

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097641.D
 Acq On : 12 Aug 2017 18:42
 Operator : SJ/JU
 Sample : I4700-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Manual Integrations
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Quant Time: Aug 14 06:40:15 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	7.50	152	104224	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	473762	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	165605	20.00	ng	-0.02
63) Phenanthrene-d10	14.74	188	245717	20.00	ng	-0.02
75) Chrysene-d12	18.44	240	190234	20.00	ng	-0.02
86) Perylene-d12	20.11	264	189279	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	123753	18.87	ng	0.04
7) Phenol-d6	7.07	99	147839	18.18	ng	0.02
23) Nitrobenzene-d5	8.42	82	83107	11.00	ng	0.00
41) 2,4,6-Tribromophenol	13.65	330	18855	14.98	ng	-0.01
44) 2-Fluorobiphenyl	11.30	172	150630	13.73	ng	-0.02
78) Terphenyl-d14	17.10	244	80303	8.74	ng	-0.02
Target Compounds						
70) Phenanthrene	14.79	178	47474	3.355	ng	97
74) Fluoranthene	16.56	202	53863	4.212	ng	84
77) Pyrene	16.86	202	70825	4.502	ng	# 95
80) Benzo(a)anthracene	18.43	228	32564	2.931	ng	95
82) Chrysene	18.48	228	29276	2.649	ng	98
87) Benzo(b)fluoranthene	19.72	252	35743m	3.145	ng	
89) Benzo(a)pyrene	20.06	252	28910	2.771	ng	# 88

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

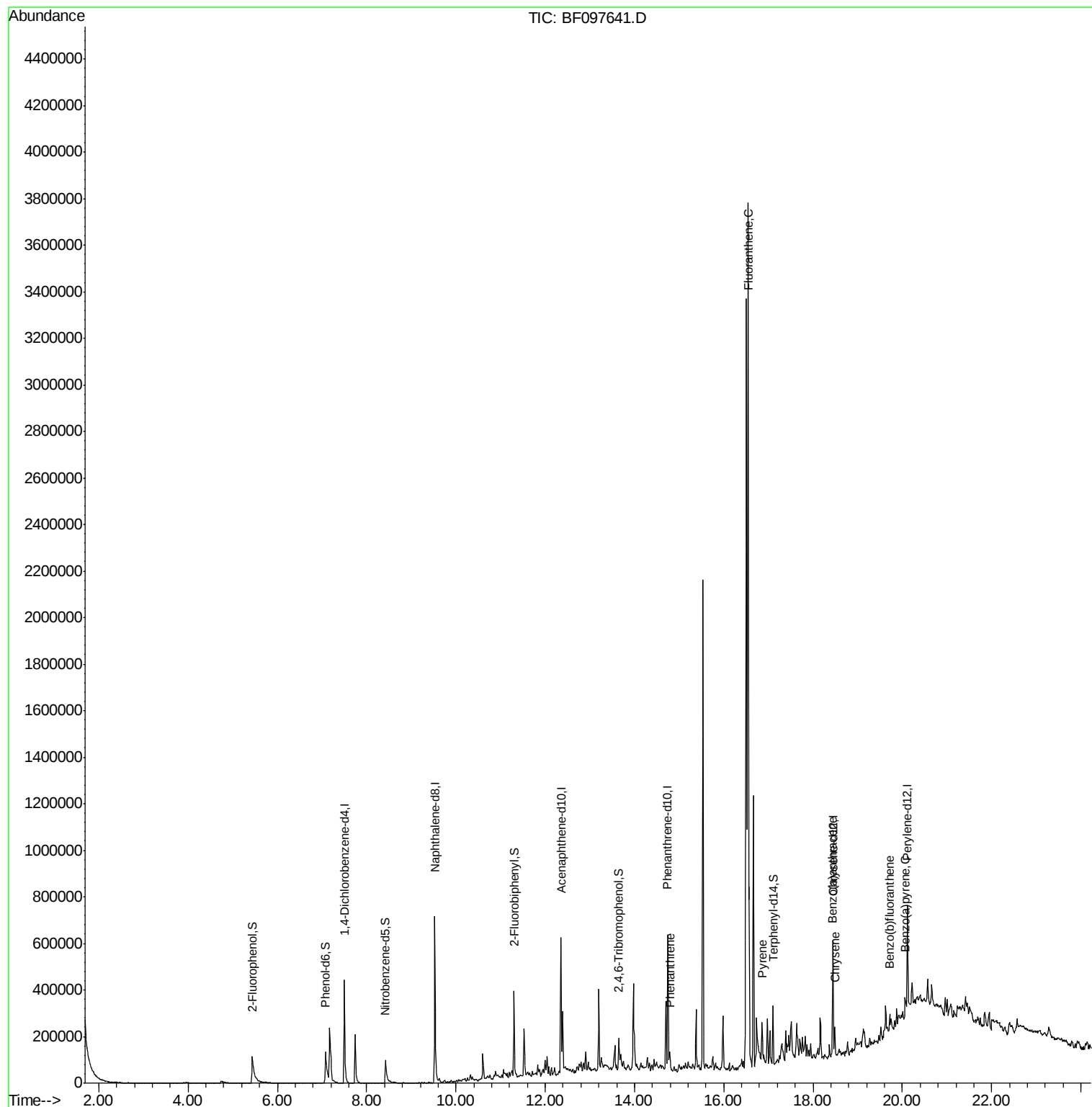
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097641.D
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Sample : I4700-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

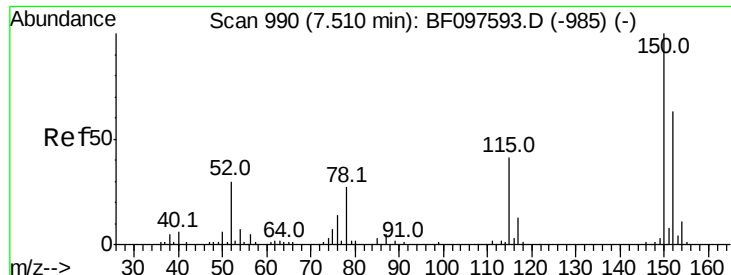
Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Manual Integrations
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Quant Time: Aug 14 06:40:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
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Response via : Initial Calibration





#1

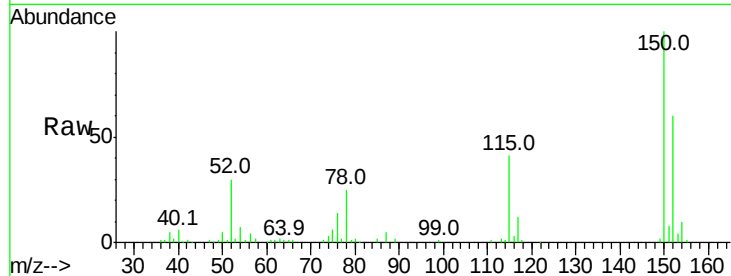
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.3	126.2	189.2
115	67.8	52.2	78.2

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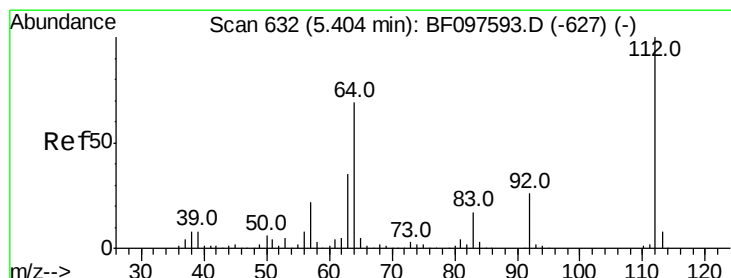
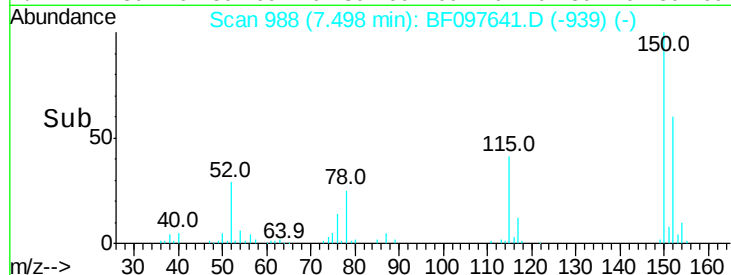
Abundance

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

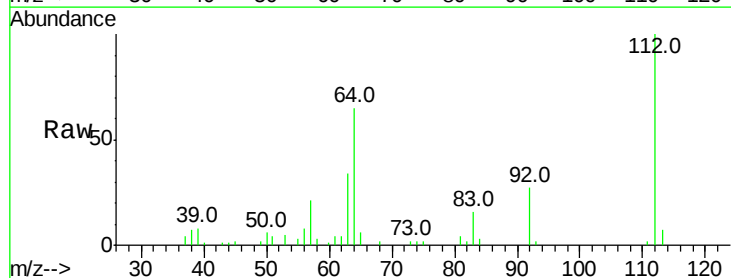
Time-->



#5

2-Fluorophenol
Concen: 18.873 ng
RT: 5.44 min Scan# 638
Delta R.T. 0.04 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	33.9	23.4	35.0



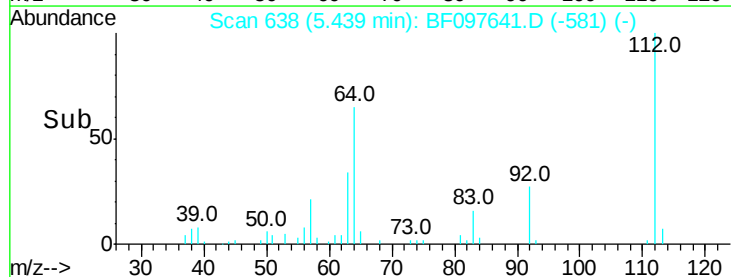
Abundance

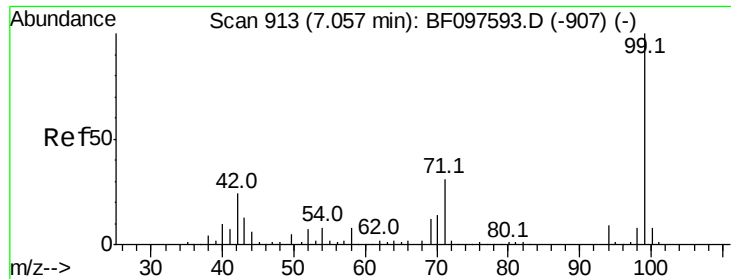
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 18.175 ng

RT: 7.07 min Scan# 916

Delta R.T. 0.02 min

Lab File: BF097641.D

Acq: 12 Aug 2017 18:42

Instrument :

BNA_F

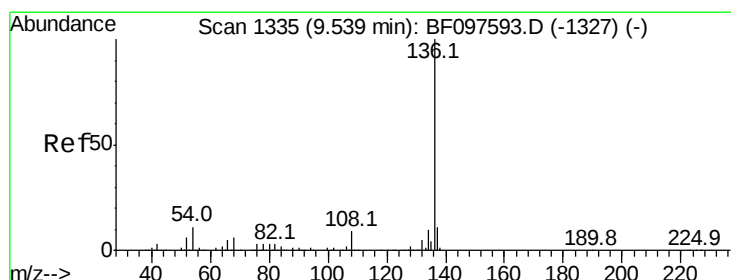
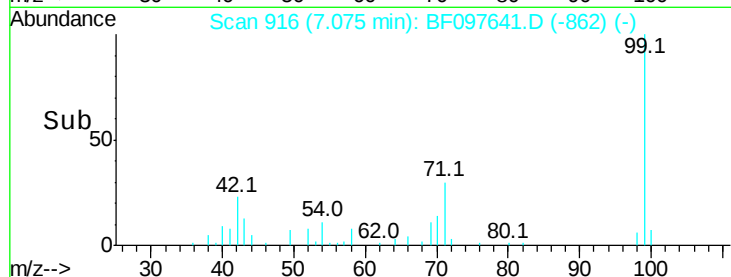
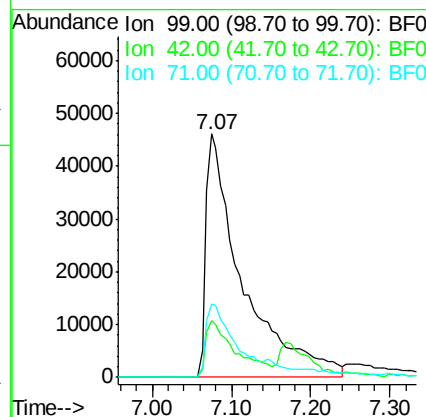
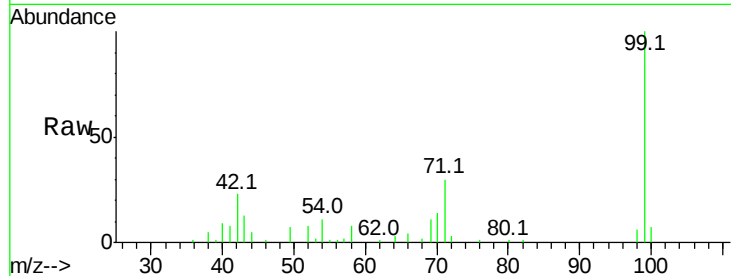
ClientSampleId :

NB-01-080917-C

Tot Ion:	99	Resp:	147839
Ion Ratio	Lower	Upper	
99	100		
42	23.4	13.5	20.3#
71	30.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

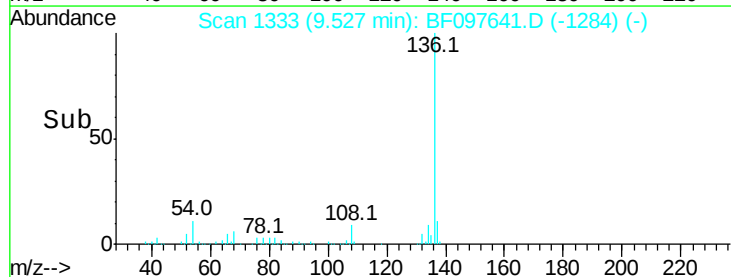
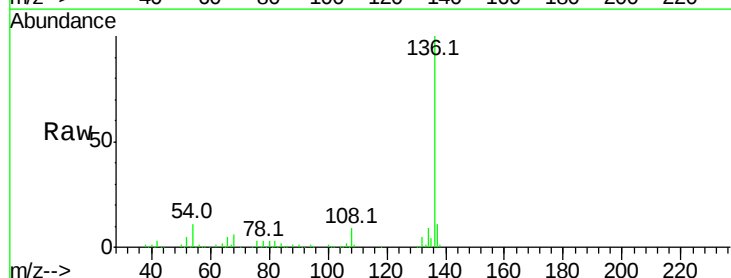
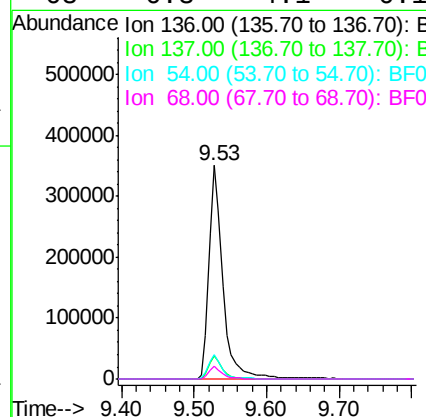
RT: 9.53 min Scan# 1333

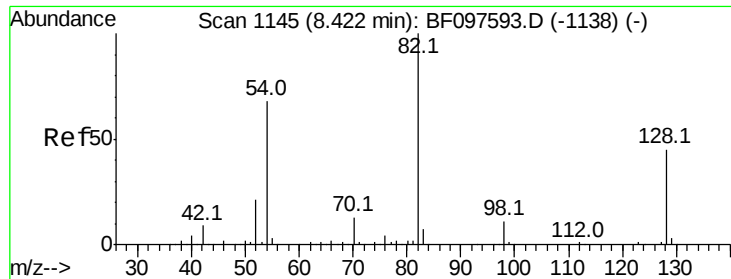
Delta R.T. -0.01 min

Lab File: BF097641.D

Acq: 12 Aug 2017 18:42

Tgt Ion:	136	Resp:	473762
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	11.3	4.9	7.3#
68	6.3	4.1	6.1#





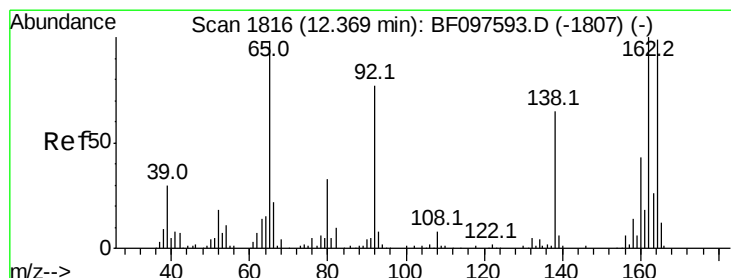
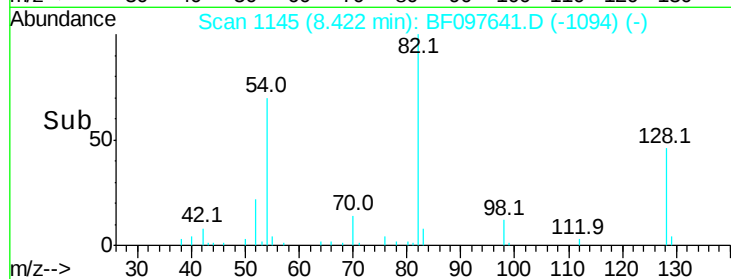
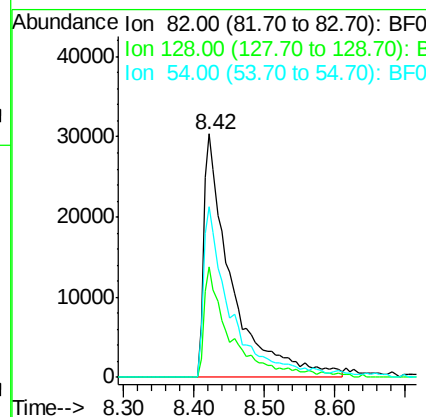
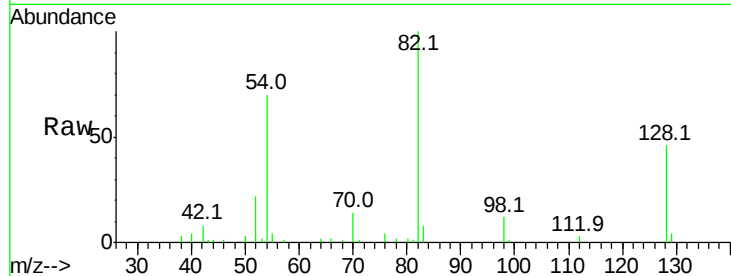
#23
 Nitrobenzene-d5
 Concen: 11.000 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BF097641.D
 Acq: 12 Aug 2017 18:42

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	70.0	42.2	63.2

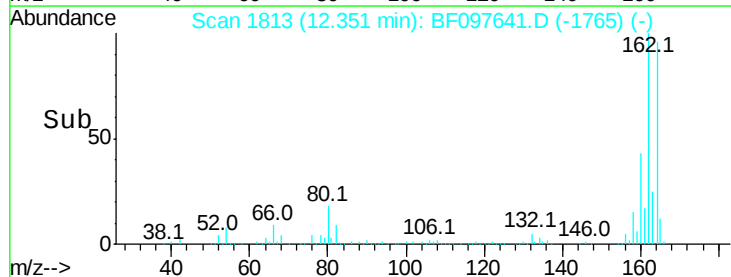
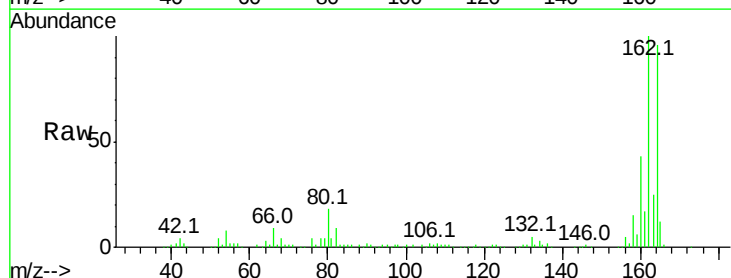
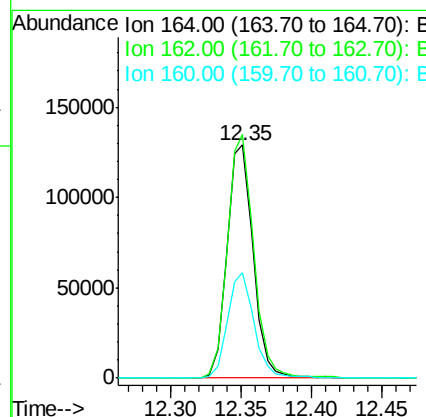
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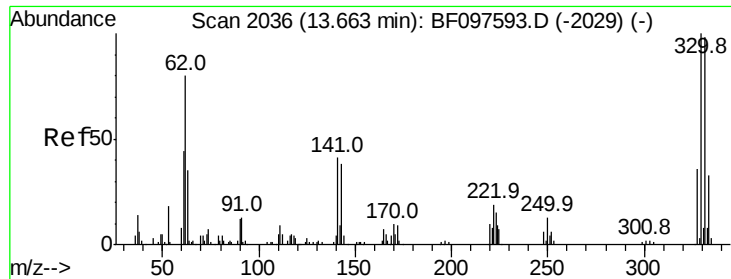
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF097641.D
 Acq: 12 Aug 2017 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	45.2	36.2	54.2





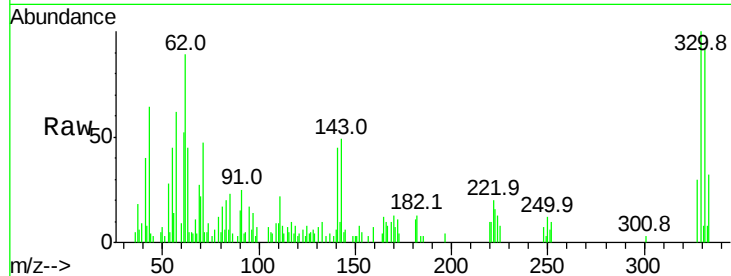
#41
 2,4,6-Tribromophenol
 Concen: 14.977 ng
 RT: 13.65 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF097641.D
 Acq: 12 Aug 2017 18:42

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.6	115.0	
141	59.7	31.4	47.2	

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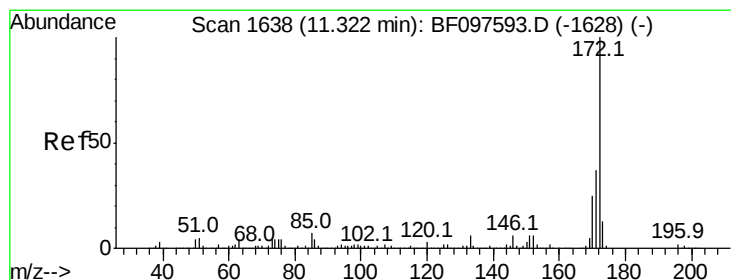
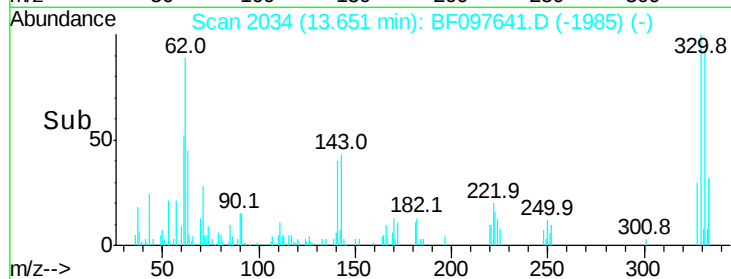
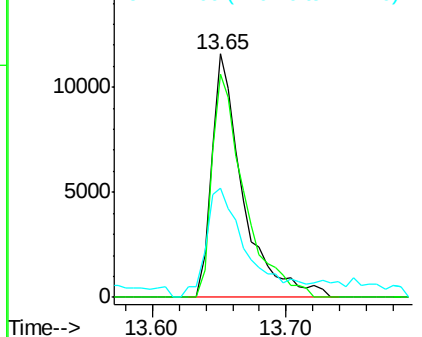


Abundance

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: 13.727 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097641.D
 Acq: 12 Aug 2017 18:42

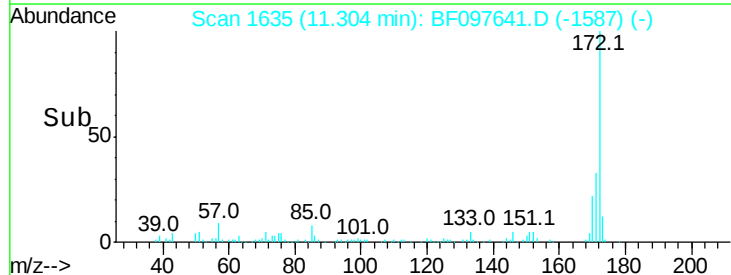
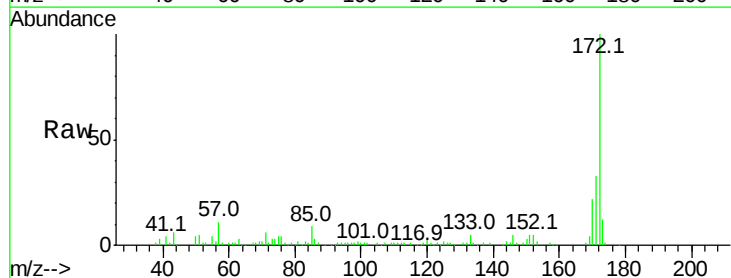
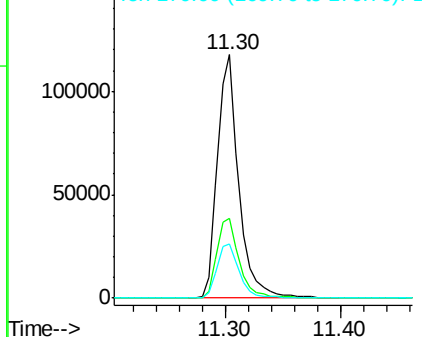
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	32.6	29.6	44.4	
170	22.1	19.8	29.8	

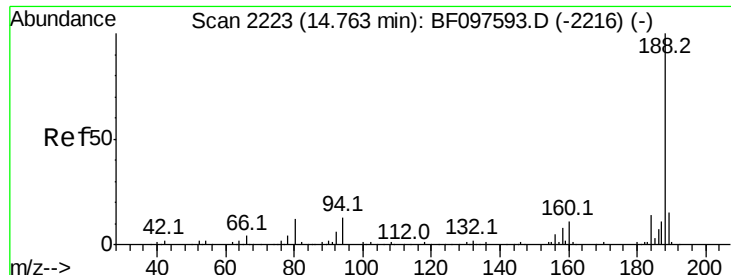
Abundance

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





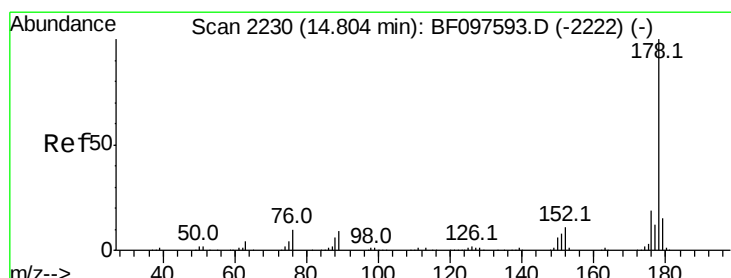
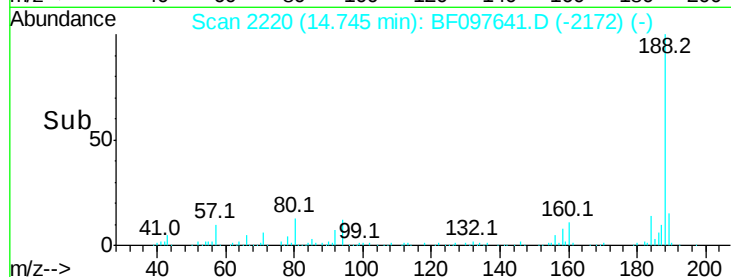
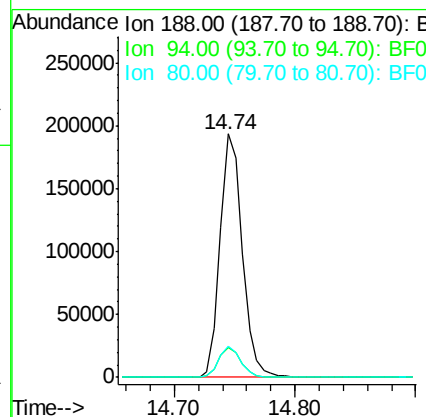
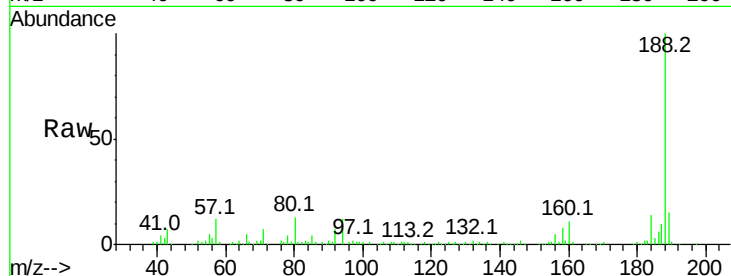
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	245717		
94	12.1		9.4	14.2
80	12.5		10.2	15.2

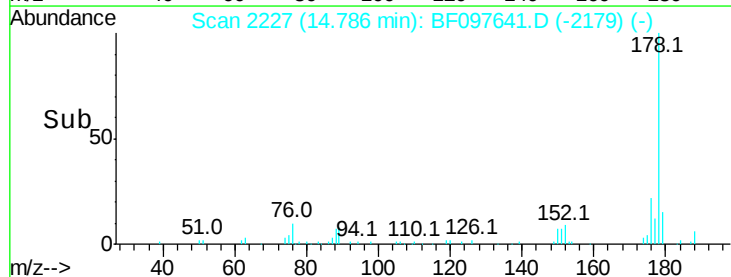
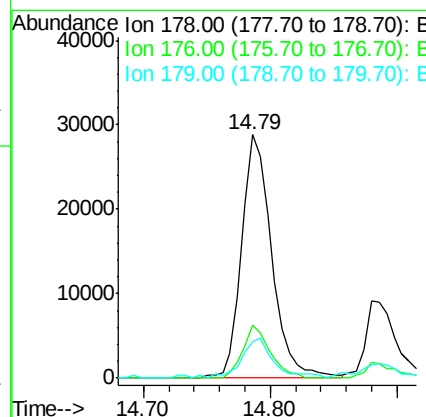
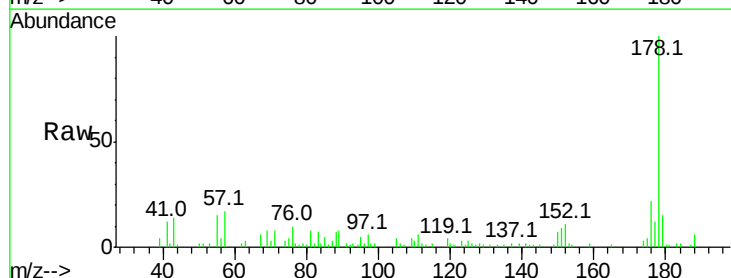
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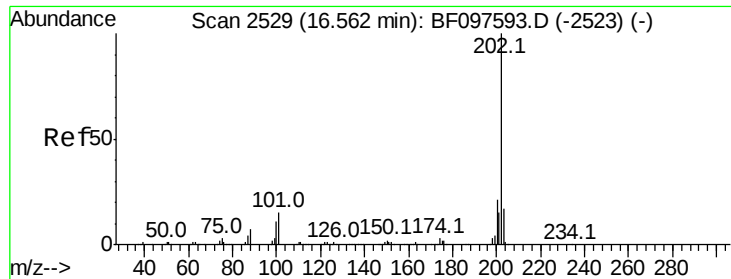
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#70
Phenanthrene
Concen: 3.355 ng
RT: 14.79 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	47474		
176	21.7		16.2	24.4
179	15.0		12.6	19.0





#74

Fluoranthene

Concen: 4.212 ng

RT: 16.56 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF097641.D

Acq: 12 Aug 2017 18:42

Instrument :

BNA_F

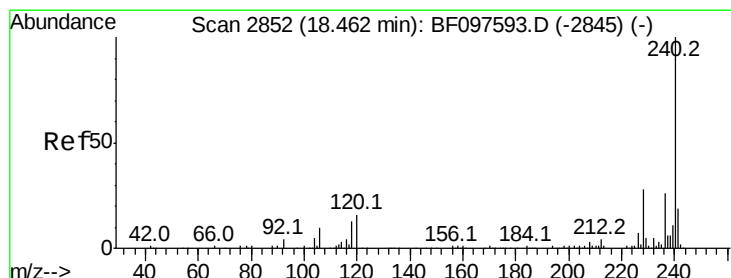
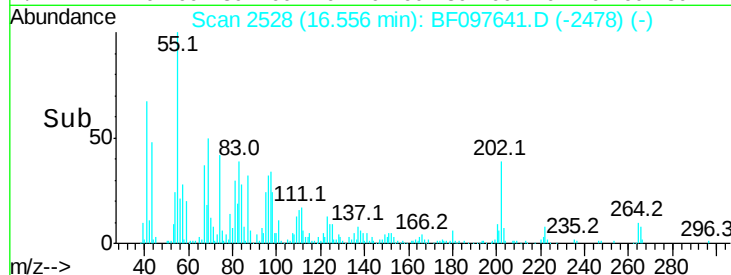
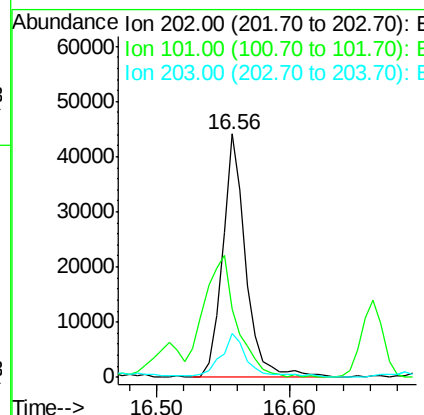
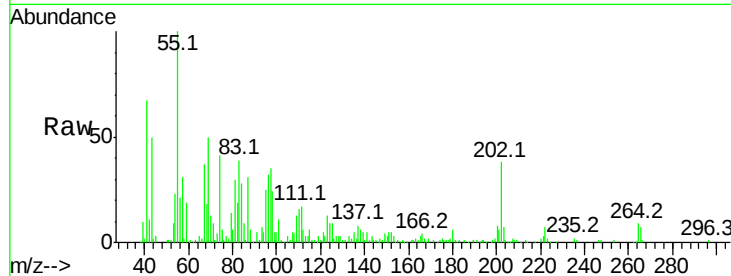
ClientSampleId :

NB-01-080917-C

Tot Ion:	202	Resp:	53863
Ion Ratio	Lower	Upper	
202	100		
101	28.3	0.0	33.2
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

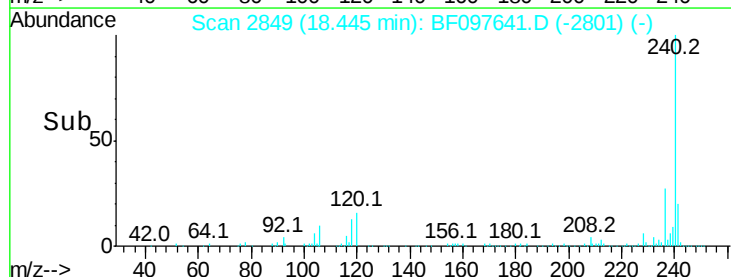
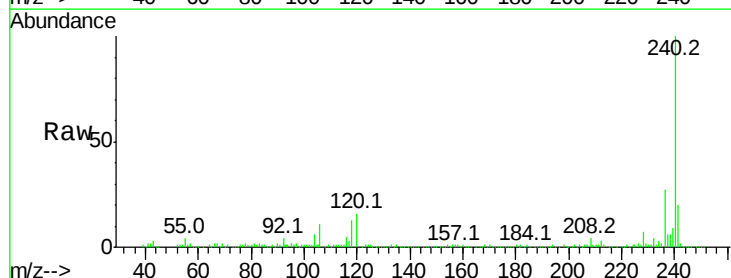
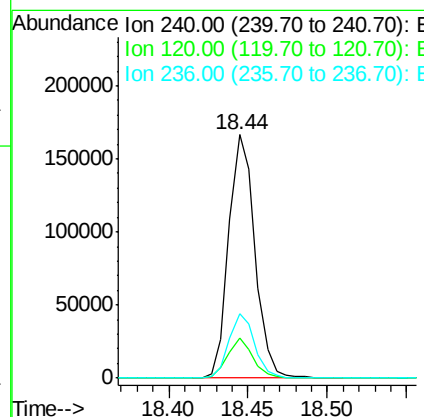
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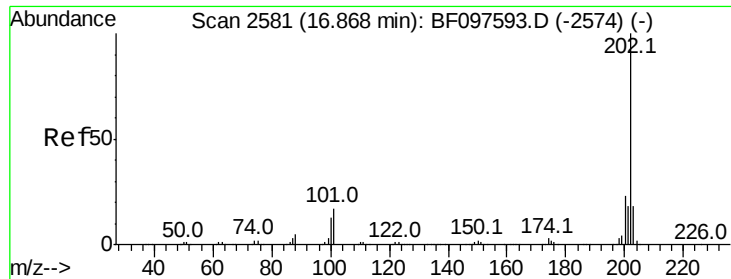
Delta R.T. -0.02 min

Lab File: BF097641.D

Acq: 12 Aug 2017 18:42

Tgt Ion:	240	Resp:	190234
Ion Ratio	Lower	Upper	
240	100		
120	16.3	5.8	8.8#
236	26.6	20.5	30.7





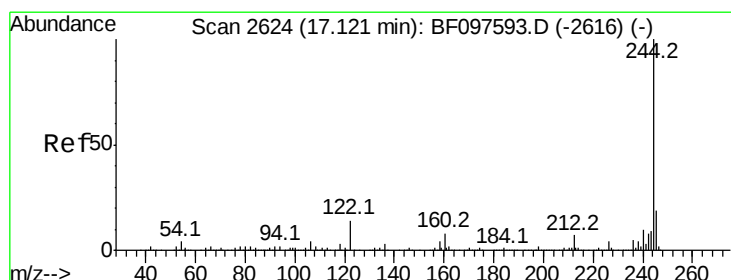
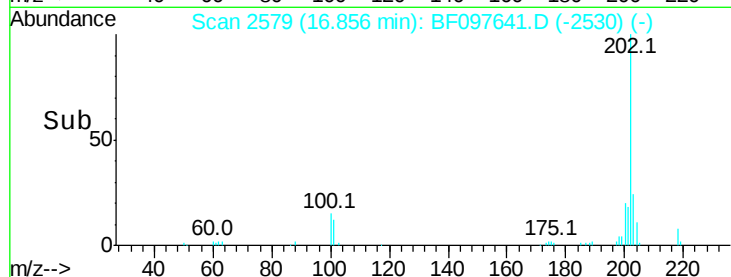
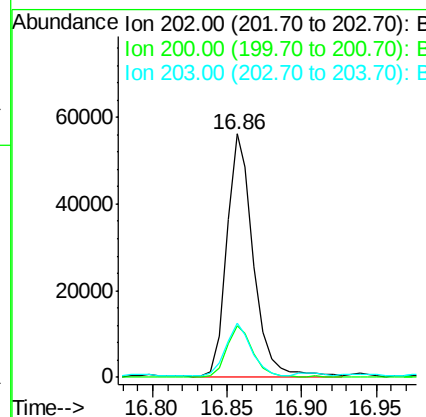
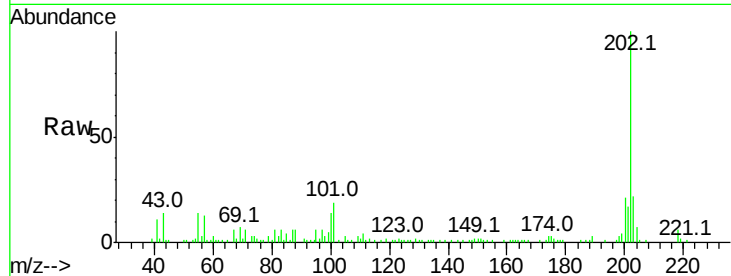
#77
Pvrene
Concen: 4.502 ng
RT: 16.86 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.6	26.4
203	22.1	14.4	21.6

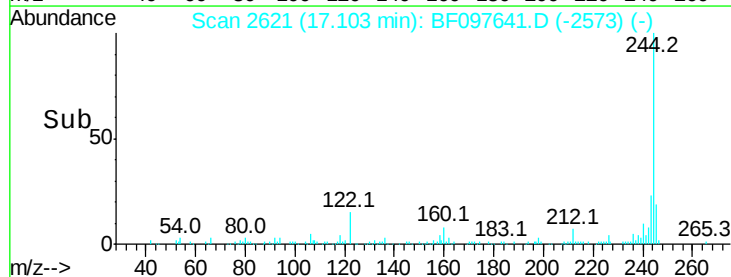
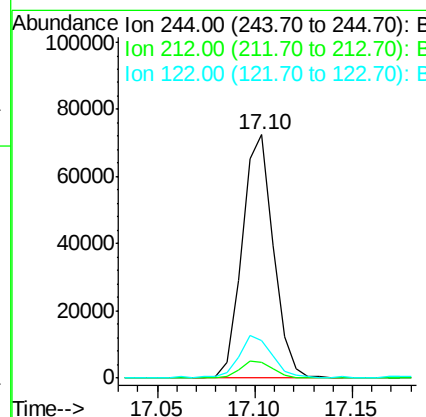
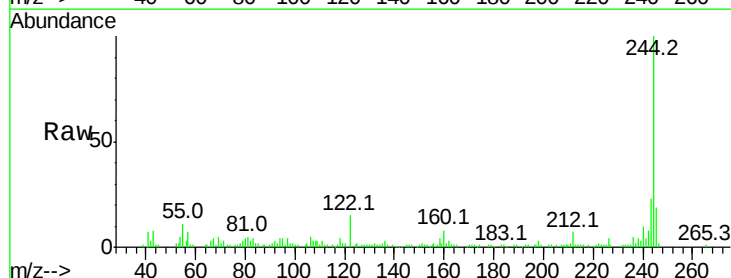
Manual Integrations
APPROVED

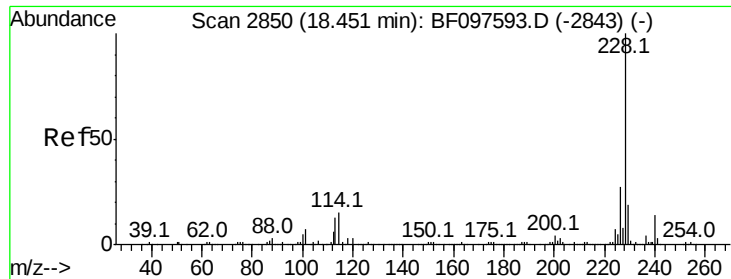
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#78
Terphenyl-d14
Concen: 8.737 ng
RT: 17.10 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.2	10.3	15.5





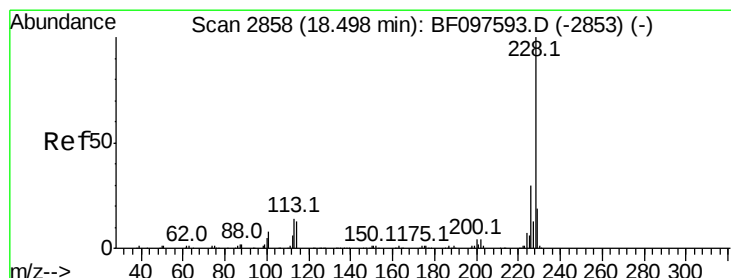
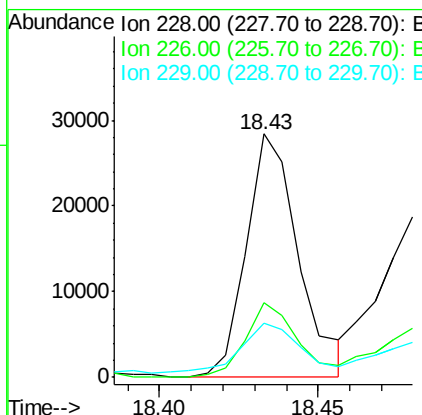
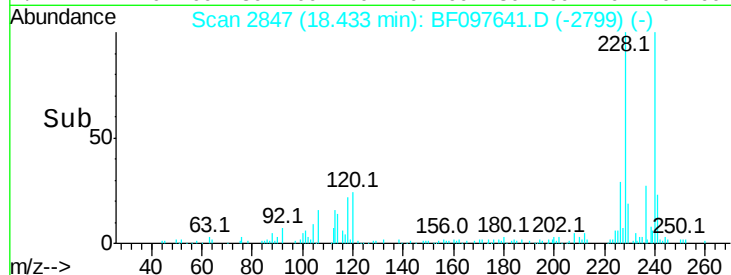
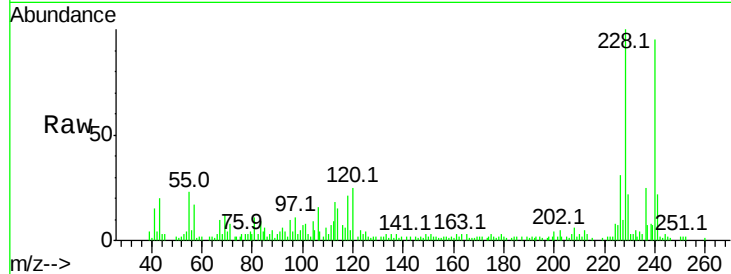
#80
Benzo(a)anthracene
Concen: 2.931 ng
RT: 18.43 min Scan# 2847
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion:	228	Resp:	32564
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.6	33.8
229	22.3	16.3	24.5

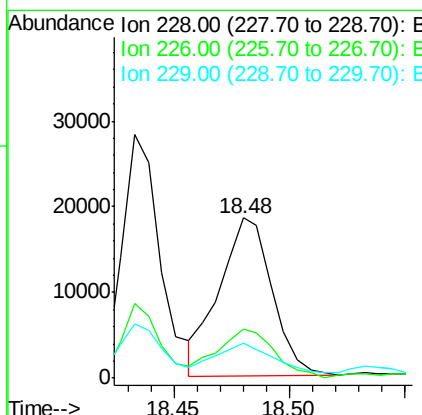
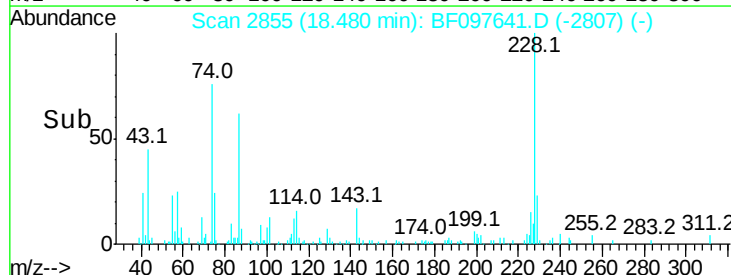
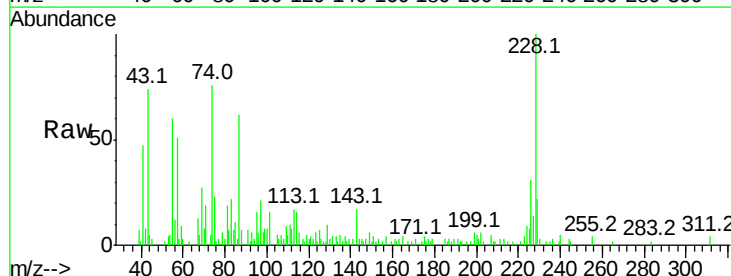
Manual Integrations
APPROVED

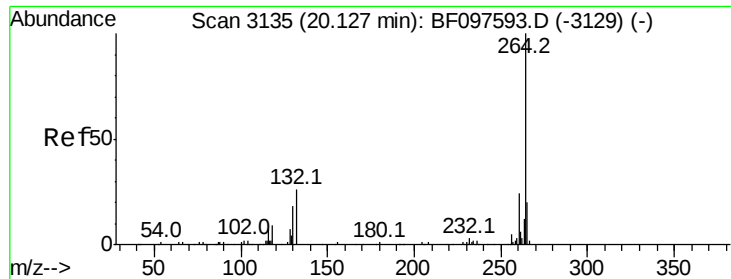
sohil
8/14/2017 7:05:50 PM



#82
Chrysene
Concen: 2.649 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:	228	Resp:	29276
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	22.2	15.8	23.6





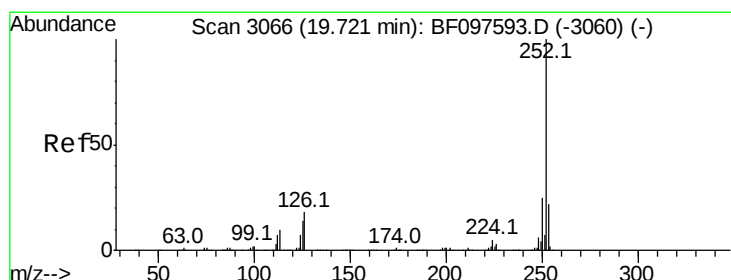
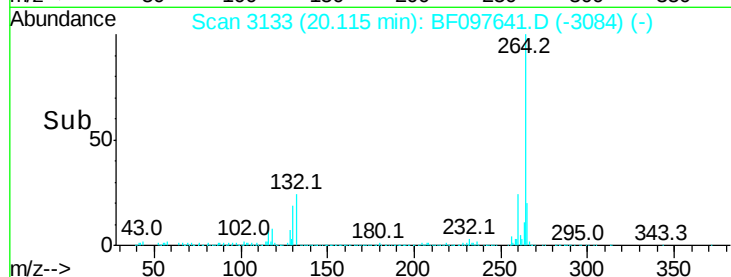
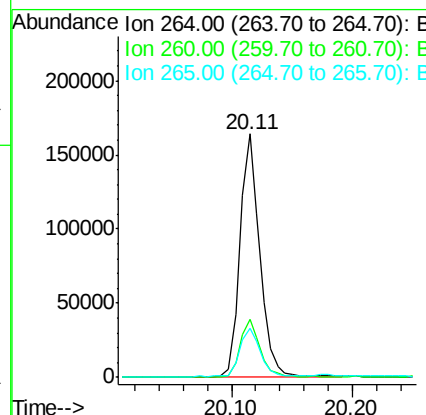
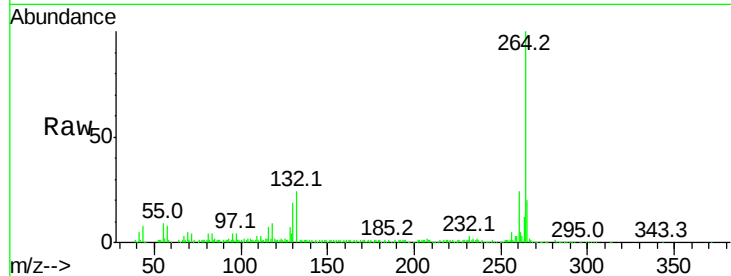
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	20.4	17.2	25.8

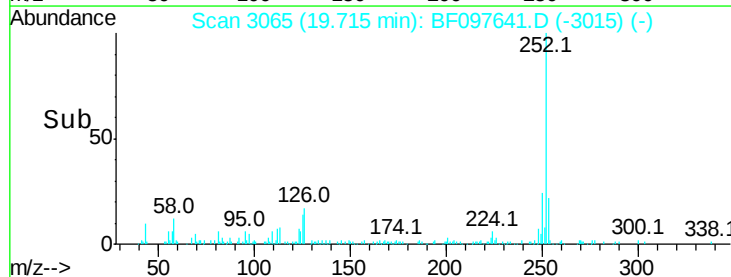
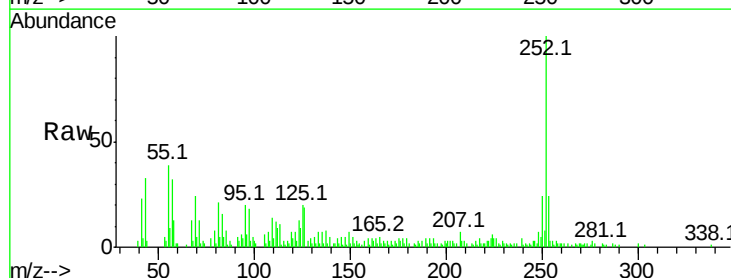
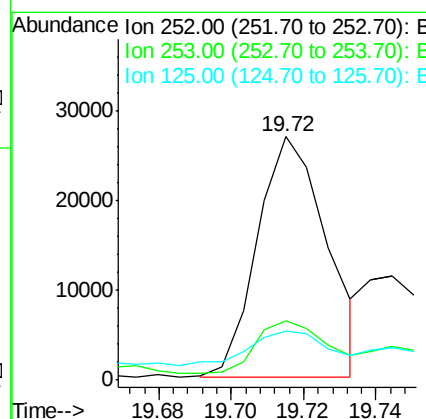
Manual Integrations
APPROVED

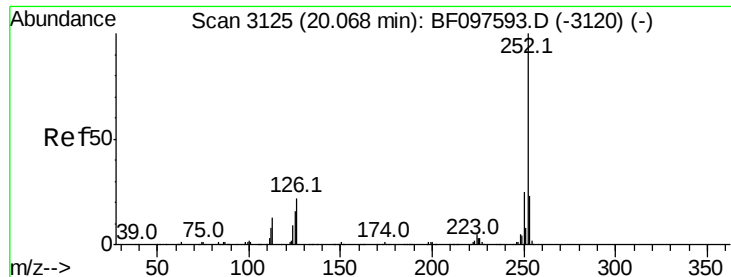
sohil
8/14/2017 7:05:50 PM



#87
Benzo(b)fluoranthene
Concen: 3.145 ng m
RT: 19.72 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	20.1	9.8	14.8#





#89
Benzo(a)pyrene
Concen: 2.771 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	23.9	11.0	16.4

Manual Integrations
APPROVED

sohil
8/14/2017 7:05:50 PM

