

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099436.D
 Acq On : 13 Oct 2017 12:02
 Operator : SJ/JU
 Sample : I5729-13DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7E-(1-2)DL

Manual Integrations
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Sohil
 10/15/2017 12:26:10 PM

Quant Time: Oct 13 14:58:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	99836	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	375925	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	134966	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	202362	20.00	ng	0.00
75) Chrysene-d12	14.02	240	183985	20.00	ng	0.00
86) Perylene-d12	15.49	264	142806	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	186138	29.68	ng	0.00
7) Phenol-d6	6.48	99	218201	28.20	ng	0.00
23) Nitrobenzene-d5	7.41	82	122000	20.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	24915	22.56	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	212129	26.24	ng	0.00
78) Terphenyl-d14	12.95	244	145796	18.02	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.60	163	27507	2.700	ng	96
70) Phenanthrene	11.40	178	216111	19.951	ng	99
71) Anthracene	11.45	178	35861	3.236	ng	100
72) Carbazole	11.61	167	22248	2.050	ng	99
74) Fluoranthene	12.59	202	369321	33.671	ng	97
77) Pyrene	12.82	202	321304	22.902	ng	98
80) Benzo(a)anthracene	14.00	228	138381	12.421	ng	99
82) Chrysene	14.04	228	131766	12.423	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	45585	5.373	ng	98
87) Benzo(b)fluoranthene	15.06	252	135157m	15.393	ng	
88) Benzo(k)fluoranthene	15.08	252	46606m	5.374	ng	
89) Benzo(a)pyrene	15.43	252	81781	10.147	ng	97
91) Benzo(a,h,i)perylene	17.42	276	42829	6.717	ng	93

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

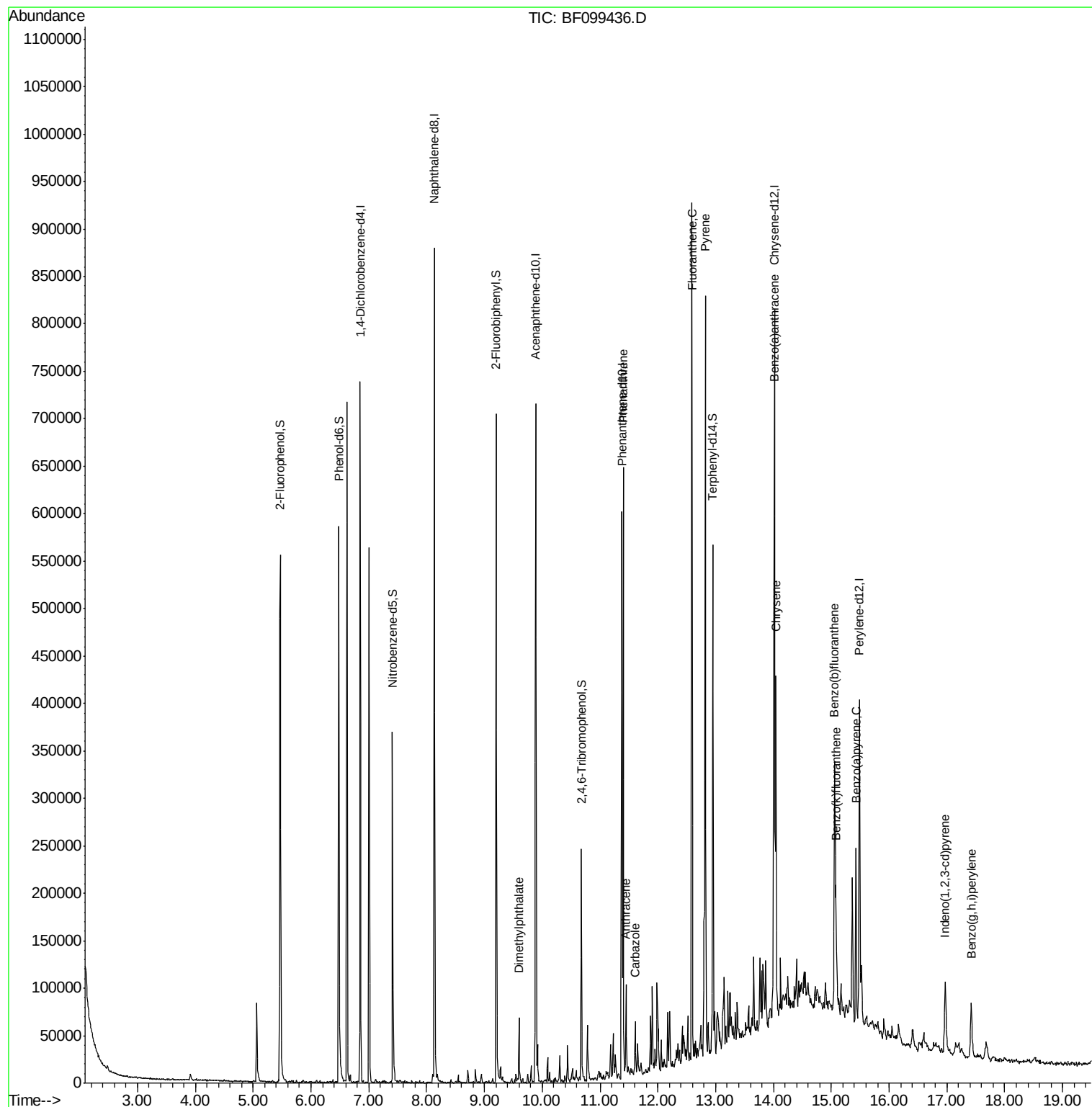
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099436.D
Acq On : 13 Oct 2017 12:02
Operator : SJ/JU
Sample : I5729-13DL 5X
Misc :
ALS Vial : 39 Sample Multiplier: 1

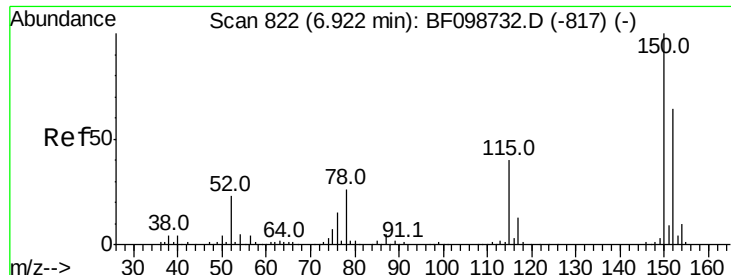
Instrument :
BNA_F
ClientSampleId :
7E-(1-2)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

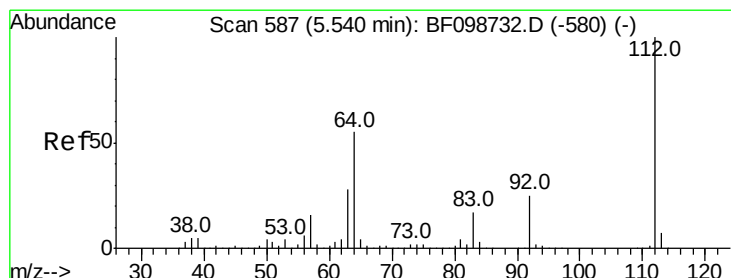
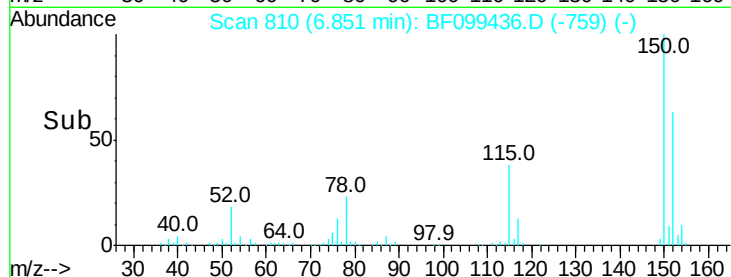
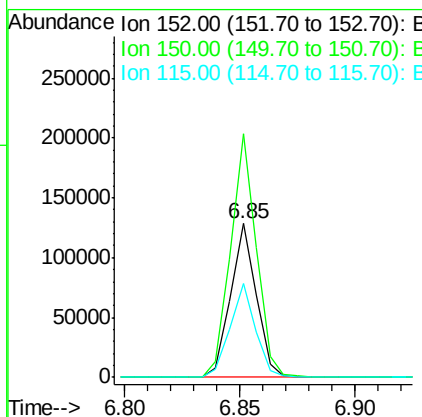
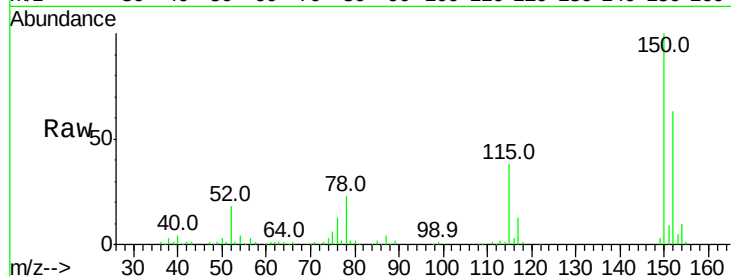
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Instrument :
BNA_F
ClientSampleId :
7E-(1-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	61.0	50.1	75.1

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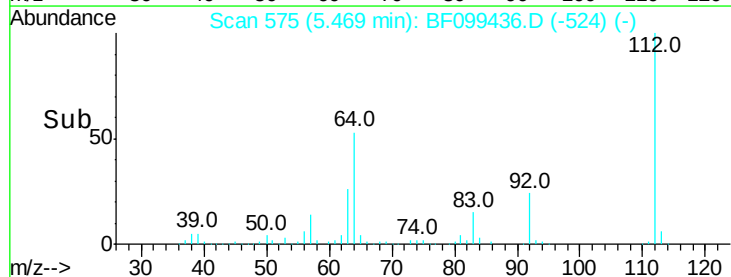
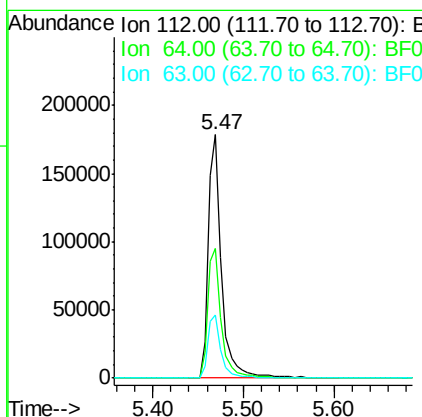
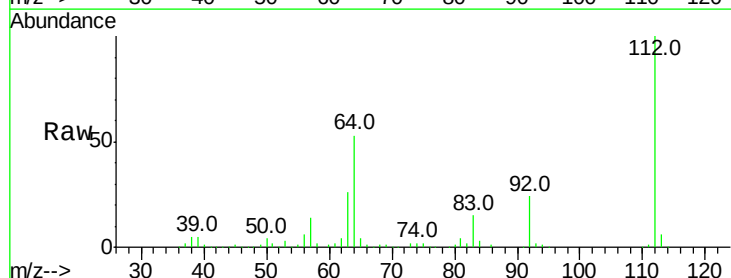
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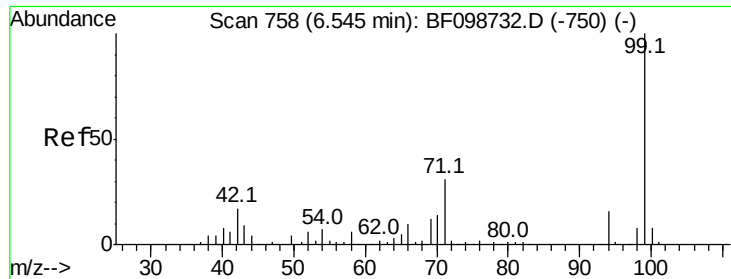


#5

2-Fluorophenol
Concen: 29.680 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 28.204 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Instrument :

BNA_F

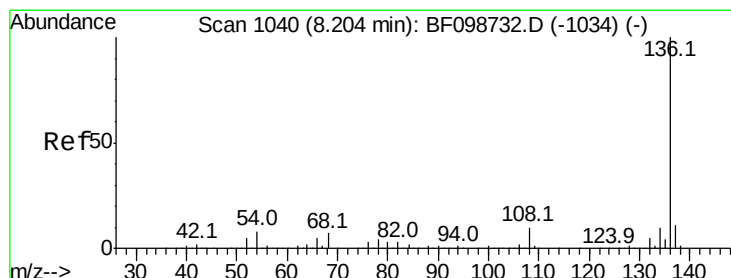
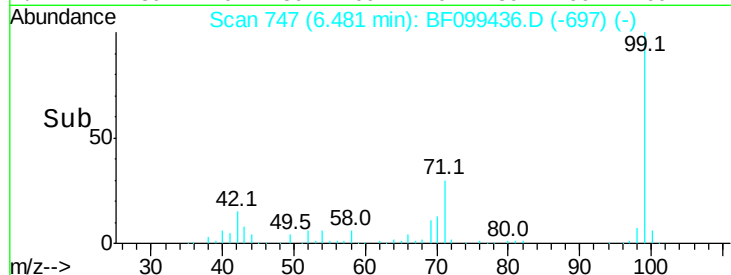
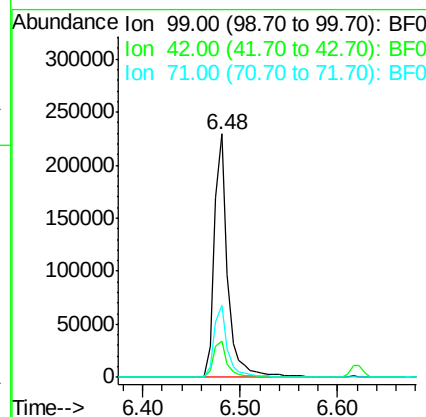
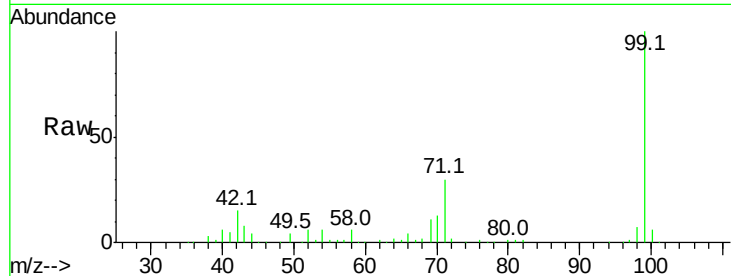
ClientSampleId :

7E-(1-2)DL

Tot Ion:	99	Resp:	218201
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.5	21.7
71	29.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

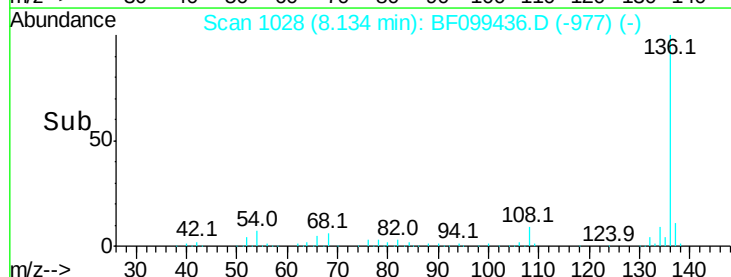
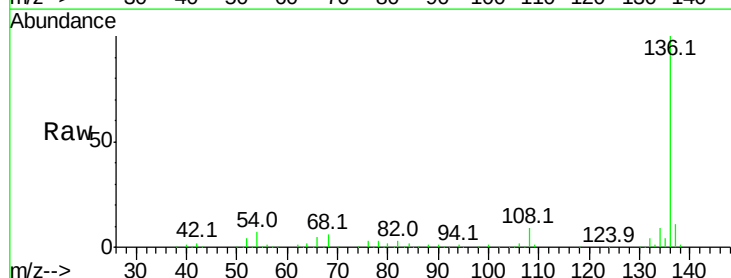
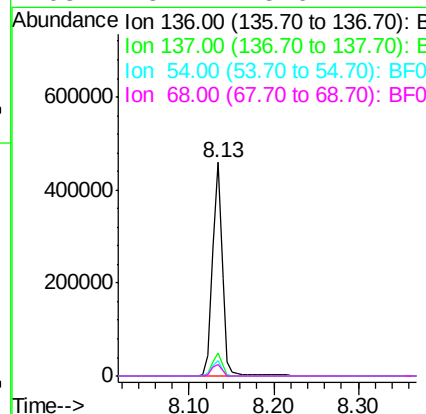
RT: 8.13 min Scan# 1028

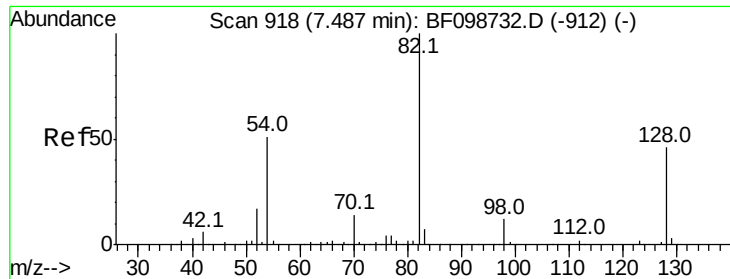
Delta R.T. 0.00 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Tgt Ion:	136	Resp:	375925
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.2	6.6	9.8
68	5.7	5.0	7.4





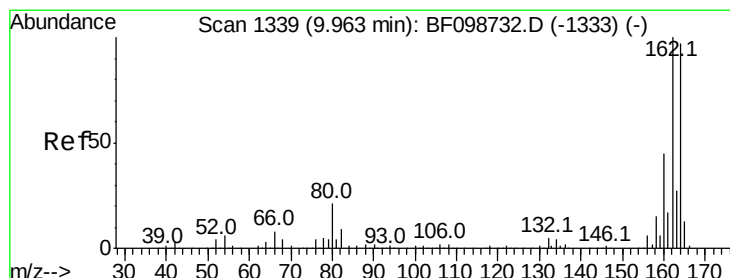
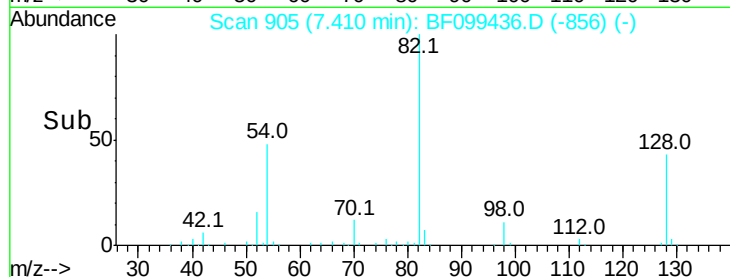
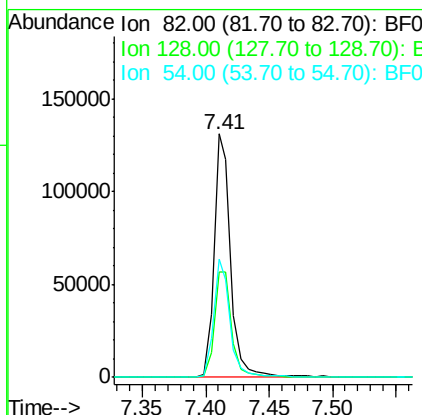
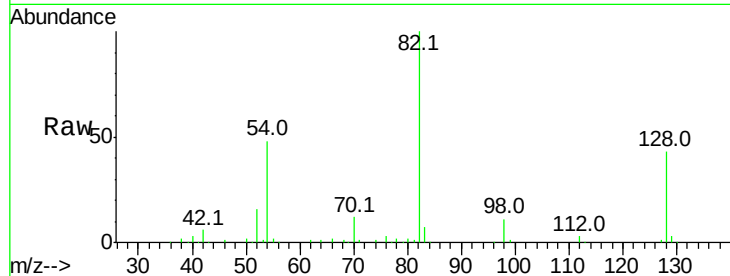
#23
 Nitrobenzene-d5
 Concen: 20.812 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Instrument :
 BNA_F
 ClientSampled :
 7E-(1-2)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	48.3	41.4	62.2

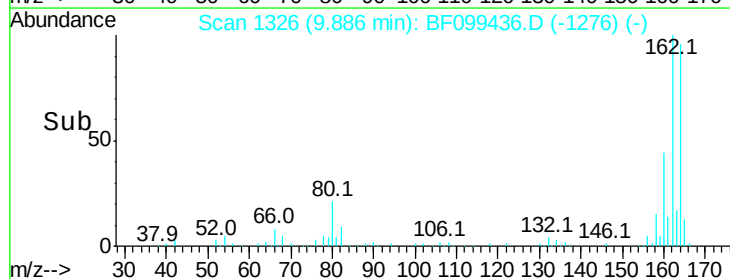
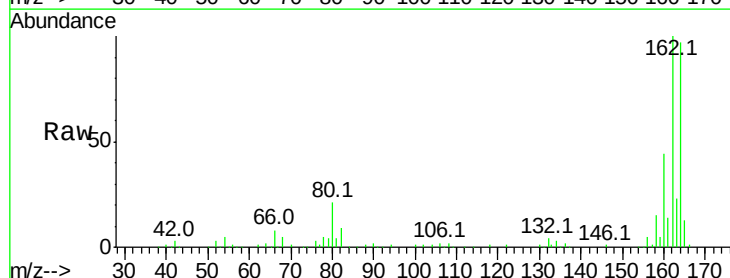
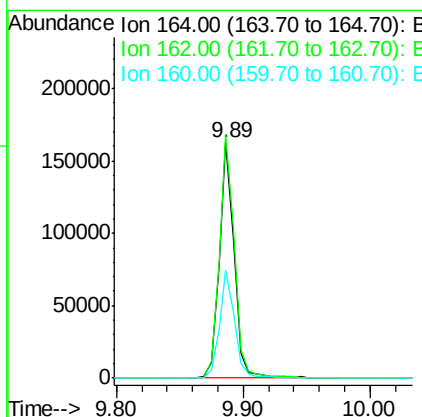
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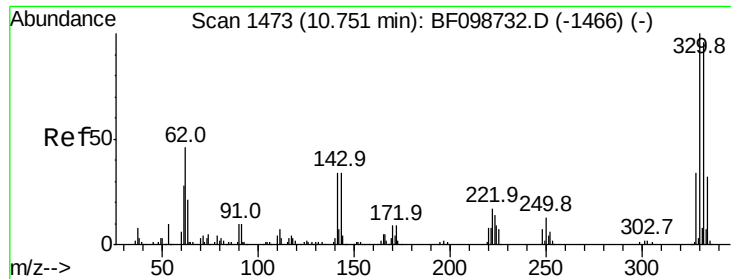
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	46.0	38.3	57.5





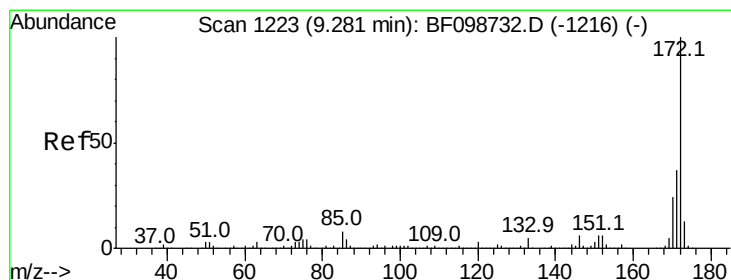
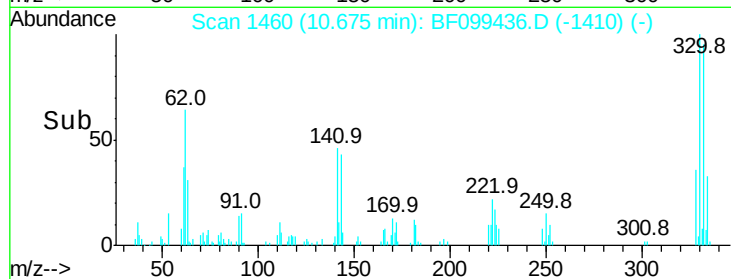
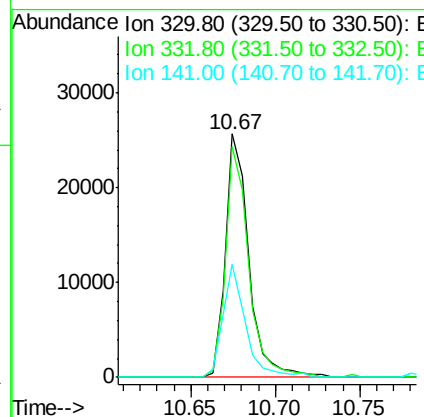
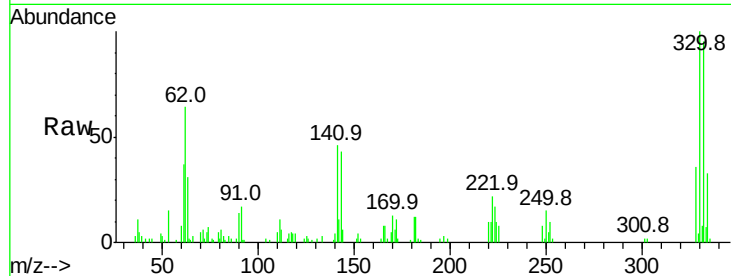
#41
 2,4,6-Tribromophenol
 Concen: 22.560 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Instrument :
 BNA_F
 ClientSampleId :
 7E-(1-2)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	24915		
332	94.3	77.0	115.6	
141	45.1	29.9	44.9#	

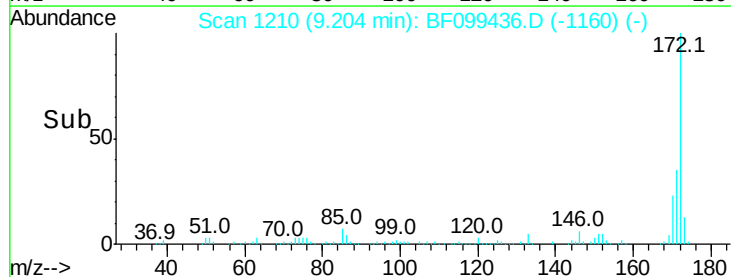
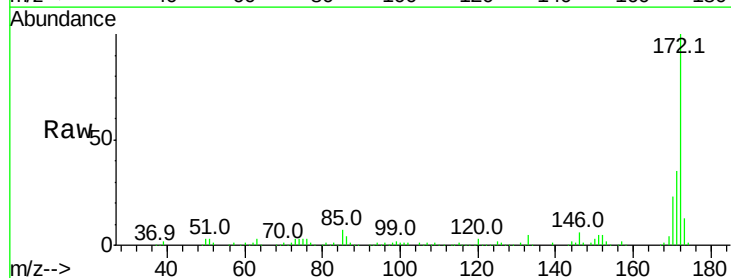
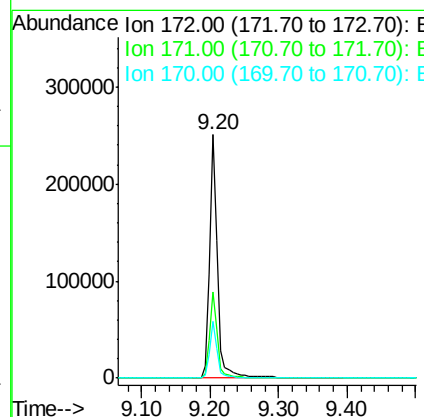
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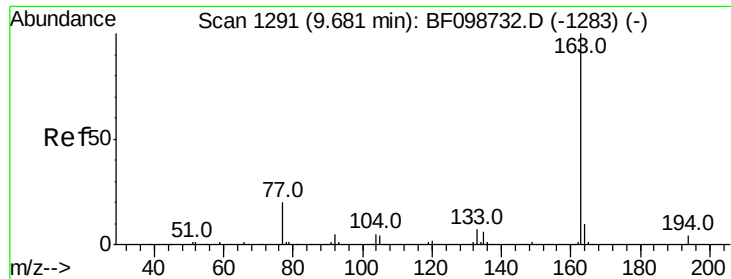
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#44
 2-Fluorobiphenyl
 Concen: 26.239 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	212129		
171	35.3	29.7	44.5	
170	23.3	19.6	29.4	





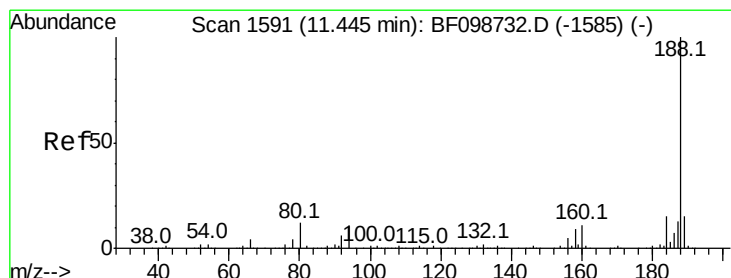
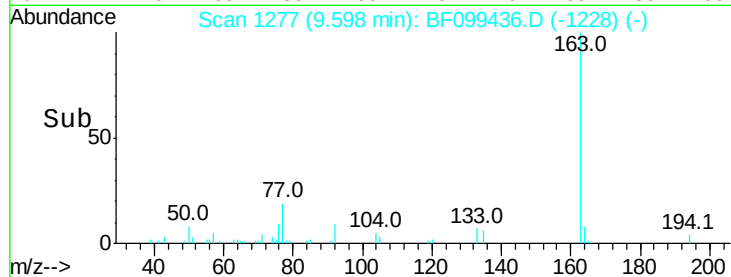
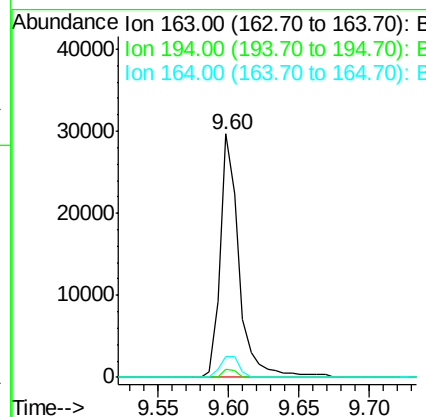
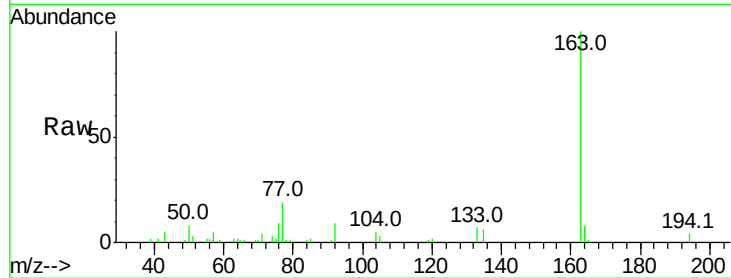
#49
Dimethylphthalate
Concen: 2.700 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Instrument :
BNA_F
ClientSampleId :
7E-(1-2)DL

Tot Ion:	163	Resp:	27507
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	8.4	8.2	12.2

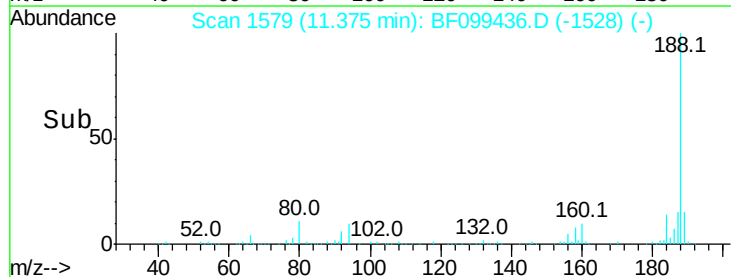
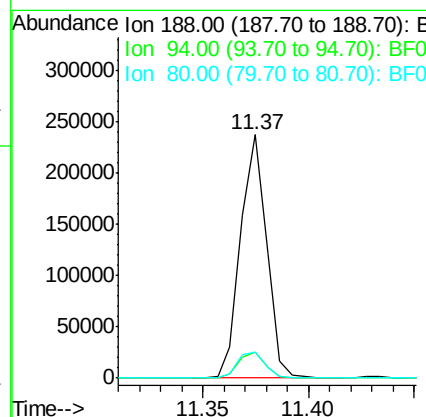
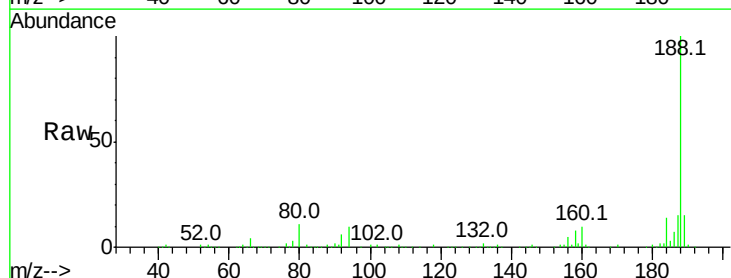
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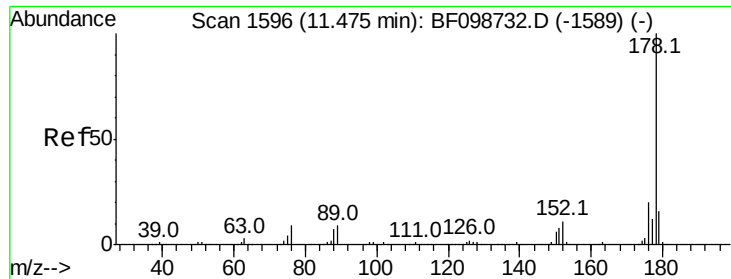
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Tgt Ion:	188	Resp:	202362
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.5	12.7
80	10.8	9.2	13.8





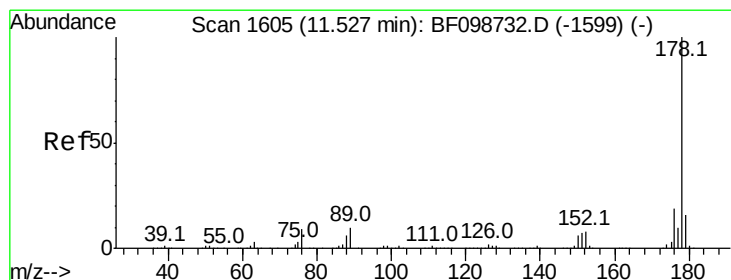
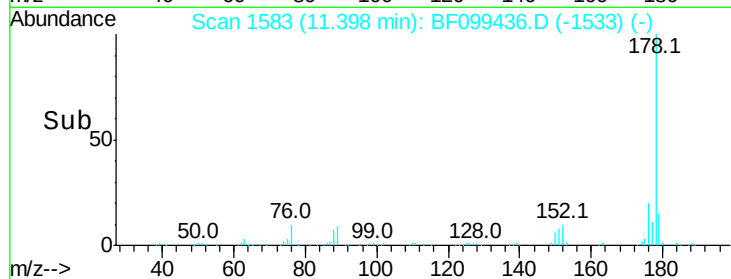
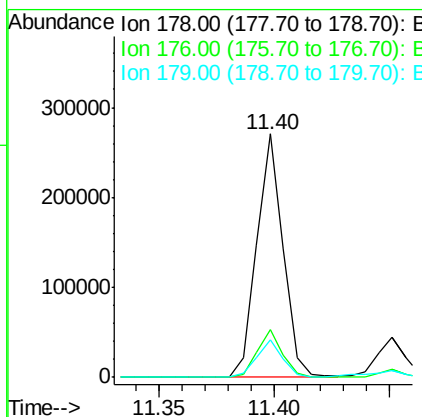
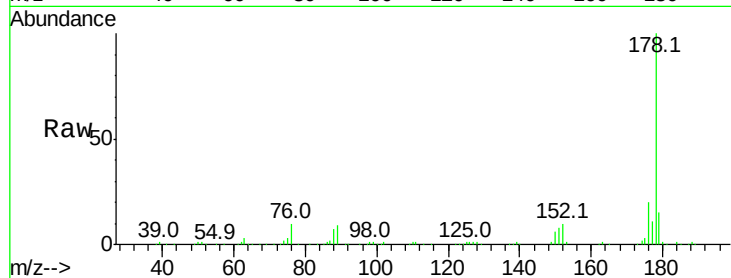
#70
Phenanthrene
Concen: 19.951 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Instrument :
BNA_F
ClientSampleId :
7E-(1-2)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

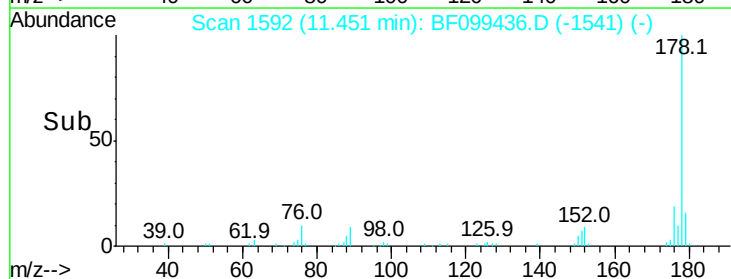
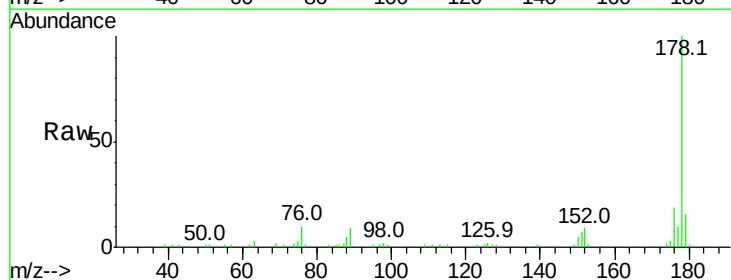
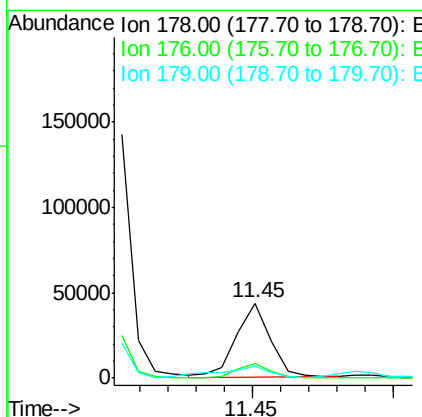
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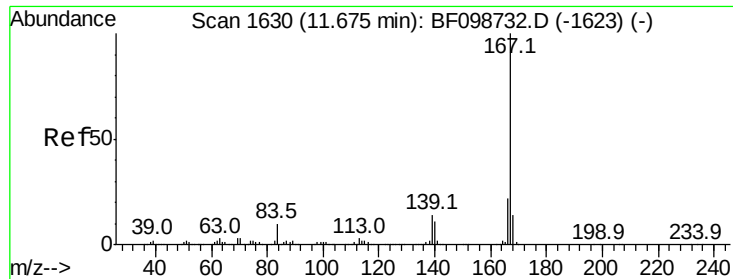
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#71
Anthracene
Concen: 3.236 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.6	19.0





#72

Carbazole

Concen: 2.050 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Instrument :

BNA_F

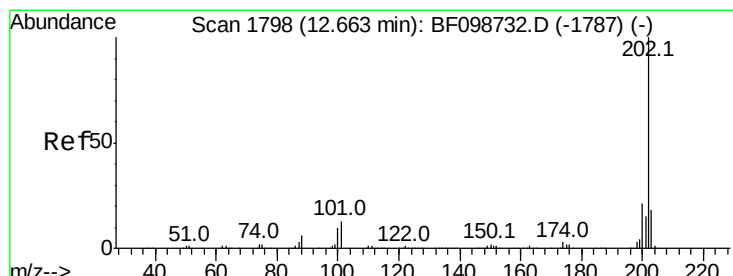
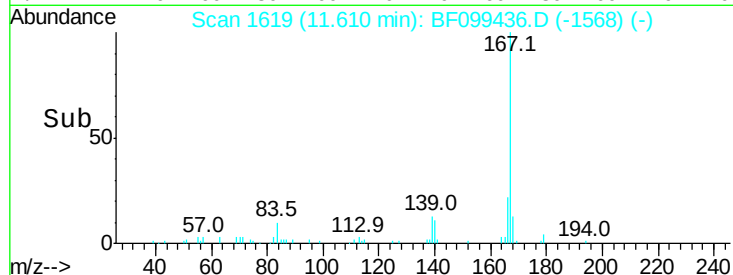
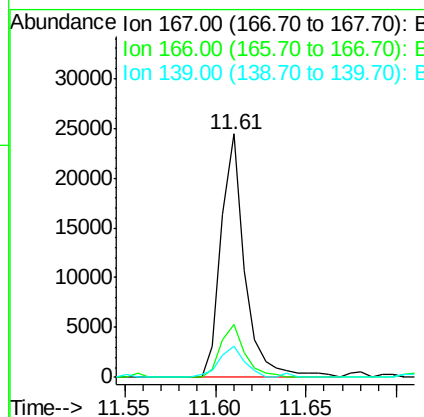
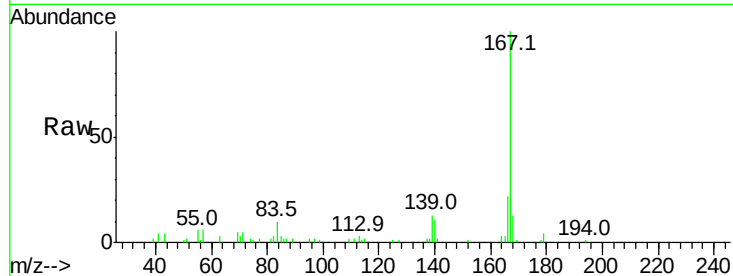
ClientSampleId :

7E-(1-2)DL

Tot Ion:	167	Resp:	22248
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.6	26.4
139	12.9	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 33.671 ng

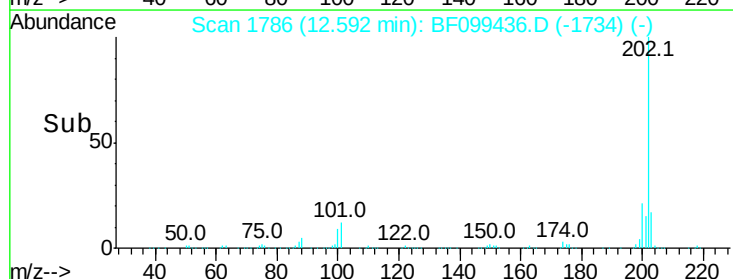
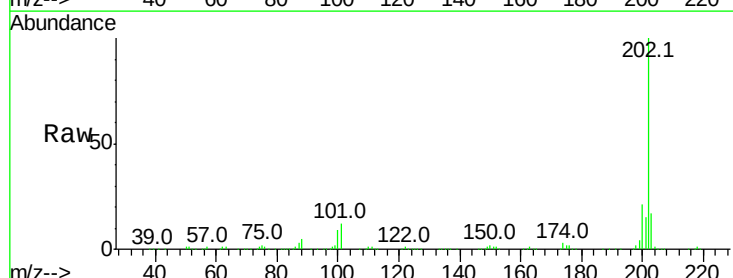
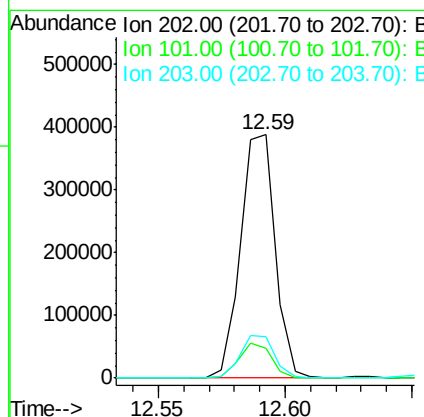
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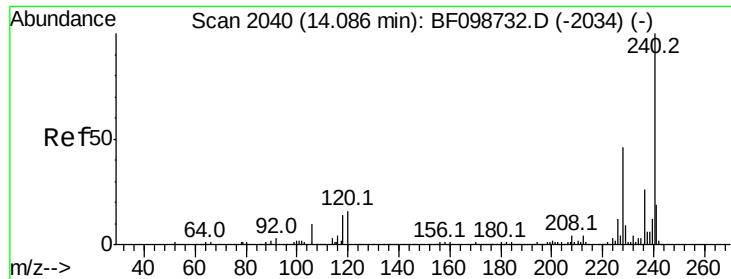
Delta R.T. 0.01 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Tgt Ion:	202	Resp:	369321
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	34.1
203	17.0	0.0	38.1





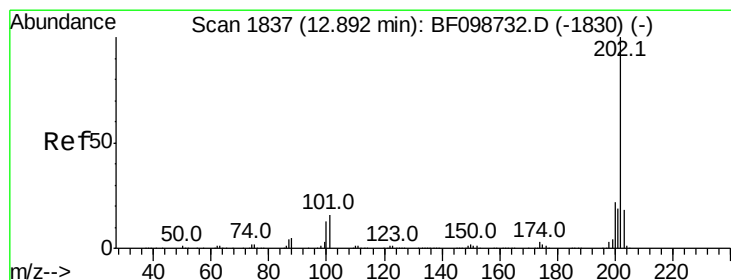
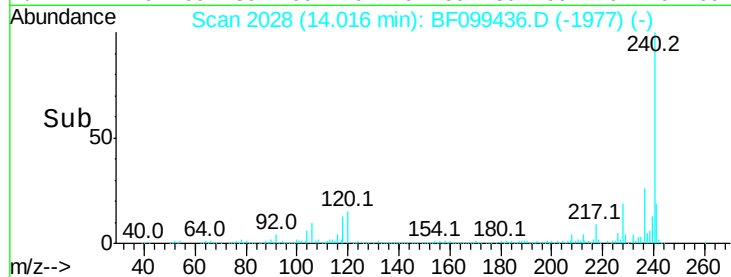
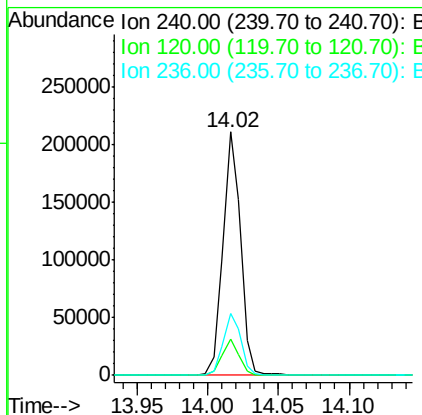
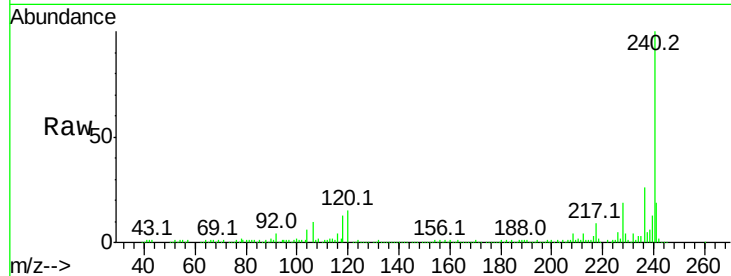
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Instrument :
BNA_F
ClientSampled :
7E-(1-2)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	25.5	20.7	31.1

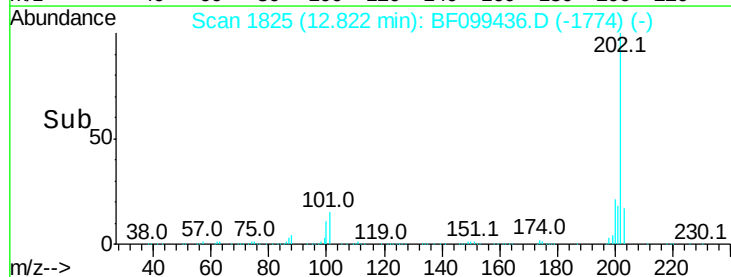
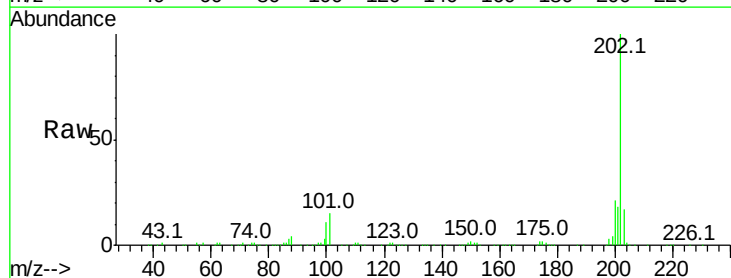
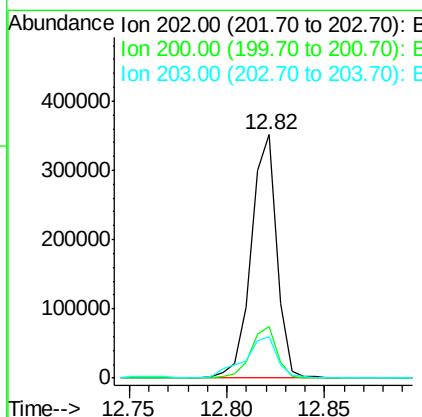
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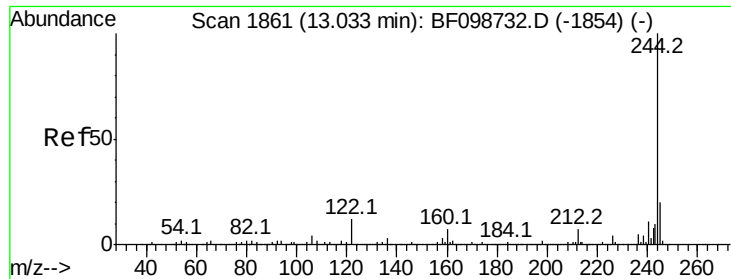
Sohil
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#77
Pyrene
Concen: 22.902 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.1	14.3	21.5





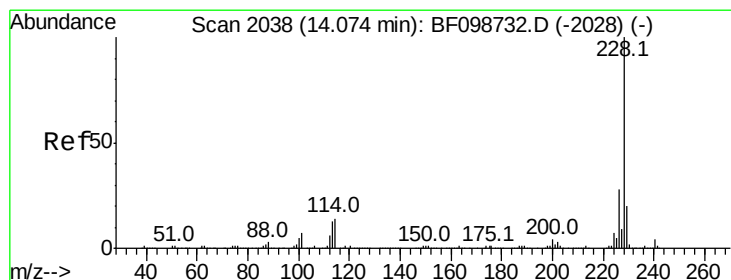
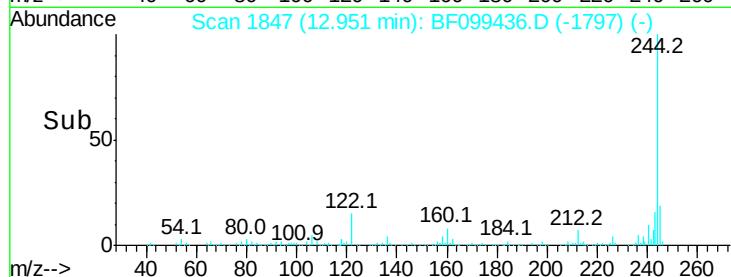
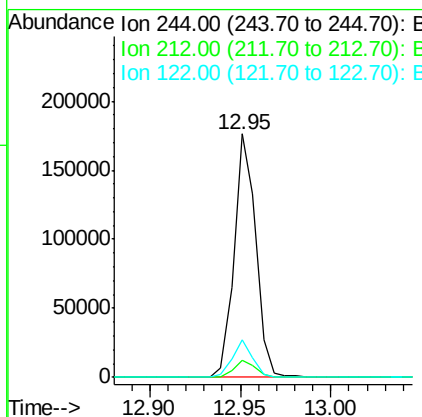
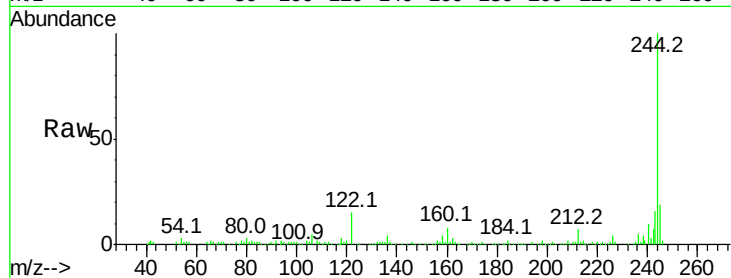
#78
 Terphenyl-d14
 Concen: 18.022 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Instrument :
 BNA_F
 ClientSampleId :
 7E-(1-2)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.2	11.0	16.4

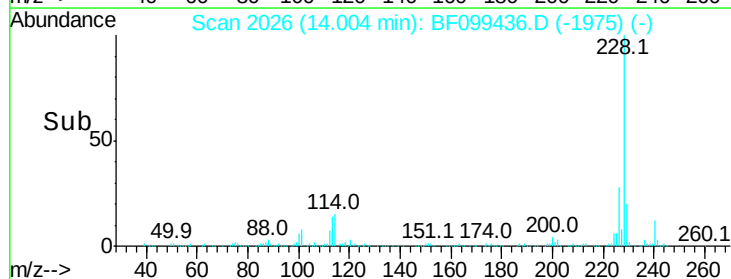
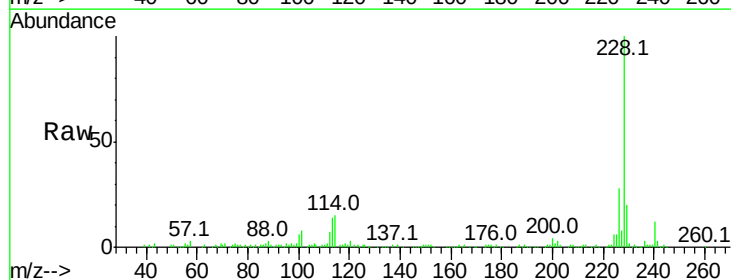
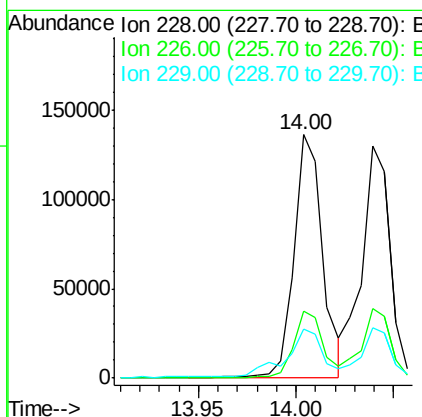
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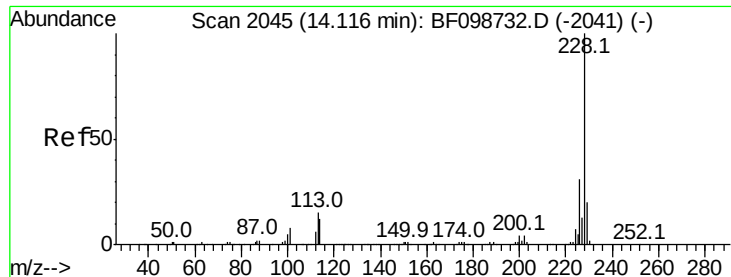
Sohil
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#80
 Benzo(a)anthracene
 Concen: 12.421 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 12.423 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Instrument :

BNA_F

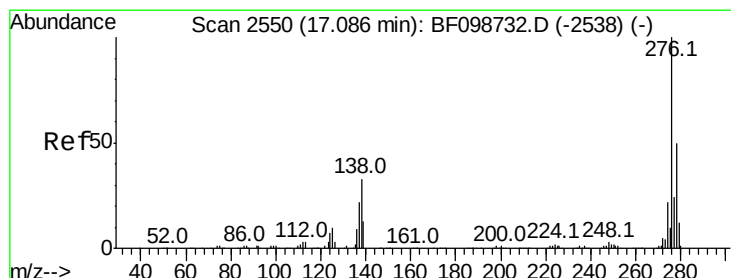
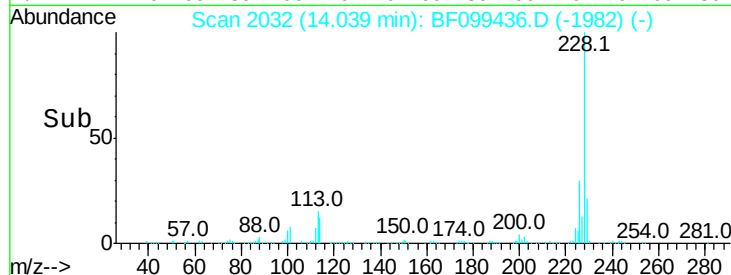
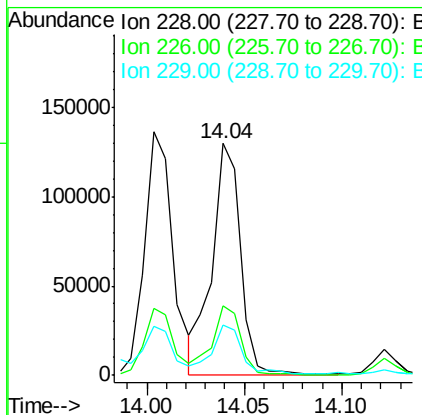
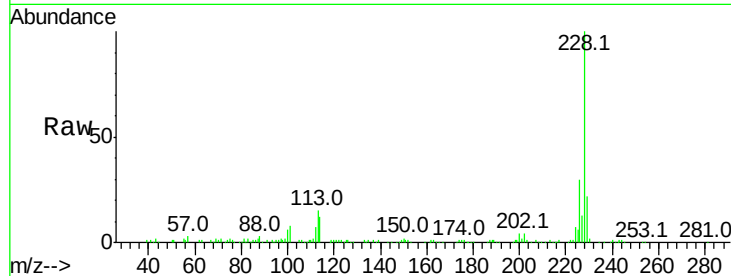
ClientSampleId :

7E-(1-2)DL

Tot Ion:	228	Resp:	131766
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	21.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.373 ng

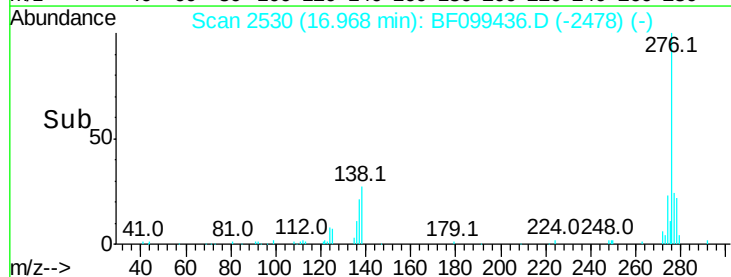
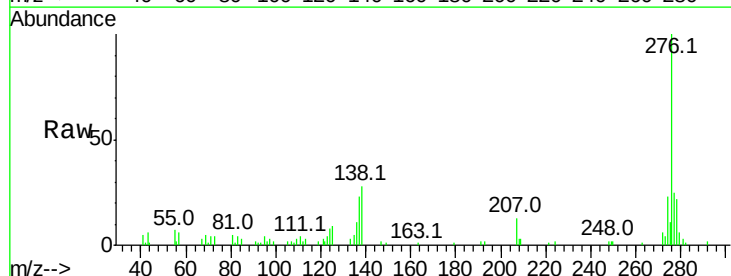
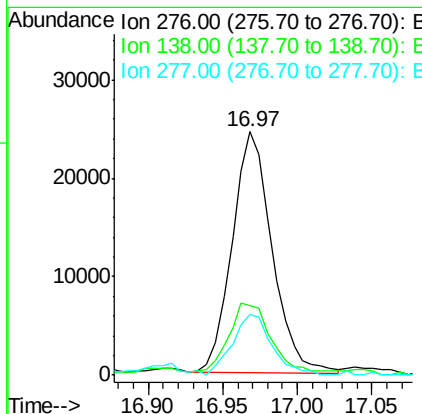
RT: 16.97 min Scan# 2530

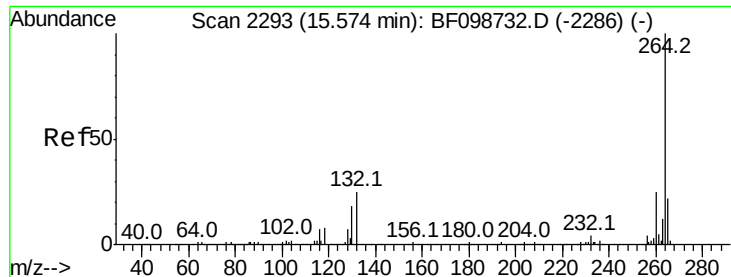
Delta R.T. 0.01 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Tgt Ion:	276	Resp:	45585
Ion Ratio	Lower	Upper	
276	100		
138	29.5	25.0	37.6
277	24.8	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Instrument :

BNA_F

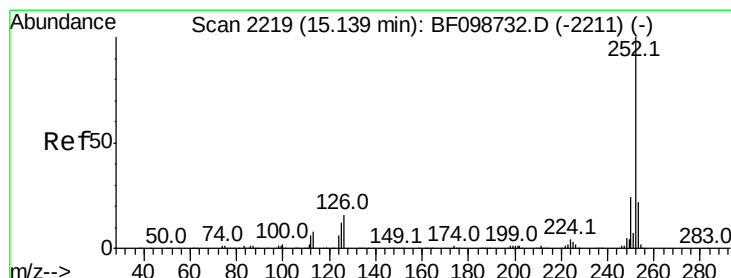
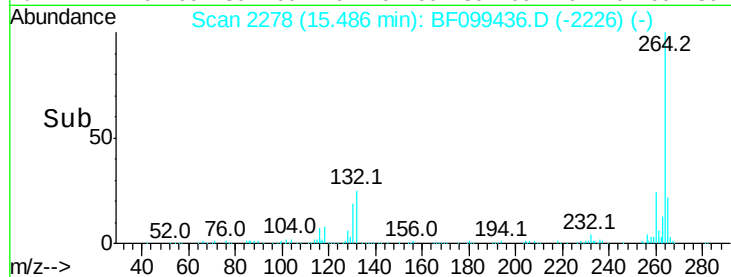
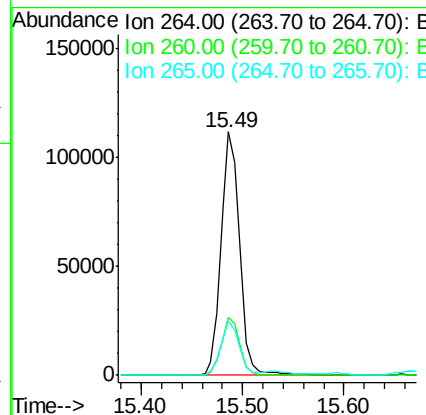
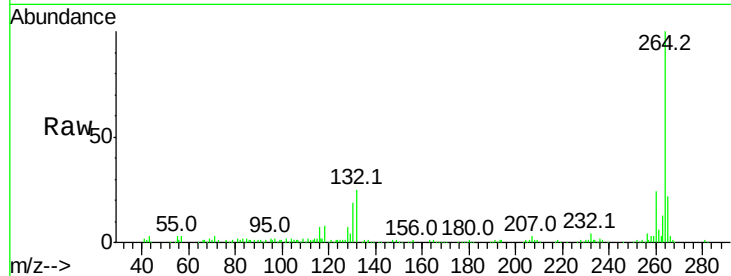
ClientSampled :

7E-(1-2)DL

Tot Ion:	264	Resp:	142806
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 15.393 ng m

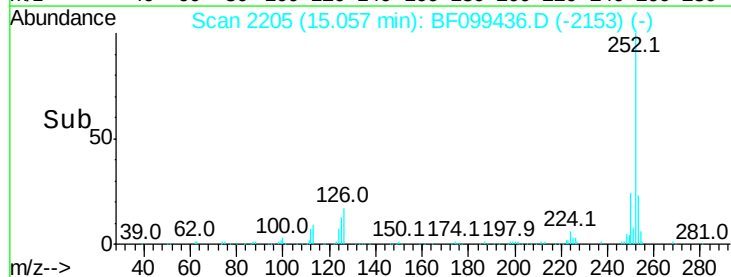
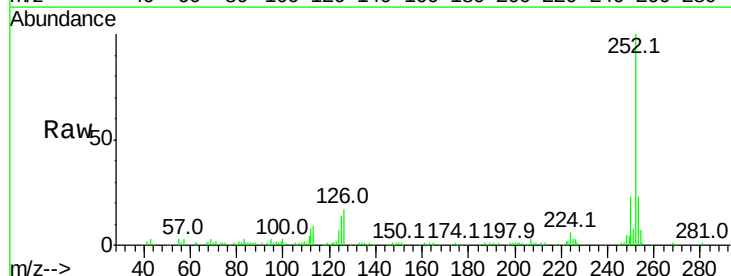
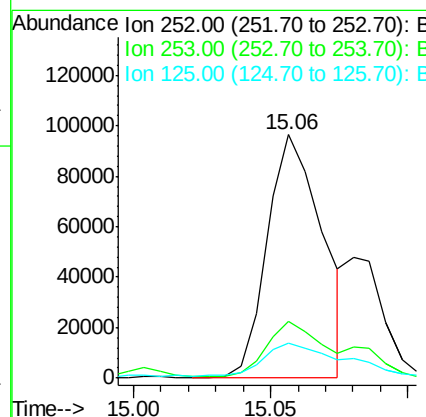
RT: 15.06 min Scan# 2205

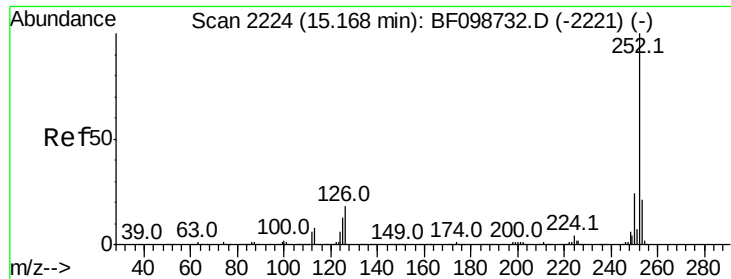
Delta R.T. 0.01 min

Lab File: BF099436.D

Acq: 13 Oct 2017 12:02

Tgt Ion:	252	Resp:	135157
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.2	9.0	13.6#





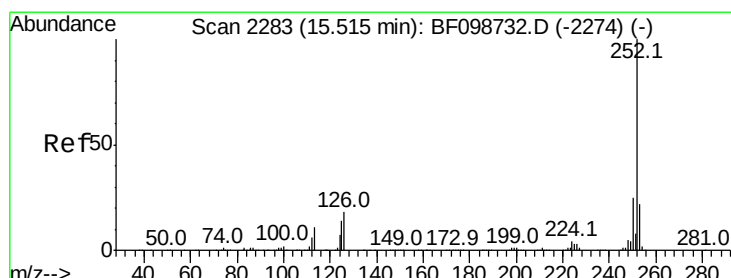
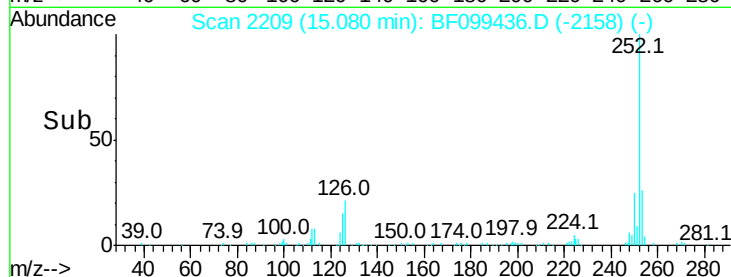
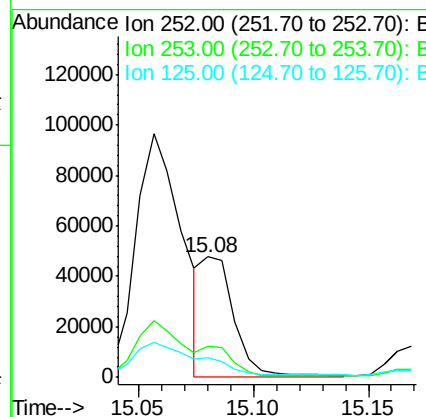
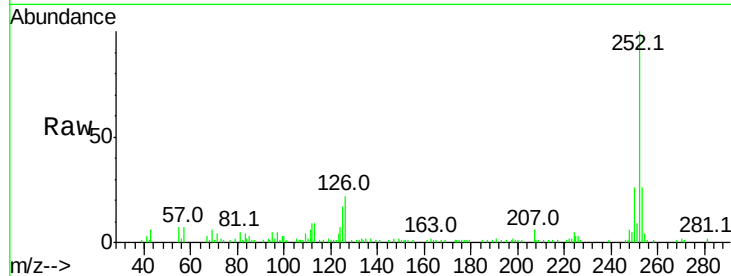
#88
Benzo(k)fluoranthene
Concen: 5.374 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Instrument :
BNA_F
ClientSampleId :
7E-(1-2)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	16.8	10.2	15.2

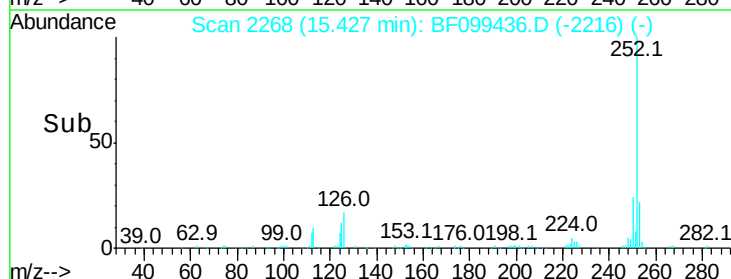
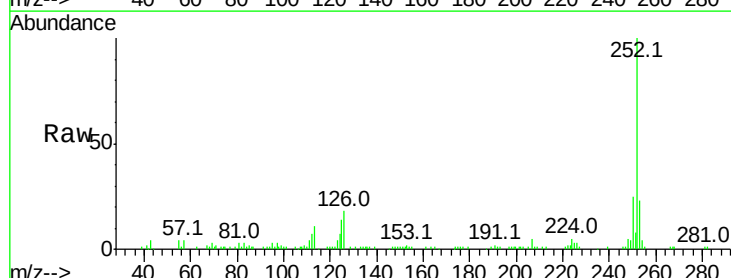
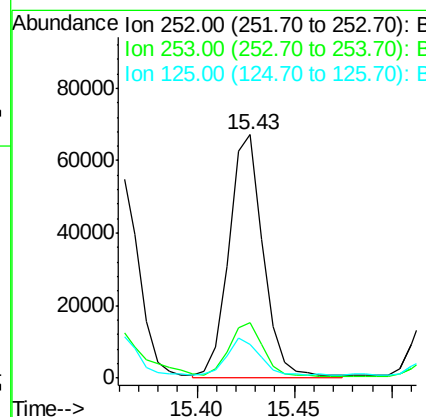
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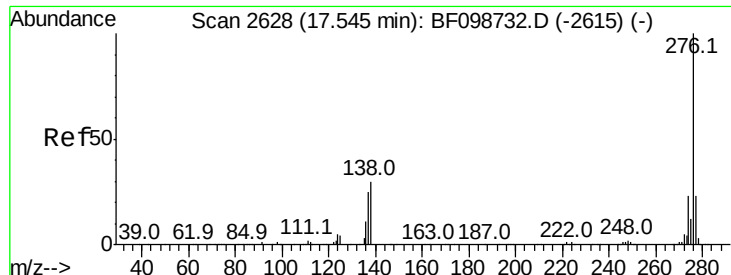
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#89
Benzo(a)pyrene
Concen: 10.147 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099436.D
Acq: 13 Oct 2017 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.7	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.717 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF099436.D
 Acq: 13 Oct 2017 12:02

Instrument :
 BNA_F
 ClientSampleId :
 7E-(1-2)DL

Tot Ion:	276	Resp:	42829
Ion Ratio	Lower	Upper	
276	100		
277	24.6	17.9	26.9
138	31.6	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:26:10 PM

