

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097442.D
 Acq On : 7 Aug 2017 21:20
 Operator : SJ/JU
 Sample : I4623-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WE

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:56:03 PM

Quant Time: Aug 08 05:47:02 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	89030	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	410322	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	146575	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	205864	20.00	ng	0.00
75) Chrysene-d12	13.53	240	191356	20.00	ng	0.00
86) Perylene-d12	14.87	264	158956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	579258	98.08	ng	0.00
7) Phenol-d6	6.08	99	657876	97.58	ng	0.00
23) Nitrobenzene-d5	6.98	82	456001	65.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	106594	92.04	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	680527	78.79	ng	0.00
78) Terphenyl-d14	12.49	244	403002	42.94	ng	0.00
Target Compounds						
10) Phenol	6.09	94	20549	2.569	ng	Qvalue # 55
49) Dimethylphthalate	9.17	163	160914	14.457	ng	98
51) Acenaphthene	9.47	154	19674	2.362	ng	96
57) Fluorene	9.98	166	16970	2.035	ng	92
70) Phenanthrene	10.93	178	184624	16.738	ng	99
71) Anthracene	10.99	178	40555	3.590	ng	99
74) Fluoranthene	12.11	202	245006	22.673	ng	96
77) Pyrene	12.34	202	195094	12.454	ng	99
80) Benzo(a)anthracene	13.52	228	111887	9.037	ng	99
82) Chrysene	13.56	228	94486	7.815	ng	97
85) Indeno(1,2,3-cd)pyrene	16.06	276	34711	3.348	ng	98
87) Benzo(b)fluoranthene	14.53	252	117683m	12.316	ng	
88) Benzo(k)fluoranthene	14.54	252	38182m	4.193	ng	
89) Benzo(a)pyrene	14.82	252	79359	9.075	ng	99
91) Benzo(a,h,i)perylene	16.42	276	29837	3.967	ng	93

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

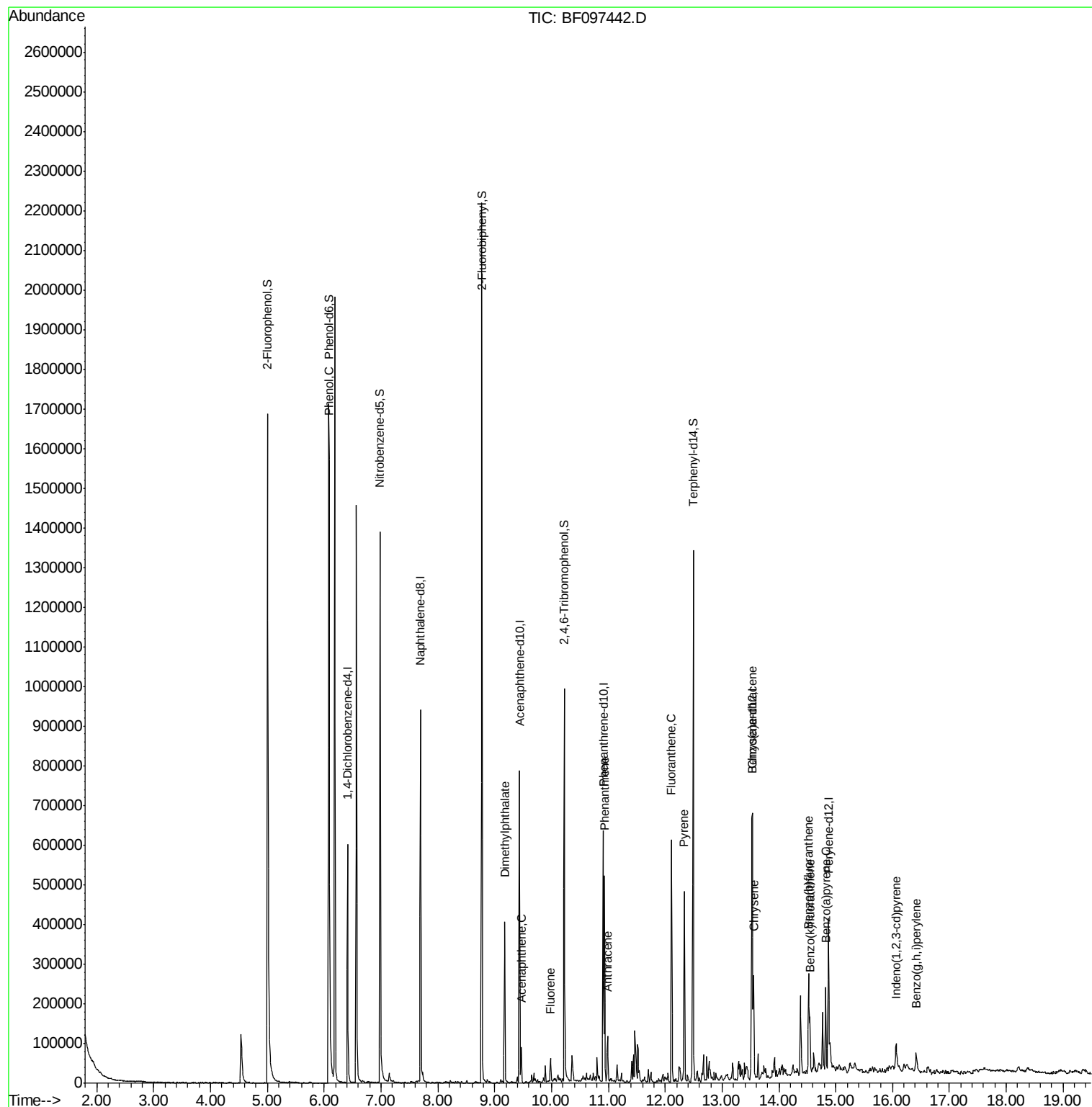
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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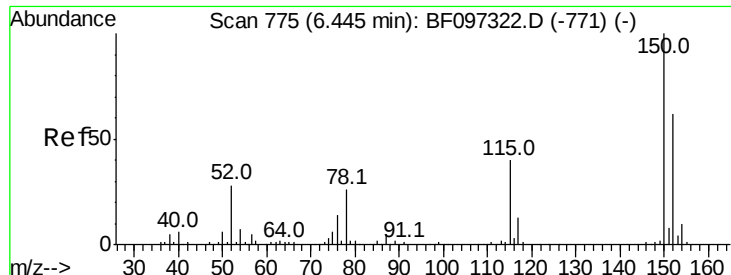
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

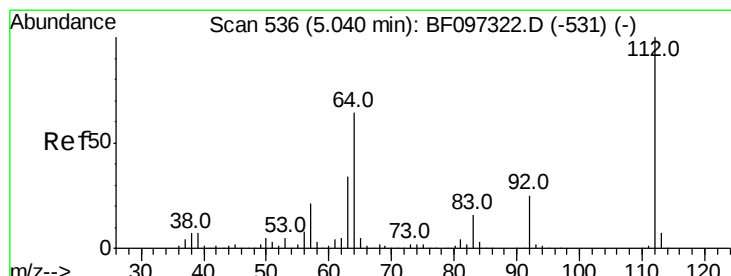
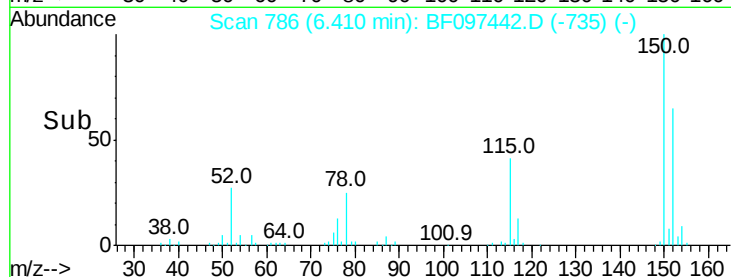
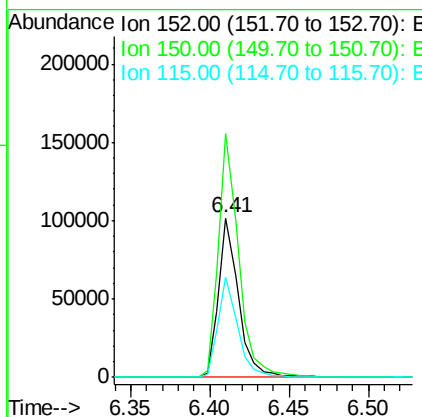
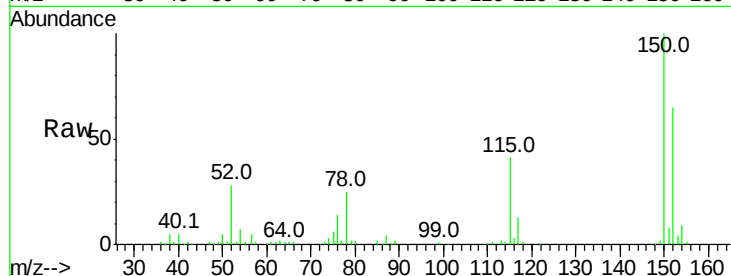
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampleId :
TEC-WE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	62.8	52.2	78.2

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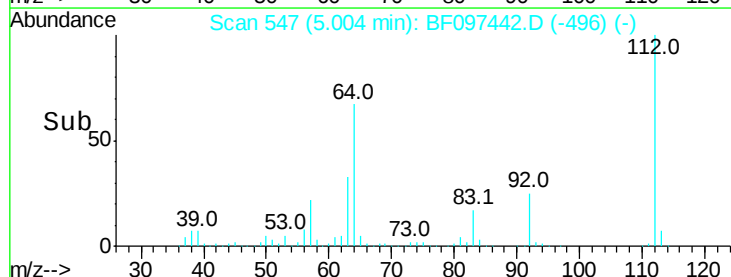
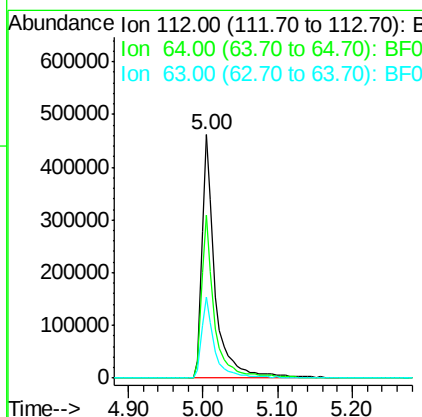
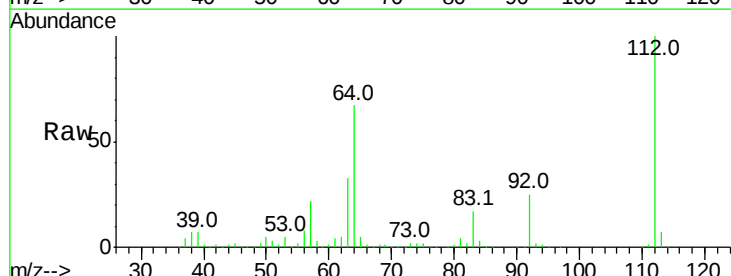
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#5

2-Fluorophenol
Concen: 98.082 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 97.575 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

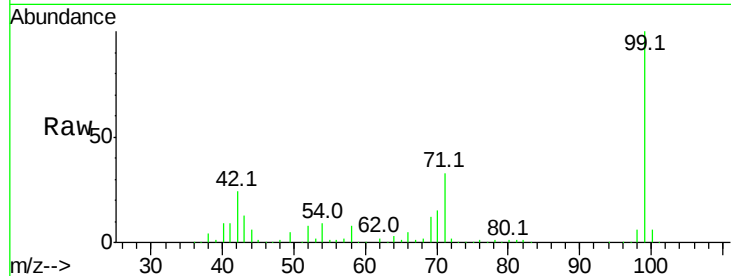
ClientSampled :

TEC-WE

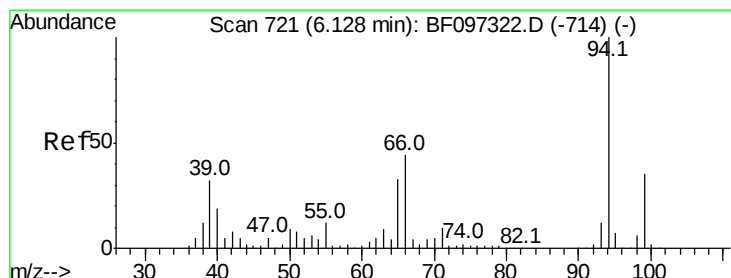
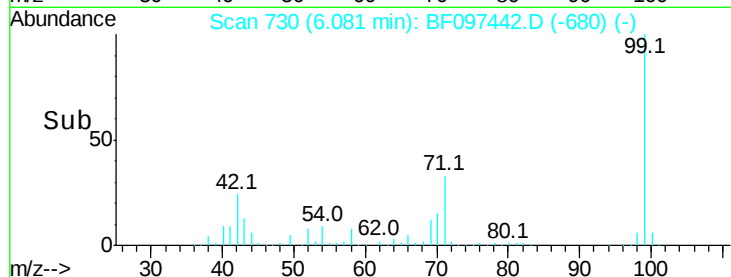
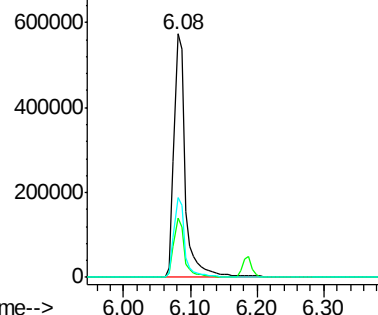
Tot Ion:	99	Resp:	657876
Ion Ratio	Lower	Upper	
99	100		
42	24.2	13.5	20.3#
71	32.7	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.569 ng

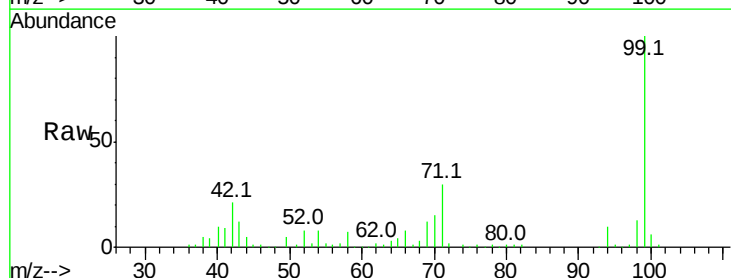
RT: 6.09 min Scan# 732

Delta R.T. -0.01 min

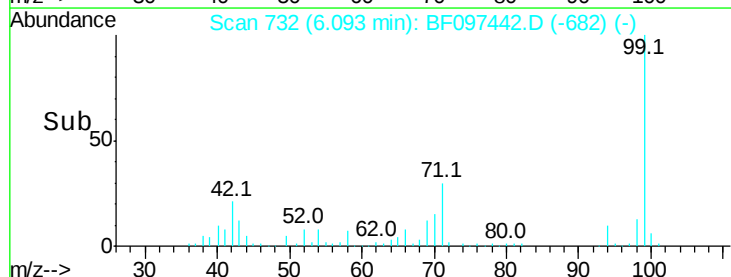
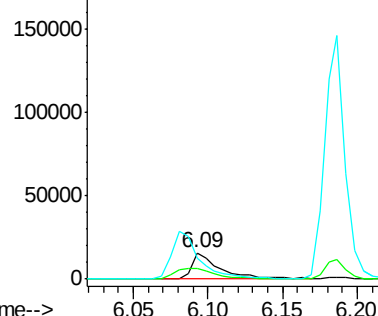
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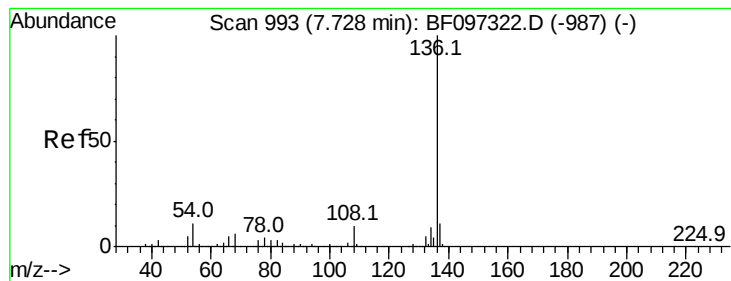
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Tgt Ion:	94	Resp:	20549
Ion Ratio	Lower	Upper	
94	100		
65	41.5	9.9	49.9
66	81.9	23.1	63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





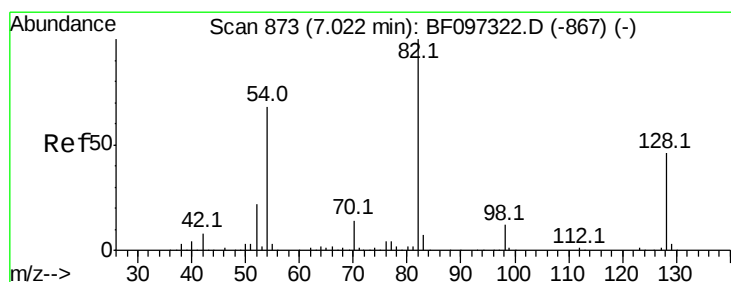
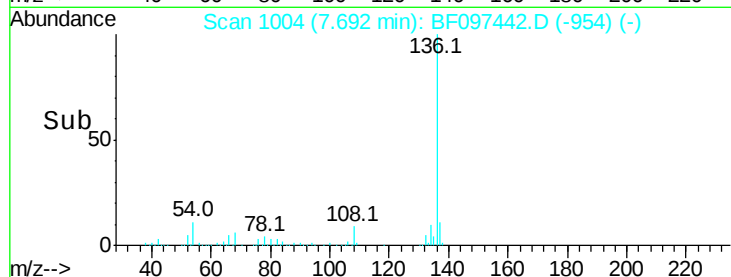
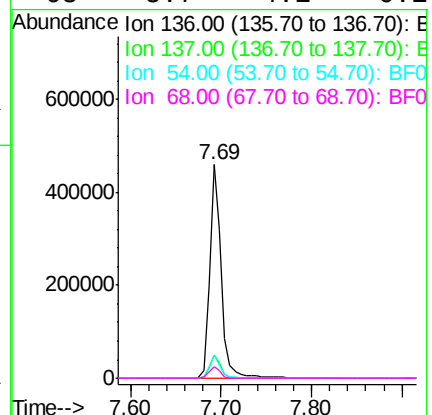
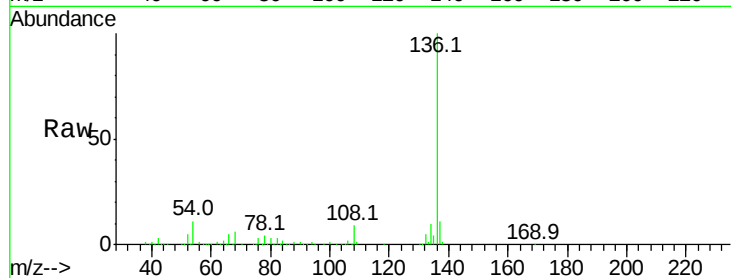
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampleId :
TEC-WE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	10.9	4.9	7.3	
68	5.7	4.1	6.1	

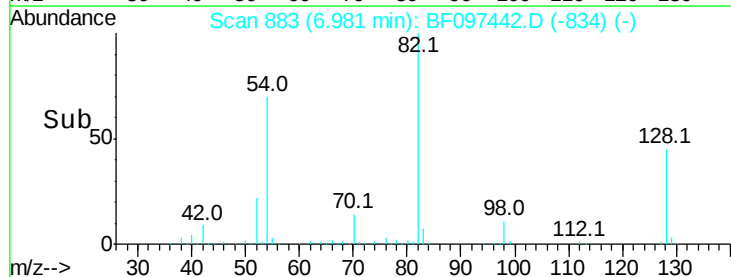
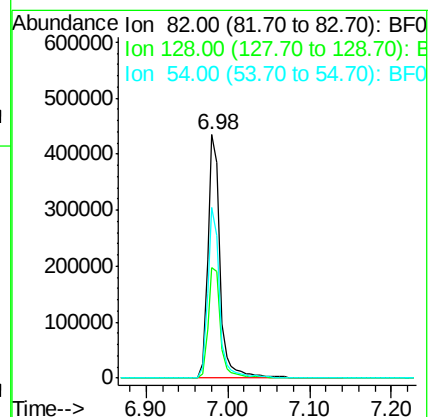
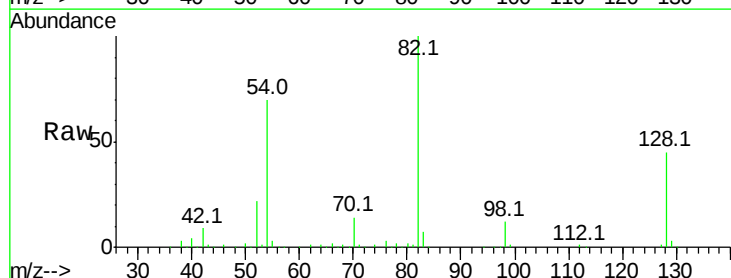
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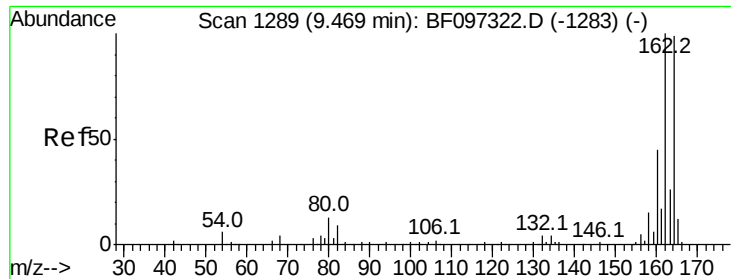
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#23
Nitrobenzene-d5
Concen: 65.195 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097442.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	34.0	51.0	
54	69.9	42.2	63.2	





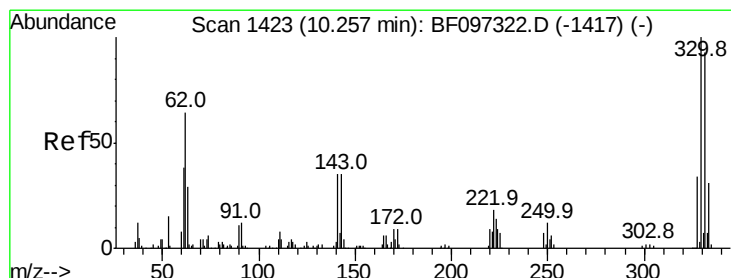
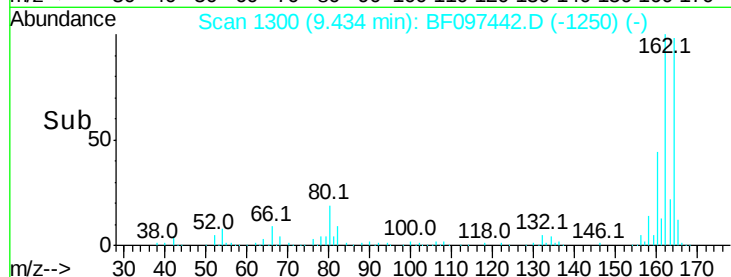
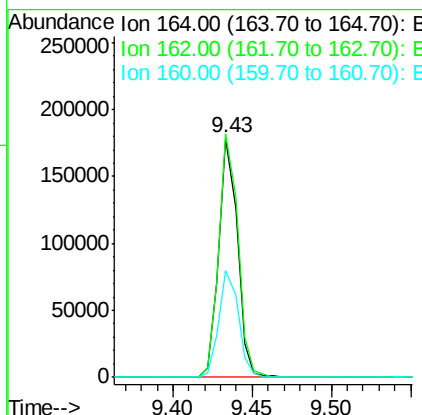
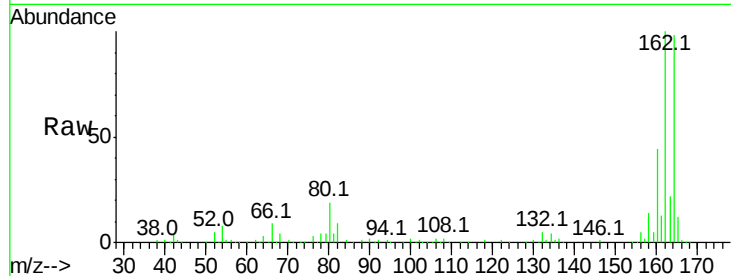
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampled :
TEC-WE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	146575		
162	101.9	82.6	123.8	
160	44.7	36.2	54.2	

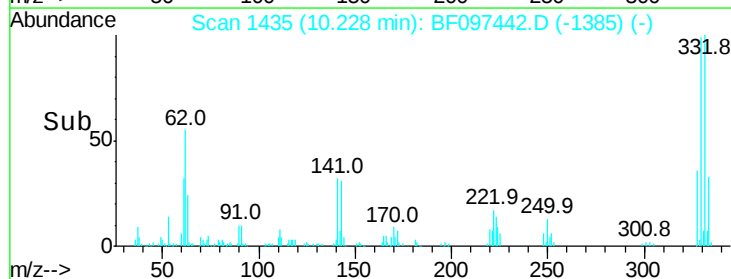
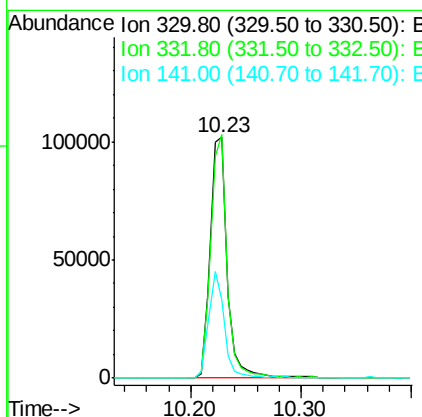
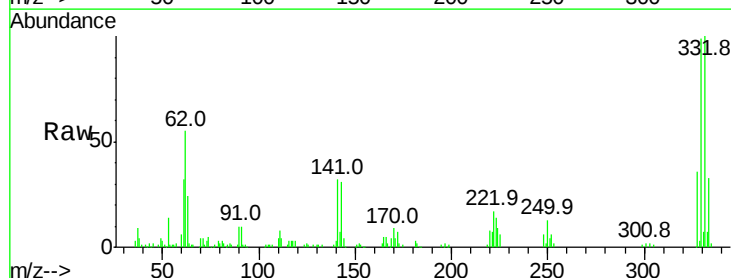
Manual Integrations
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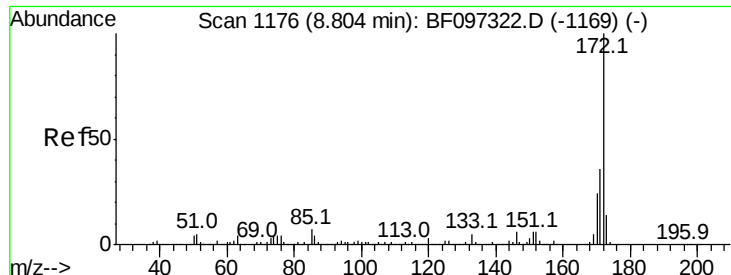
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#41
2,4,6-Tribromophenol
Concen: 92.043 ng
RT: 10.23 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	106594		
332	96.7	76.6	115.0	
141	40.0	31.4	47.2	





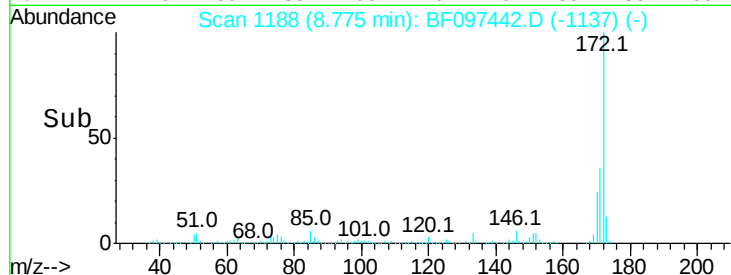
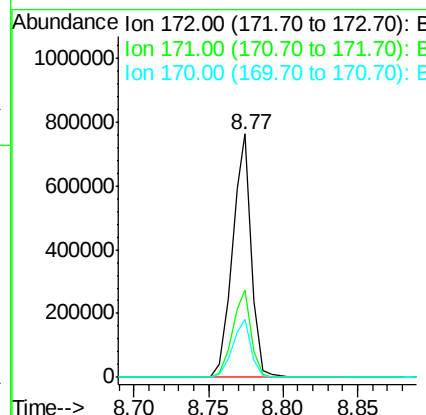
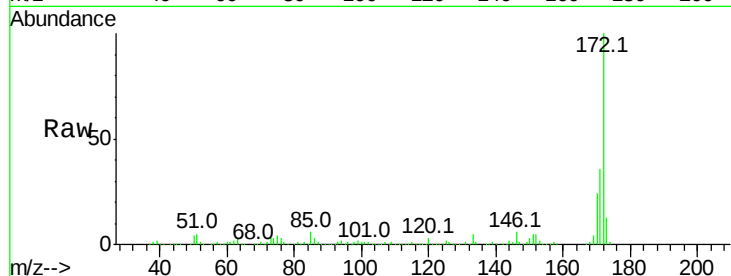
#44
2-Fluorobiphenyl
Concen: 78.794 ng
RT: 8.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampled :
TEC-WE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	680527		
171	35.8		29.6	44.4
170	24.1		19.8	29.8

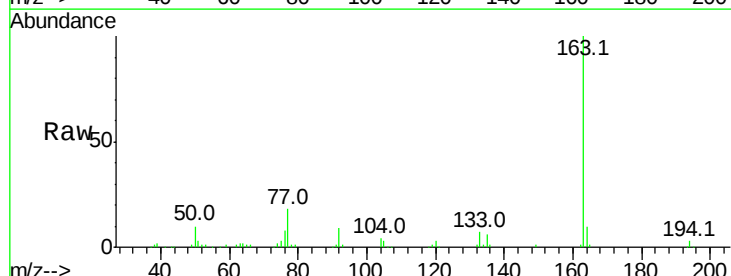
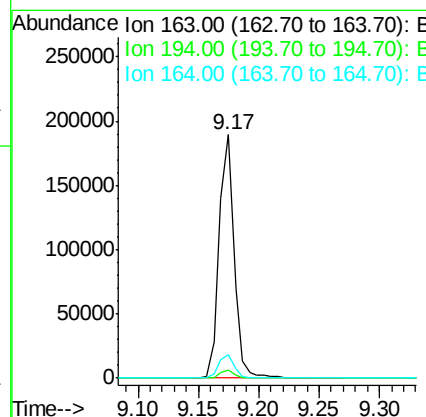
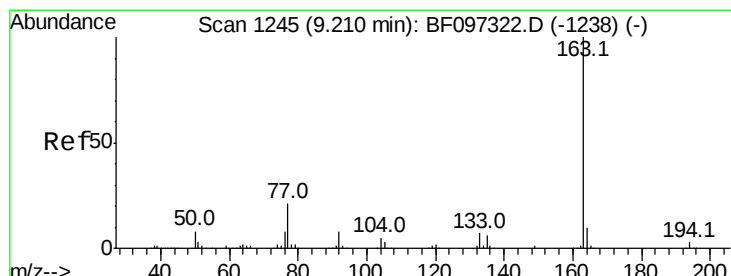
Manual Integrations
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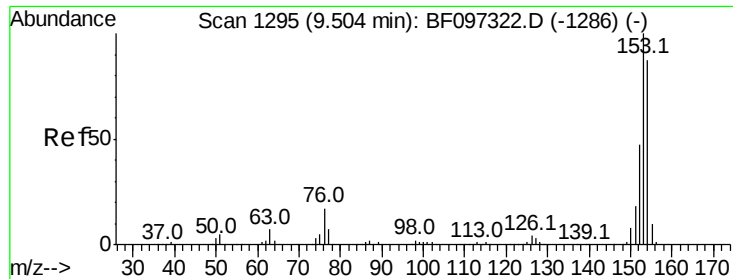
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#49
Dimethylphthalate
Concen: 14.457 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	160914		
194	3.3		2.6	4.0
164	9.6		8.4	12.6





#51

Acenaphthene

Concen: 2.362 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

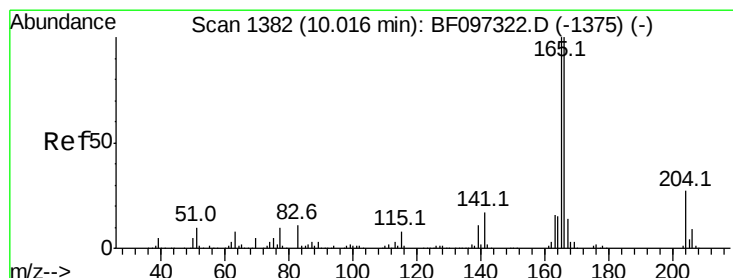
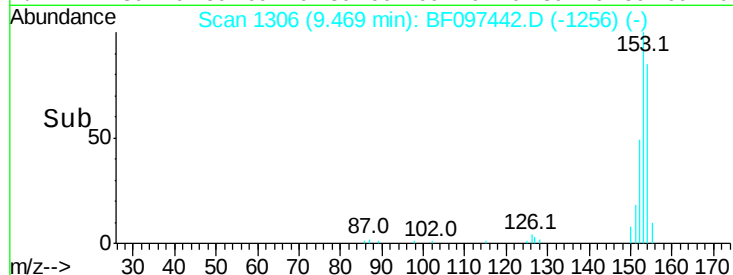
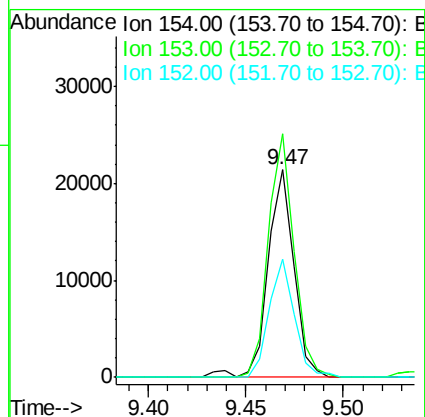
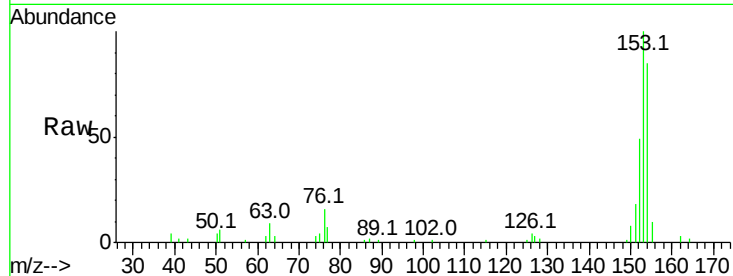
ClientSampleId :

TEC-WE

Tot Ion:	154	Resp:	19674
Ion Ratio	Lower	Upper	
154	100		
153	117.5	90.5	135.7
152	57.3	43.6	65.4

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#57

Fluorene

Concen: 2.035 ng

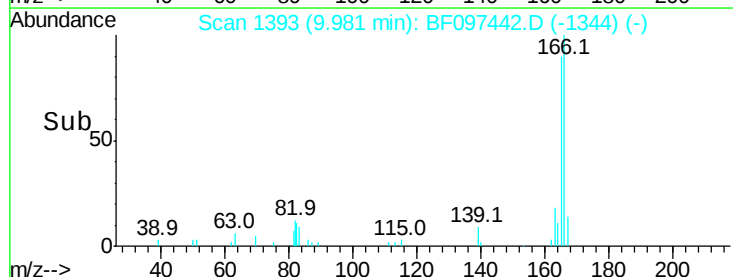
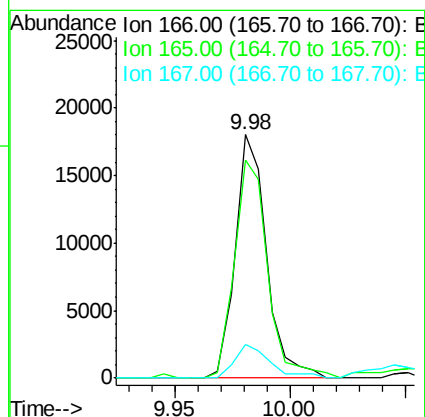
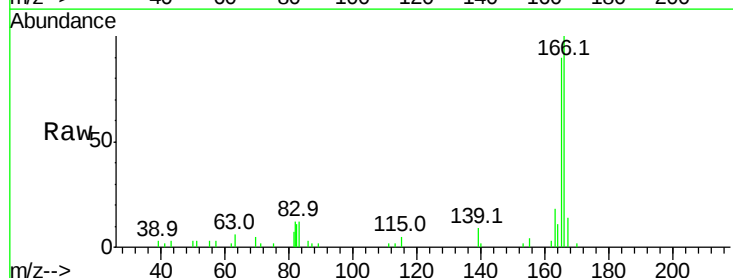
RT: 9.98 min Scan# 1393

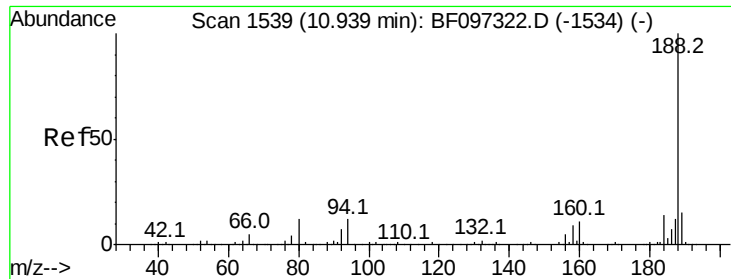
Delta R.T. -0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Tgt Ion:	166	Resp:	16970
Ion Ratio	Lower	Upper	
166	100		
165	89.7	78.8	118.2
167	14.0	10.6	16.0





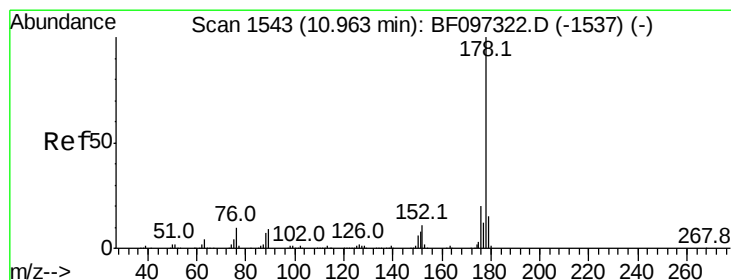
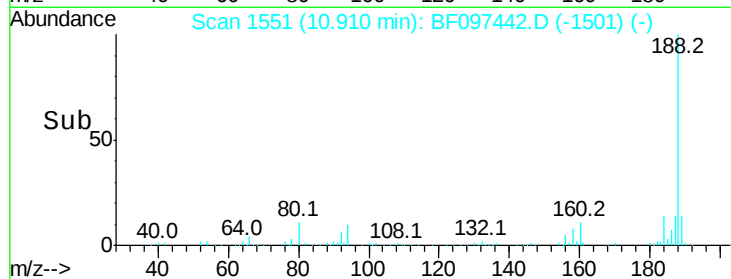
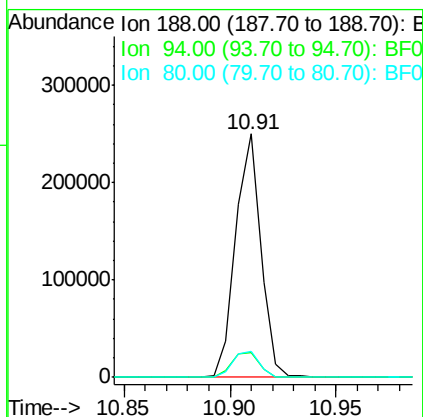
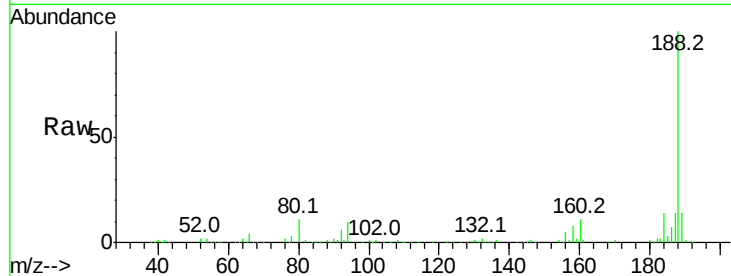
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampleId :
TEC-WE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	205864		
94	10.4		9.4	14.2
80	10.6		10.2	15.2

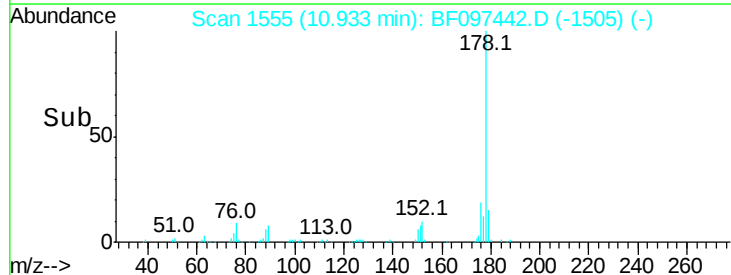
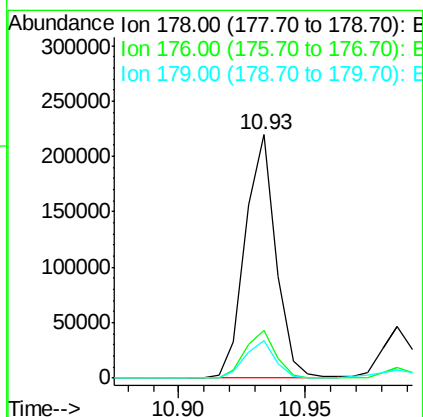
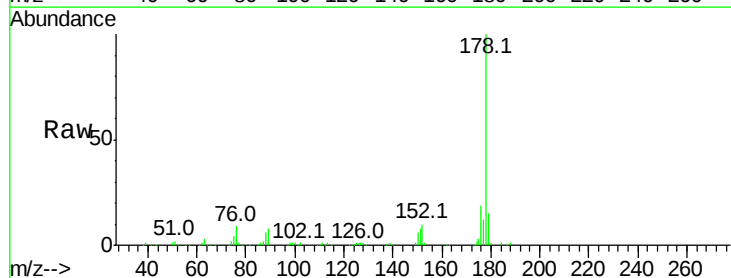
Manual Integrations
APPROVED

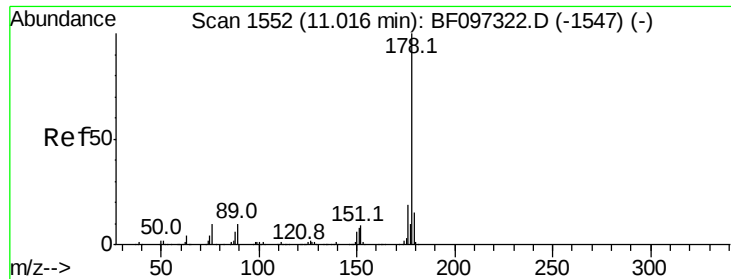
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#70
Phenanthrene
Concen: 16.738 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	184624		
176	19.5		16.2	24.4
179	15.5		12.6	19.0





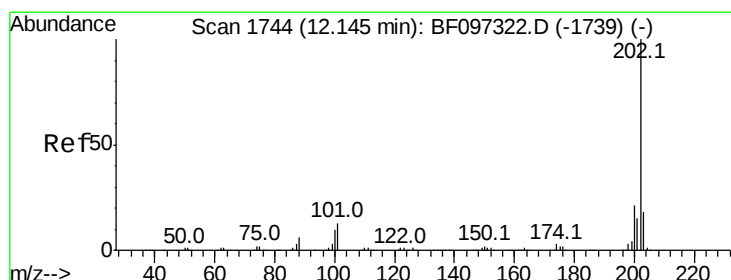
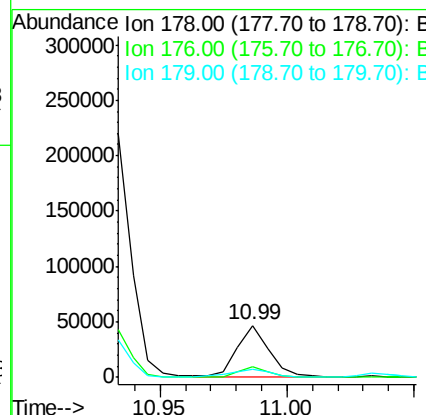
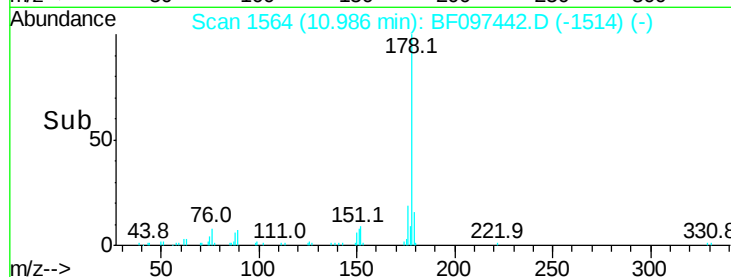
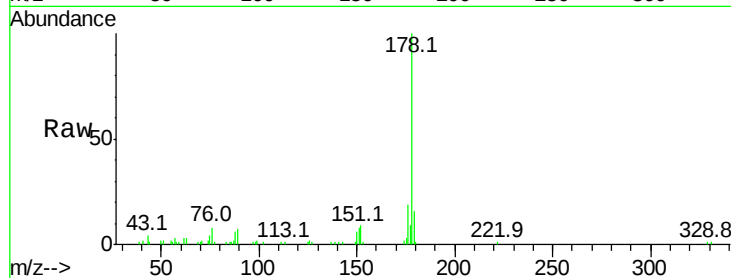
#71
 Anthracene
 Concen: 3.590 ng
 RT: 10.99 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Instrument :
 BNA_F
 ClientSampled :
 TEC-WE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.2	12.7	19.1

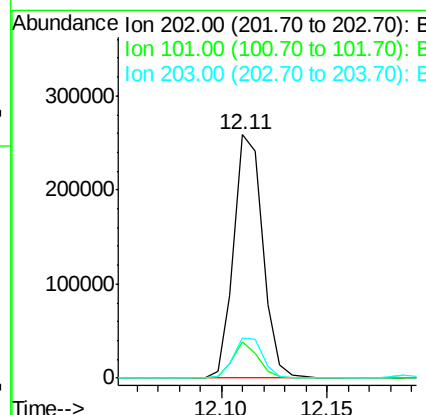
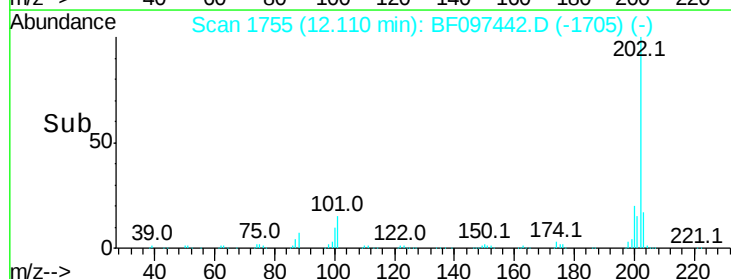
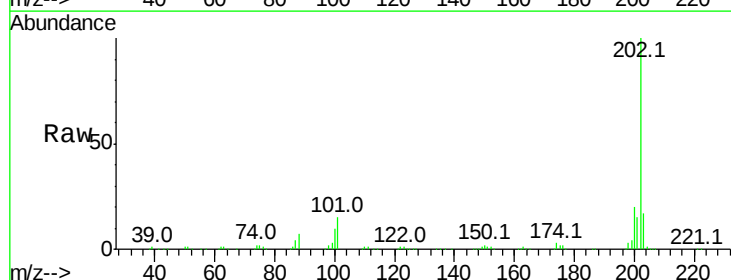
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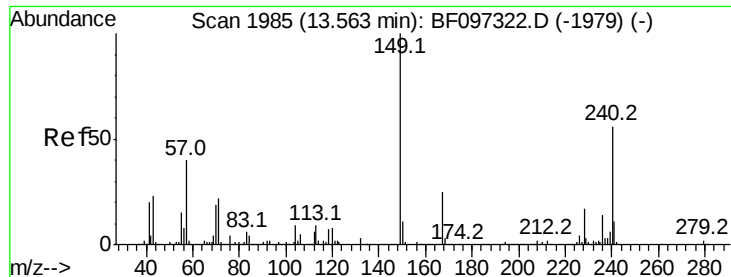
Sohil
 8/9/2017 7:56:03 PM



#74
 Fluoranthene
 Concen: 22.673 ng
 RT: 12.11 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	16.5	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: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

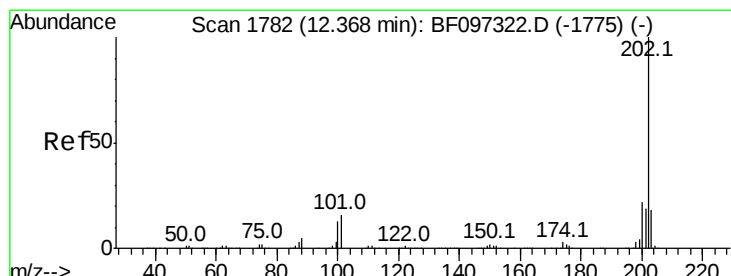
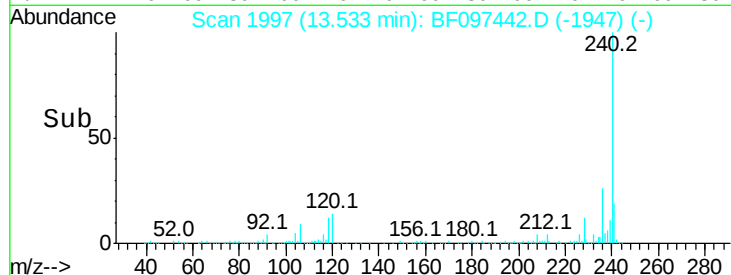
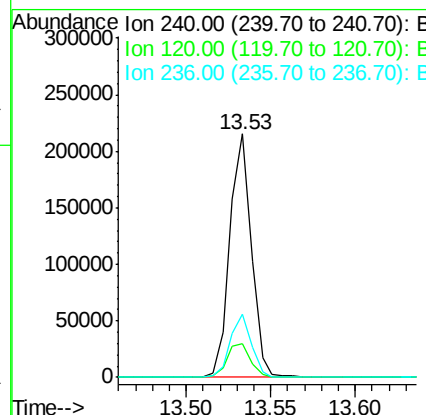
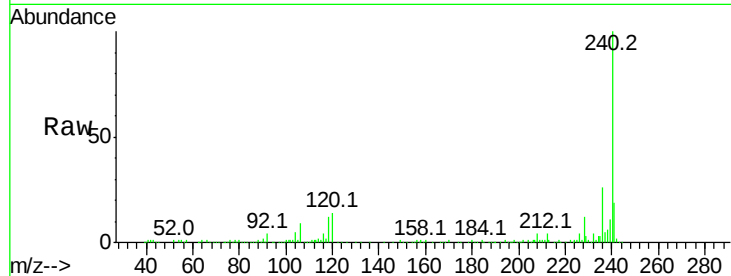
ClientSampleId :

TEC-WE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	191356		
120	14.0	5.8	8.8#	
236	26.1	20.5	30.7	

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#77

Pyrene

Concen: 12.454 ng

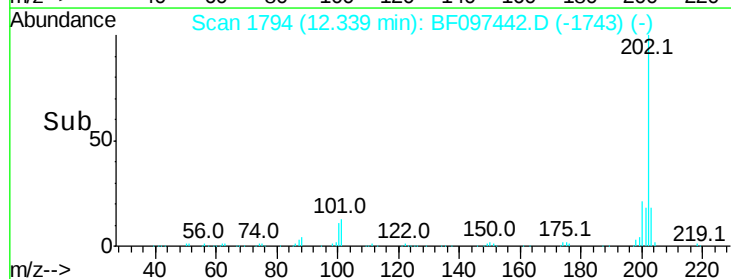
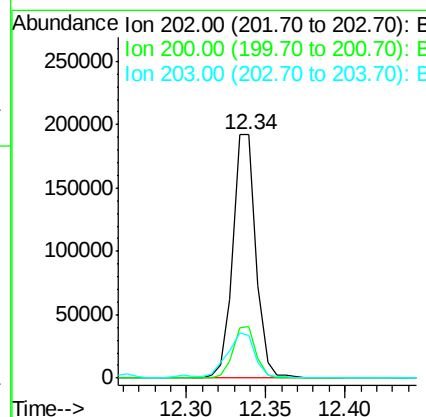
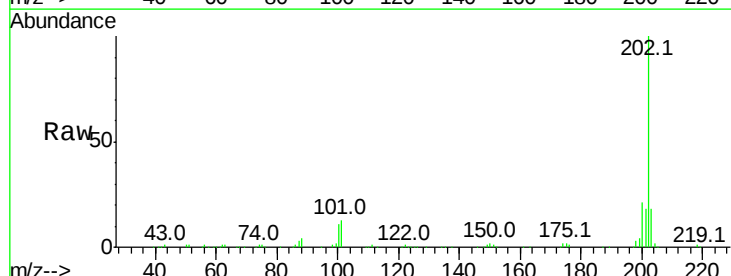
RT: 12.34 min Scan# 1794

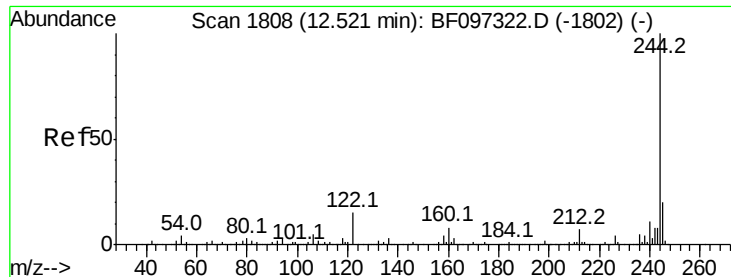
Delta R.T. 0.00 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	195094		
200	21.1	17.6	26.4	
203	17.6	14.4	21.6	





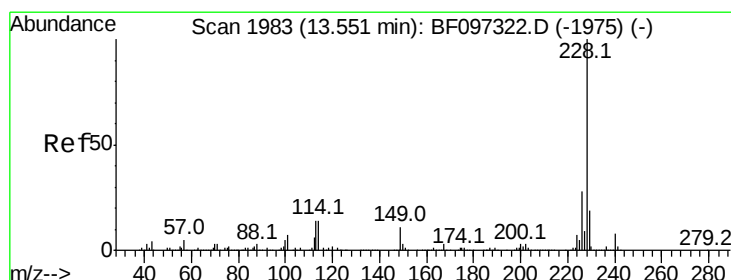
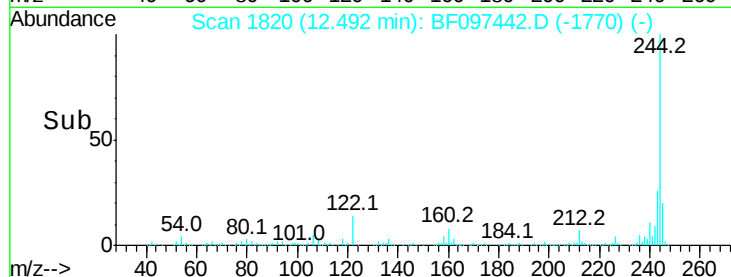
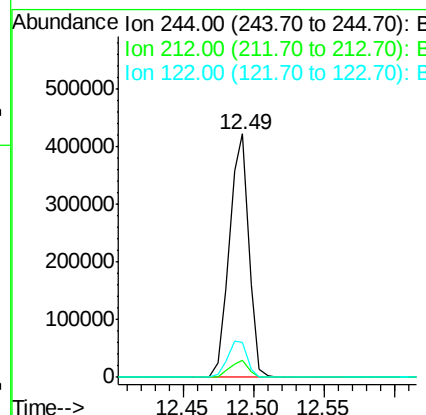
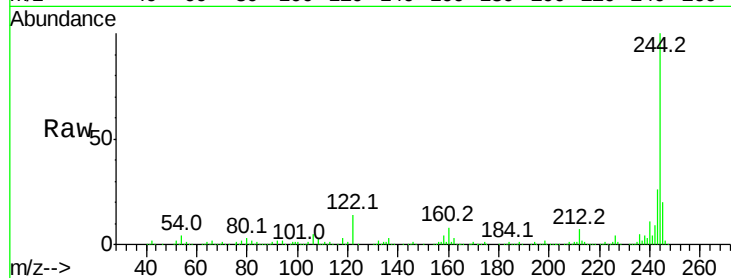
#78
 Terphenyl-d14
 Concen: 42.939 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Instrument :
 BNA_F
 ClientSampled :
 TEC-WE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.1	10.3	15.5

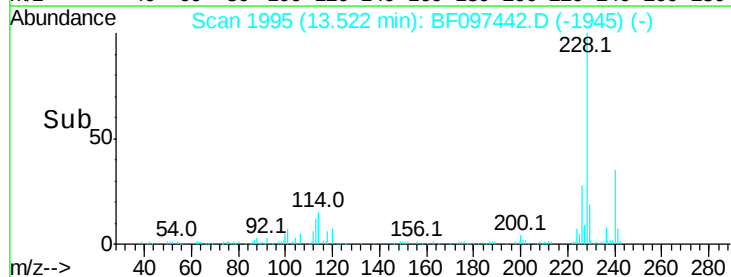
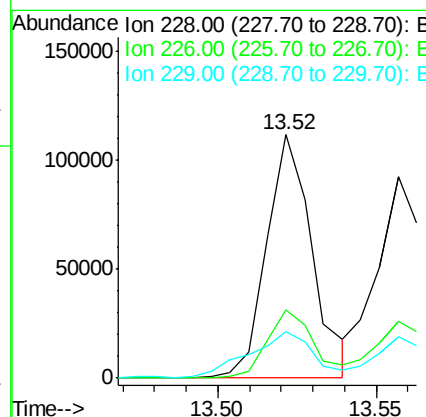
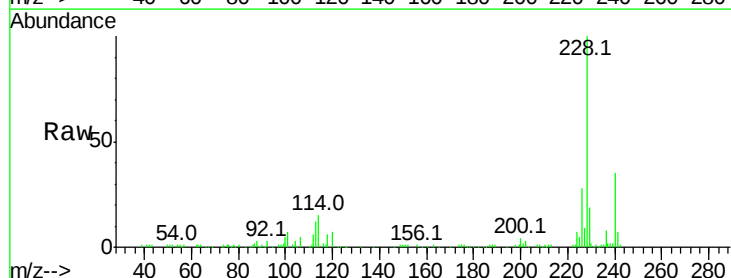
Manual Integrations
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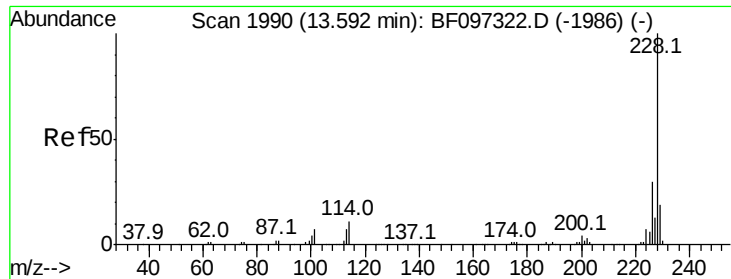
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#80
 Benzo(a)anthracene
 Concen: 9.037 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF097442.D
 Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	19.3	16.3	24.5





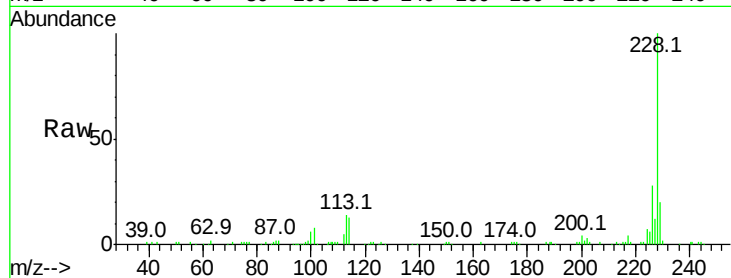
#82
Chrysene
Concen: 7.815 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampleId :
TEC-WE

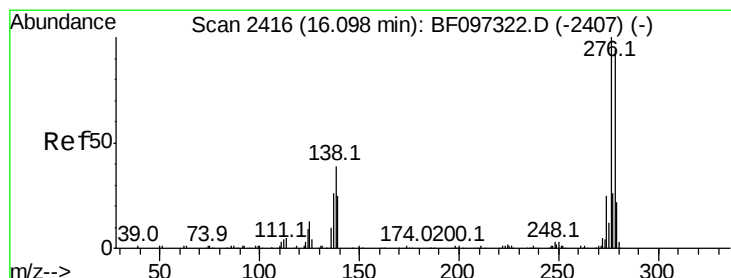
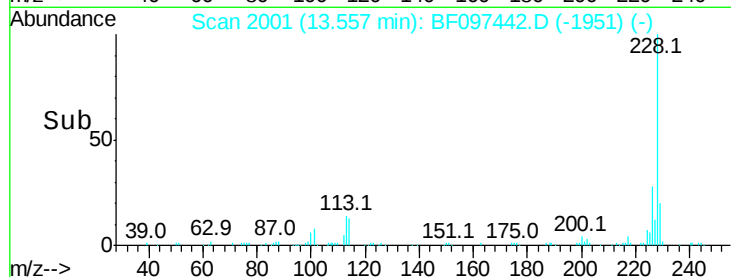
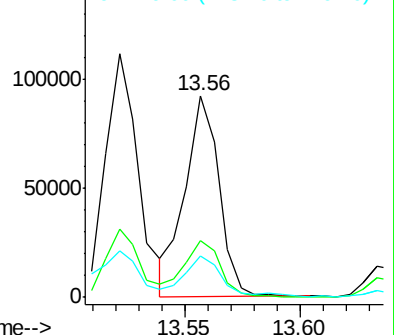
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.9	37.3
229	20.3	15.8	23.6

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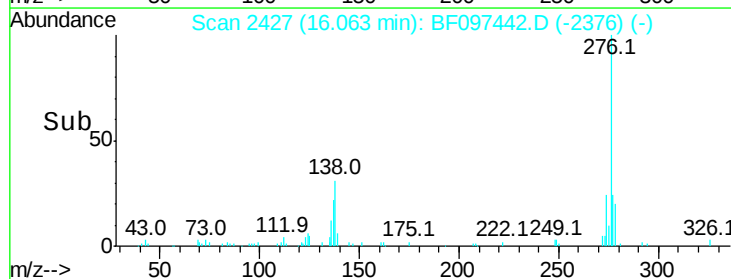
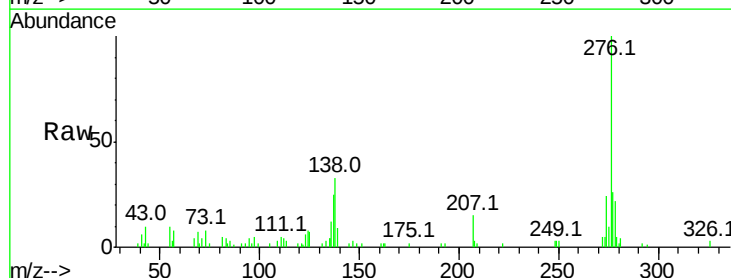
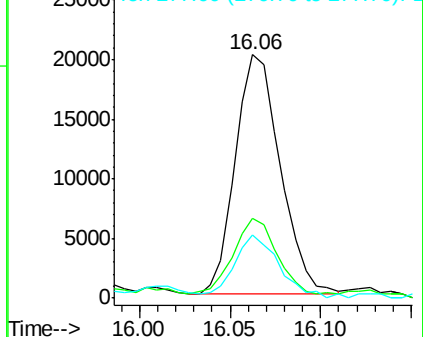
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

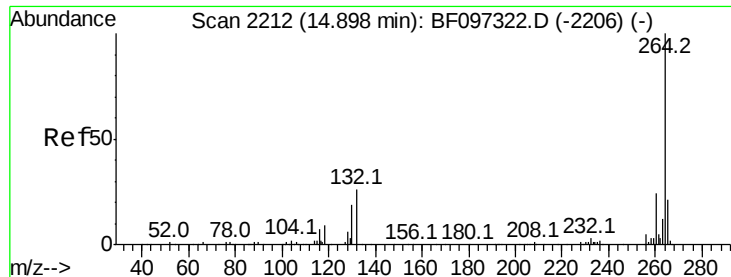


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.348 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.2	27.8	41.6
277	26.7	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





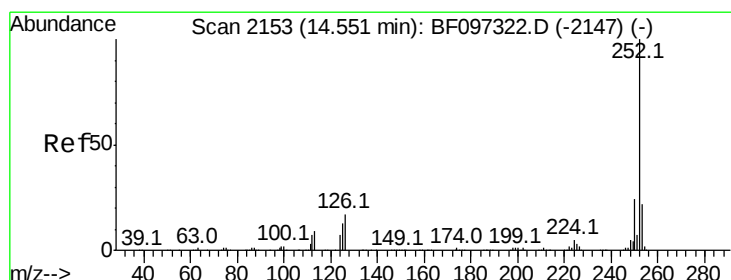
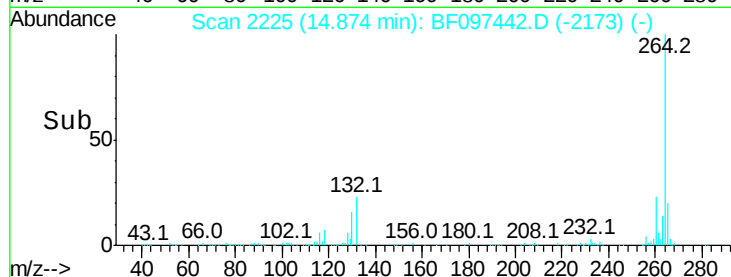
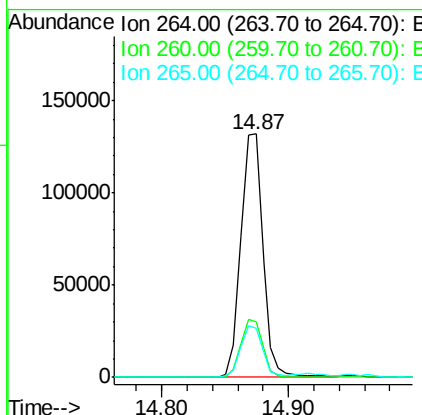
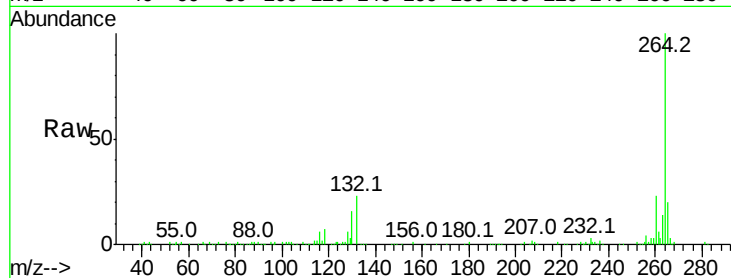
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampleId :
TEC-WE

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	20.3	17.2	25.8

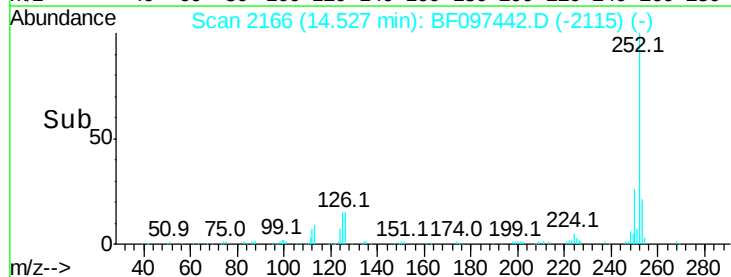
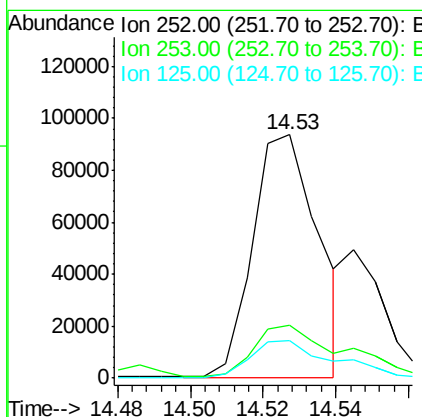
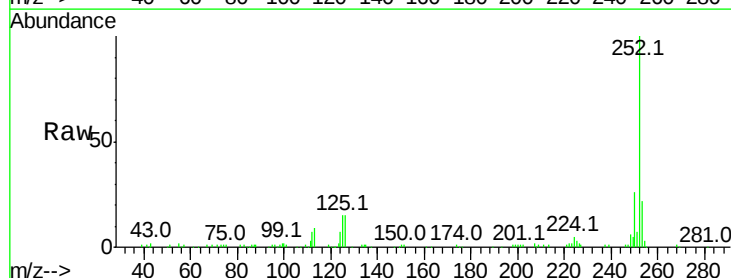
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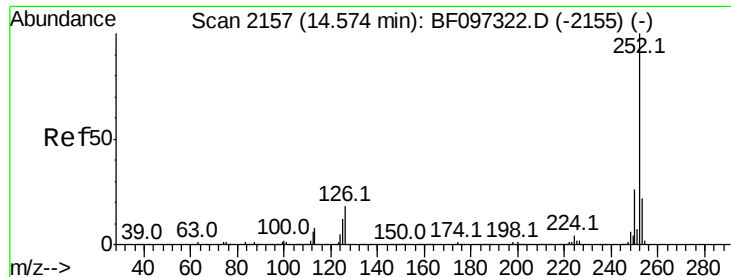
Sohil
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#87
Benzo(b)fluoranthene
Concen: 12.316 ng m
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	15.5	9.8	14.8#





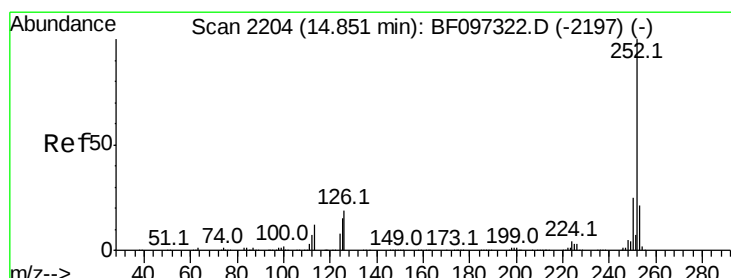
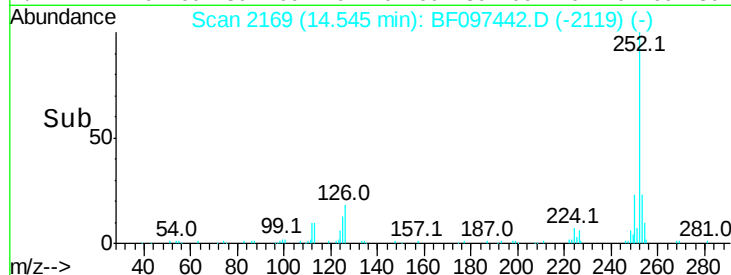
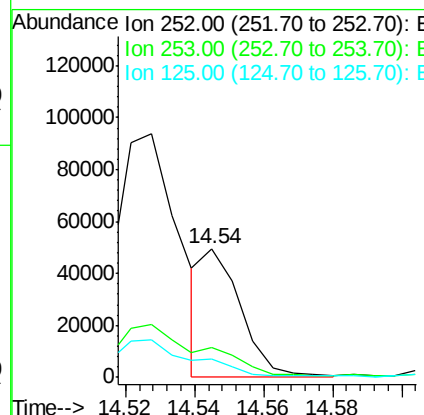
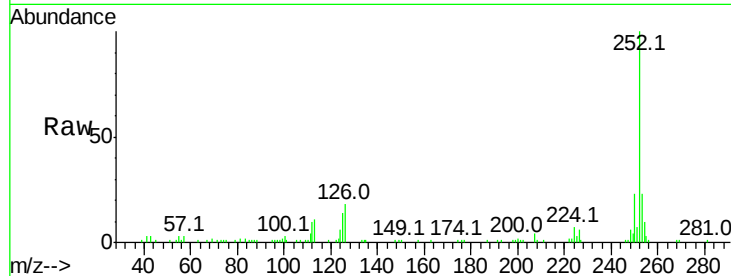
#88
Benzo(k)fluoranthene
Concen: 4.193 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Instrument :
BNA_F
ClientSampled :
TEC-WE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	13.9	13.1	19.7

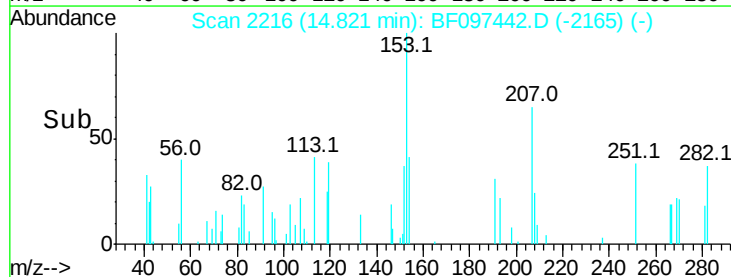
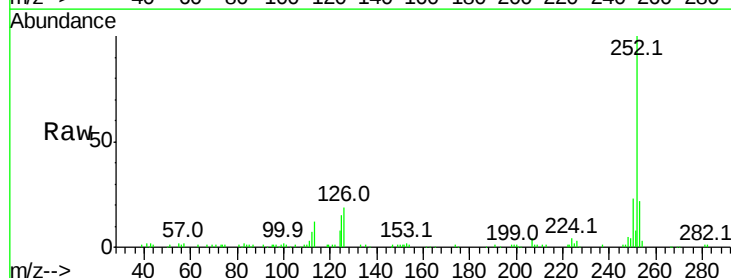
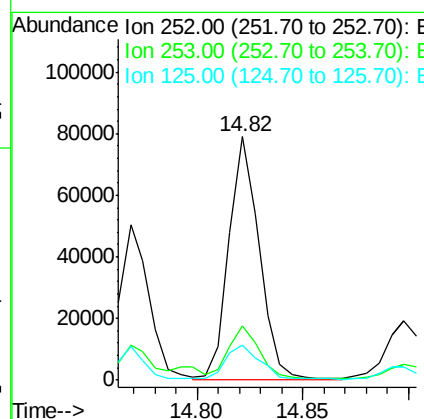
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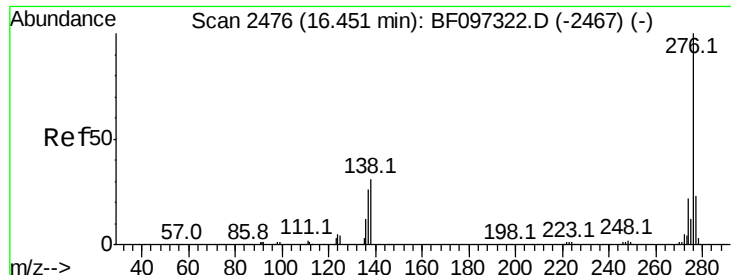
Sohil
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#89
Benzo(a)pyrene
Concen: 9.075 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097442.D
Acq: 7 Aug 2017 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.967 ng

RT: 16.42 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF097442.D

Acq: 7 Aug 2017 21:20

Instrument :

BNA_F

ClientSampleId :

TEC-WE

Tot Ion:	276	Resp:	29837
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.6	28.0
138	36.3	25.4	38.0

Manual Integrations
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