

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097446.D
 Acq On : 7 Aug 2017 23:13
 Operator : SJ/JU
 Sample : I4639-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-080317-B

Manual Integrations
 APPROVED

Sohil
 8/9/2017 9:21:01 PM

Quant Time: Aug 08 06:03:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	89505	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	361738	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	136436	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	198157	20.00	ng	0.00
75) Chrysene-d12	13.53	240	189108	20.00	ng	0.00
86) Perylene-d12	14.87	264	121265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	133983	22.57	ng	0.00
7) Phenol-d6	6.09	99	174766	25.78	ng	0.00
23) Nitrobenzene-d5	6.98	82	88019	14.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	23828	22.10	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	164704	20.49	ng	0.00
78) Terphenyl-d14	12.49	244	110654	11.93	ng	0.00
Target Compounds						
74) Fluoranthene	12.34	202	48060	4.621	ng	92
77) Pyrene	12.34	202	48060	3.104	ng	96
80) Benzo(a)anthracene	13.53	228	27138	2.218	ng	98
82) Chrysene	13.56	228	26177	2.191	ng	96
87) Benzo(b)fluoranthene	14.53	252	30423m	4.174	ng	
89) Benzo(a)pyrene	14.83	252	17583	2.636	ng	# 74

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

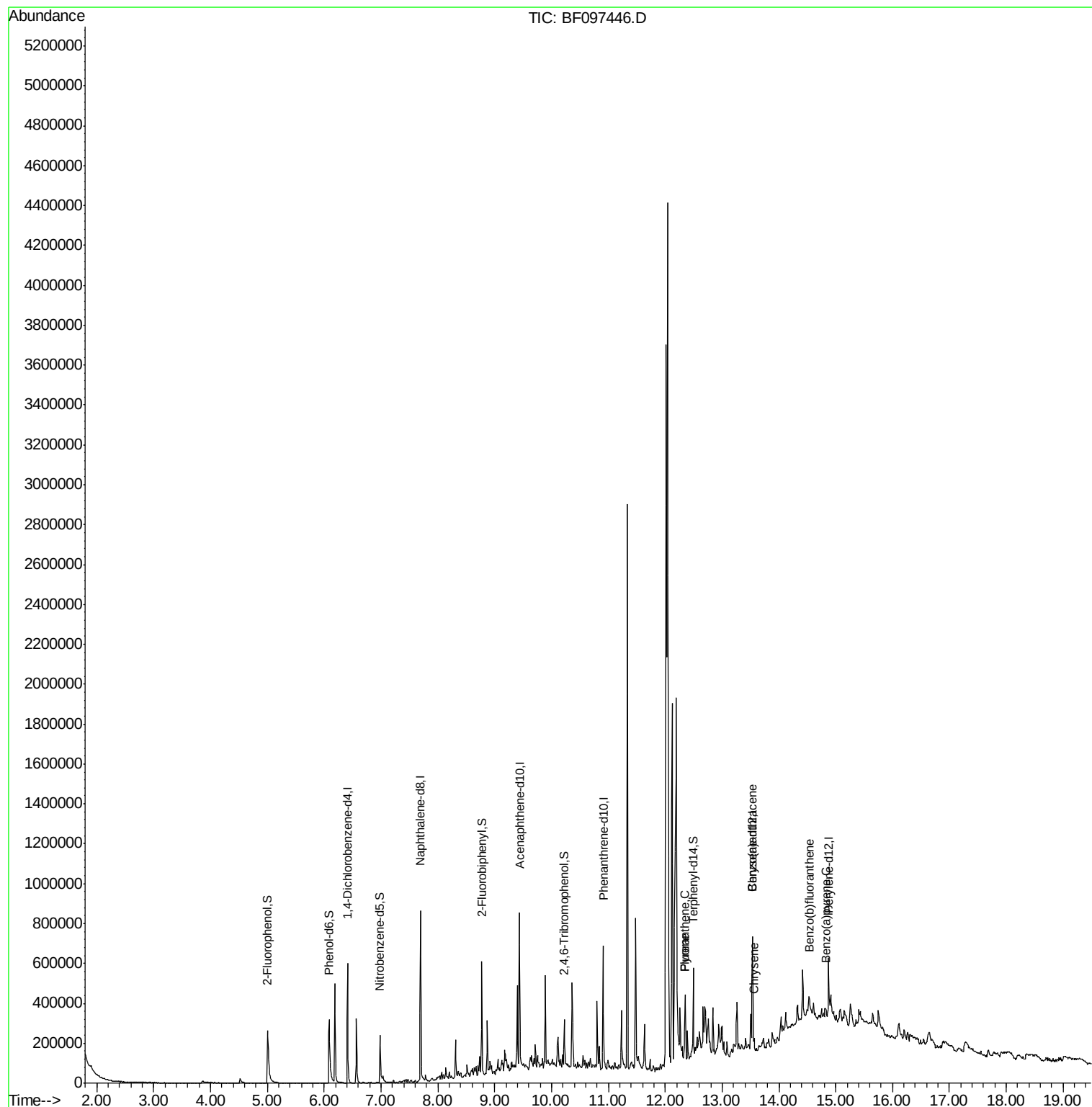
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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ALS Vial : 22 Sample Multiplier: 1

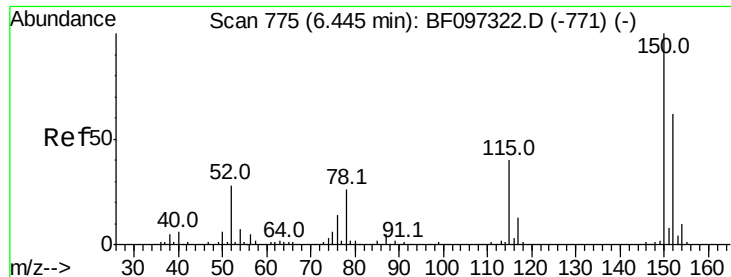
Instrument :
BNA_F
ClientSampleId :
SA-06-080317-B

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

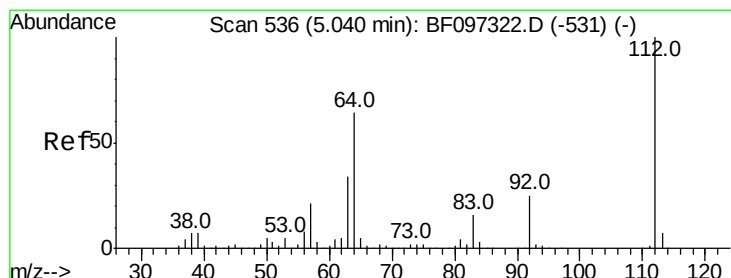
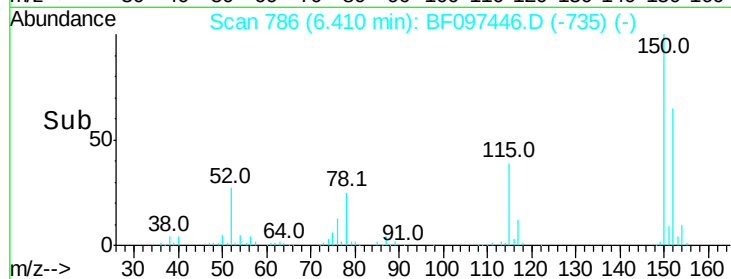
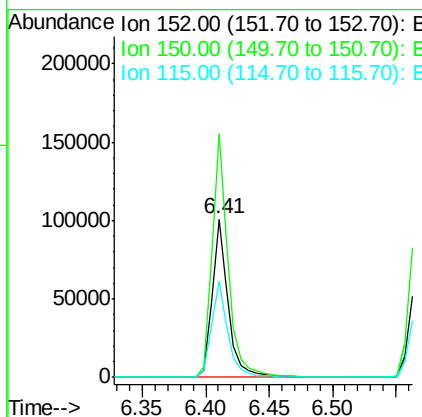
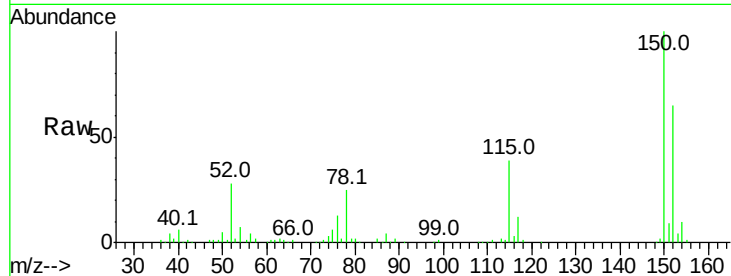
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	60.6	52.2	78.2

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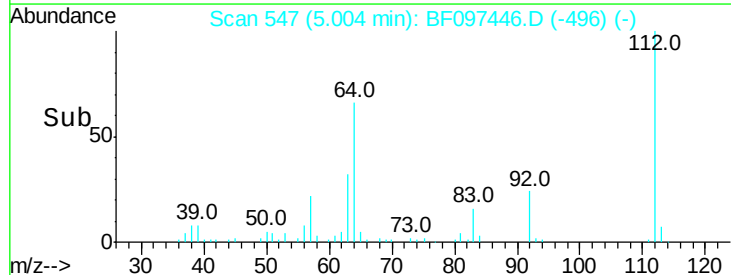
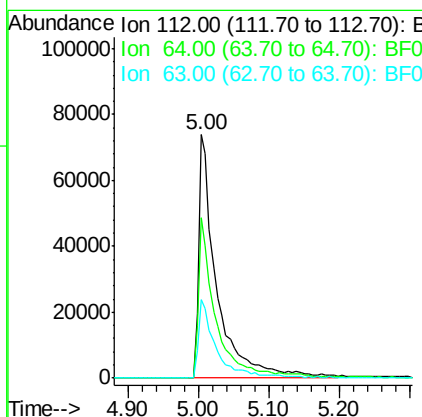
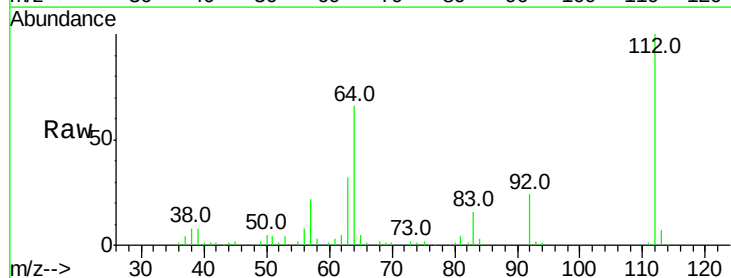
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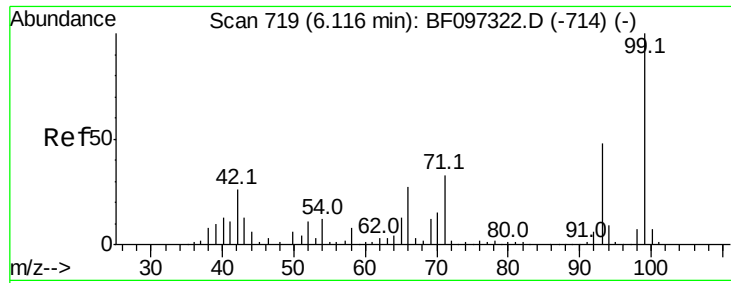


#5

2-Fluorophenol
Concen: 22.566 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 25.784 ng

RT: 6.09 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097446.D

Acq: 7 Aug 2017 23:13

Instrument :

BNA_F

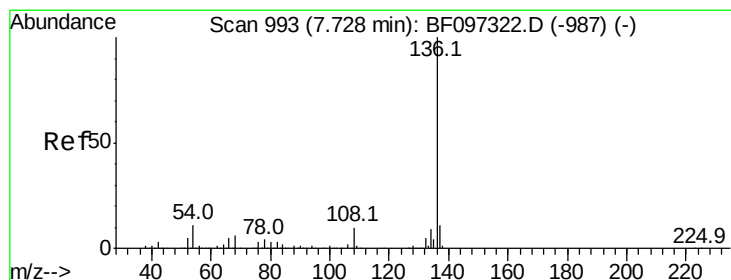
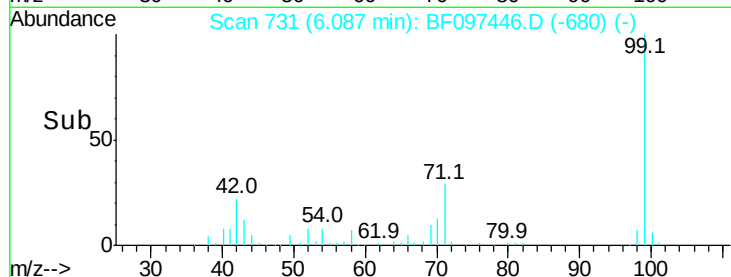
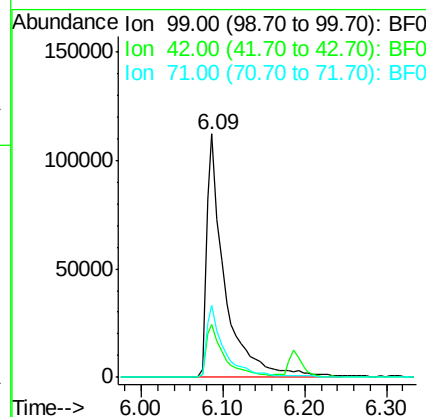
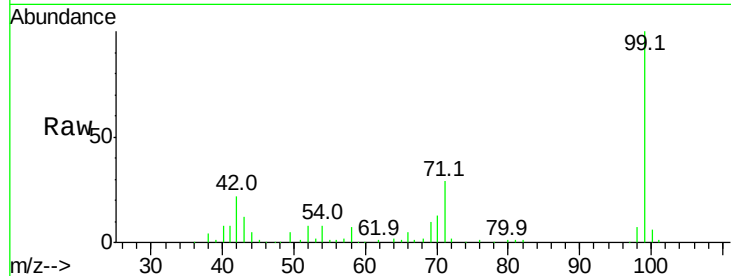
ClientSampleId :

SA-06-080317-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		174766		
42	21.9	13.5	20.3#		
71	29.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

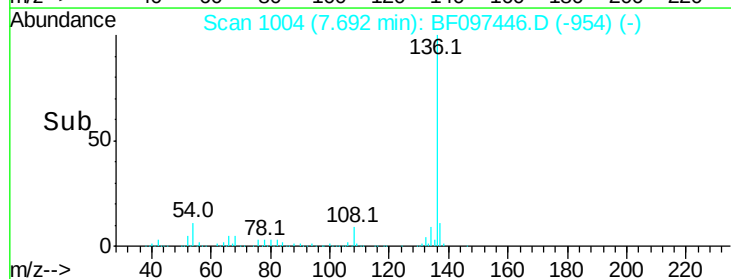
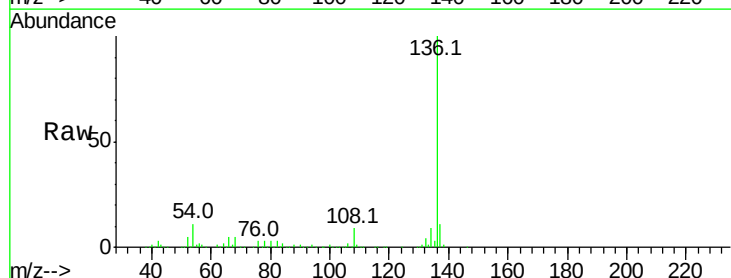
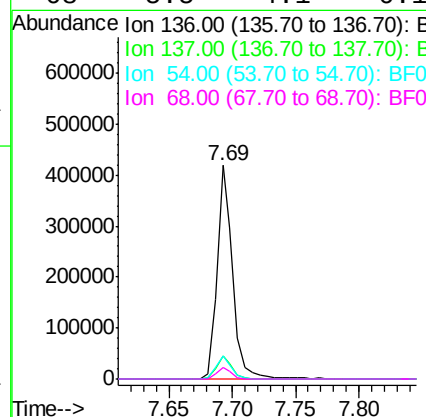
RT: 7.69 min Scan# 1004

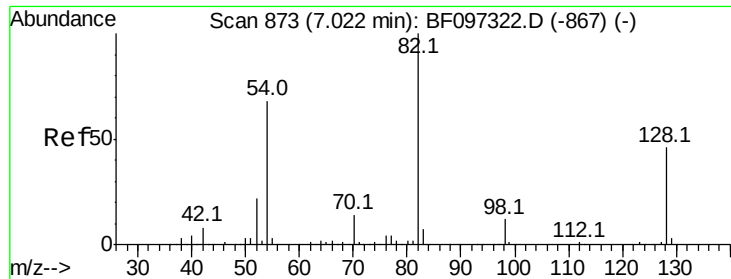
Delta R.T. -0.01 min

Lab File: BF097446.D

Acq: 7 Aug 2017 23:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		361738		
137	10.8	8.5	12.7		
54	10.8	4.9	7.3#		
68	5.5	4.1	6.1		





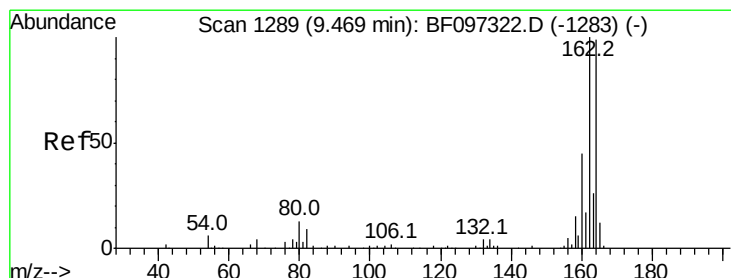
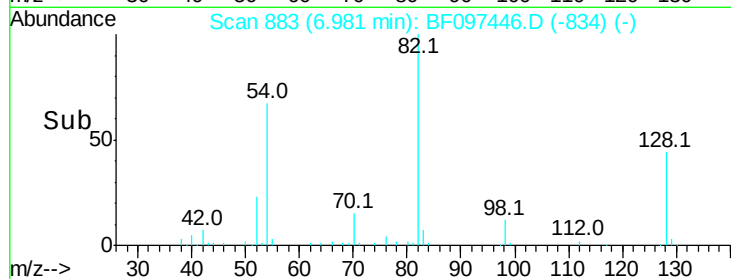
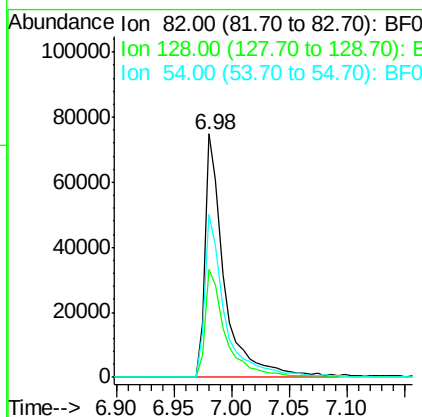
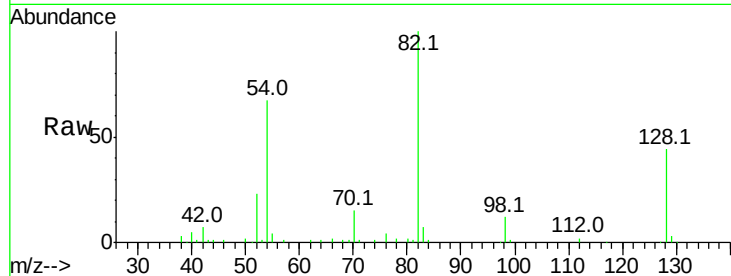
#23
Nitrobenzene-d5
Concen: 14.274 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.0	51.0
54	67.0	42.2	63.2

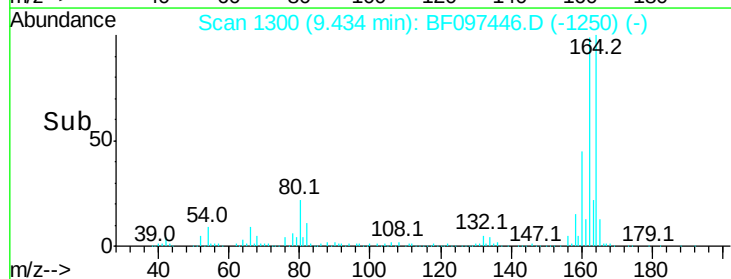
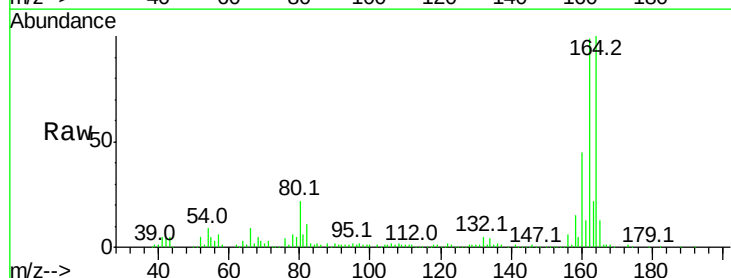
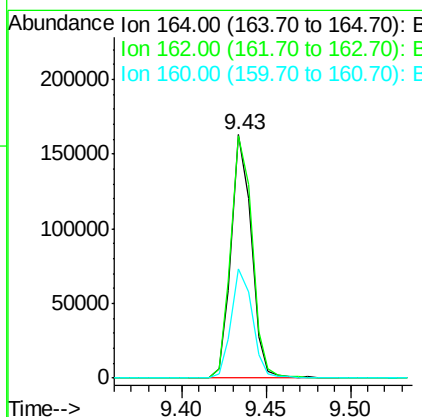
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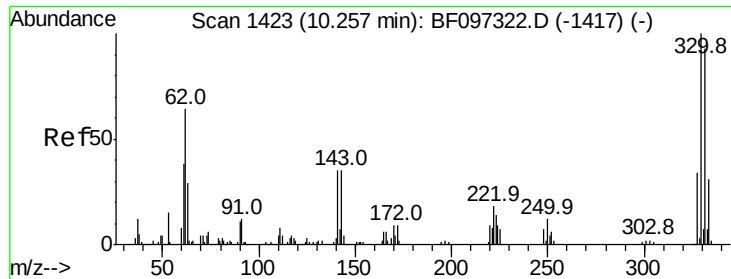
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	123.8
160	44.7	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 22.104 ng

RT: 10.23 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF097446.D

Acq: 7 Aug 2017 23:13

Instrument :

BNA_F

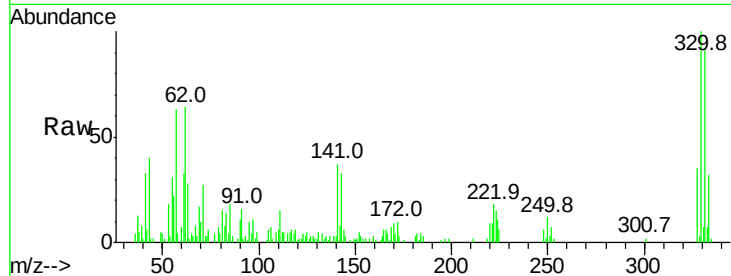
ClientSampleId :

SA-06-080317-B

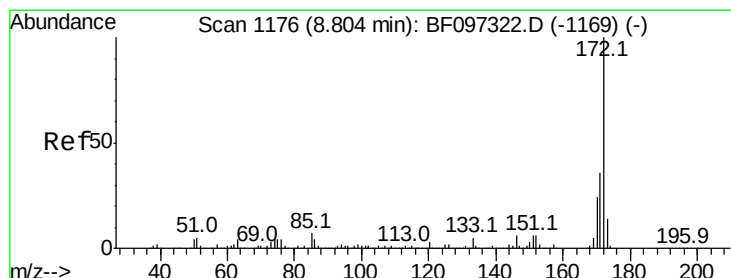
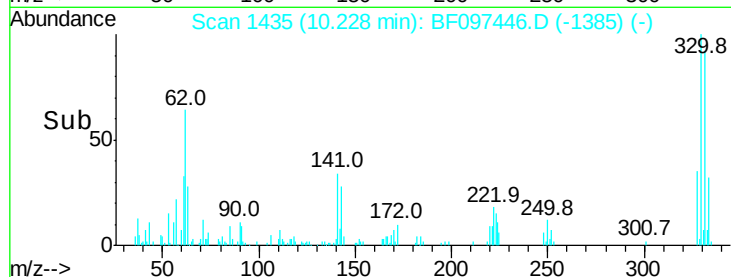
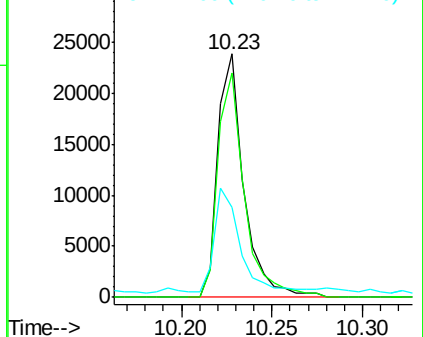
Tot Ion:	330	Resp:	23828
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.6	115.0
141	41.6	31.4	47.2

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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: 20.487 ng

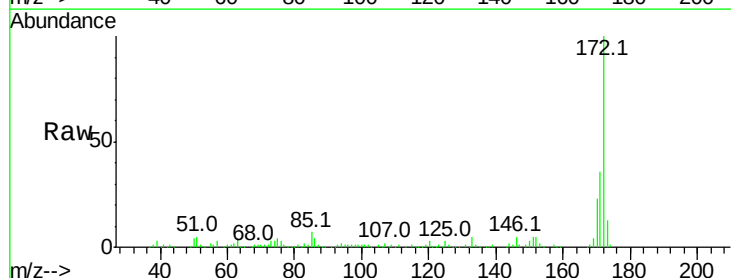
RT: 8.77 min Scan# 1187

Delta R.T. -0.01 min

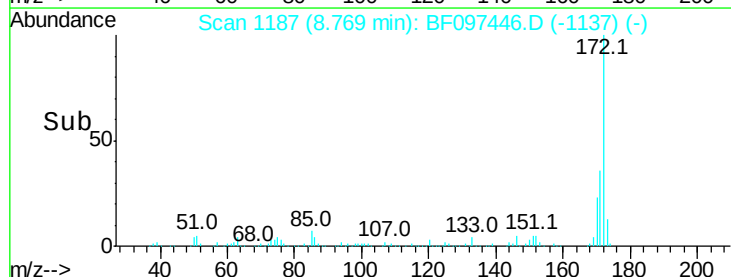
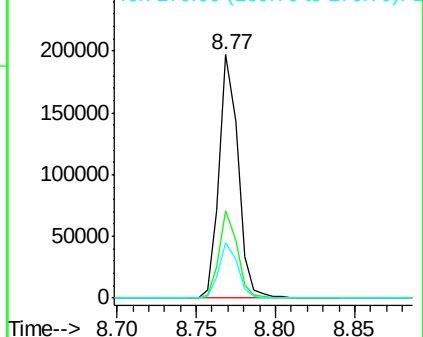
Lab File: BF097446.D

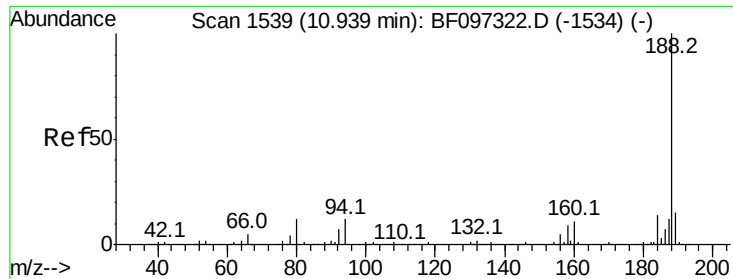
Acq: 7 Aug 2017 23:13

Tgt Ion:	172	Resp:	164704
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.6	44.4
170	22.8	19.8	29.8



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





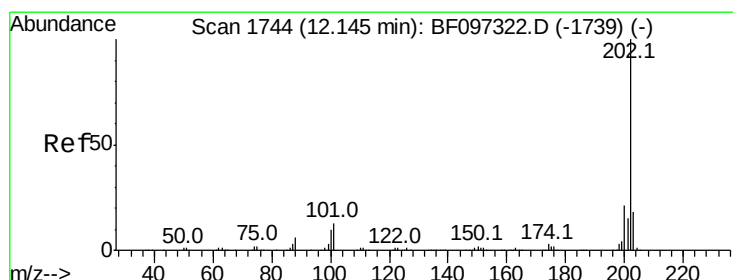
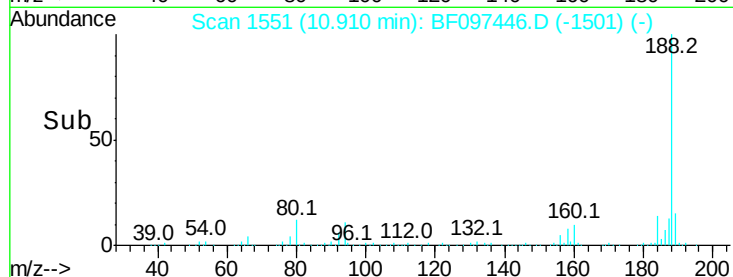
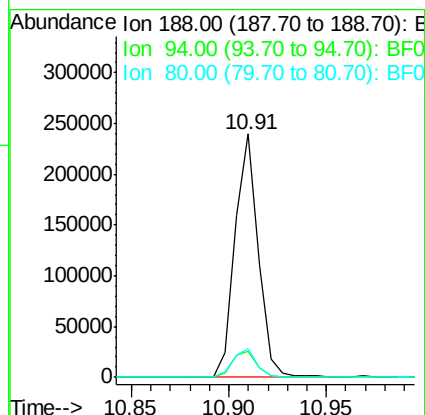
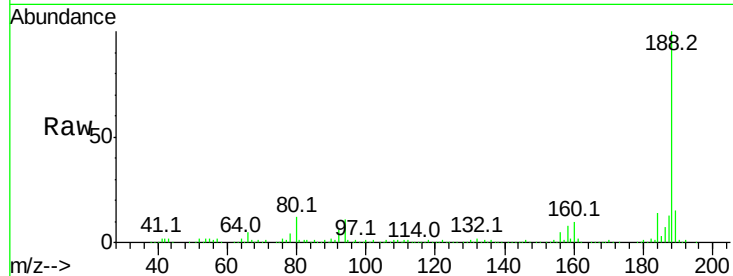
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-B

Tot Ion:	188	Resp:	198157
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.4	14.2
80	11.6	10.2	15.2

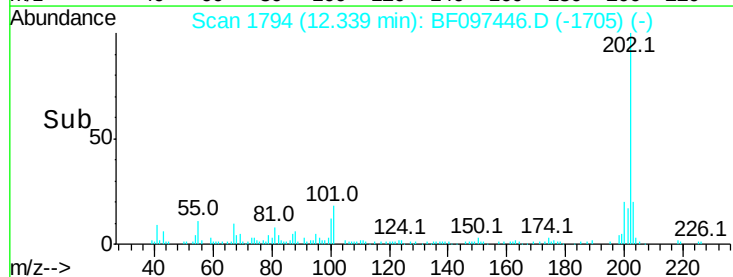
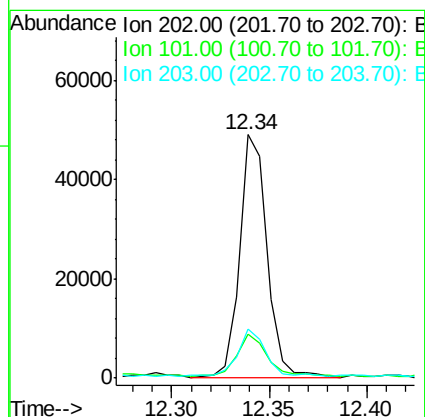
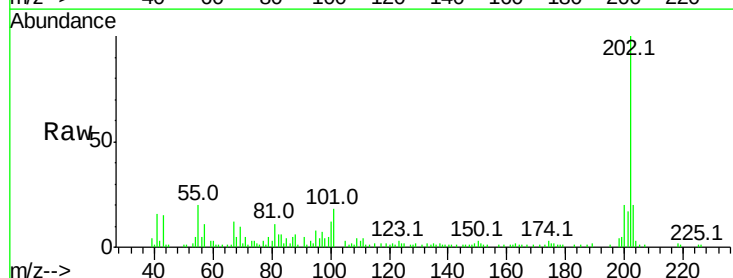
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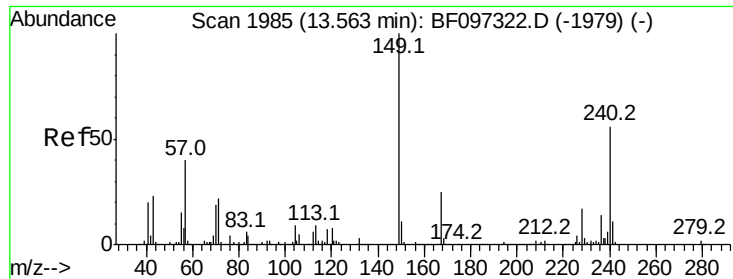
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#74
Fluoranthene
Concen: 4.621 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.22 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Tgt Ion:	202	Resp:	48060
Ion Ratio	Lower	Upper	
202	100		
101	17.8	0.0	33.2
203	20.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097446.D

Acq: 7 Aug 2017 23:13

Instrument :

BNA_F

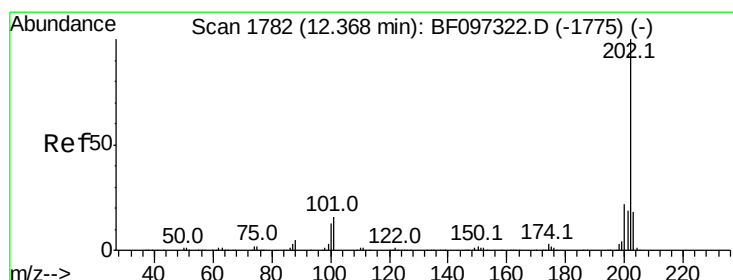
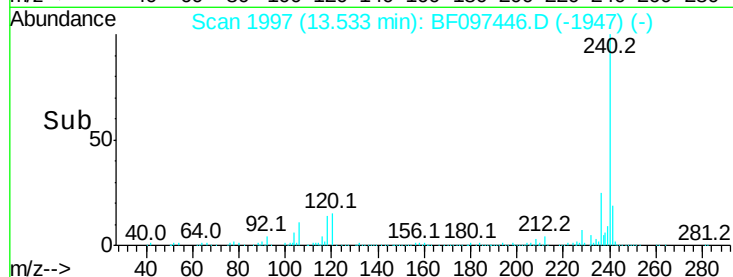
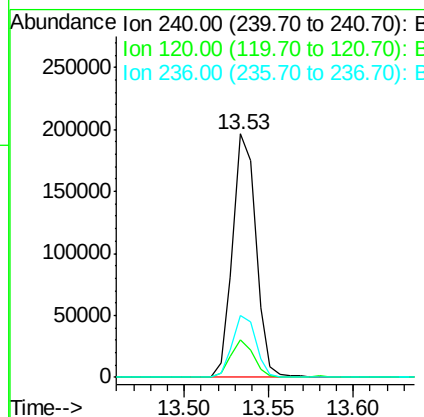
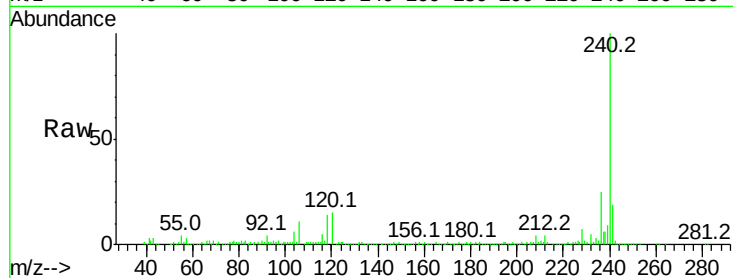
ClientSampleId :

SA-06-080317-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	189108		
120	15.2	5.8	8.8#	
236	25.4	20.5	30.7	

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#77

Pyrene

Concen: 3.104 ng

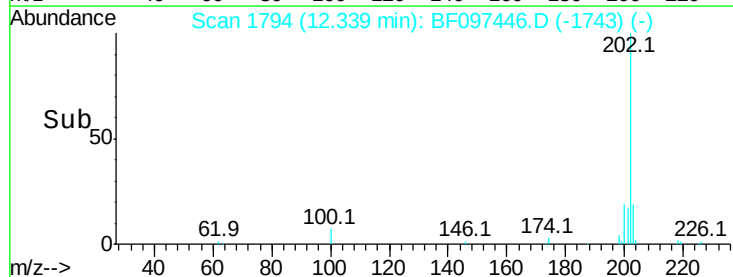
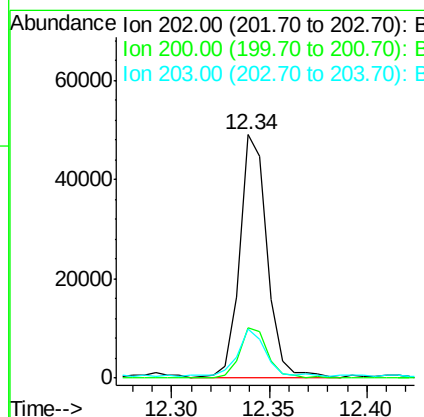
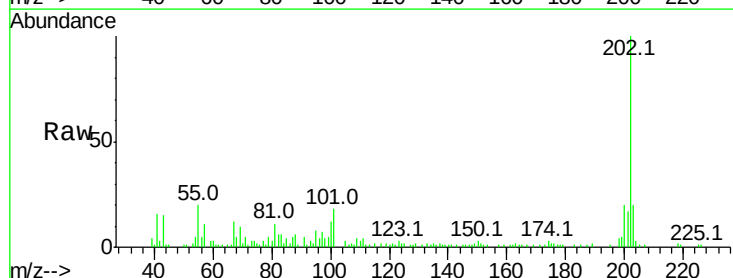
RT: 12.34 min Scan# 1794

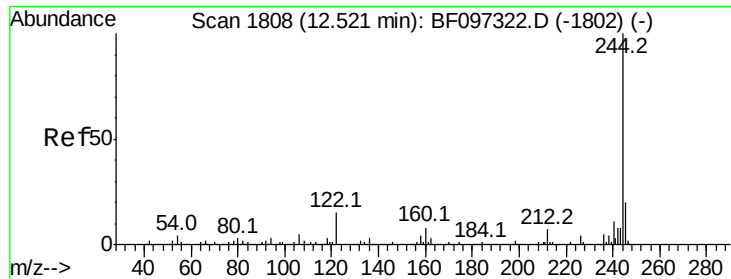
Delta R.T. 0.00 min

Lab File: BF097446.D

Acq: 7 Aug 2017 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	48060		
200	20.5	17.6	26.4	
203	20.3	14.4	21.6	





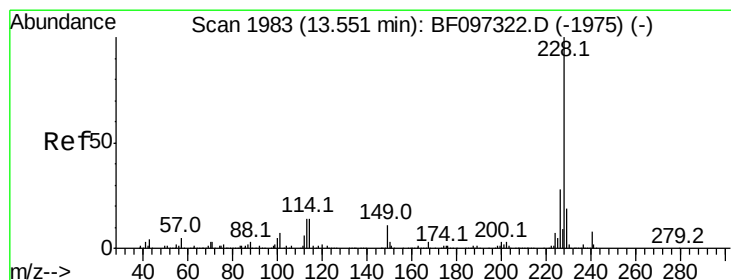
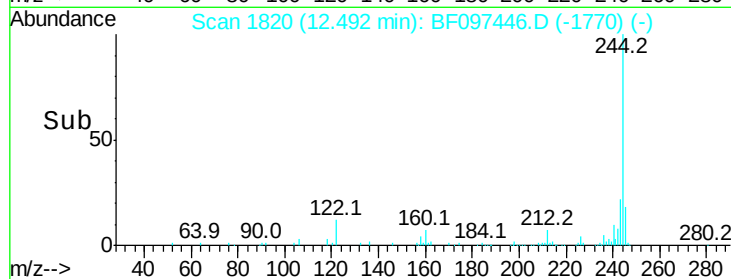
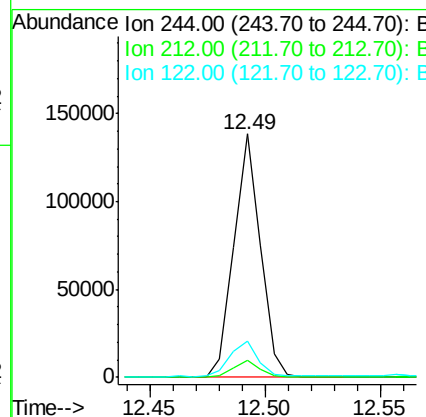
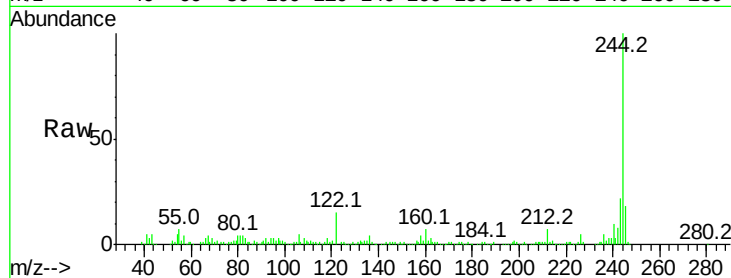
#78
 Terphenyl-d14
 Concen: 11.930 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097446.D
 Acq: 7 Aug 2017 23:13

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-080317-B

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	14.9	10.3	15.5	

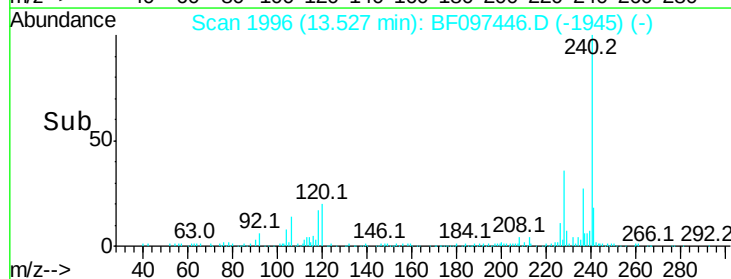
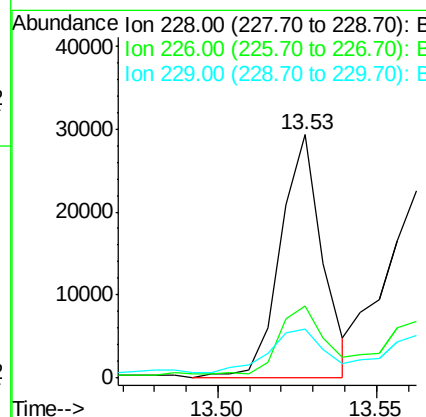
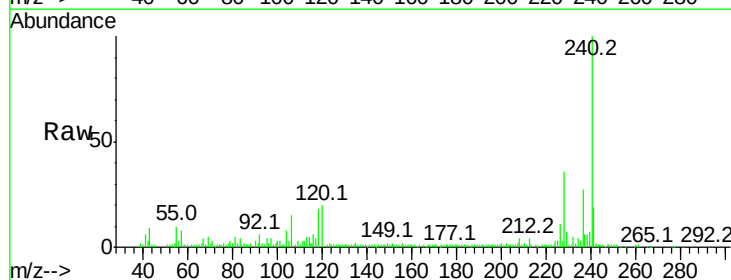
Manual Integrations
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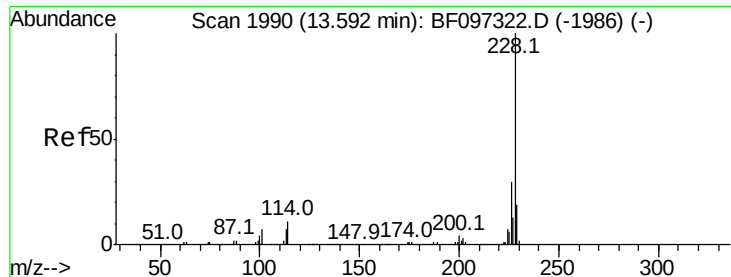
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#80
 Benzo(a)anthracene
 Concen: 2.218 ng
 RT: 13.53 min Scan# 1996
 Delta R.T. 0.00 min
 Lab File: BF097446.D
 Acq: 7 Aug 2017 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.5	22.6	33.8	
229	20.0	16.3	24.5	





#82

Chrysene

Concen: 2.191 ng

RT: 13.56 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF097446.D

Acq: 7 Aug 2017 23:13

Instrument :

BNA_F

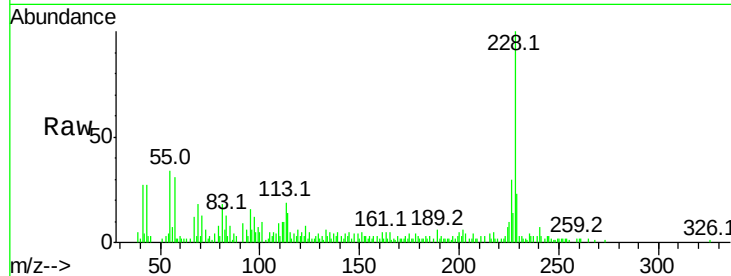
ClientSampleId :

SA-06-080317-B

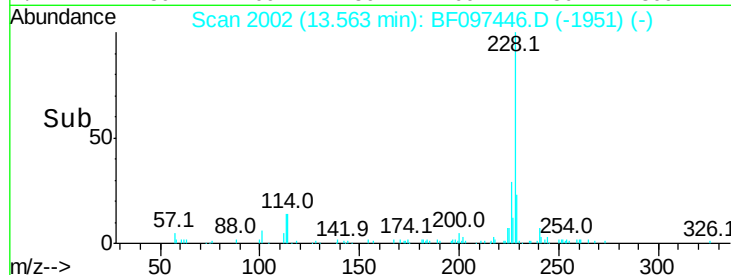
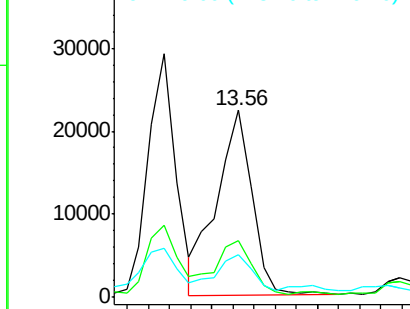
Tot Ion:	228	Resp:	26177
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	22.7	15.8	23.6

Manual Integrations
APPROVED

Sohil
8/9/2017 9:21:01 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

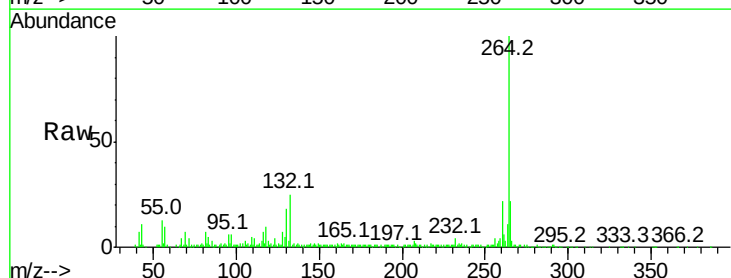
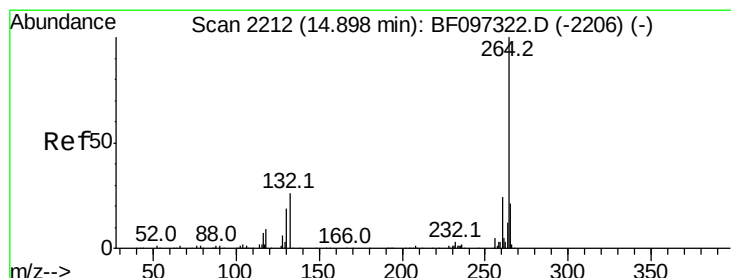
RT: 14.87 min Scan# 2225

Delta R.T. 0.01 min

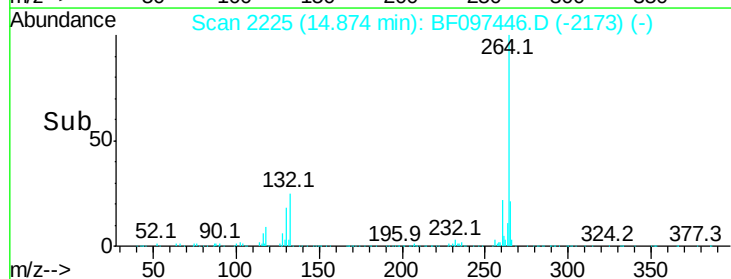
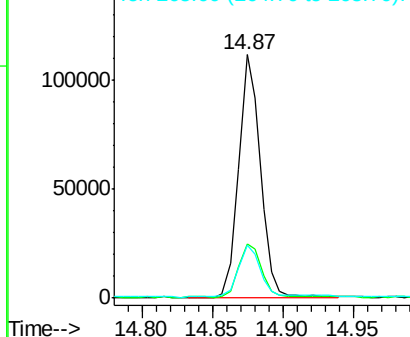
Lab File: BF097446.D

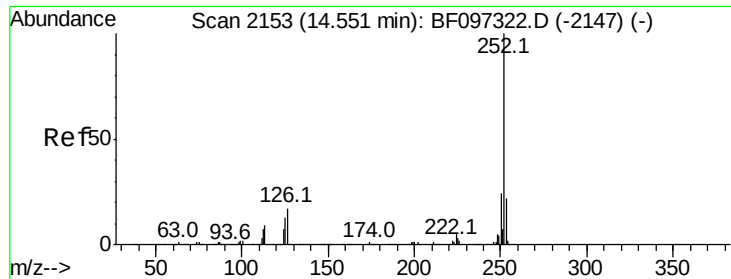
Acq: 7 Aug 2017 23:13

Tgt Ion:	264	Resp:	121265
Ion Ratio	Lower	Upper	
264	100		
260	22.2	19.5	29.3
265	21.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





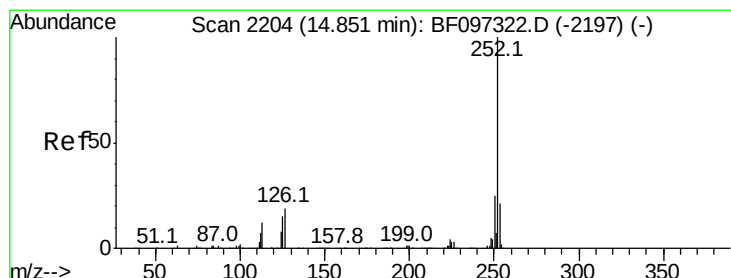
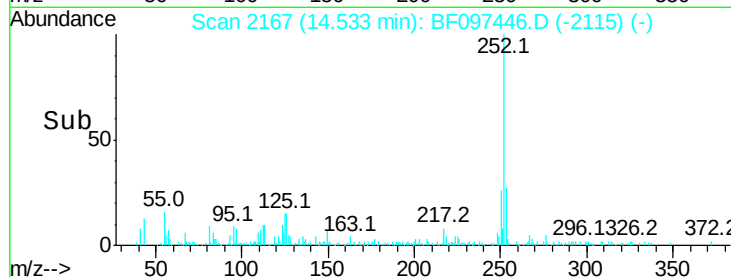
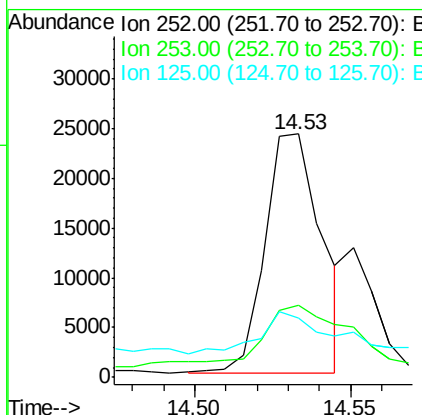
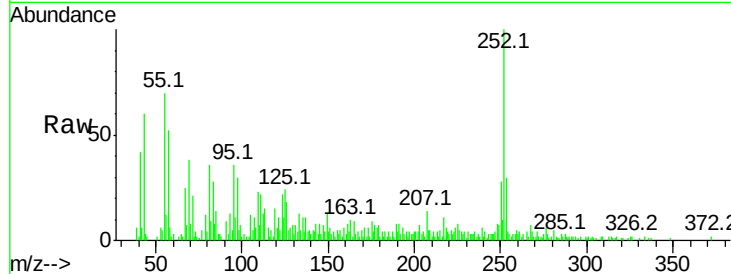
#87
Benzo(b)fluoranthene
Concen: 4.174 ng/mL
RT: 14.53 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Instrument :
BNA_F
ClientSampleId :
SA-06-080317-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.1	27.1#
125	24.4	9.8	14.8#

Manual Integrations
APPROVED

Sohil
8/9/2017 9:21:01 PM



#89
Benzo(a)pyrene
Concen: 2.636 ng/mL
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097446.D
Acq: 7 Aug 2017 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.5	26.3#
125	30.8	11.0	16.4#

