

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098928.D
 Acq On : 29 Sep 2017 1:16
 Operator : SJ/JU
 Sample : I5473-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092717

Manual Integrations
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Quant Time: Sep 29 03:41:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	146714	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	535229	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	191239	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	288630	20.00	ng	0.00
75) Chrysene-d12	14.08	240	284348	20.00	ng	0.00
86) Perylene-d12	15.58	264	229763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	452892	49.14	ng	0.00
7) Phenol-d6	6.53	99	524315	46.12	ng	-0.01
23) Nitrobenzene-d5	7.47	82	302927	36.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	62825	40.15	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	498040	43.48	ng	-0.01
78) Terphenyl-d14	13.03	244	357735	28.61	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.66	163	83041	5.753	ng	100
70) Phenanthrene	11.46	178	33617	2.176	ng	100
74) Fluoranthene	12.66	202	60146	3.845	ng	98
77) Pyrene	12.89	202	73505	3.390	ng	98
80) Benzo(a)anthracene	14.07	228	43241	2.511	ng	# 94
82) Chrysene	14.11	228	44344m	2.705	ng	
87) Benzo(b)fluoranthene	15.13	252	51552m	3.649	ng	
89) Benzo(a)pyrene	15.51	252	36338	2.802	ng	# 89

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

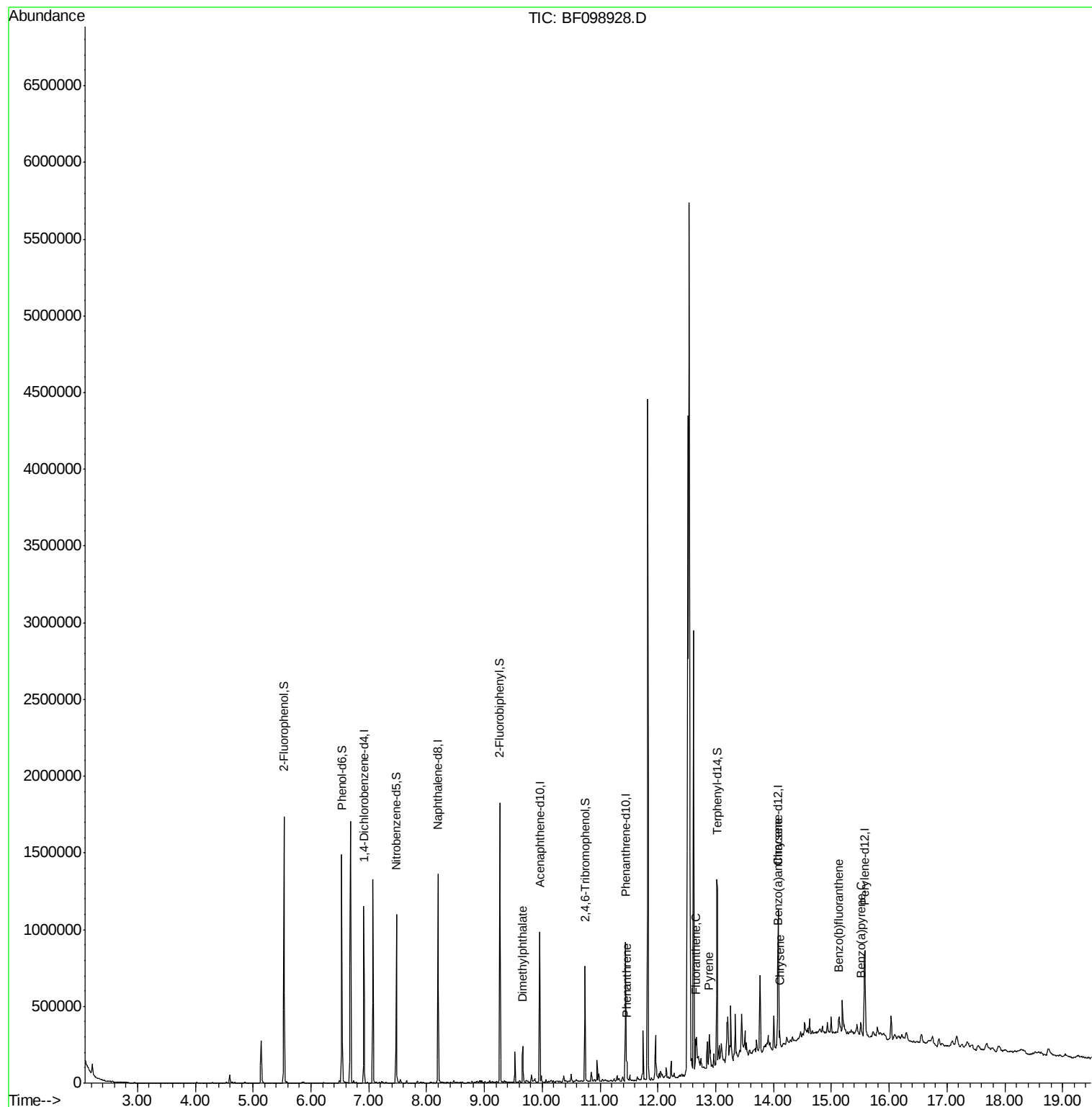
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098928.D
Acq On : 29 Sep 2017 1:16
Operator : SJ/JU
Sample : I5473-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

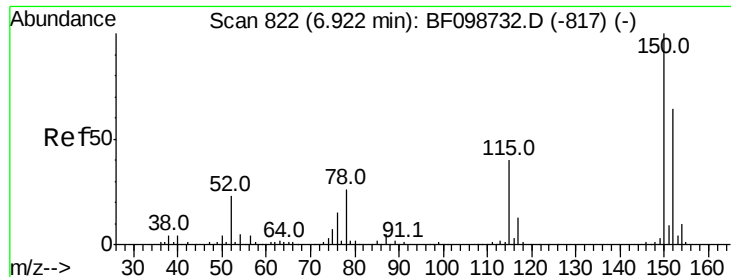
Instrument :
BNA_F
ClientSampleId :
TR-04-092717

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Quant Time: Sep 29 03:41:14 2017
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#1

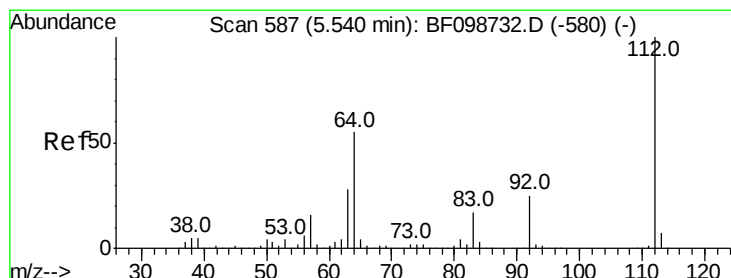
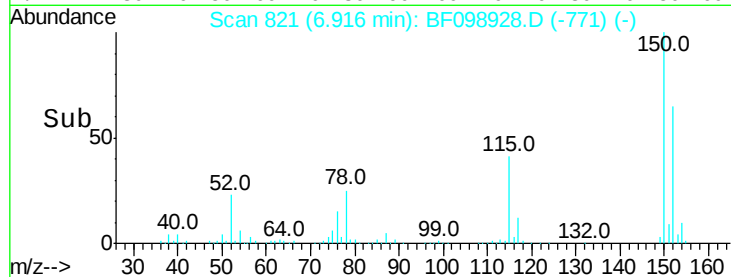
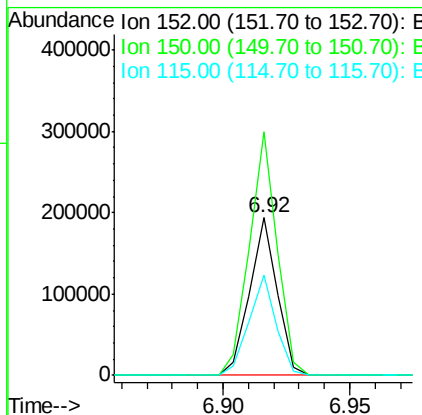
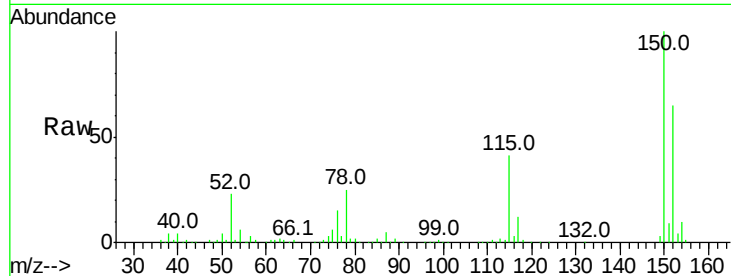
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampleId :
TR-04-092717

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	63.5	50.1	75.1

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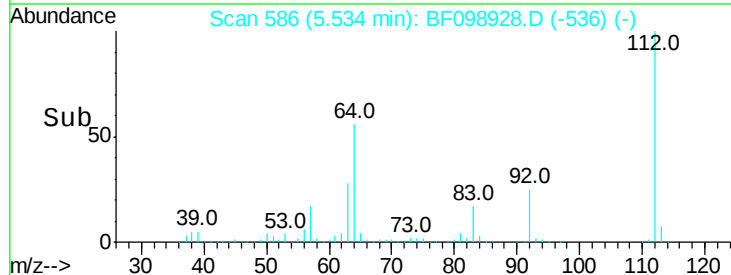
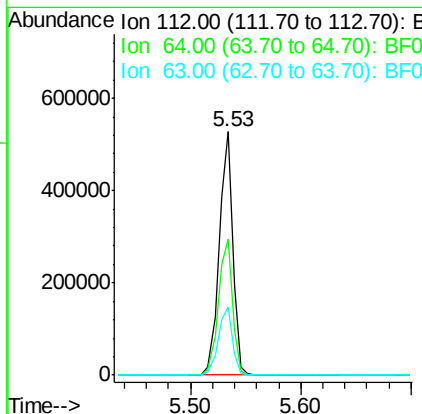
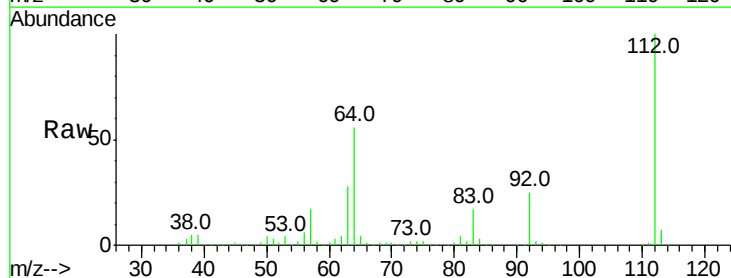
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#5

2-Fluorophenol
Concen: 49.140 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 46.117 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

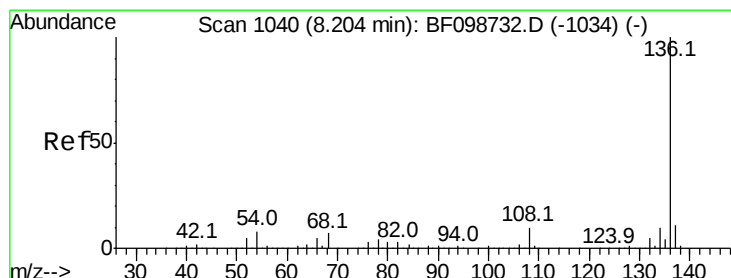
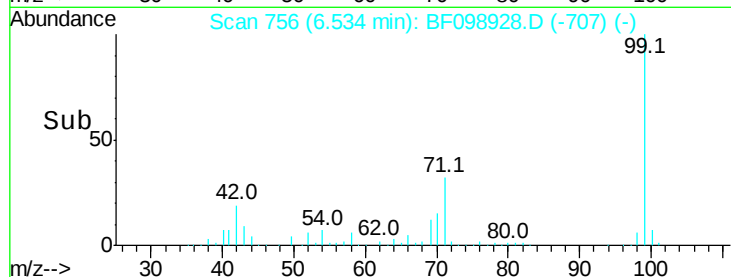
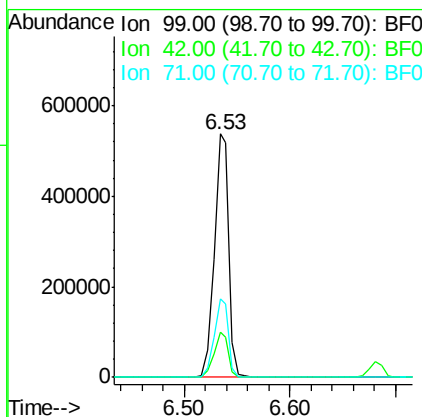
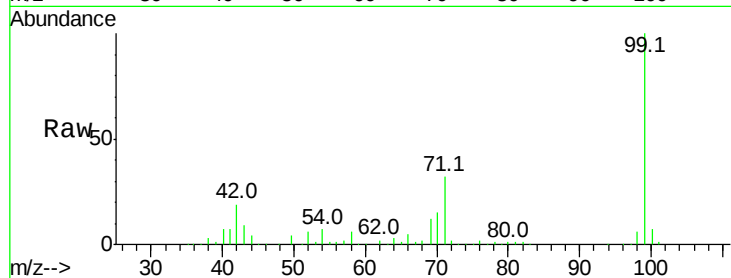
ClientSampleId :

TR-04-092717

Tot Ion:	99	Resp:	524315
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

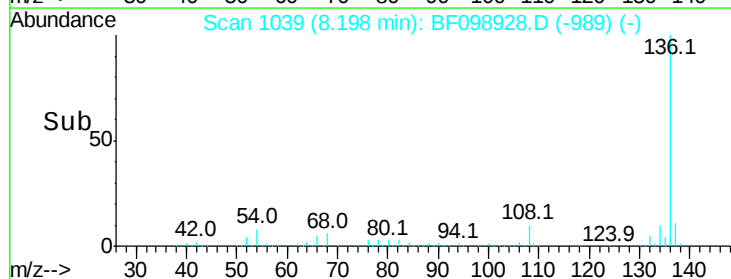
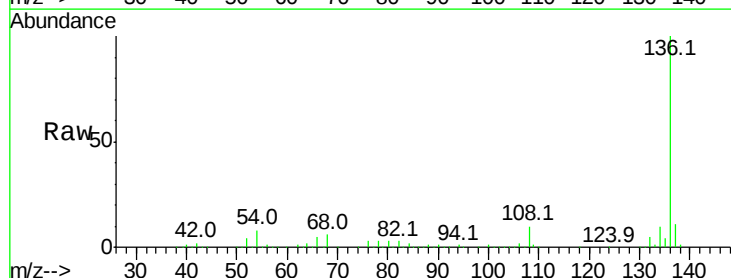
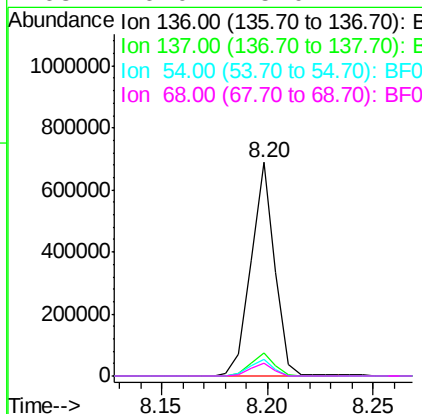
RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Tgt Ion:	136	Resp:	535229
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.7	6.6	9.8
68	6.0	5.0	7.4





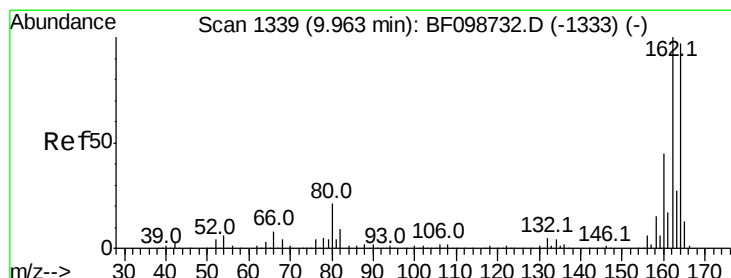
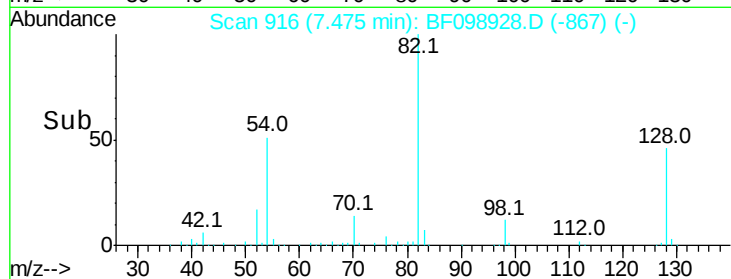
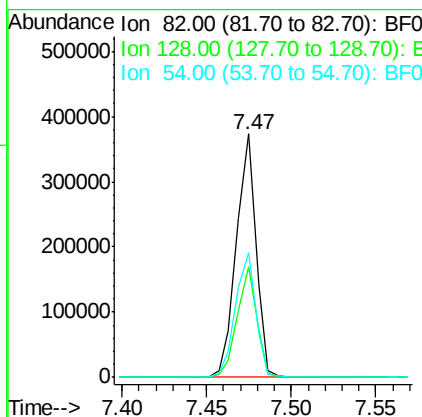
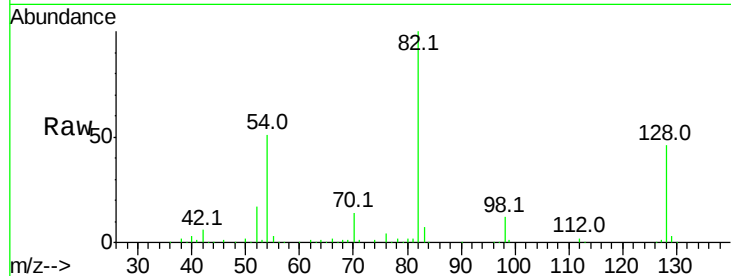
#23
Nitrobenzene-d5
Concen: 36.296 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampleId :
TR-04-092717

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	36.1	54.1	
54	51.3	41.4	62.2	

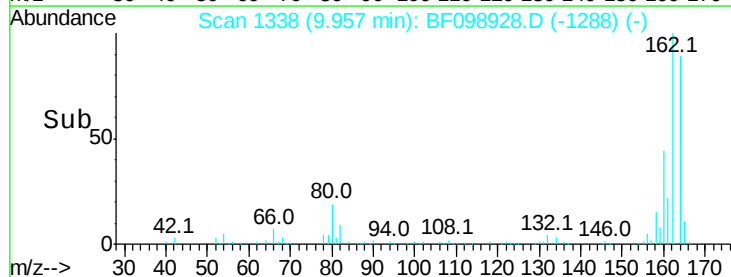
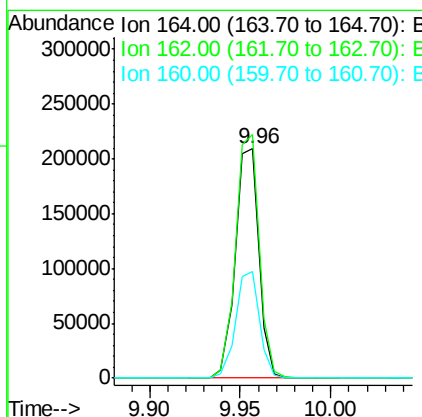
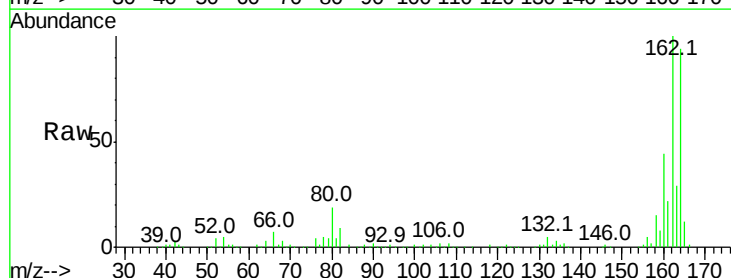
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.3	86.1	129.1	
160	46.6	38.3	57.5	





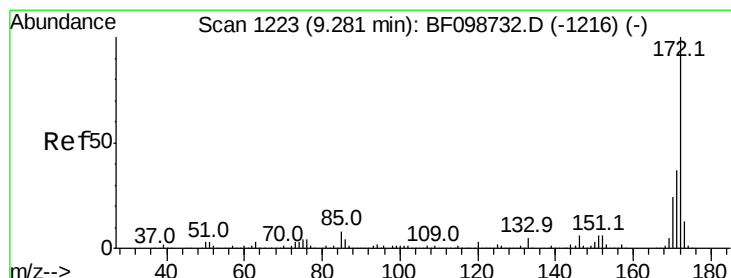
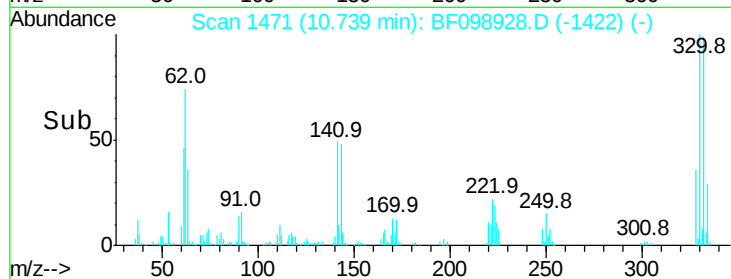
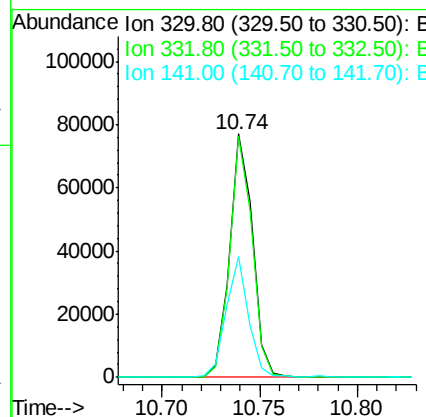
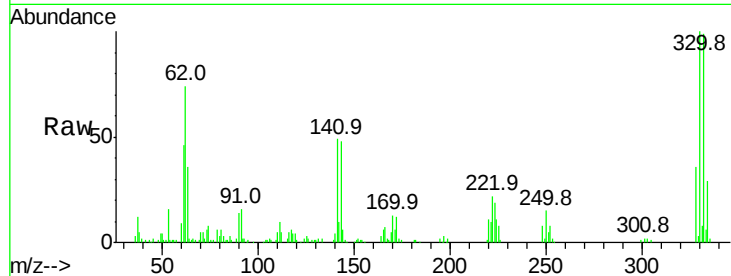
#41
 2,4,6-Tribromophenol
 Concen: 40.148 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Instrument :
 BNA_F
 ClientSampled :
 TR-04-092717

Tot Ion	Ratio	Resp	Lower	Upper
330	100	62825		
332	96.7	77.0	115.6	
141	48.1	29.9	44.9#	

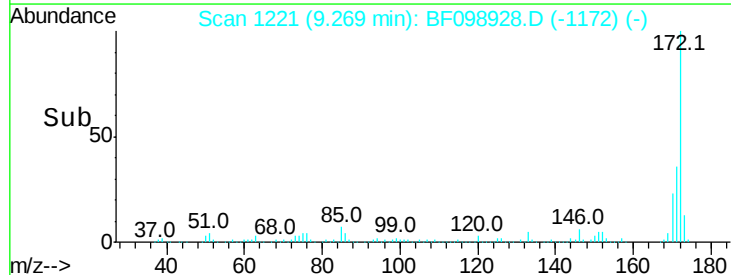
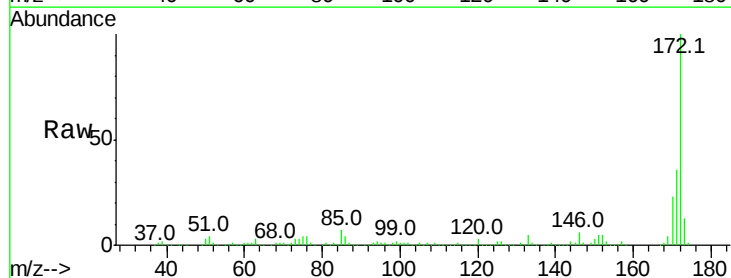
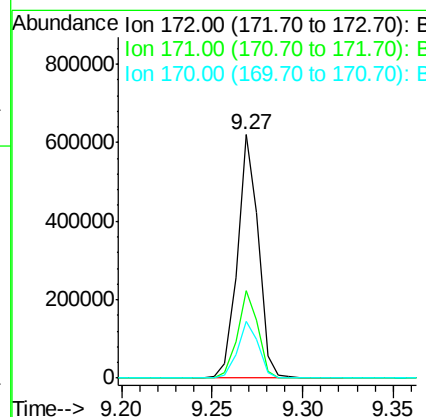
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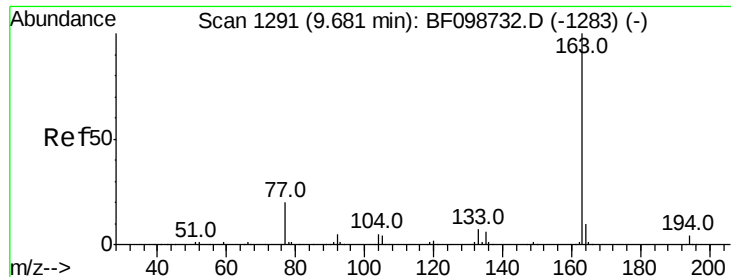
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#44
 2-Fluorobiphenyl
 Concen: 43.476 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	498040		
171	35.9	29.7	44.5	
170	23.2	19.6	29.4	





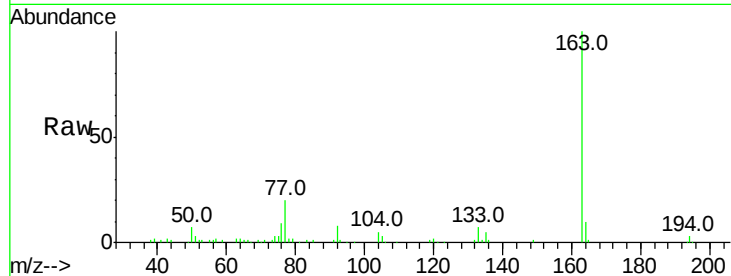
#49
 Dimethylphthalate
 Concen: 5.753 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.02 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Instrument :
 BNA_F
 ClientSampled :
 TR-04-092717

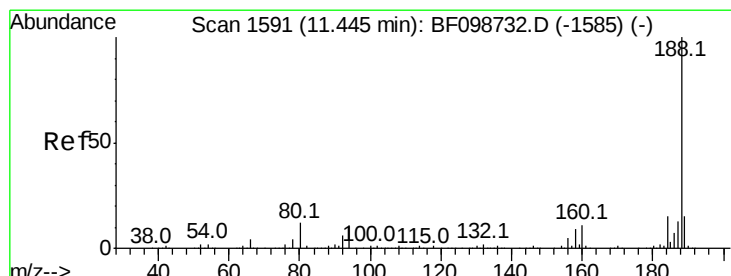
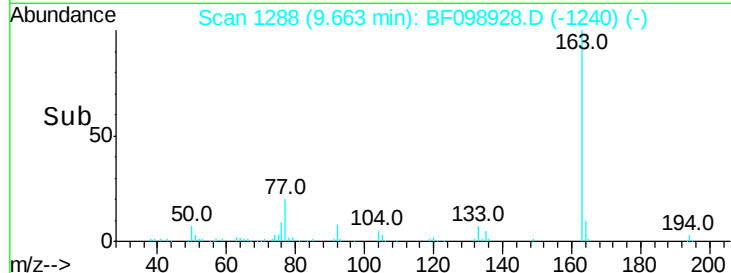
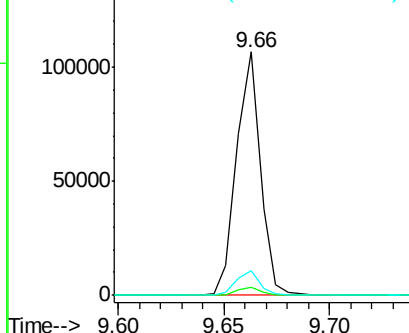
Tot Ion:	163	Resp:	83041
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.1	8.2	12.2

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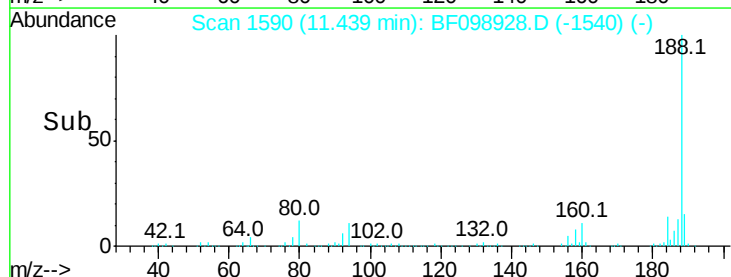
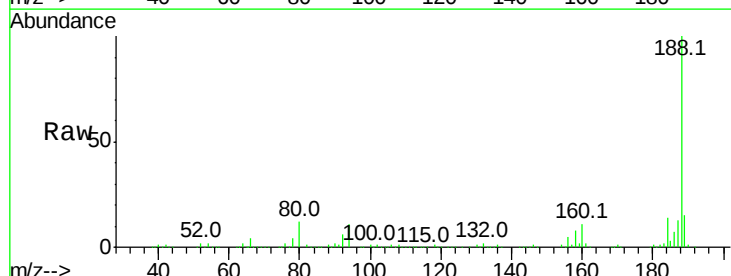
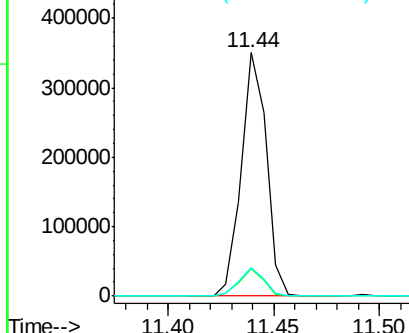
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 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

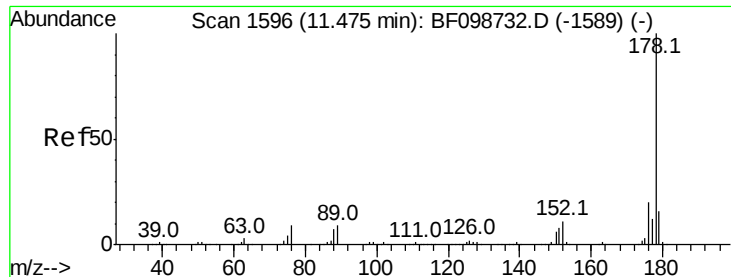


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Tgt Ion:	188	Resp:	288630
Ion Ratio	Lower	Upper	
188	100		
94	11.0	8.5	12.7
80	11.9	9.2	13.8

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





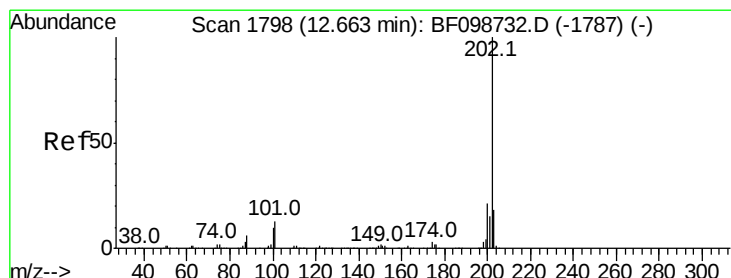
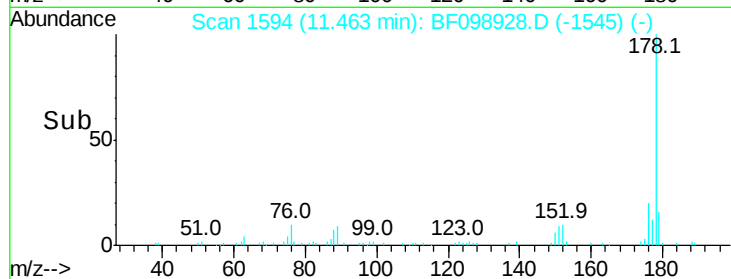
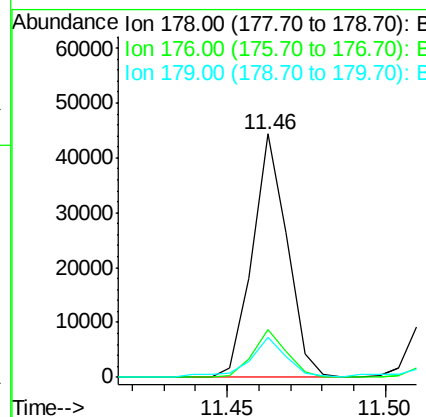
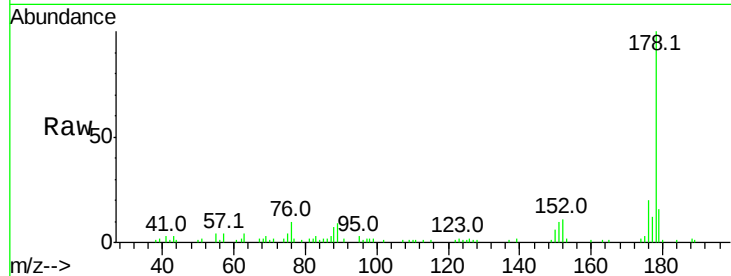
#70
Phenanthrene
Concen: 2.176 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampleId :
TR-04-092717

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.2	13.0	19.6

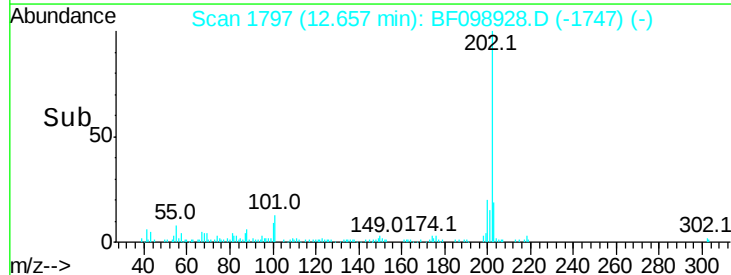
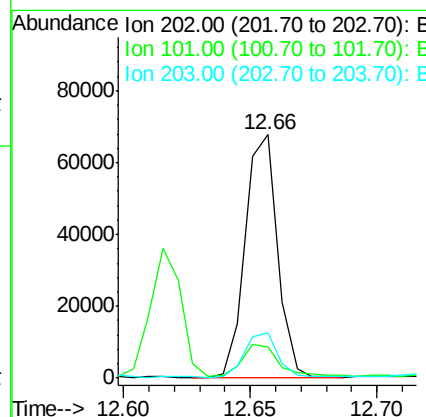
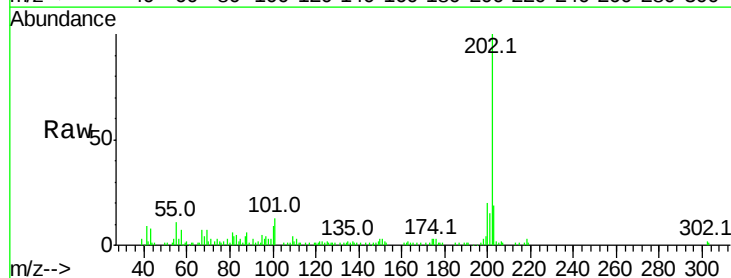
Manual Integrations
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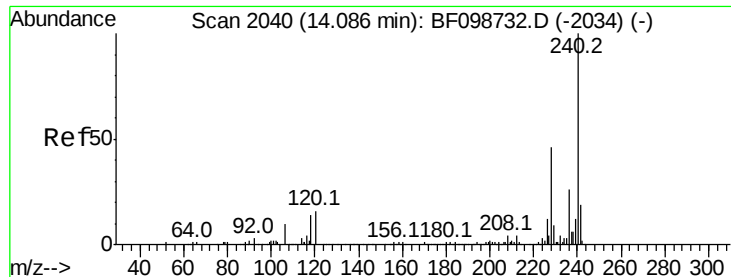
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#74
Fluoranthene
Concen: 3.845 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	18.5	0.0	38.1





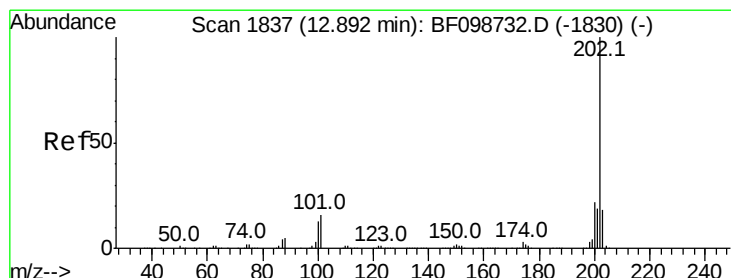
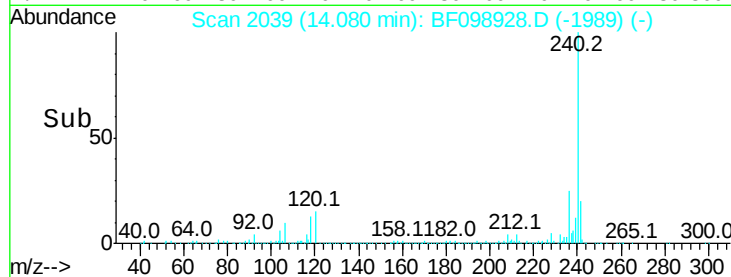
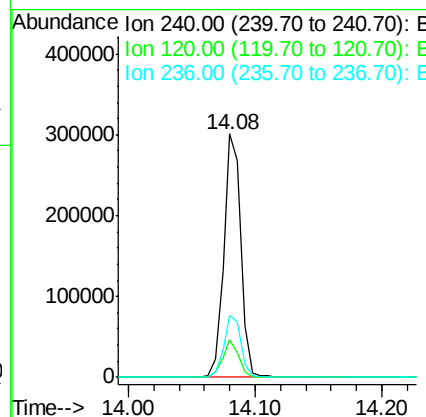
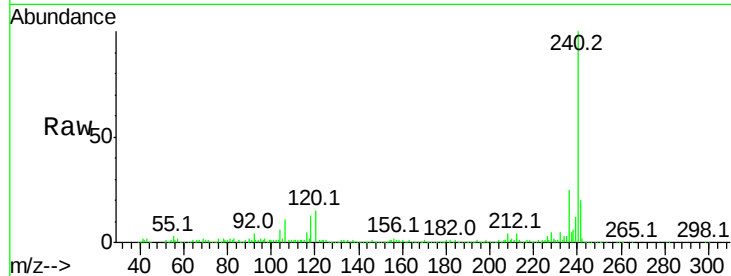
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092717

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3
236	25.3	20.7	31.1

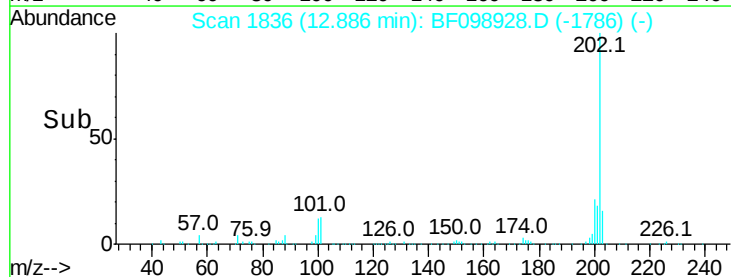
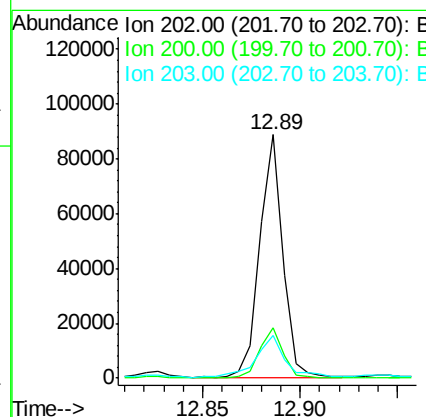
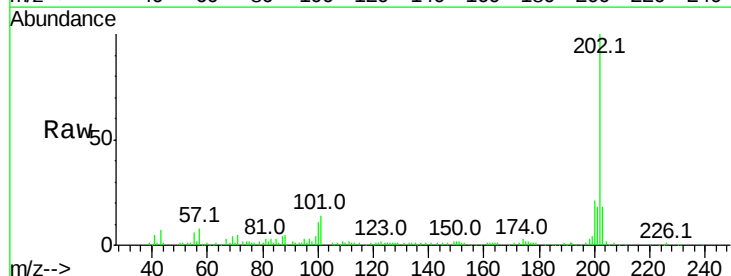
Manual Integrations
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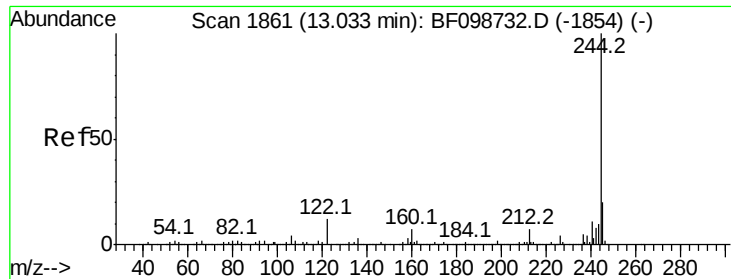
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#77
 Pyrene
 Concen: 3.390 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.5	14.3	21.5





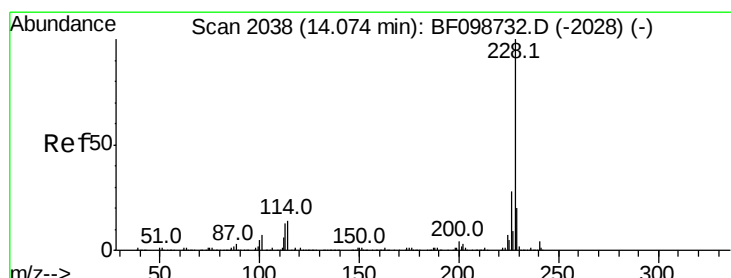
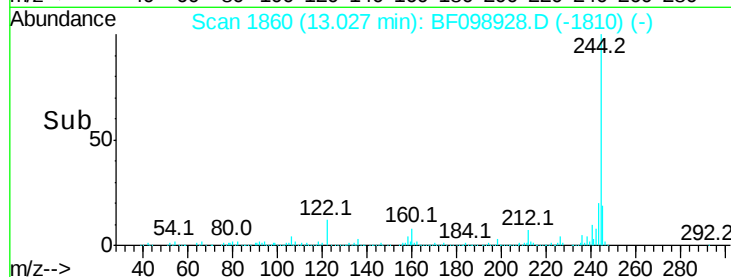
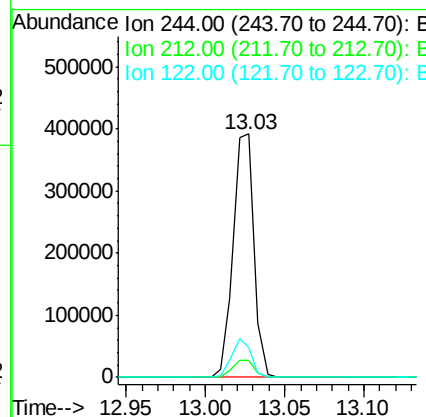
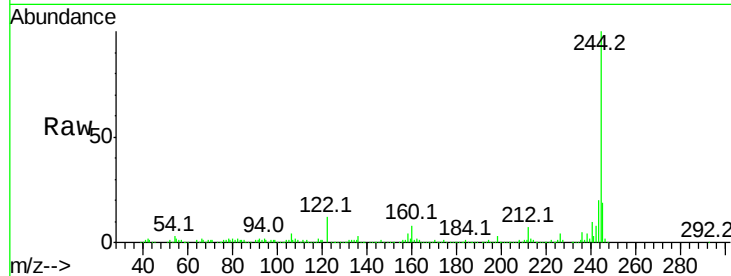
#78
 Terphenyl-d14
 Concen: 28.611 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092717

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.3	11.0	16.4

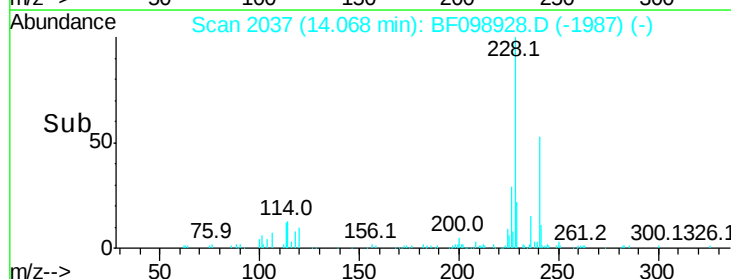
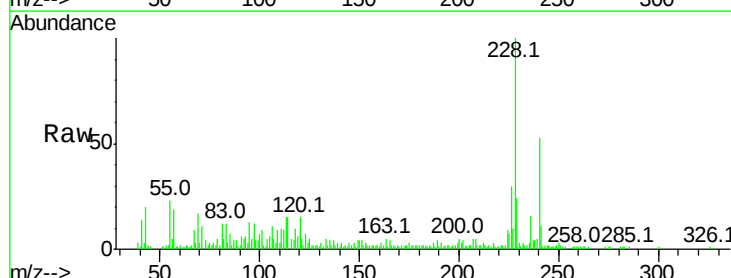
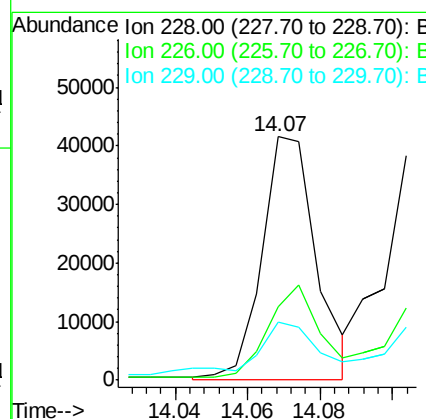
Manual Integrations
 APPROVED

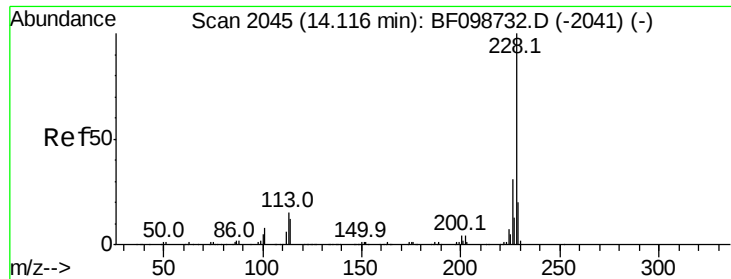
Sohil
 9/29/2017 6:04:48 PM



#80
 Benzo(a)anthracene
 Concen: 2.511 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	24.0	15.8	23.6





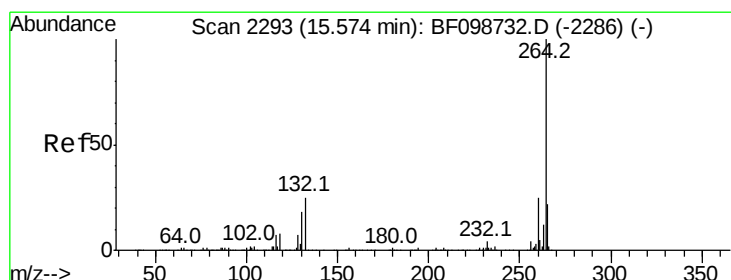
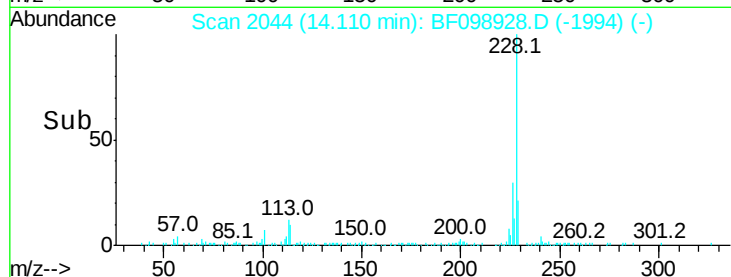
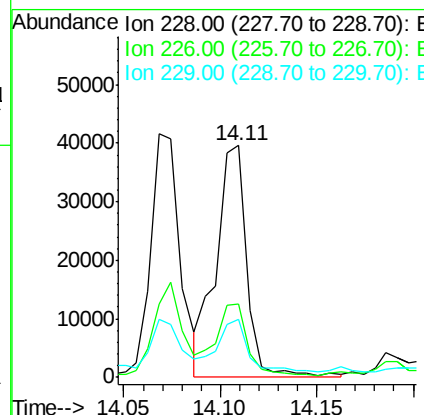
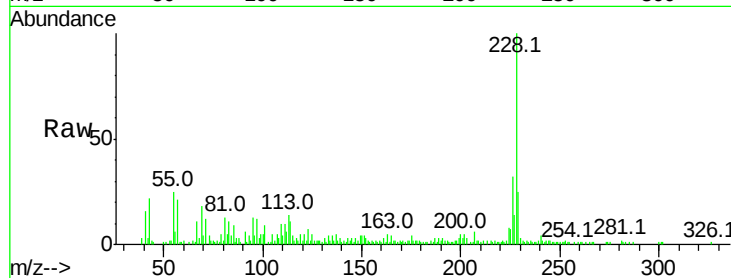
#82
 Chrysene
 Concen: 2.705 ng/ml
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Instrument :
 BNA_F
 ClientSampleID :
 TR-04-092717

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	24.8	16.2	24.4

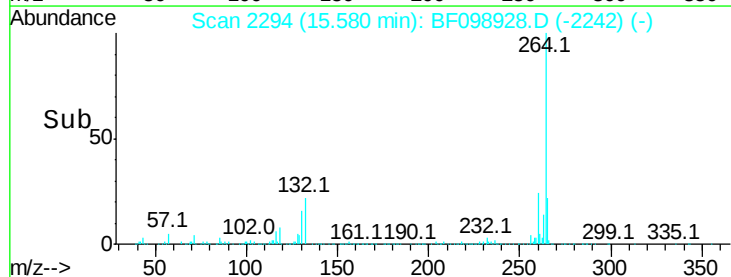
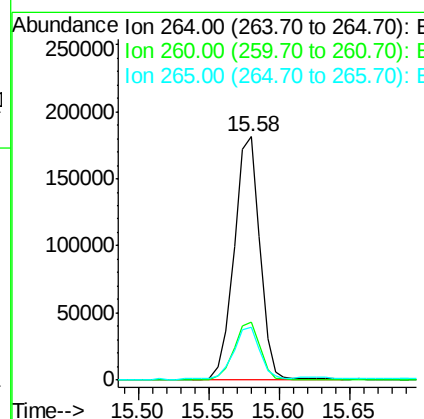
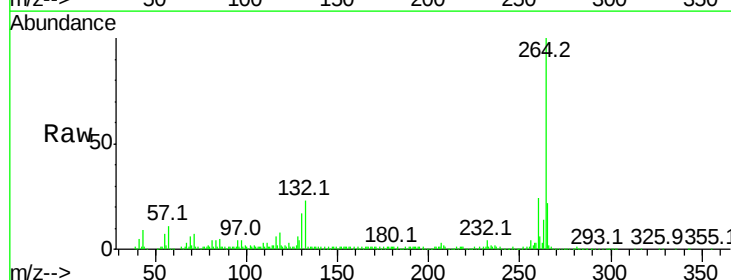
Manual Integrations
 APPROVED

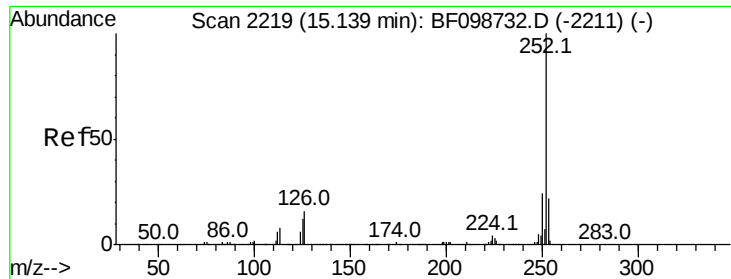
Sohil
 9/29/2017 6:04:48 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.649 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

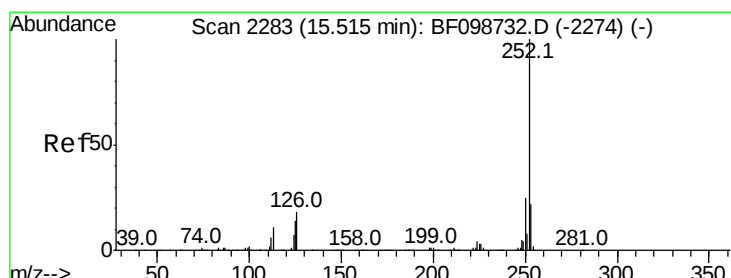
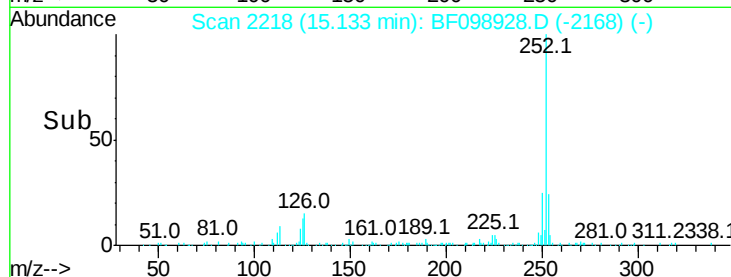
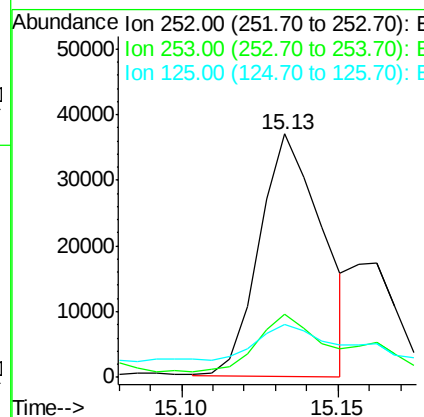
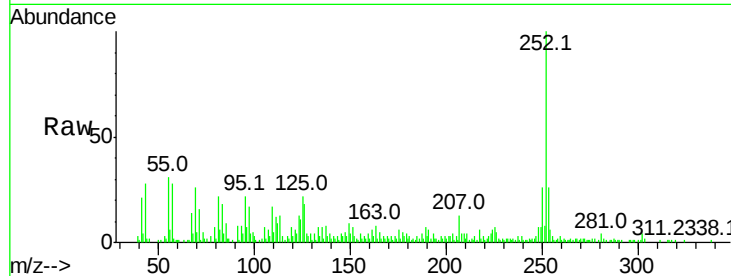
ClientSampleId :

TR-04-092717

Tot Ion:	252	Resp:	51552
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.0	25.6#
125	21.6	9.0	13.6#

Manual Integrations
APPROVED

Sohil
9/29/2017 6:04:48 PM



#89

Benzo(a)pyrene

Concen: 2.802 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Tgt Ion:	252	Resp:	36338
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.1	25.7
125	21.1	9.8	14.6#

