

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097627.D
 Acq On : 12 Aug 2017 8:46
 Operator : SJ/JU
 Sample : I4736-12 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

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Quant Time: Aug 14 11:20:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	97500	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	368749	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	152680	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	246988	20.00	ng	0.00
75) Chrysene-d12	18.46	240	188789	20.00	ng	0.00
86) Perylene-d12	20.13	264	180521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	49023m	7.99	ng	0.10
7) Phenol-d6	7.13	99	62004m	8.15	ng	0.07
23) Nitrobenzene-d5	8.46	82	27002	4.59	ng	0.04
41) 2,4,6-Tribromophenol	13.67	330	6536	5.63	ng	0.01
44) 2-Fluorobiphenyl	11.32	172	46546	4.60	ng	0.00
78) Terphenyl-d14	17.12	244	30385	3.33	ng	0.00
Target Compounds						
70) Phenanthrene	14.80	178	143934	10.118	ng	98
74) Fluoranthene	16.57	202	147309	11.460	ng	99
77) Pyrene	16.87	202	126637	8.112	ng	99
80) Benzo(a)anthracene	18.45	228	49549	4.494	ng	98
82) Chrysene	18.50	228	51473	4.693	ng	99
85) Indeno(1,2,3-cd)pyrene	21.36	276	21273	2.494	ng	99
87) Benzo(b)fluoranthene	19.73	252	58283	5.377	ng	# 97
89) Benzo(a)pyrene	20.08	252	43616	4.384	ng	97
91) Benzo(g,h,i)perylene	21.72	276	18648	2.386	ng	100

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

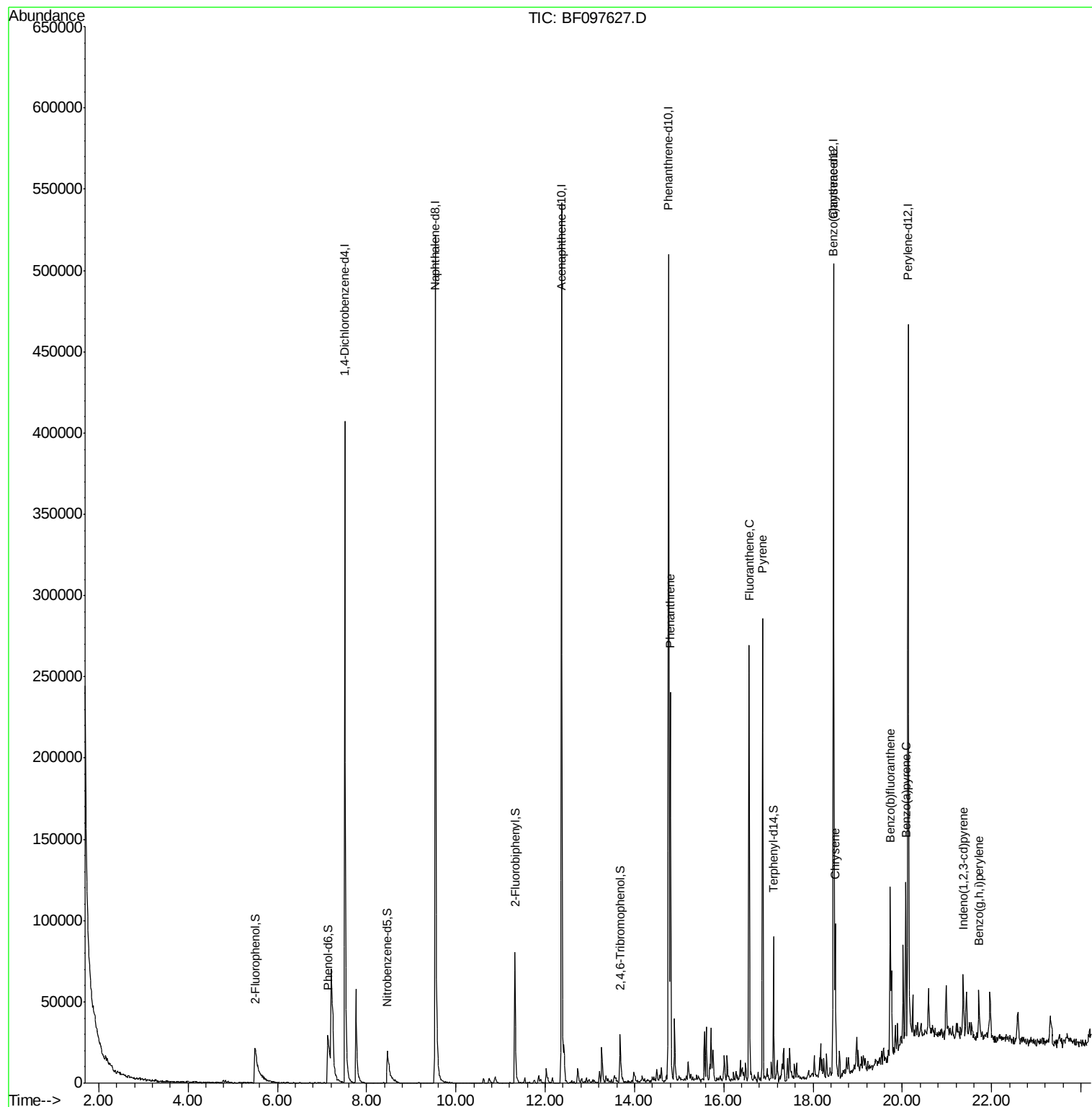
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097627.D
Acq On : 12 Aug 2017 8:46
Operator : SJ/JU
Sample : I4736-12 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

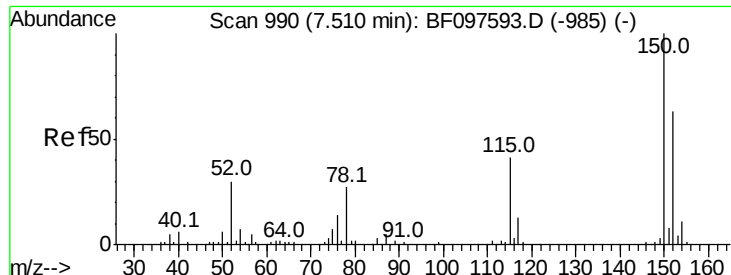
Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

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Quant Time: Aug 14 11:20:41 2017
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#1

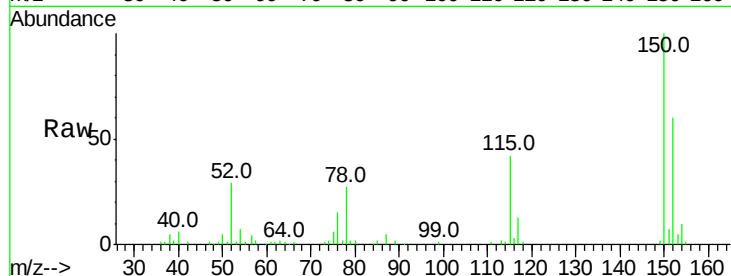
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.51 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

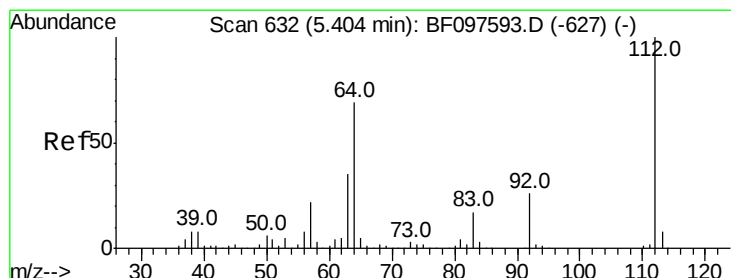
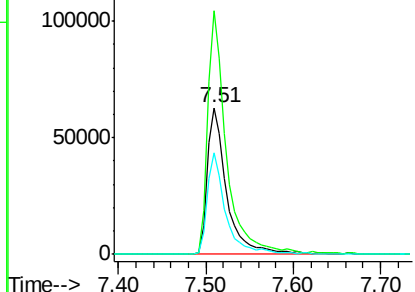
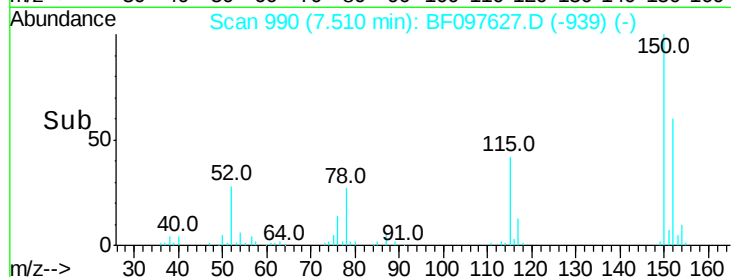
Tot Ion	Ratio	Lower	Upper
152	100		
150	166.2	126.2	189.2
115	69.4	52.2	78.2

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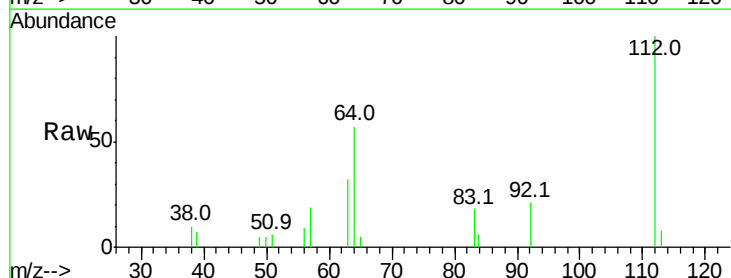
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



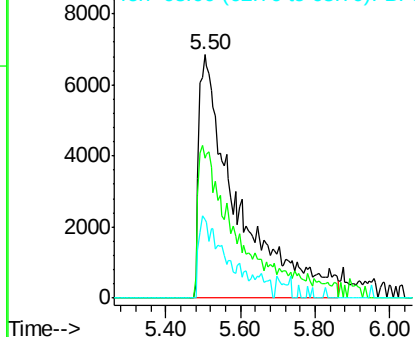
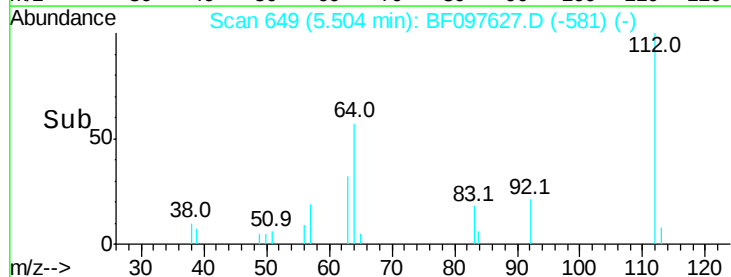
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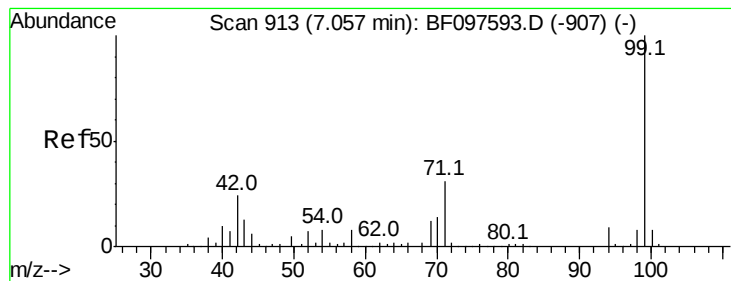
2-Fluorophenol
Concen: 7.992 ng m
RT: 5.50 min Scan# 649
Delta R.T. 0.10 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.0	69.0
63	32.4	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

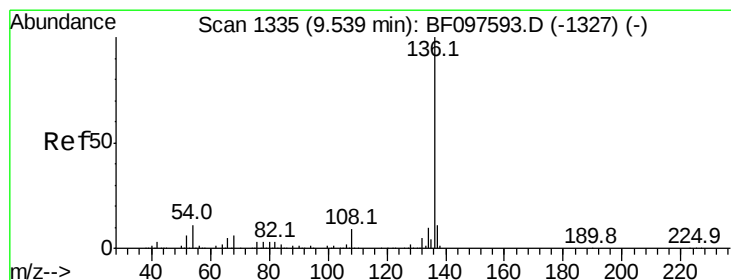
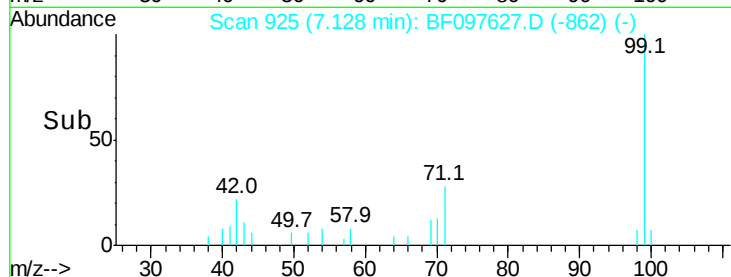
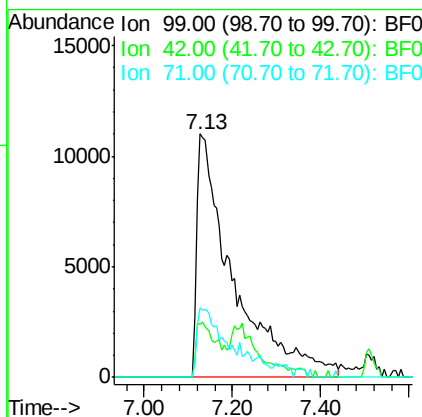
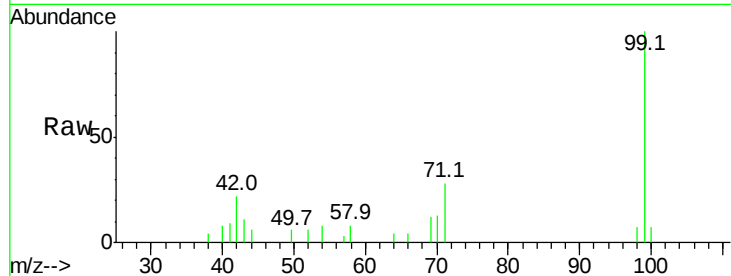
Concen: 8.148 ng/mL
 RT: 7.13 min Scan# 925
 Delta R.T. 0.07 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	28.3	24.5	36.7

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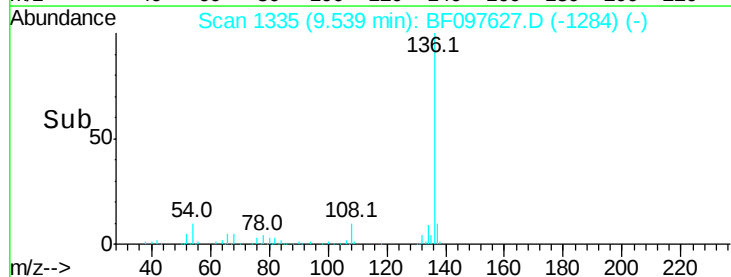
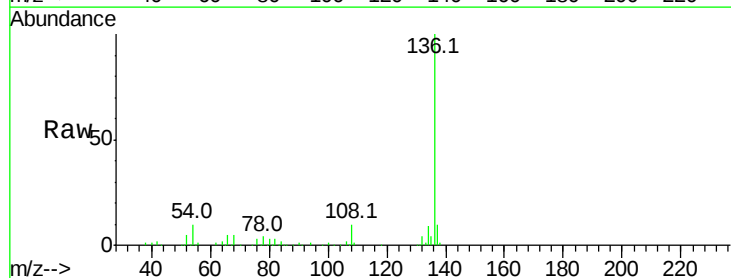
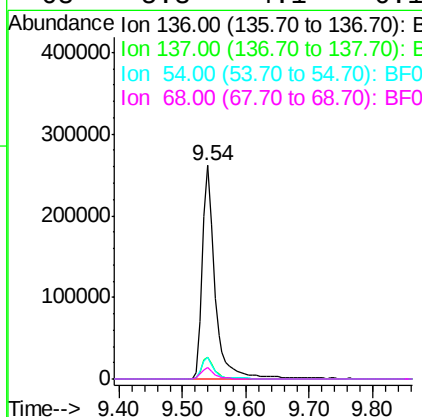


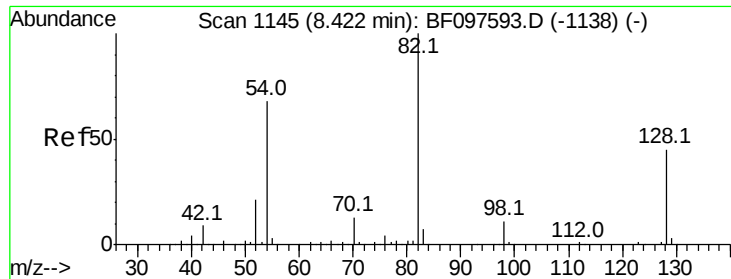
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 9.54 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.2	4.9	7.3#
68	5.3	4.1	6.1





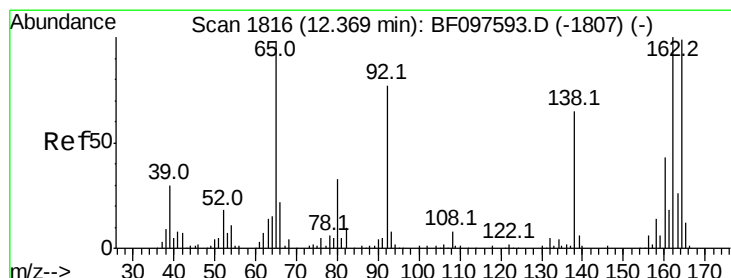
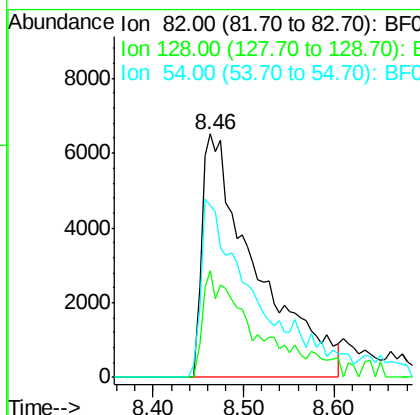
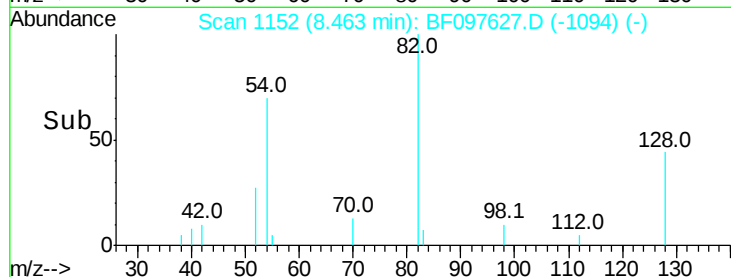
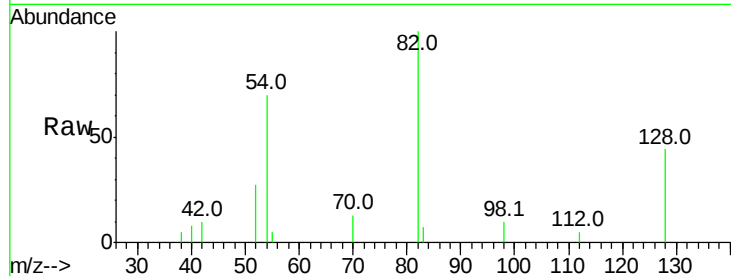
#23
 Nitrobenzene-d5
 Concen: 4.592 ng
 RT: 8.46 min Scan# 1152
 Delta R.T. 0.04 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	70.5	42.2	63.2#

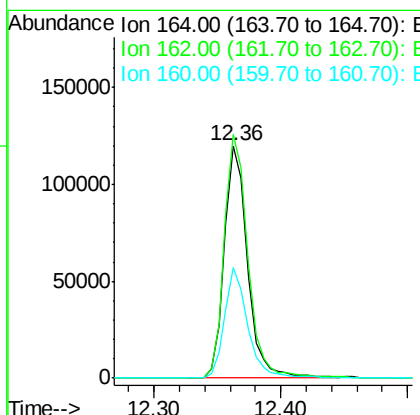
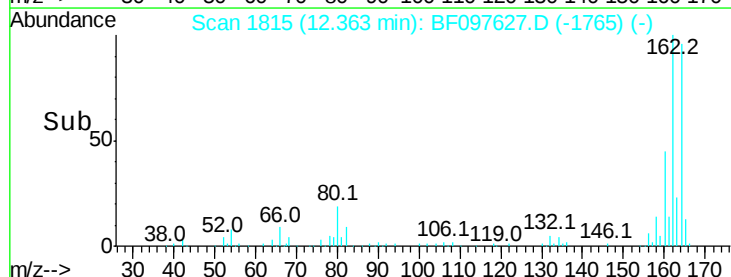
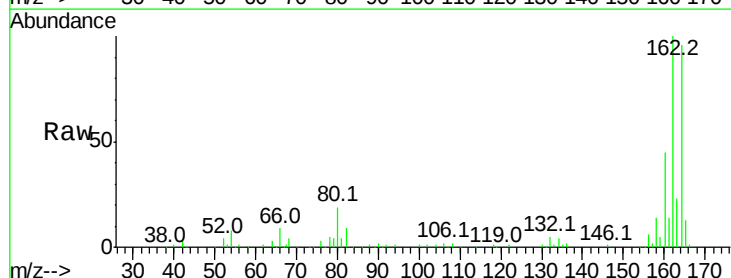
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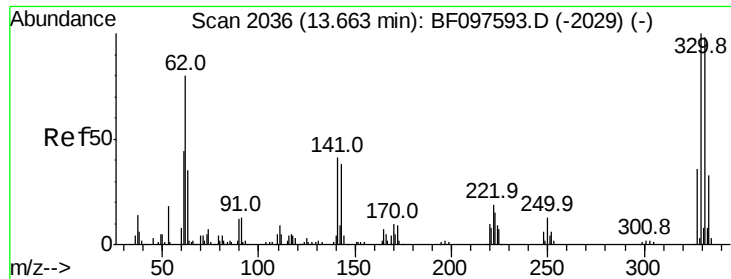
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.6	123.8
160	47.3	36.2	54.2





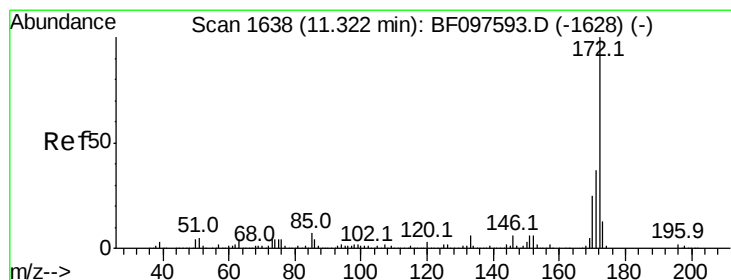
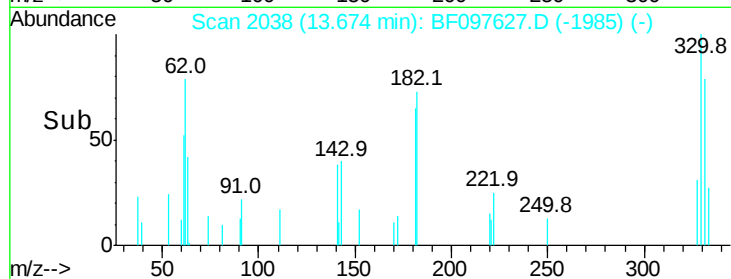
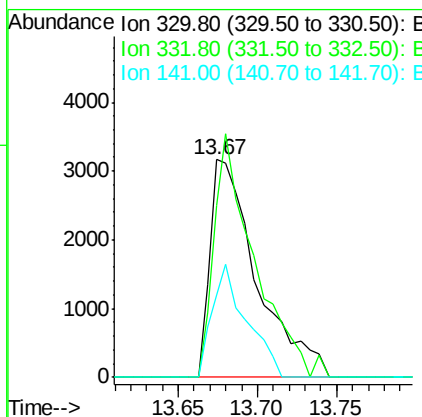
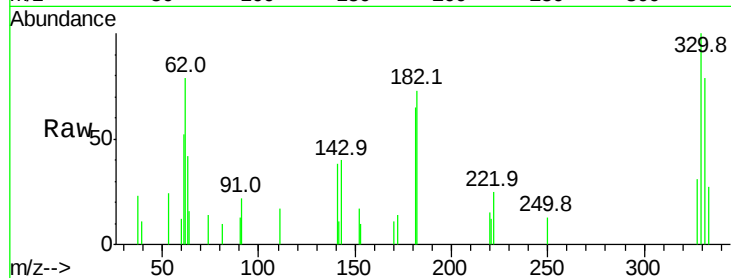
#41
 2,4,6-Tribromophenol
 Concen: 5.631 ng
 RT: 13.67 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	6536		
332	95.9		76.6	115.0
141	37.7		31.4	47.2

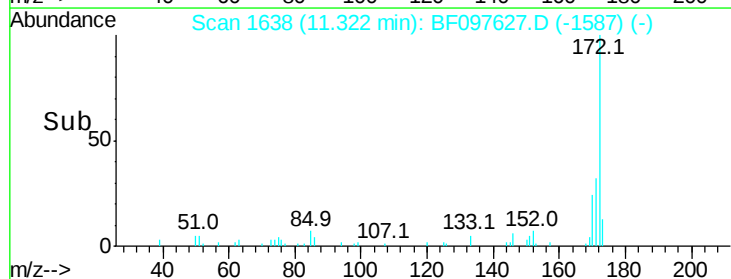
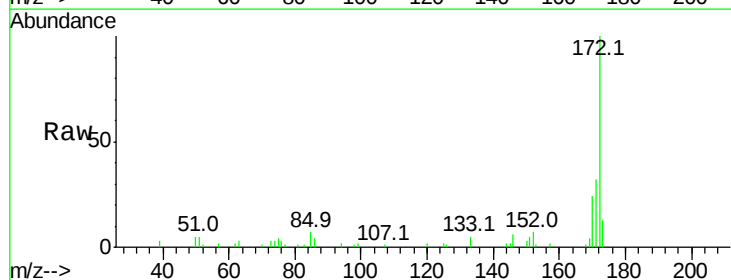
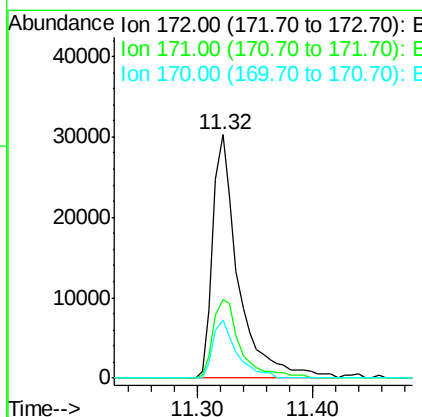
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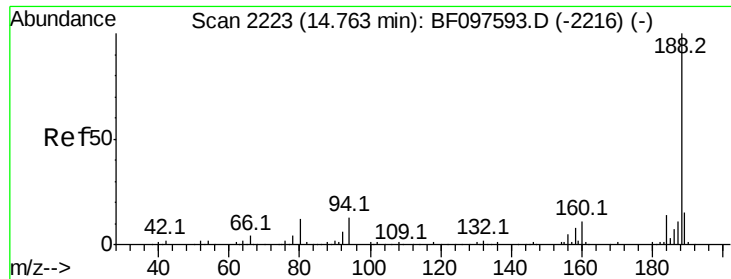
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#44
 2-Fluorobiphenyl
 Concen: 4.601 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	46546		
171	32.2		29.6	44.4
170	23.6		19.8	29.8





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

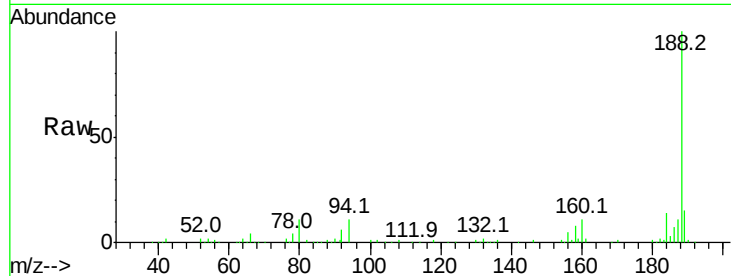
ClientSampled :

SB-35-COMP

Tot Ion:188	Resp:	246988
Ion Ratio	Lower	Upper
188 100		
94 11.3	9.4	14.2
80 11.3	10.2	15.2

Manual Integrations
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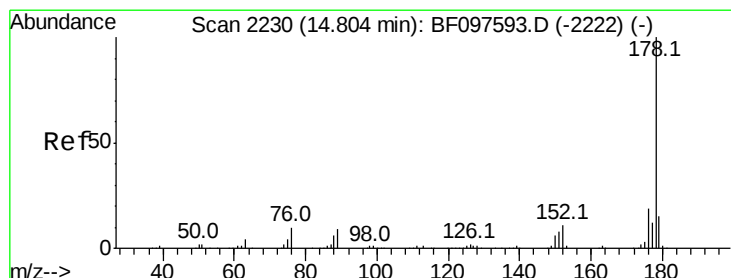
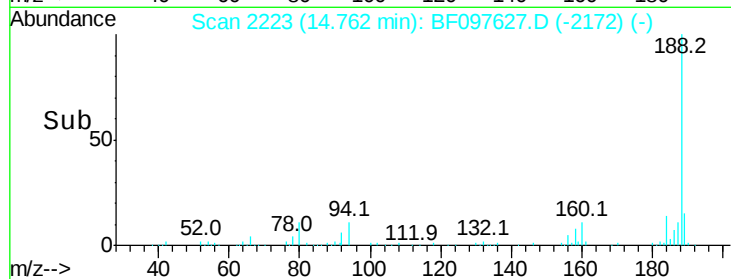
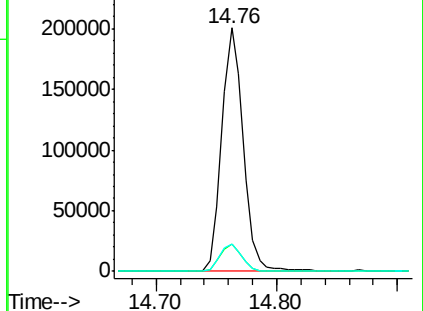
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 10.118 ng

RT: 14.80 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BF097627.D

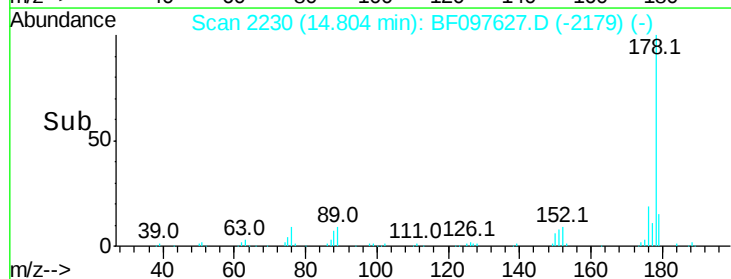
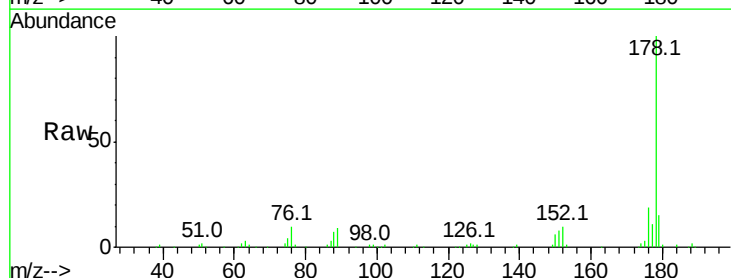
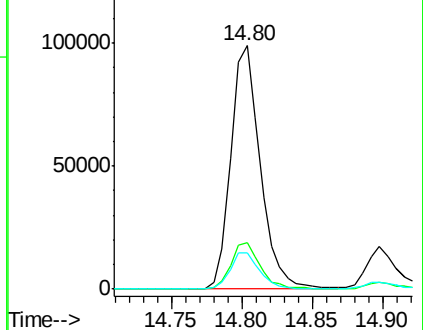
Acq: 12 Aug 2017 8:46

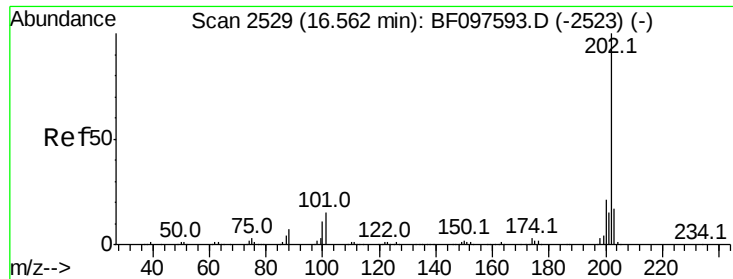
Tgt Ion:178	Resp:	143934
Ion Ratio	Lower	Upper
178 100		
176 19.2	16.2	24.4
179 14.8	12.6	19.0

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





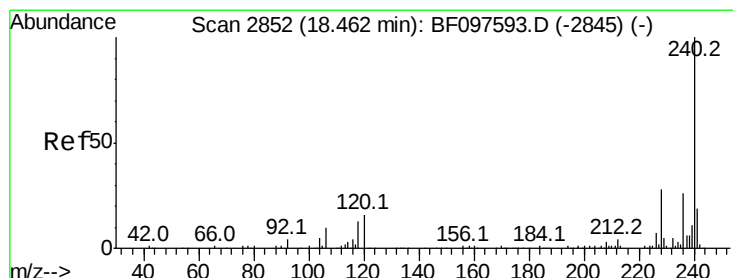
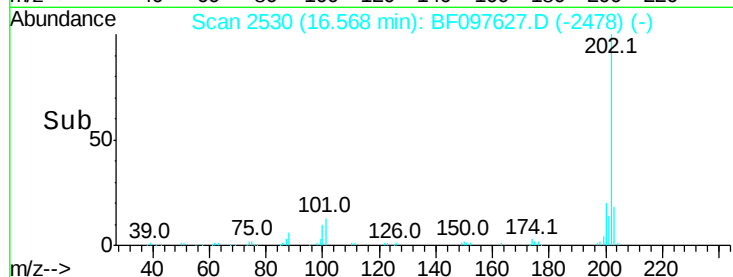
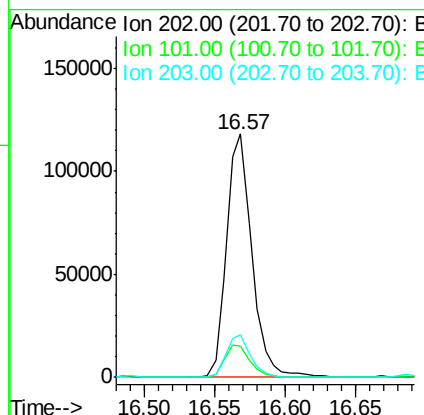
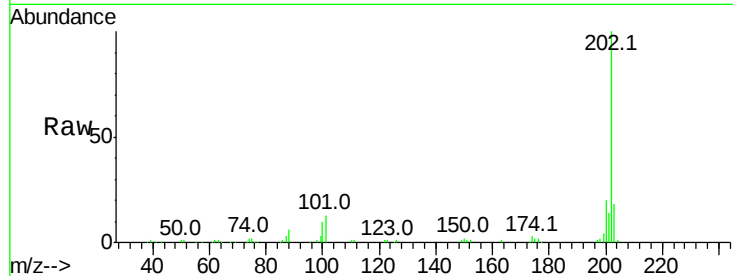
#74
Fluoranthene
Concen: 11.460 ng
RT: 16.57 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.5	0.0	38.1

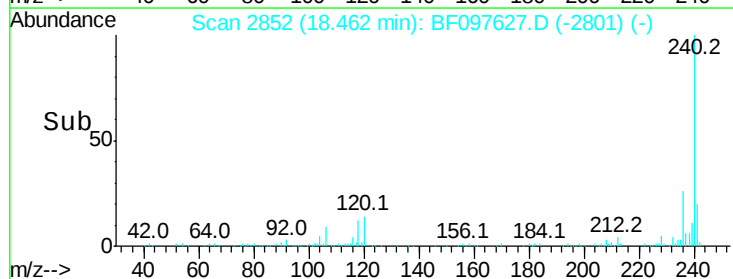
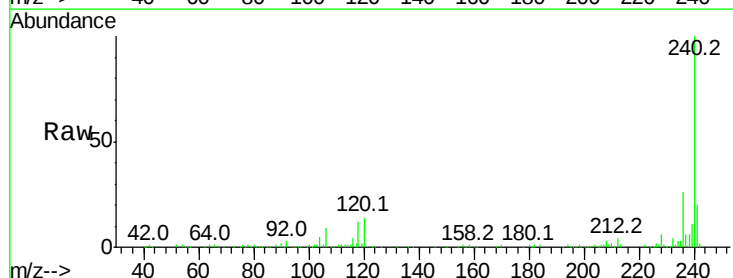
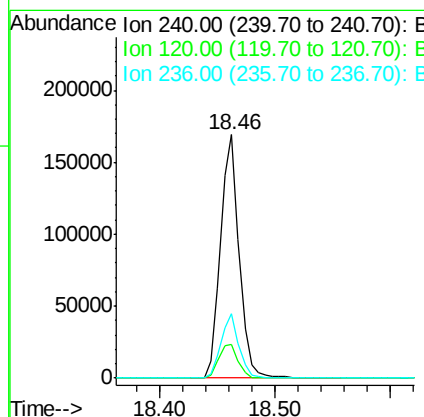
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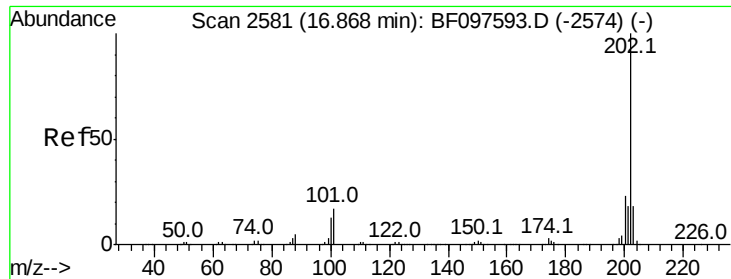
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.46 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BF097627.D
Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	26.4	20.5	30.7





#77

Pvrene

Concen: 8.112 ng

RT: 16.87 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

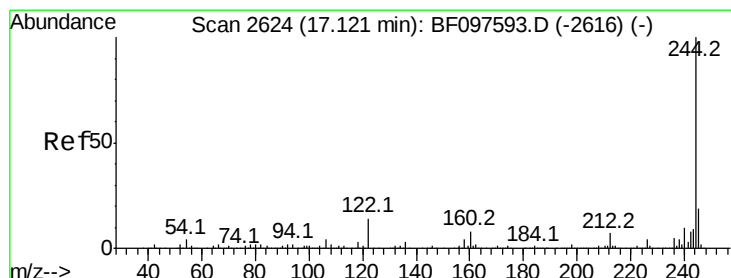
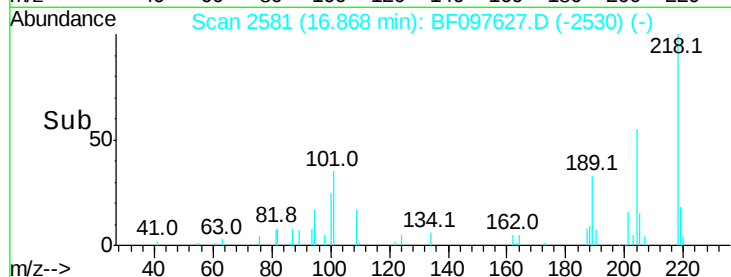
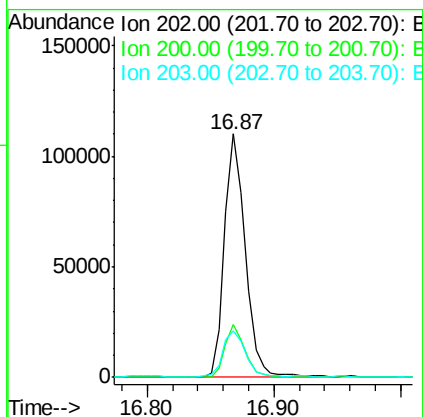
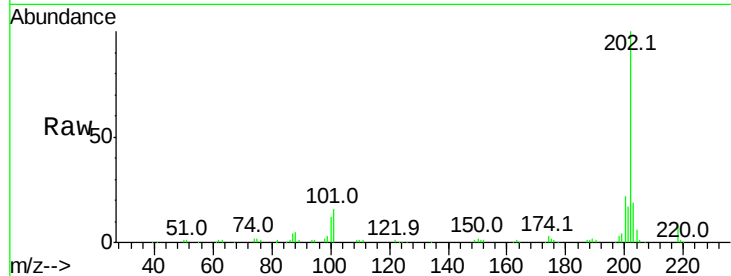
ClientSampled :

SB-35-COMP

Tot Ion:	202	Resp:	126637
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.6	26.4
203	19.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 3.331 ng

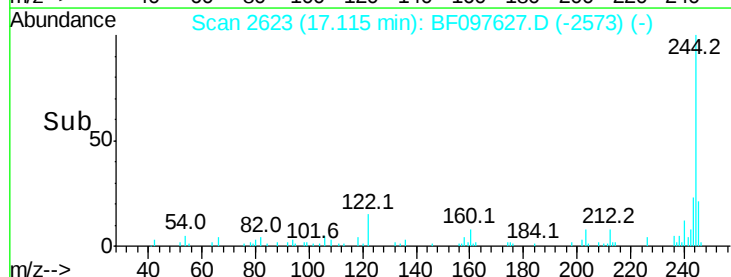
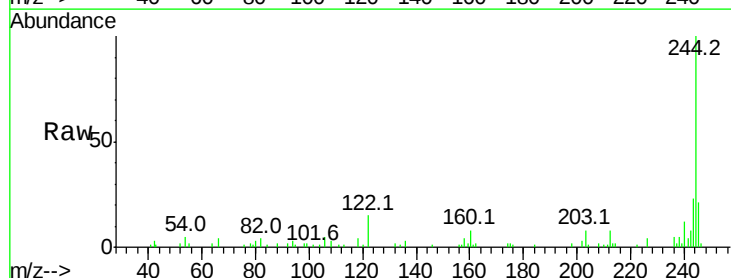
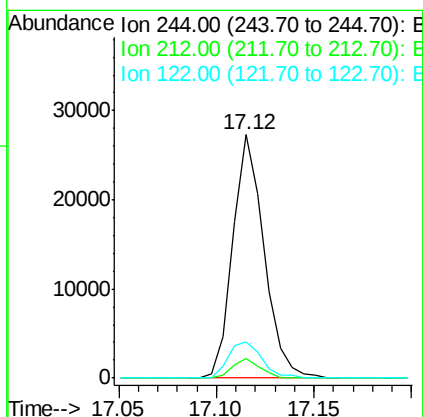
RT: 17.12 min Scan# 2623

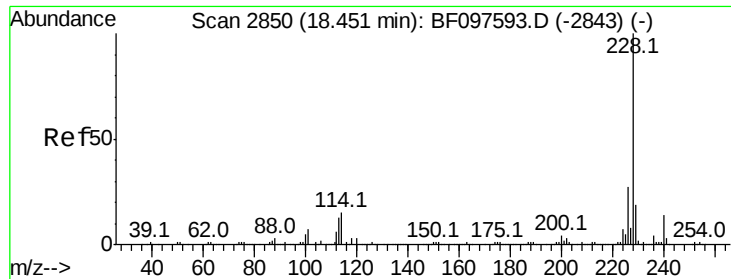
Delta R.T. -0.01 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Tgt Ion:	244	Resp:	30385
Ion Ratio		Lower	Upper
244	100		
212	8.1	6.0	9.0
122	14.8	10.3	15.5





#80

Benzo(a)anthracene

Concen: 4.494 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

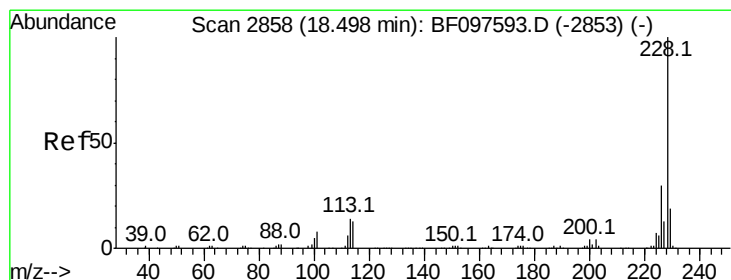
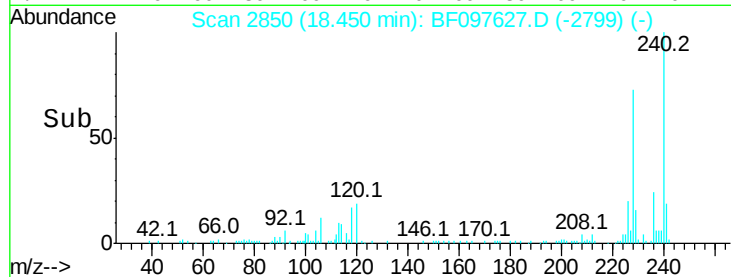
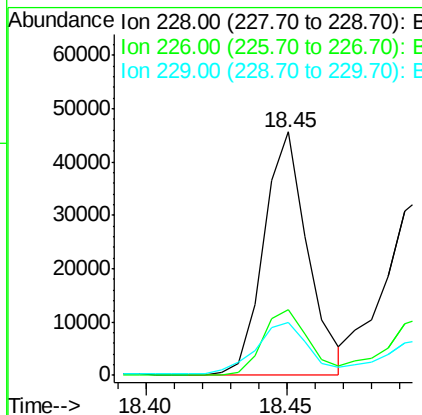
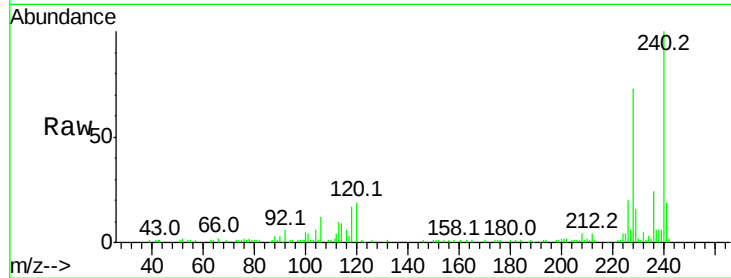
ClientSampleId :

SB-35-COMP

Tot Ion:228	Resp:	49549
Ion Ratio	Lower	Upper
228 100		
226 27.1	22.6	33.8
229 21.8	16.3	24.5

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#82

Chrysene

Concen: 4.693 ng

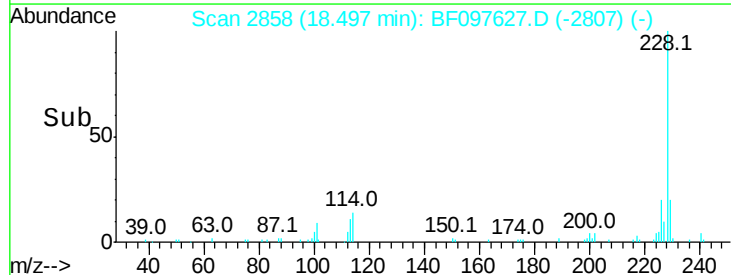
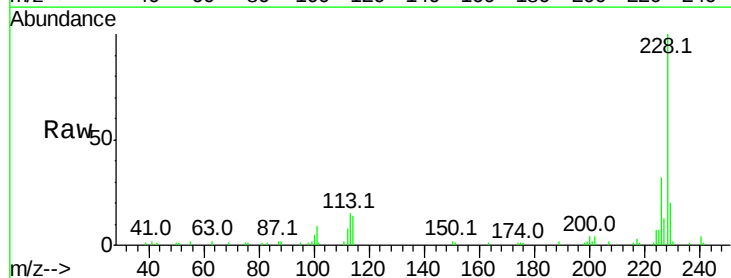
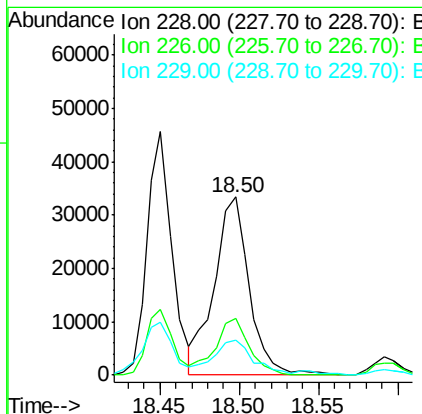
RT: 18.50 min Scan# 2858

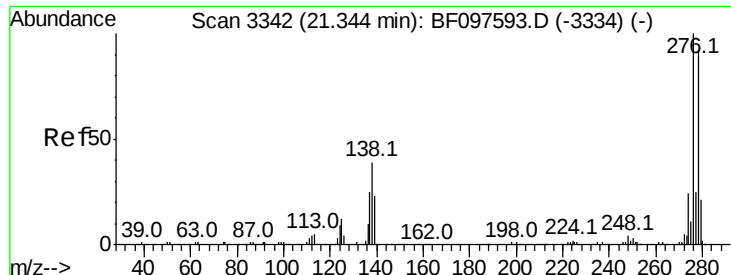
Delta R.T. -0.00 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Tgt Ion:228	Resp:	51473
Ion Ratio	Lower	Upper
228 100		
226 31.6	24.9	37.3
229 19.6	15.8	23.6





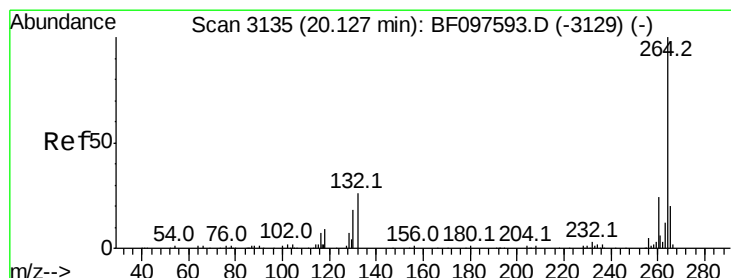
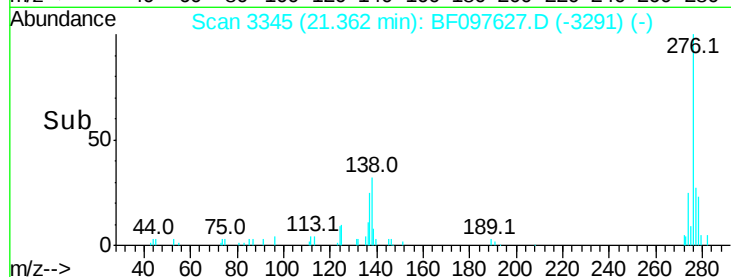
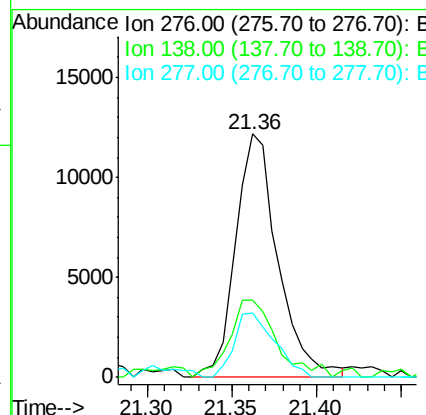
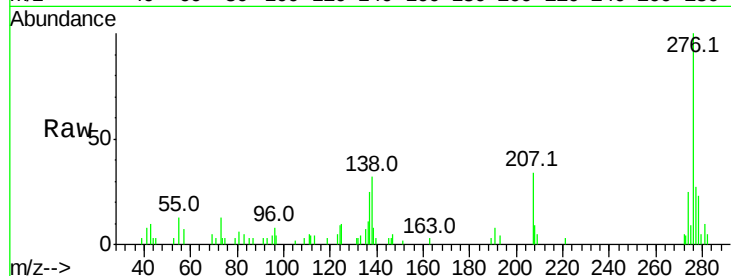
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.494 ng
 RT: 21.36 min Scan# 3345
 Delta R.T. 0.02 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.2	27.8	41.6
277	25.1	20.2	30.4

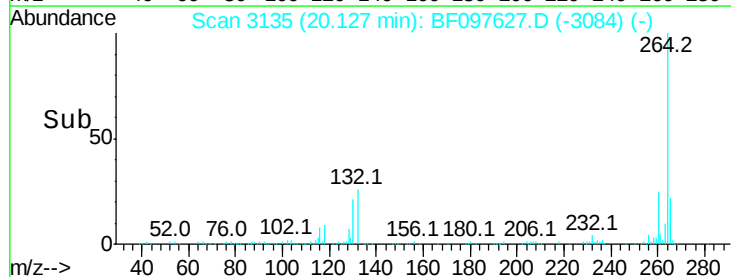
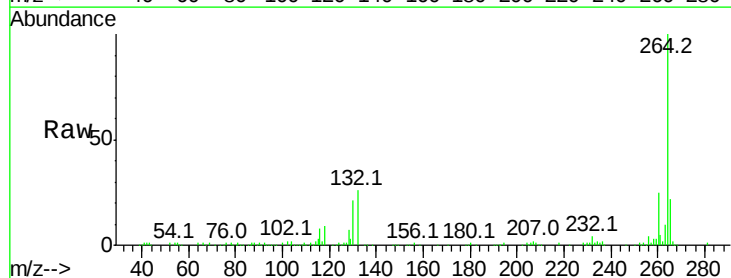
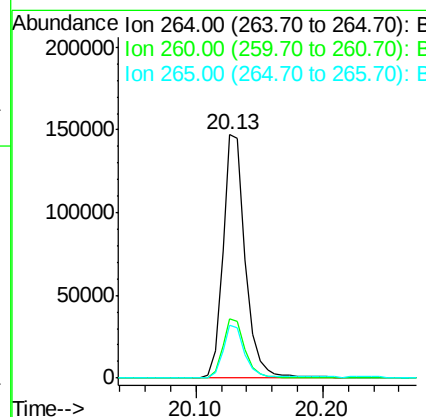
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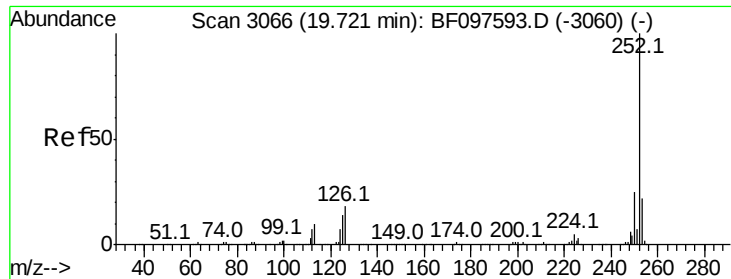
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 20.13 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.377 ng

RT: 19.73 min Scan# 3067

Delta R.T. 0.01 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Instrument :

BNA_F

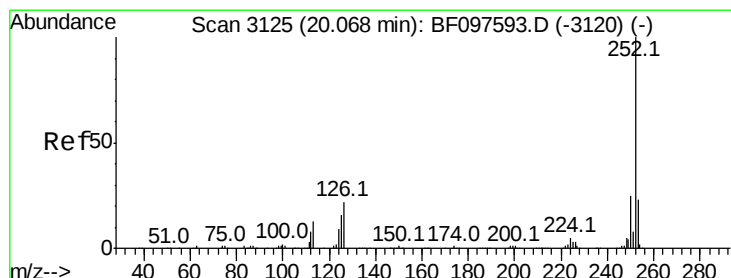
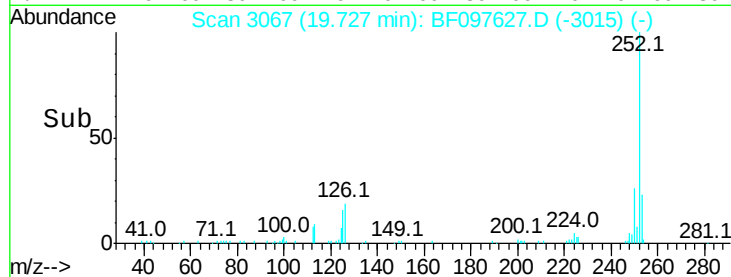
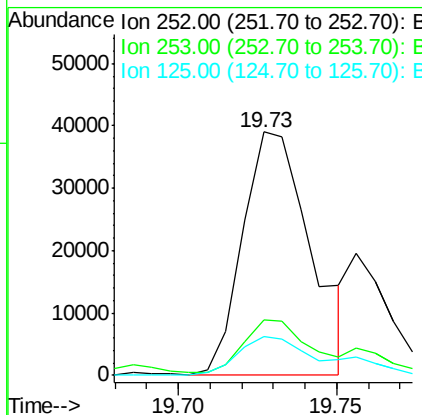
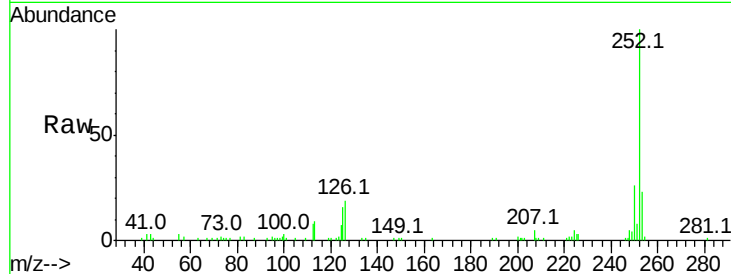
ClientSampled :

SB-35-COMP

Tot Ion:	252	Resp:	58283
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	16.0	9.8	14.8

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#89

Benzo(a)pyrene

Concen: 4.384 ng

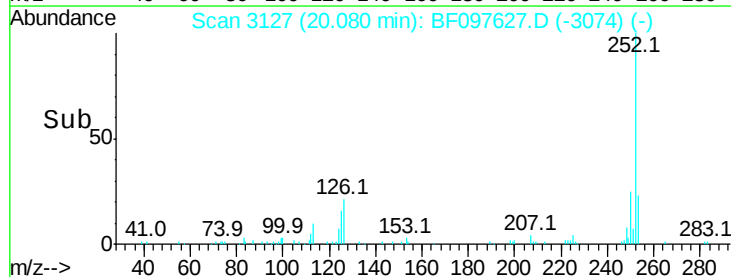
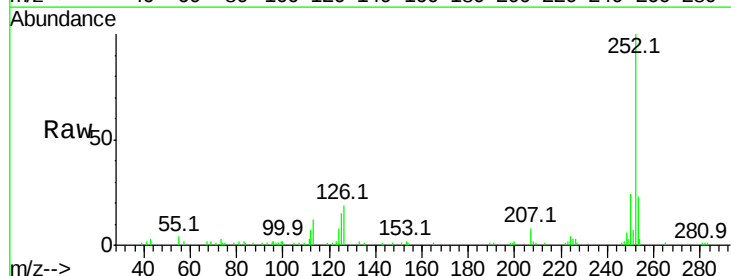
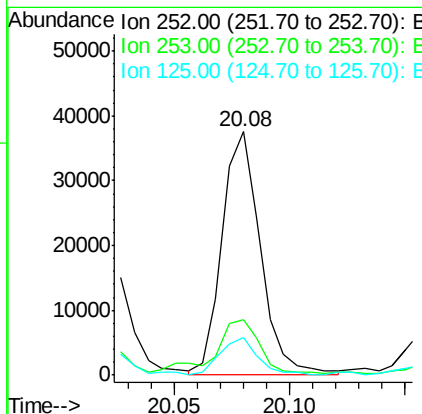
RT: 20.08 min Scan# 3127

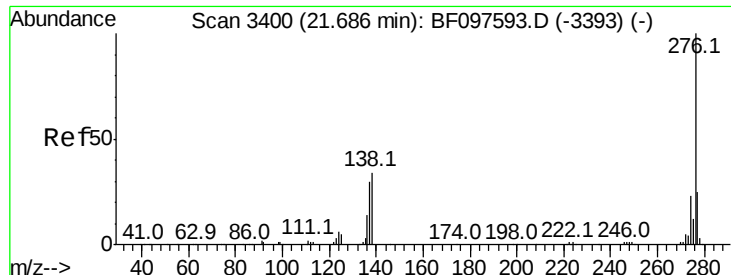
Delta R.T. 0.01 min

Lab File: BF097627.D

Acq: 12 Aug 2017 8:46

Tgt Ion:	252	Resp:	43616
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	15.3	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.386 ng
 RT: 21.72 min Scan# 3406
 Delta R.T. 0.04 min
 Lab File: BF097627.D
 Acq: 12 Aug 2017 8:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	32.0	25.4	38.0

Manual Integrations
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