

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097628.D
 Acq On : 12 Aug 2017 9:19
 Operator : SJ/JU
 Sample : I4736-10 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-36-COMP

Manual Integrations
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Quant Time: Aug 14 11:22:26 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	84597	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	336544	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	135317	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	204409	20.00	ng	0.00
75) Chrysene-d12	18.46	240	195738	20.00	ng	0.00
86) Perylene-d12	20.13	264	184492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	28379m	5.33	ng	0.12
7) Phenol-d6	7.16	99	35486m	5.37	ng	0.10
23) Nitrobenzene-d5	8.48	82	16679	3.11	ng	0.06
41) 2,4,6-Tribromophenol	13.69	330	3305	3.21	ng	0.02
44) 2-Fluorobiphenyl	11.32	172	31049	3.46	ng	0.00
78) Terphenyl-d14	17.12	244	21102	2.23	ng	0.00
Target Compounds						
70) Phenanthrene	14.80	178	118086	10.030	ng	97
71) Anthracene	14.90	178	33655	2.794	ng	96
74) Fluoranthene	16.57	202	141384	13.290	ng	97
77) Pyrene	16.87	202	144086	8.902	ng	97
80) Benzo(a)anthracene	18.45	228	57124	4.997	ng	97
82) Chrysene	18.50	228	54456	4.789	ng	99
85) Indeno(1,2,3-cd)pyrene	21.36	276	22448	2.538	ng	94
87) Benzo(b)fluoranthene	19.73	252	59404m	5.362	ng	
89) Benzo(a)pyrene	20.08	252	50894	5.005	ng	99
91) Benzo(g,h,i)perylene	21.72	276	20394	2.553	ng	92

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

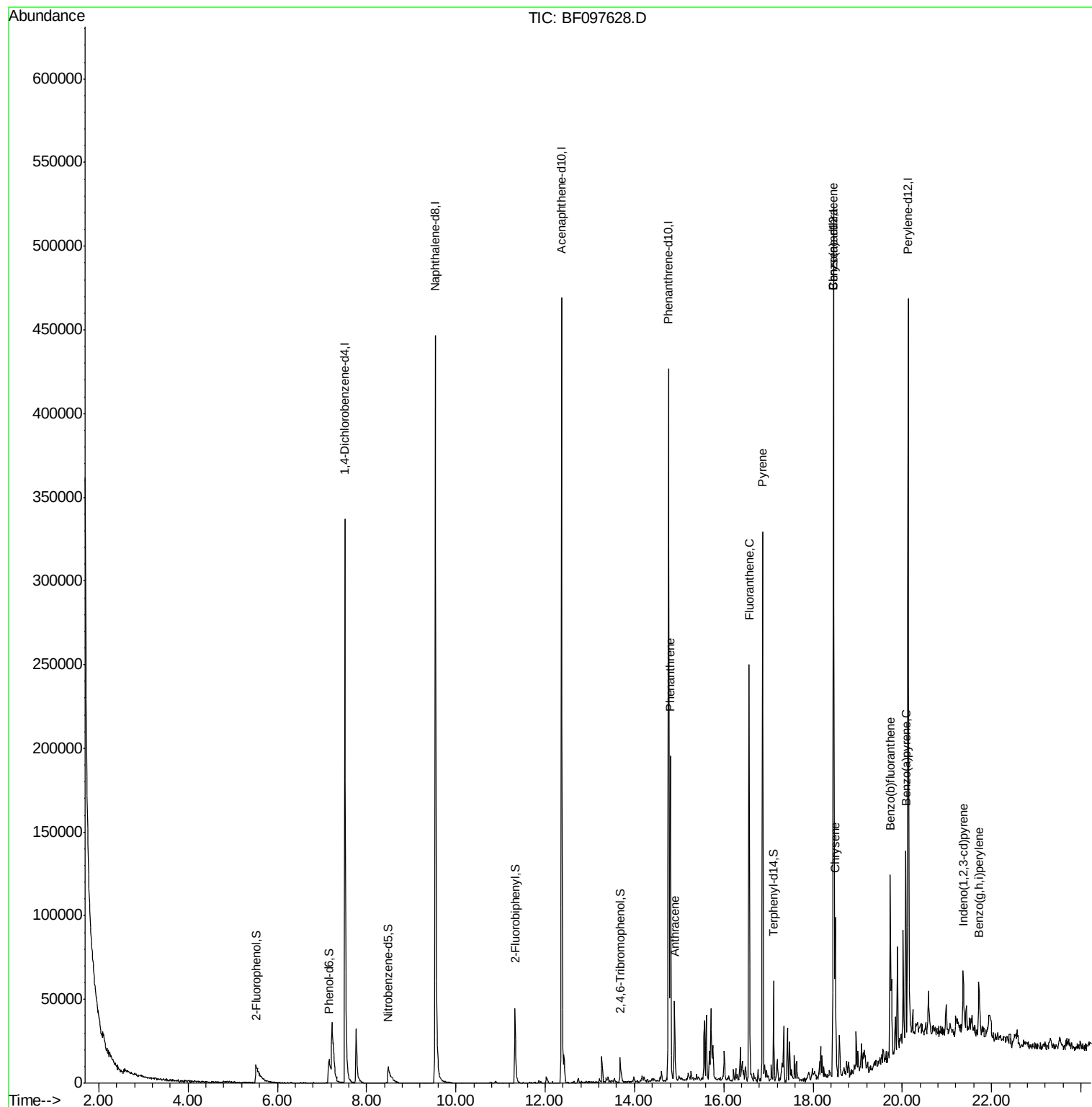
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097628.D
Acq On : 12 Aug 2017 9:19
Operator : SJ/JU
Sample : I4736-10 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

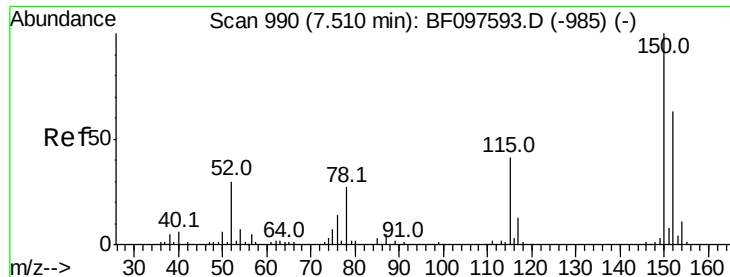
Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

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Quant Time: Aug 14 11:22:26 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

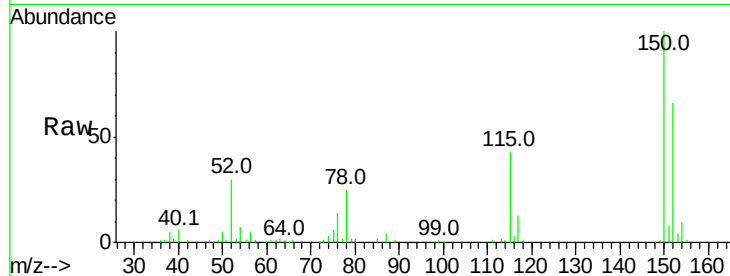
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.51 min Scan# 990
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

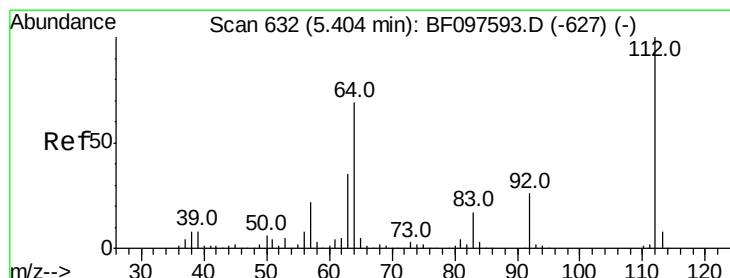
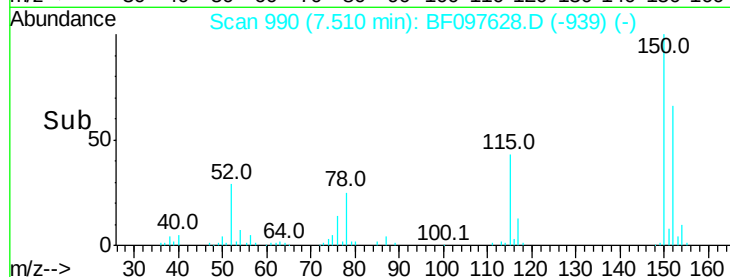
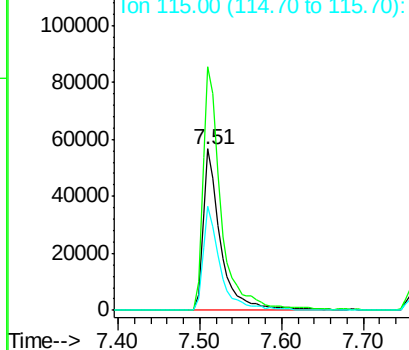
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.2	189.2
115	64.9	52.2	78.2

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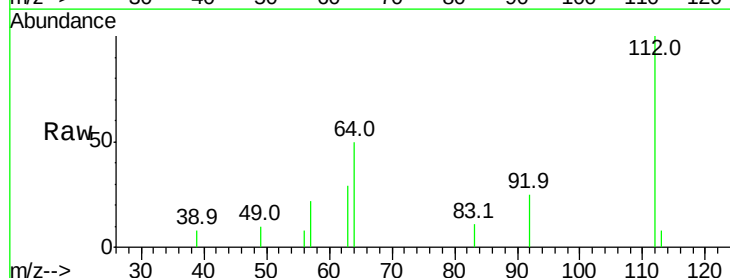
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



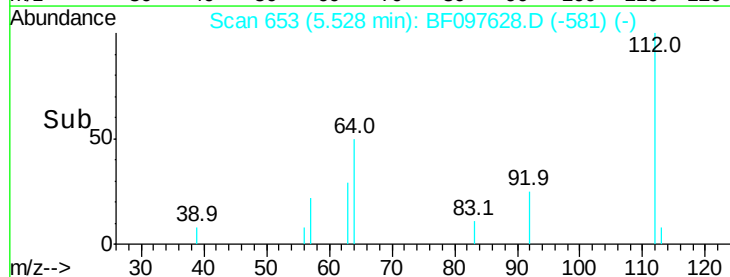
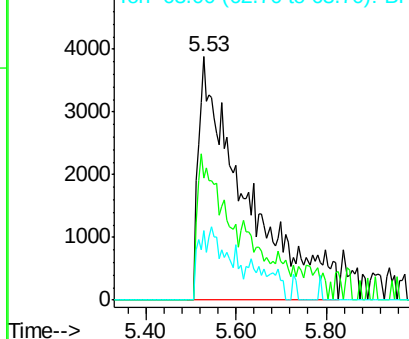
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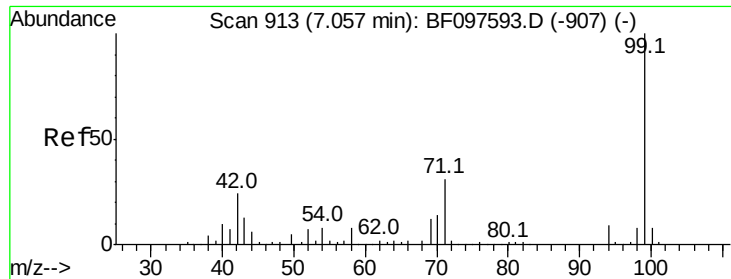
2-Fluorophenol
Concen: 5.332 ng m
RT: 5.53 min Scan# 653
Delta R.T. 0.12 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	46.0	69.0
63	28.7	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

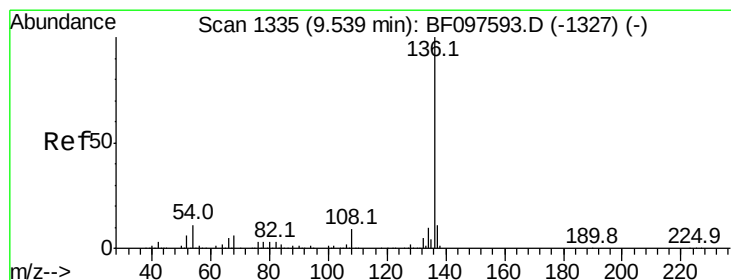
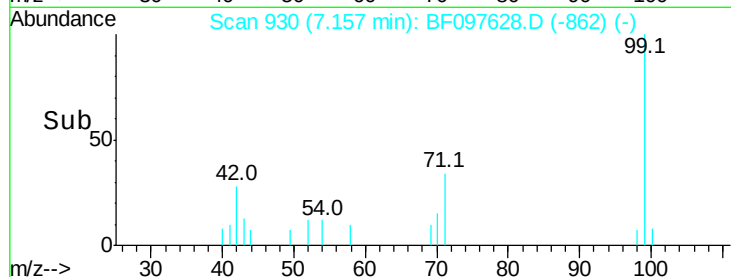
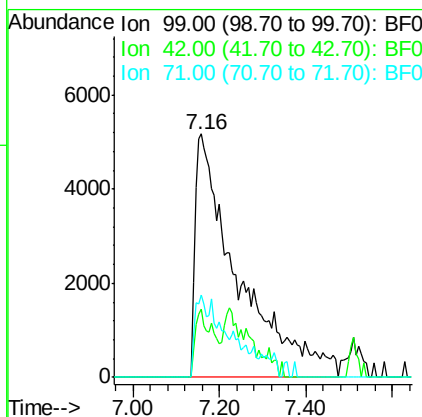
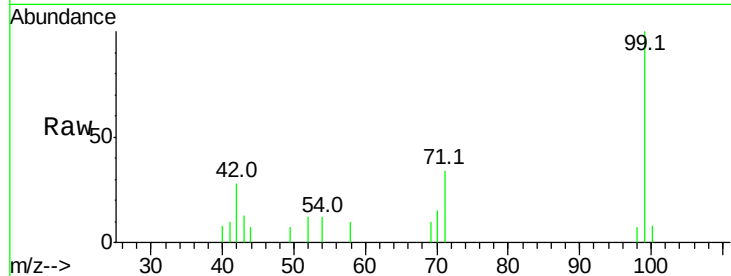
Concen: 5.375 ng/mL
 RT: 7.16 min Scan# 930
 Delta R.T. 0.10 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
99	100	35486		
42	28.1		13.5	20.3#
71	33.7		24.5	36.7

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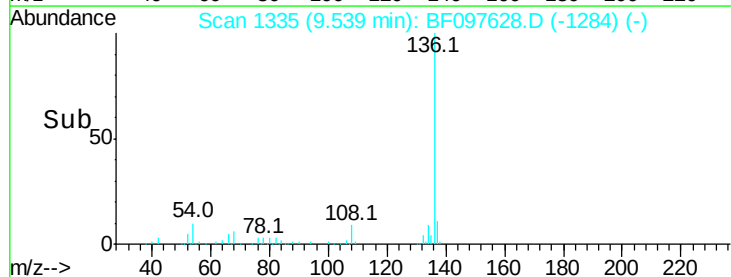
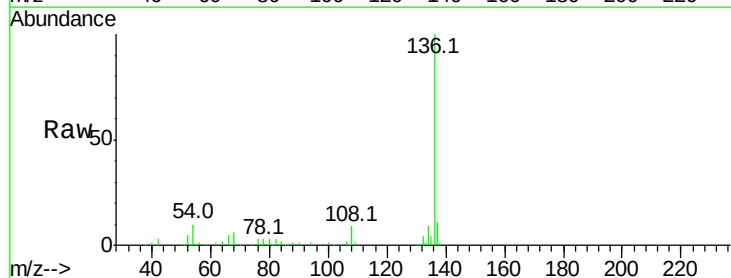
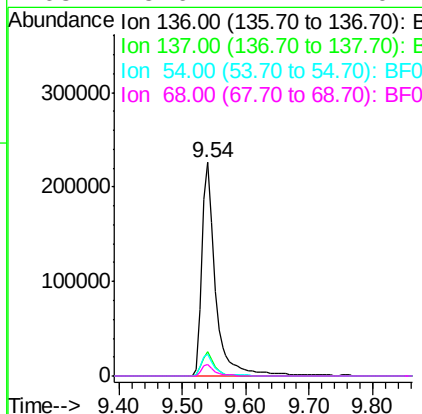


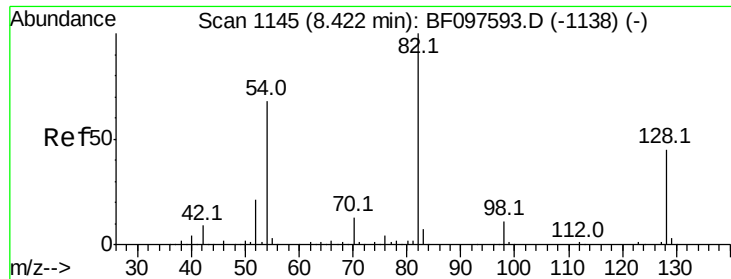
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 9.54 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	336544		
137	11.1		8.5	12.7
54	10.4		4.9	7.3#
68	5.6		4.1	6.1





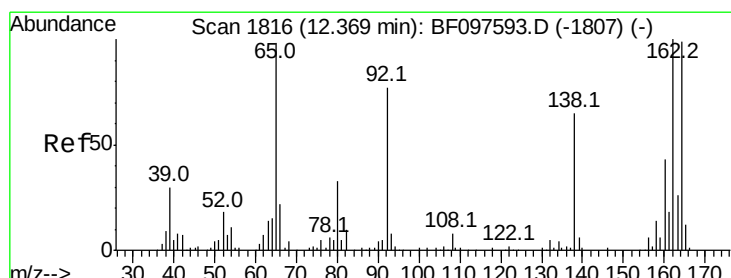
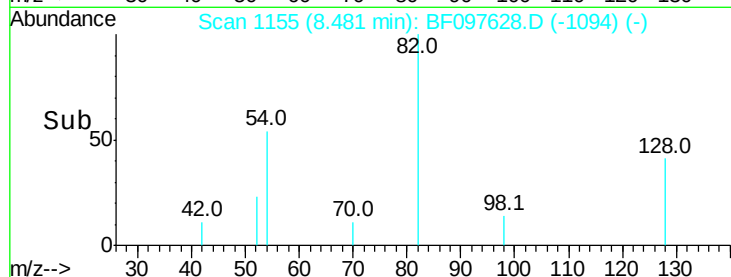
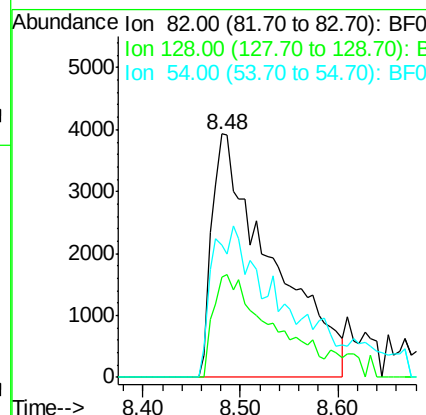
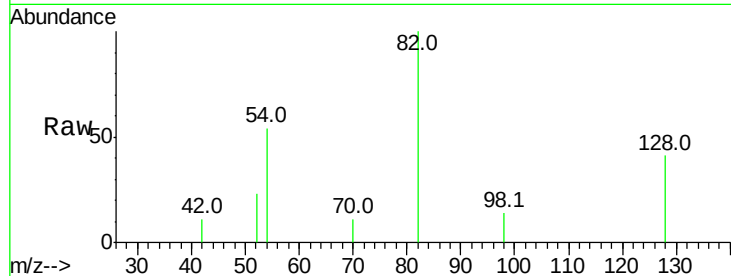
#23
Nitrobenzene-d5
Concen: 3.108 ng
RT: 8.48 min Scan# 1155
Delta R.T. 0.06 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampled :
SB-36-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	54.3	42.2	63.2

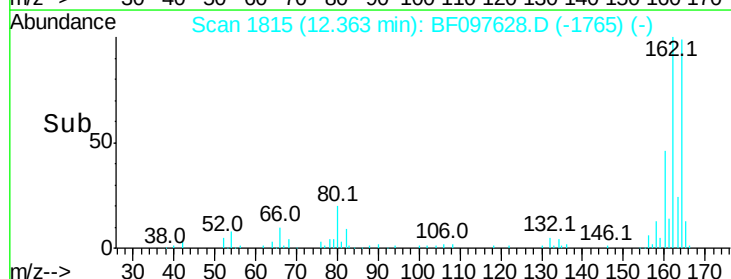
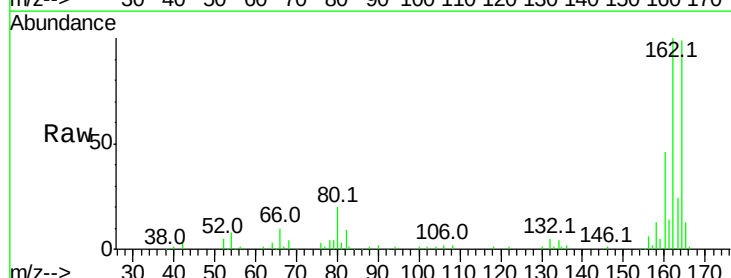
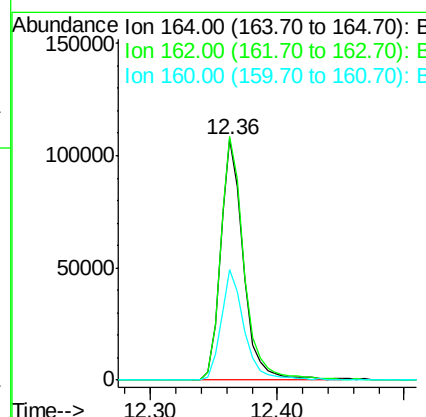
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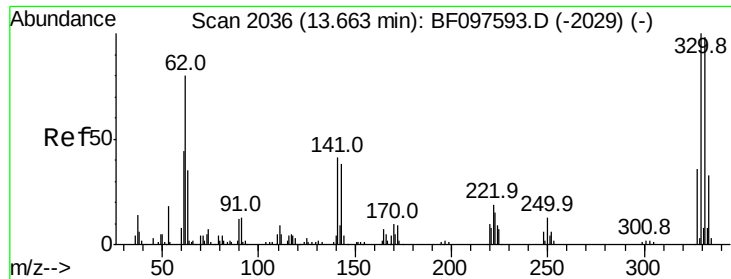
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.36 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF097628.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	46.2	36.2	54.2





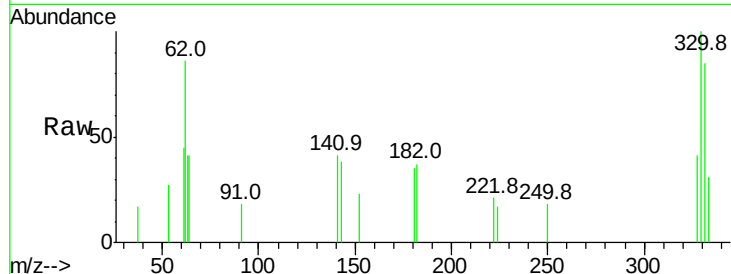
#41
 2,4,6-Tribromophenol
 Concen: 3.213 ng
 RT: 13.69 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Instrument :
 BNA_F
 ClientSampled :
 SB-36-COMP

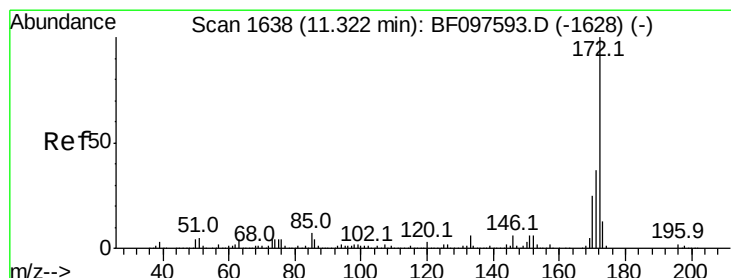
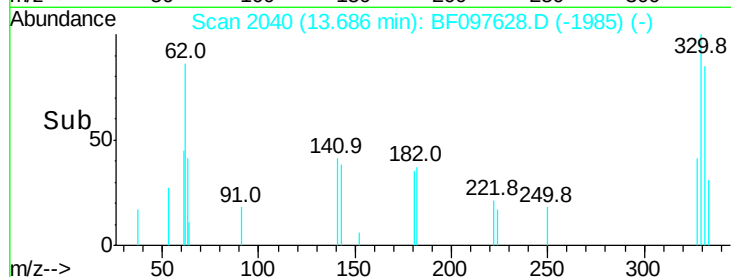
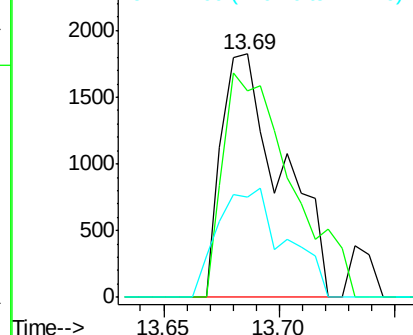
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.9	76.6	115.0	
141	50.2	31.4	47.2	

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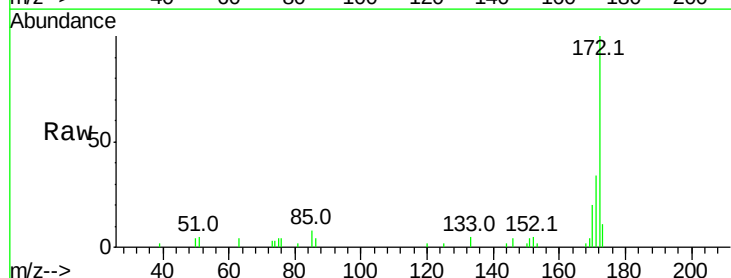


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

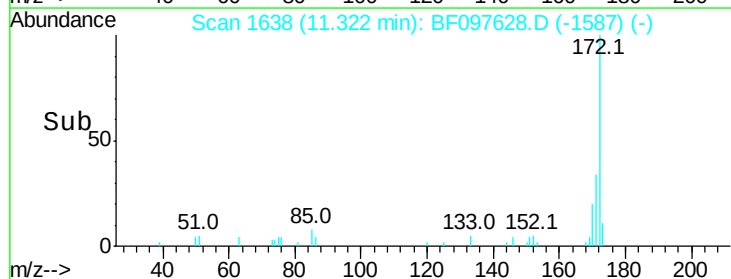
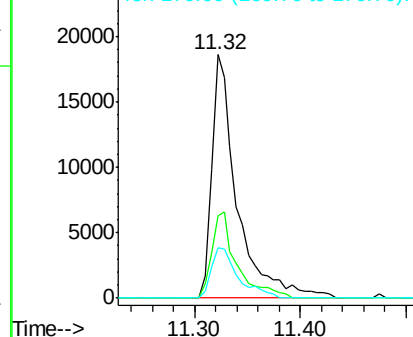


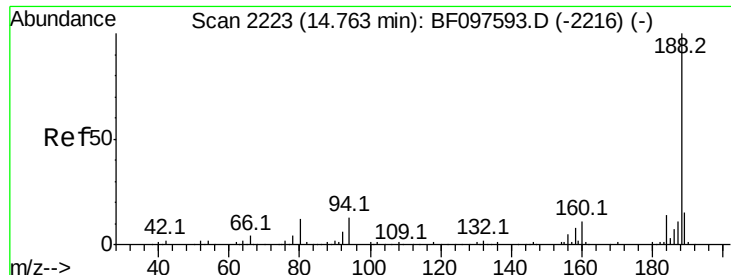
#44
 2-Fluorobiphenyl
 Concen: 3.463 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.7	29.6	44.4	
170	20.5	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





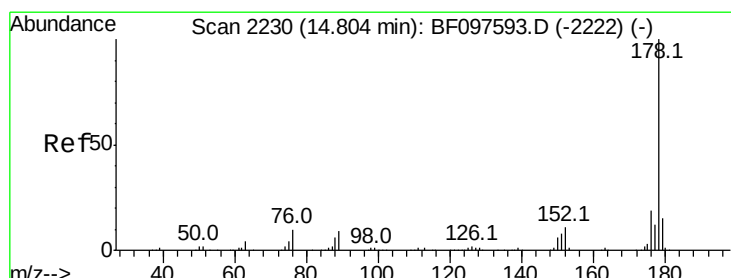
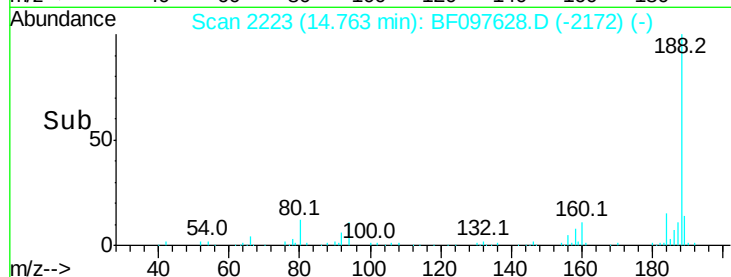
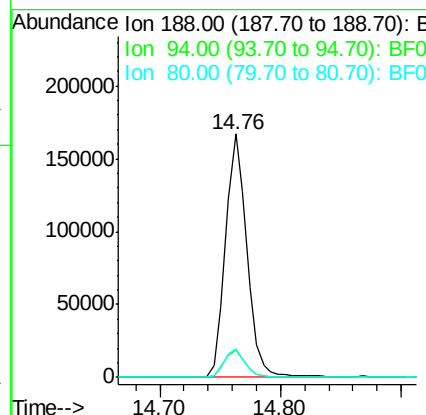
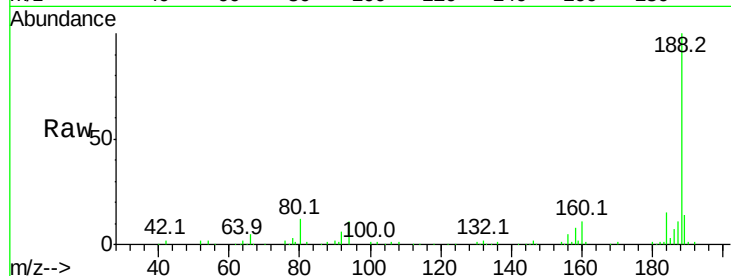
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	204409		
94	11.0		9.4	14.2
80	11.6		10.2	15.2

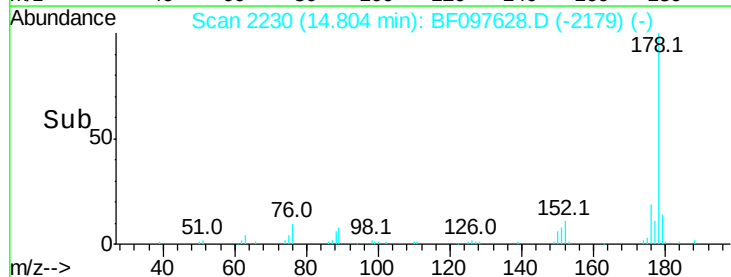
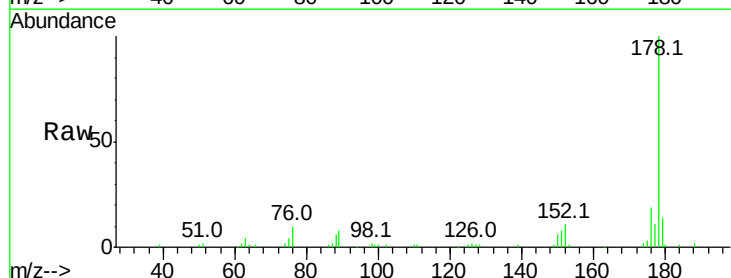
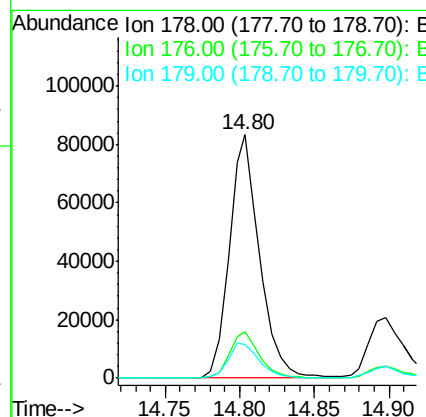
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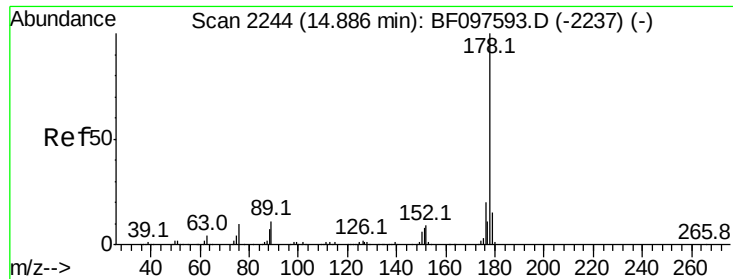
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#70
Phenanthrene
Concen: 10.030 ng
RT: 14.80 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	118086		
176	19.2		16.2	24.4
179	14.0		12.6	19.0





#71

Anthracene

Concen: 2.794 ng

RT: 14.90 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Instrument :

BNA_F

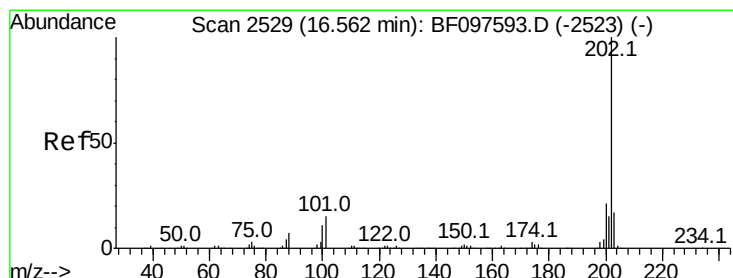
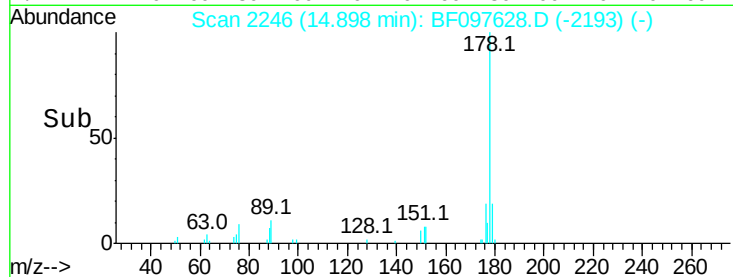
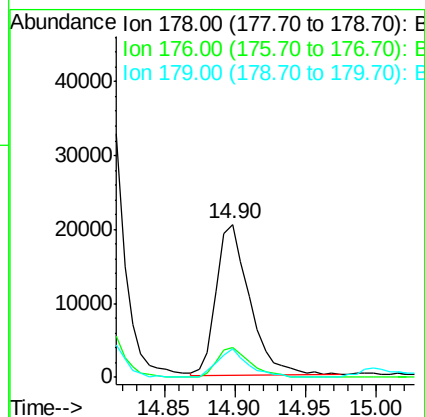
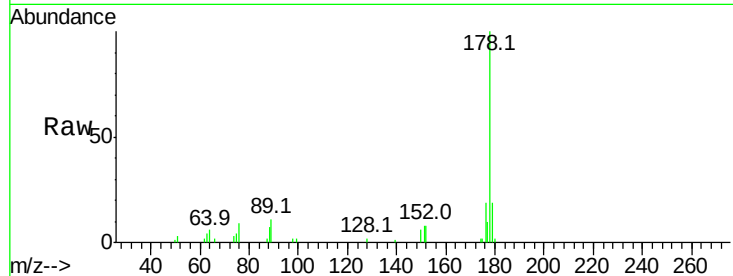
ClientSampleId :

SB-36-COMP

Tot Ion:	178	Resp:	33655
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	18.8	12.7	19.1

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#74

Fluoranthene

Concen: 13.290 ng

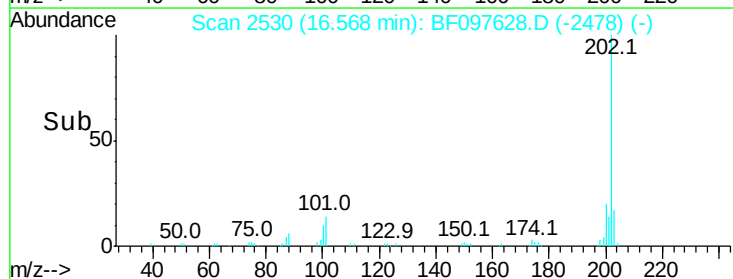
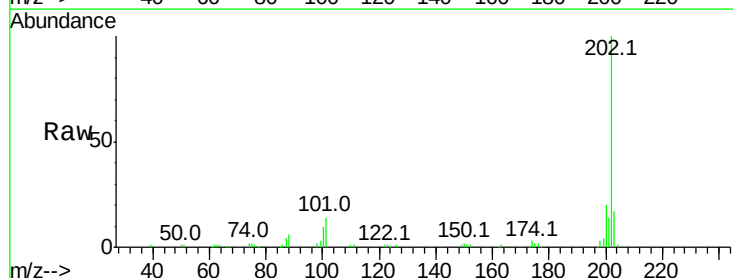
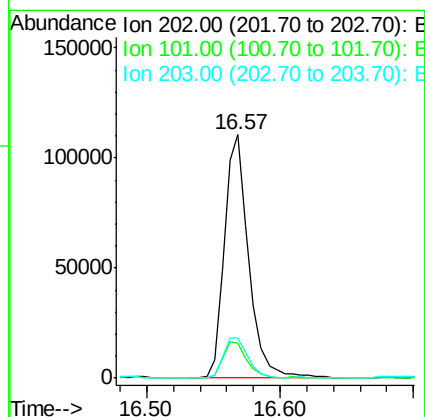
RT: 16.57 min Scan# 2530

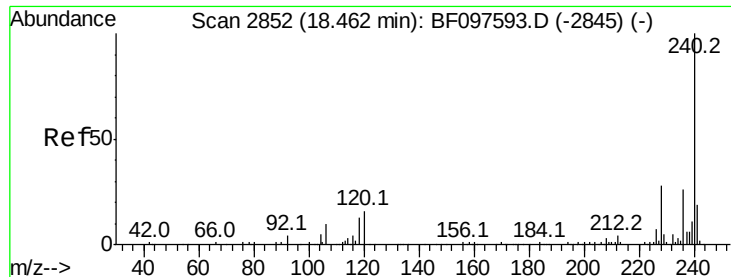
Delta R.T. 0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Tgt Ion:	202	Resp:	141384
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	33.2
203	16.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.46 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Instrument :

BNA_F

ClientSampleId :

SB-36-COMP

Tot Ion:240 Resp: 195738

Ion Ratio Lower Upper

240 100

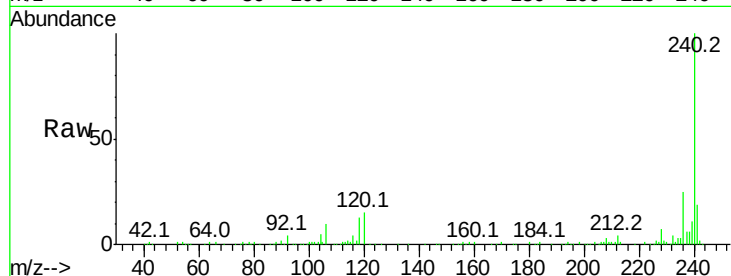
120 15.3 5.8 8.8#

236 24.8 20.5 30.7

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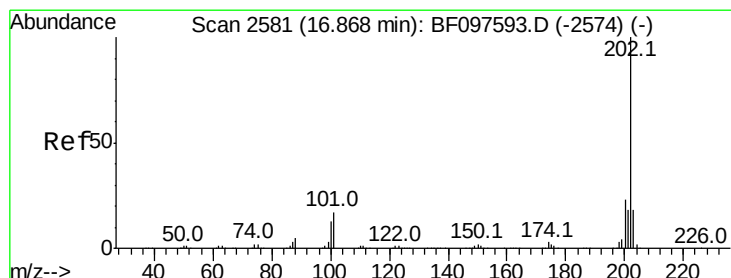
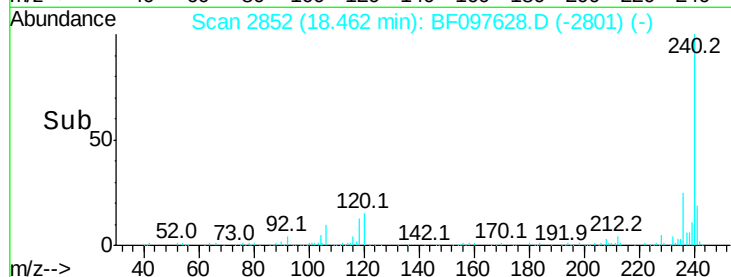
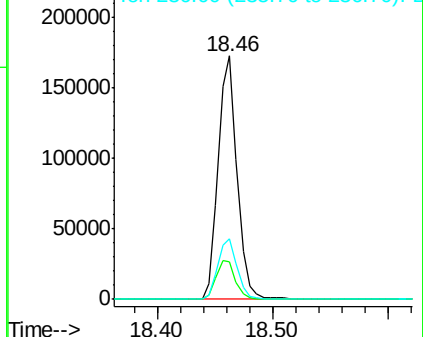
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.902 ng

RT: 16.87 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

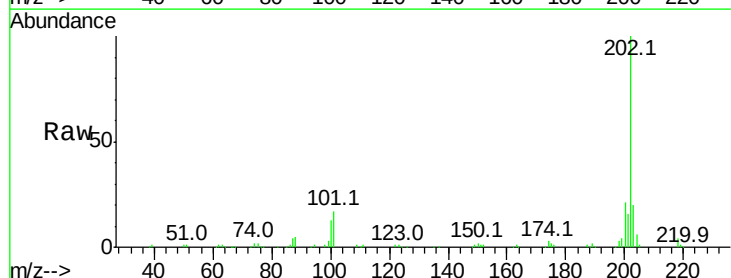
Tgt Ion:202 Resp: 144086

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

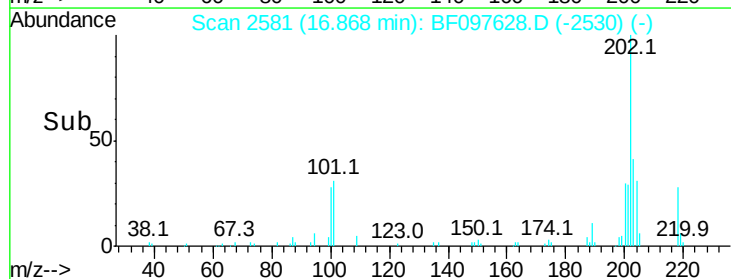
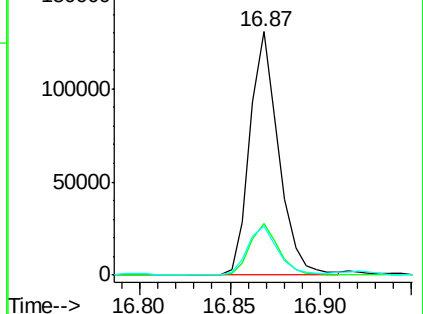
203 20.2 14.4 21.6

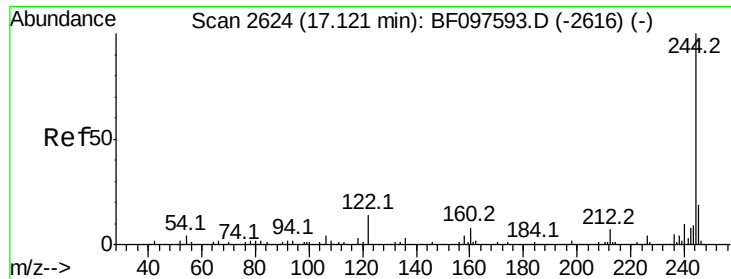


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





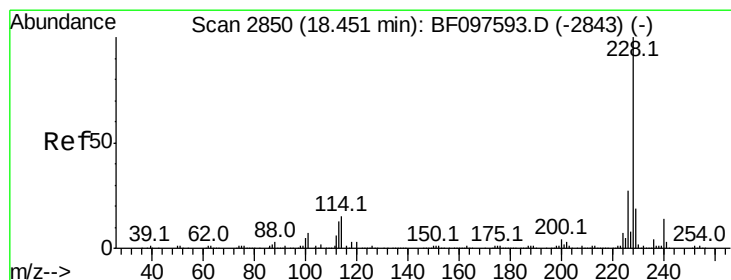
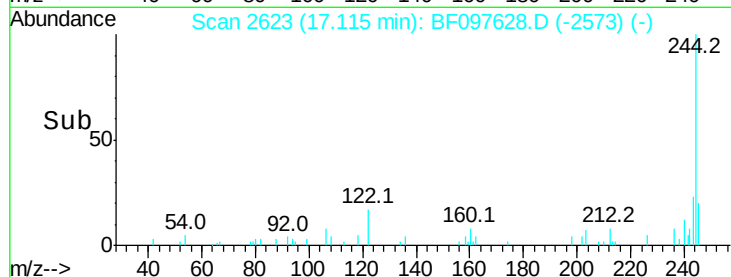
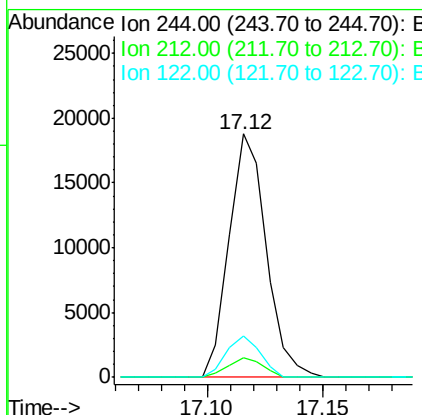
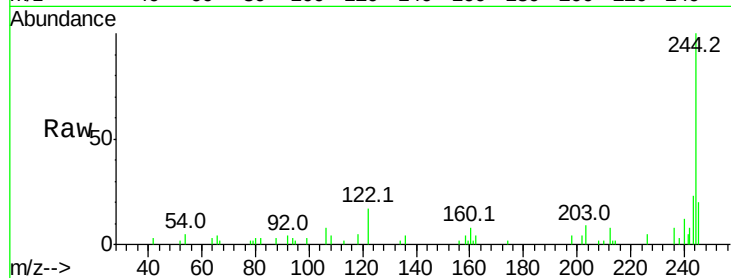
#78
 Terphenyl-d14
 Concen: 2.231 ng
 RT: 17.12 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Instrument :
 BNA_F
 ClientSampled :
 SB-36-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	17.2	10.3	15.5

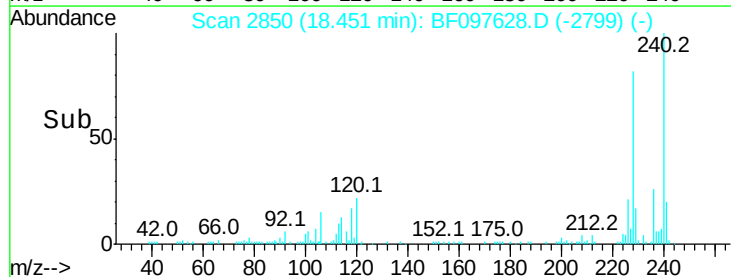
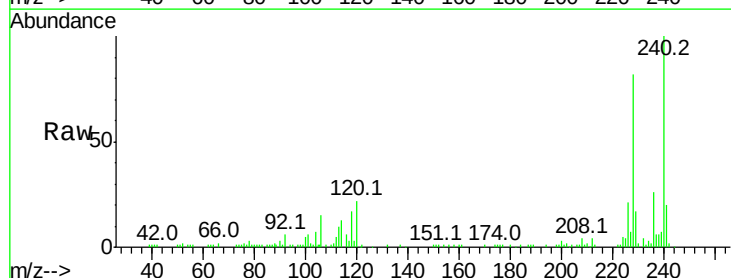
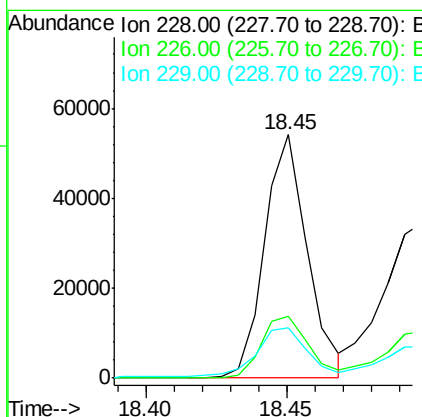
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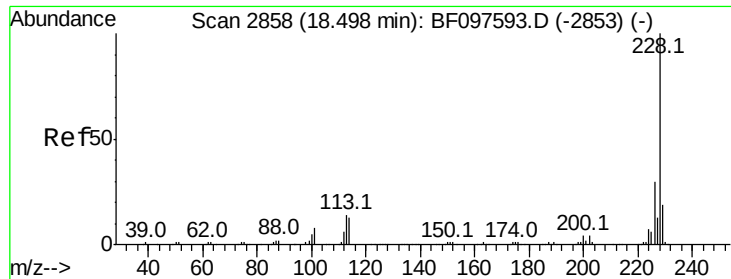
sohil
 8/14/2017 6:55:39 PM



#80
 Benzo(a)anthracene
 Concen: 4.997 ng
 RT: 18.45 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.6	22.6	33.8
229	20.4	16.3	24.5





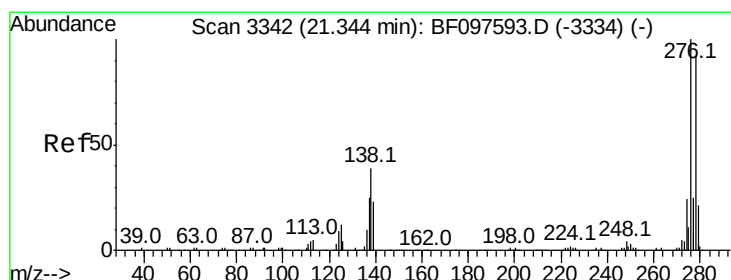
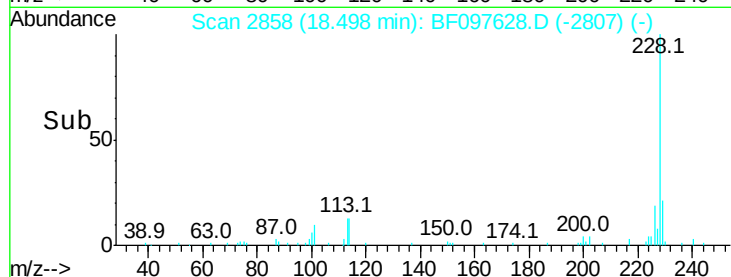
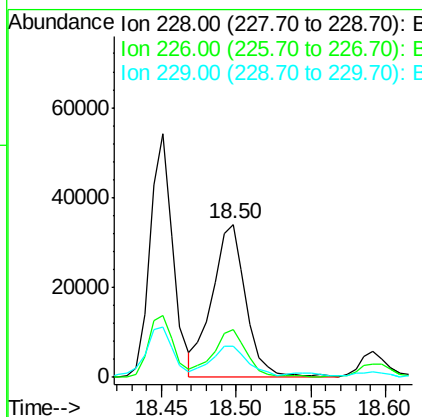
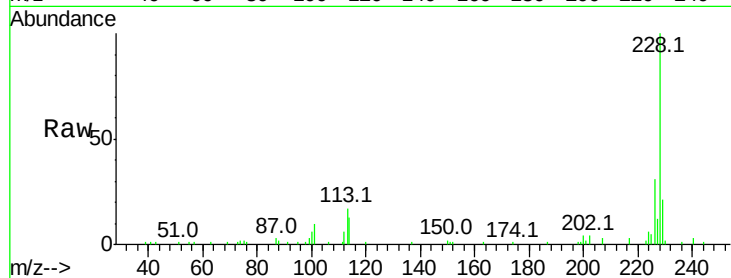
#82
Chrysene
Concen: 4.789 ng
RT: 18.50 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	20.8	15.8	23.6

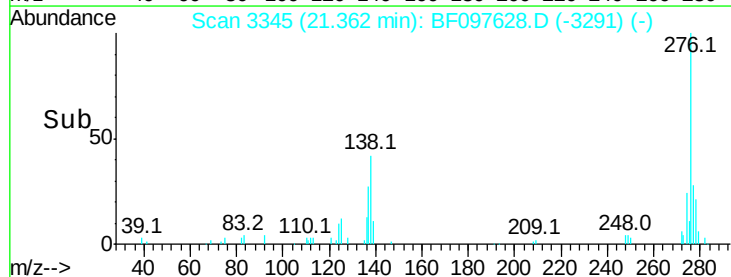
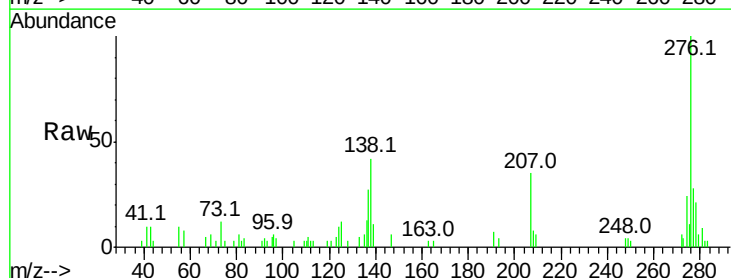
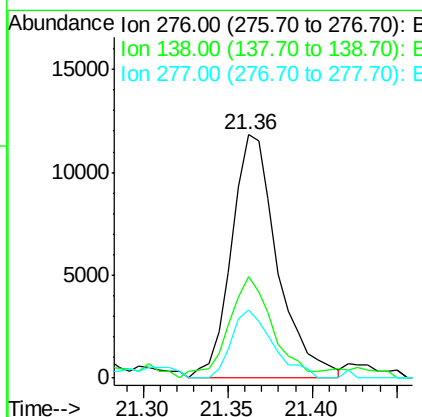
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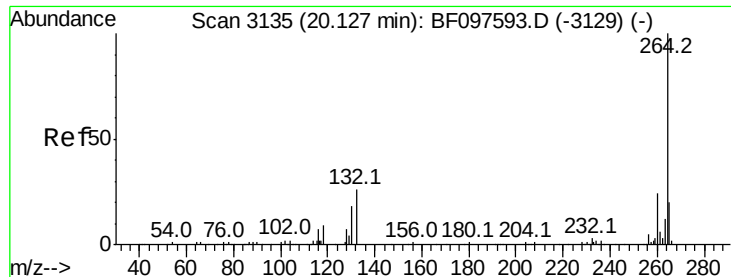
sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.538 ng
RT: 21.36 min Scan# 3345
Delta R.T. 0.02 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	40.2	27.8	41.6
277	24.8	20.2	30.4





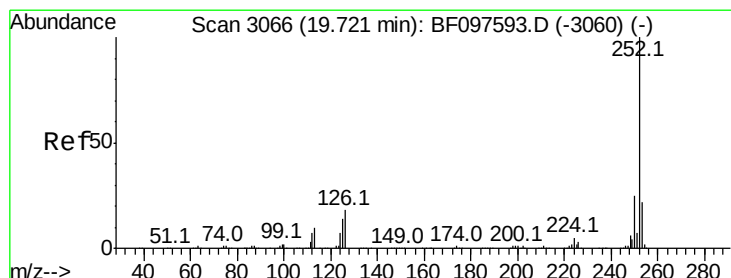
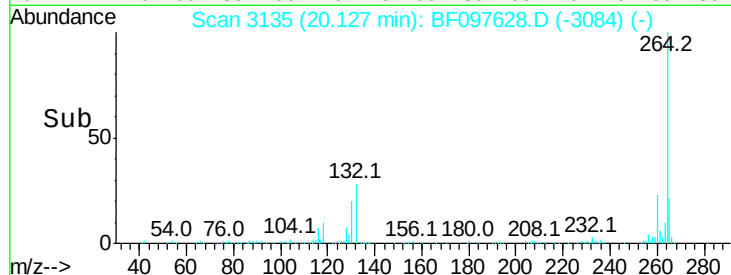
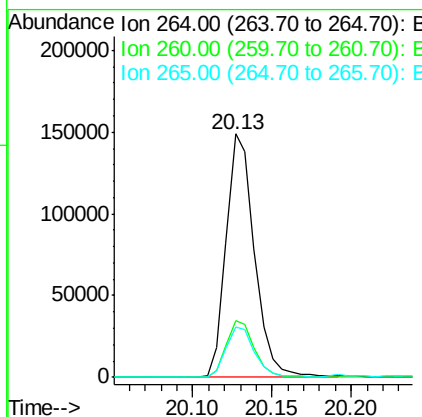
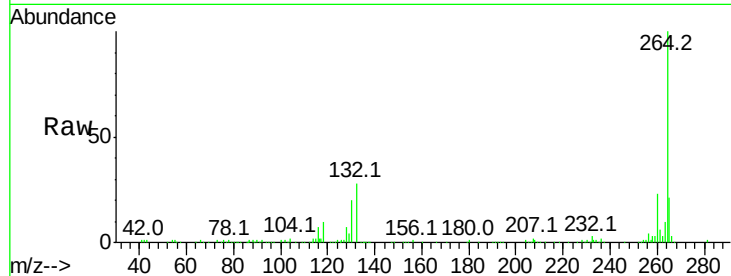
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.13 min Scan# 3135
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.9	17.2	25.8

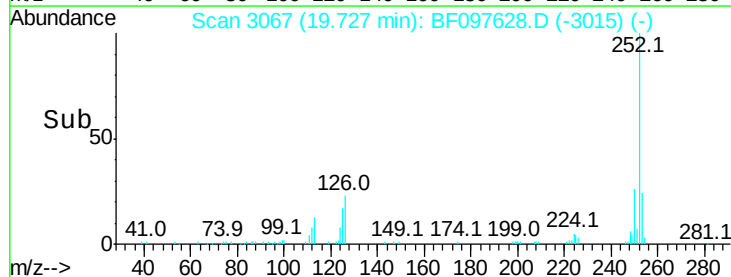
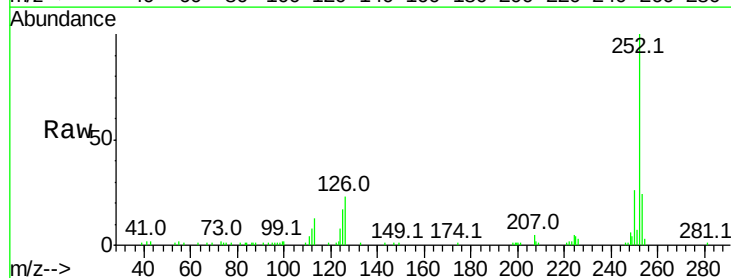
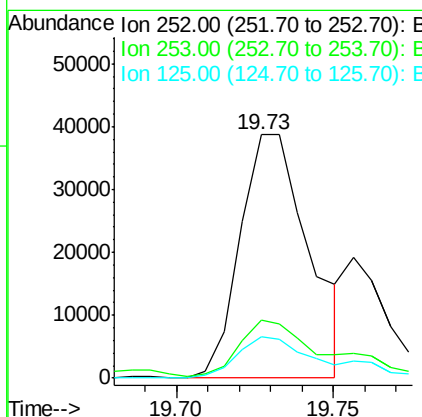
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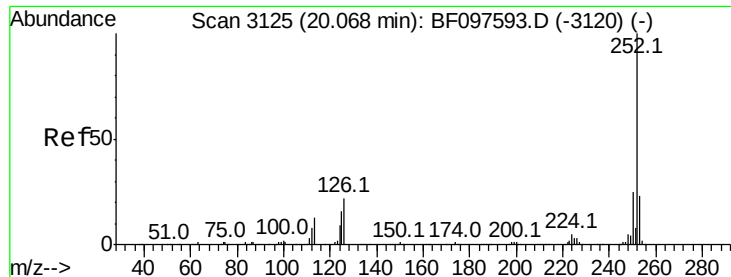
sohil
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#87
Benzo(b)fluoranthene
Concen: 5.362 ng m
RT: 19.73 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	17.2	9.8	14.8#





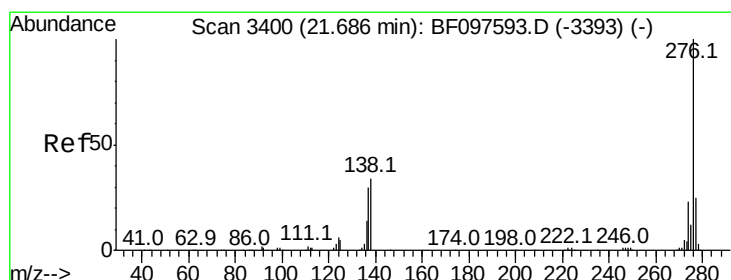
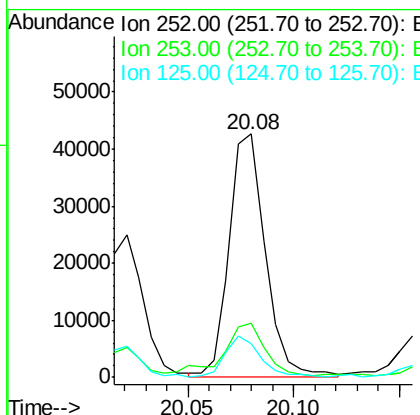
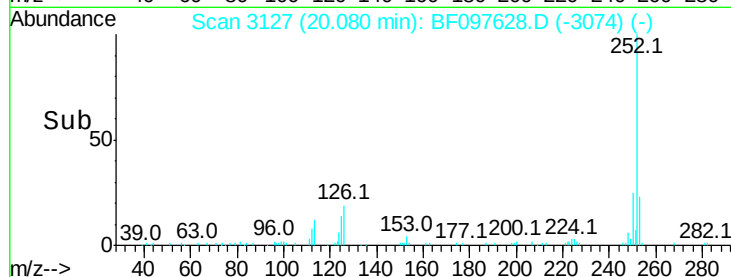
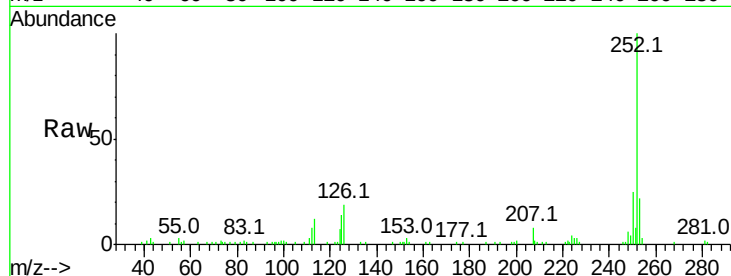
#89
Benzo(a)pyrene
Concen: 5.005 ng
RT: 20.08 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampled :
SB-36-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.7	11.0	16.4

Manual Integrations
APPROVED

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8/14/2017 6:55:39 PM



#91
Benzo(g,h,i)perylene
Concen: 2.553 ng
RT: 21.72 min Scan# 3406
Delta R.T. 0.04 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	21.2	18.6	28.0
138	37.9	25.4	38.0

