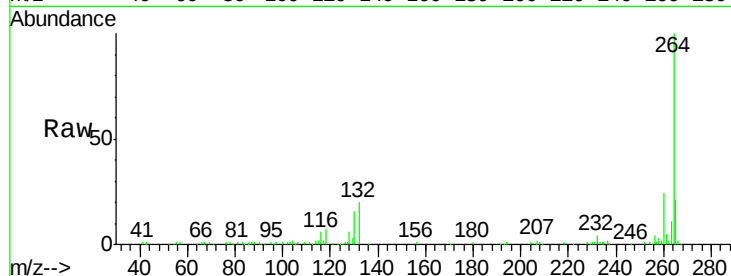
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.47 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Instrument :
BNA_F
ClientSampleId :
SP-A-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.3	17.0	25.6

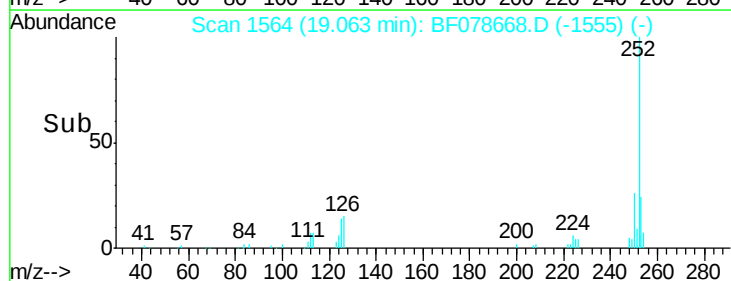
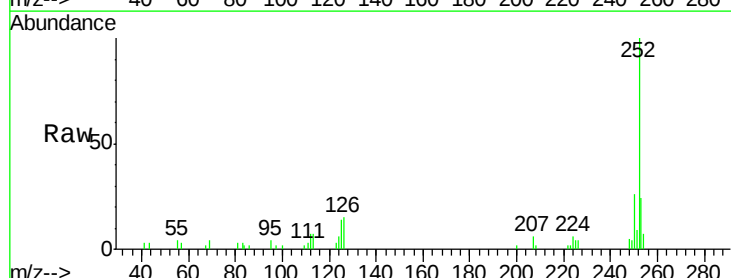
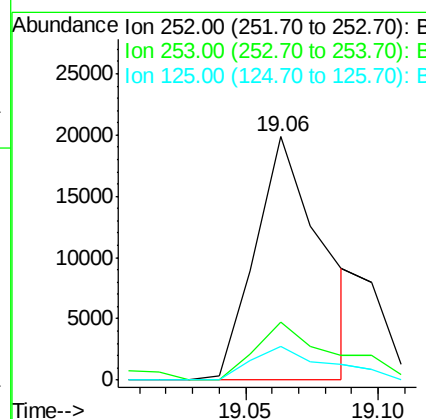
Manual Integrations
APPROVED

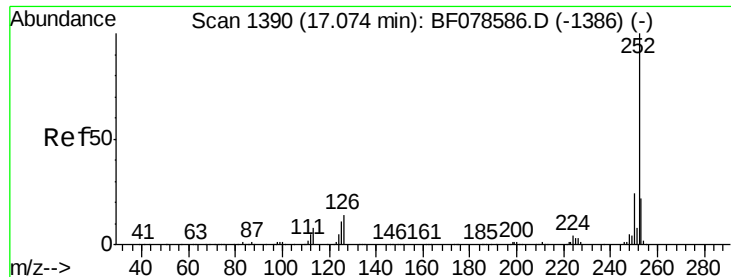
apatel
4/21/2015 5:04:11 PM



#87
Benzo(b)fluoranthene
Concen: 4.69 ng m
RT: 19.06 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	13.7	7.0	10.4





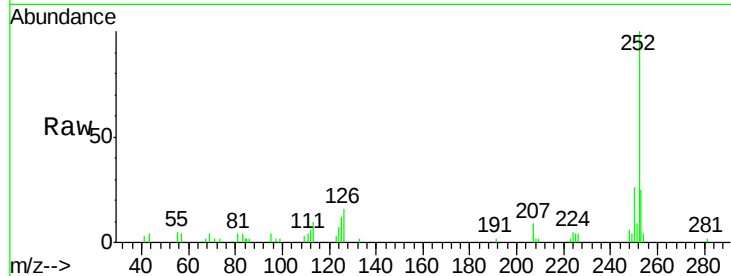
#89
Benzo(a)pyrene
Concen: 3.32 ng
RT: 19.42 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Instrument :
BNA_F
ClientSampled :
SP-A-2

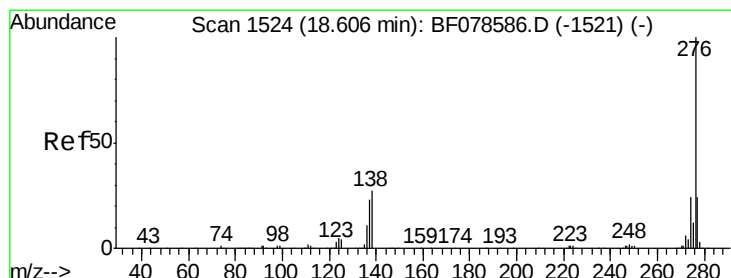
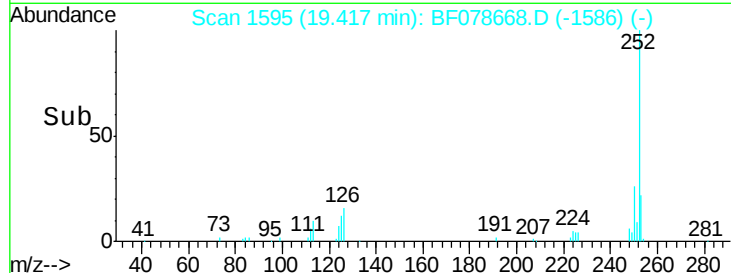
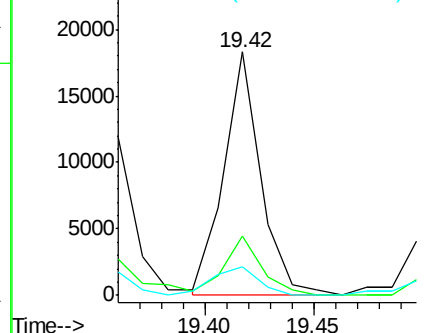
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	16.8	25.2
125	11.8	7.4	11.0

Manual Integrations
APPROVED

apatel
4/21/2015 5:04:11 PM



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



#91
Benzo(g,h,i)perylene
Concen: 2.21 ng
RT: 20.94 min Scan# 1728
Delta R.T. -0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	27.5	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

