

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101325.D
 Acq On : 12 Dec 2017 10:05
 Operator : SJ/JU
 Sample : I6764-10DL 10X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Manual Integrations
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 12/12/2017 3:59:48 PM

Quant Time: Dec 12 10:41:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	40257	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	148861	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	62260	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	106370	20.00	ng	0.00
75) Chrysene-d12	14.02	240	85579	20.00	ng	0.01
86) Perylene-d12	15.49	264	65216	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	19602	8.05	ng	0.01
7) Phenol-d6	6.47	99	24252	8.20	ng	0.00
23) Nitrobenzene-d5	7.40	82	12548	5.03	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	3873	5.18	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	32639	7.17	ng	0.00
78) Terphenyl-d14	12.94	244	26768	6.84	ng	0.00
Target Compounds						
48) Acenaphthylene	9.73	152	23766	3.570	ng	Qvalue 97
70) Phenanthrene	11.39	178	62788	10.719	ng	97
71) Anthracene	11.44	178	20054	3.383	ng	97
74) Fluoranthene	12.58	202	165726	25.523	ng	94
77) Pyrene	12.81	202	159655	27.036	ng	99
80) Benzo(a)anthracene	14.00	228	76199	14.102	ng	96
82) Chrysene	14.04	228	77741	15.492	ng	98
85) Indeno(1,2,3-cd)pyrene	16.98	276	37405	8.384	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	97175m	24.877	ng	
88) Benzo(k)fluoranthene	15.09	252	21855m	5.679	ng	
89) Benzo(a)pyrene	15.43	252	58043	16.344	ng	98
90) Dibenzo(a,h)anthracene	16.99	278	10373m	3.313	ng	
91) Benzo(a,h,i)perylene	17.43	276	36379	12.330	ng	# 90

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

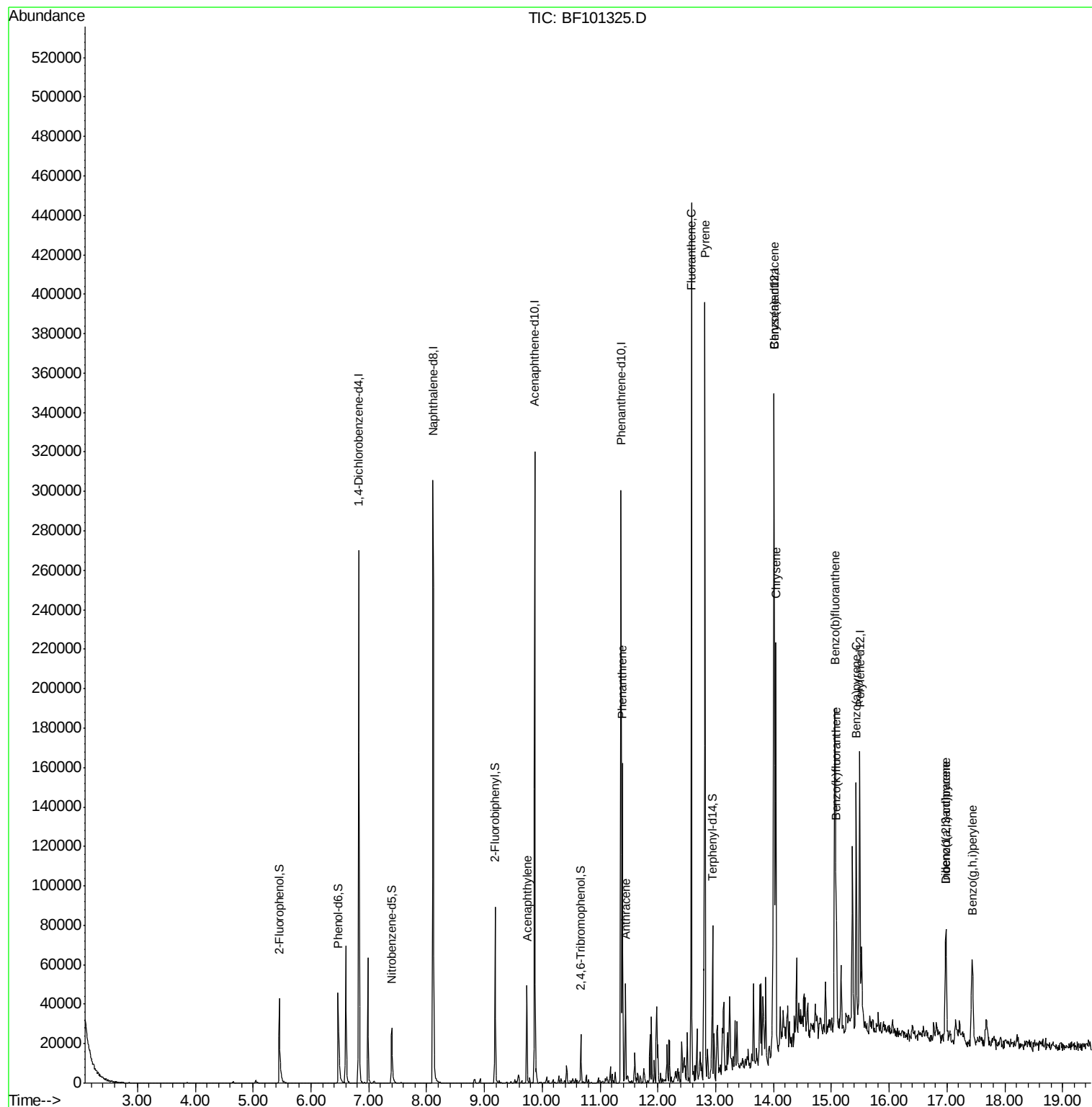
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101325.D
Acq On : 12 Dec 2017 10:05
Operator : SJ/JU
Sample : I6764-10DL 10X
Misc :
ALS Vial : 47 Sample Multiplier: 1

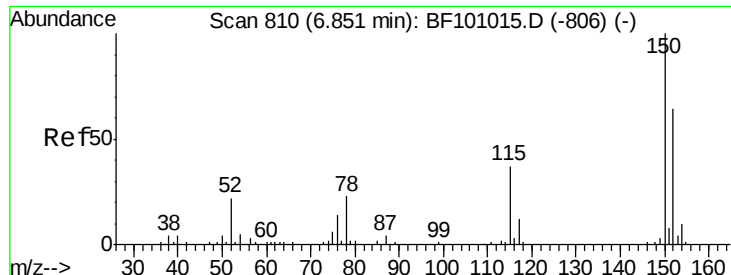
Instrument :
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MAP-3-E(4-5)DL

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#1

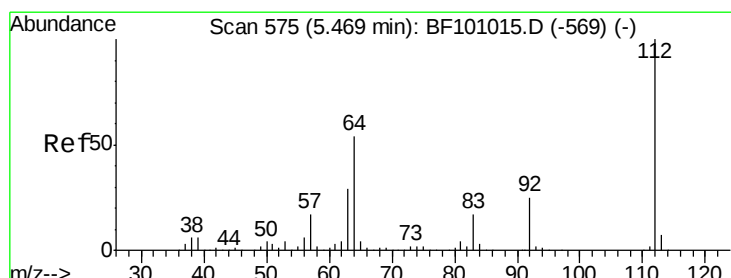
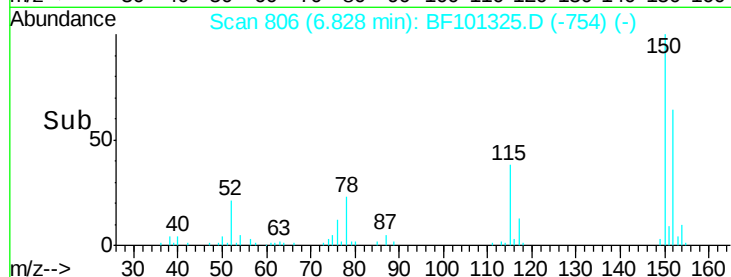
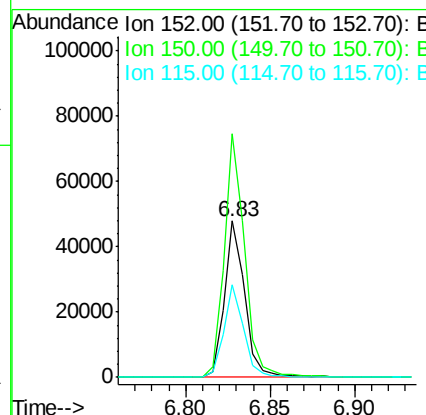
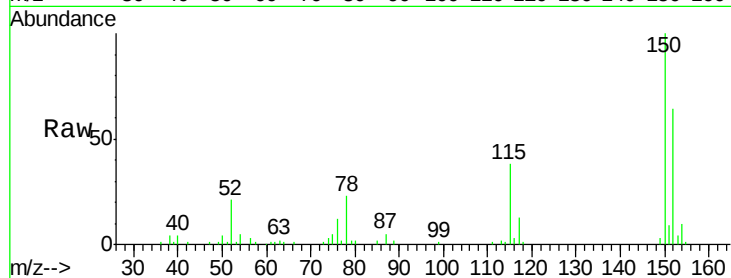
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	59.1	50.1	75.1

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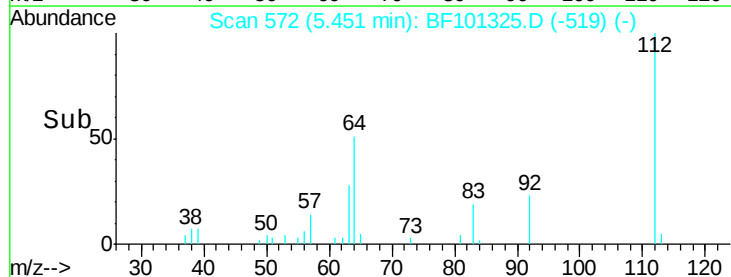
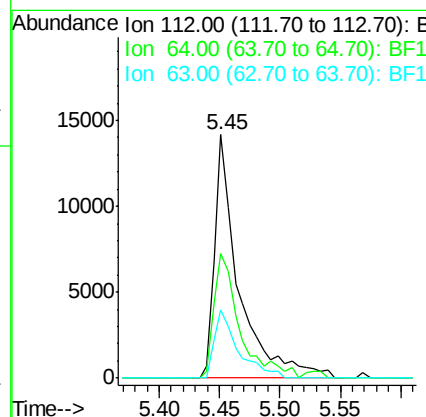
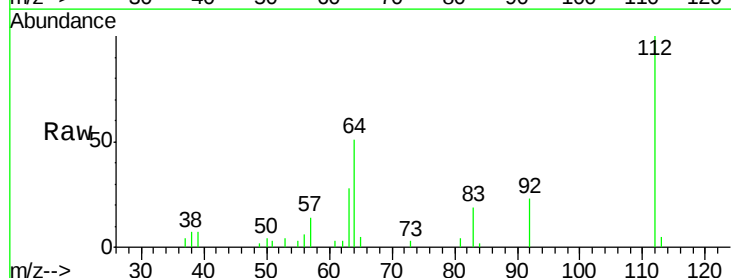
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#5

2-Fluorophenol
Concen: 8.046 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 8.199 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101325.D

Acq: 12 Dec 2017 10:05

Instrument :

BNA_F

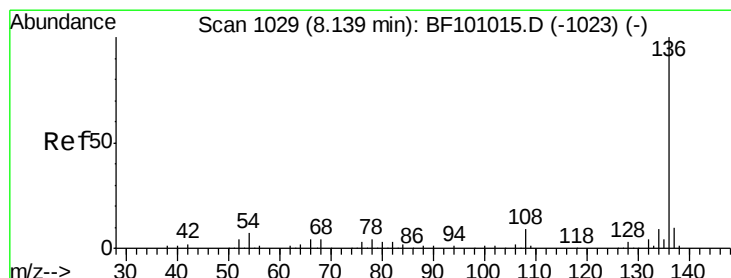
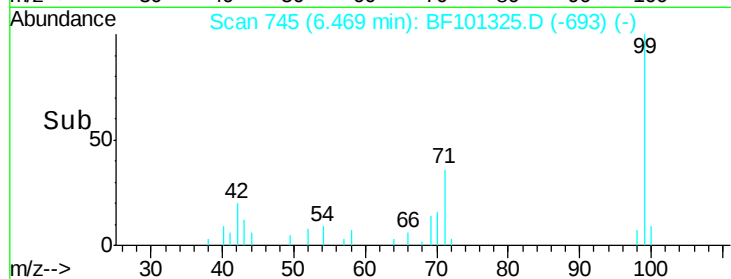
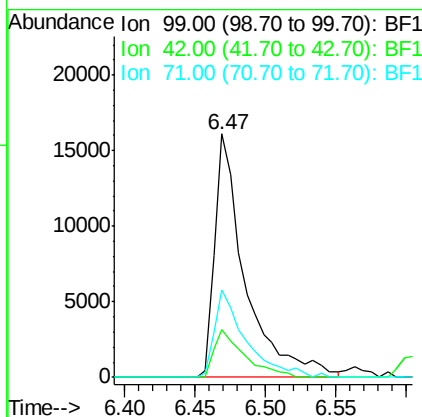
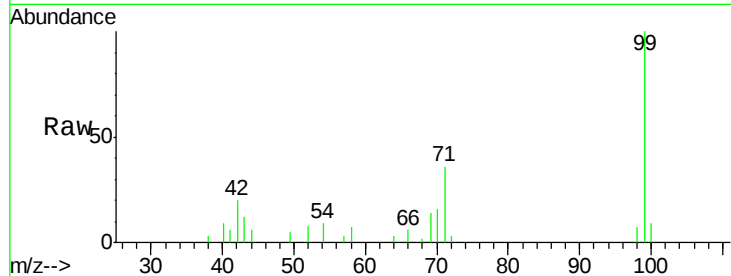
ClientSampleId :

MAP-3-E(4-5)DL

Tot Ion:	99	Resp:	24252
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	36.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

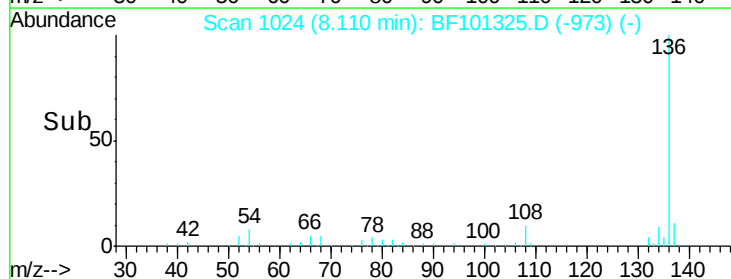
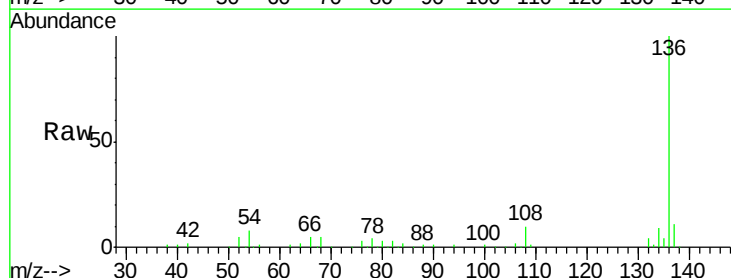
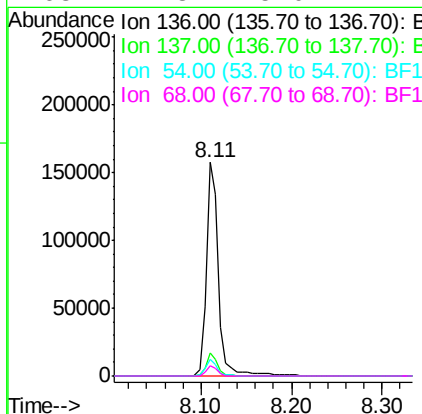
RT: 8.11 min Scan# 1024

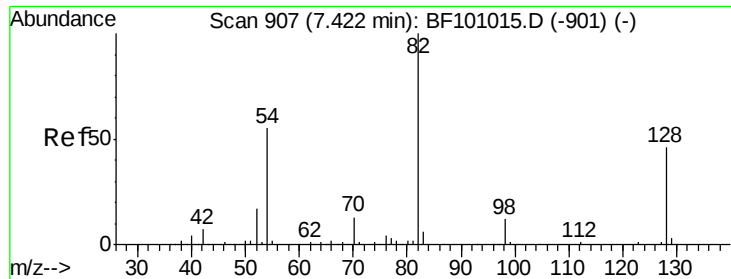
Delta R.T. 0.00 min

Lab File: BF101325.D

Acq: 12 Dec 2017 10:05

Tgt Ion:	136	Resp:	148861
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.8	6.6	9.8
68	4.8	5.0	7.4#





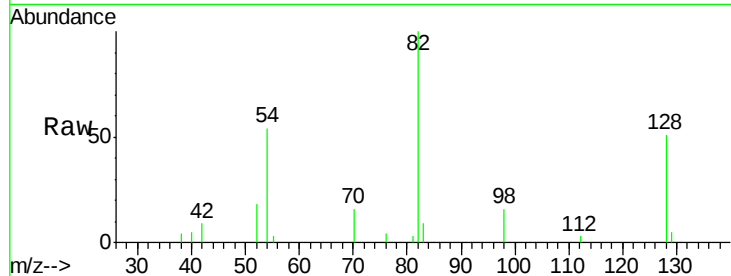
#23
 Nitrobenzene-d5
 Concen: 5.028 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

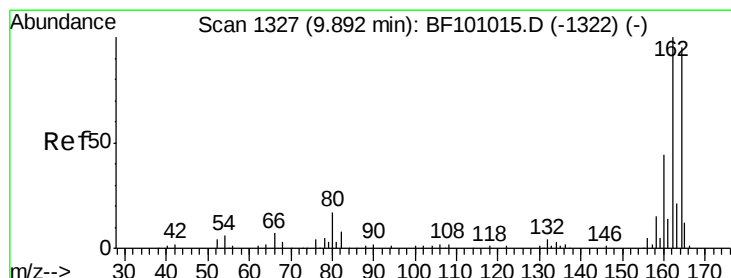
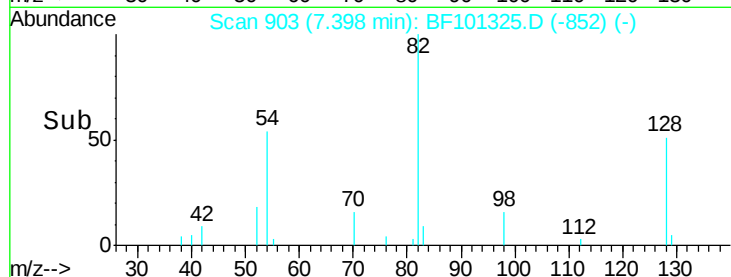
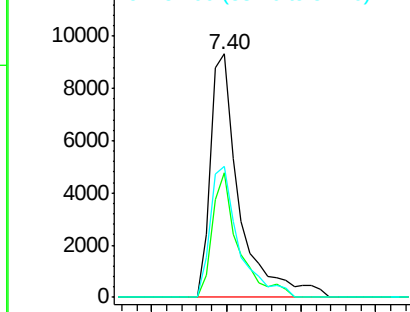
Tot Ion	82	Resp	12548
Ion Ratio	Lower	Upper	
82	100		
128	51.2	36.1	54.1
54	53.9	41.4	62.2

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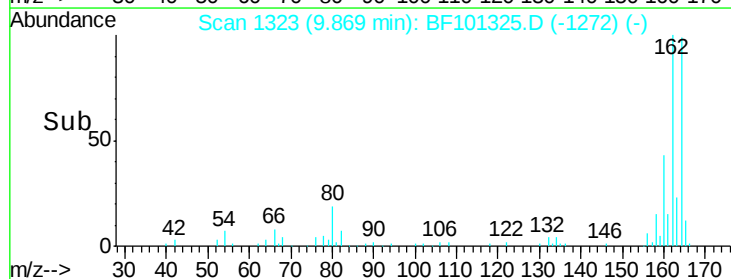
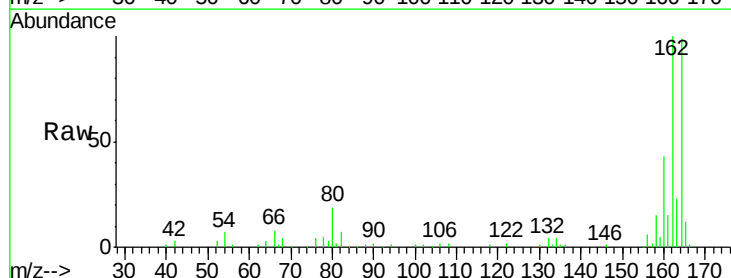
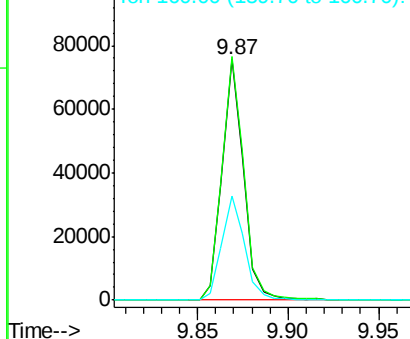
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Tgt Ion	164	Resp	62260
Ion Ratio	Lower	Upper	
164	100		
162	101.1	86.1	129.1
160	43.5	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





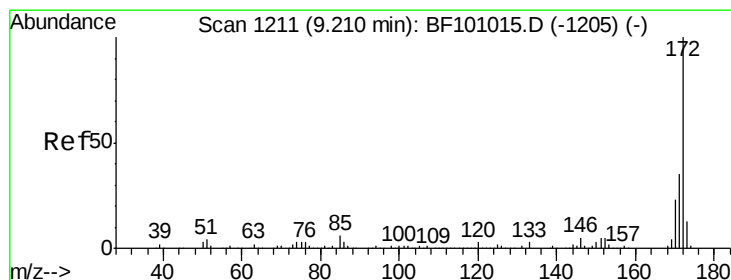
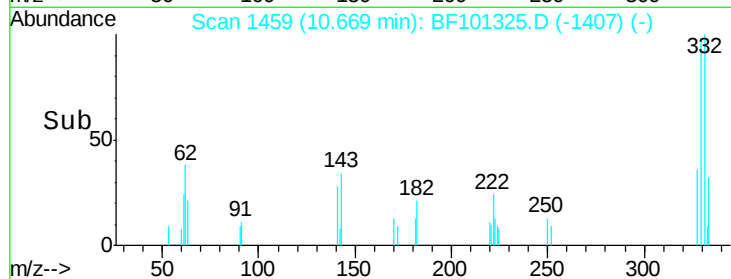
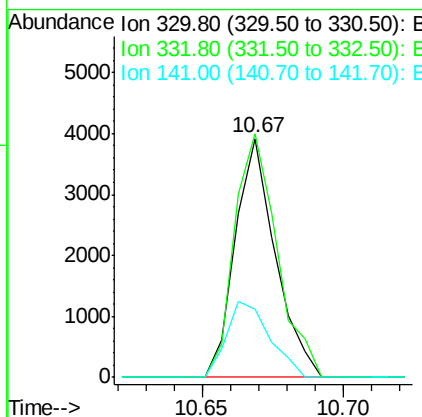
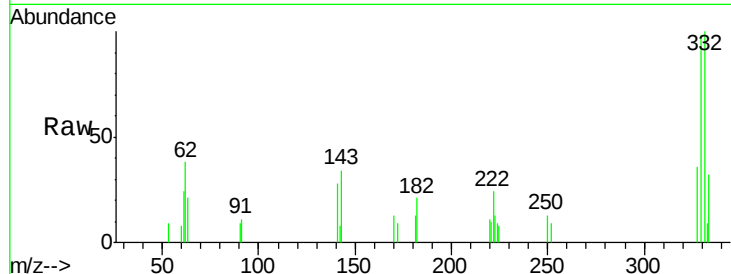
#41
 2,4,6-Tribromophenol
 Concen: 5.178 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	107.7	77.0	115.6
141	34.0	29.9	44.9

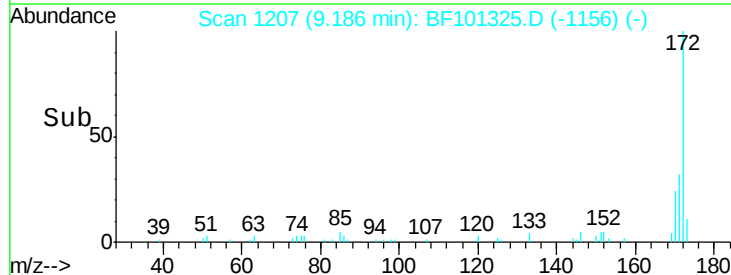
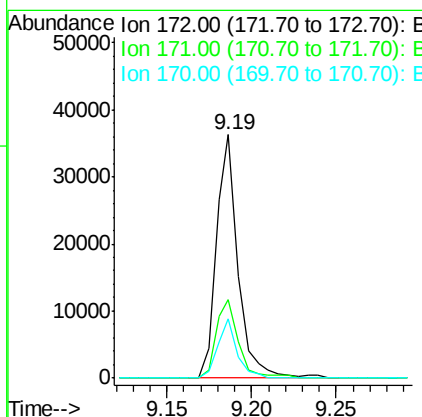
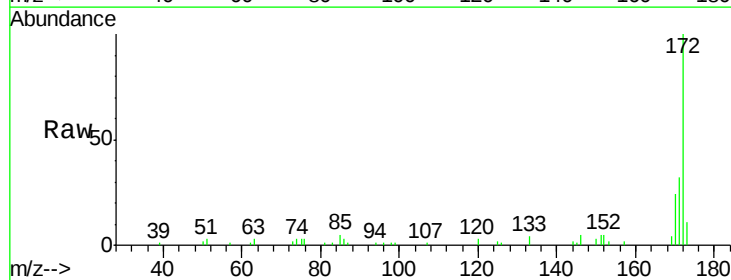
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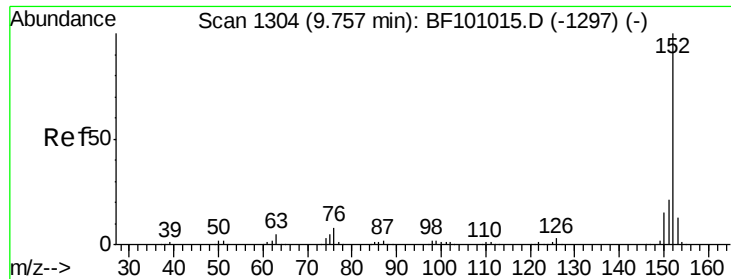
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#44
 2-Fluorobiphenyl
 Concen: 7.173 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.3	29.7	44.5
170	24.2	19.6	29.4





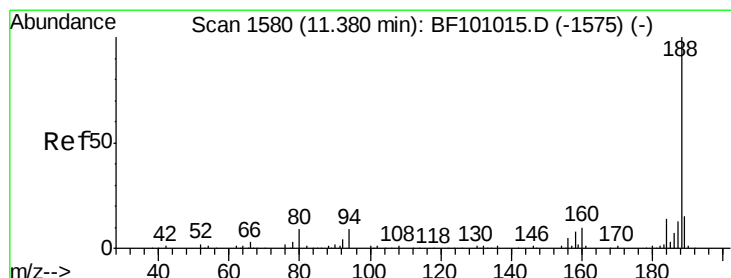
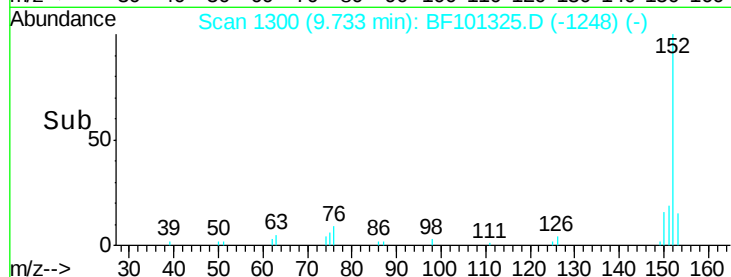
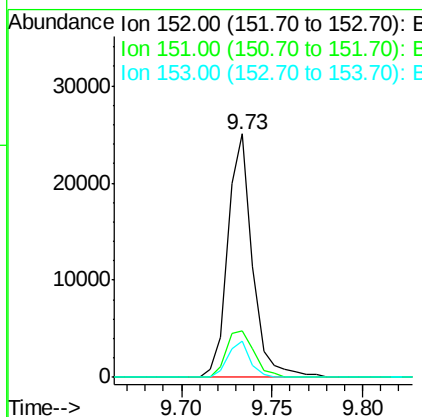
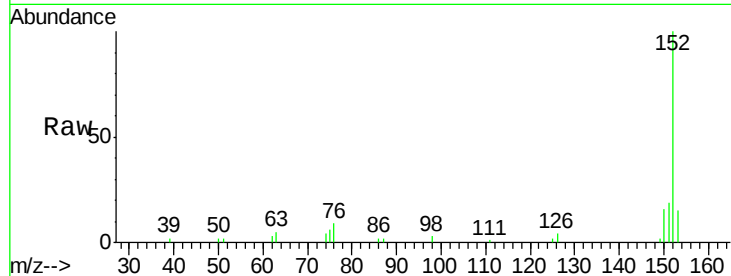
#48
Acenaphthylene
Concen: 3.570 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	15.0	10.7	16.1

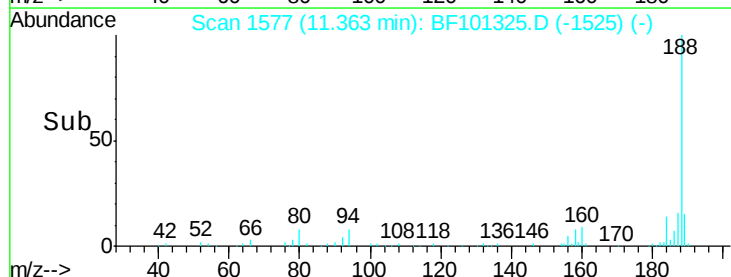
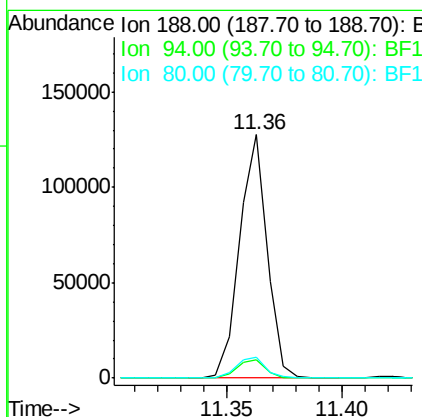
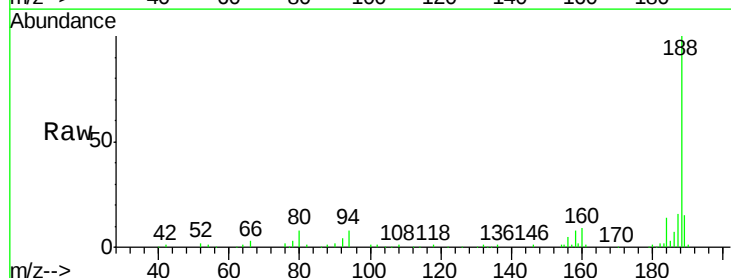
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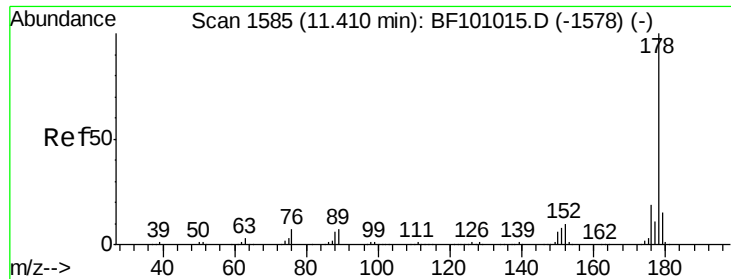
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	8.5	12.7#
80	8.4	9.2	13.8#





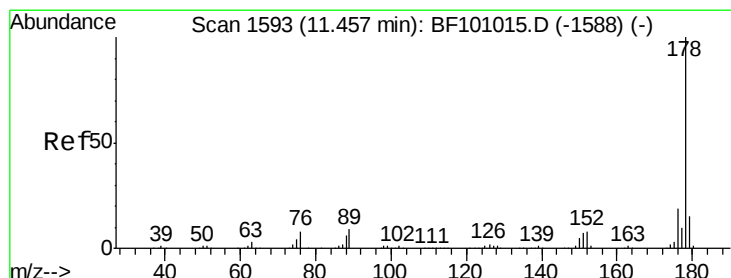
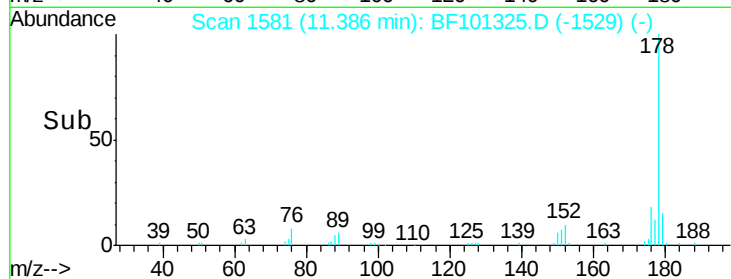
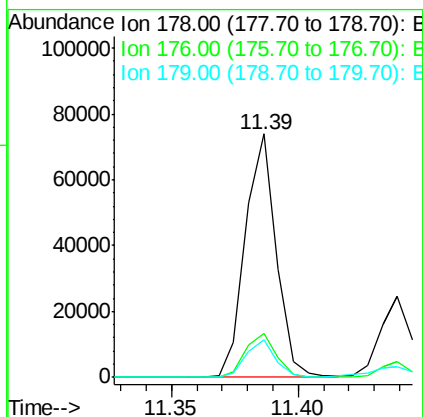
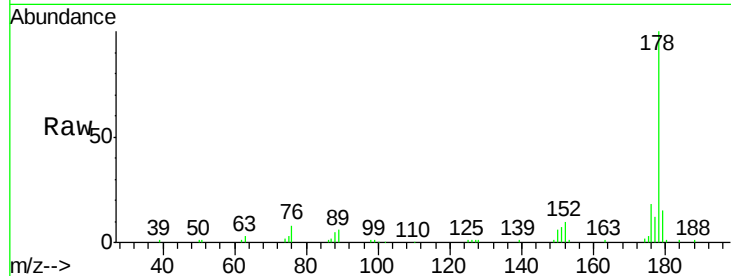
#70
Phenanthrene
Concen: 10.719 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.4	13.0	19.6

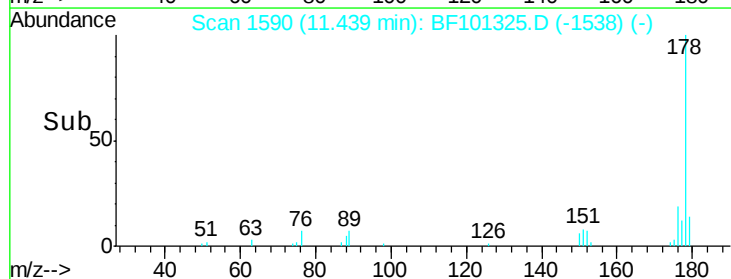
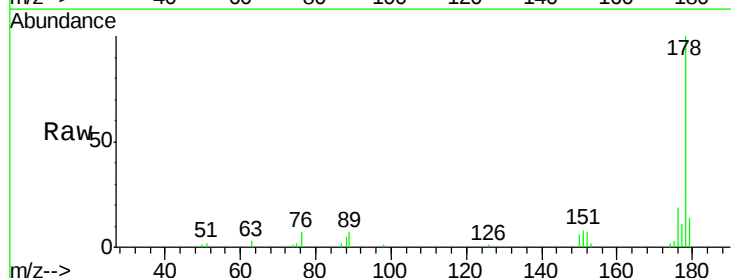
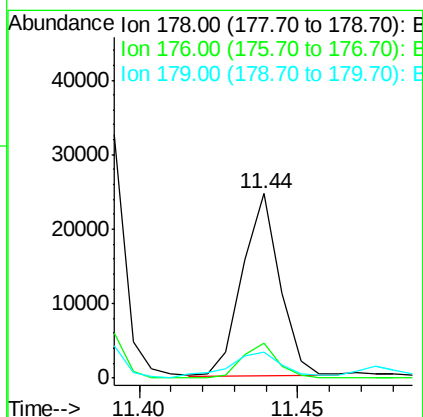
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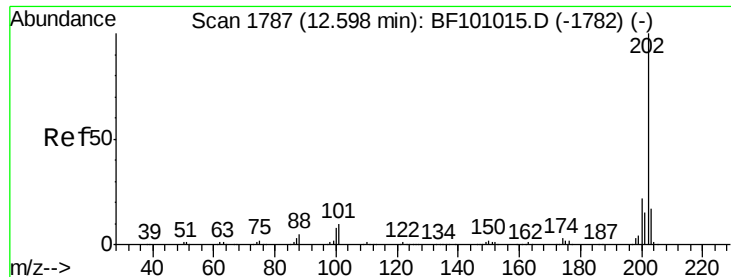
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#71
Anthracene
Concen: 3.383 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	13.8	12.6	19.0





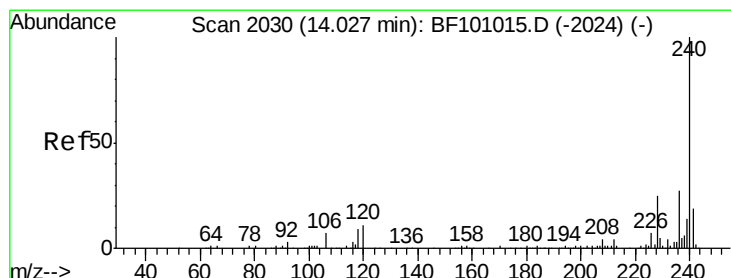
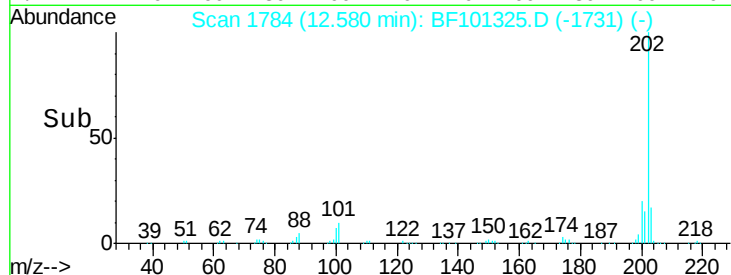
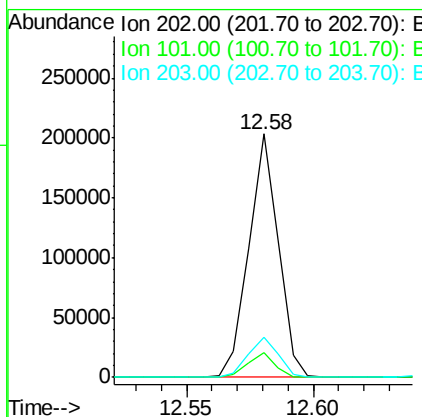
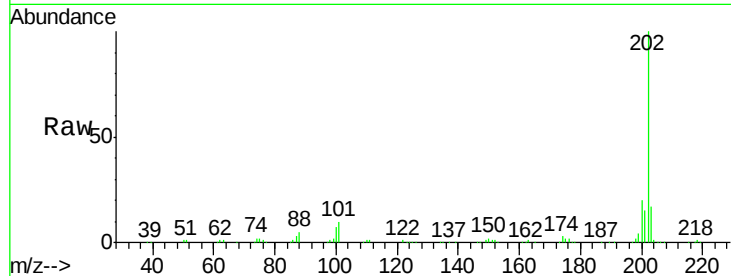
#74
 Fluoranthene
 Concen: 25.523 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	165726		
101	10.0	0.0	34.1	
203	16.7	0.0	38.1	

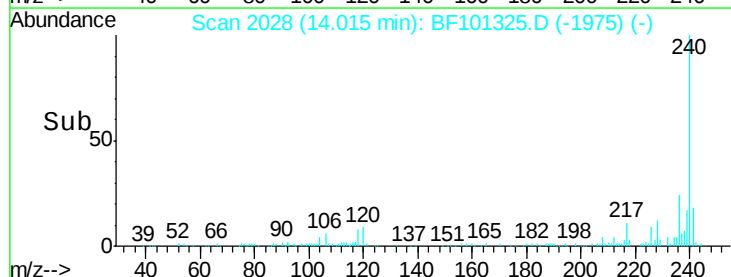
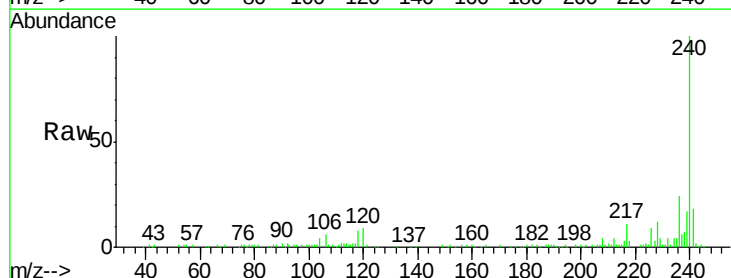
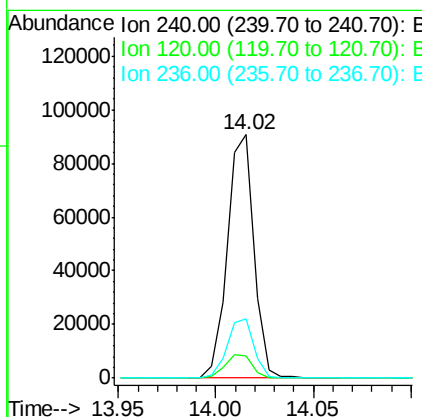
Manual Integrations
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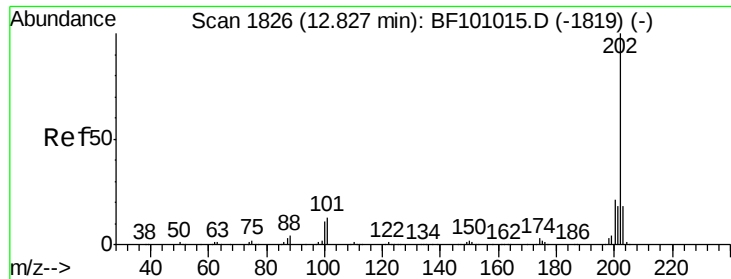
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	85579		
120	9.1	9.5	14.3#	
236	24.2	20.7	31.1	





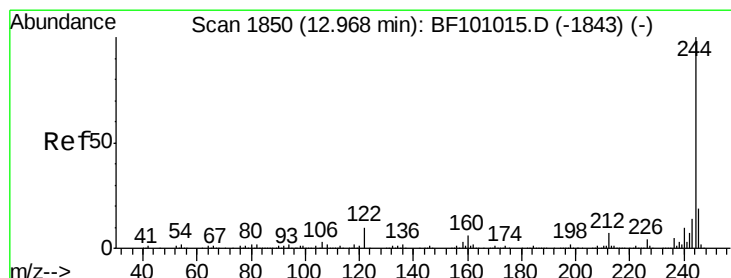
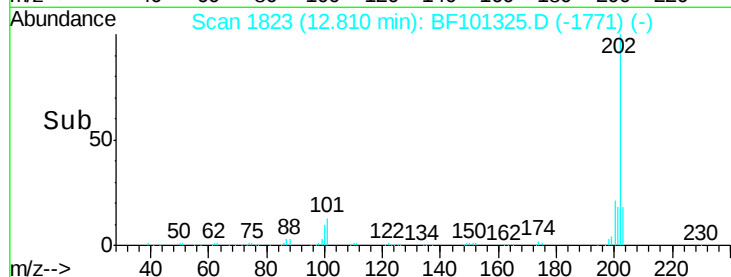
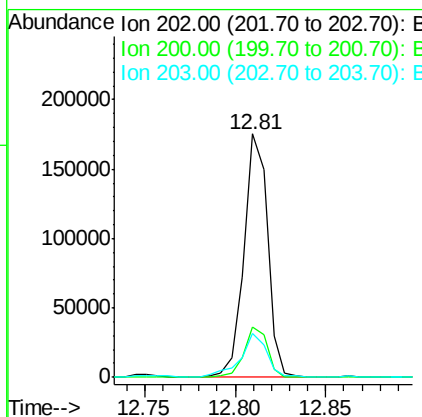
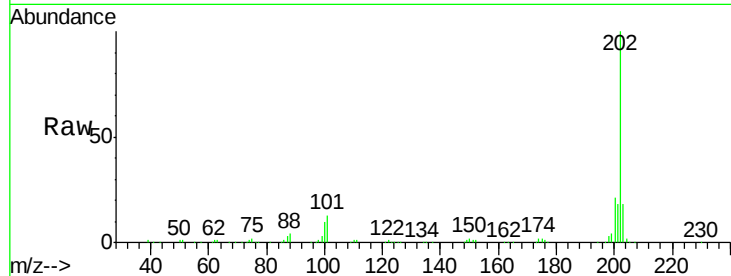
#77
Pvrene
Concen: 27.036 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.8	14.3	21.5

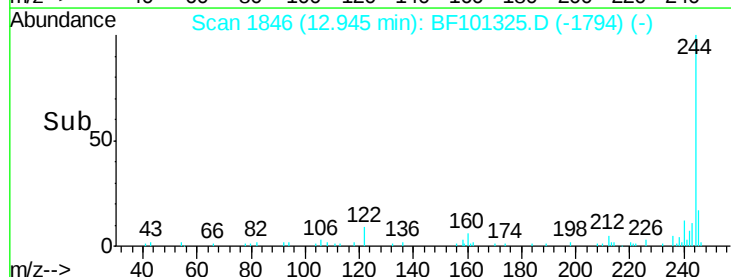
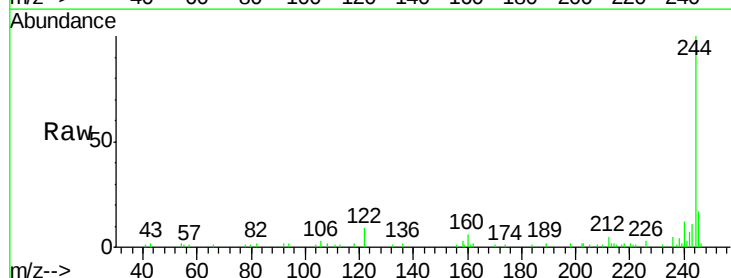
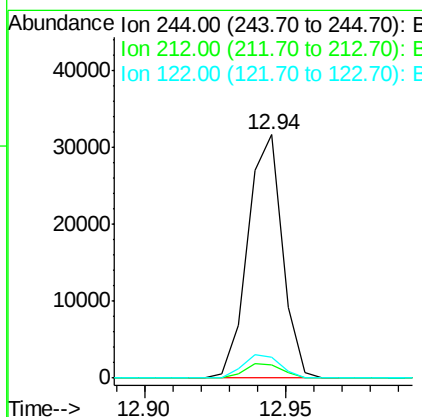
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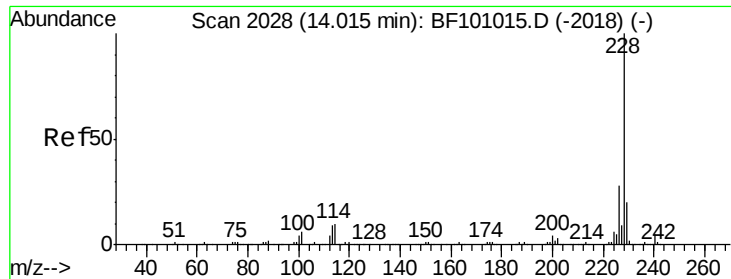
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#78
Terphenyl-d14
Concen: 6.841 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	5.2	5.4	8.0#
122	8.8	11.0	16.4#





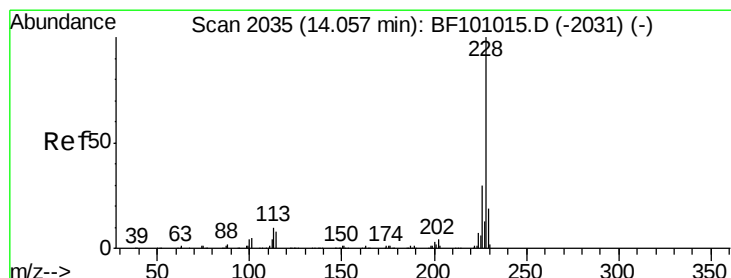
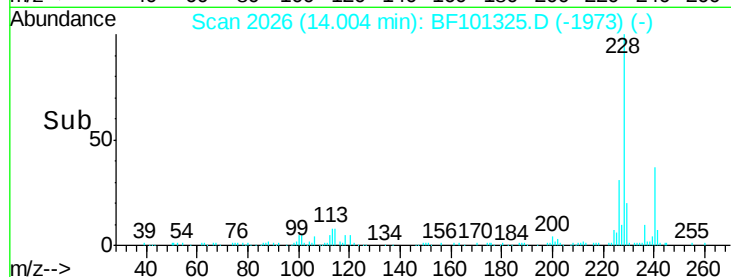
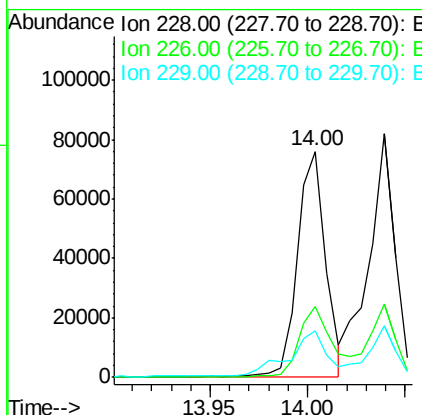
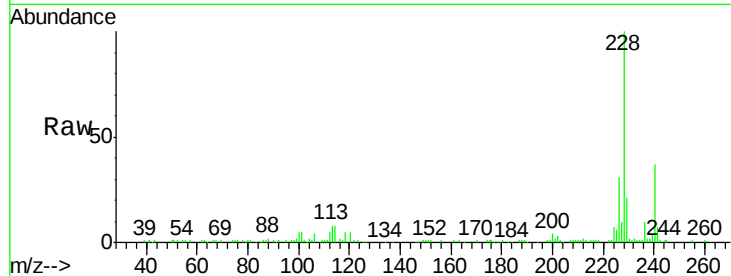
#80
Benzo(a)anthracene
Concen: 14.102 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	20.6	15.8	23.6

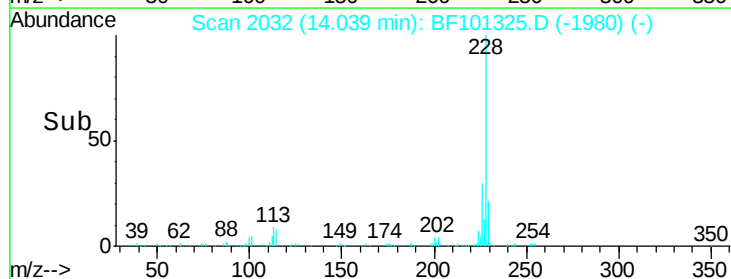
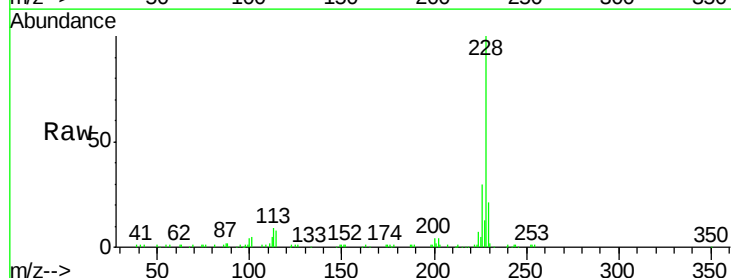
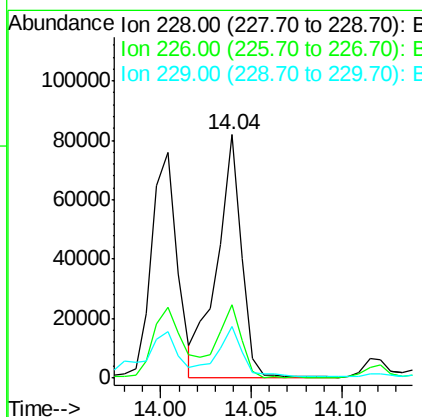
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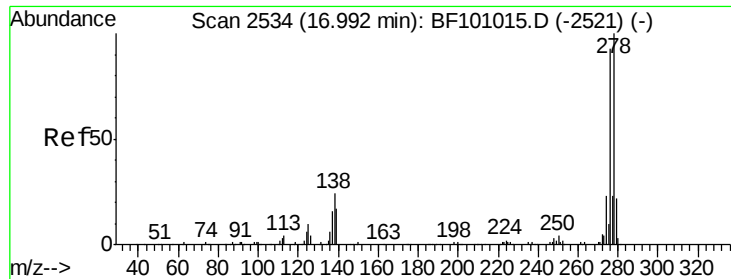
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#82
Chrysene
Concen: 15.492 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.0	16.2	24.4





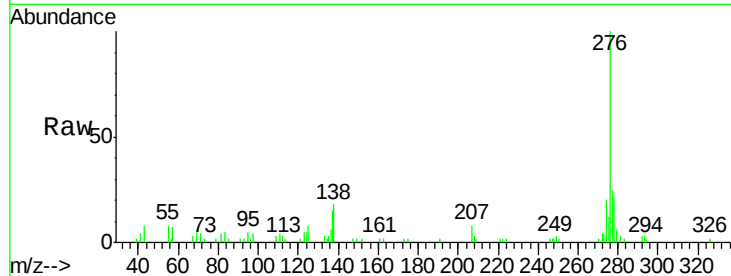
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.384 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.04 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

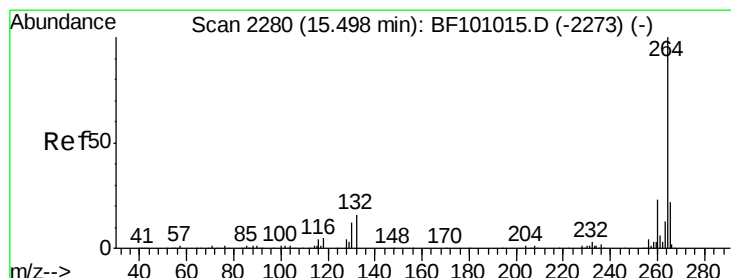
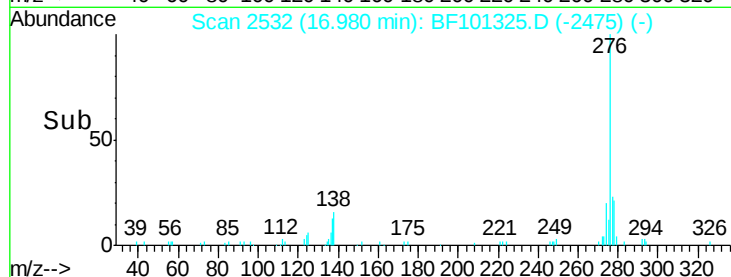
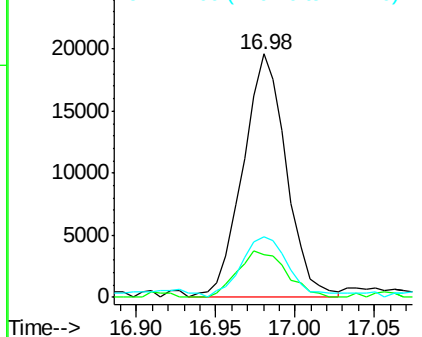
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6#
277	27.0	20.1	30.1

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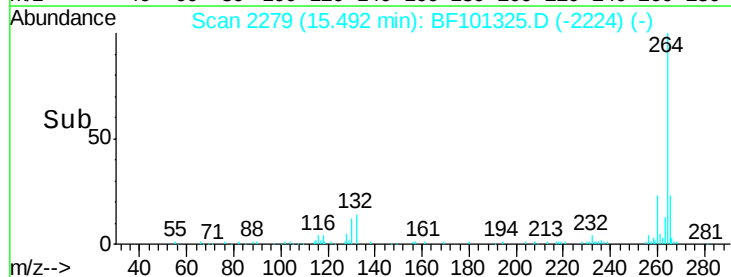
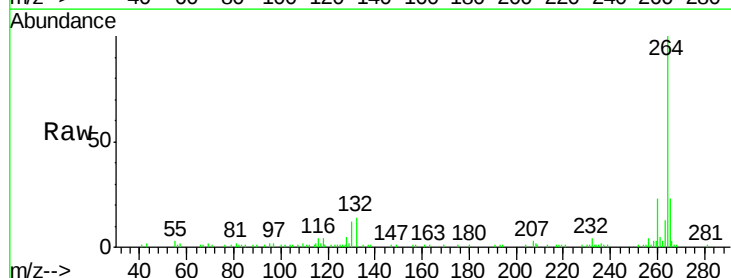
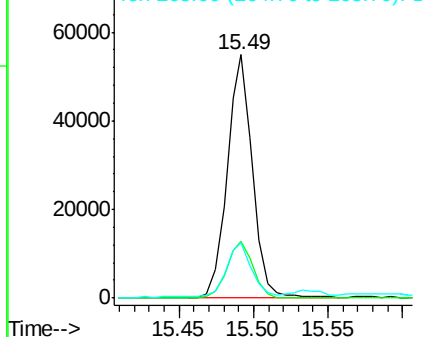
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

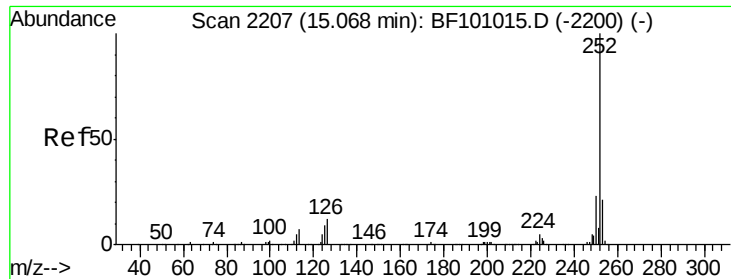


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.6	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 24.877 ng m

RT: 15.06 min Scan# 2206

Delta R.T. 0.02 min

Lab File: BF101325.D

Acq: 12 Dec 2017 10:05

Instrument :

BNA_F

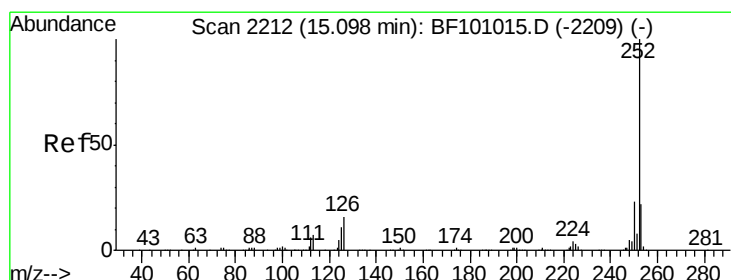
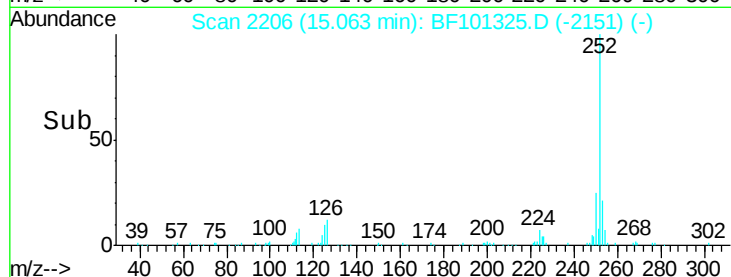
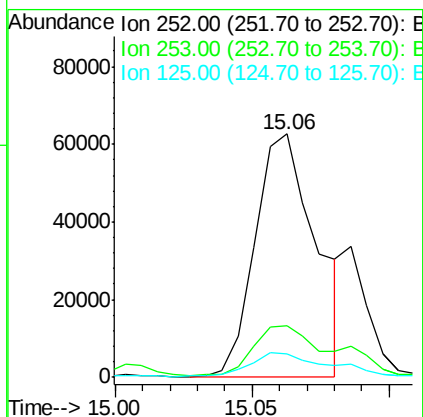
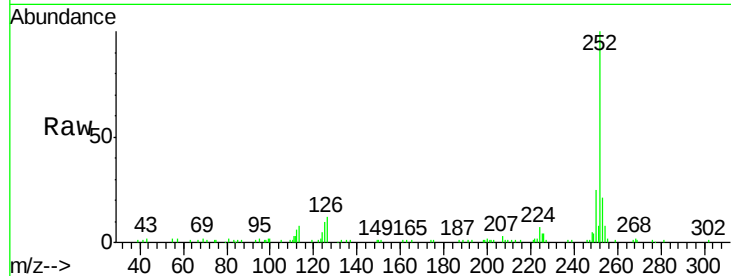
ClientSampleId :

MAP-3-E(4-5)DL

Tot Ion:	252	Resp:	97175
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.0	25.6
125	9.7	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 5.679 ng m

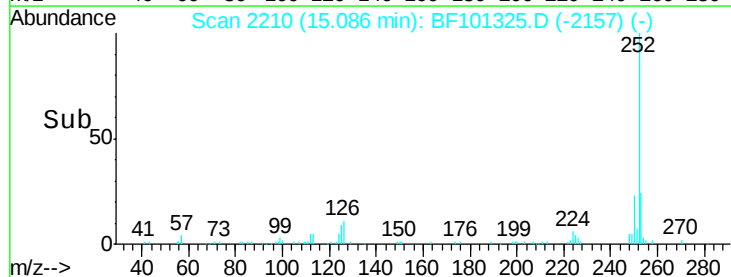
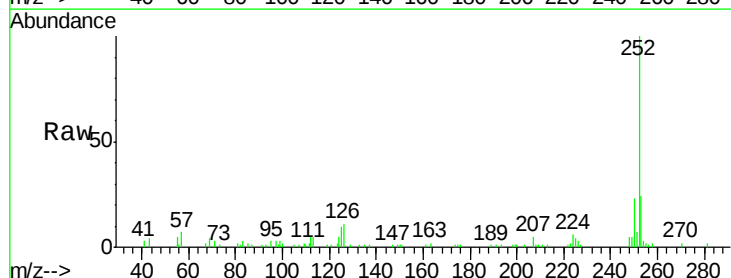
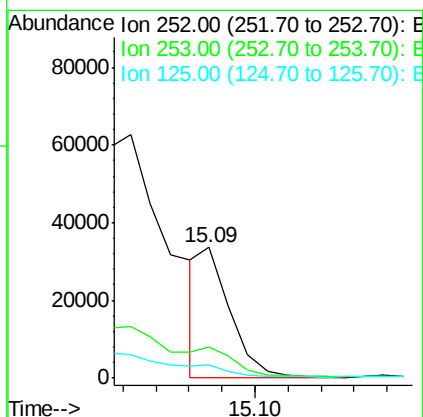
RT: 15.09 min Scan# 2210

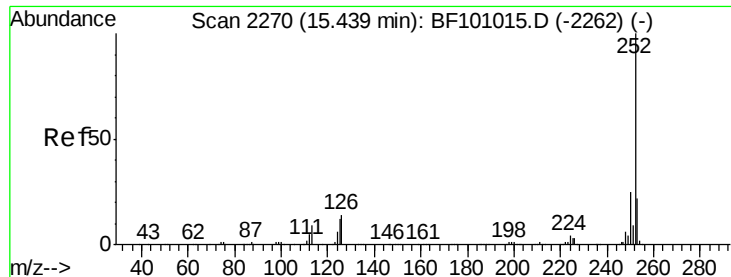
Delta R.T. 0.01 min

Lab File: BF101325.D

Acq: 12 Dec 2017 10:05

Tgt Ion:	252	Resp:	21855
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	9.9	10.2	15.2#





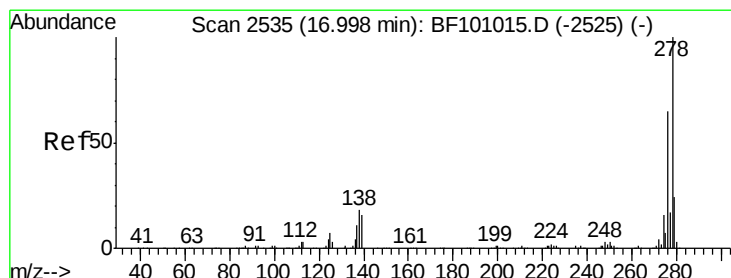
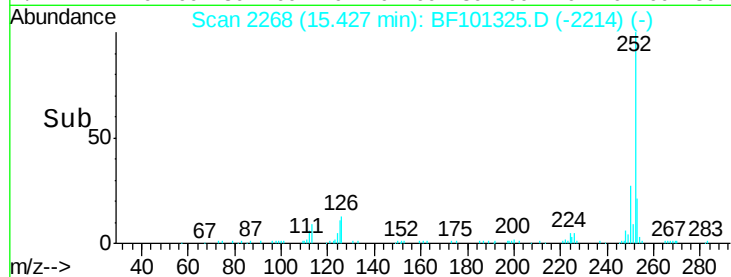
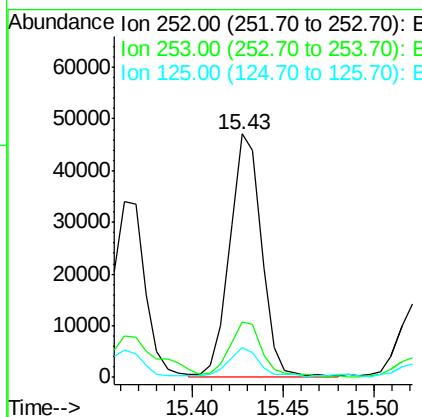
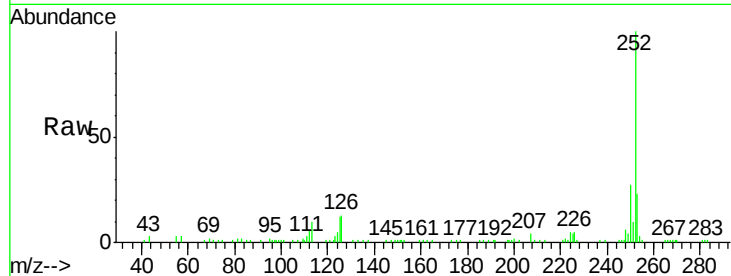
#89
Benzo(a)pyrene
Concen: 16.344 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.1	9.8	14.6

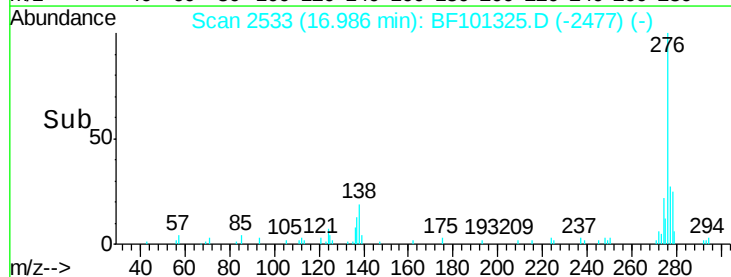
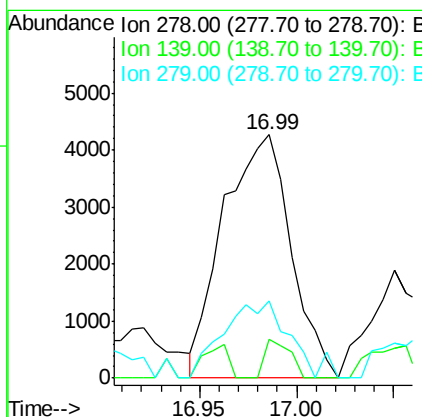
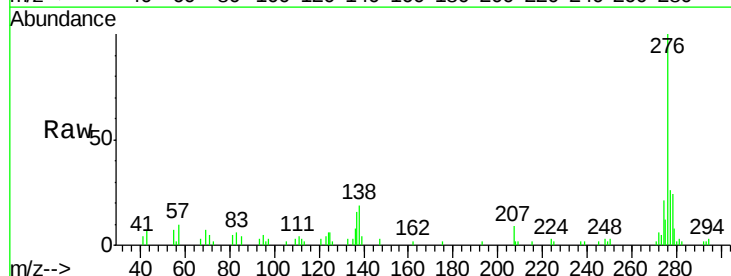
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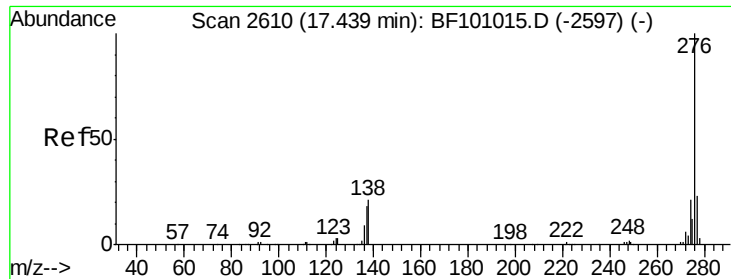
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#90
Dibenzo(a,h)anthracene
Concen: 3.313 ng m
RT: 16.99 min Scan# 2533
Delta R.T. 0.03 min
Lab File: BF101325.D
Acq: 12 Dec 2017 10:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	15.9	23.9#
279	31.5	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 12.330 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.04 min
 Lab File: BF101325.D
 Acq: 12 Dec 2017 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	21.2	21.8	32.8

Manual Integrations
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