

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096985.D
 Acq On : 24 Jul 2017 12:25
 Operator : SJ/JU
 Sample : I4370-04 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Manual Integrations
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Quant Time: Jul 24 14:30:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 14:10:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	133336	20.00	ng	0.00
21) Naphthalene-d8	7.82	136	500823	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	219816	20.00	ng	0.00
63) Phenanthrene-d10	11.04	188	356781	20.00	ng	0.00
75) Chrysene-d12	13.67	240	222205	20.00	ng	-0.01
86) Perylene-d12	15.03	264	196546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	233283	26.31	ng	0.00
7) Phenol-d6	6.20	99	292345	27.47	ng	-0.01
23) Nitrobenzene-d5	7.10	82	158514	19.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	50230	26.77	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	288146	20.71	ng	-0.01
78) Terphenyl-d14	12.63	244	200833	15.67	ng	0.00
Target Compounds						
70) Phenanthrene	11.07	178	235757	12.153	ng	98
71) Anthracene	11.12	178	45734	2.332	ng	98
74) Fluoranthene	12.25	202	367482	19.790	ng	99
77) Pyrene	12.47	202	333960	16.560	ng	99
80) Benzo(a)anthracene	13.66	228	108052	7.804	ng	95
82) Chrysene	13.70	228	102397	7.513	ng	97
85) Indeno(1,2,3-cd)pyrene	16.28	276	53566	7.398	ng	97
87) Benzo(b)fluoranthene	14.66	252	112539m	9.494	ng	
88) Benzo(k)fluoranthene	14.69	252	31037m	2.765	ng	
89) Benzo(a)pyrene	14.97	252	79506	7.313	ng	# 94
91) Benzo(g,h,i)perylene	16.66	276	51893	4.844	ng	98

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

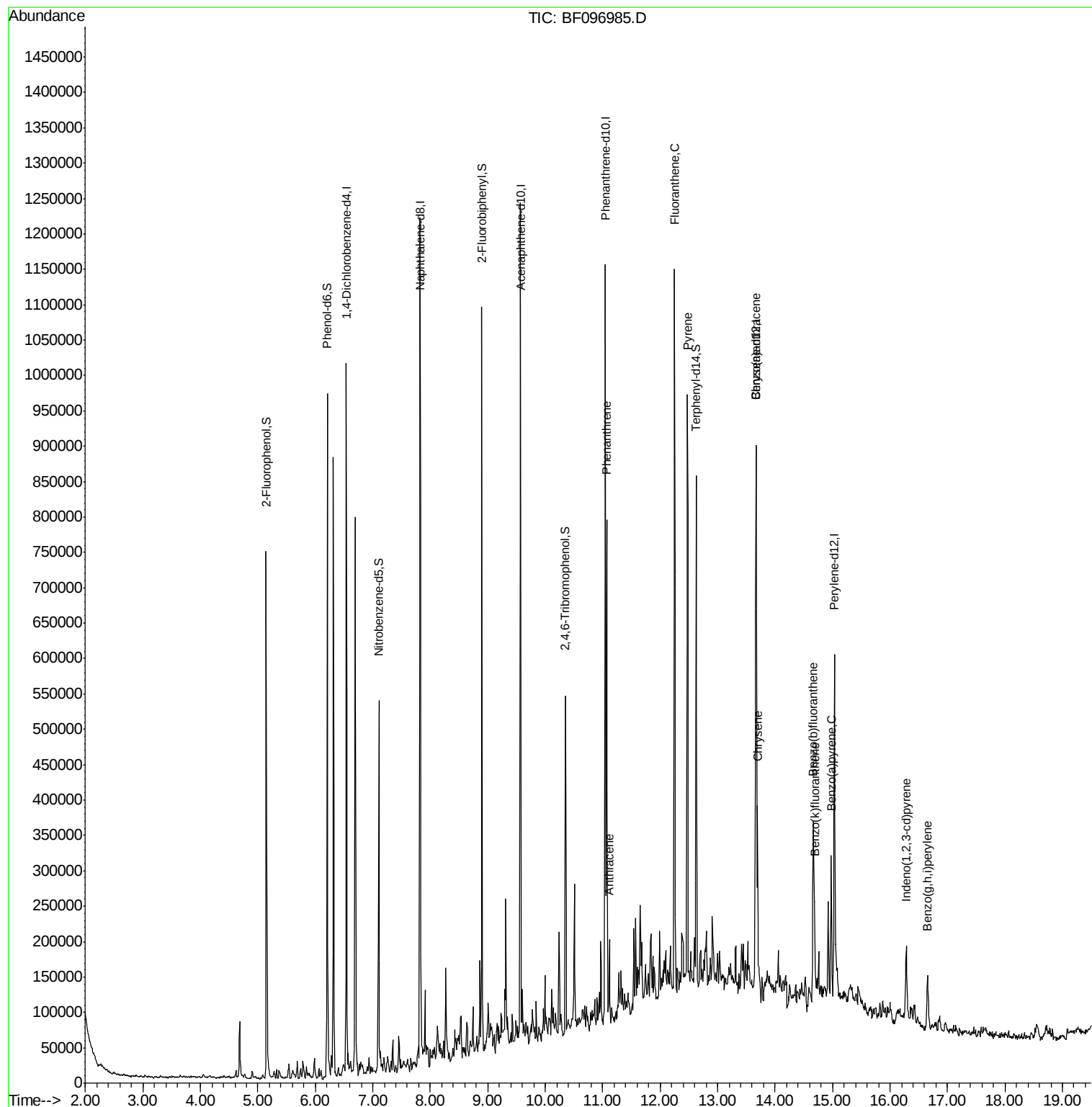
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096985.D
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Operator : SJ/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

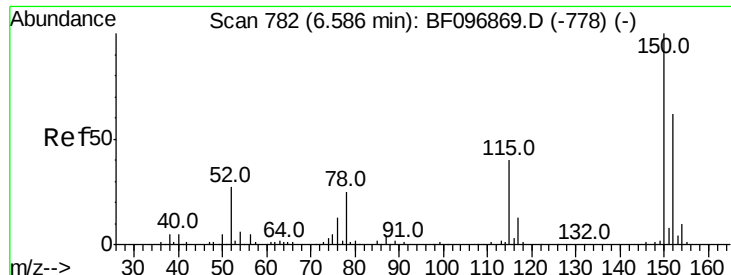
Instrument :
BNA_F
ClientSampleID :
E2-N5-SWSW

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#1

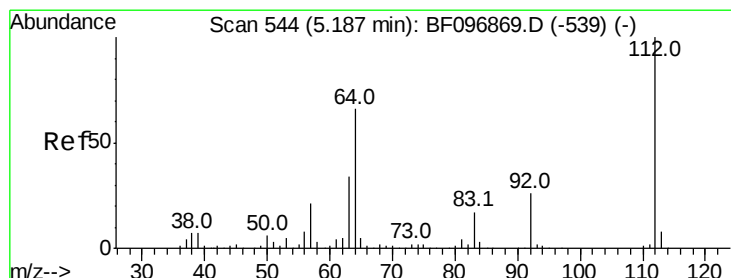
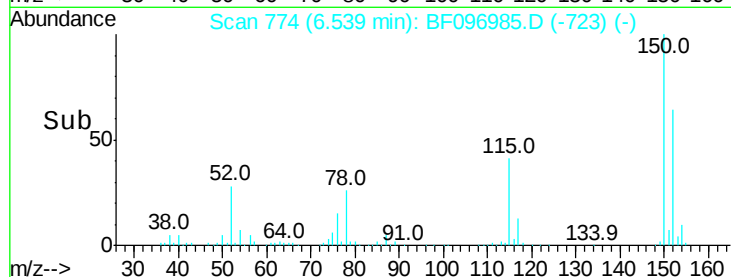
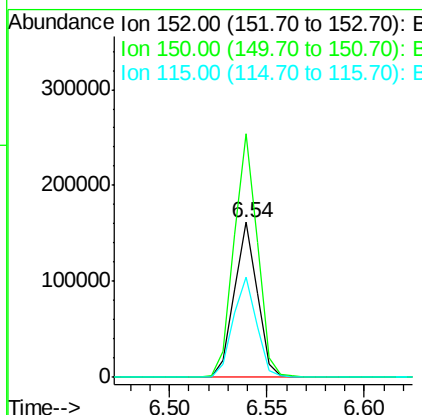
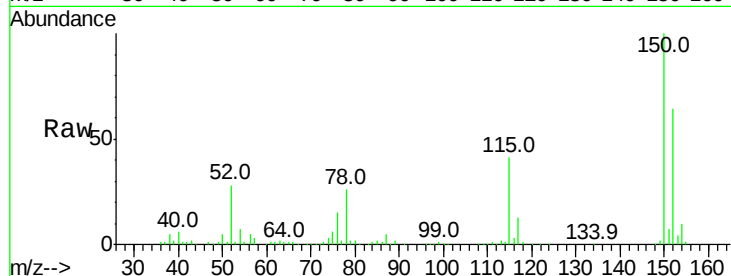
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.54 min Scan# 774
Delta R.T. -0.00 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	64.6	52.2	78.2

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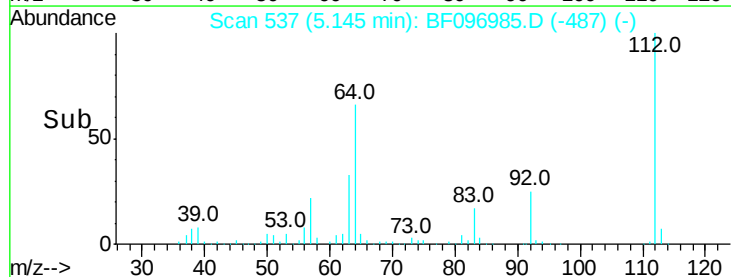
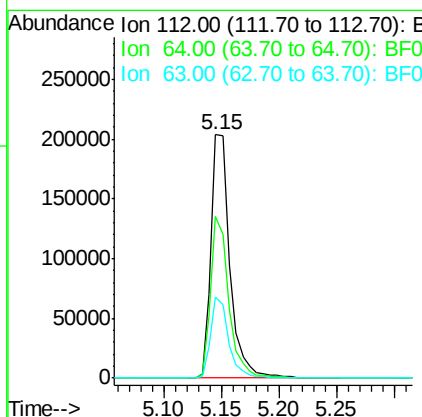
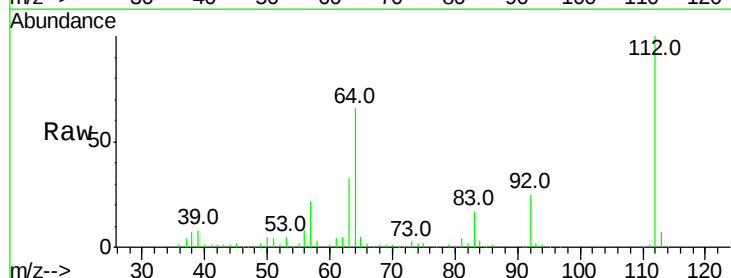
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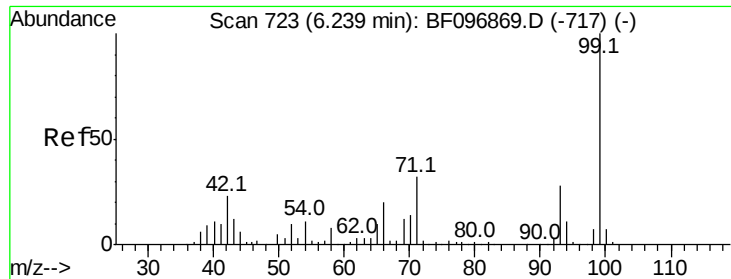


#5

2-Fluorophenol
Concen: 26.307 ng
RT: 5.15 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 27.472 ng

RT: 6.20 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Instrument :

BNA_F

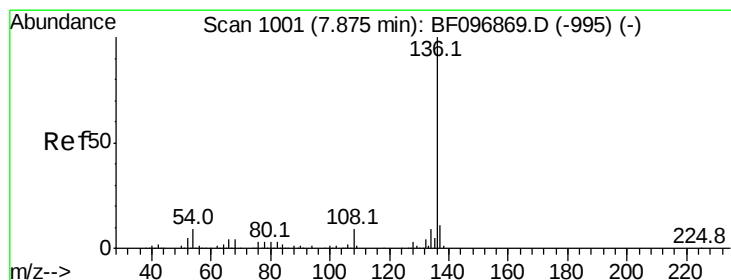
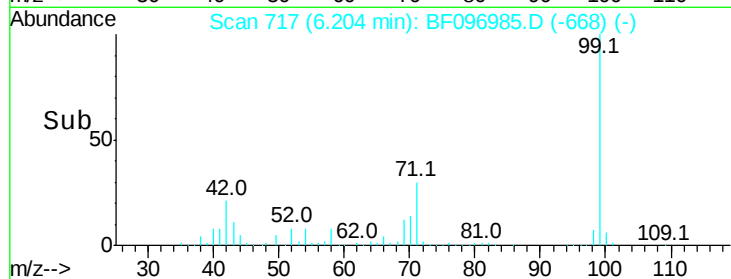
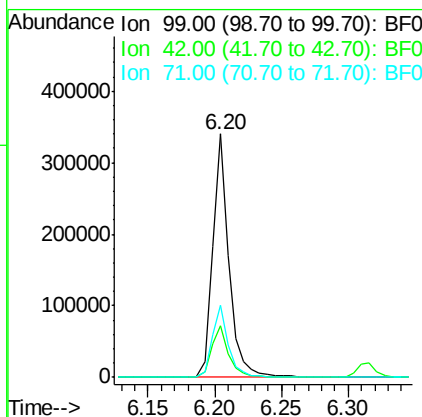
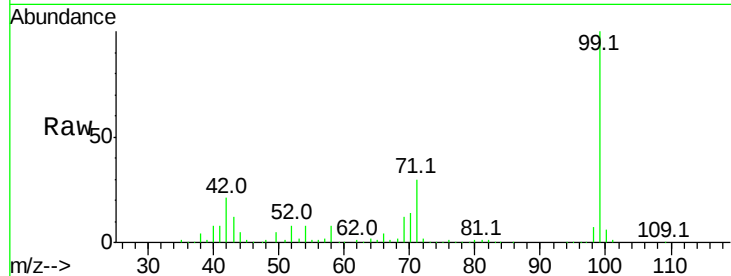
ClientSampled :

E2-N5-SWSW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		292345		
42	21.1	13.5	20.3#		
71	29.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

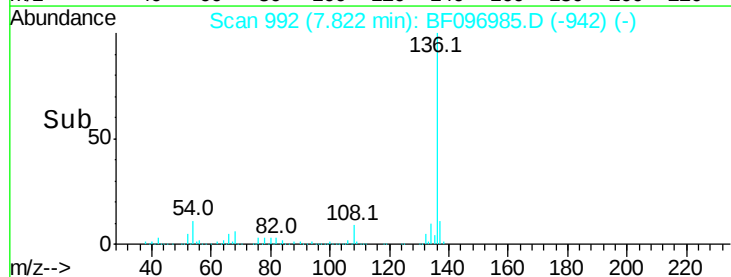
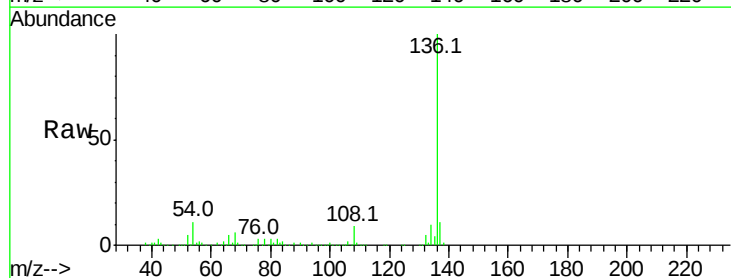
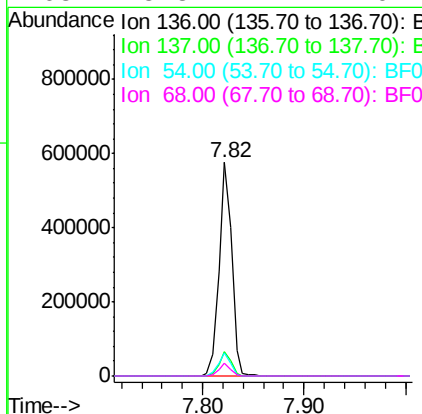
RT: 7.82 min Scan# 992

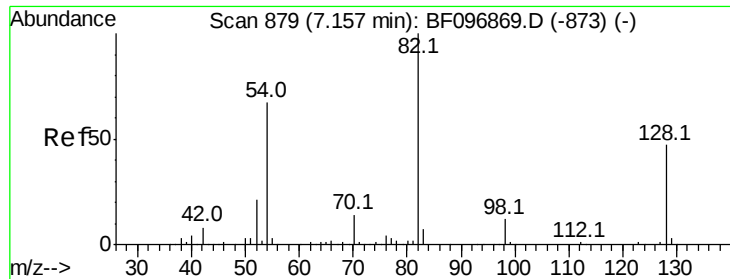
Delta R.T. -0.01 min

Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		500823		
137	11.4	8.5	12.7		
54	11.0	4.9	7.3#		
68	5.8	4.1	6.1		





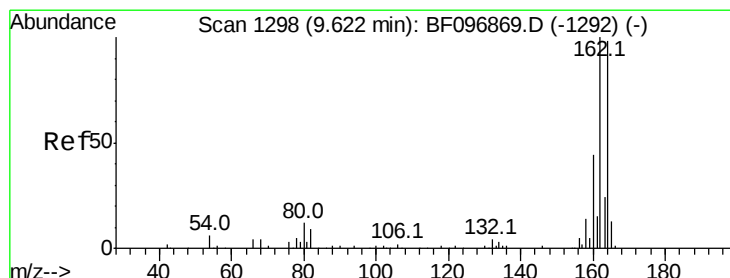
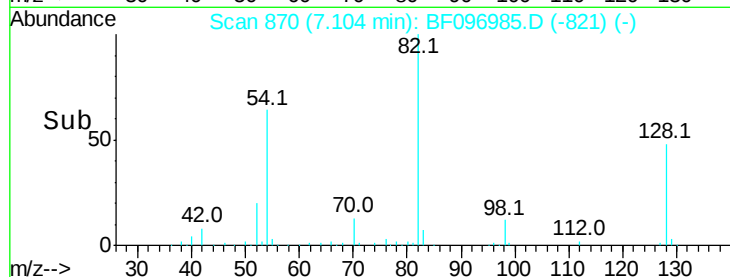
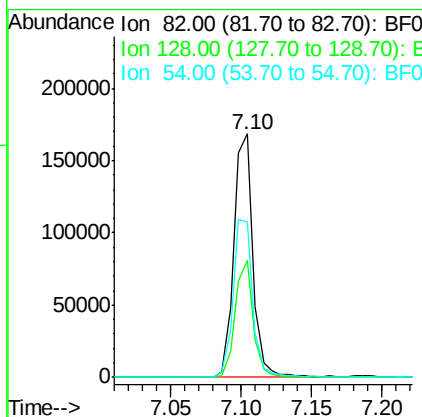
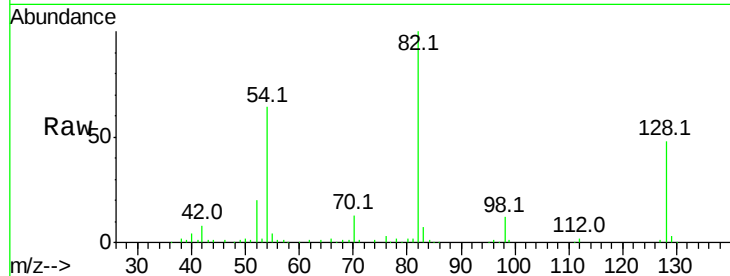
#23
Nitrobenzene-d5
Concen: 19.605 ng
RT: 7.10 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	63.7	42.2	63.2

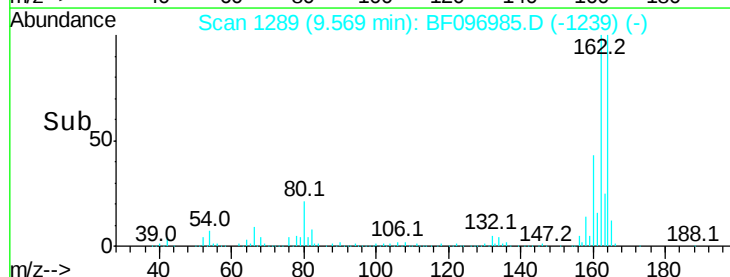
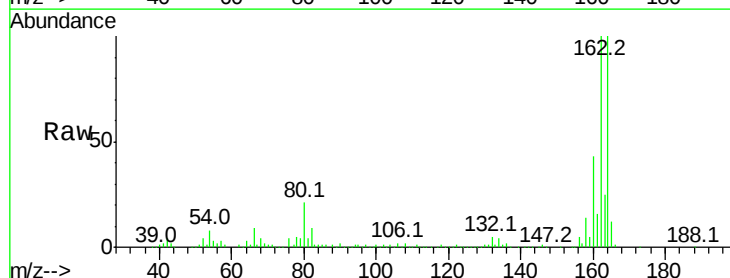
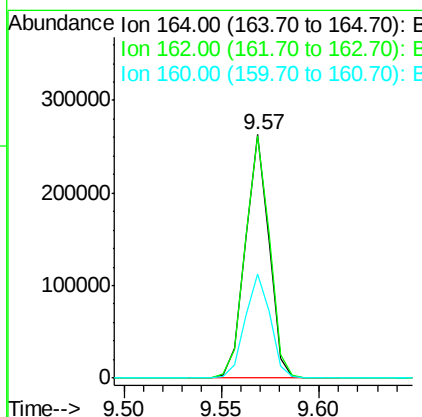
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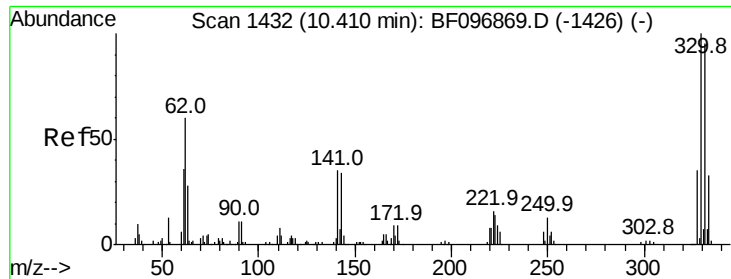
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	82.6	123.8
160	42.9	36.2	54.2





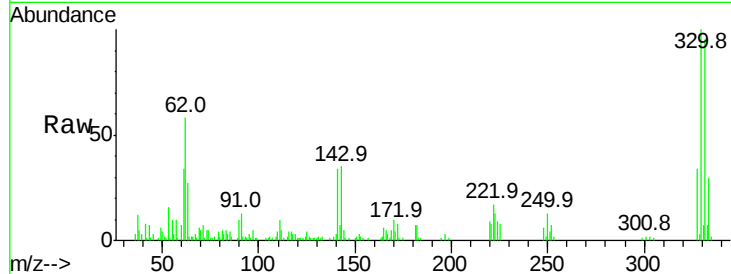
#41
 2,4,6-Tribromophenol
 Concen: 26.771 ng
 RT: 10.36 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

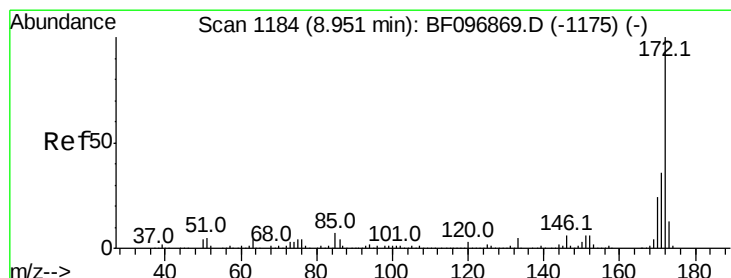
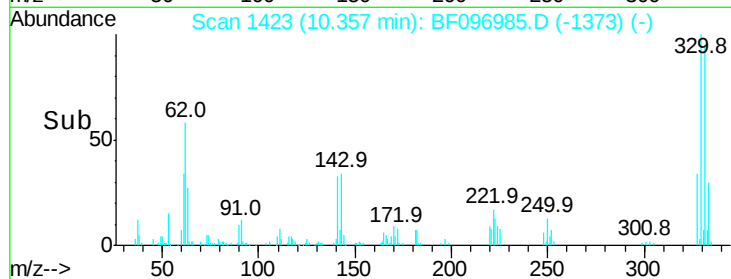
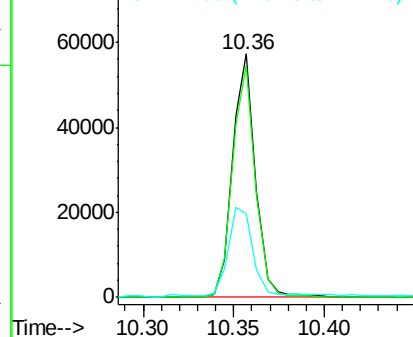
Tot Ion	Ratio	Resp	Lower	Upper
330	100	50230		
332	95.6		76.6	115.0
141	44.9		31.4	47.2

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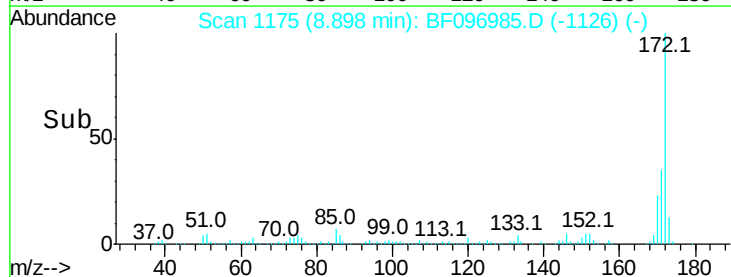
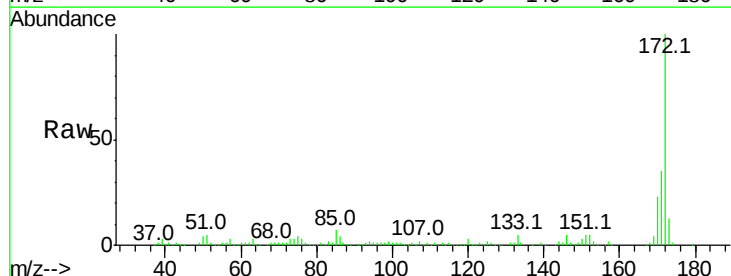
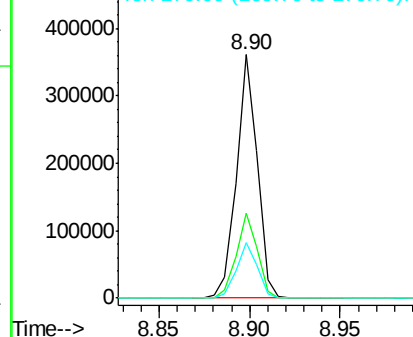
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

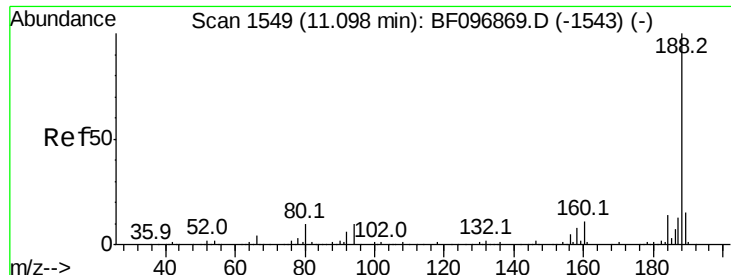


#44
 2-Fluorobiphenyl
 Concen: 20.710 ng
 RT: 8.90 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	288146		
171	35.1		29.6	44.4
170	22.9		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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.04 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Instrument :

BNA_F

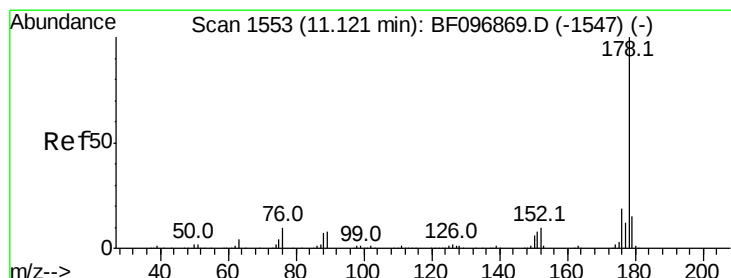
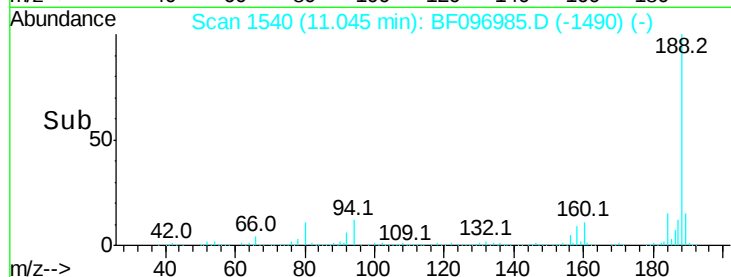
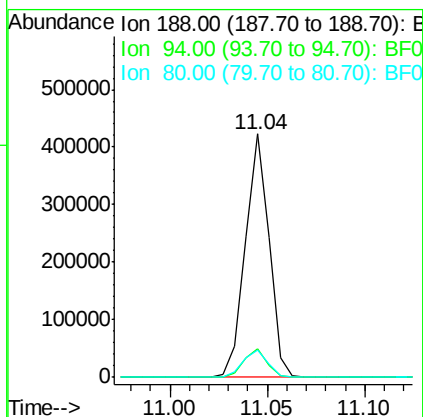
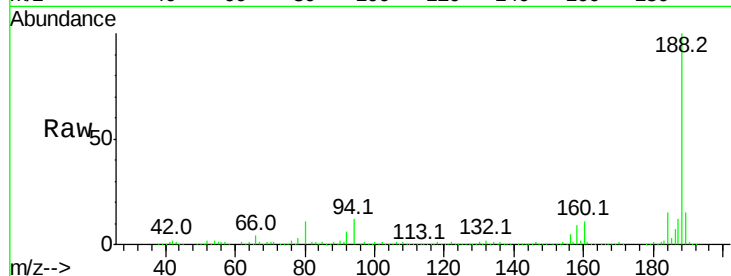
ClientSampleId :

E2-N5-SWSW

Tot Ion:	188	Resp:	356781
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.4	14.2
80	11.2	10.2	15.2

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#70

Phenanthrene

Concen: 12.153 ng

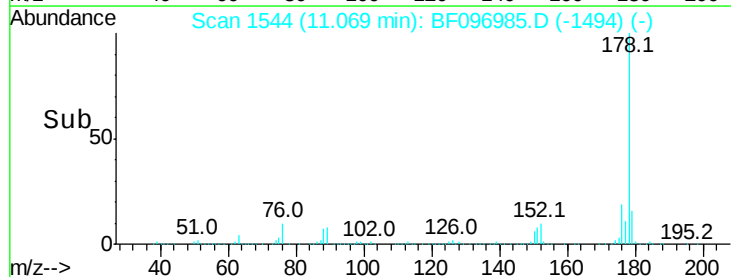
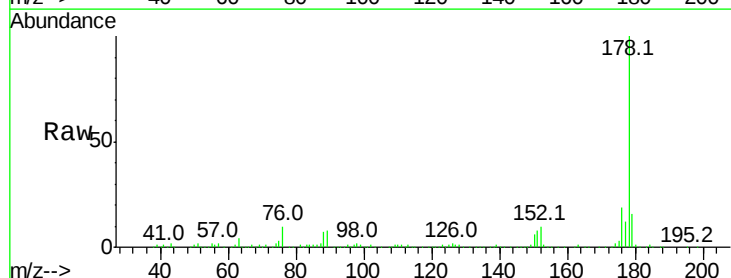
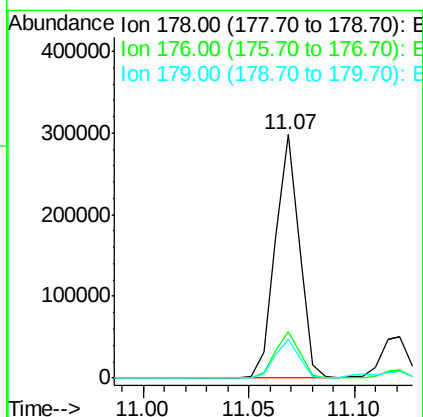
RT: 11.07 min Scan# 1544

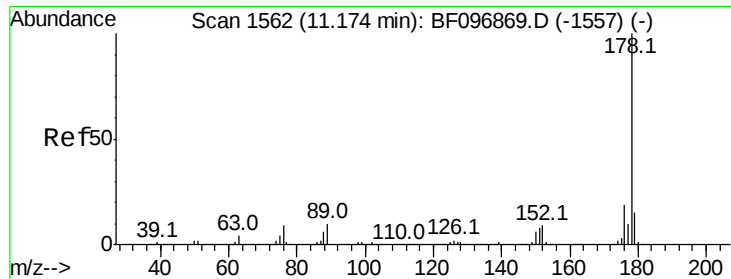
Delta R.T. -0.01 min

Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Tgt Ion:	178	Resp:	235757
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.4
179	15.7	12.6	19.0





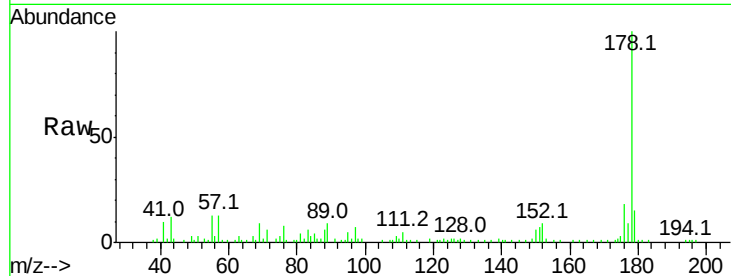
#71
 Anthracene
 Concen: 2.332 ng
 RT: 11.12 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

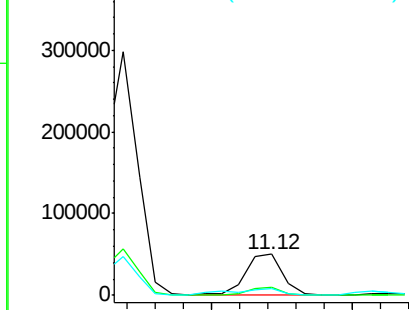
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.5	12.7	19.1

Manual Integrations
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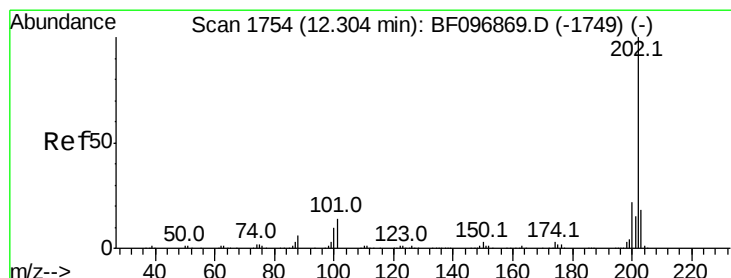
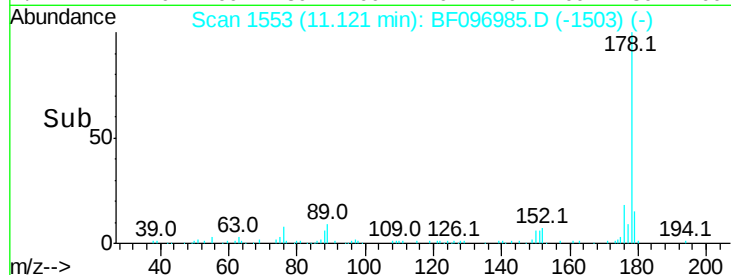
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Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

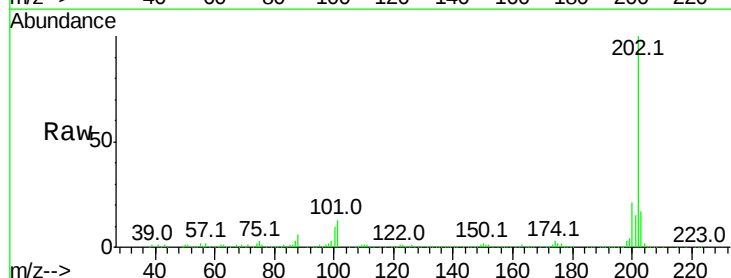


Time-->

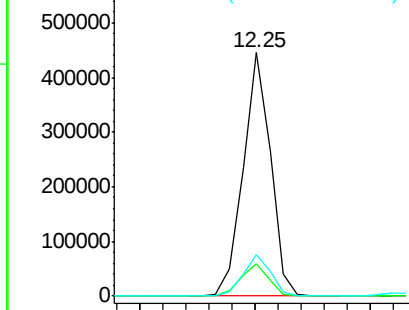


#74
 Fluoranthene
 Concen: 19.790 ng
 RT: 12.25 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

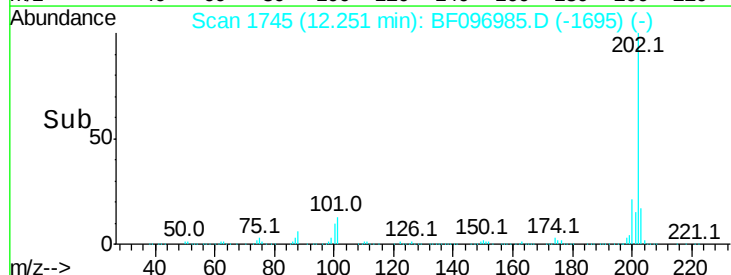
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.1	0.0	38.1

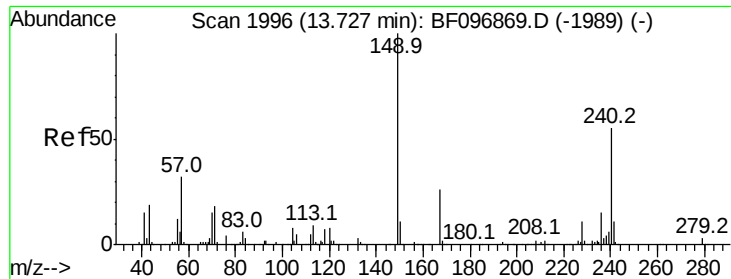


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Instrument :

BNA_F

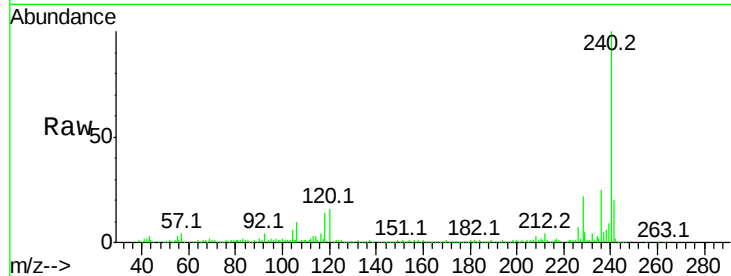
ClientSampleId :

E2-N5-SWSW

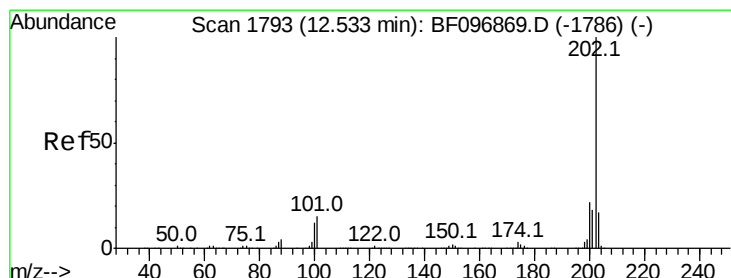
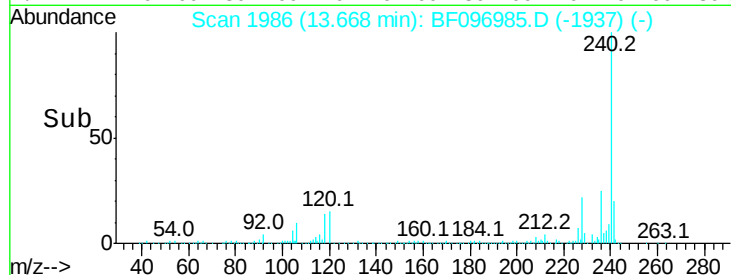
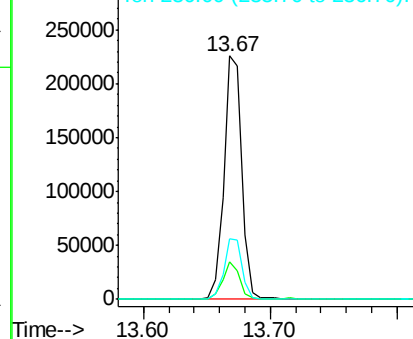
Tot Ion:240 Resp: 222205
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 25.1 20.5 30.7

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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

Pyrene

Concen: 16.560 ng

RT: 12.47 min Scan# 1783

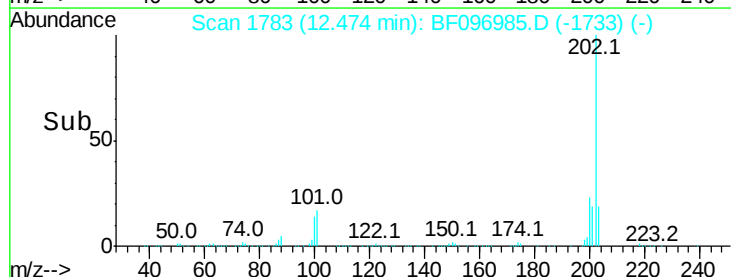
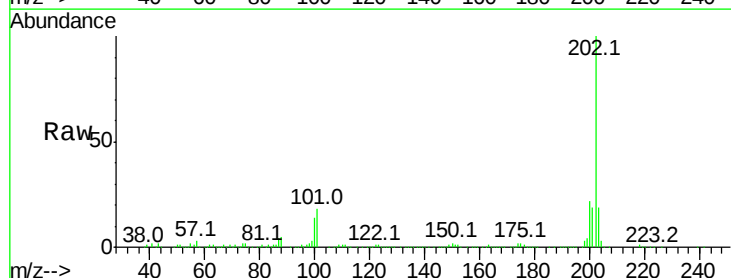
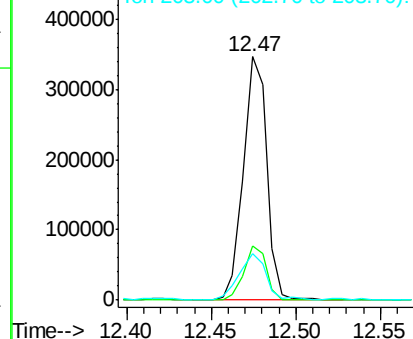
Delta R.T. -0.01 min

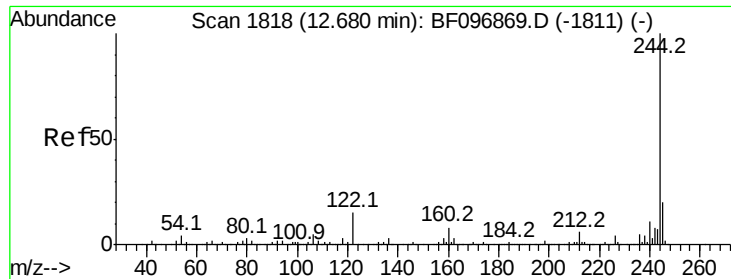
Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Tgt Ion:202 Resp: 333960
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.6 26.4
 203 18.8 14.4 21.6

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





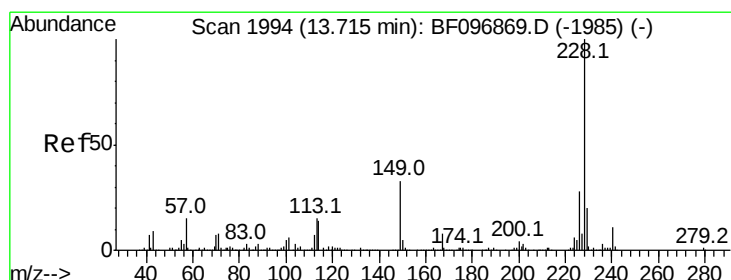
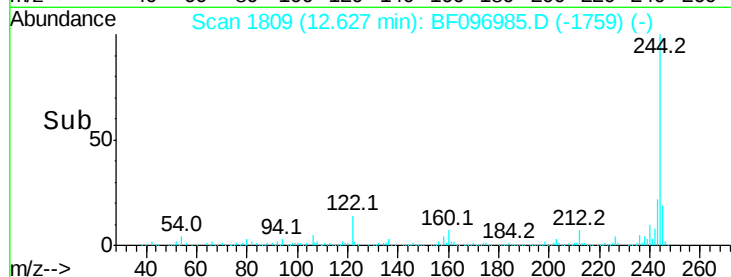
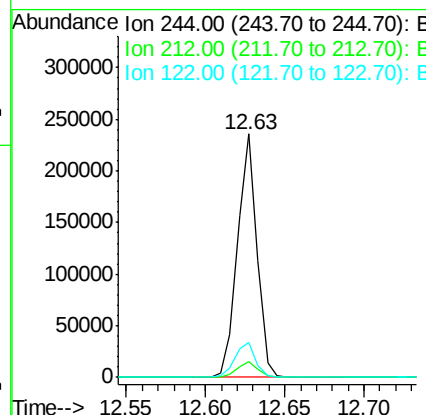
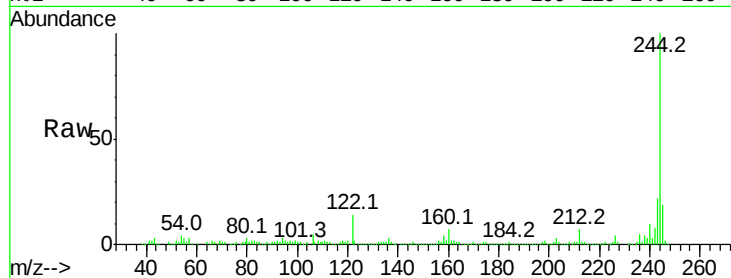
#78
 Terphenyl-d14
 Concen: 15.675 ng
 RT: 12.63 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.1	10.3	15.5

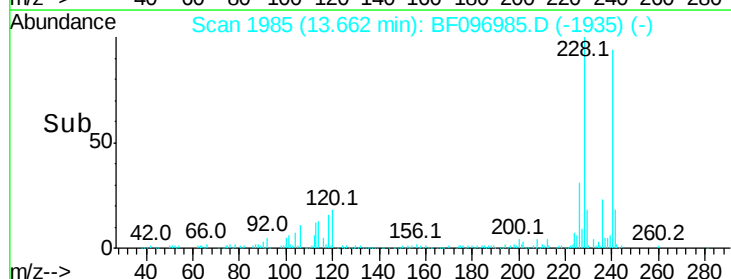
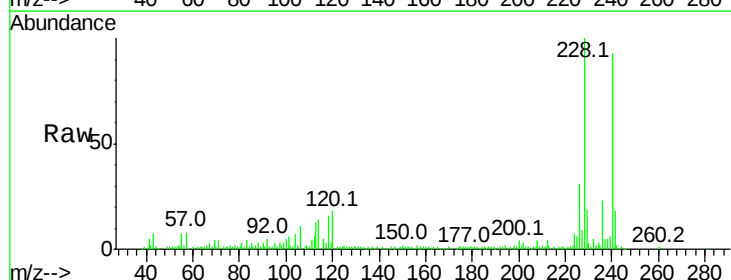
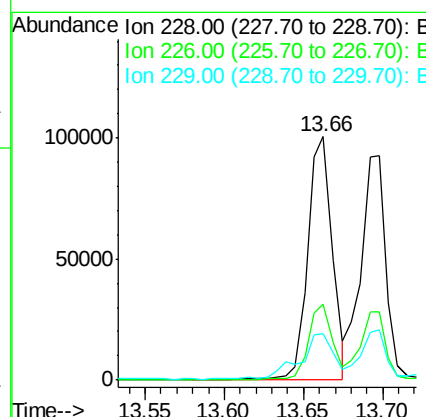
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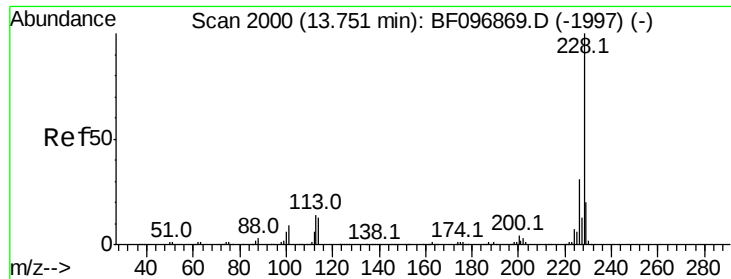
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#80
 Benzo(a)anthracene
 Concen: 7.804 ng
 RT: 13.66 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	18.9	16.3	24.5





#82

Chrysene

Concen: 7.513 ng

RT: 13.70 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF096985.D

Acq: 24 Jul 2017 12:25

Instrument :

BNA_F

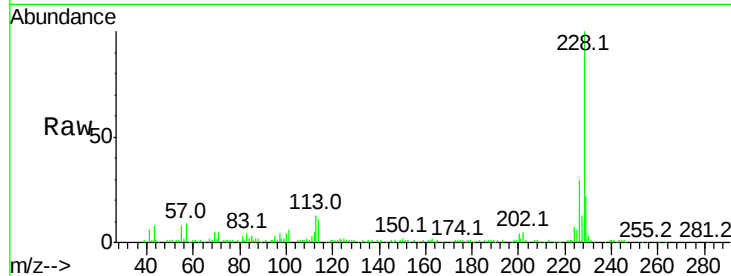
ClientSampled :

E2-N5-SWSW

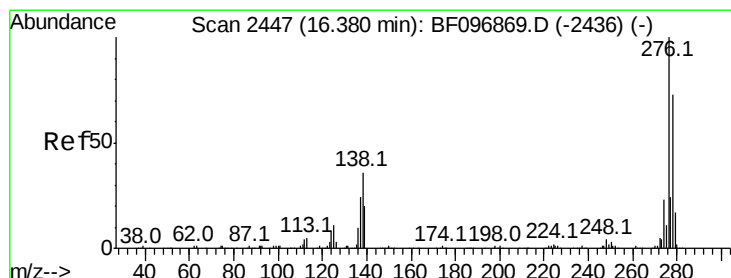
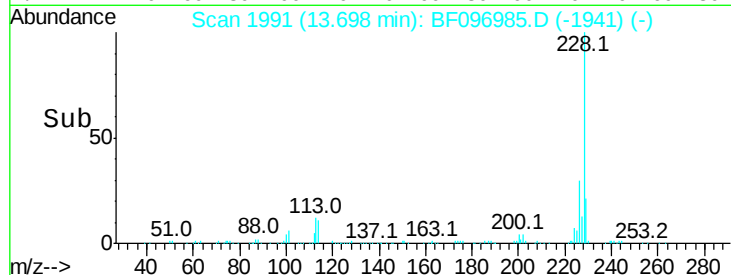
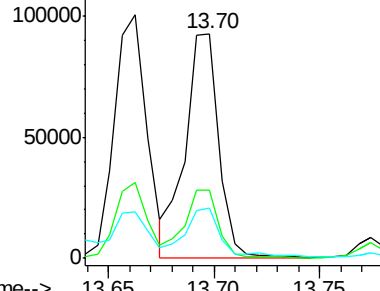
Tot Ion:	228	Resp:	102397
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	22.1	15.8	23.6

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.398 ng

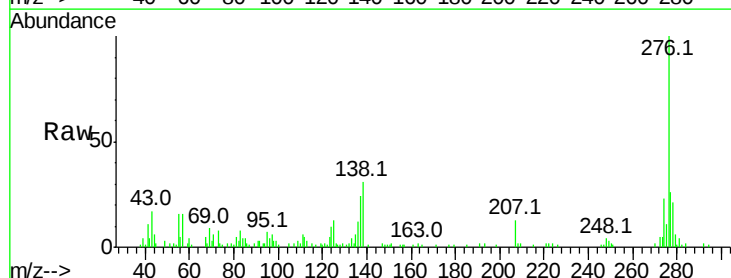
RT: 16.28 min Scan# 2430

Delta R.T. -0.02 min

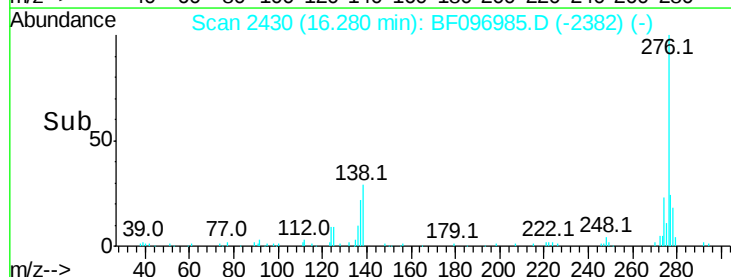
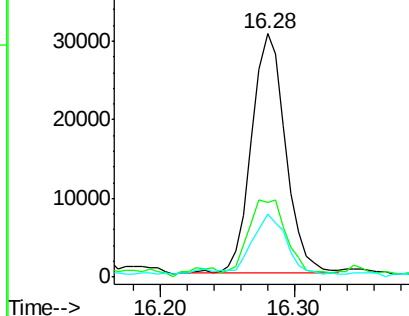
Lab File: BF096985.D

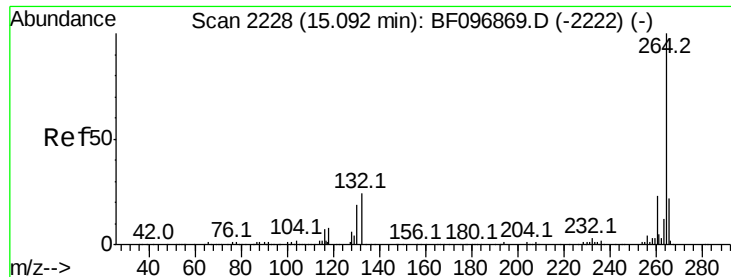
Acq: 24 Jul 2017 12:25

Tgt Ion:	276	Resp:	53566
Ion Ratio	Lower	Upper	
276	100		
138	35.4	27.8	41.6
277	27.7	20.2	30.4



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





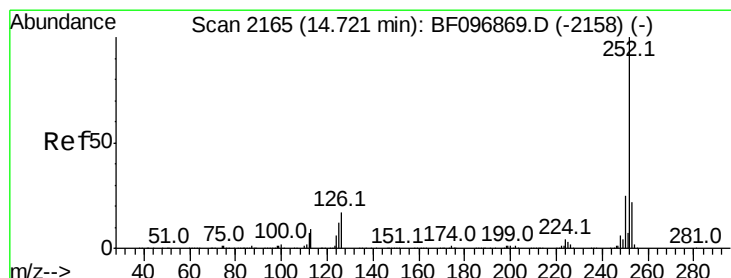
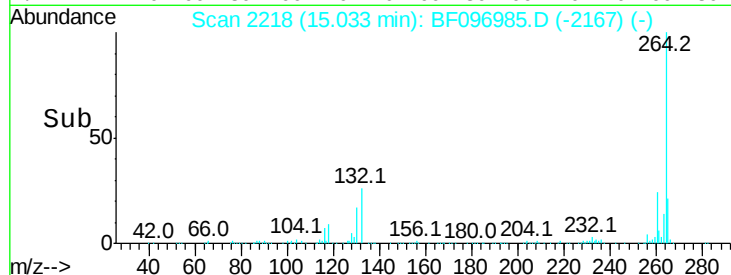
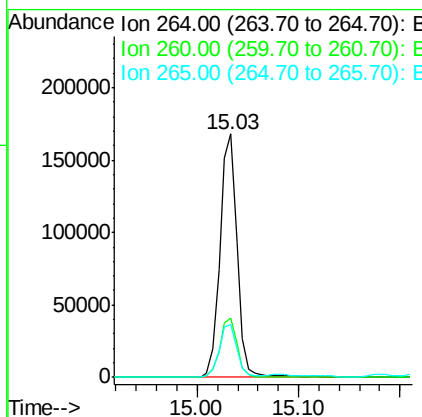
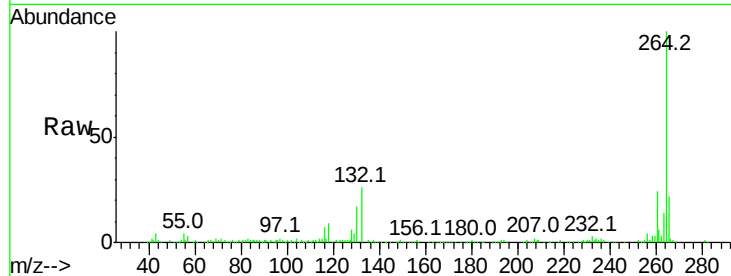
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.6	17.2	25.8

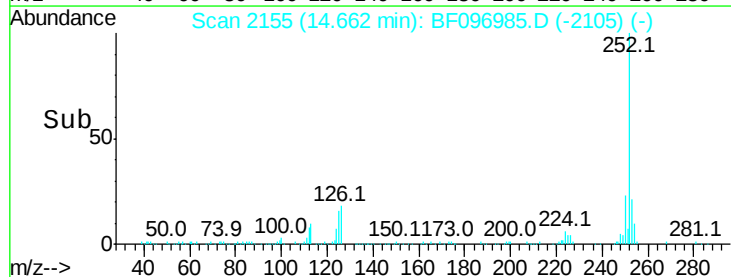
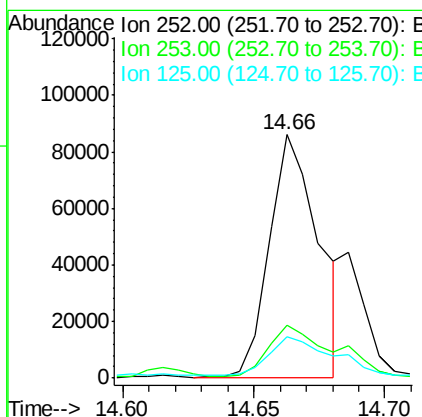
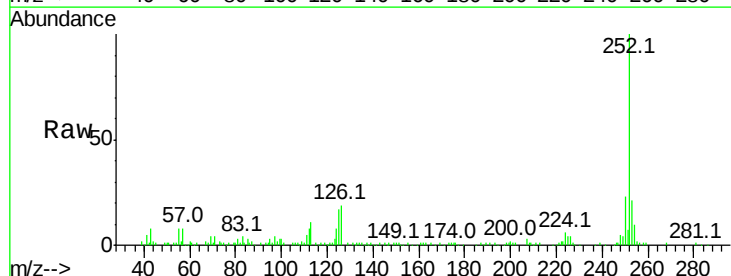
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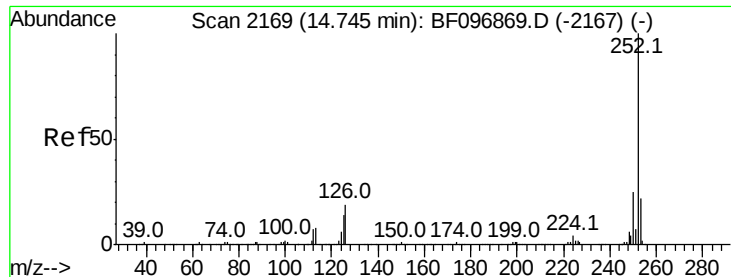
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#87
Benzo(b)fluoranthene
Concen: 9.494 ng m
RT: 14.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	16.8	9.8	14.8#





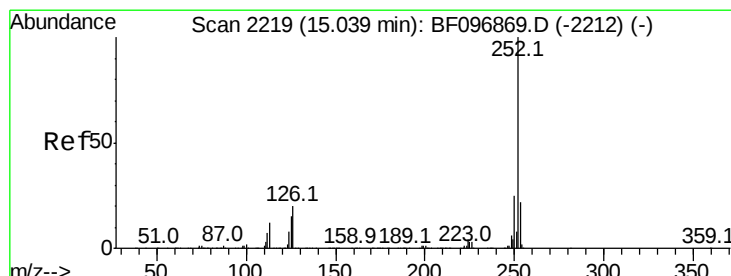
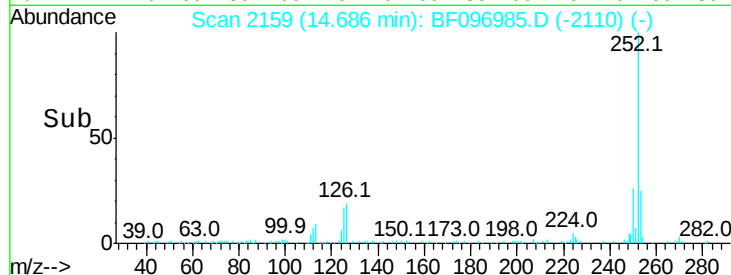
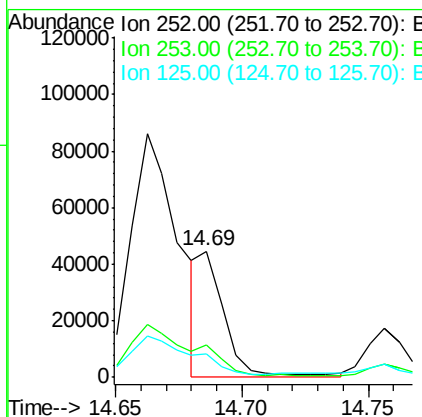
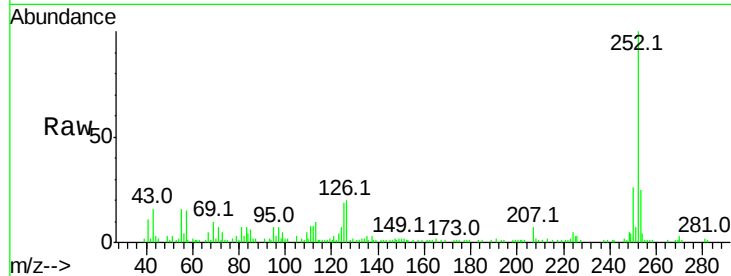
#88
Benzo(k)fluoranthene
Concen: 2.765 ng m
RT: 14.69 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	18.8	13.1	19.7

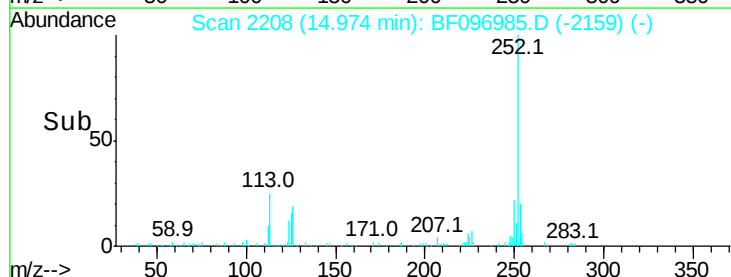
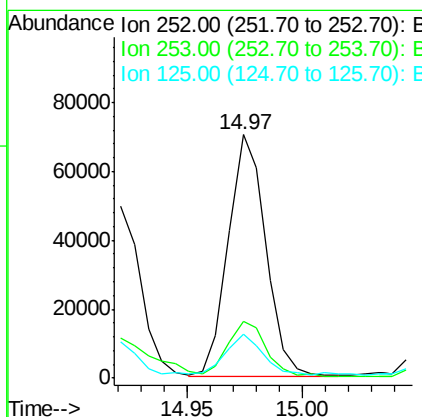
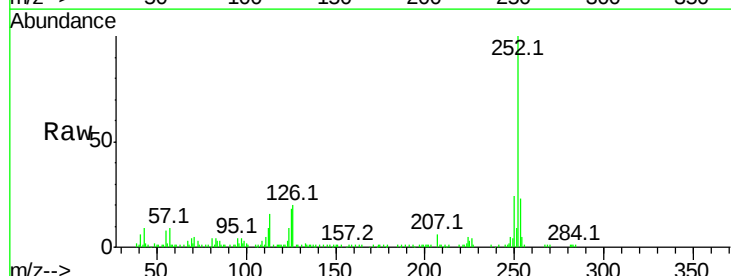
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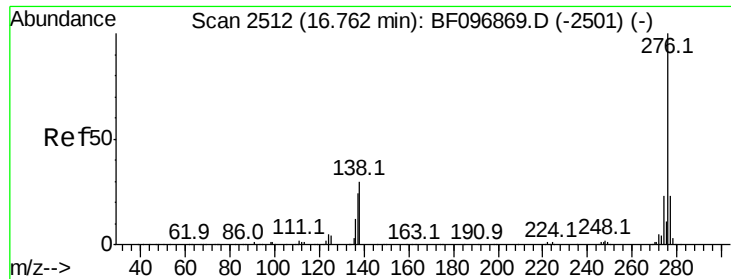
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#89
Benzo(a)pyrene
Concen: 7.313 ng
RT: 14.97 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF096985.D
Acq: 24 Jul 2017 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	17.9	11.0	16.4#





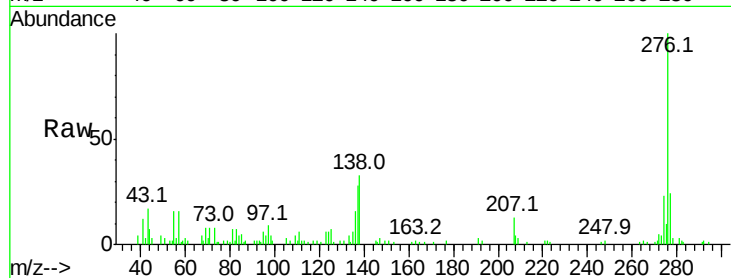
#91
 Benzo(a,h,i)perylene
 Concen: 4.844 ng
 RT: 16.66 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF096985.D
 Acq: 24 Jul 2017 12:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Tot Ion:	276	Resp:	51893
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	32.8	25.4	38.0

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

