

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097618.D
 Acq On : 12 Aug 2017 3:53
 Operator : SJ/JU
 Sample : I4727-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-012

Manual Integrations
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Quant Time: Aug 14 01:13:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	82992	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	347200	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	142618	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	219933	20.00	ng	0.00
75) Chrysene-d12	18.46	240	206606	20.00	ng	0.00
86) Perylene-d12	20.13	264	191270	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	92814	17.78	ng	0.06
7) Phenol-d6	7.10	99	109371	16.89	ng	0.05
23) Nitrobenzene-d5	8.43	82	61496m	11.11	ng	0.01
41) 2,4,6-Tribromophenol	13.67	330	16080	14.83	ng	0.01
44) 2-Fluorobiphenyl	11.32	172	127346	13.48	ng	0.00
78) Terphenyl-d14	17.12	244	93078	9.32	ng	0.00
Target Compounds						
70) Phenanthrene	14.80	178	49061	3.873	ng	Qvalue 100
74) Fluoranthene	16.57	202	62067	5.422	ng	98
77) Pyrene	16.87	202	88308	5.169	ng	97
80) Benzo(a)anthracene	18.45	228	26185	2.170	ng	95
82) Chrysene	18.50	228	28274	2.356	ng	96
87) Benzo(b)fluoranthene	19.73	252	25495m	2.220	ng	
89) Benzo(a)pyrene	20.08	252	22491	2.133	ng	# 95

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

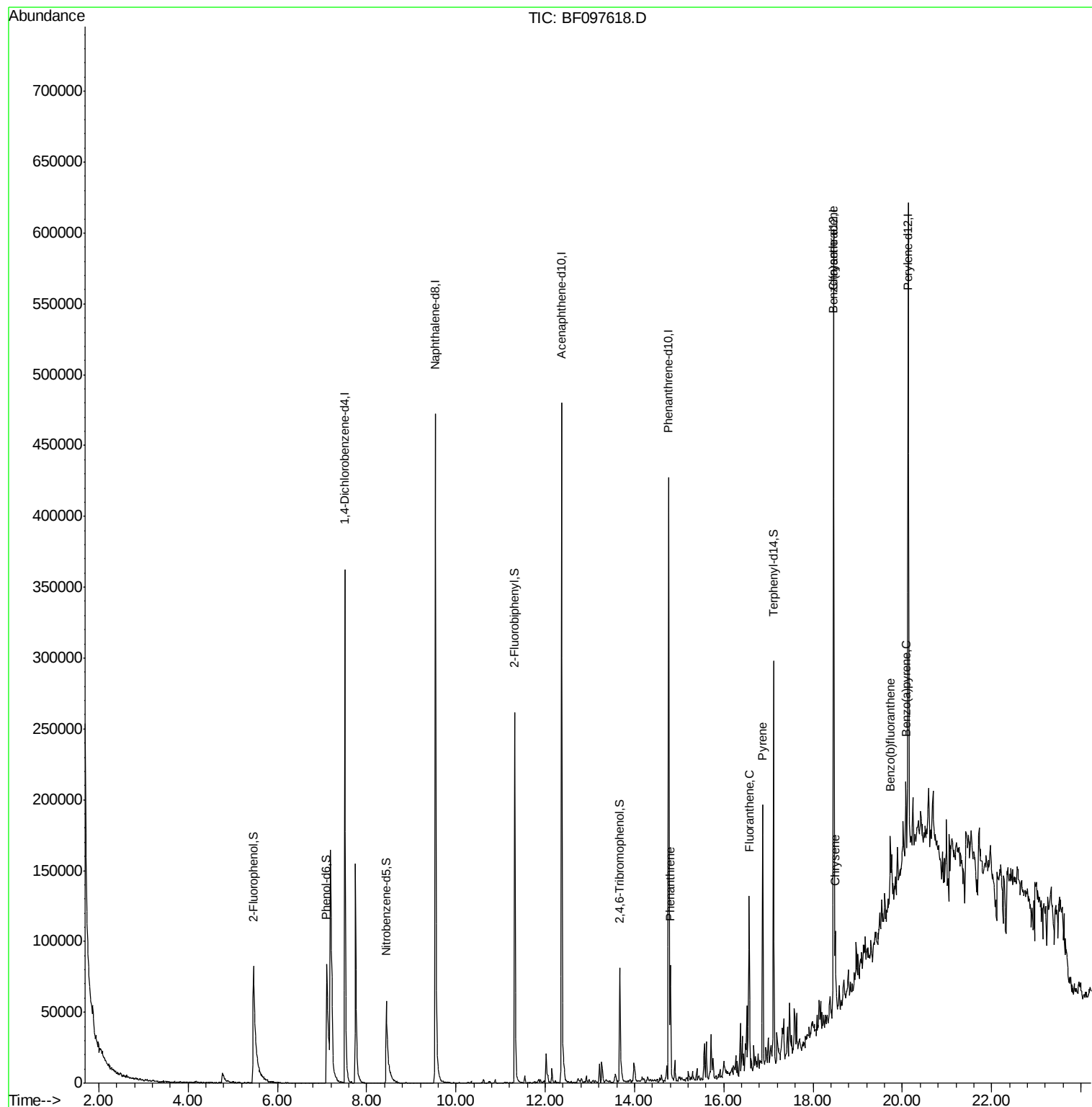
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097618.D
Acq On : 12 Aug 2017 3:53
Operator : SJ/JU
Sample : I4727-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

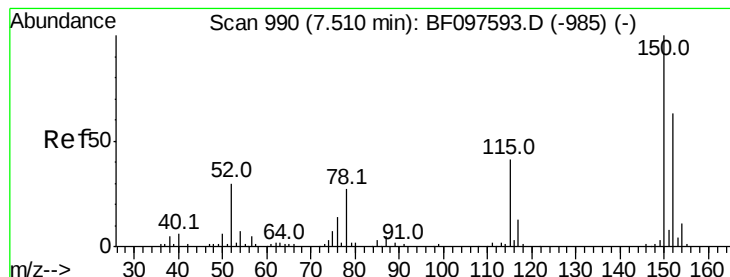
Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

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Quant Time: Aug 14 01:13:19 2017
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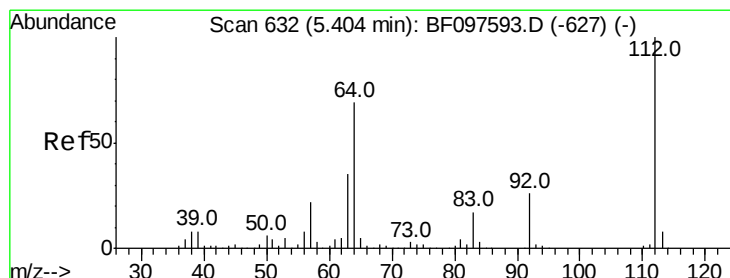
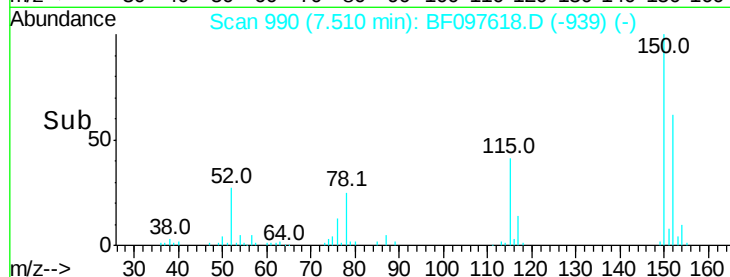
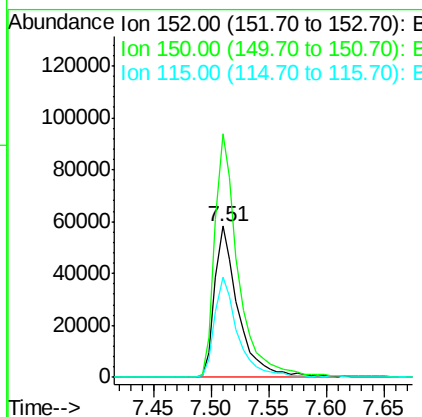
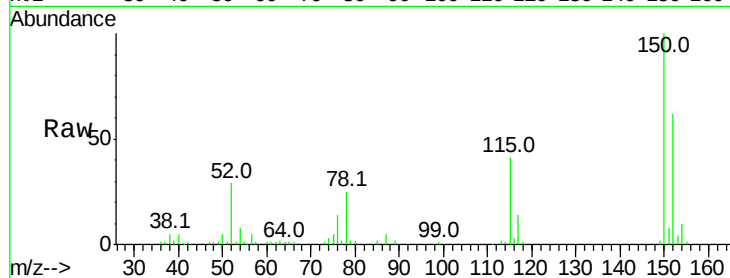
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.51 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BF097618.D
 Acq: 12 Aug 2017 3:53

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-012

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	126.2	189.2
115	66.7	52.2	78.2

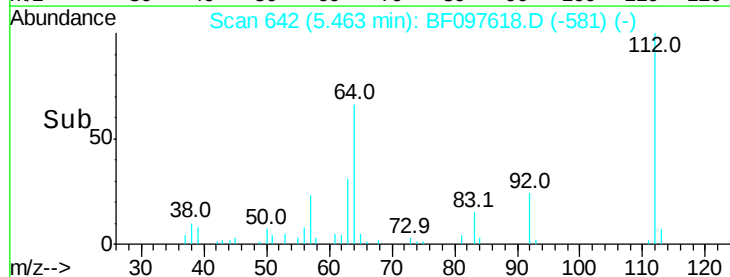
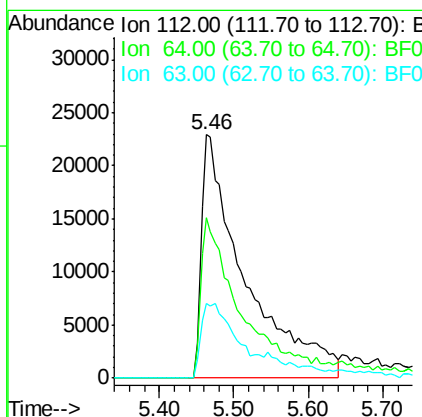
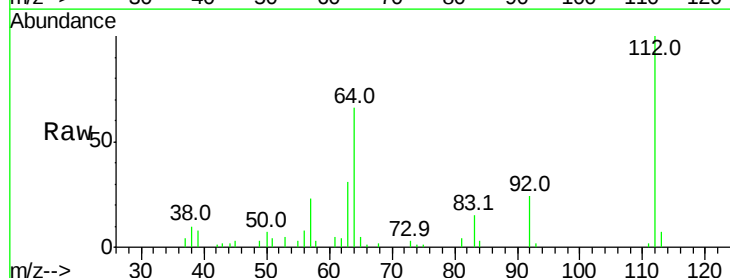
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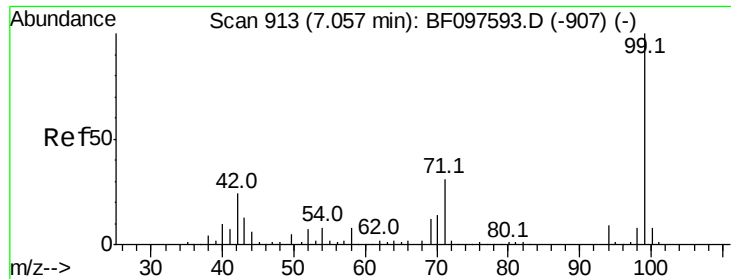
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#5
 2-Fluorophenol
 Concen: 17.776 ng
 RT: 5.46 min Scan# 642
 Delta R.T. 0.06 min
 Lab File: BF097618.D
 Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	30.5	23.4	35.0





#7

Phenol-d6

Concen: 16.886 ng

RT: 7.10 min Scan# 921

Delta R.T. 0.05 min

Lab File: BF097618.D

Acq: 12 Aug 2017 3:53

Instrument :

BNA_F

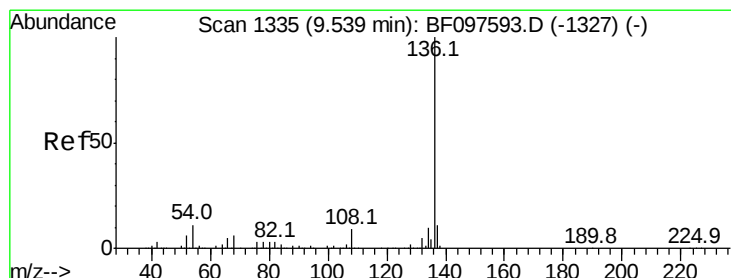
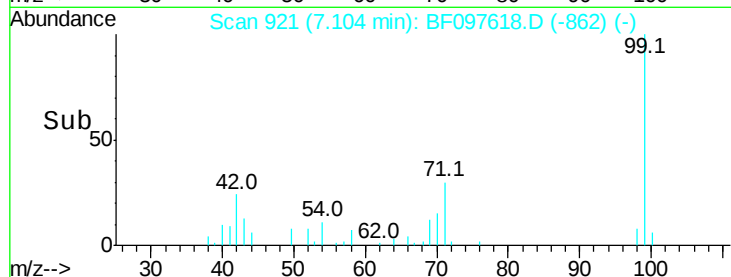
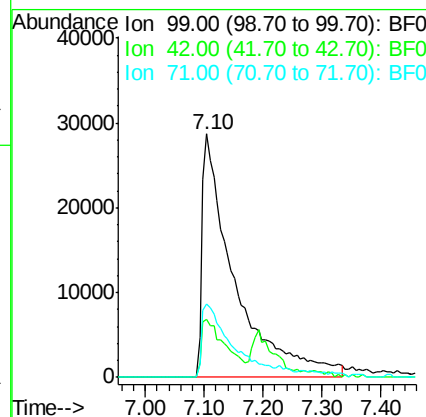
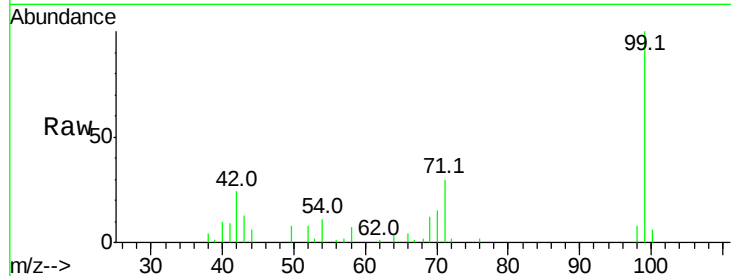
ClientSampleId :

FK-PS-01-012

Tot Ion:	99	Resp:	109371
Ion Ratio	Lower	Upper	
99	100		
42	23.9	13.5	20.3#
71	30.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

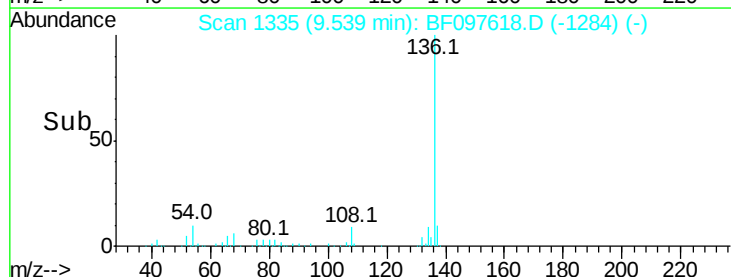
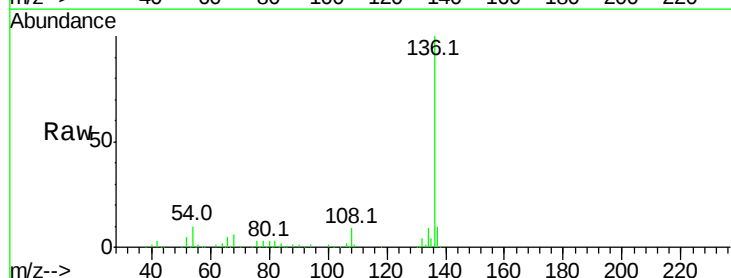
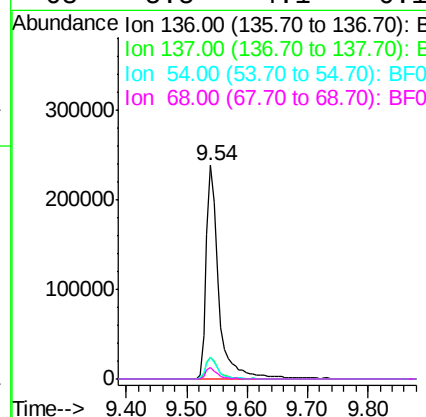
RT: 9.54 min Scan# 1335

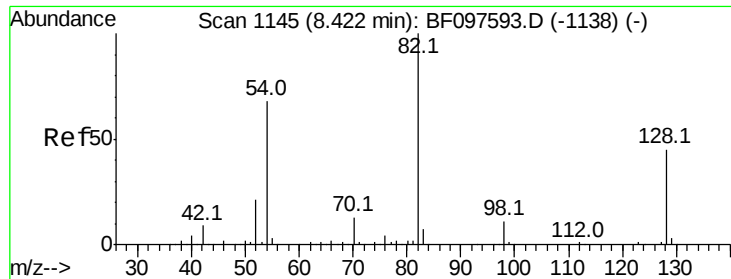
Delta R.T. -0.00 min

Lab File: BF097618.D

Acq: 12 Aug 2017 3:53

Tgt Ion:	136	Resp:	347200
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	10.4	4.9	7.3#
68	5.5	4.1	6.1





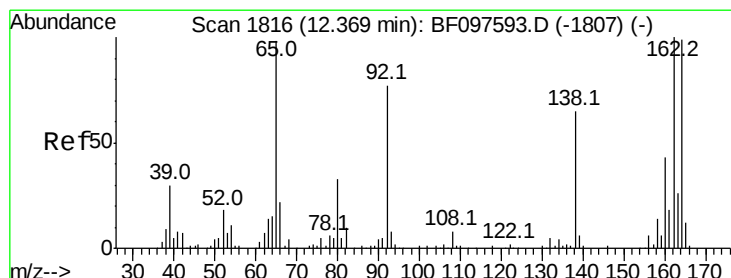
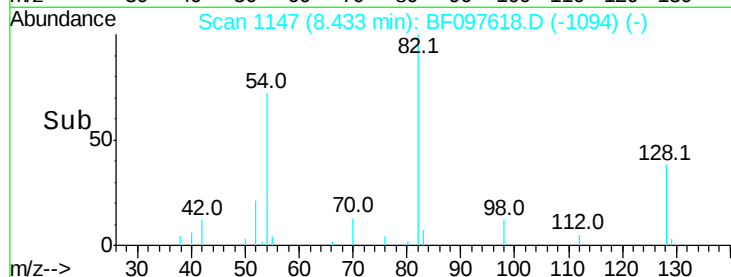
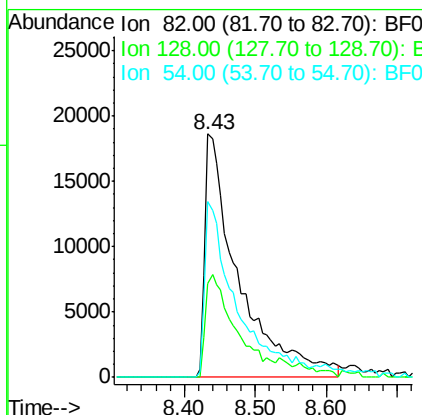
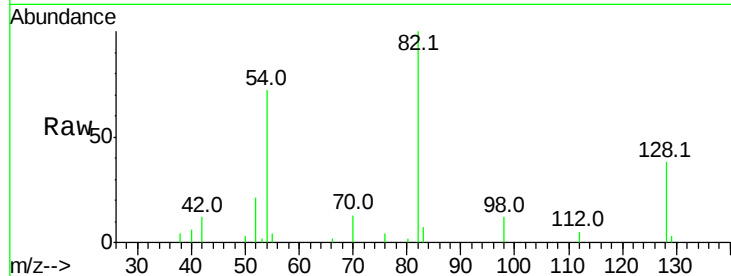
#23
Nitrobenzene-d5
Concen: 11.106 ng m
RT: 8.43 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	34.0	51.0
54	72.4	42.2	63.2

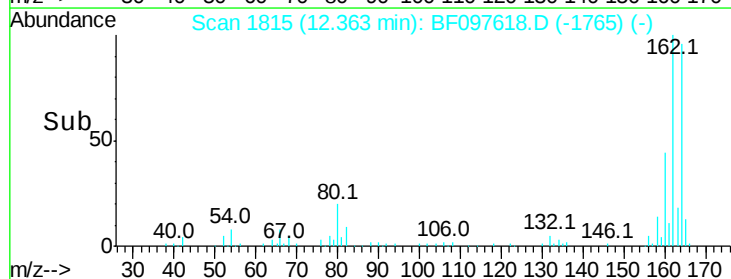
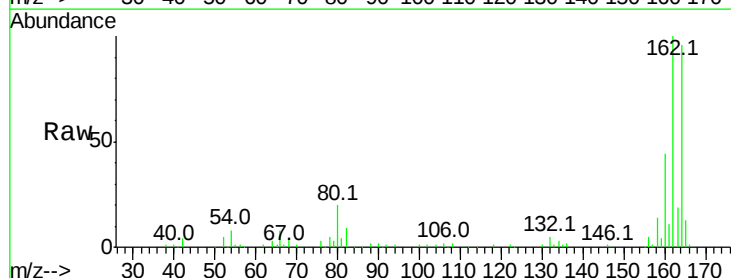
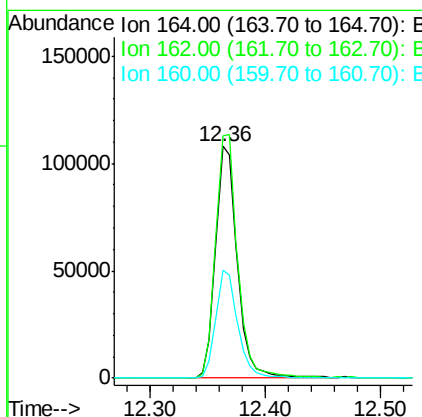
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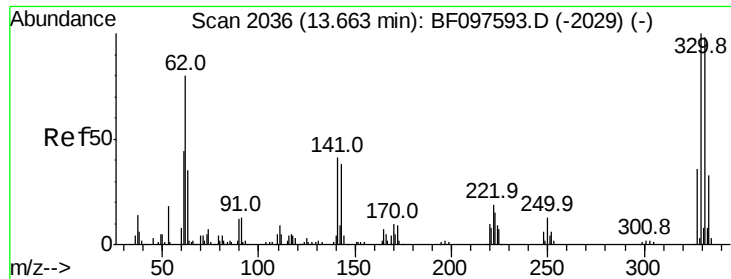
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.36 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	46.4	36.2	54.2





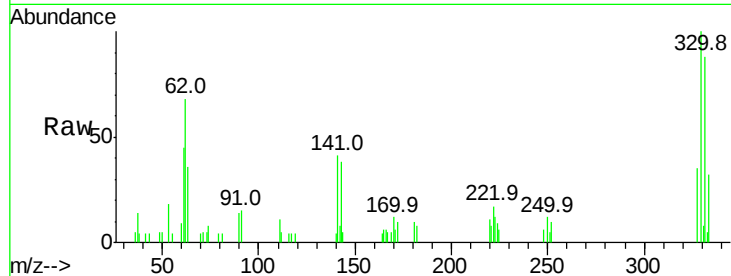
#41
 2,4,6-Tribromophenol
 Concen: 14.832 ng
 RT: 13.67 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF097618.D
 Acq: 12 Aug 2017 3:53

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-012

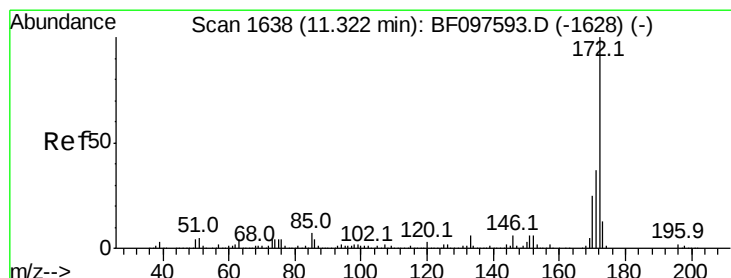
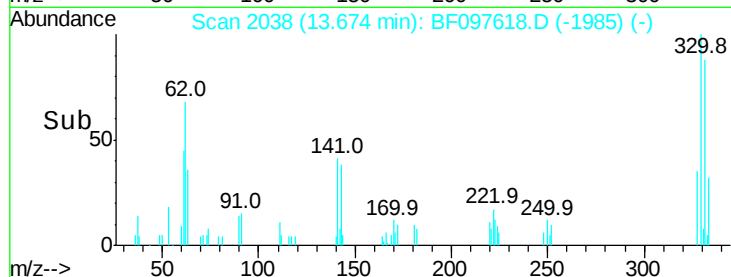
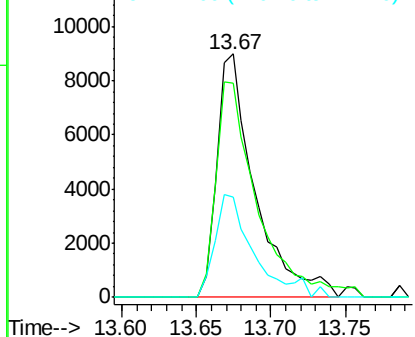
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	43.3	31.4	47.2

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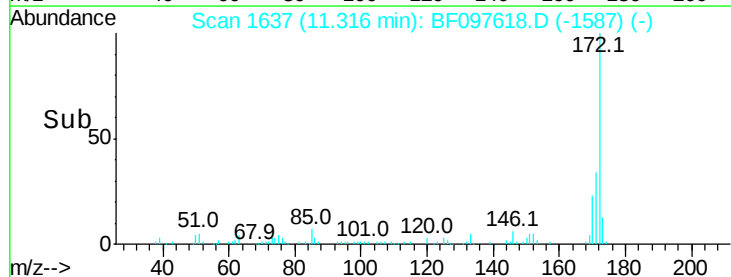
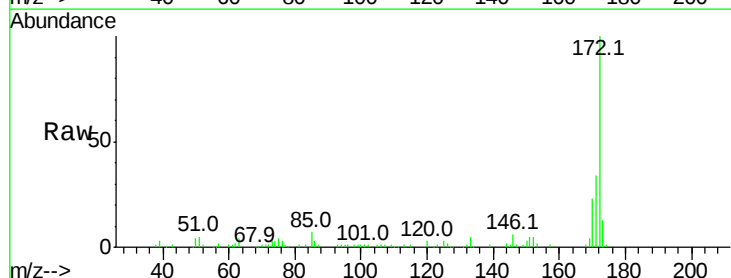
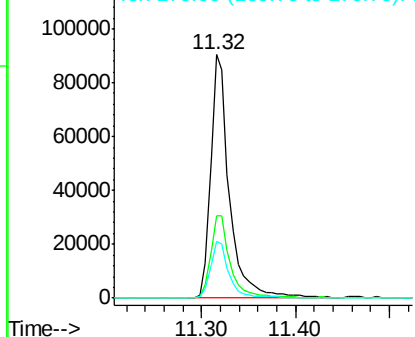
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

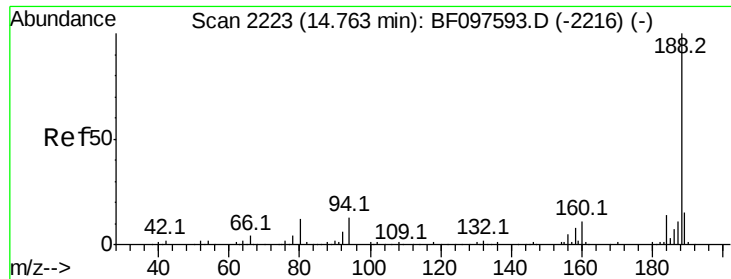


#44
 2-Fluorobiphenyl
 Concen: 13.476 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097618.D
 Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.6	44.4
170	23.1	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





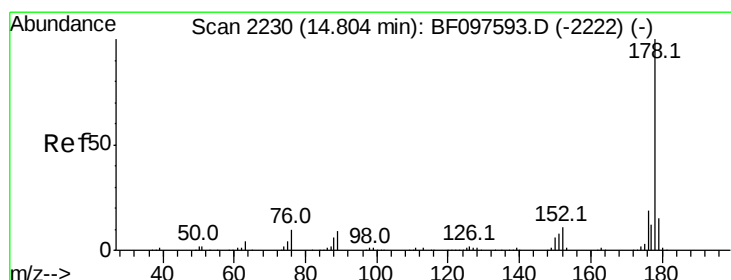
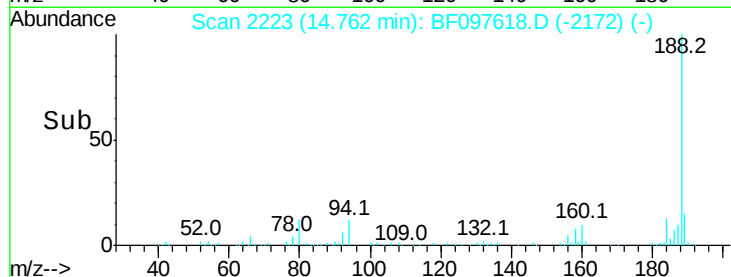
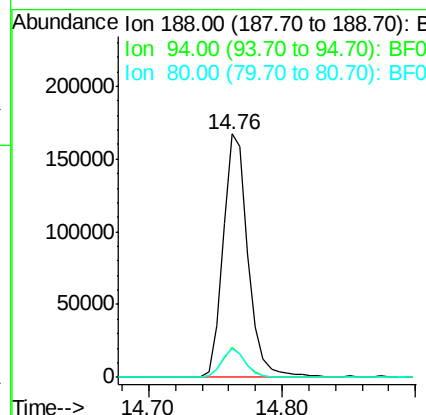
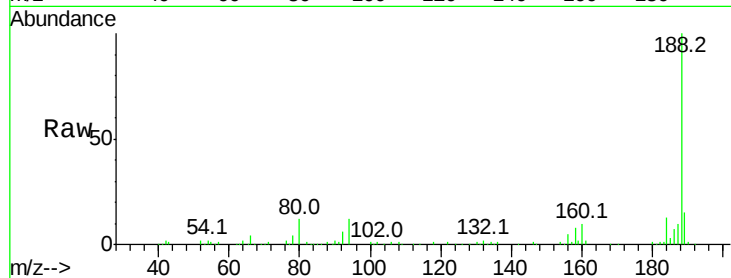
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

Tot Ion	Ratio	Resp	Lower	Upper
188	100	219933		
94	12.1		9.4	14.2
80	11.6		10.2	15.2

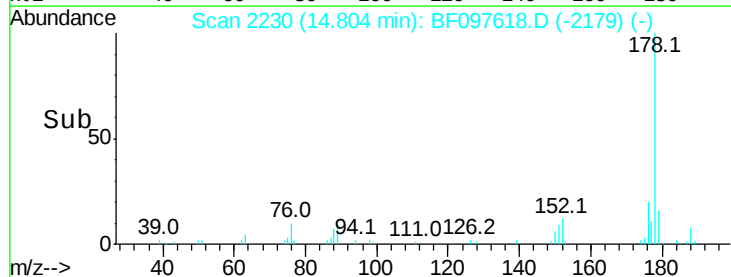
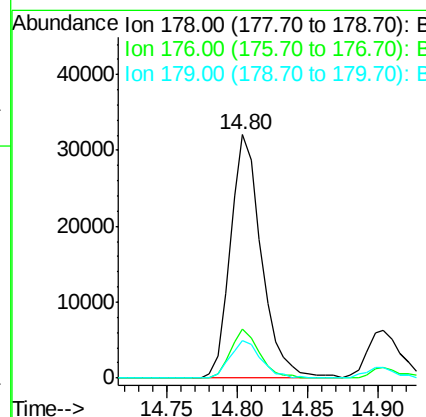
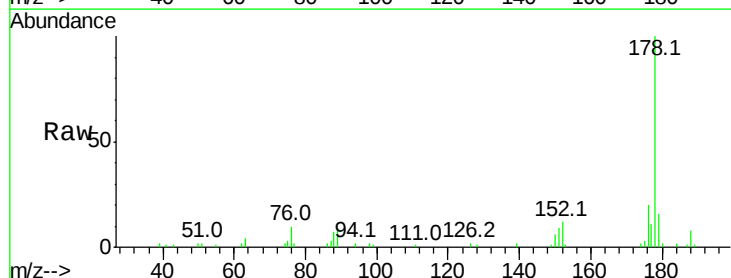
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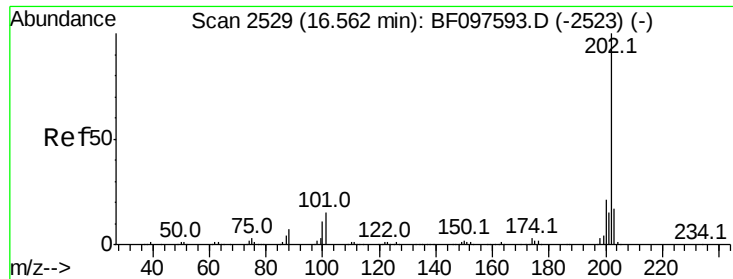
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#70
Phenanthrene
Concen: 3.873 ng
RT: 14.80 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	49061		
176	20.3		16.2	24.4
179	15.6		12.6	19.0





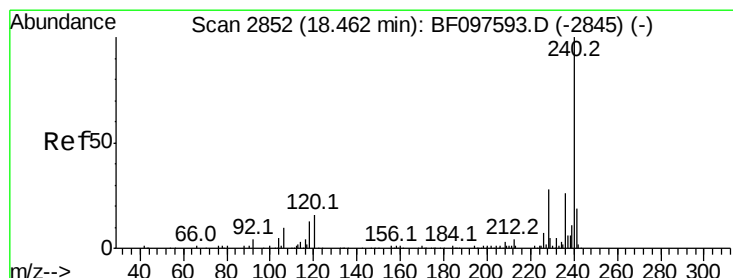
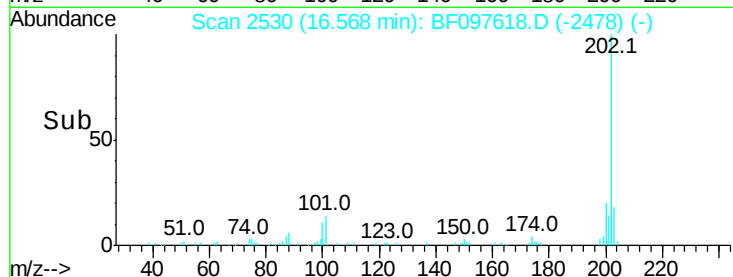
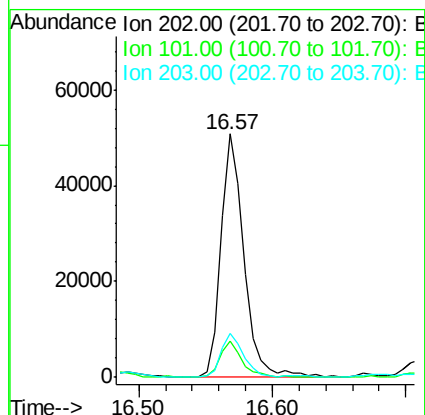
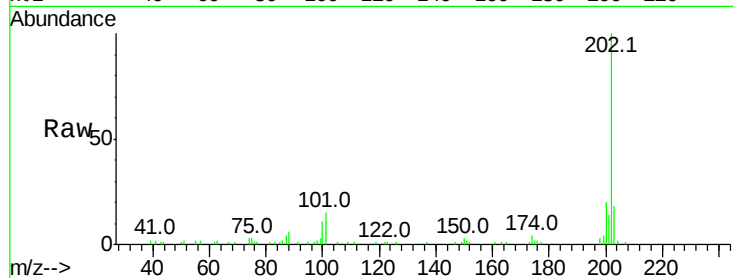
#74
Fluoranthene
Concen: 5.422 ng
RT: 16.57 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	33.2
203	18.1	0.0	38.1

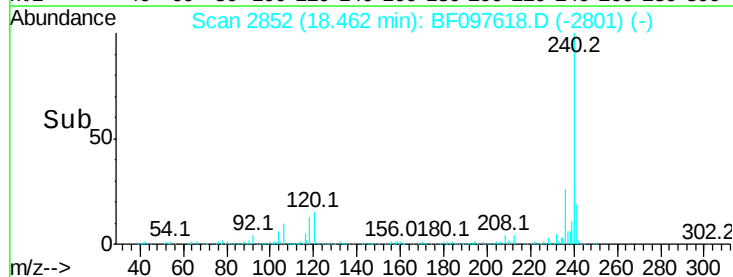
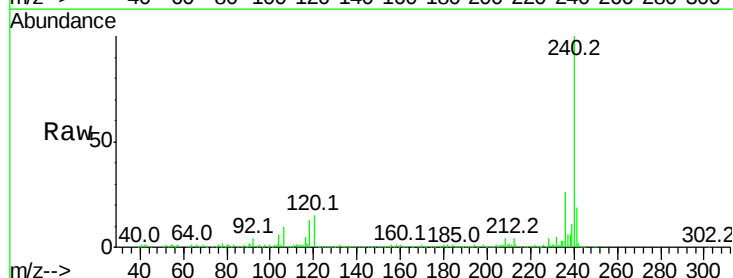
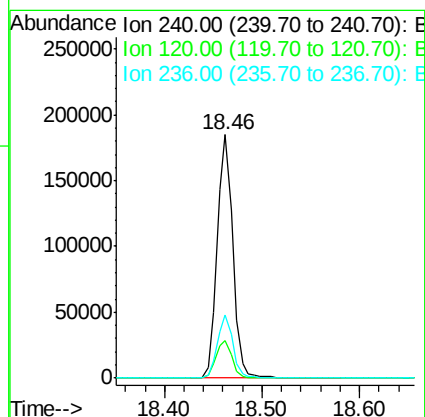
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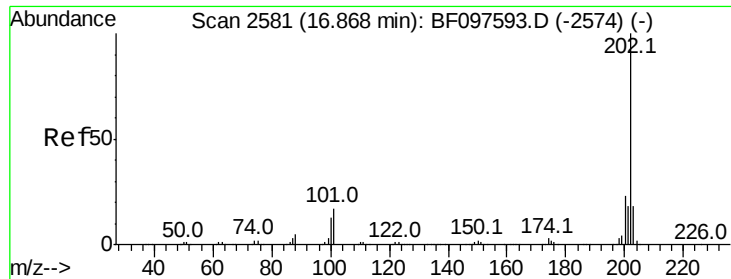
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.46 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	26.1	20.5	30.7





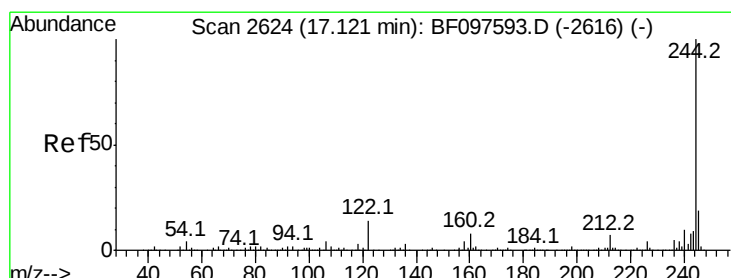
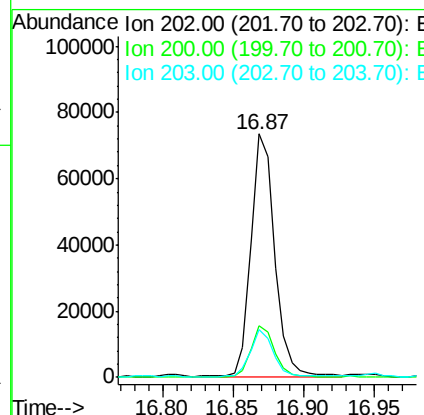
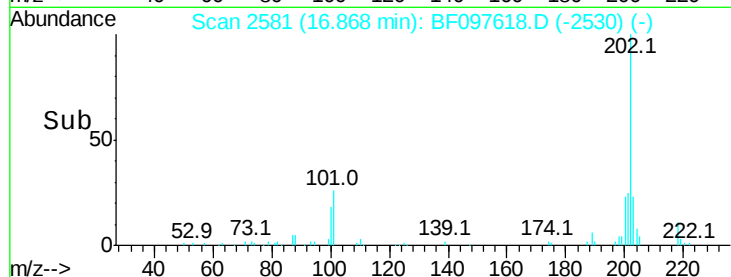
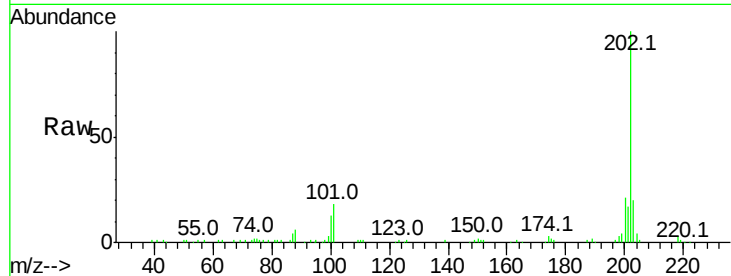
#77
Pvrene
Concen: 5.169 ng
RT: 16.87 min Scan# 2581
Delta R.T. -0.00 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	19.6	14.4	21.6	

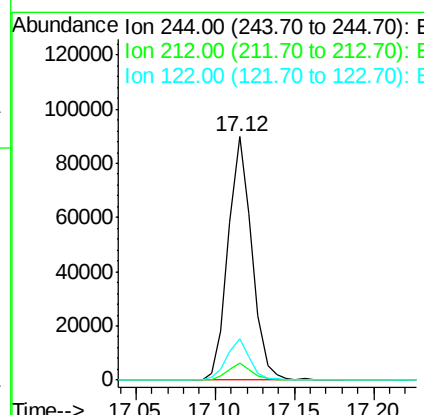
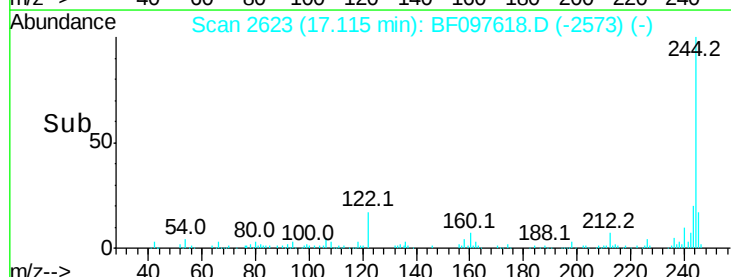
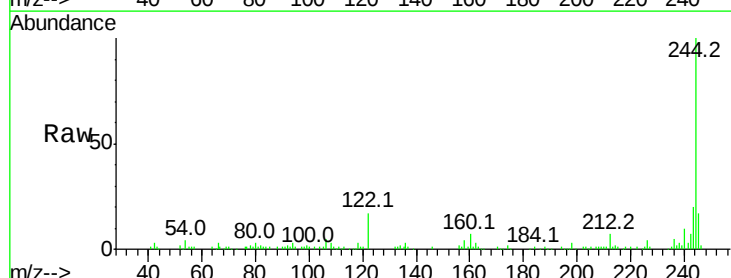
Manual Integrations
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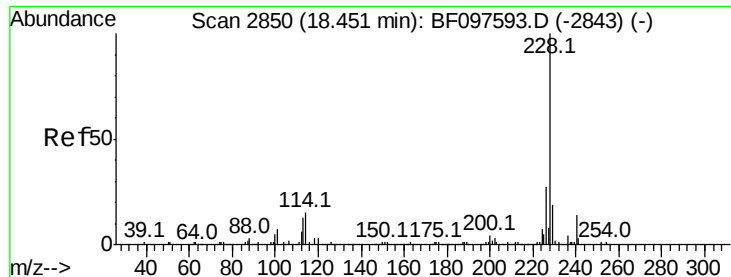
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#78
Terphenyl-d14
Concen: 9.324 ng
RT: 17.12 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	6.0	9.0	
122	17.0	10.3	15.5	





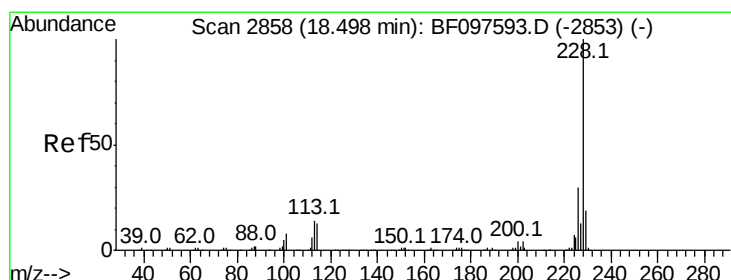
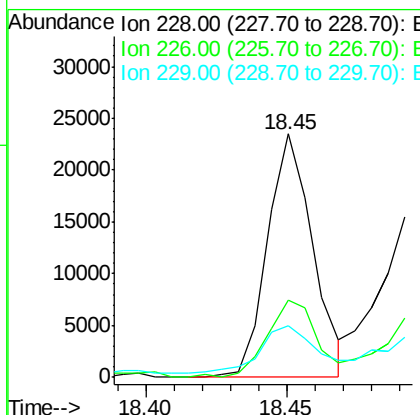
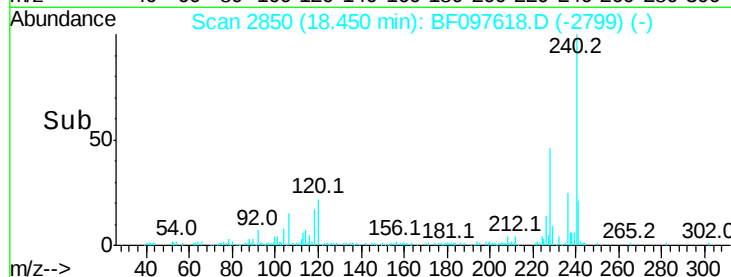
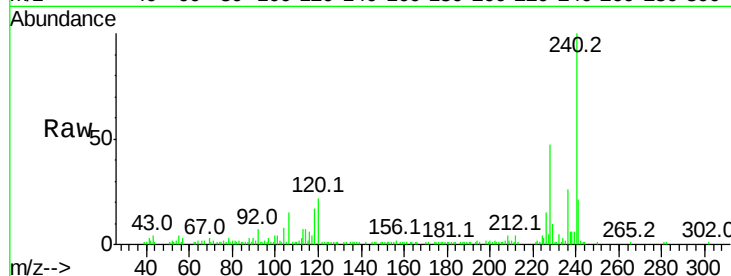
#80
Benzo(a)anthracene
Concen: 2.170 ng
RT: 18.45 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

Tot Ion	Ratio	Resp	Lower	Upper
228	100	26185		
226	31.9	22.6	33.8	
229	21.4	16.3	24.5	

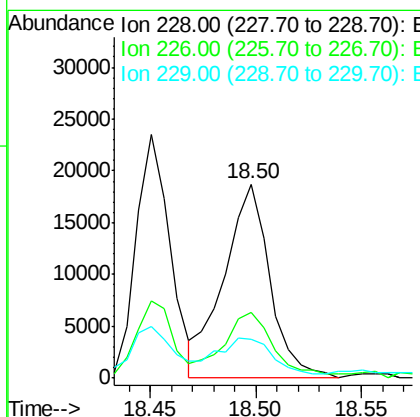
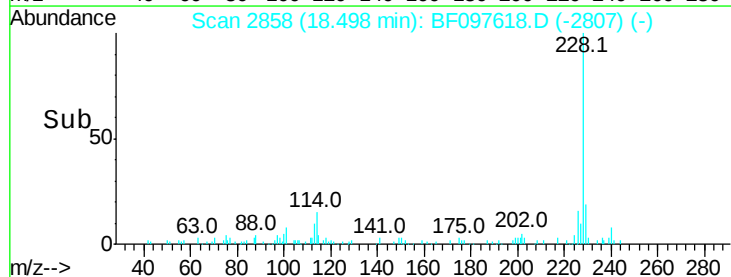
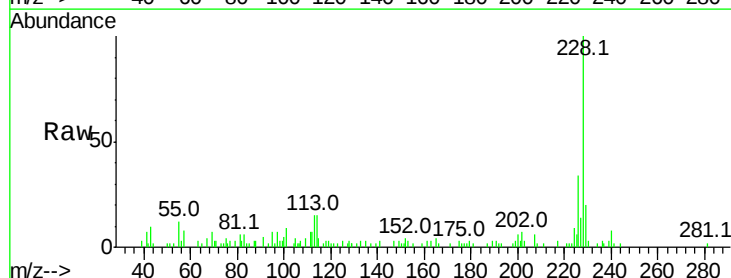
Manual Integrations
APPROVED

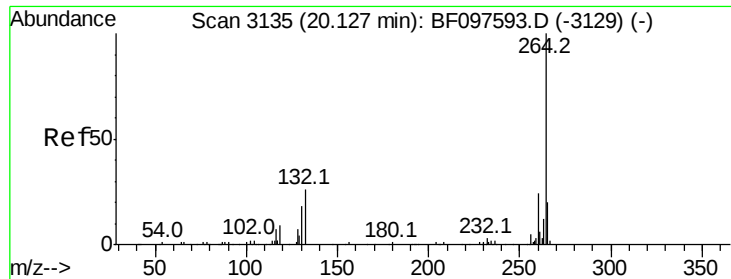
sohil
8/14/2017 6:55:03 PM



#82
Chrysene
Concen: 2.356 ng
RT: 18.50 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	28274		
226	34.1	24.9	37.3	
229	20.3	15.8	23.6	





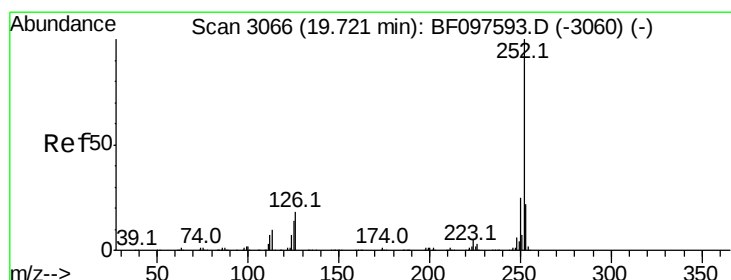
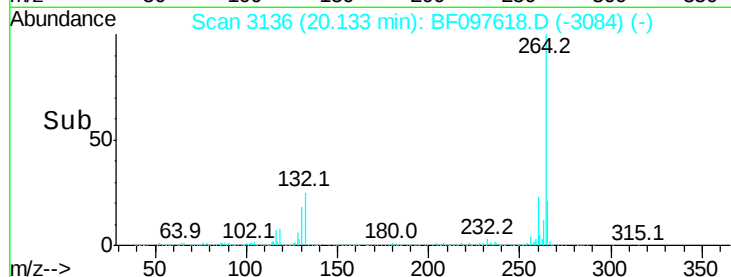
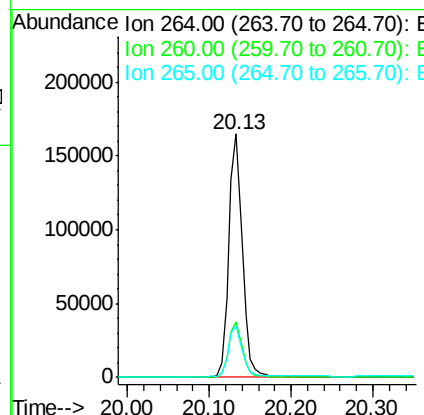
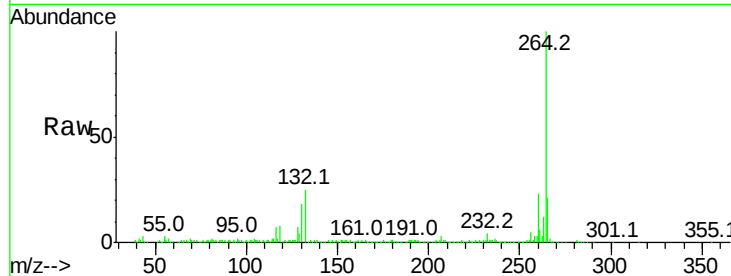
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.13 min Scan# 3136
Delta R.T. 0.01 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-012

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.6	19.5	29.3	
265	21.4	17.2	25.8	

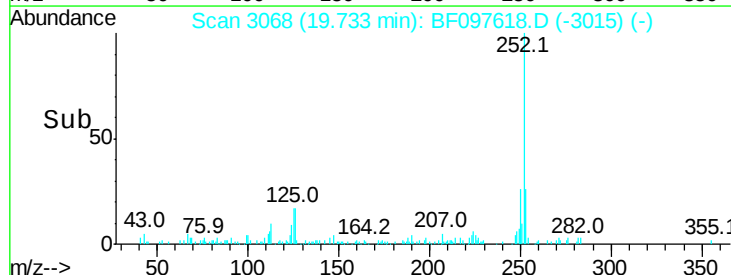
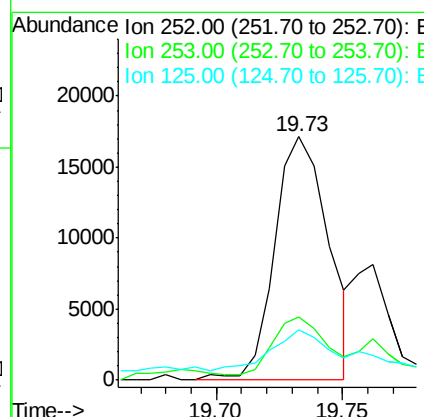
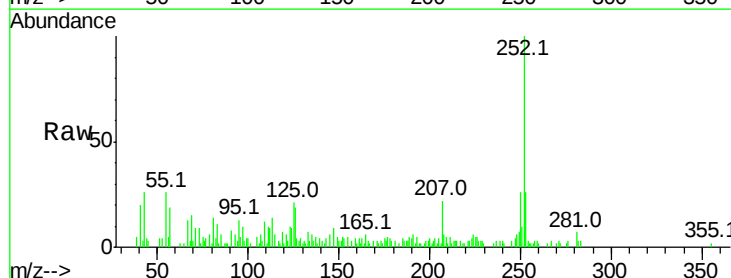
Manual Integrations
APPROVED

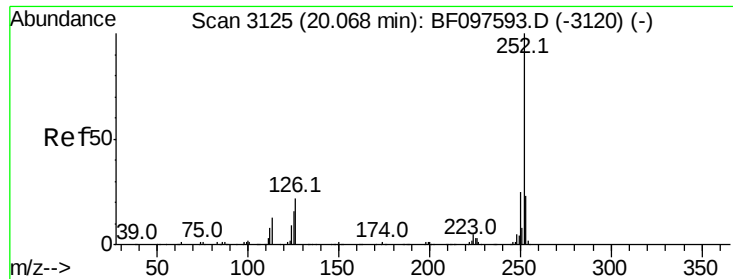
sohil
8/14/2017 6:55:03 PM



#87
Benzo(b)fluoranthene
Concen: 2.220 ng m
RT: 19.73 min Scan# 3068
Delta R.T. 0.01 min
Lab File: BF097618.D
Acq: 12 Aug 2017 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	26.0	18.1	27.1	
125	20.7	9.8	14.8	





#89

Benzo(a)pyrene

Concen: 2.133 ng

RT: 20.08 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BF097618.D

Acq: 12 Aug 2017 3:53

Instrument :

BNA_F

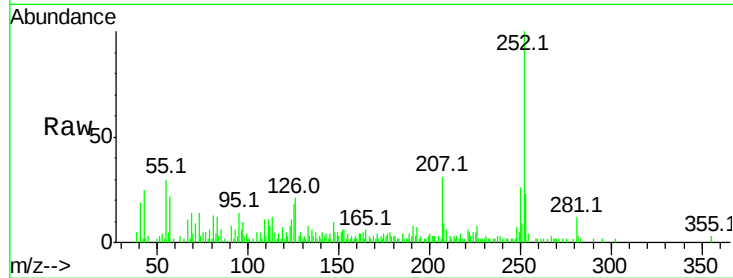
ClientSampleId :

FK-PS-01-012

Tot Ion:	252	Resp:	22491
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	17.8	11.0	16.4

Manual Integrations
APPROVED

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8/14/2017 6:55:03 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

