

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101170.D
 Acq On : 6 Dec 2017 16:24
 Operator : SJ/JU
 Sample : I6675-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

Manual Integrations
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Sohil
 12/7/2017 11:35:44 AM

Quant Time: Dec 06 18:20:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	47032	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	185794	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	87317	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	164379	20.00	ng	0.00
75) Chrysene-d12	14.02	240	103914	20.00	ng	0.00
86) Perylene-d12	15.50	264	113457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	32783	11.52	ng	0.00
7) Phenol-d6	6.47	99	38877	11.25	ng	0.00
23) Nitrobenzene-d5	7.41	82	22751	7.30	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	9808	9.35	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	56220	8.81	ng	-0.01
78) Terphenyl-d14	12.95	244	50260	10.58	ng	-0.01
Target Compounds						
57) Fluorene	10.43	166	21762	3.323	ng	Qvalue 99
70) Phenanthrene	11.40	178	167205	18.471	ng	96
71) Anthracene	11.45	178	39910	4.356	ng	96
74) Fluoranthene	12.59	202	143773	14.328	ng	96
77) Pyrene	12.82	202	135523	18.900	ng	97
80) Benzo(a)anthracene	14.01	228	54674	8.333	ng	93
82) Chrysene	14.04	228	54786	8.991	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	26446	4.882	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	60632m	8.922	ng	
88) Benzo(k)fluoranthene	15.09	252	20757m	3.100	ng	
89) Benzo(a)pyrene	15.43	252	48096	7.785	ng	99
91) Benzo(a,h,i)perylene	17.43	276	26591	5.180	ng	# 90

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

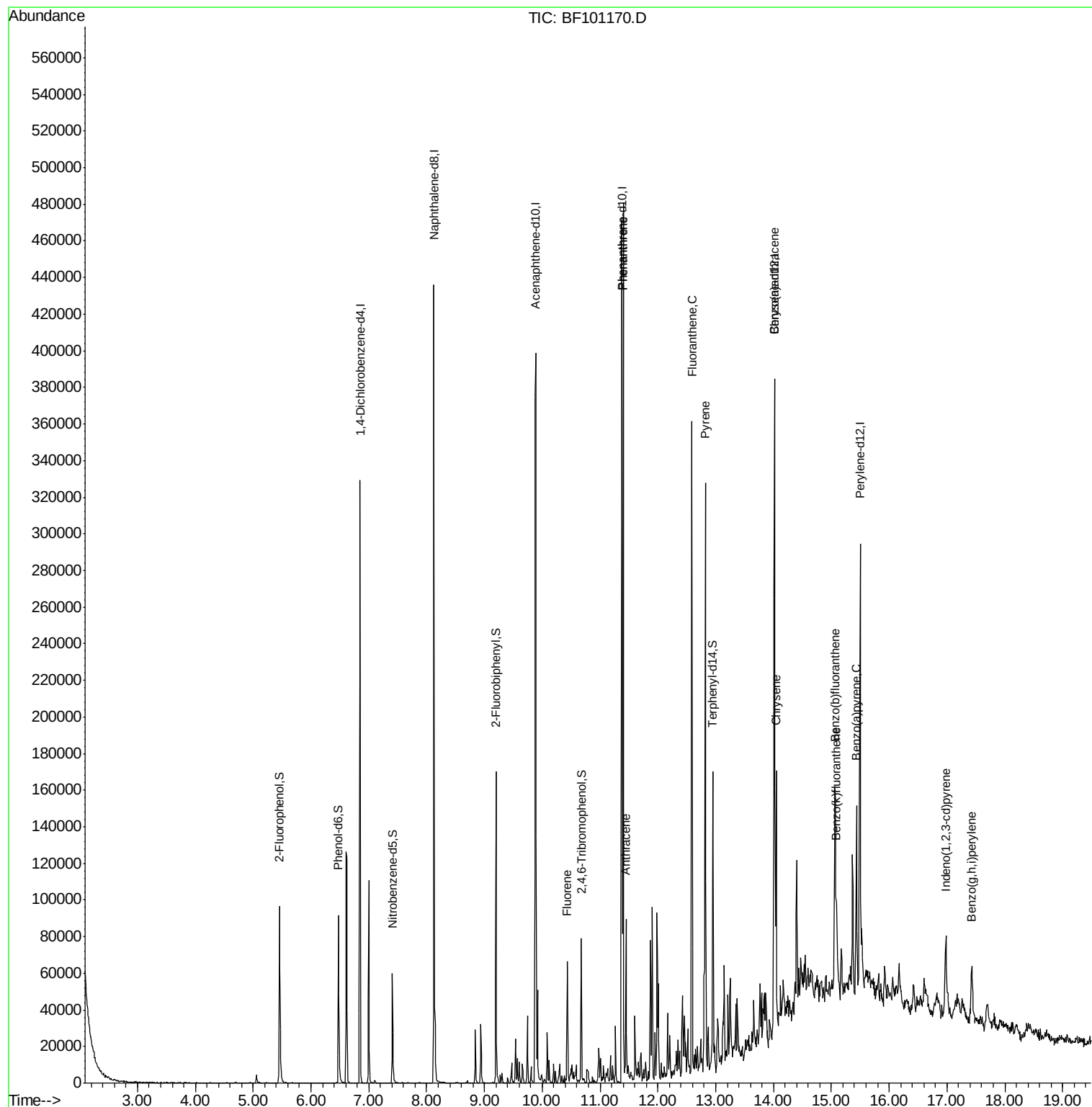
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
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Operator : SJ/JU
Sample : I6675-01 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

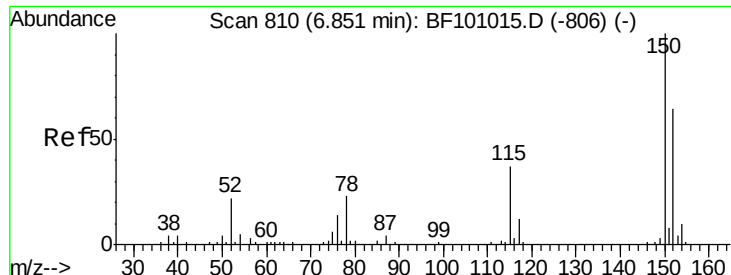
Instrument :
BNA_F
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SU-04-120517

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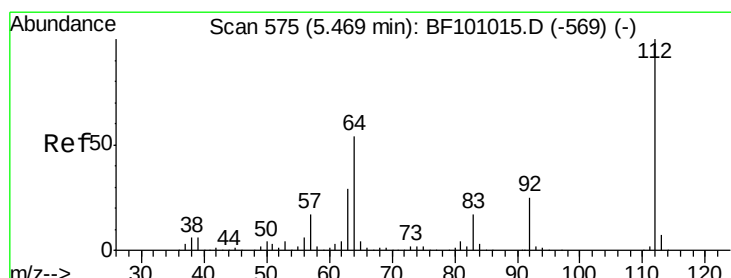
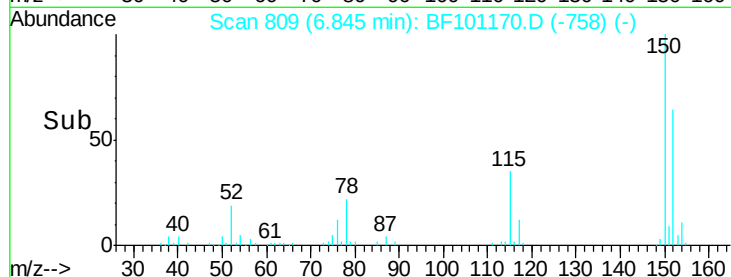
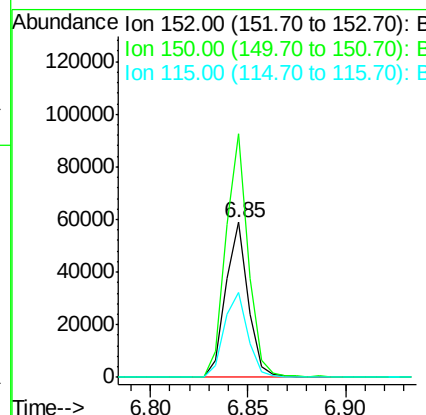
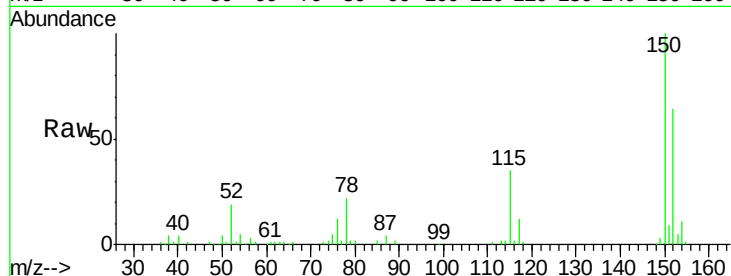
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	55.1	50.1	75.1

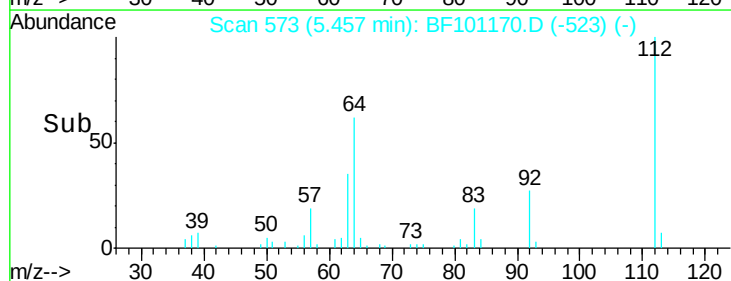
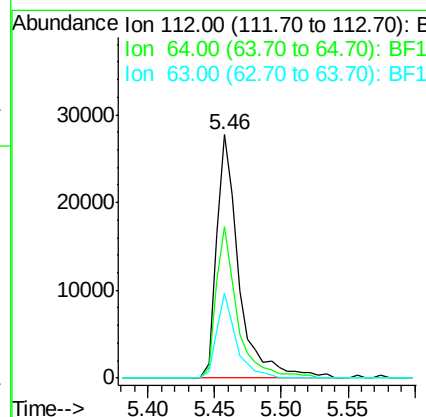
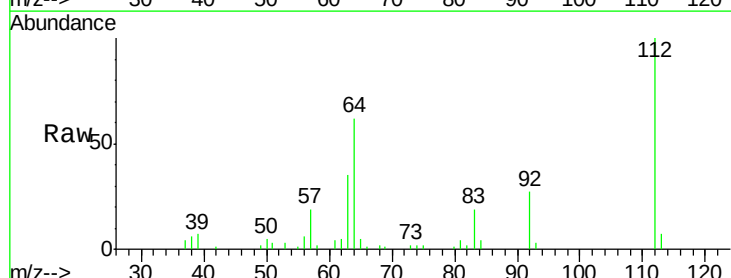
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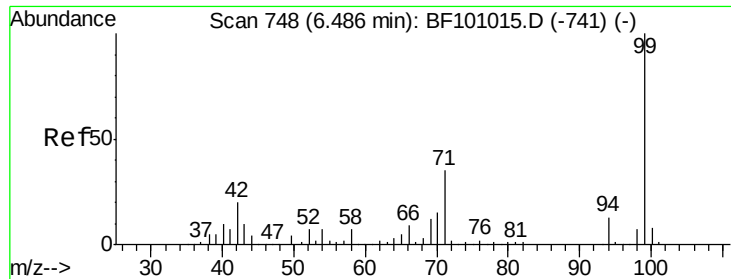
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#5
 2-Fluorophenol
 Concen: 11.518 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.9	71.9
63	34.7	23.7	35.5





#7

Phenol-d6

Concen: 11.251 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

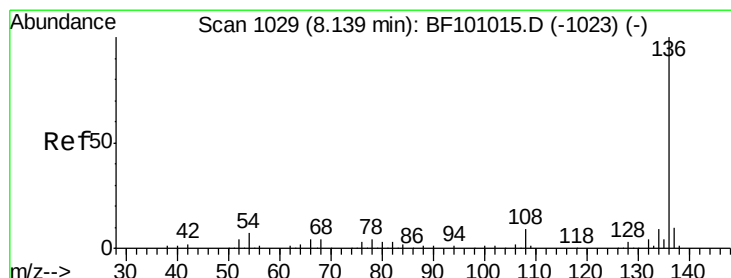
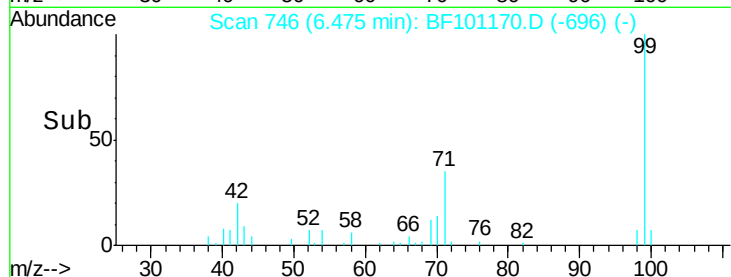
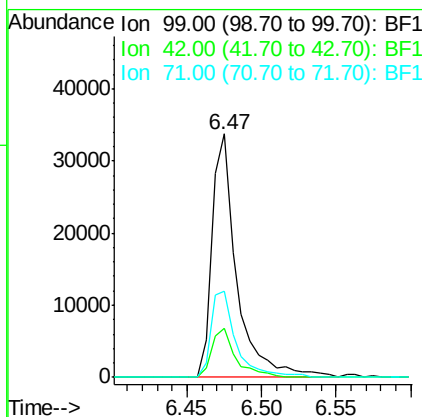
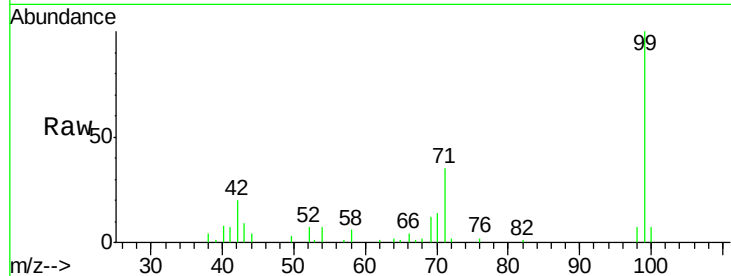
ClientSampleId :

SU-04-120517

Tot Ion:	99	Resp:	38877
Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	35.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

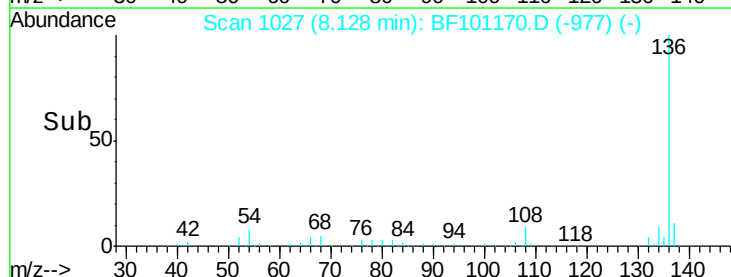
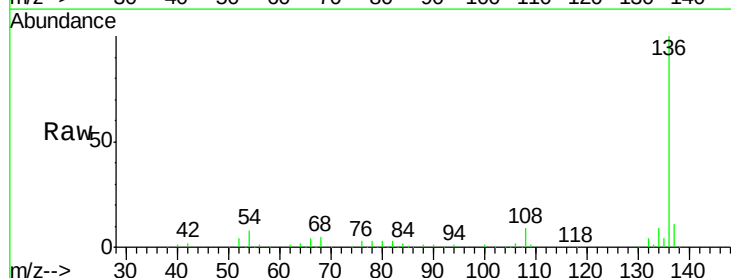
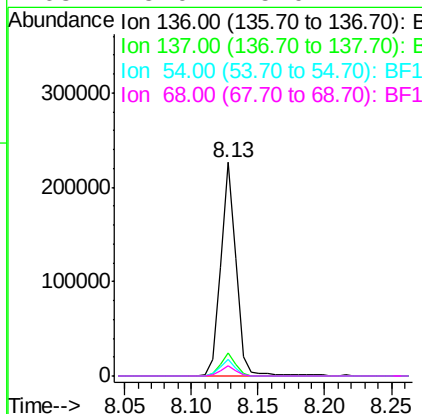
RT: 8.13 min Scan# 1027

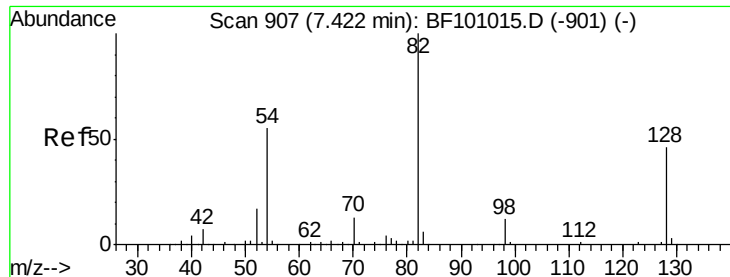
Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Tgt Ion:	136	Resp:	185794
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.6	6.6	9.8
68	5.0	5.0	7.4





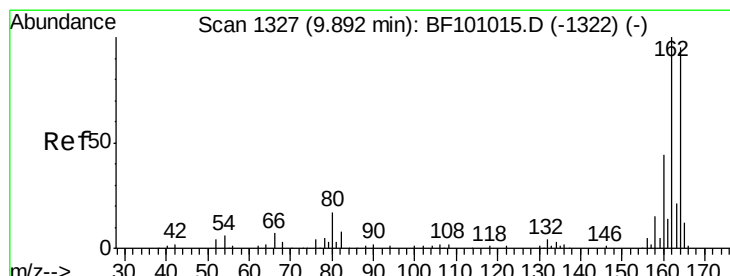
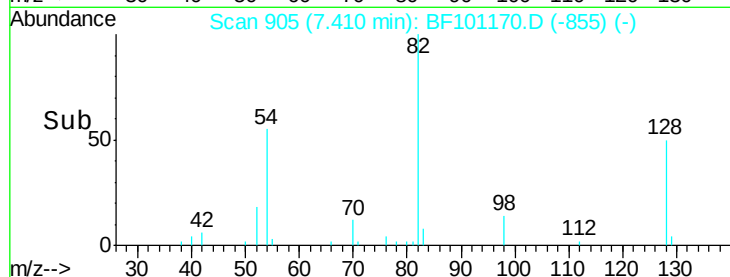
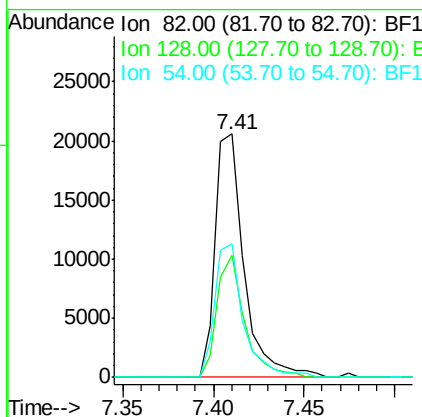
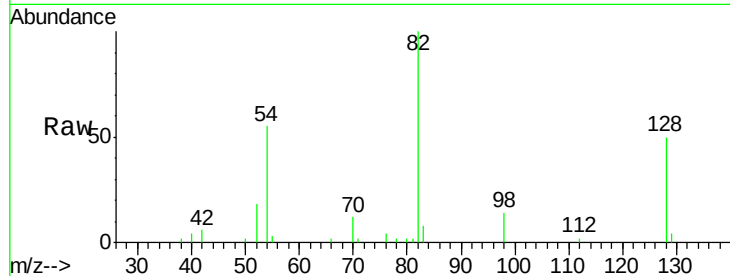
#23
Nitrobenzene-d5
Concen: 7.305 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Instrument :
BNA_F
ClientSampleId :
SU-04-120517

Tot Ion	82	Resp	22751
Ion Ratio	100	Lower	Upper
128	49.9	36.1	54.1
54	54.7	41.4	62.2

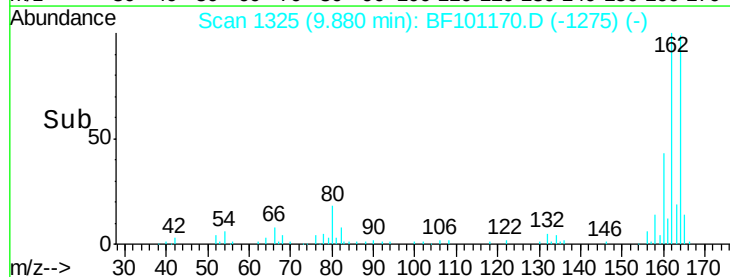
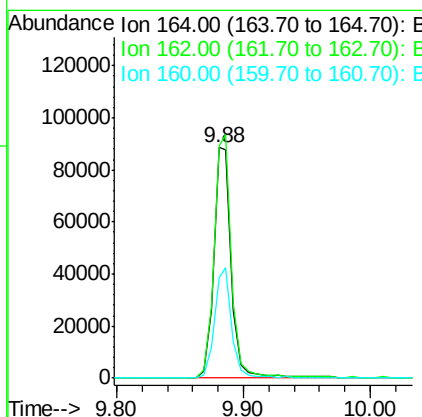
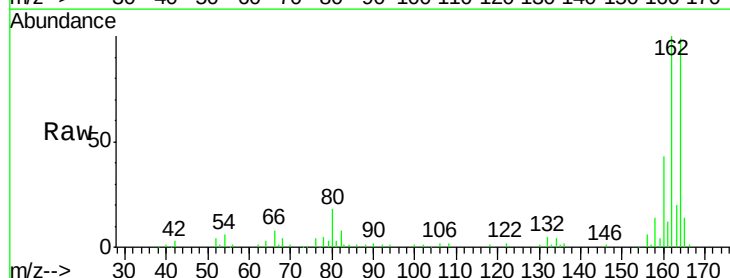
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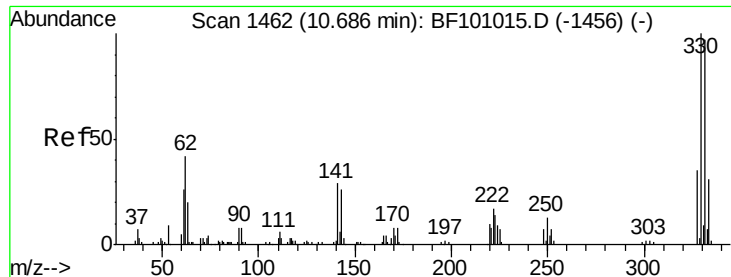
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion	164	Resp	87317
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	100.8	86.1	129.1
160	43.6	38.3	57.5





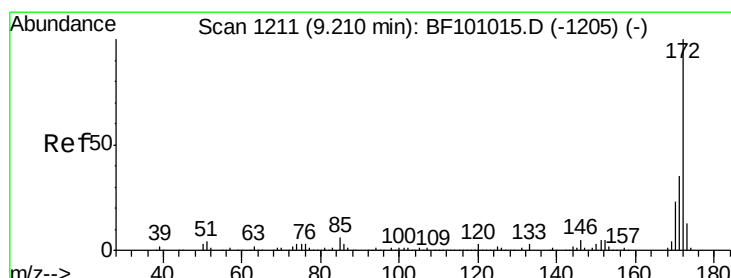
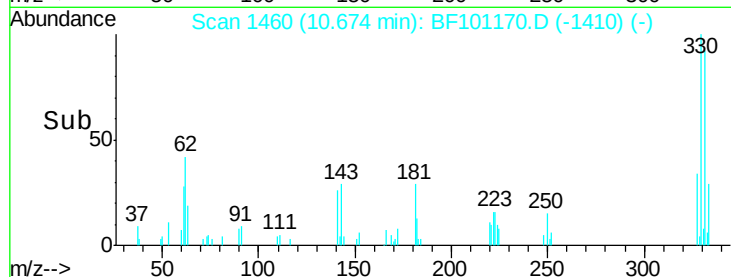
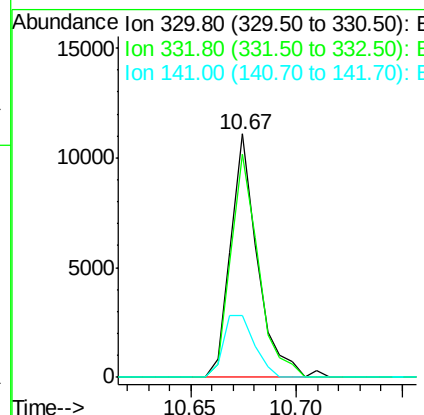
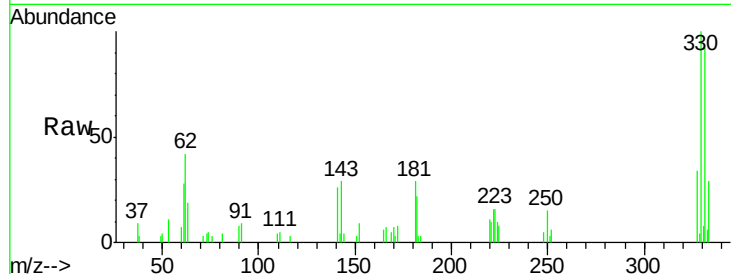
#41
 2,4,6-Tribromophenol
 Concen: 9.351 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

Tot Ion	Ratio	Resp	Lower	Upper
330	100	9808		
332	92.6		77.0	115.6
141	29.4		29.9	44.9#

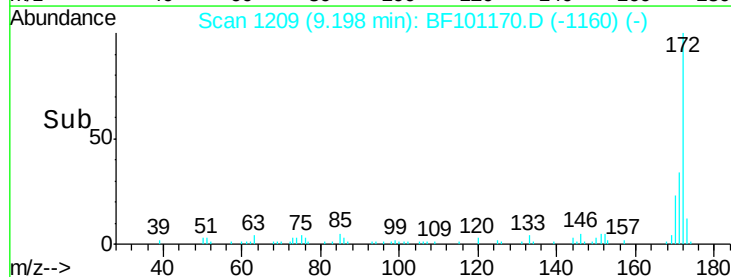
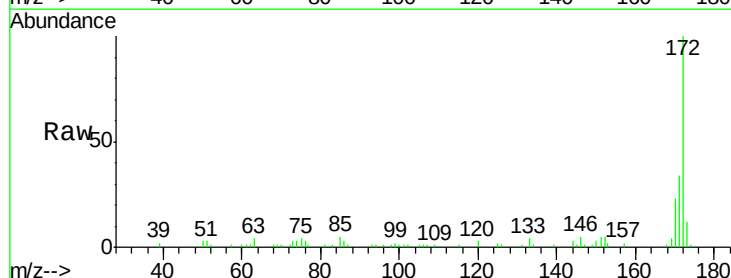
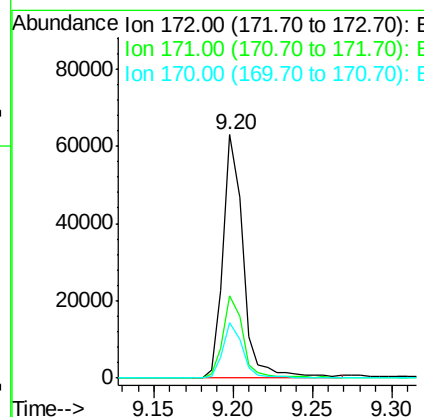
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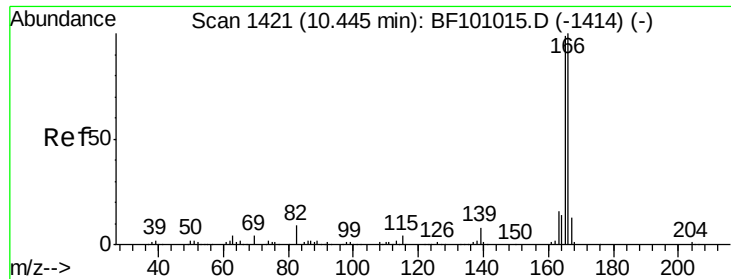
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#44
 2-Fluorobiphenyl
 Concen: 8.809 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	56220		
171	33.8		29.7	44.5
170	23.0		19.6	29.4





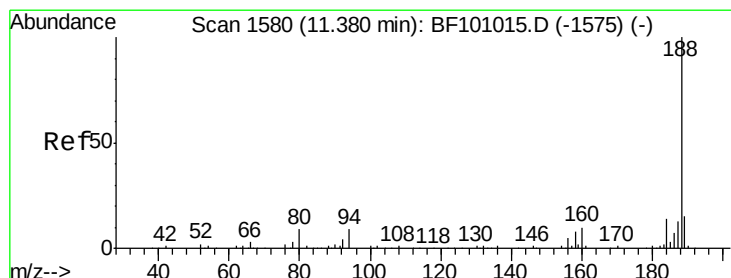
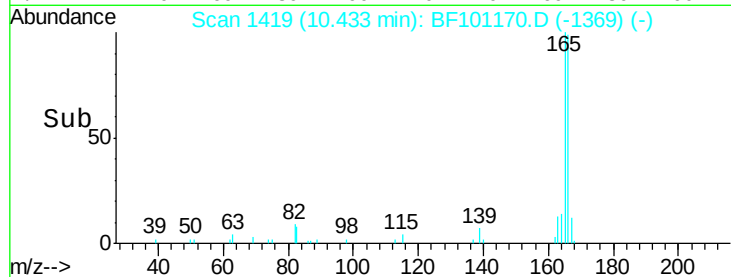
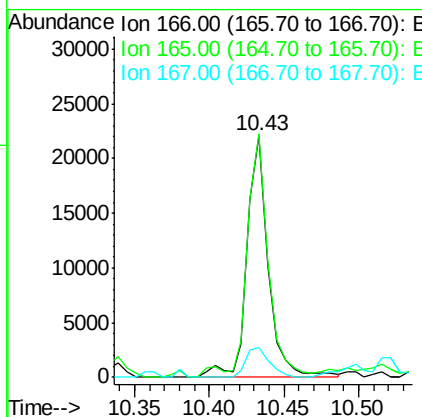
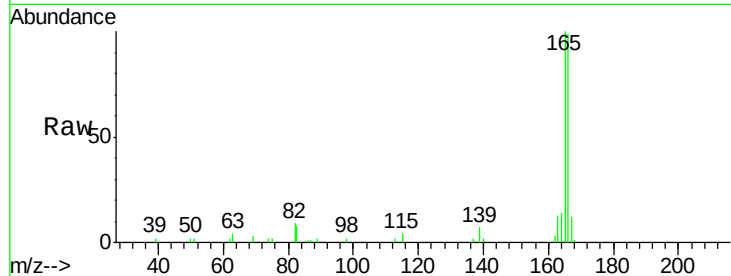
#57
 Fluorene
 Concen: 3.323 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.0	79.8	119.8		
167	12.2	10.6	16.0		

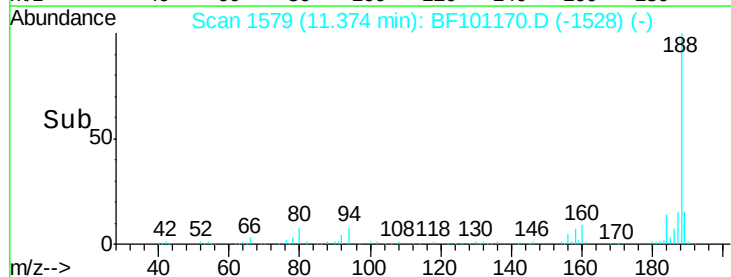
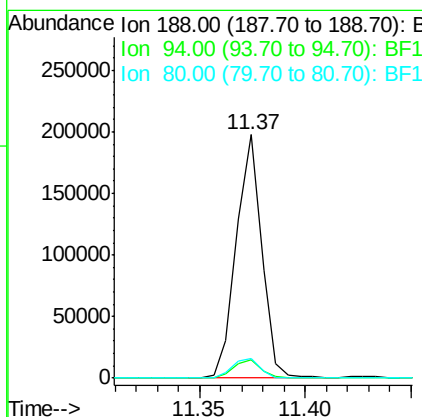
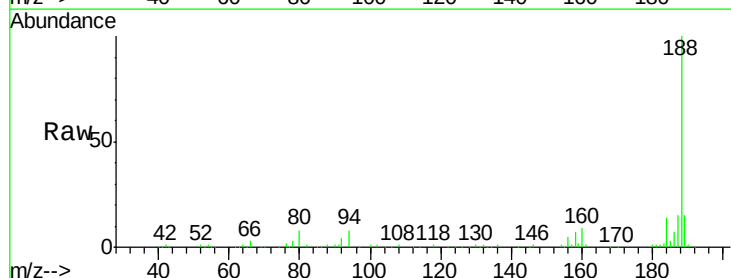
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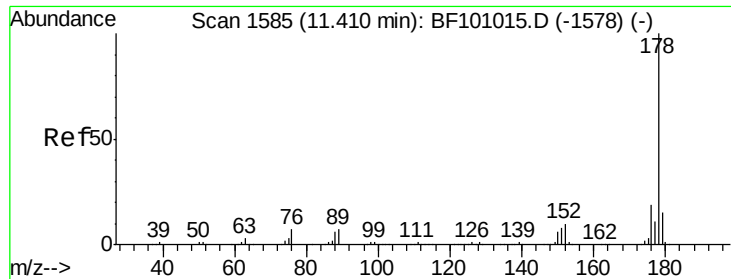
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.6	8.5	12.7#		
80	8.2	9.2	13.8#		





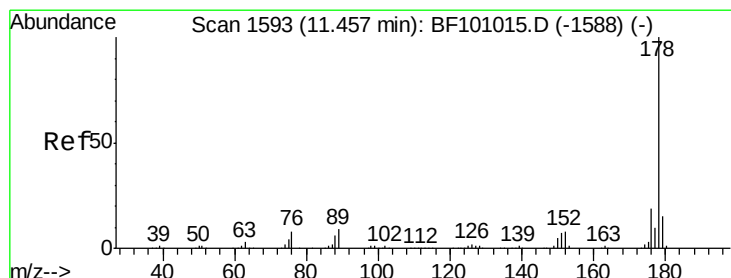
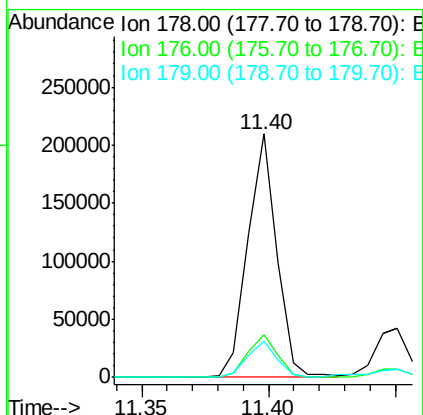
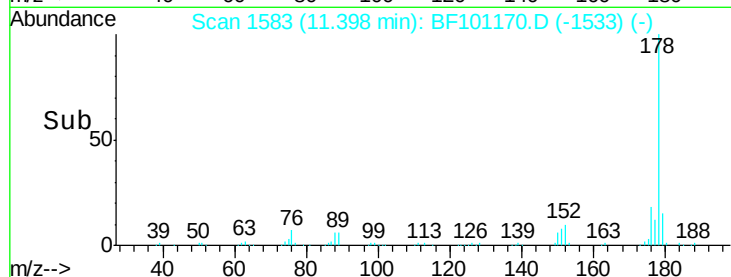
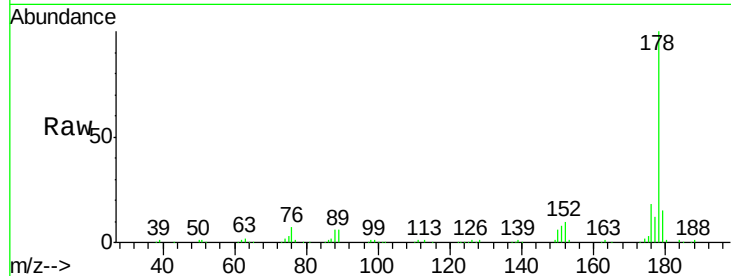
#70
Phenanthrene
Concen: 18.471 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Instrument :
BNA_F
ClientSampleId :
SU-04-120517

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.1	13.0	19.6

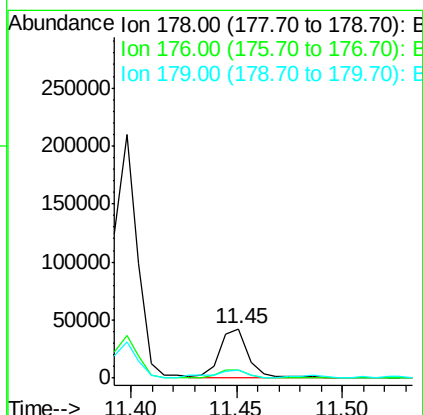
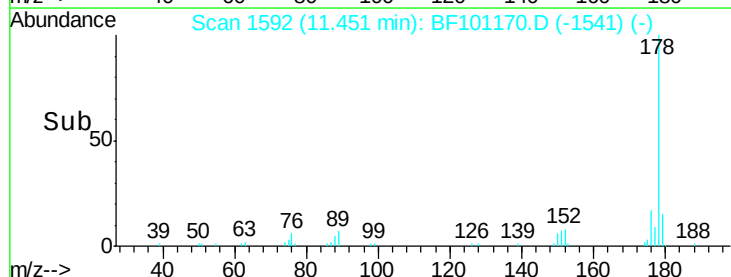
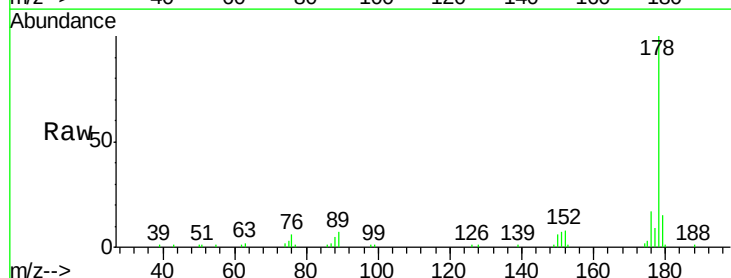
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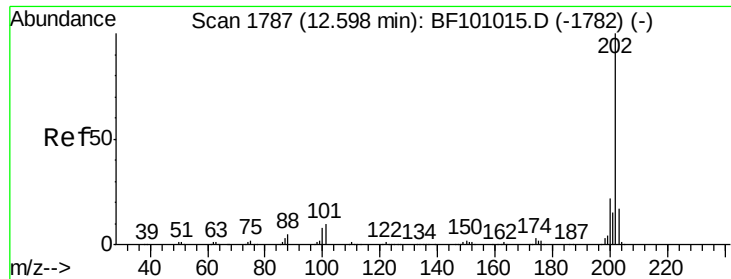
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#71
Anthracene
Concen: 4.356 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 14.328 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

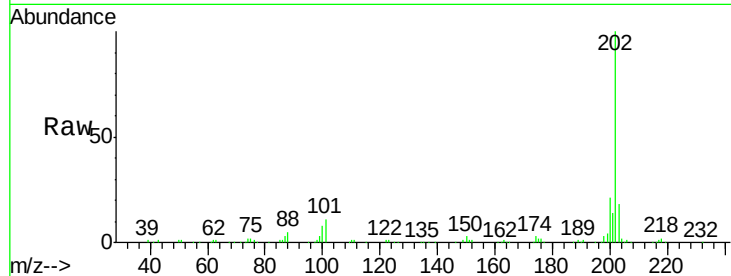
ClientSampleId :

SU-04-120517

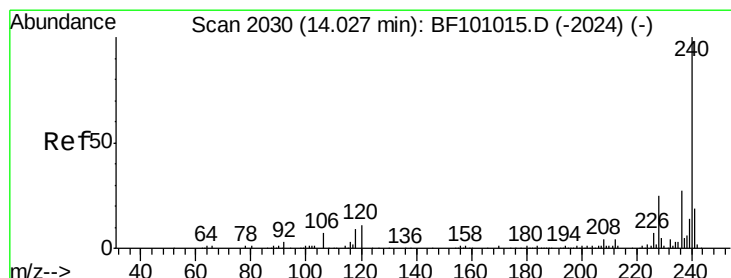
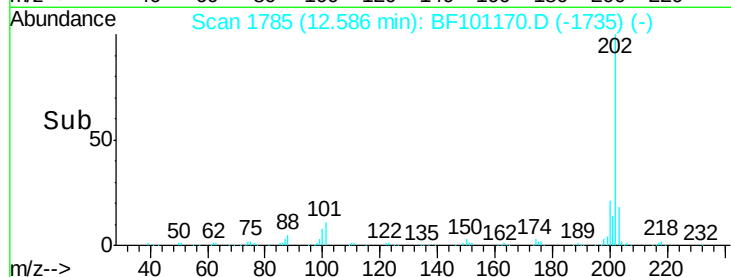
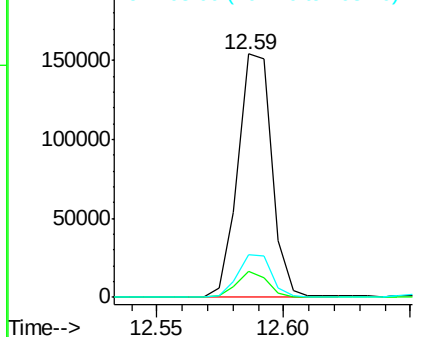
Tot Ion	Ratio	Resp	Lower	Upper
202	100	143773		
101	10.8	0.0	34.1	
203	17.8	0.0	38.1	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

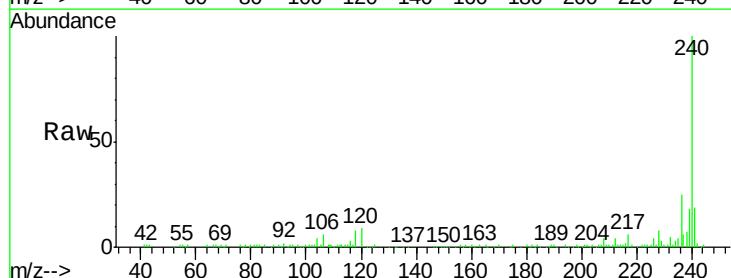
RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

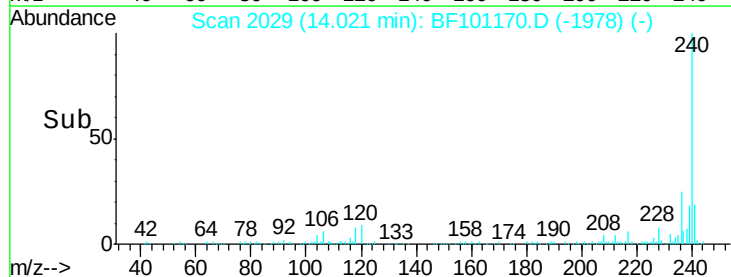
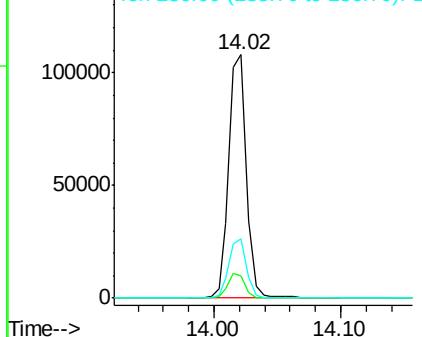
Lab File: BF101170.D

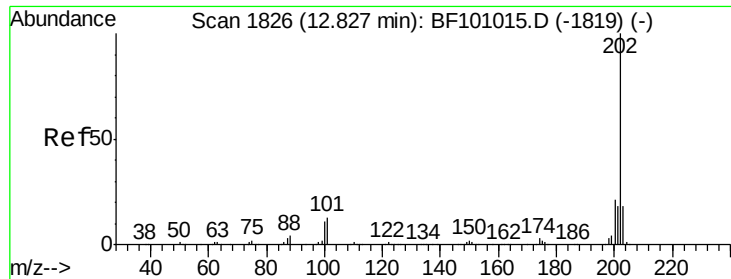
Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	103914		
120	9.1	9.5	14.3#	
236	24.6	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





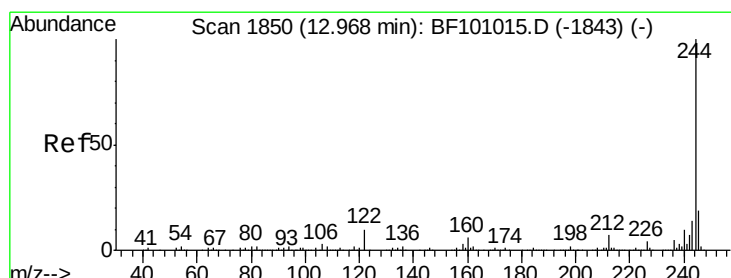
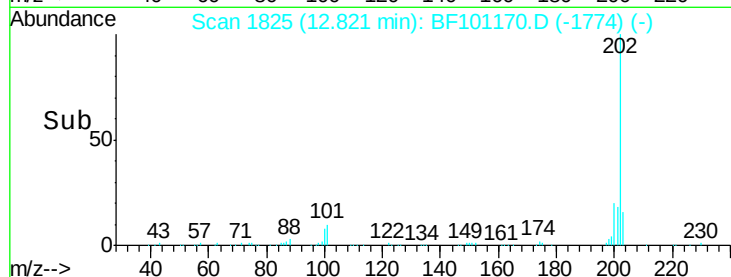
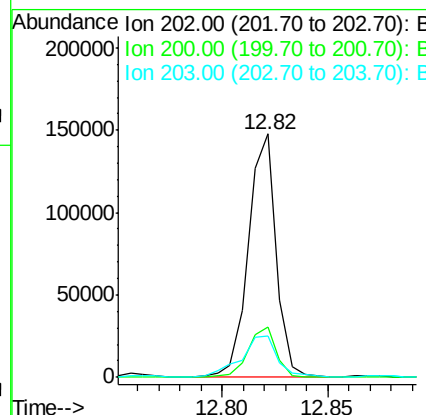
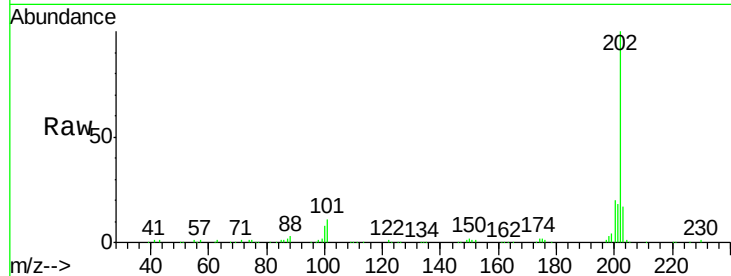
#77
Pvrene
Concen: 18.900 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Instrument :
BNA_F
ClientSampleId :
SU-04-120517

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.9	14.3	21.5

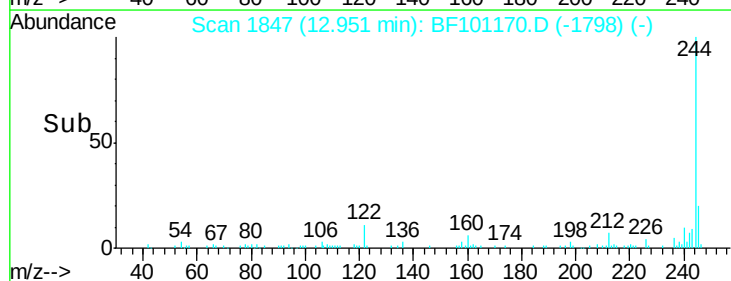
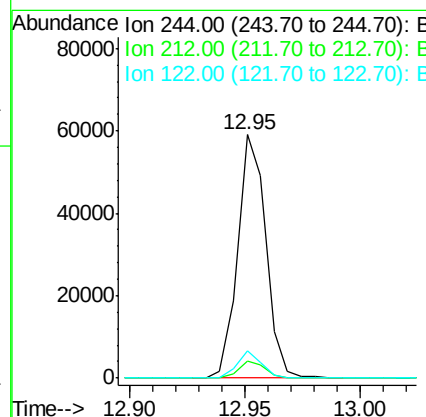
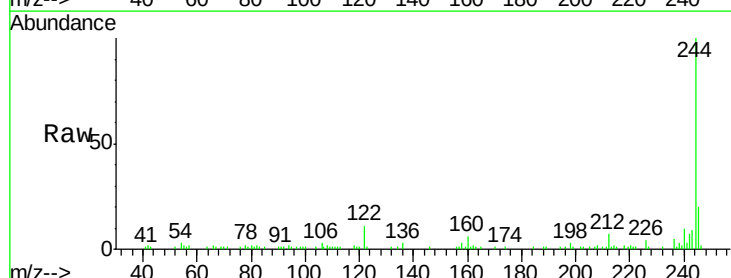
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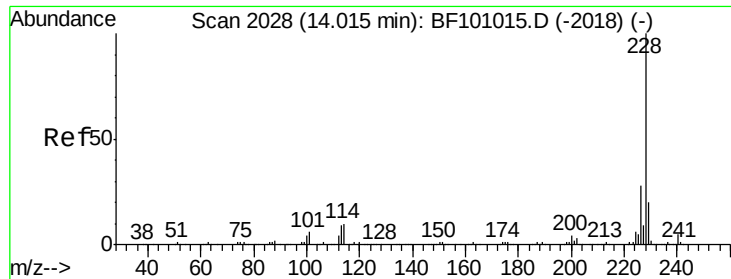
Sohil
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#78
Terphenyl-d14
Concen: 10.579 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.1	11.0	16.4





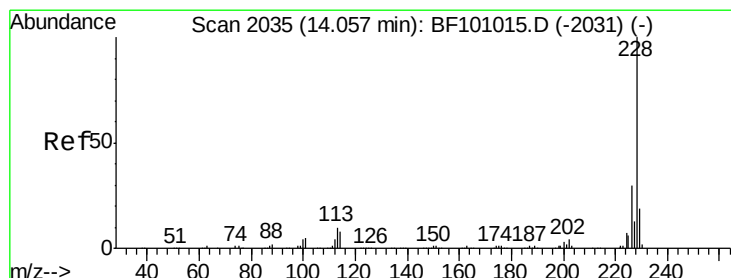
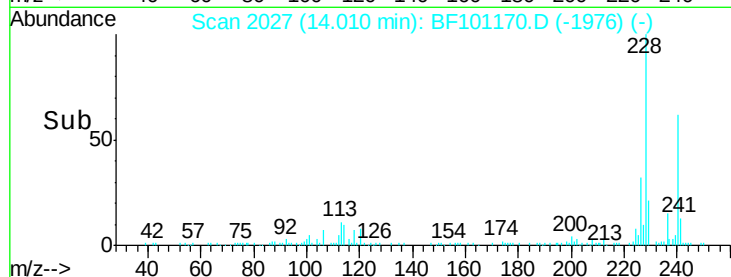
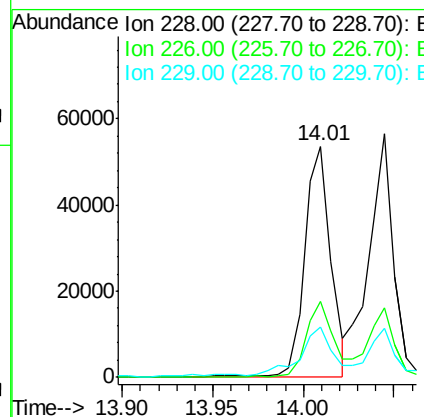
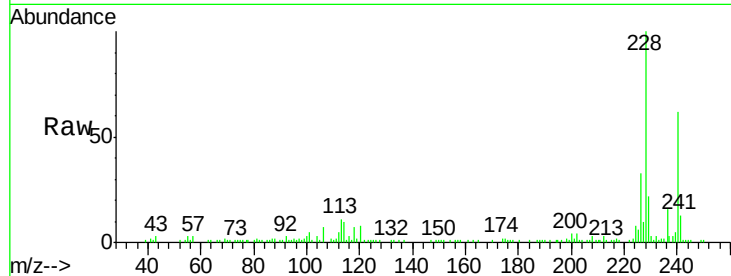
#80
Benzo(a)anthracene
Concen: 8.333 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Instrument :
BNA_F
ClientSampleId :
SU-04-120517

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	21.8	15.8	23.6

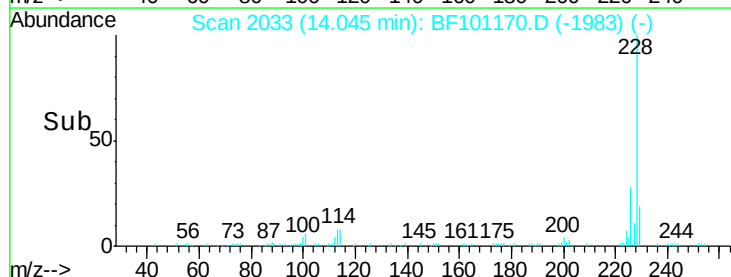
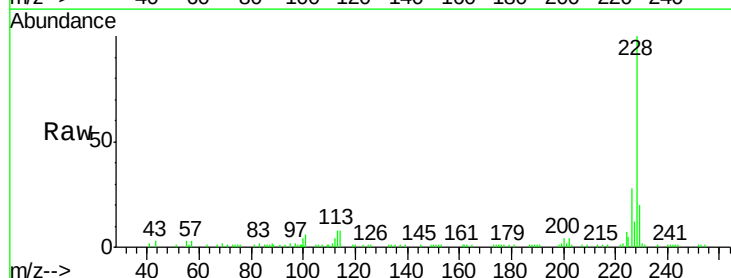
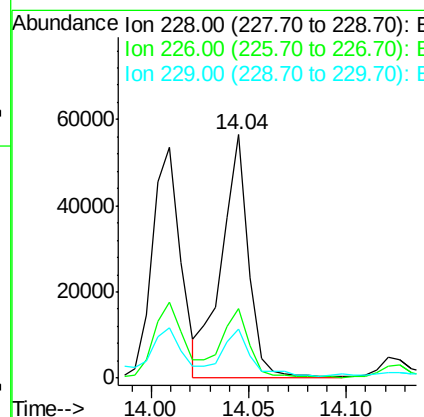
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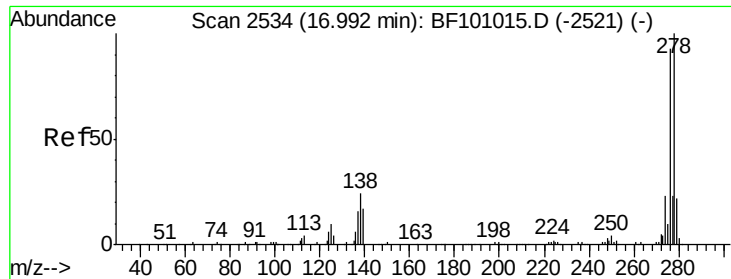
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#82
Chrysene
Concen: 8.991 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.0	37.6
229	20.1	16.2	24.4





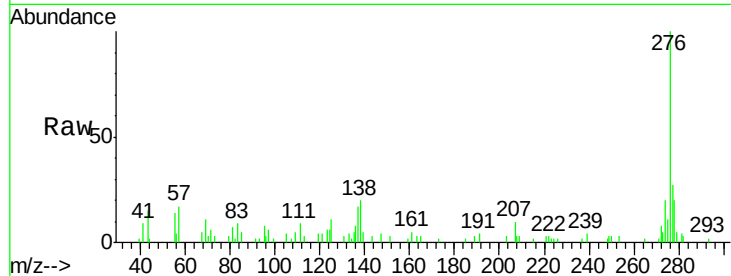
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.882 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

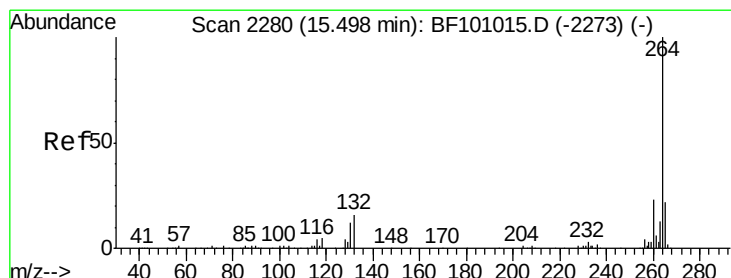
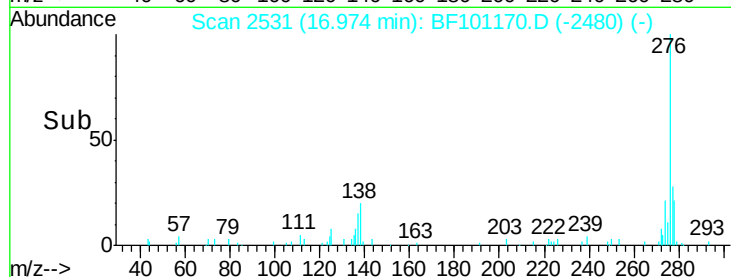
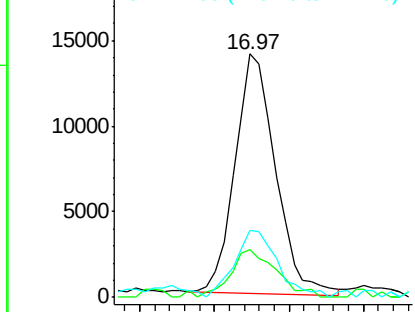
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	25.0	37.6#
277	29.5	20.1	30.1

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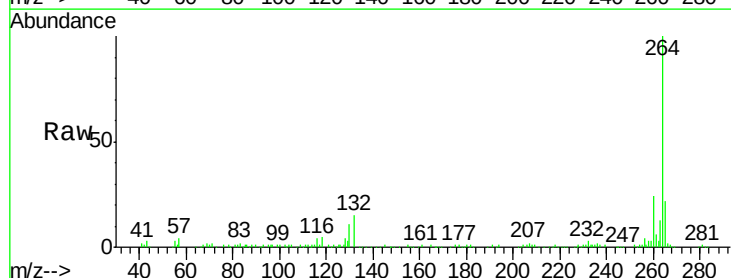


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

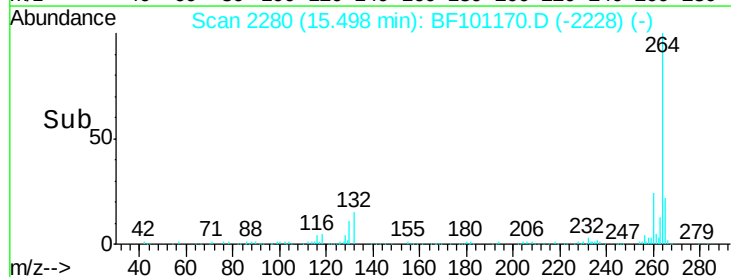
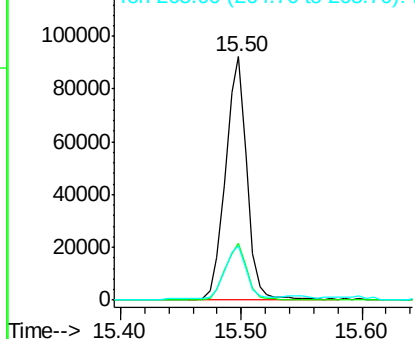


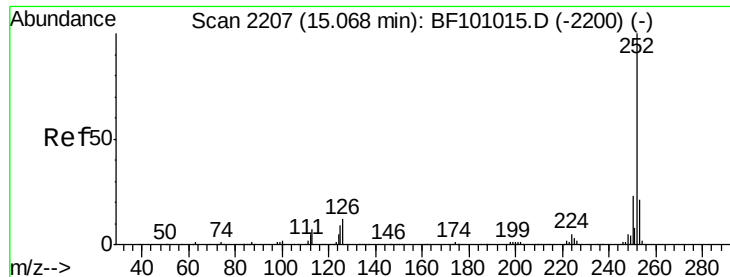
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	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: 8.922 ng m

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

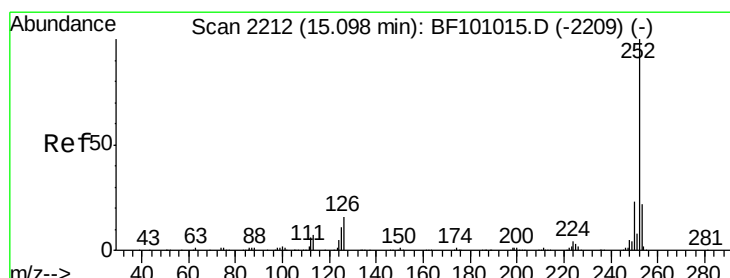
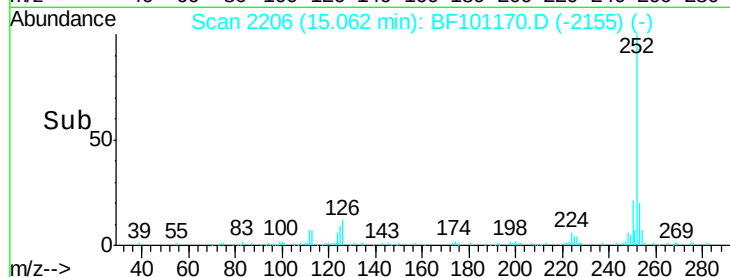
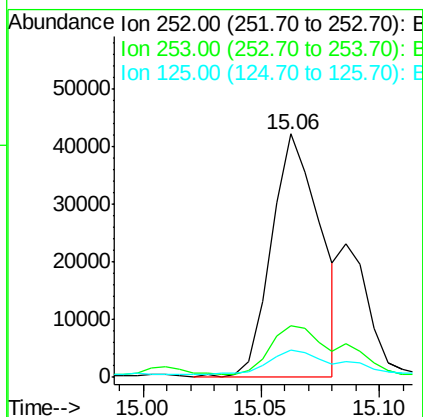
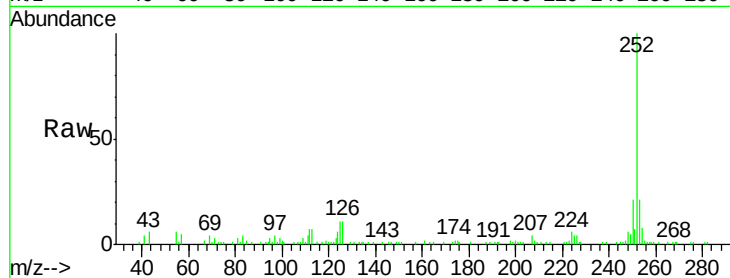
ClientSampleId :

SU-04-120517

Tot Ion:	252	Resp:	60632
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.0	25.6
125	11.0	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.100 ng m

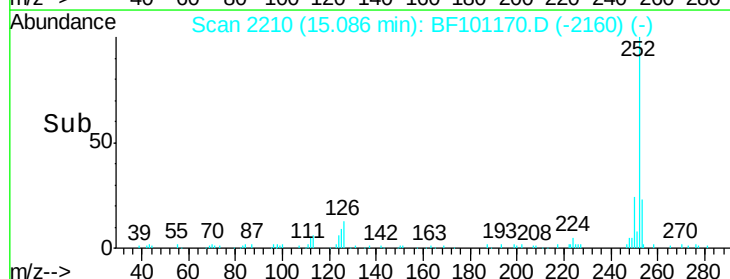
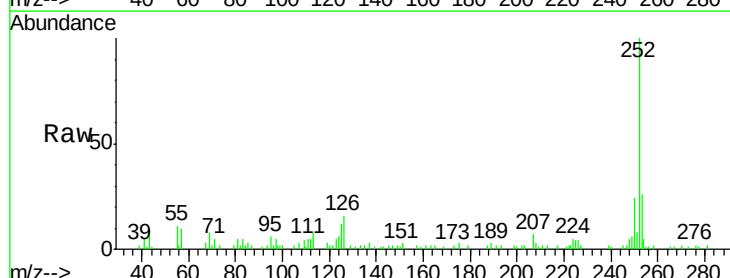
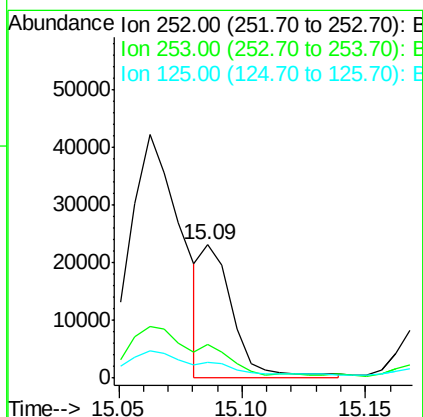
RT: 15.09 min Scan# 2210

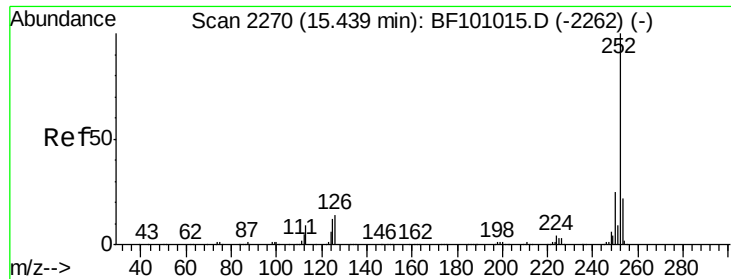
Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Tgt Ion:	252	Resp:	20757
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	12.1	10.2	15.2





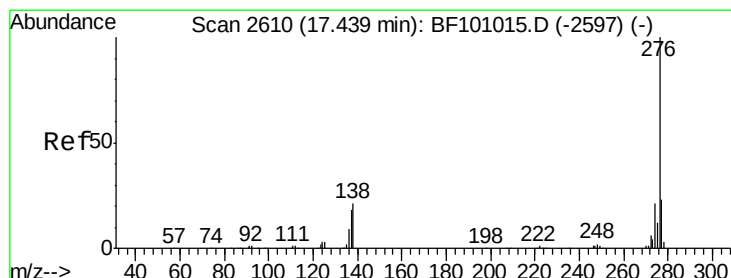
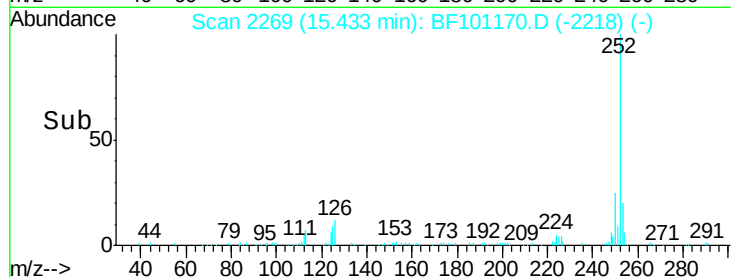
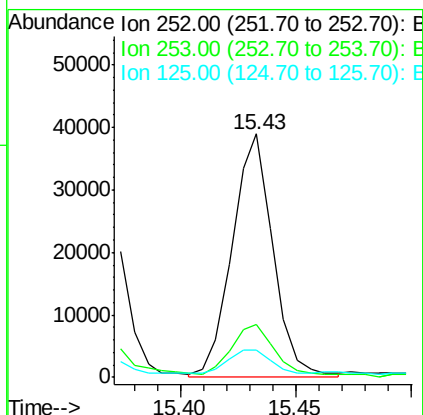
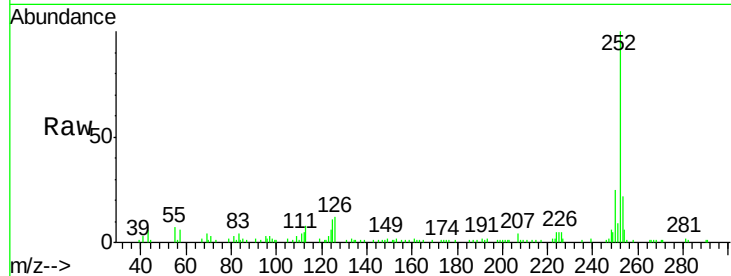
#89
Benzo(a)pyrene
Concen: 7.785 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Instrument :
BNA_F
ClientSampled :
SU-04-120517

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	11.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.180 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	20.4	21.8	32.8#

