

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097445.D
 Acq On : 7 Aug 2017 22:45
 Operator : SJ/JU
 Sample : I4636-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-080417

Manual Integrations
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 8/9/2017 7:56:20 PM

Quant Time: Aug 08 05:59:03 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	97299	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	363154	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	150868	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	210072	20.00	ng	0.00
75) Chrysene-d12	13.53	240	185441	20.00	ng	0.00
86) Perylene-d12	14.87	264	133174	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	43660	6.76	ng	0.02
7) Phenol-d6	6.10	99	71274	9.67	ng	0.01
23) Nitrobenzene-d5	6.99	82	35241	5.69	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	8477	7.11	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	69590	7.83	ng	0.00
78) Terphenyl-d14	12.49	244	45759	5.03	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.30	152	44166	3.034	ng	Qvalue 100
70) Phenanthrene	10.93	178	89056	7.912	ng	98
71) Anthracene	10.99	178	39611	3.436	ng	96
74) Fluoranthene	12.12	202	276816	25.104	ng	99
77) Pyrene	12.34	202	279214	18.392	ng	99
80) Benzo(a)anthracene	13.52	228	151322	12.611	ng	99
82) Chrysene	13.56	228	144126	12.301	ng	96
85) Indeno(1,2,3-cd)pyrene	16.07	276	52647	5.240	ng	99
87) Benzo(b)fluoranthene	14.53	252	150909m	18.851	ng	
88) Benzo(k)fluoranthene	14.54	252	63805m	8.364	ng	
89) Benzo(a)pyrene	14.83	252	112048	15.293	ng	97
90) Dibenzo(a,h)anthracene	16.06	278	12695	2.113	ng	# 86
91) Benzo(a,h,i)perylene	16.42	276	51755	8.214	ng	# 94

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

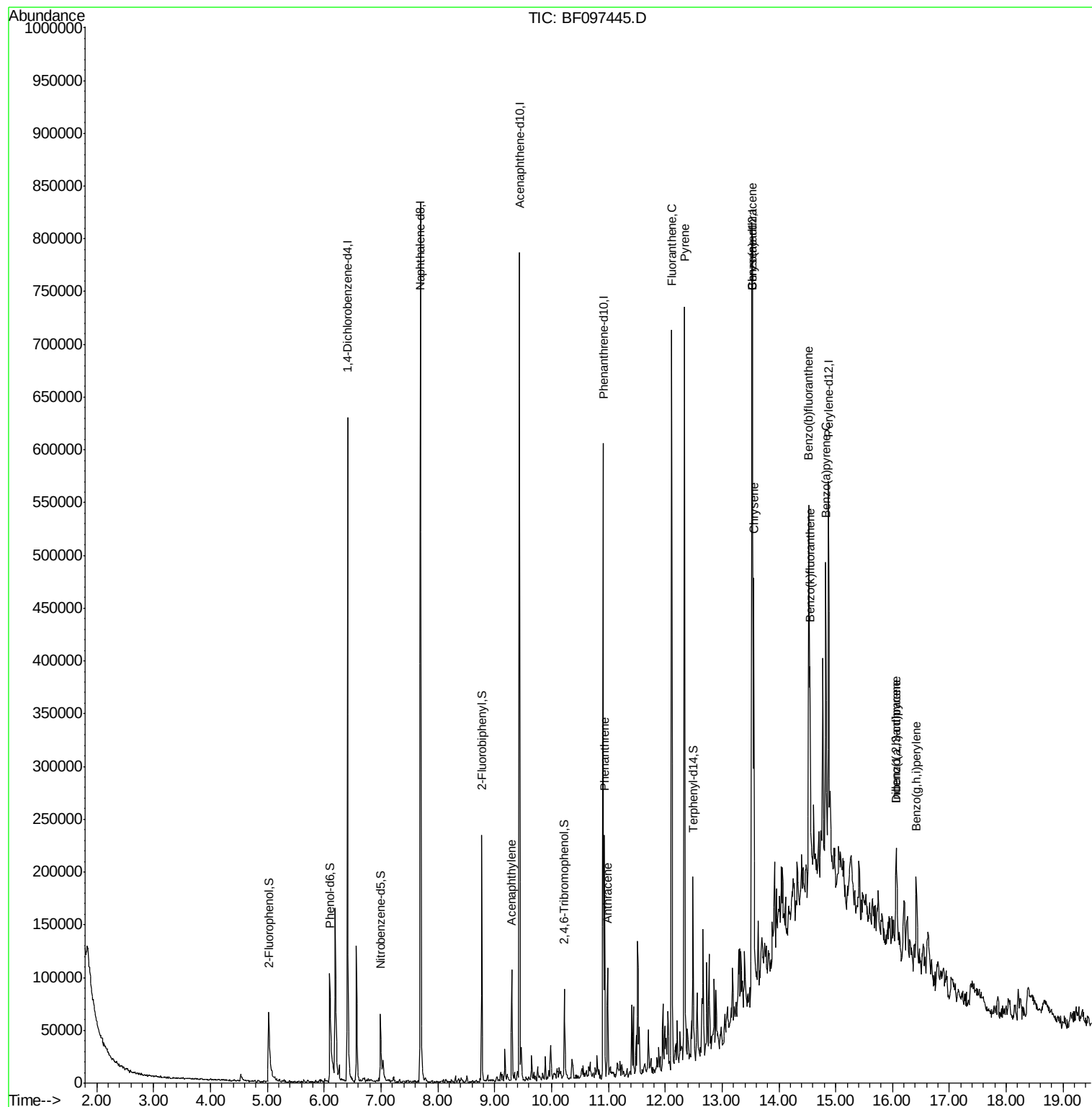
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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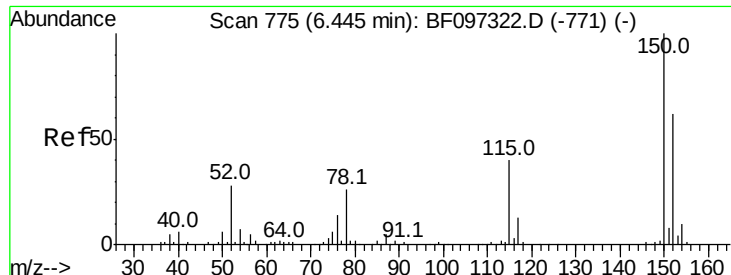
Instrument :
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SU-03-080417

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#1

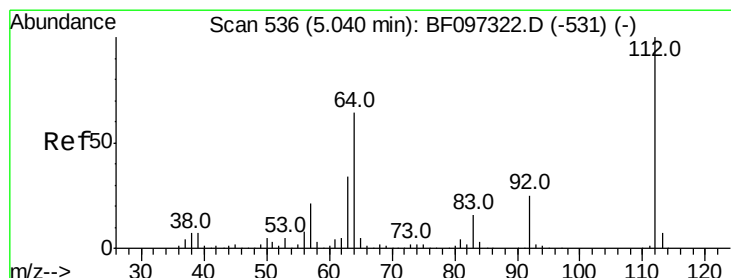
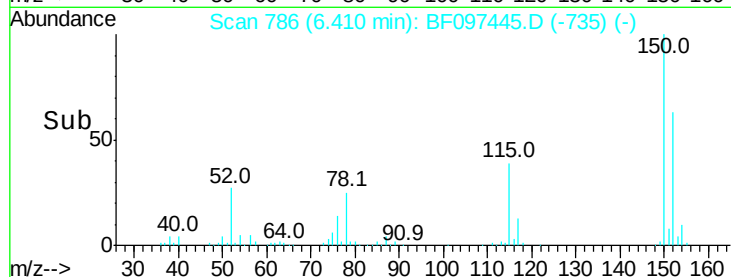
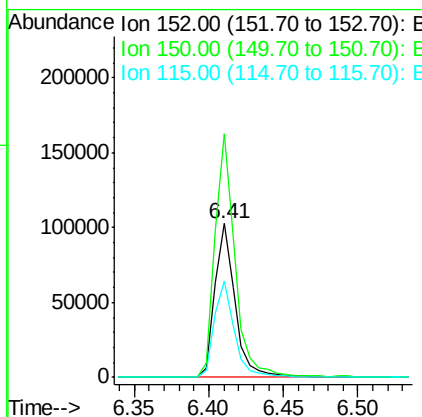
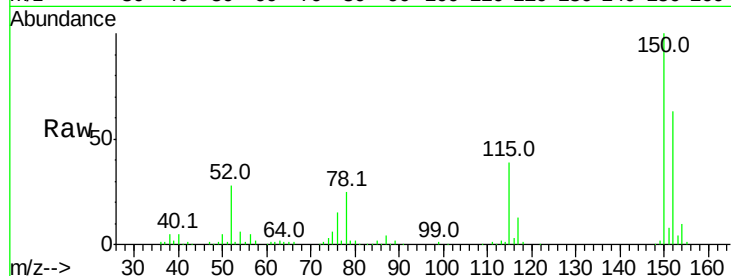
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.2	189.2
115	62.4	52.2	78.2

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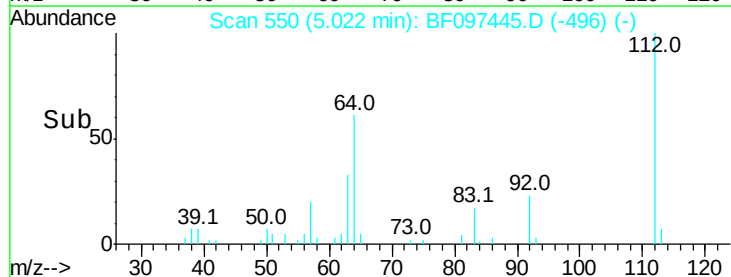
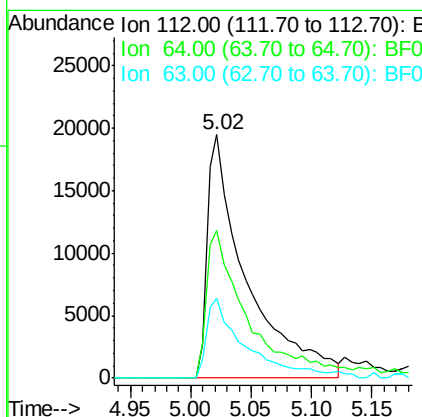
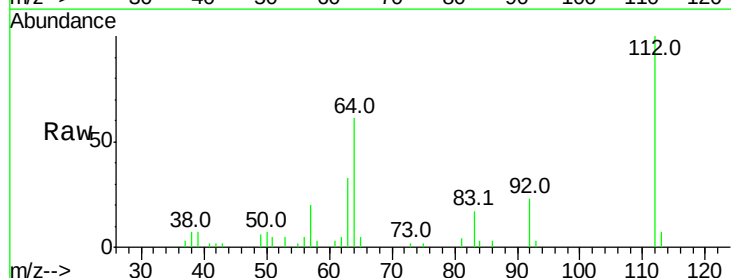
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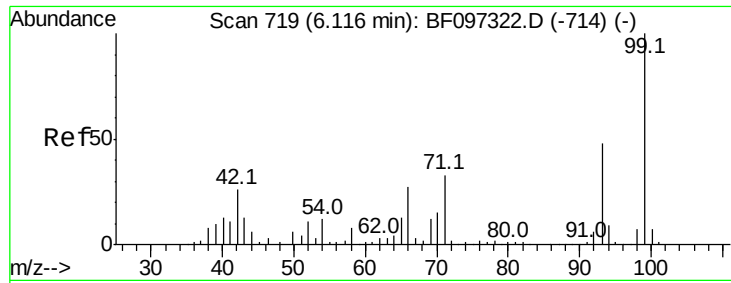


#5

2-Fluorophenol
Concen: 6.764 ng
RT: 5.02 min Scan# 550
Delta R.T. 0.02 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.0	69.0
63	32.9	23.4	35.0





#7

Phenol-d6

Concen: 9.673 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097445.D

Acq: 7 Aug 2017 22:45

Instrument :

BNA_F

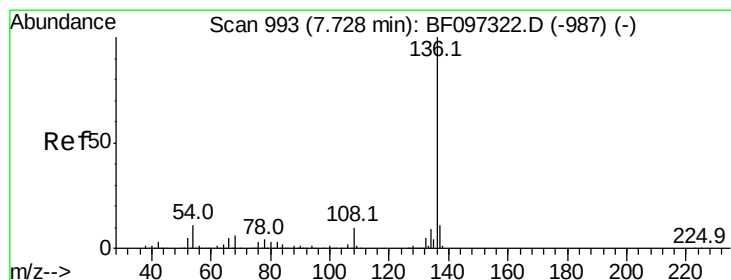
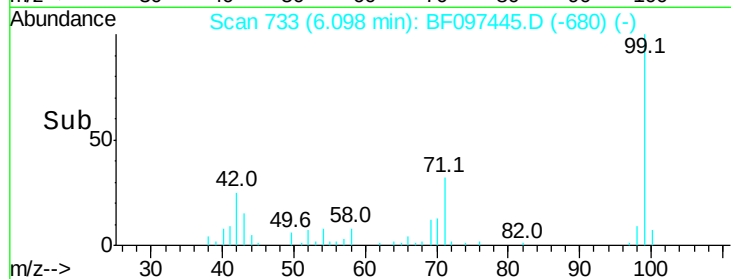
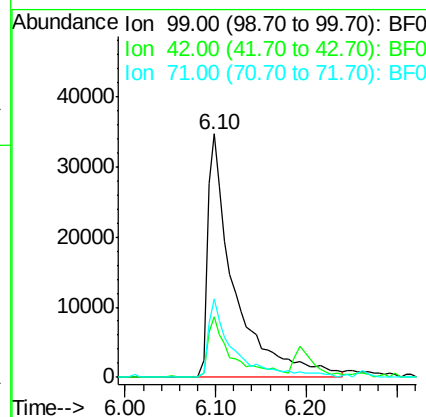
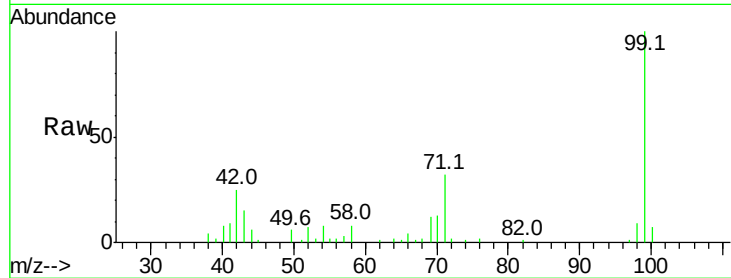
ClientSampleId :

SU-03-080417

Tot Ion:	99	Resp:	71274
Ion	Ratio	Lower	Upper
99	100		
42	24.9	13.5	20.3#
71	32.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

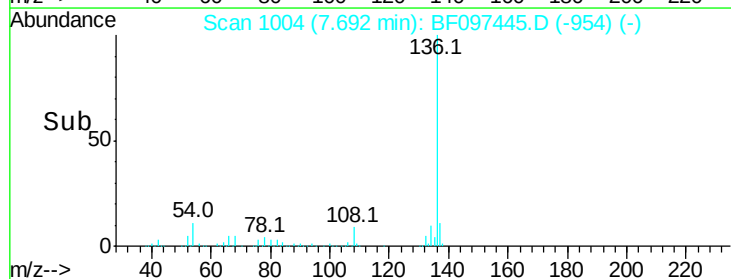
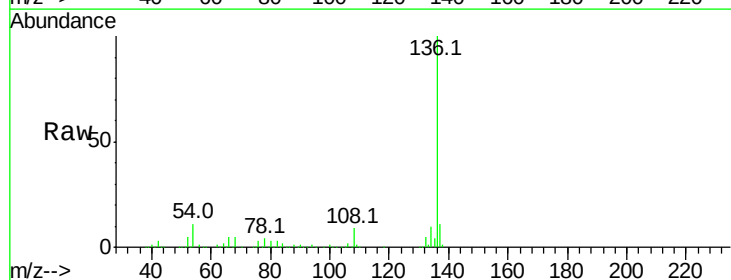
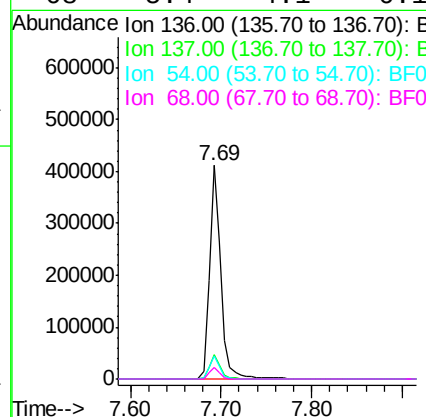
RT: 7.69 min Scan# 1004

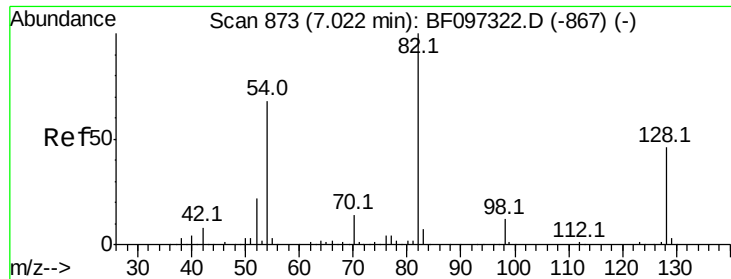
Delta R.T. -0.01 min

Lab File: BF097445.D

Acq: 7 Aug 2017 22:45

Tgt Ion:	136	Resp:	363154
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.8	4.9	7.3#
68	5.4	4.1	6.1





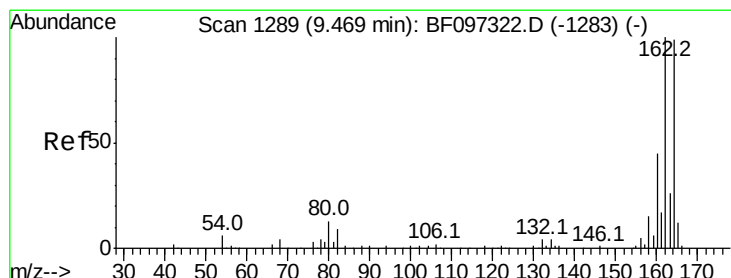
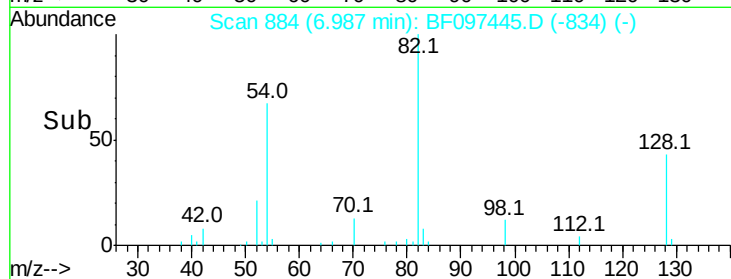
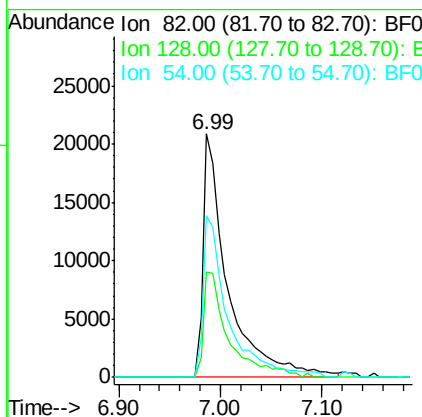
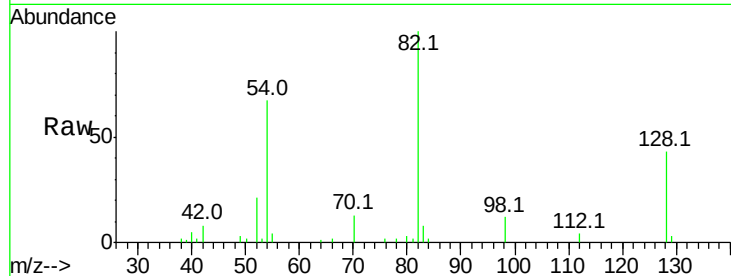
#23
Nitrobenzene-d5
Concen: 5.693 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	66.6	42.2	63.2

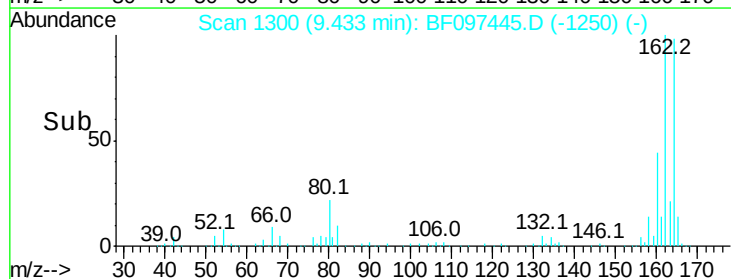
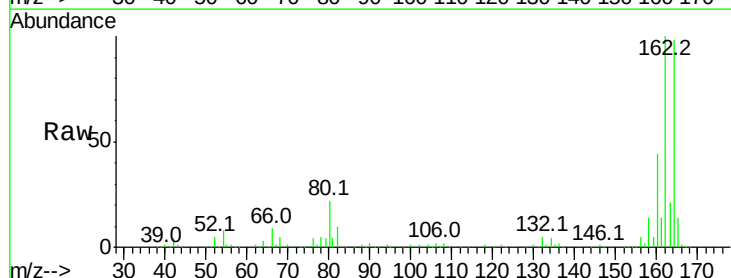
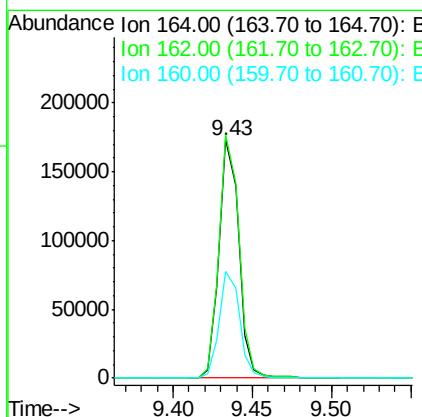
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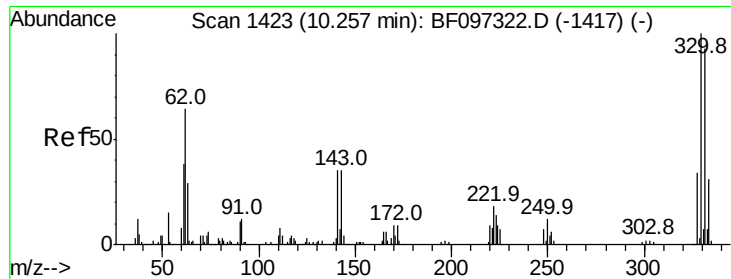
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	44.7	36.2	54.2





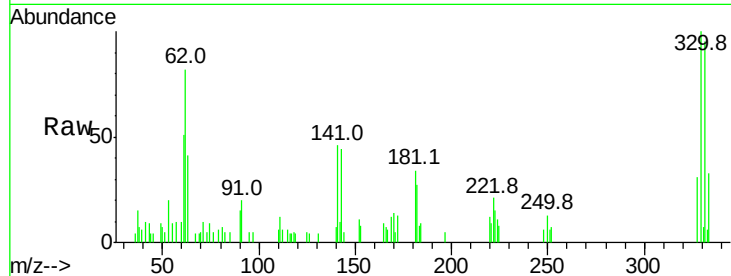
#41
 2,4,6-Tribromophenol
 Concen: 7.112 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097445.D
 Acq: 7 Aug 2017 22:45

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-080417

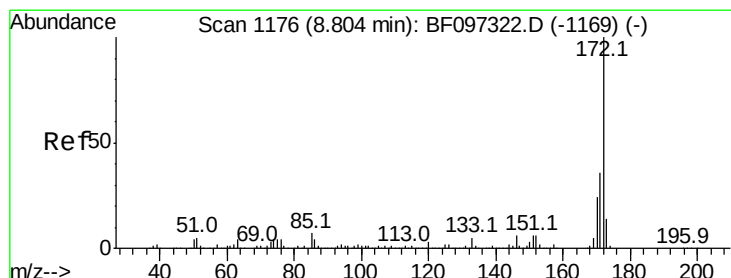
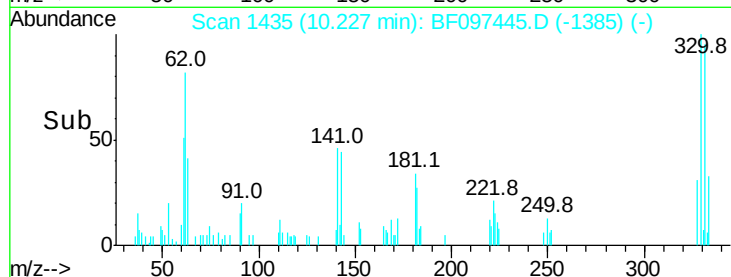
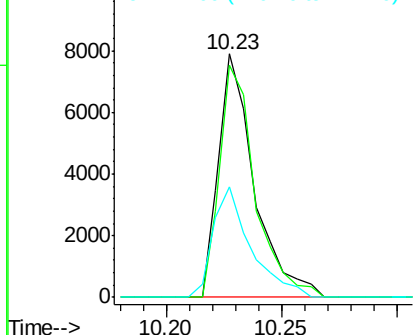
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	48.1	31.4	47.2

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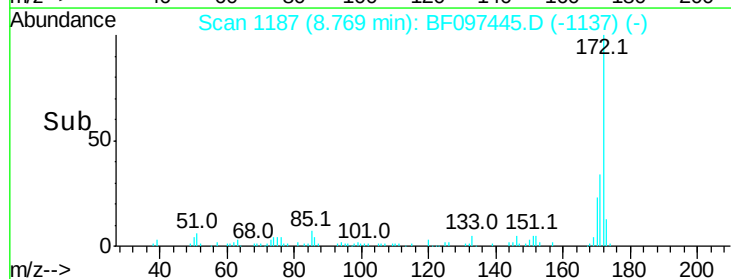
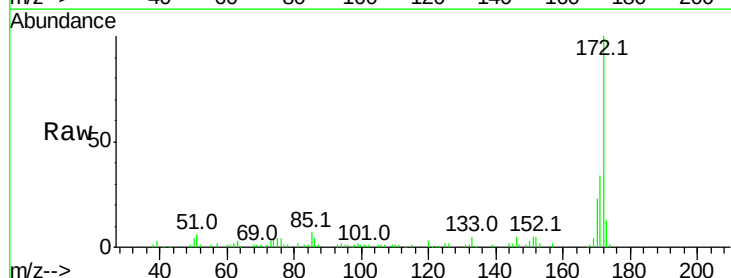
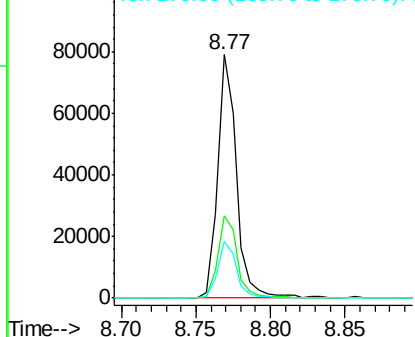
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

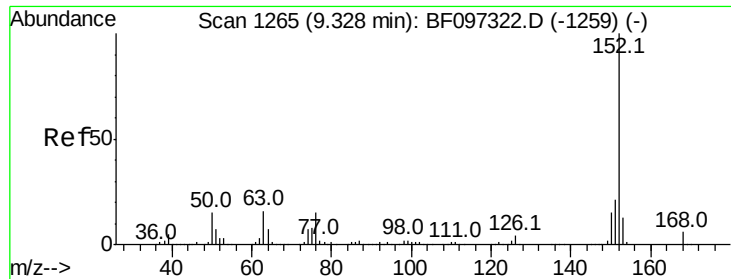


#44
 2-Fluorobiphenyl
 Concen: 7.828 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097445.D
 Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.6	44.4
170	23.2	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





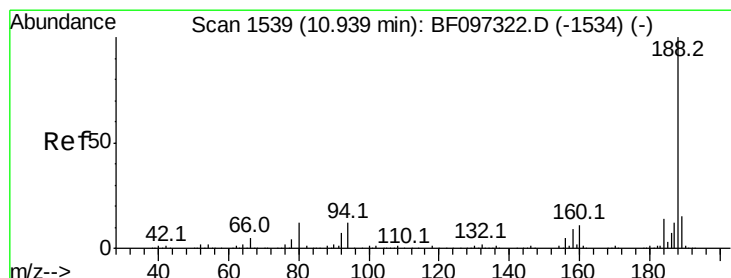
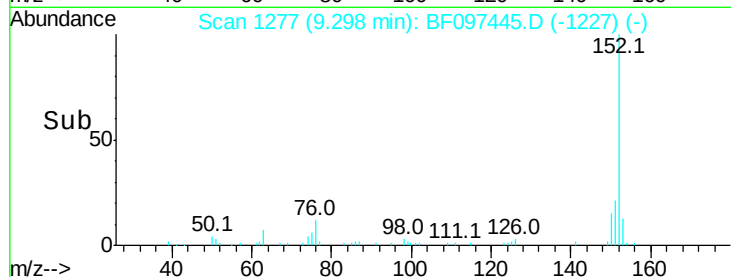
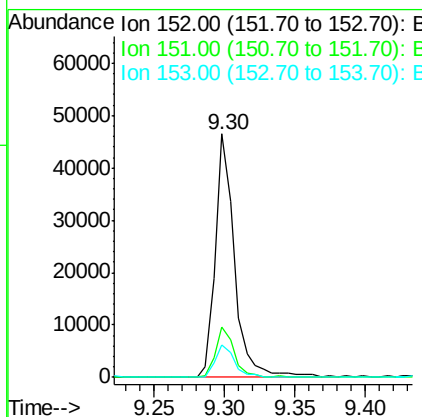
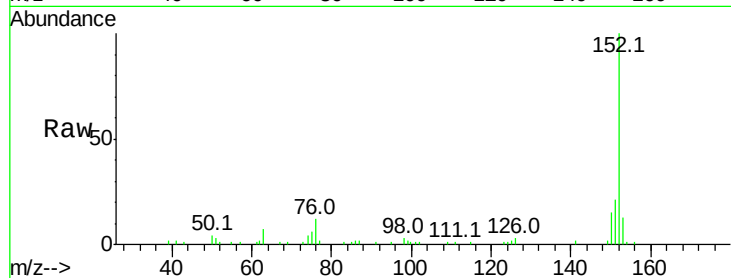
#48
 Acenaphthylene
 Concen: 3.034 ng
 RT: 9.30 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF097445.D
 Acq: 7 Aug 2017 22:45

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-080417

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.5	10.8	16.2

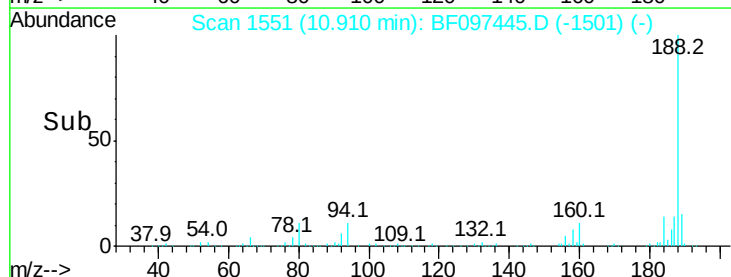
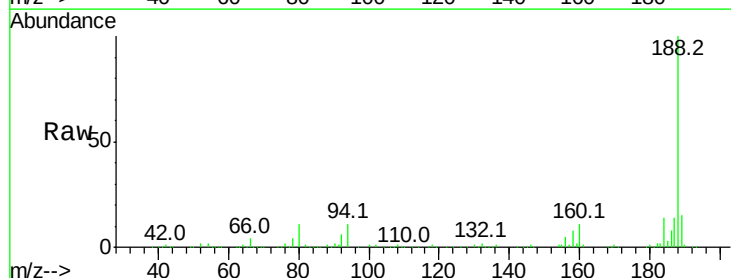
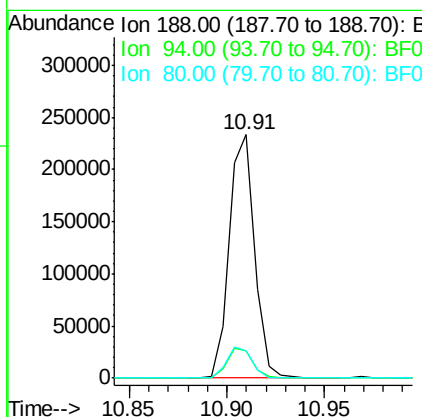
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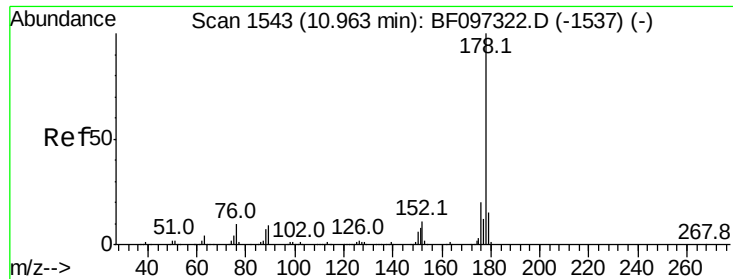
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097445.D
 Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.2	10.2	15.2





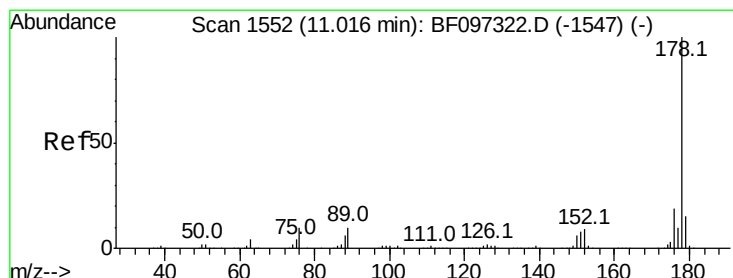
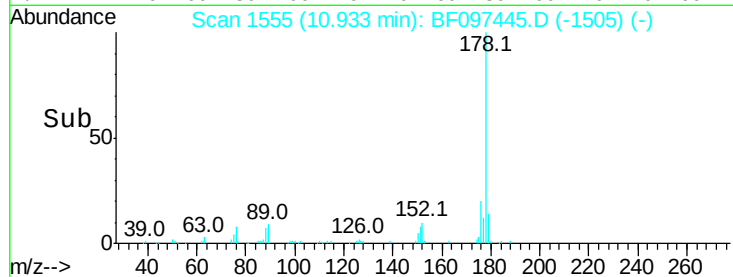
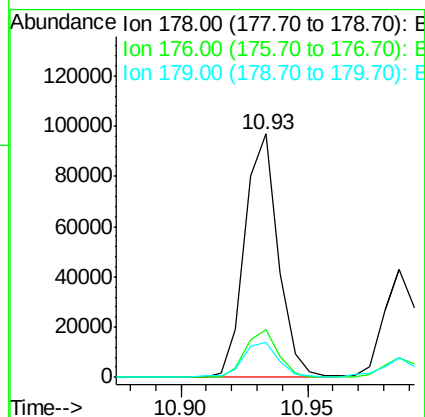
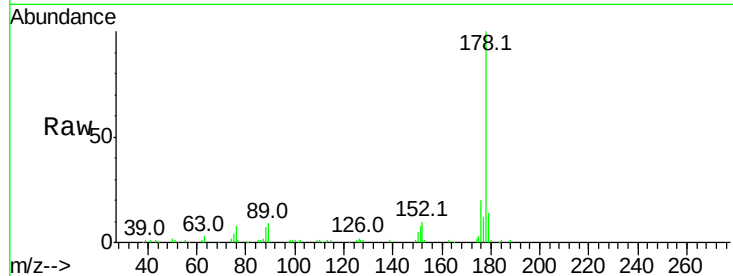
#70
Phenanthrene
Concen: 7.912 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	14.3	12.6	19.0

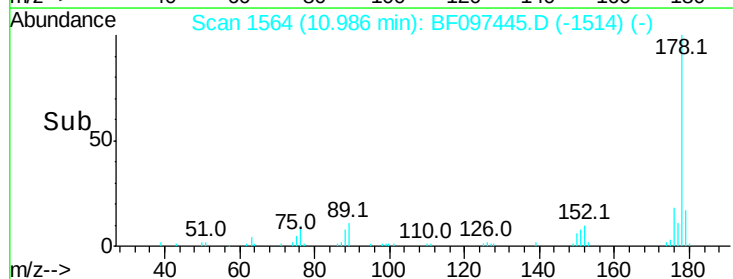
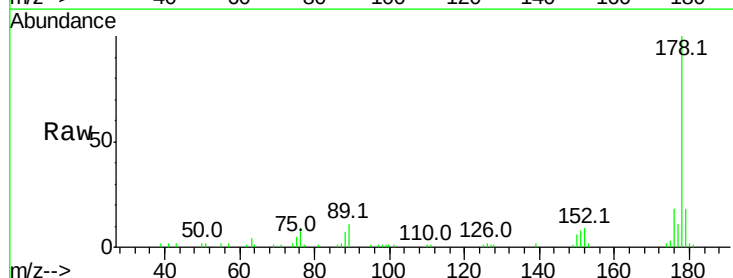
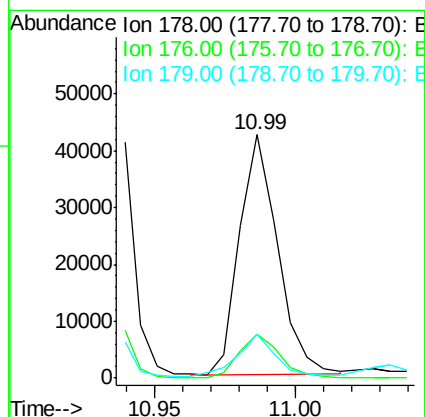
Manual Integrations
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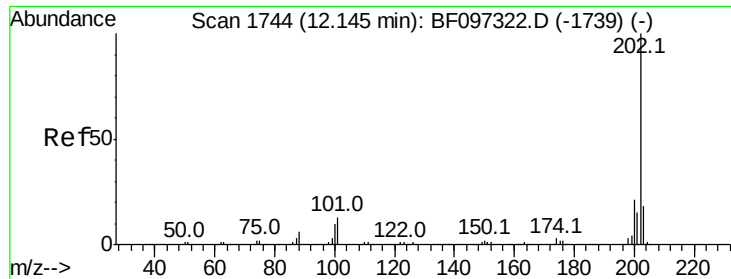
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#71
Anthracene
Concen: 3.436 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	17.8	12.7	19.1





#74

Fluoranthene

Concen: 25.104 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097445.D

Acq: 7 Aug 2017 22:45

Instrument :

BNA_F

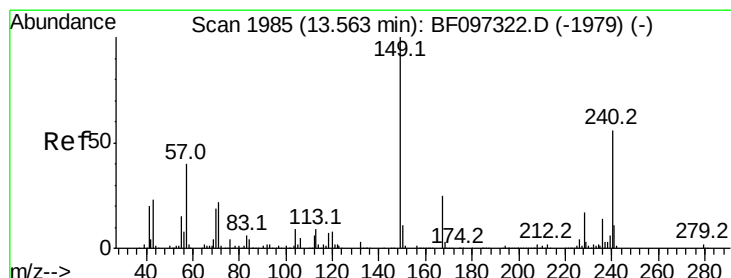
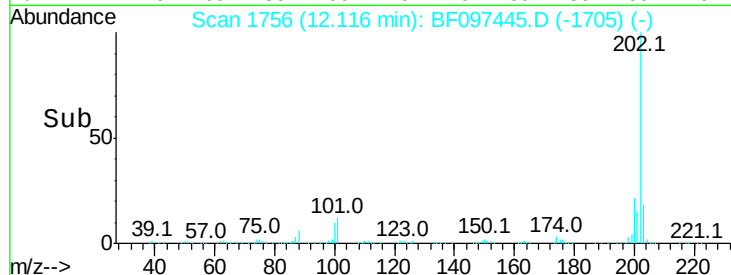
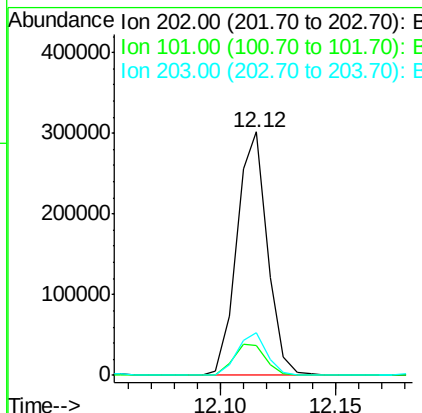
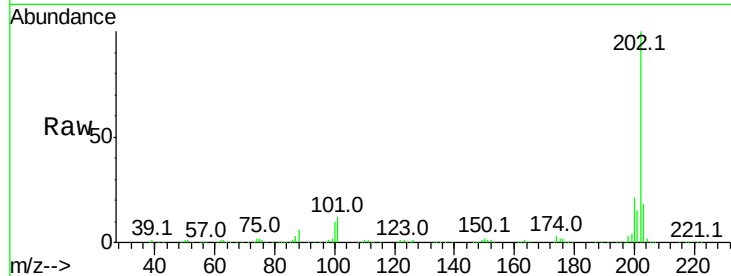
ClientSampleId :

SU-03-080417

Tot Ion	Ratio	Resp	Lower	Upper
202	100	276816		
101	12.5	0.0	33.2	
203	17.6	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

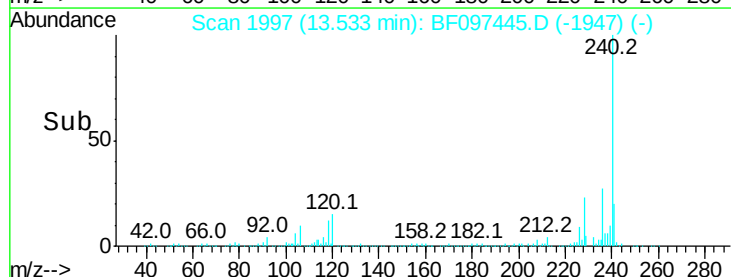
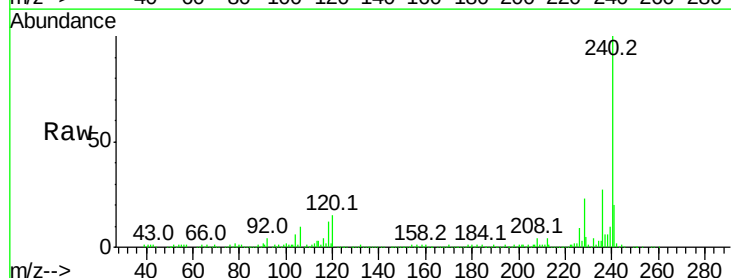
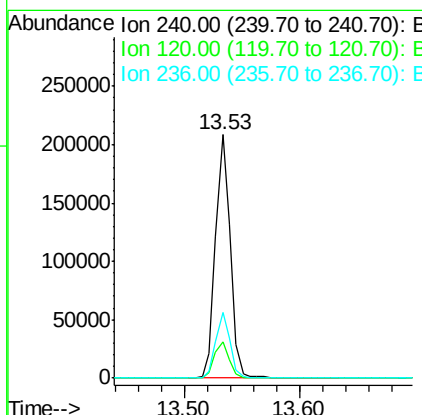
RT: 13.53 min Scan# 1997

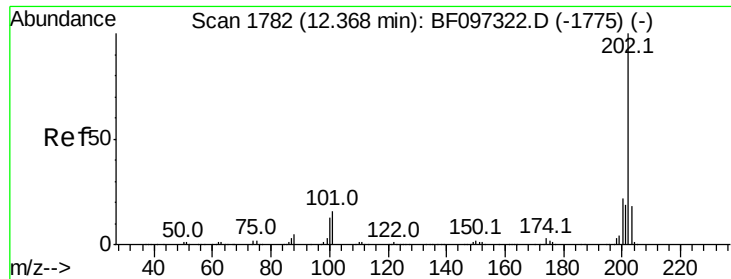
Delta R.T. -0.01 min

Lab File: BF097445.D

Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	185441		
120	15.0	5.8	8.8#	
236	27.2	20.5	30.7	





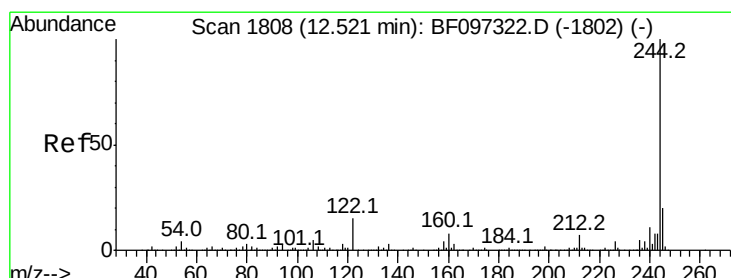
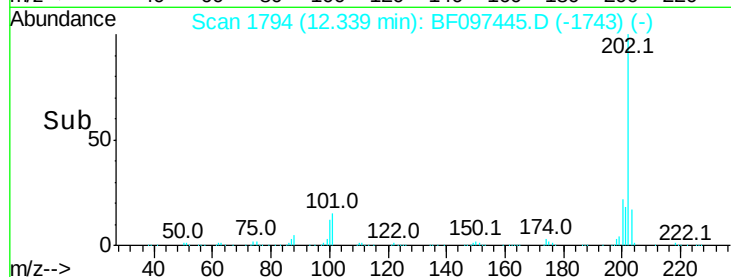
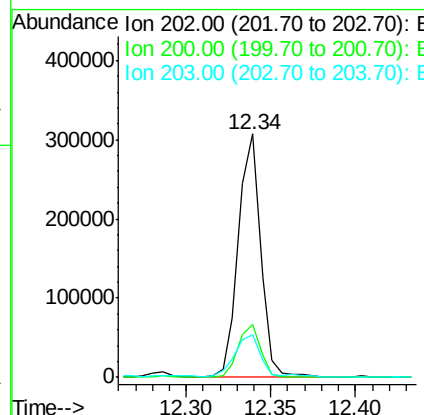
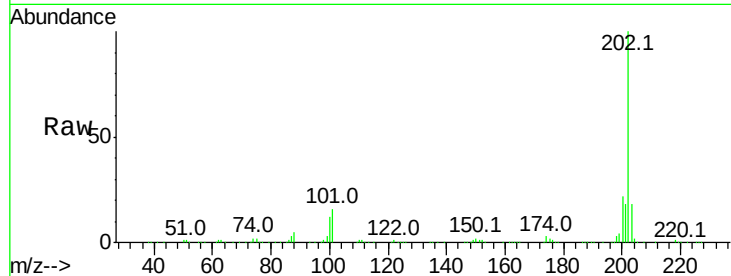
#77
Pvrene
Concen: 18.392 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion	Ratio	Resp	Lower	Upper
202	100	279214		
200	21.7		17.6	26.4
203	17.6		14.4	21.6

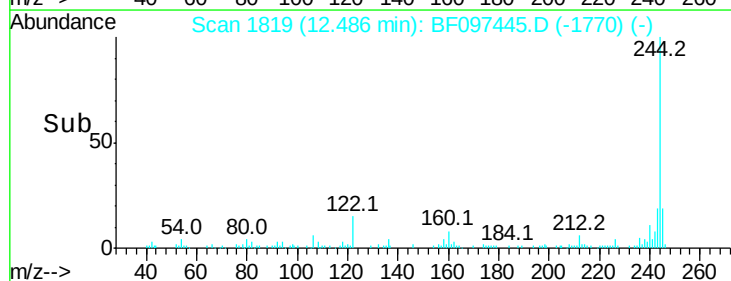
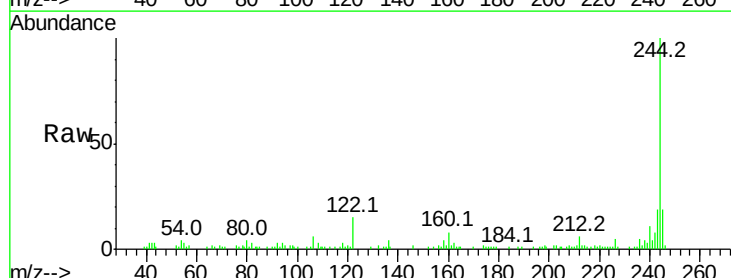
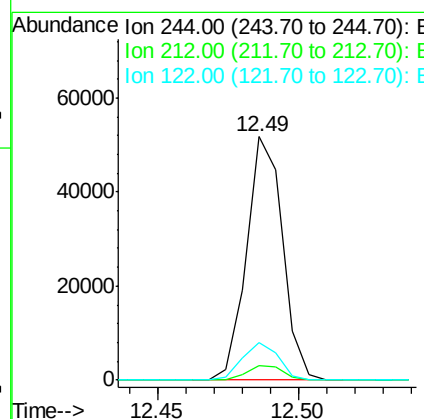
Manual Integrations
APPROVED

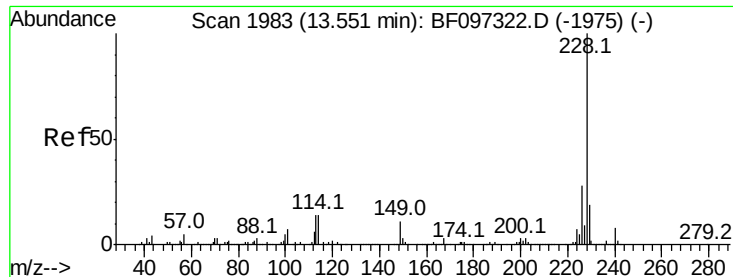
Sohil
8/9/2017 7:56:20 PM



#78
Terphenyl-d14
Concen: 5.031 ng
RT: 12.49 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	45759		
212	6.1		6.0	9.0
122	15.5		10.3	15.5#





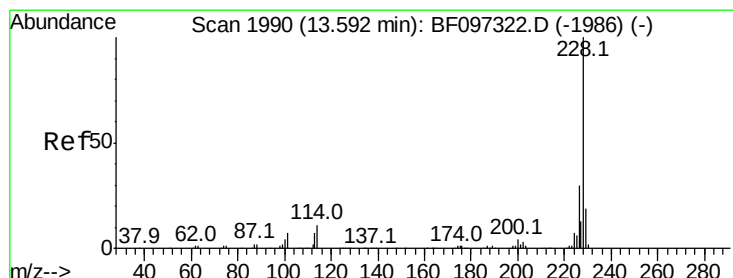
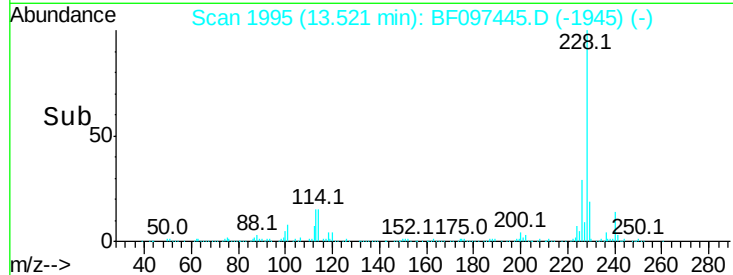
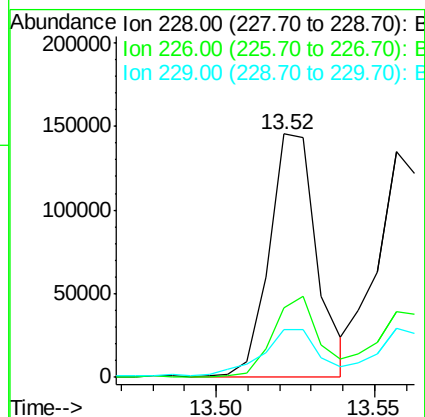
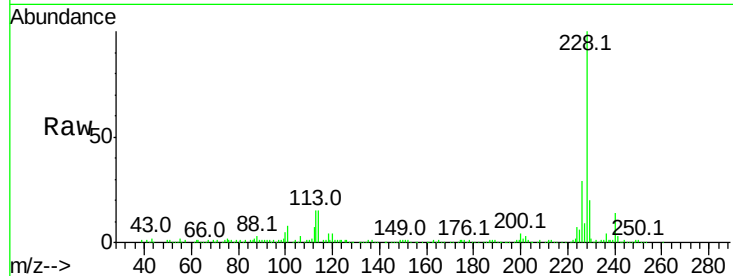
#80
Benzo(a)anthracene
Concen: 12.611 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion:228	Resp:	151322
Ion Ratio	Lower	Upper
228 100		
226 28.6	22.6	33.8
229 19.8	16.3	24.5

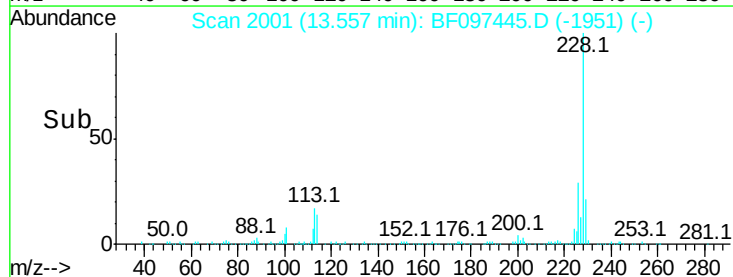
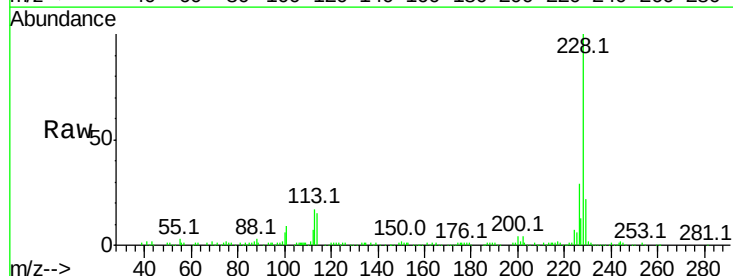
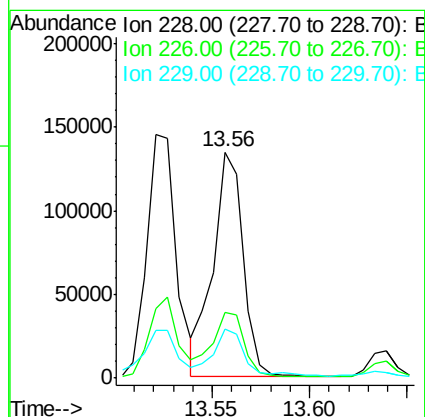
Manual Integrations
APPROVED

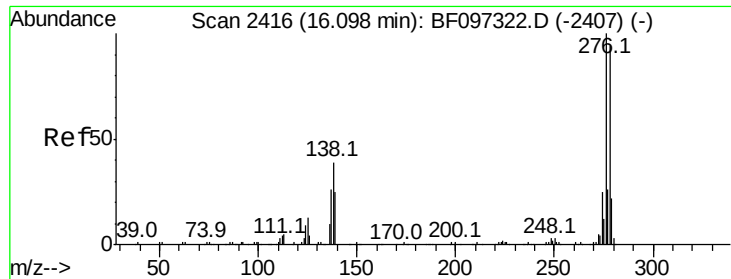
Sohil
8/9/2017 7:56:20 PM



#82
Chrysene
Concen: 12.301 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion:228	Resp:	144126
Ion Ratio	Lower	Upper
228 100		
226 29.2	24.9	37.3
229 21.5	15.8	23.6





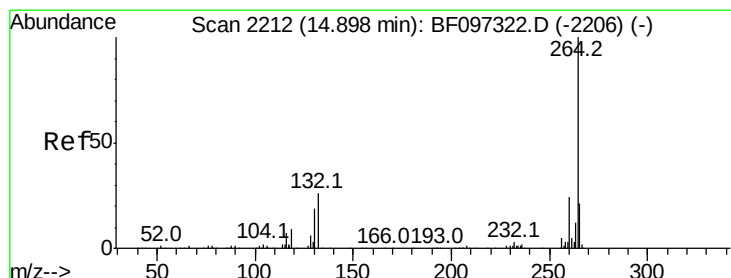
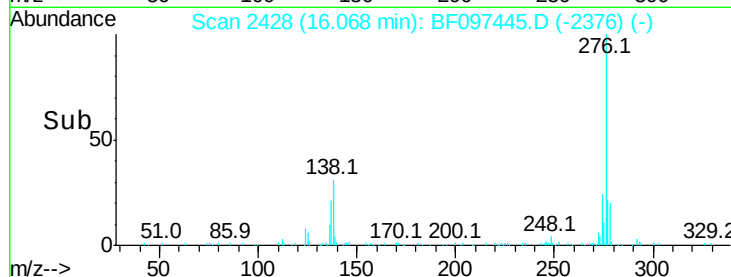
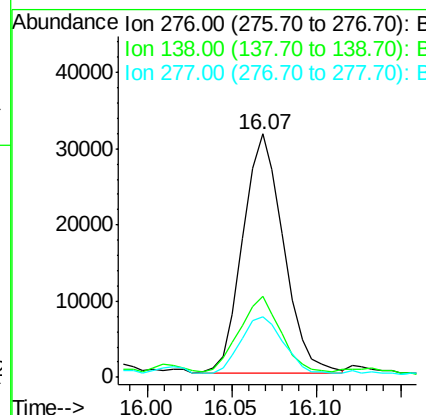
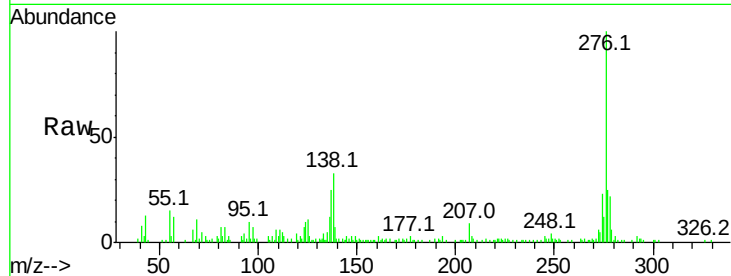
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.240 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.4	27.8	41.6
277	25.3	20.2	30.4

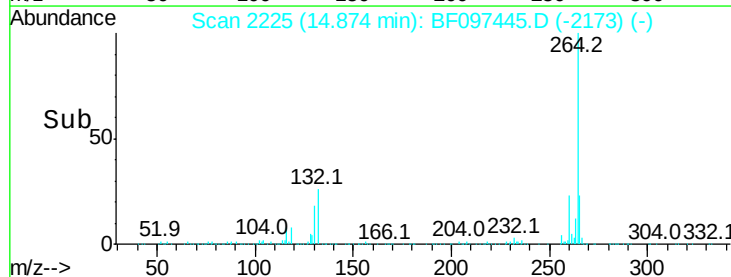
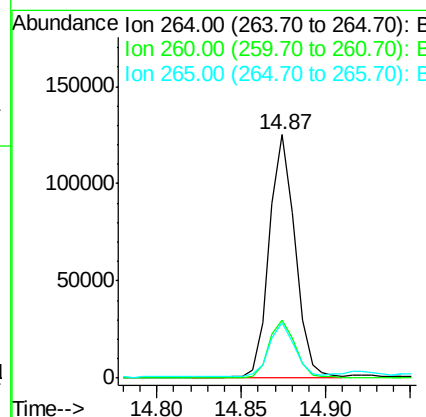
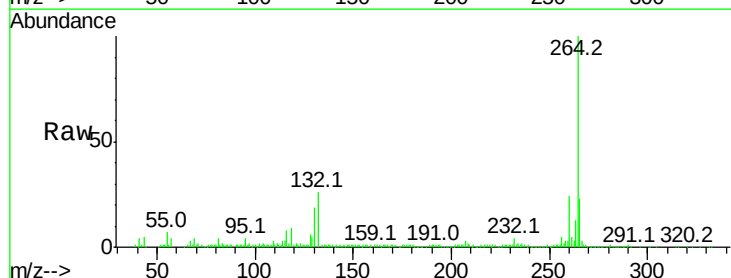
Manual Integrations
APPROVED

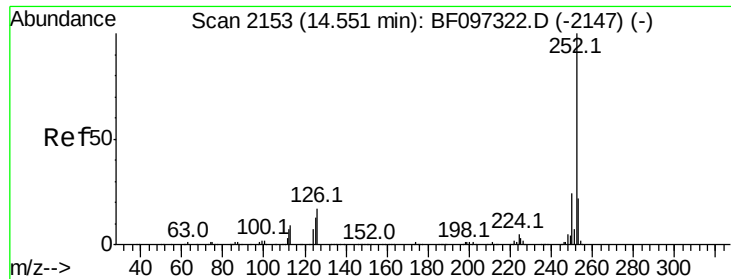
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	23.0	17.2	25.8





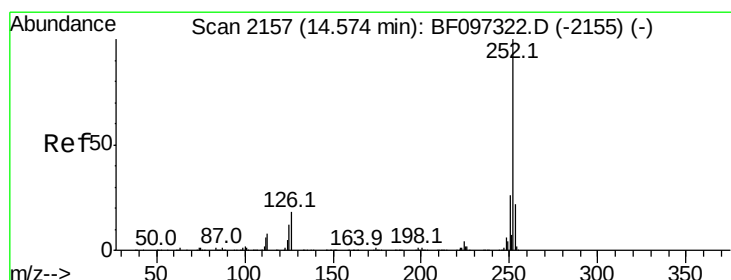
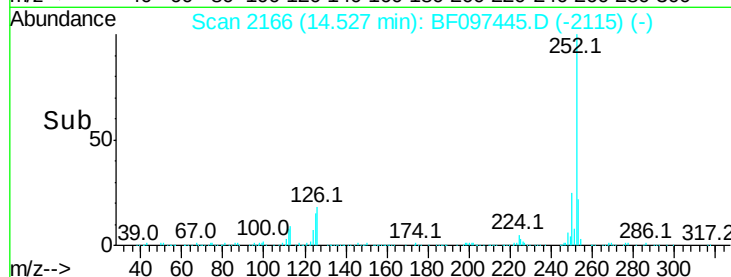
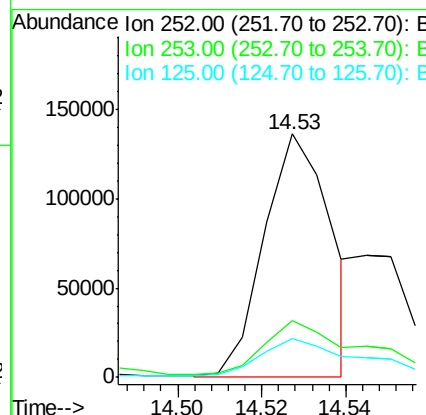
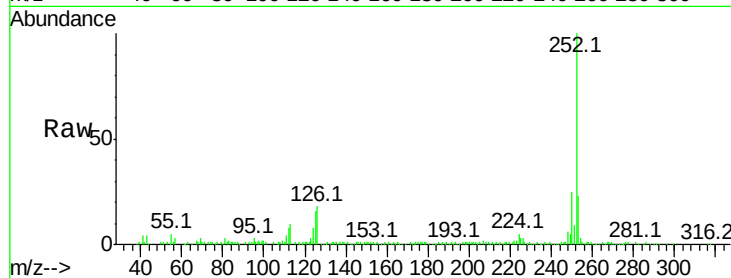
#87
Benzo(b)fluoranthene
Concen: 18.851 ng m
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.0	9.8	14.8

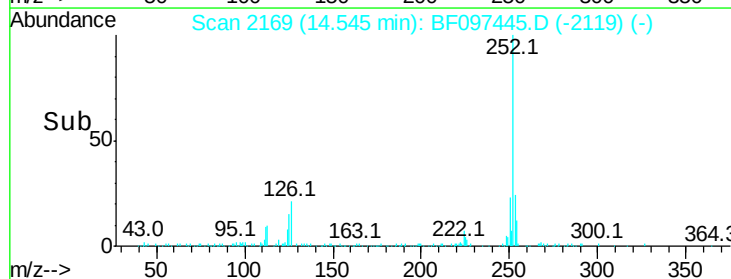
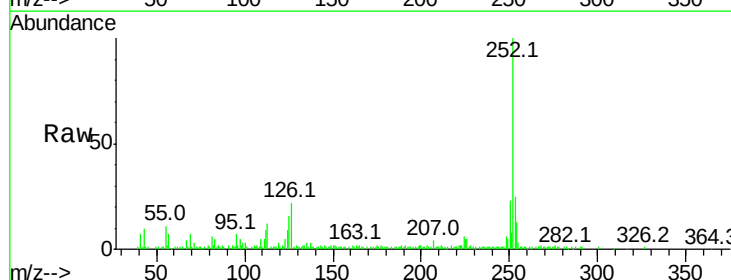
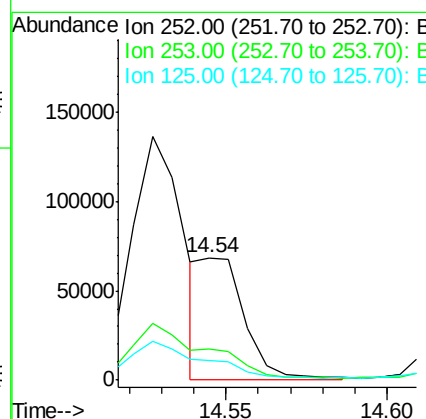
Manual Integrations
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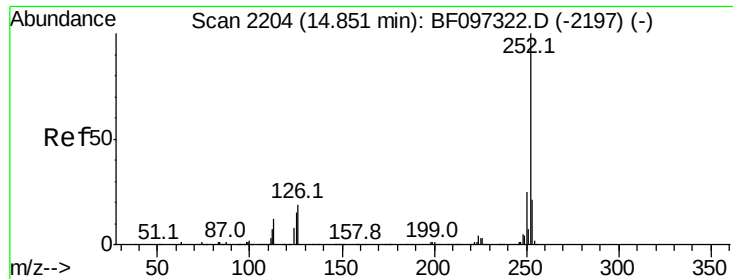
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.364 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.4	27.6
125	16.0	13.1	19.7





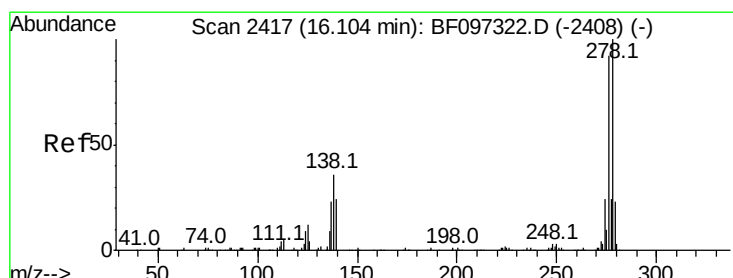
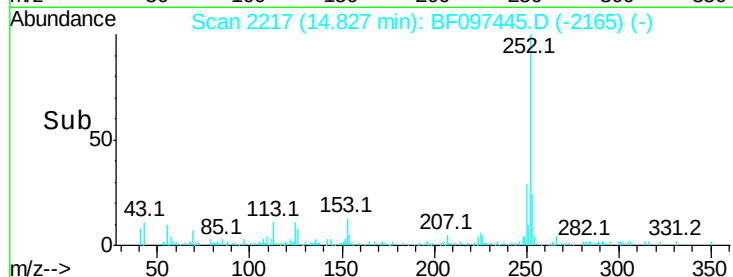
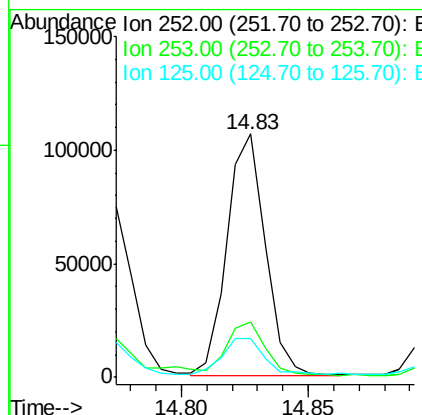
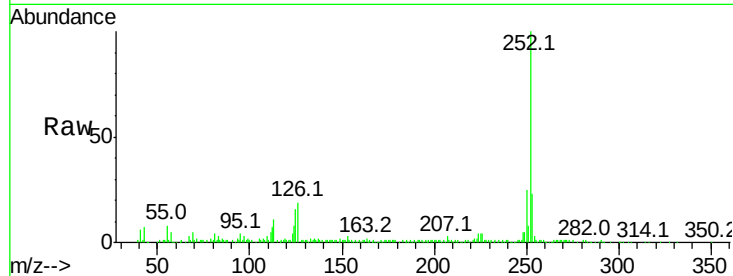
#89
Benzo(a)pyrene
Concen: 15.293 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Instrument :
BNA_F
ClientSampleId :
SU-03-080417

Tot Ion:	252	Resp:	112048
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	15.8	11.0	16.4

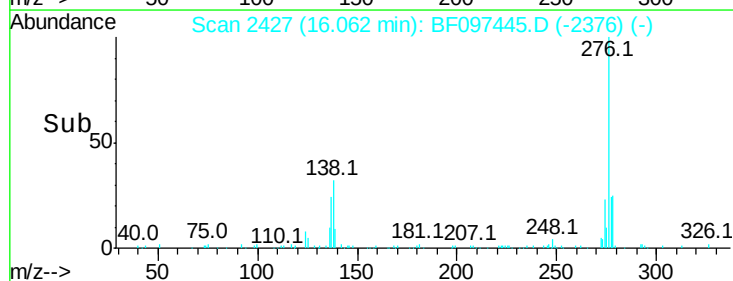
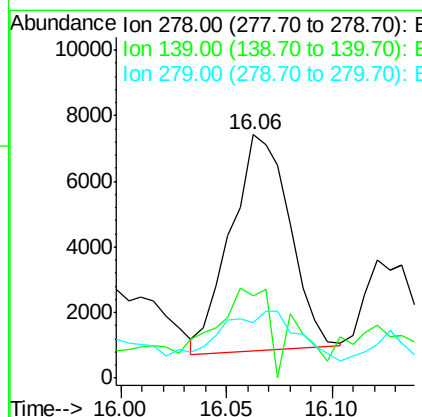
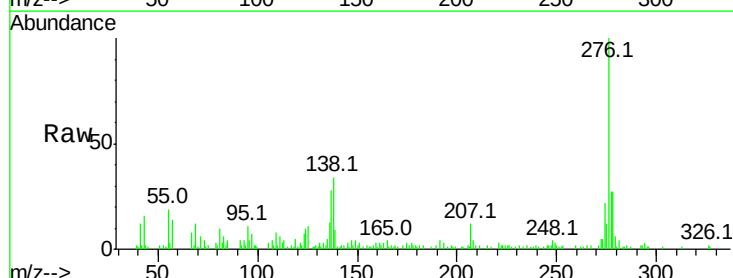
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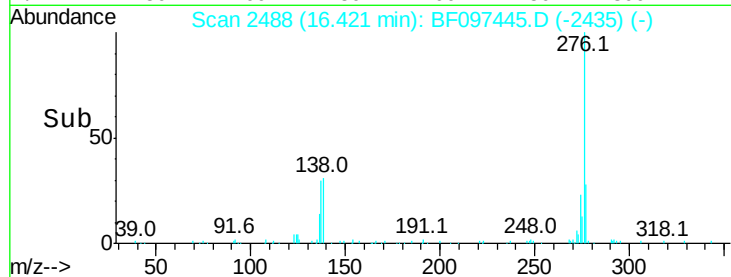
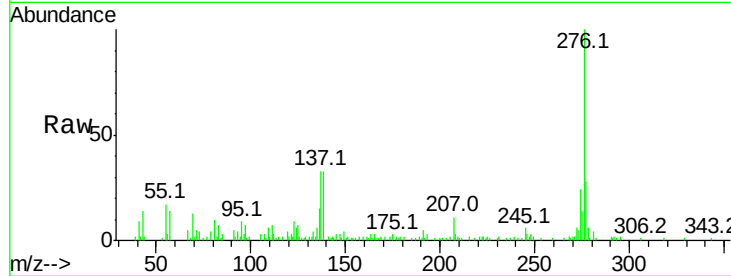
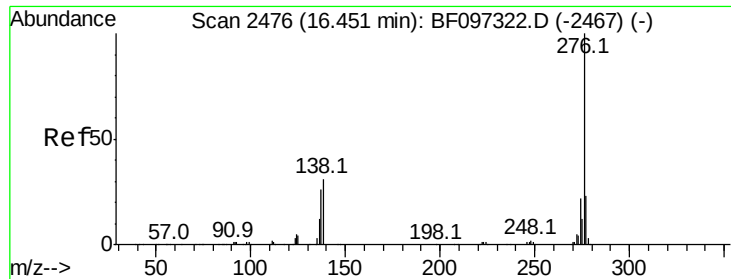
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#90
Dibenzo(a,h)anthracene
Concen: 2.113 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097445.D
Acq: 7 Aug 2017 22:45

Tgt Ion:	278	Resp:	12695
Ion Ratio	Lower	Upper	
278	100		
139	33.7	16.6	24.8#
279	23.0	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 8.214 ng

RT: 16.42 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF097445.D

Acq: 7 Aug 2017 22:45

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.6	28.0#
138	32.9	25.4	38.0

Instrument :

BNA_F

ClientSampleId :

SU-03-080417

Manual Integrations
APPROVED

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