

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097175.D
 Acq On : 29 Jul 2017 1:10
 Operator : SJ/JU
 Sample : I4456-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Manual Integrations
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Quant Time: Jul 29 02:15:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	110087	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	438021	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	157448	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	188680	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	184915	20.00	ng	-0.02
86) Perylene-d12	14.96	264	165343	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	697384	95.50	ng	0.00
7) Phenol-d6	6.15	99	924761	110.92	ng	-0.02
23) Nitrobenzene-d5	7.06	82	583399	78.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	115890	93.16	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	685666	73.91	ng	-0.02
78) Terphenyl-d14	12.57	244	381294	42.04	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	27283	2.759	ng	96
49) Dimethylphthalate	9.25	163	135525	11.335	ng	98
70) Phenanthrene	11.01	178	32596	3.224	ng	96
74) Fluoranthene	12.19	202	47377	4.784	ng	99
77) Pyrene	12.42	202	40935	2.704	ng	99
80) Benzo(a)anthracene	13.60	228	25326	2.117	ng	96
82) Chrysene	13.63	228	24583	2.104	ng	96
87) Benzo(b)fluoranthene	14.60	252	23751m	2.390	ng	
89) Benzo(a)pyrene	14.91	252	18854	2.073	ng	# 91

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

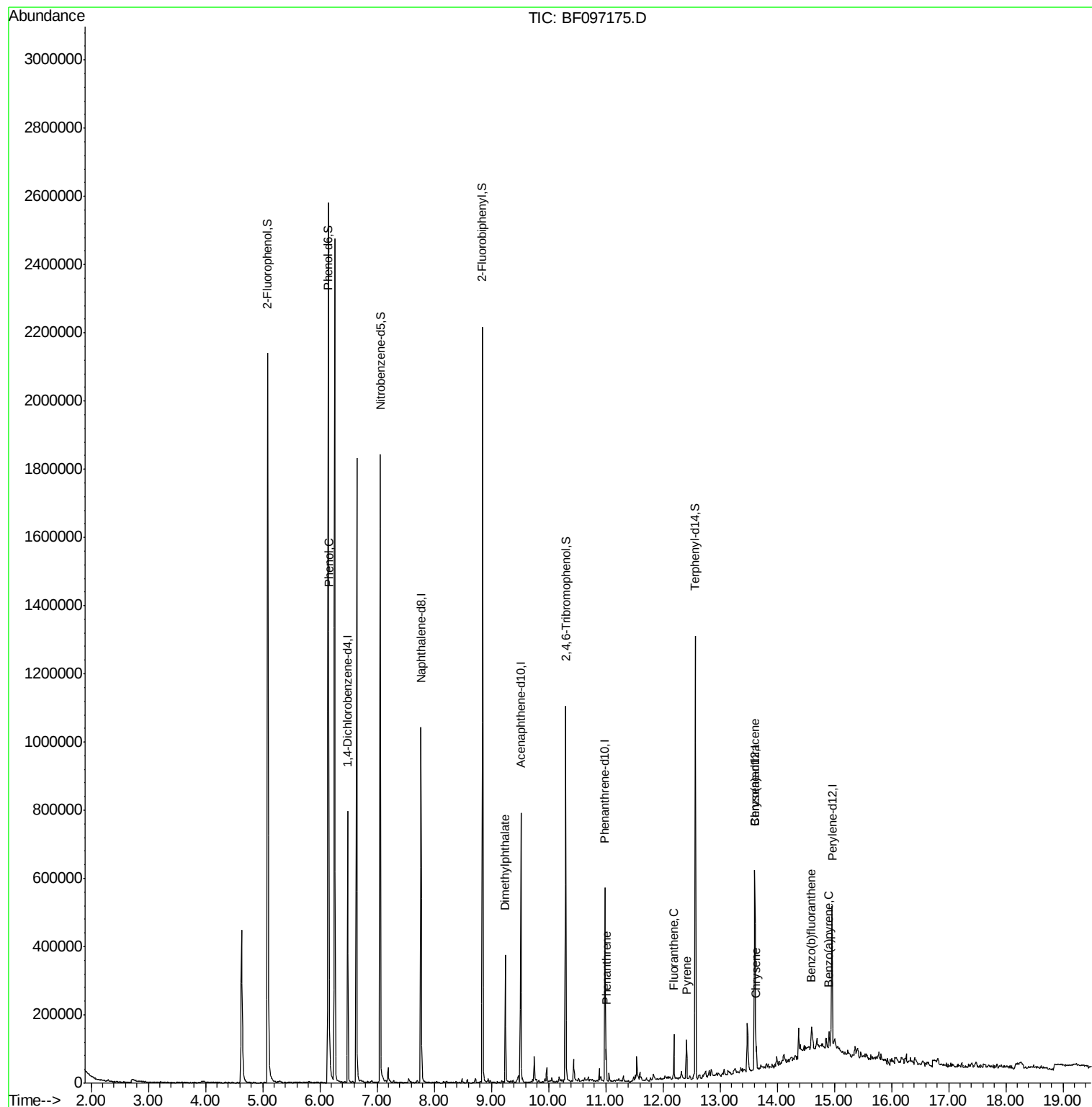
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097175.D
Acq On : 29 Jul 2017 1:10
Operator : SJ/JU
Sample : I4456-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

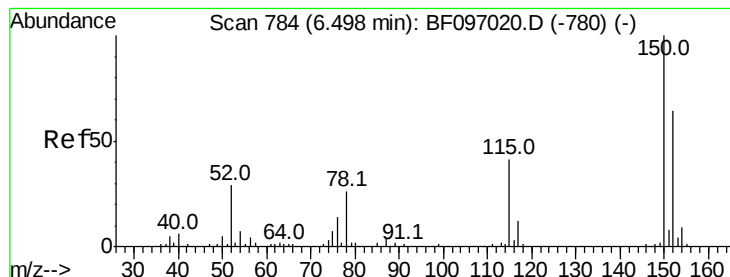
Instrument :
BNA_F
ClientSampleId :
TP-14D24

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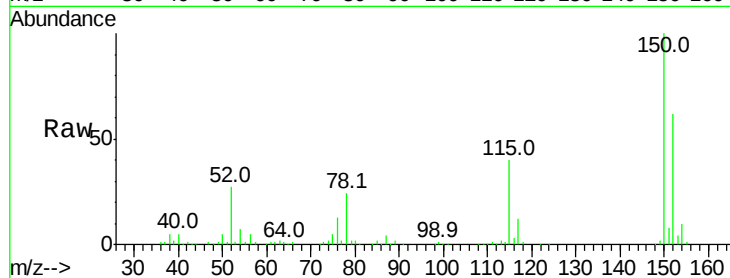
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Instrument :
 BNA_F
 ClientSampled :
 TP-14D24

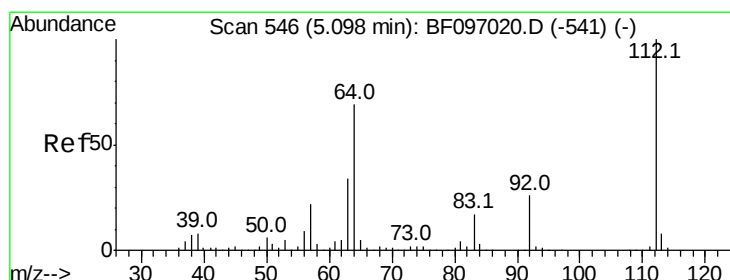
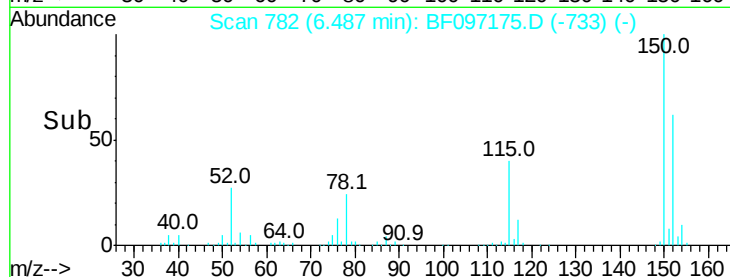
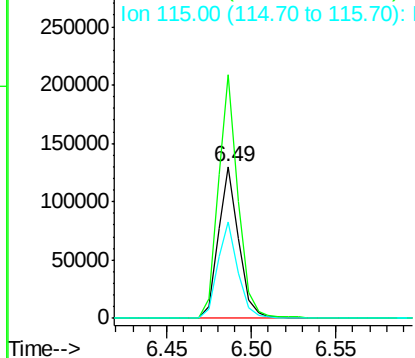
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	63.2	52.2	78.2

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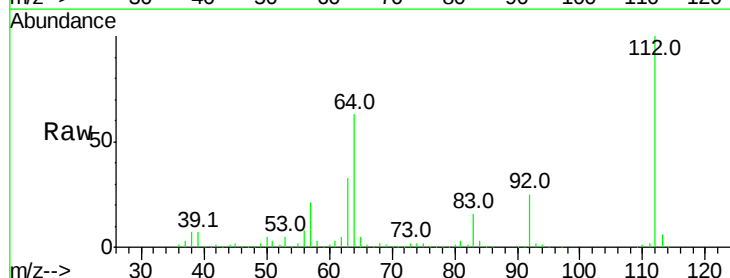


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

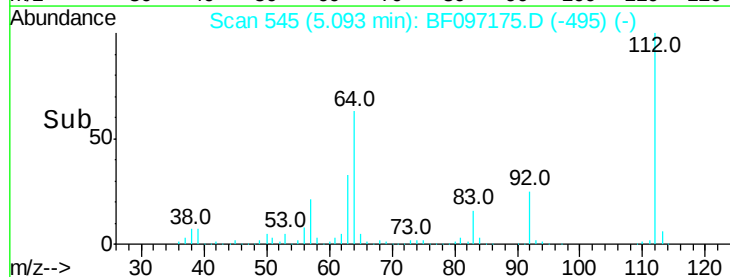
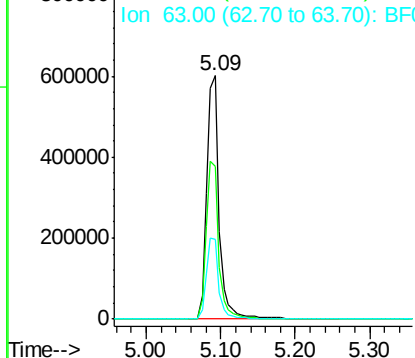


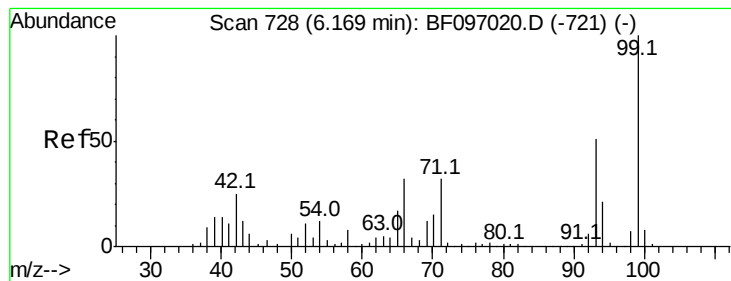
#5
 2-Fluorophenol
 Concen: 95.497 ng
 RT: 5.09 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	46.0	69.0
63	32.7	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.924 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

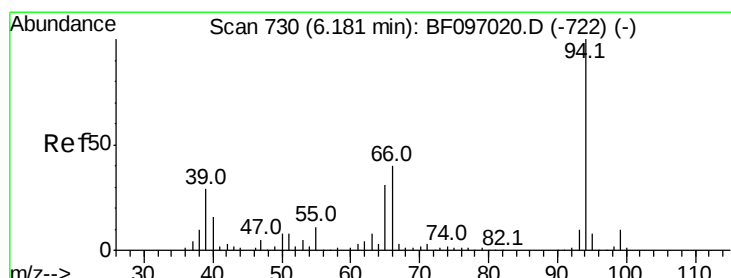
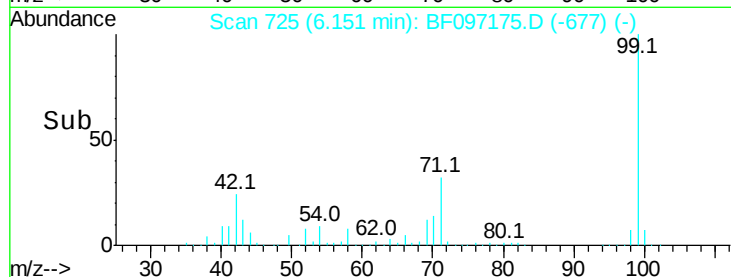
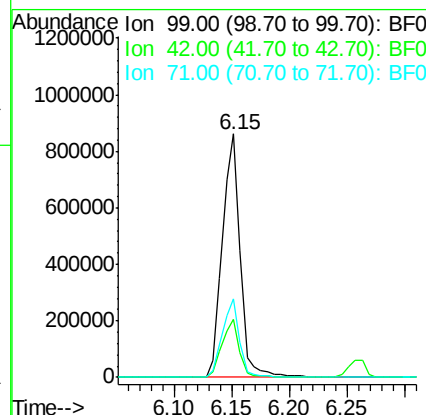
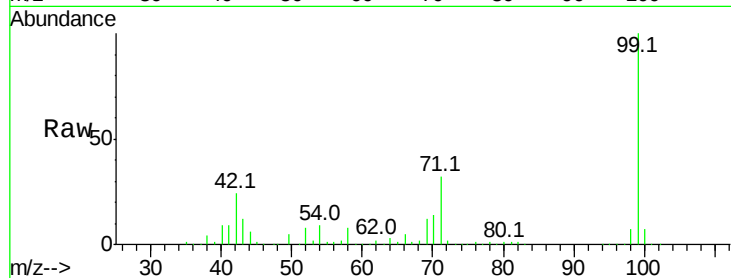
ClientSampled :

TP-14D24

Tot Ion:	99	Resp:	924761
Ion Ratio	Lower	Upper	
99	100		
42	24.0	13.5	20.3#
71	32.2	24.5	36.7

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#10

Phenol

Concen: 2.759 ng

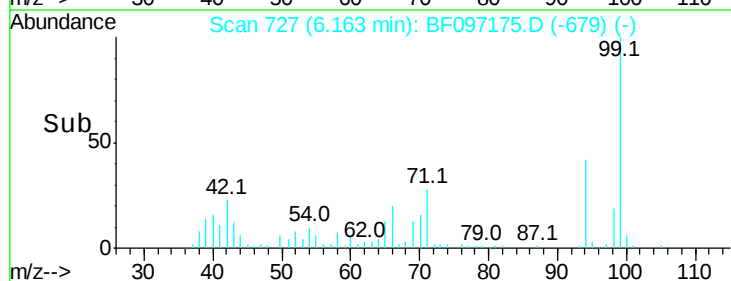
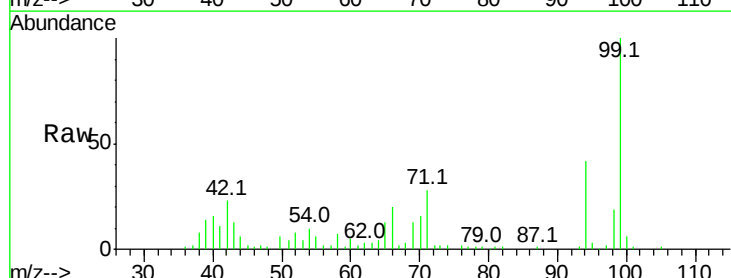
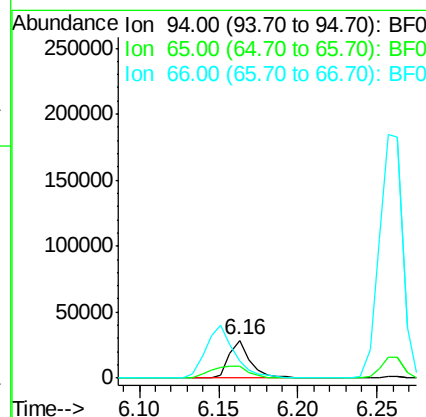
RT: 6.16 min Scan# 727

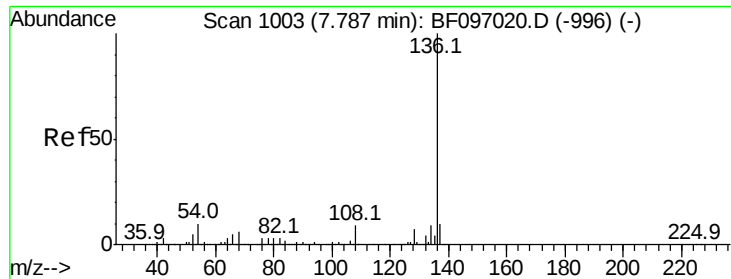
Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Tgt Ion:	94	Resp:	27283
Ion Ratio	Lower	Upper	
94	100		
65	31.3	9.9	49.9
66	46.2	23.1	63.1





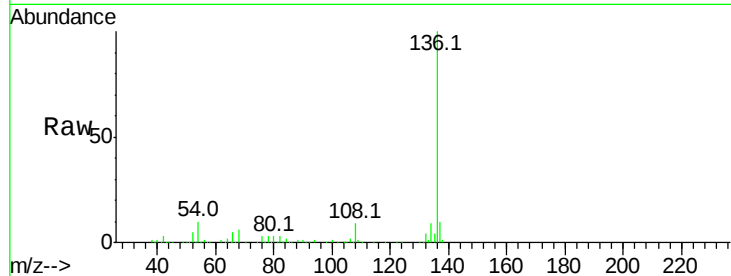
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Instrument :
BNA_F
ClientSampleId :
TP-14D24

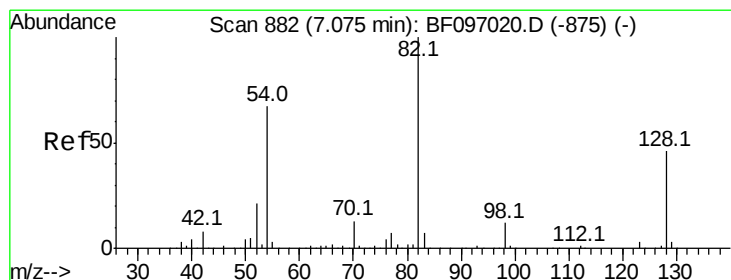
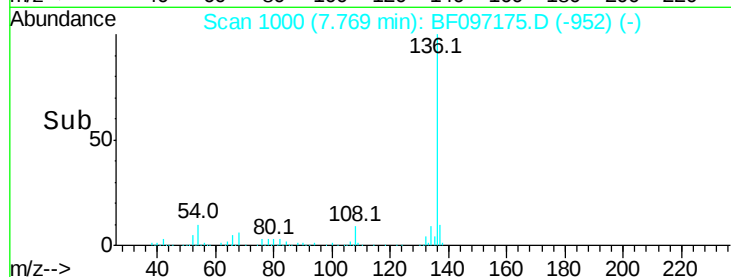
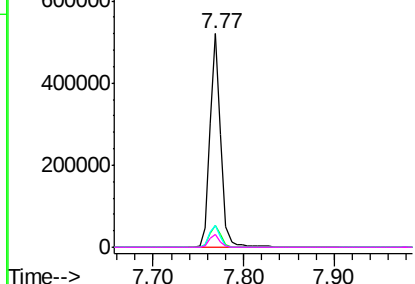
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.3	8.5	12.7
54	10.2	4.9	7.3#
68	5.8	4.1	6.1

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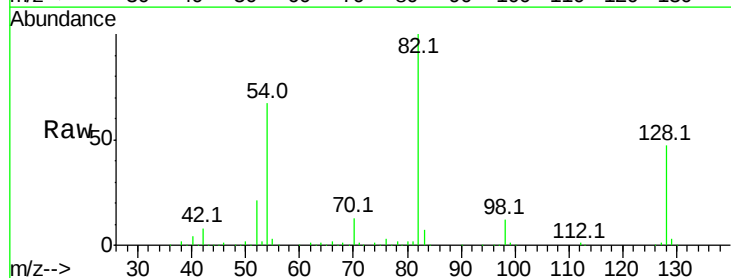


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0

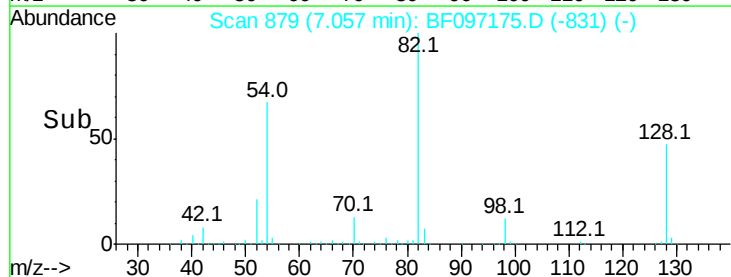
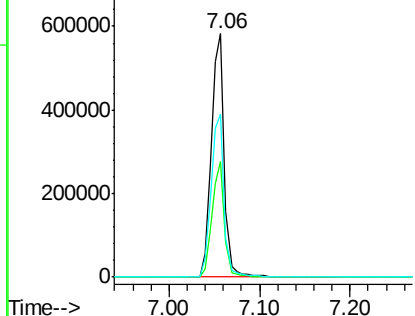


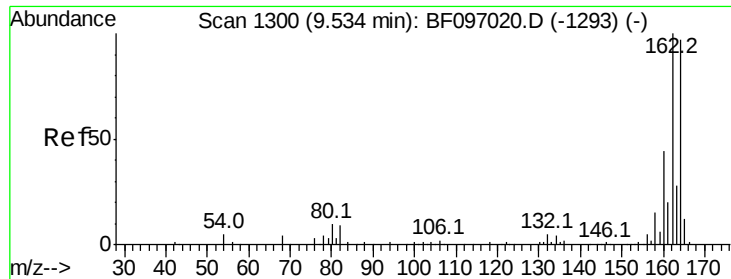
#23
Nitrobenzene-d5
Concen: 78.134 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.3	34.0	51.0
54	67.0	42.2	63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0
800000
Ion 128.00 (127.70 to 128.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
200000
0





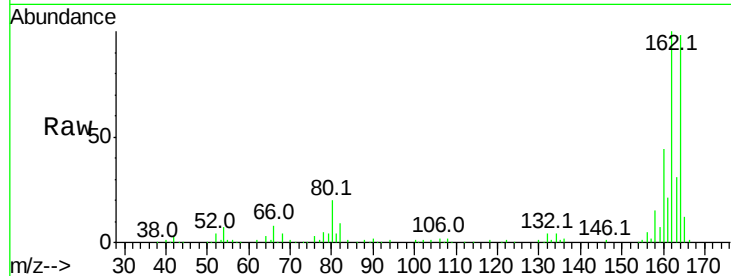
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

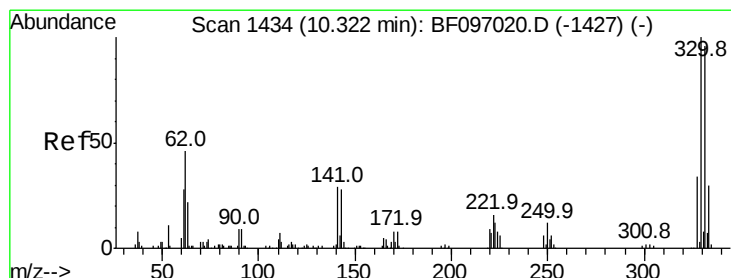
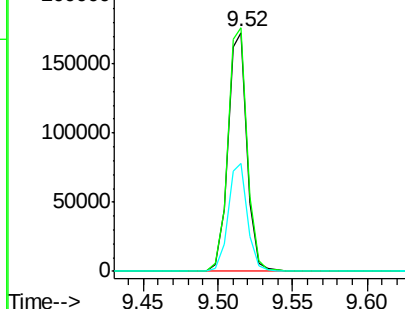
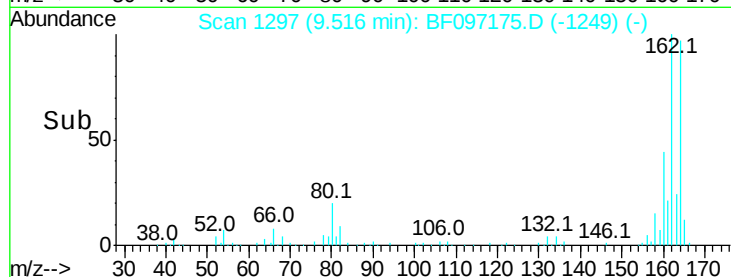
Tot Ion	Ratio	Resp	Lower	Upper
164	100	157448		
162	102.0	82.6	123.8	
160	45.2	36.2	54.2	

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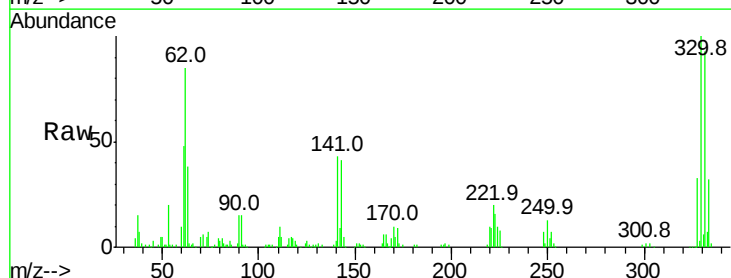


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

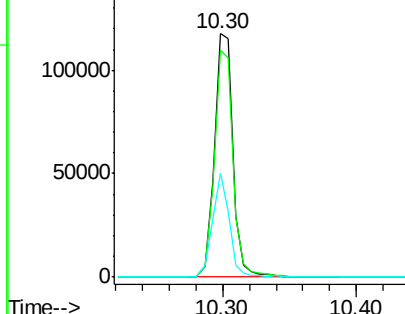
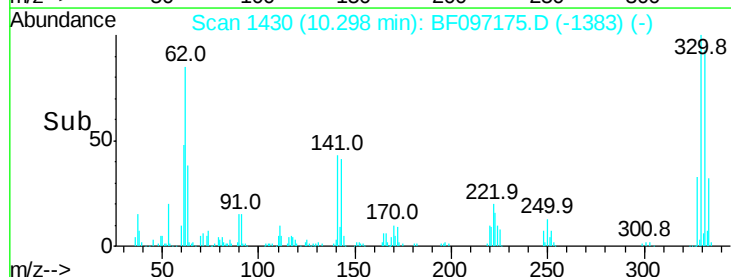


#41
 2,4,6-Tribromophenol
 Concen: 93.160 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	115890		
332	94.0	76.6	115.0	
141	38.9	31.4	47.2	



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





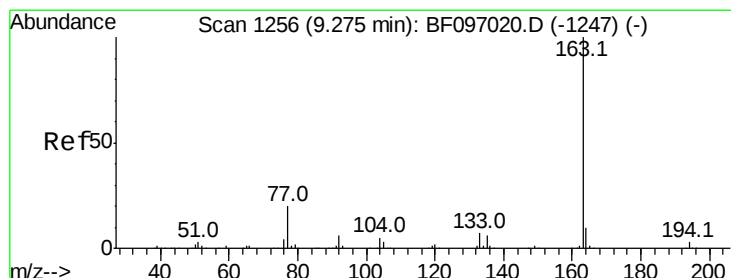
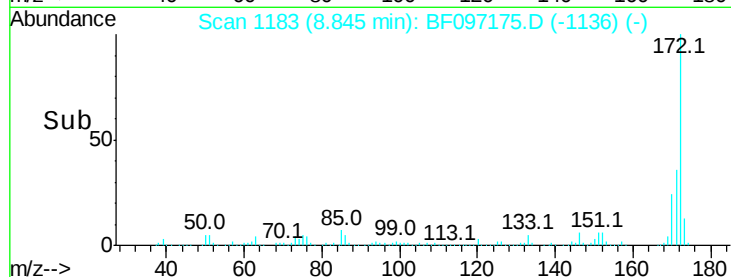
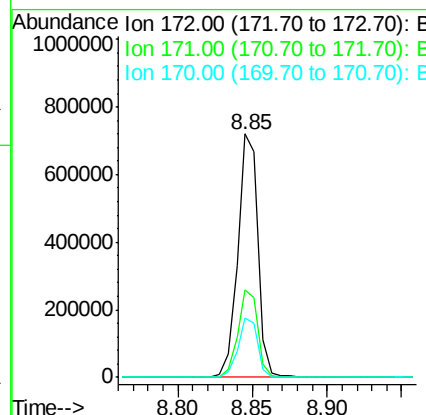
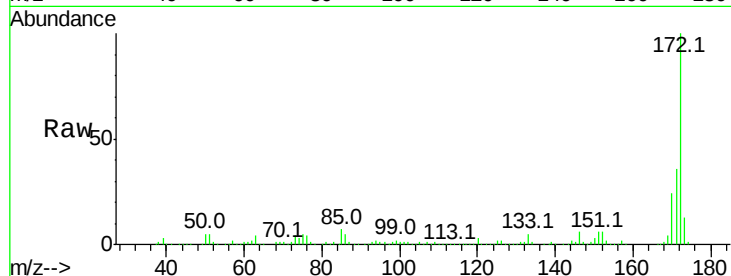
#44
2-Fluorobiphenyl
Concen: 73.906 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Instrument :
BNA_F
ClientSampleId :
TP-14D24

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.1	19.8	29.8

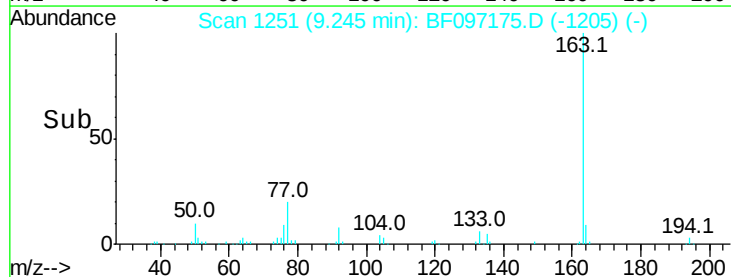
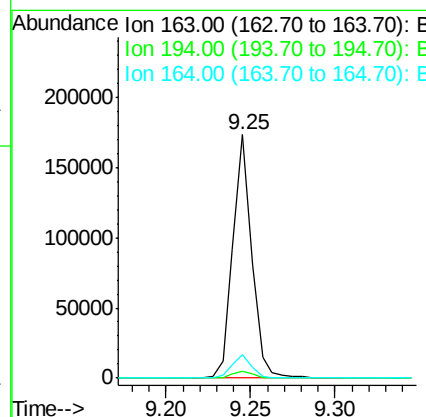
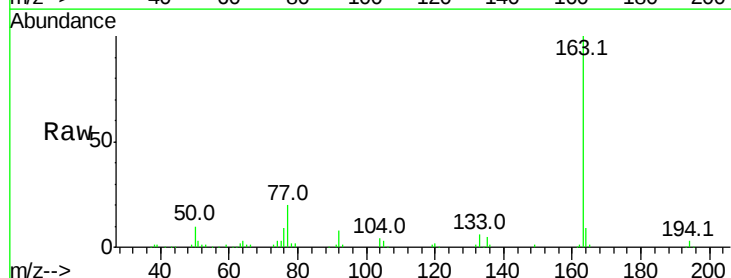
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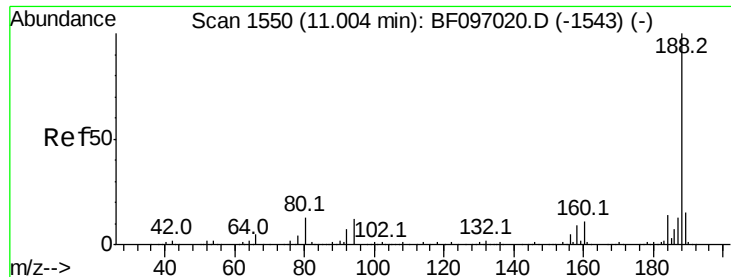
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#49
Dimethylphthalate
Concen: 11.335 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.5	8.4	12.6





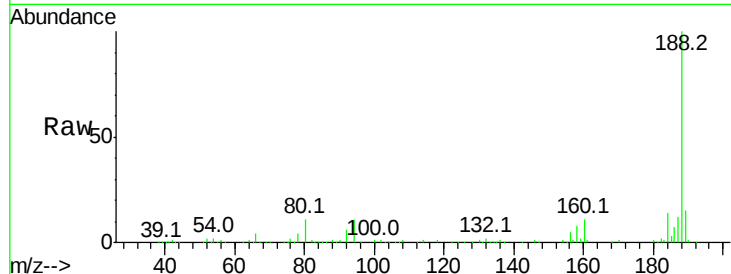
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Instrument :
BNA_F
ClientSampleId :
TP-14D24

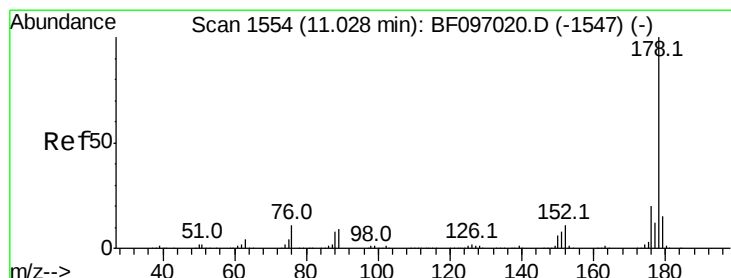
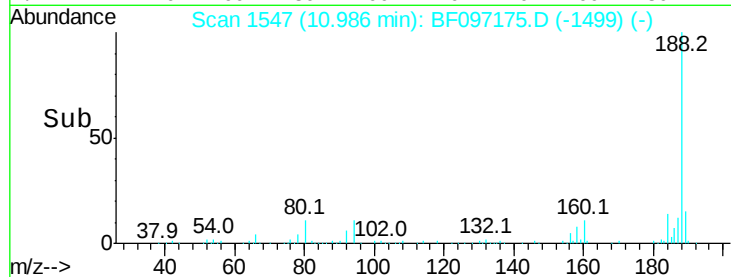
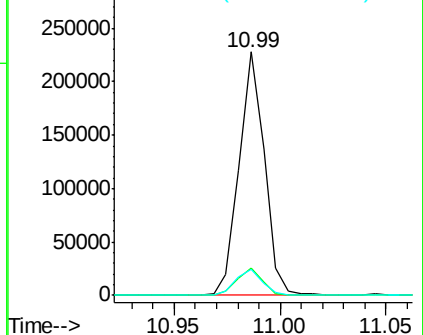
Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	9.4	14.2
80	10.9	10.2	15.2

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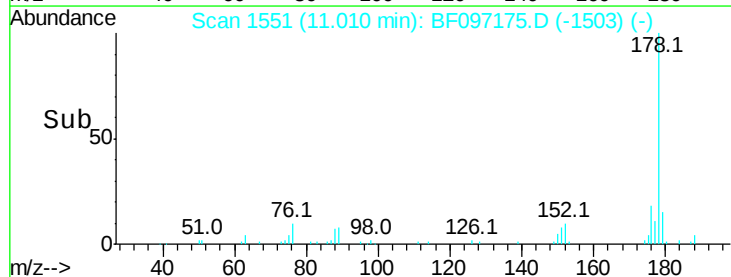
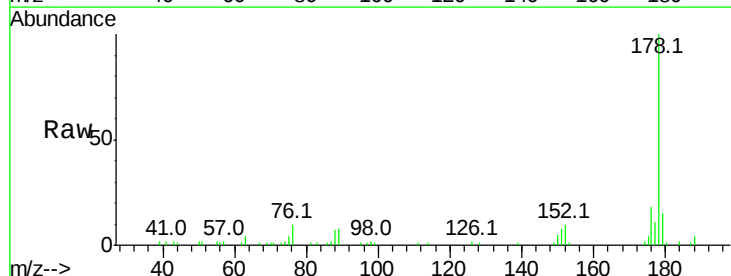
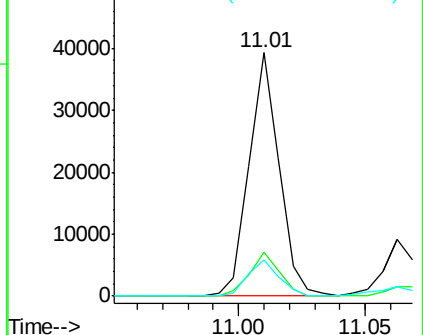
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

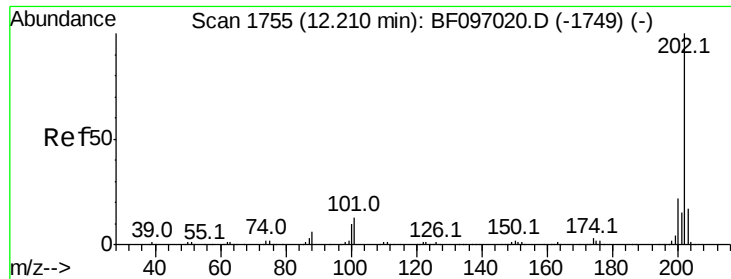


#70
Phenanthrene
Concen: 3.224 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.9	16.2	24.4
179	14.9	12.6	19.0

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





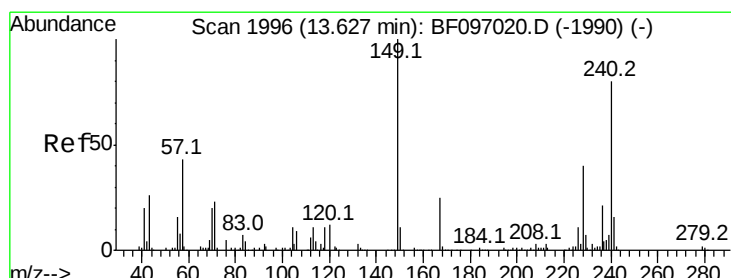
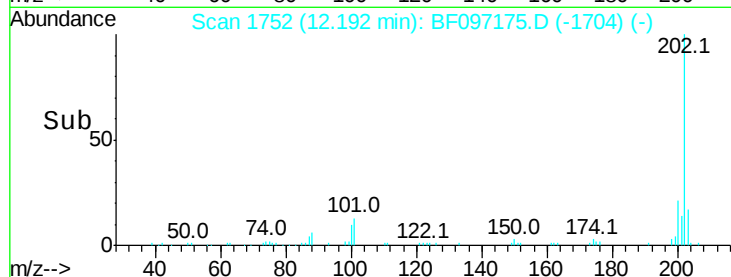
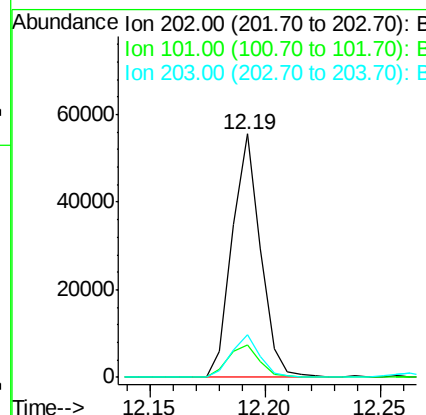
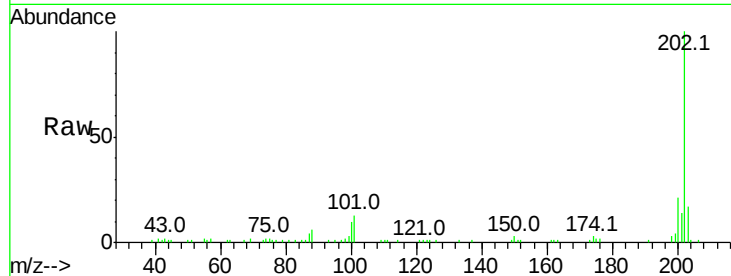
#74
 Fluoranthene
 Concen: 4.784 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.4	0.0	38.1

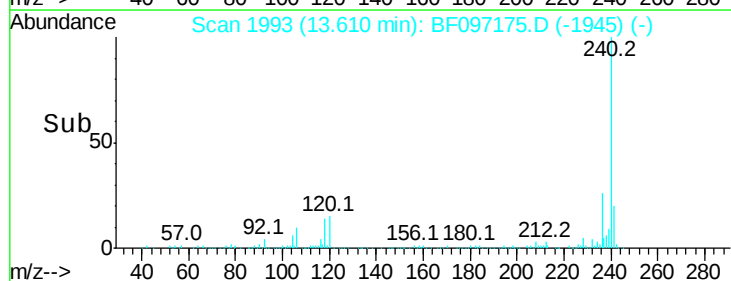
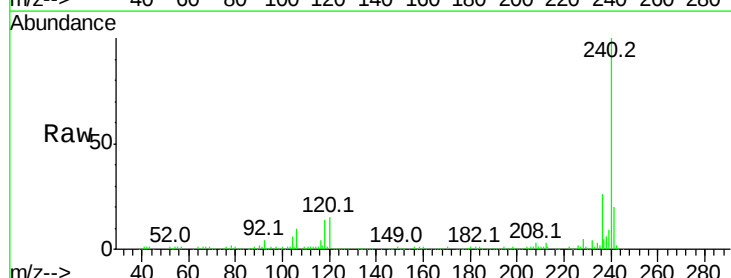
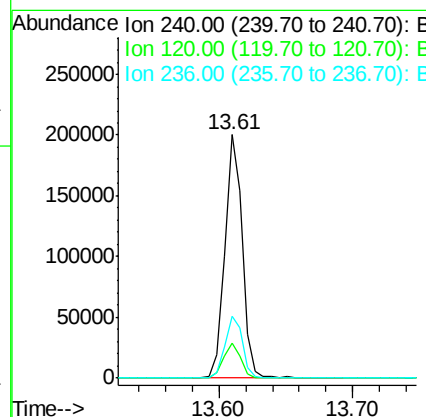
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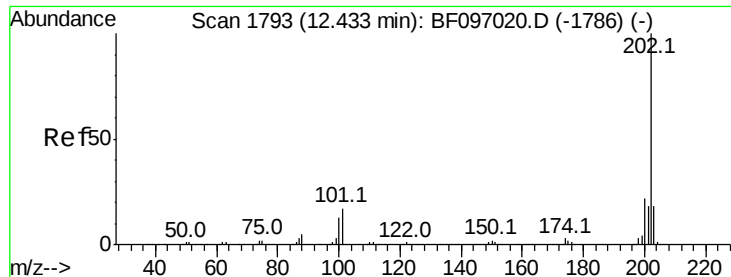
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.61 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.6	20.5	30.7





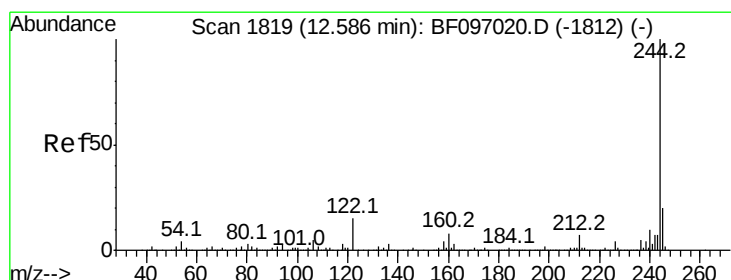
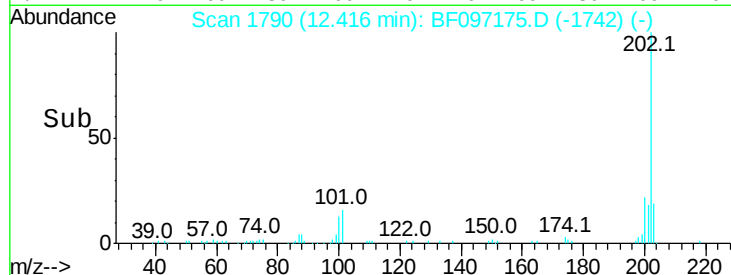
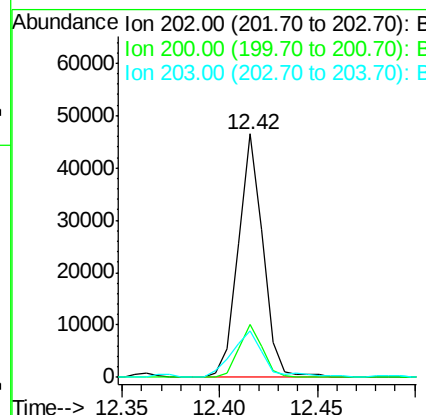
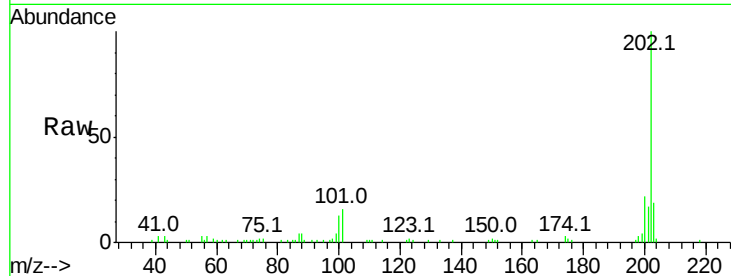
#77
Pvrene
Concen: 2.704 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Instrument :
BNA_F
ClientSampleId :
TP-14D24

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.0	17.6	26.4
203	19.2	14.4	21.6

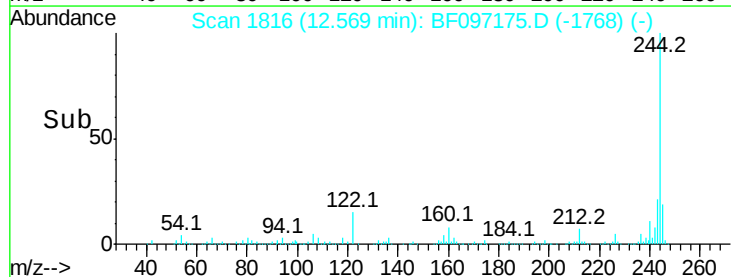
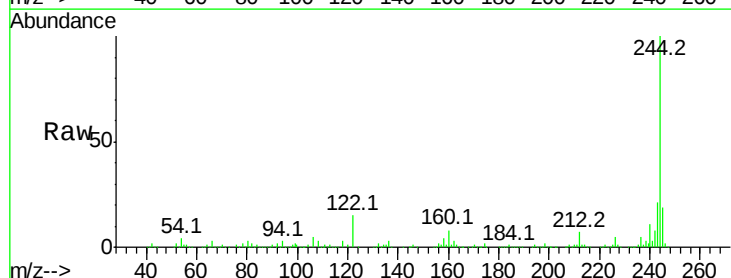
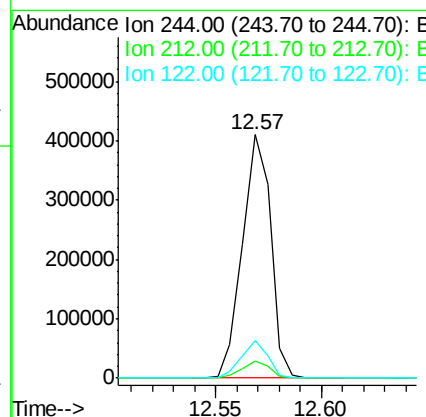
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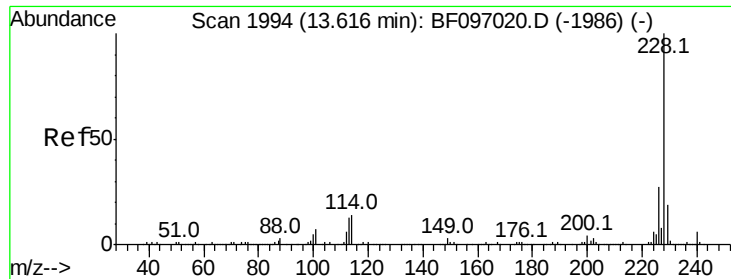
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#78
Terphenyl-d14
Concen: 42.041 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.4	10.3	15.5





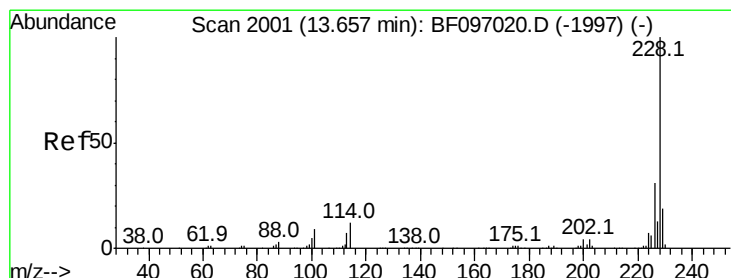
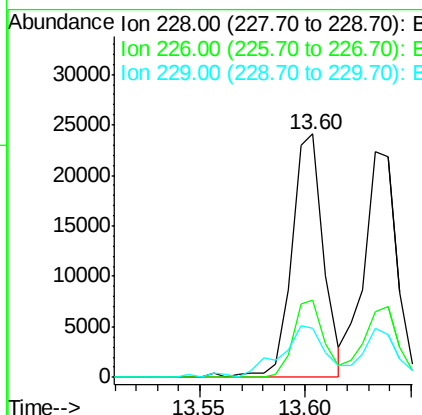
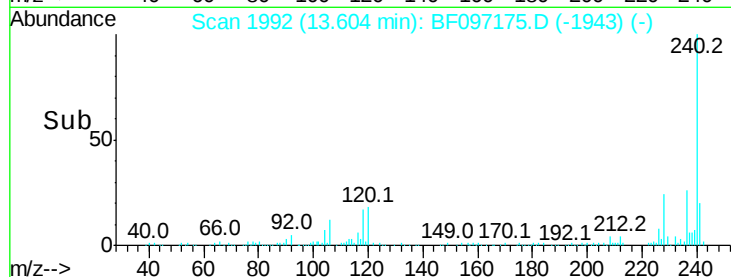
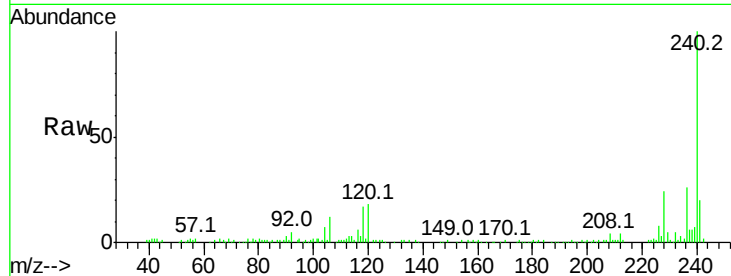
#80
Benzo(a)anthracene
Concen: 2.117 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Instrument :
BNA_F
ClientSampleId :
TP-14D24

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	20.2	16.3	24.5

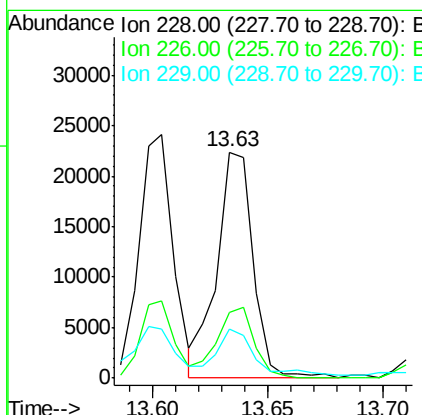
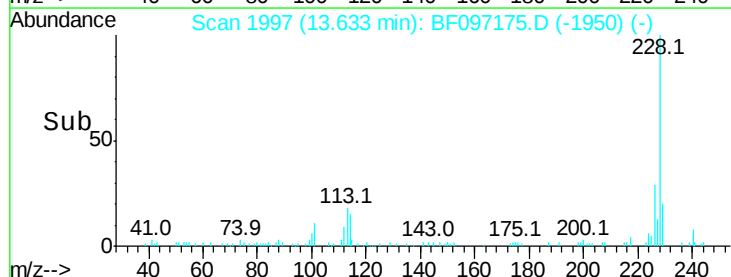
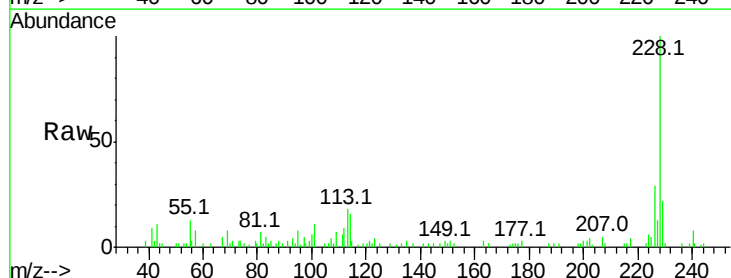
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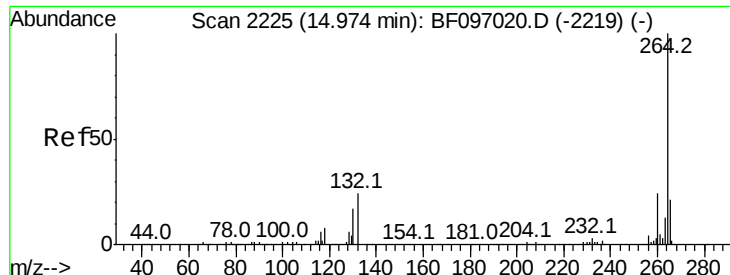
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#82
Chrysene
Concen: 2.104 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	21.8	15.8	23.6





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.96 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

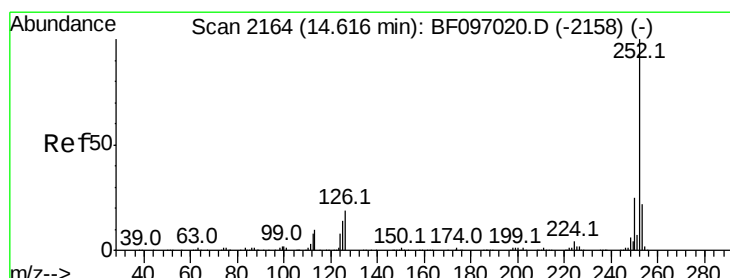
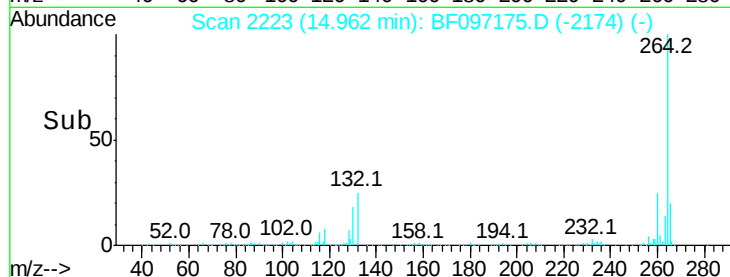
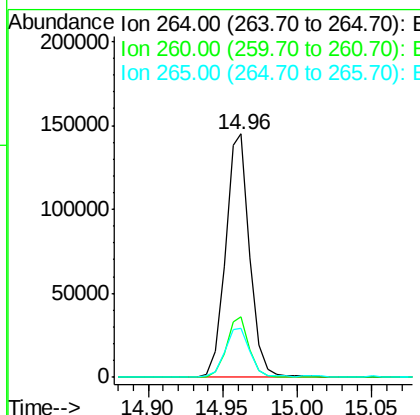
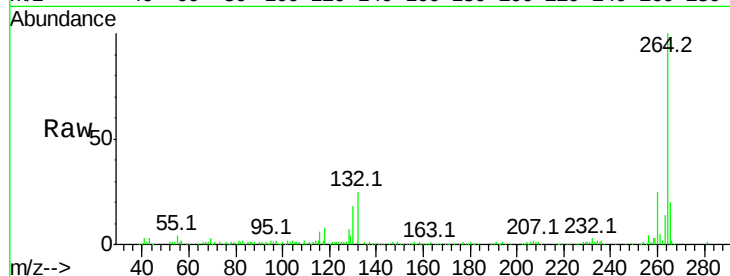
ClientSampleId :

TP-14D24

Tot Ion:	264	Resp:	165343
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.5	29.3
265	20.1	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 2.390 ng m

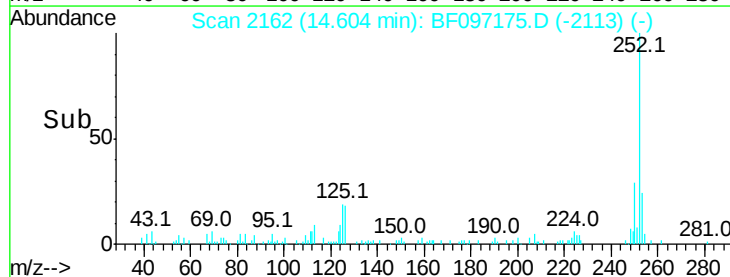
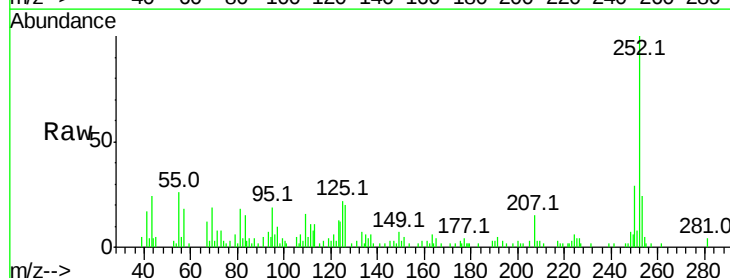
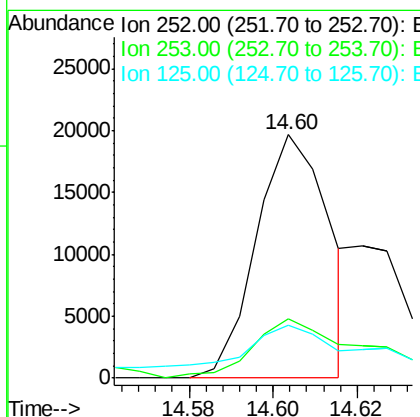
RT: 14.60 min Scan# 2162

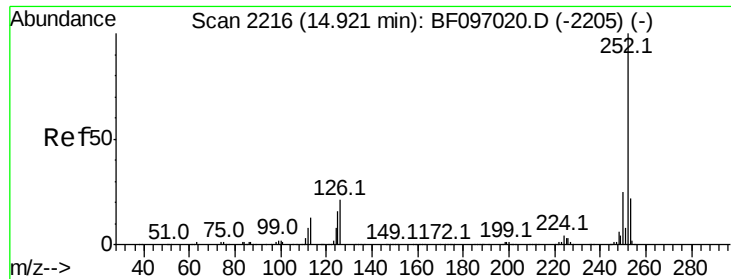
Delta R.T. -0.01 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Tgt Ion:	252	Resp:	23751
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	21.9	9.8	14.8#





#89

Benzo(a)pyrene

Concen: 2.073 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

ClientSampleId :

TP-14D24

Tot Ion:	252	Resp:	18854
Ion Ratio		Lower	Upper
252	100		
253	24.7	17.5	26.3
125	19.8	11.0	16.4

Manual Integrations
APPROVED

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