

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097732.D
 Acq On : 16 Aug 2017 11:04
 Operator : SJ/JU
 Sample : I4751-10DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMPDL

Manual Integrations
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Sohil
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Quant Time: Aug 16 12:23:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125957	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	479726	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	187131	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	277710	20.00	ng	0.00
75) Chrysene-d12	13.94	240	264079	20.00	ng	0.00
86) Perylene-d12	15.37	264	206614	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	100444	12.13	ng	0.00
7) Phenol-d6	6.40	99	159008	14.13	ng	-0.01
23) Nitrobenzene-d5	7.34	82	87595	9.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	9609	5.92	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	126266	9.91	ng	0.00
78) Terphenyl-d14	12.89	244	75137	5.93	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.85	154	35804	2.867	ng	98
57) Fluorene	10.36	166	37457	2.895	ng	98
70) Phenanthrene	11.33	178	500968	33.853	ng	99
71) Anthracene	11.37	178	109689	7.308	ng	98
72) Carbazole	11.53	167	39035	2.740	ng	99
74) Fluoranthene	12.52	202	686845	44.467	ng	99
77) Pyrene	12.74	202	651727	30.174	ng	98
80) Benzo(a)anthracene	13.93	228	336894	21.286	ng	96
82) Chrysene	13.96	228	300465	19.084	ng	97
85) Indeno(1,2,3-cd)pyrene	16.77	276	102465	8.847	ng	# 90
87) Benzo(b)fluoranthene	14.96	252	341477m	26.220	ng	
88) Benzo(k)fluoranthene	14.99	252	87657m	7.164	ng	
89) Benzo(a)pyrene	15.31	252	218429	18.945	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	25256m	2.691	ng	
91) Benzo(a,h,i)perylene	17.19	276	93694	9.567	ng	93

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

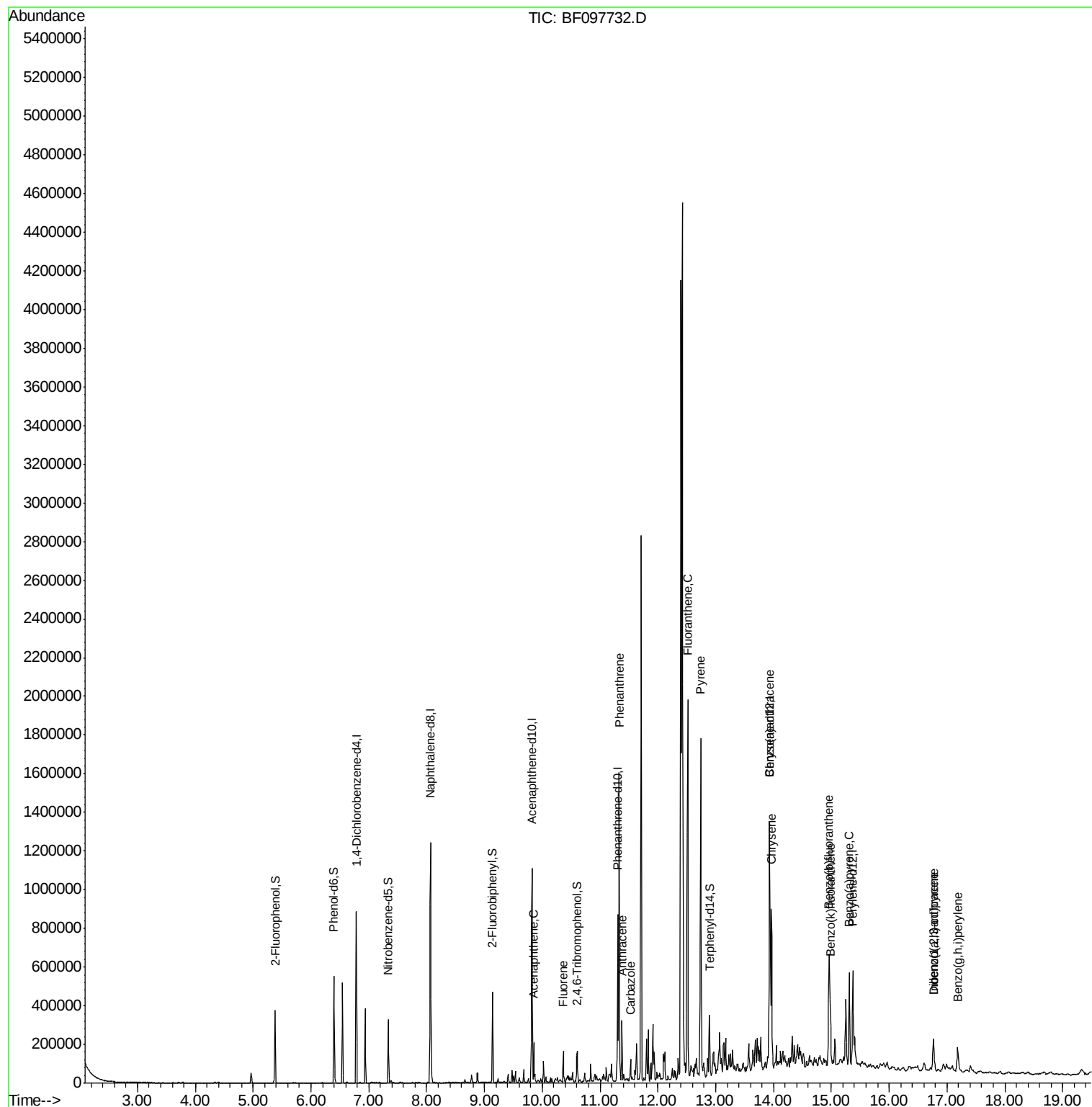
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097732.D
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ALS Vial : 45 Sample Multiplier: 1

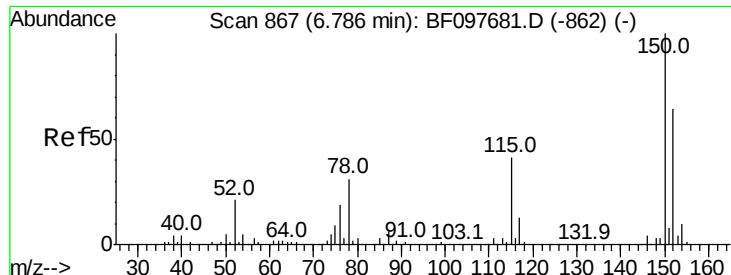
Instrument :
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#1

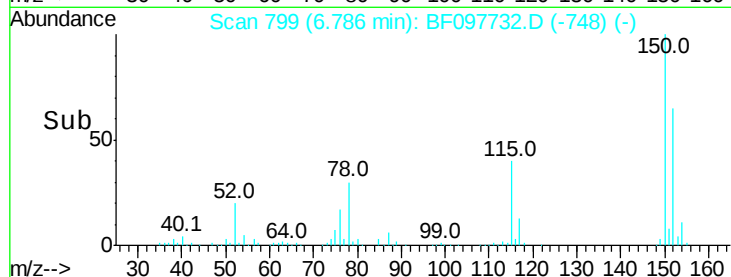
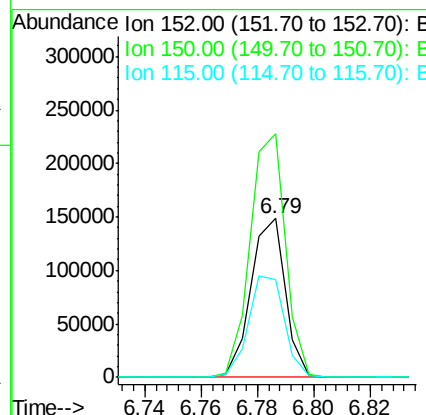
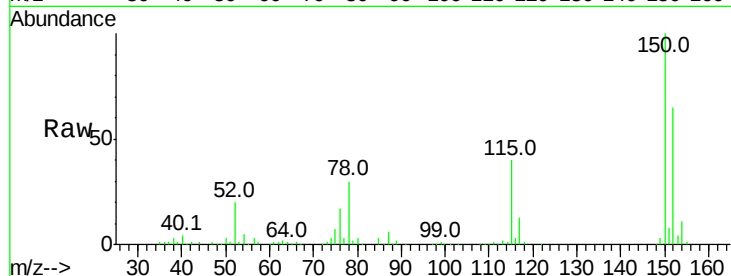
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Instrument :
BNA_F
ClientSampleId :
SB-23-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.2	189.2
115	61.7	52.2	78.2

Manual Integrations
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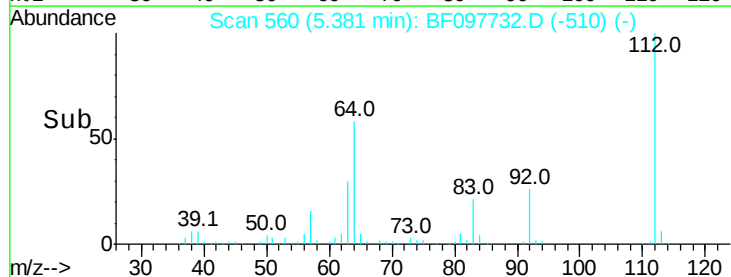
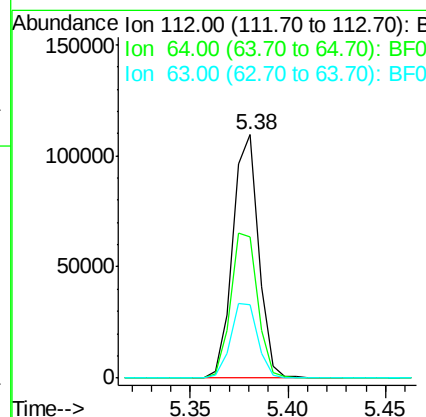
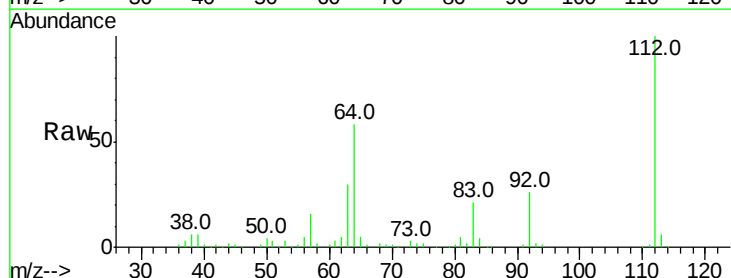
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#5

2-Fluorophenol
Concen: 12.130 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	30.3	23.4	35.0





#7

Phenol-d6

Concen: 14.133 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Instrument :

BNA_F

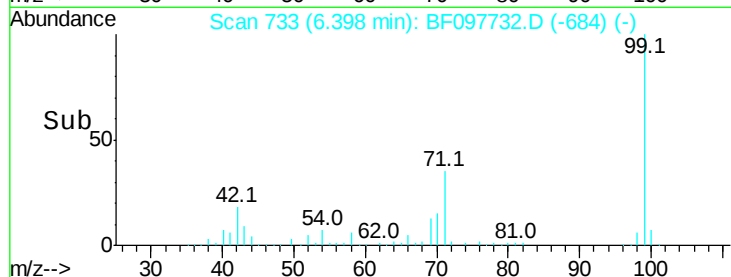
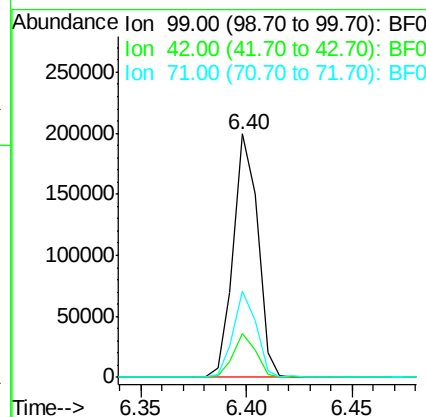
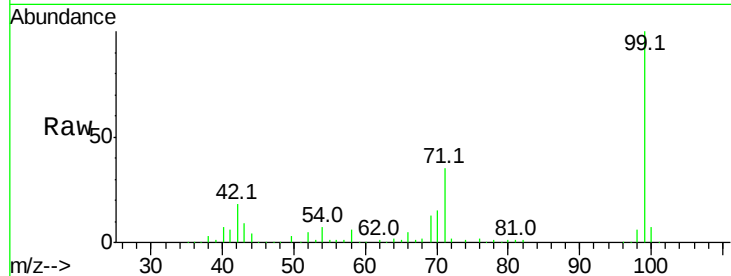
ClientSampled :

SB-23-COMPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		159008		
42	17.9	13.5	20.3		
71	35.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

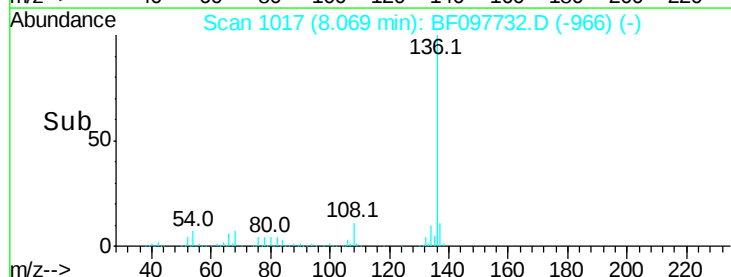
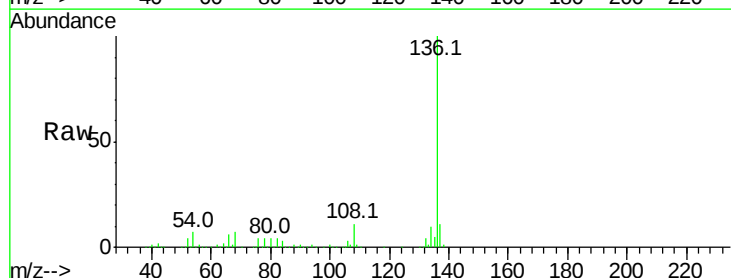
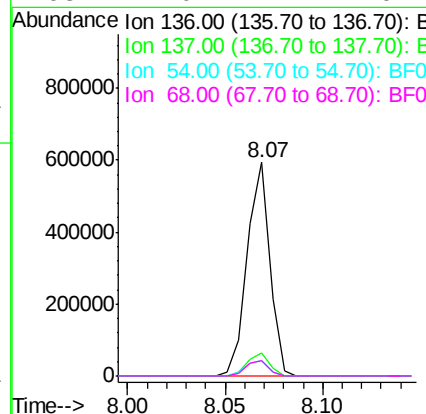
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		479726		
137	11.0	8.5	12.7		
54	7.4	4.9	7.3#		
68	7.0	4.1	6.1#		





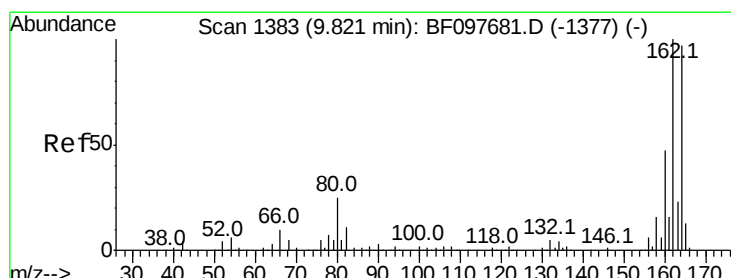
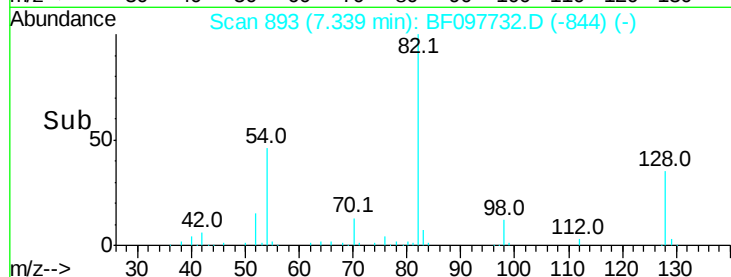
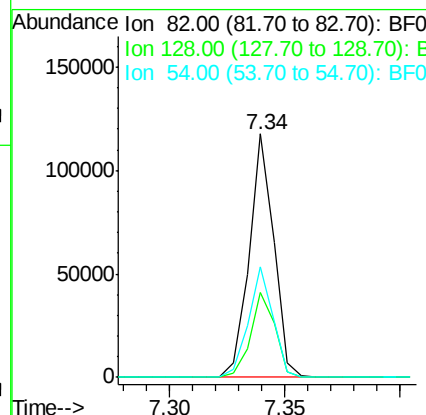
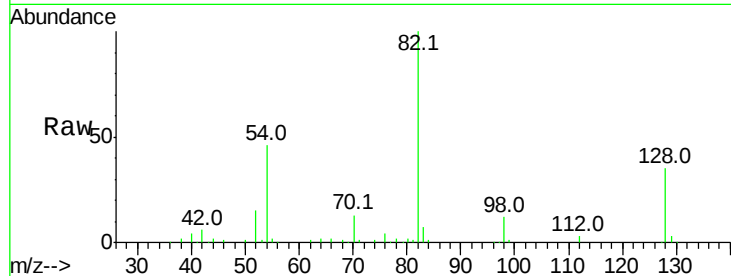
#23
Nitrobenzene-d5
Concen: 9.919 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Instrument :
BNA_F
ClientSampleId :
SB-23-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.0	34.0	51.0
54	45.6	42.2	63.2

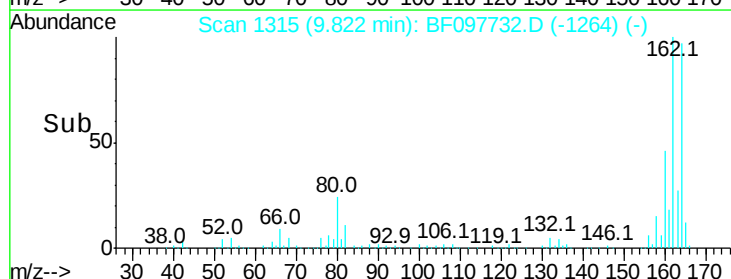
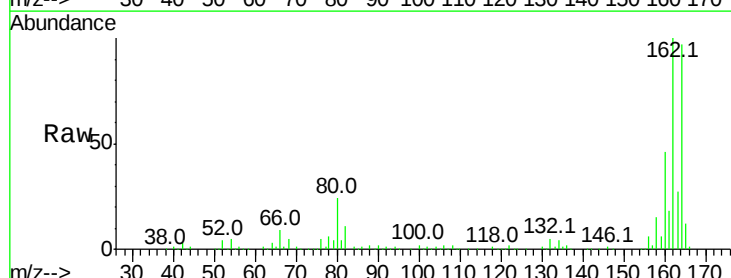
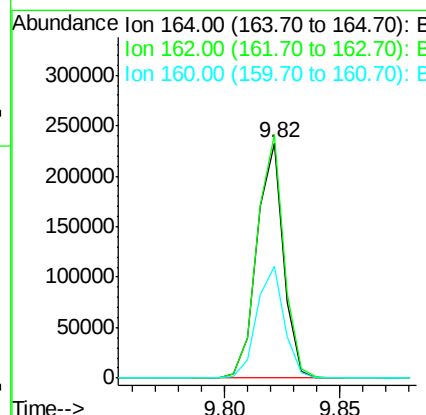
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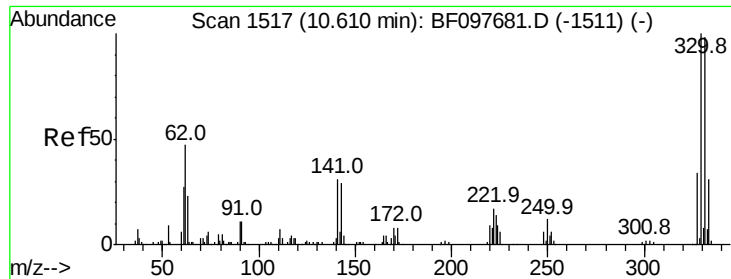
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	47.5	36.2	54.2





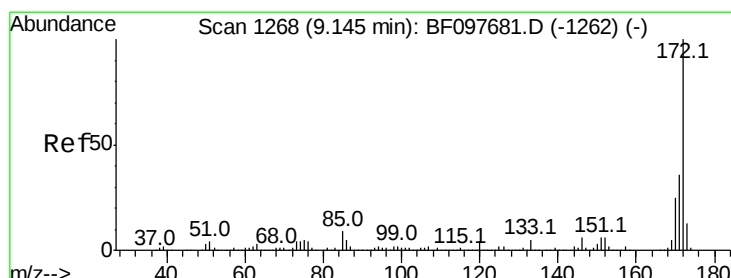
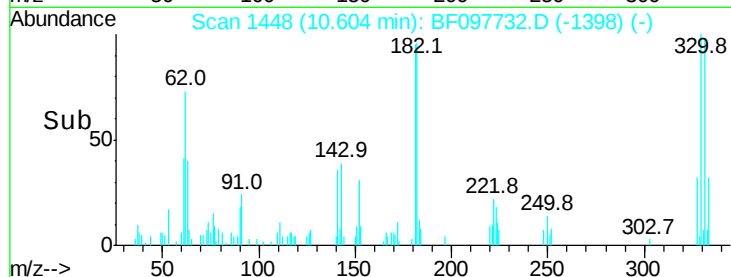
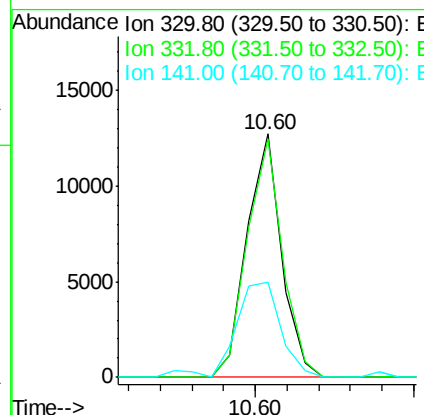
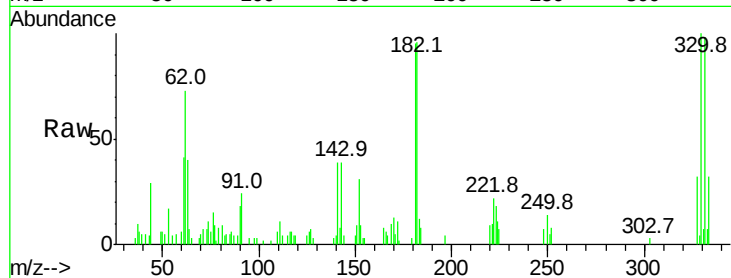
#41
 2,4,6-Tribromophenol
 Concen: 5.918 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMPDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.2	76.6	115.0
141	51.7	31.4	47.2#

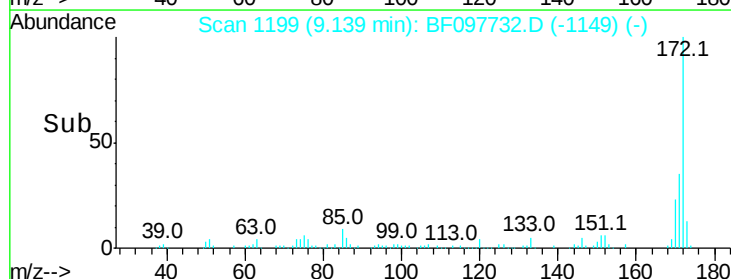
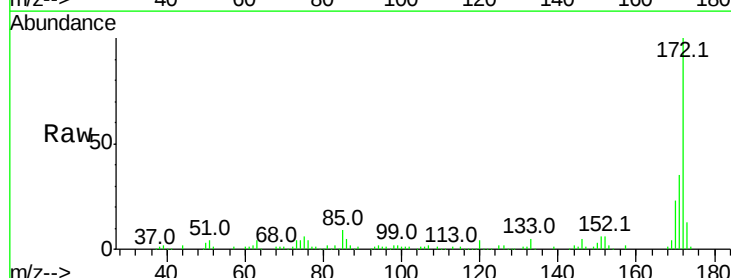
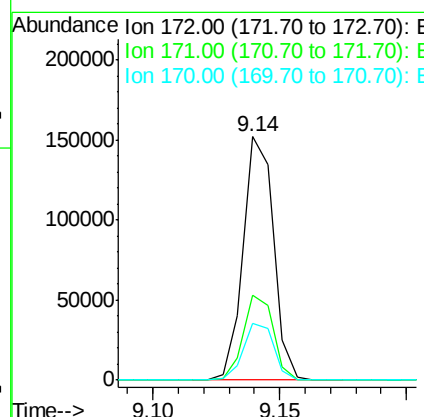
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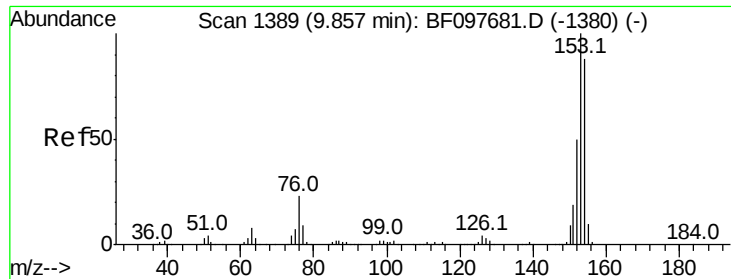
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#44
 2-Fluorobiphenyl
 Concen: 9.913 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.1	19.8	29.8





#51

Acenaphthene

Concen: 2.867 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Instrument :

BNA_F

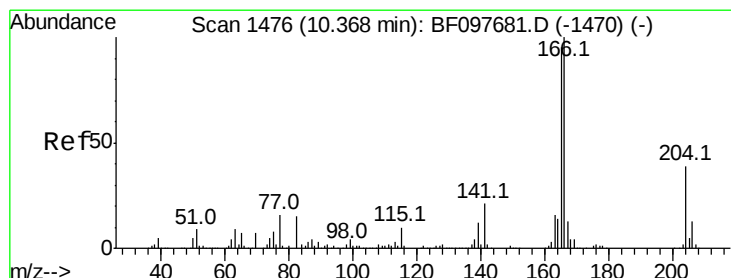
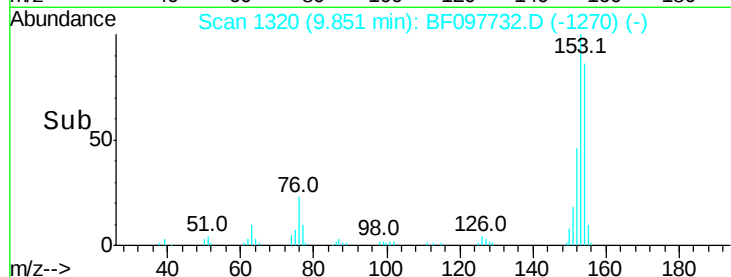
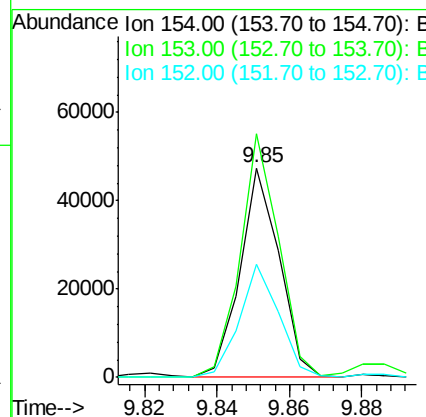
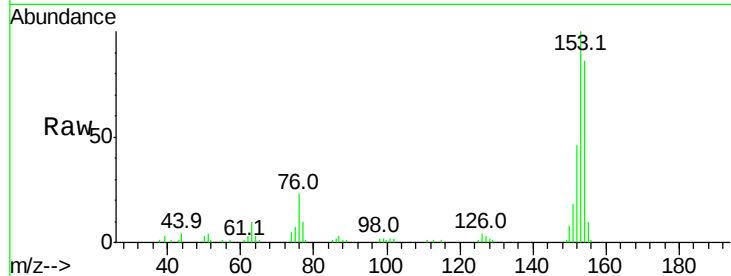
ClientSampleId :

SB-23-COMPDL

Tot Ion:154	Resp:	35804
Ion Ratio	Lower	Upper
154	100	
153	116.3	90.5 135.7
152	53.7	43.6 65.4

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#57

Fluorene

Concen: 2.895 ng

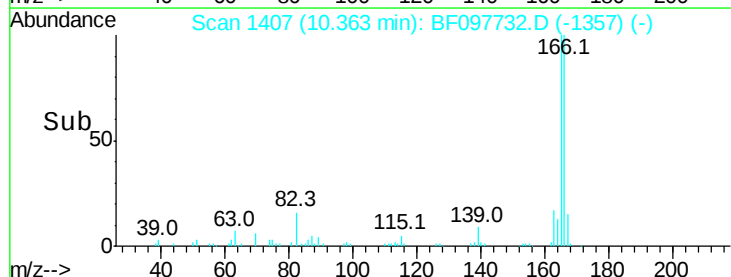
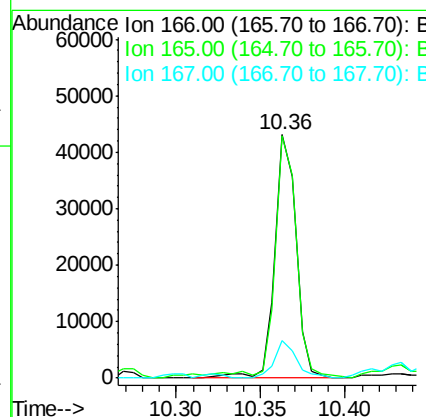
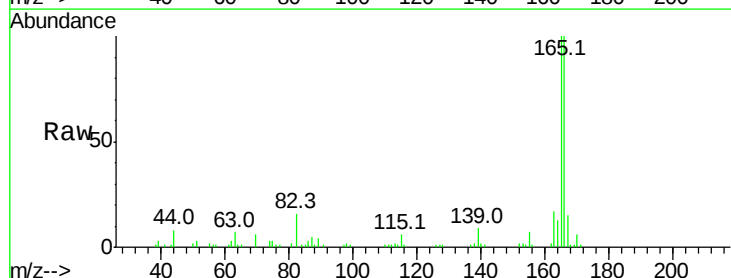
RT: 10.36 min Scan# 1407

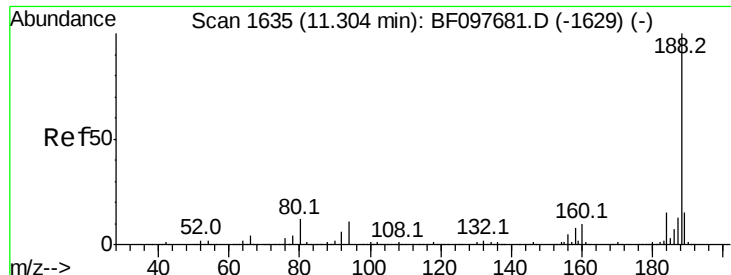
Delta R.T. -0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Tgt Ion:166	Resp:	37457
Ion Ratio	Lower	Upper
166	100	
165	99.7	78.8 118.2
167	15.4	10.6 16.0





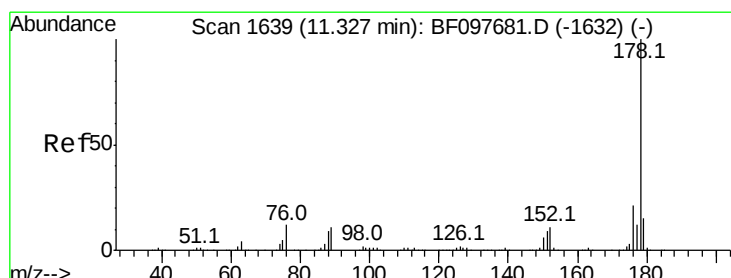
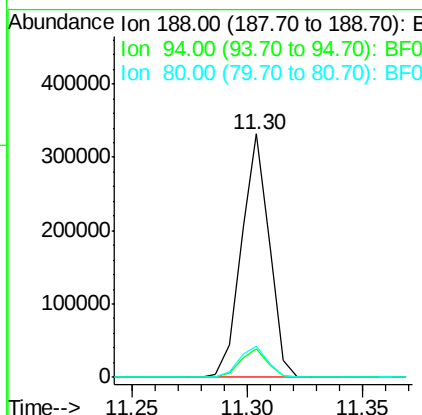
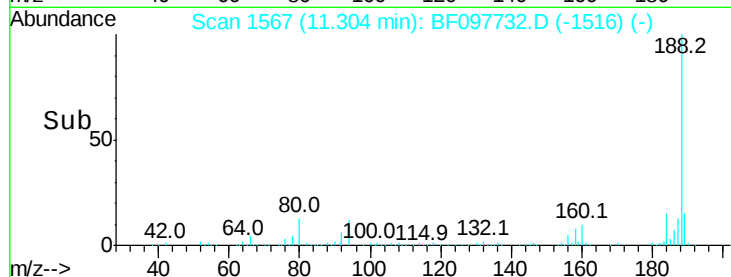
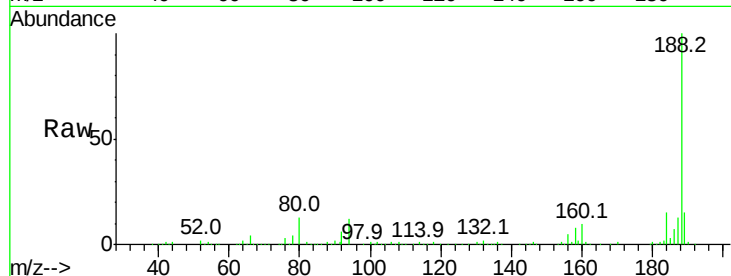
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	277710		
94	11.6		9.4	14.2
80	12.7		10.2	15.2

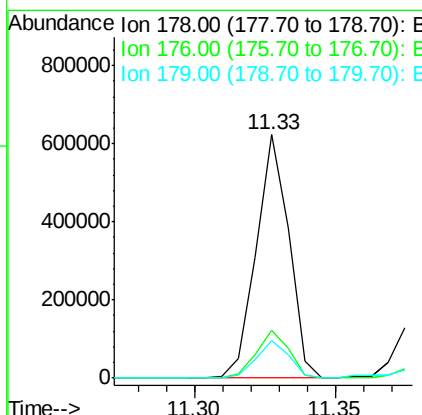
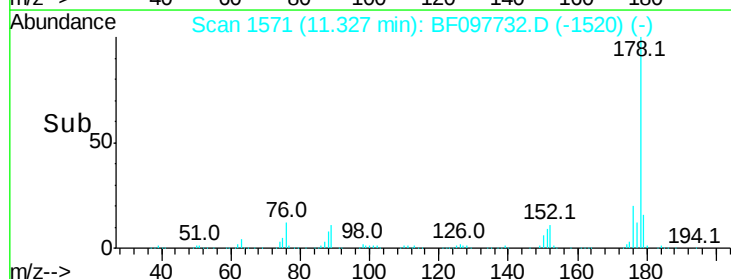
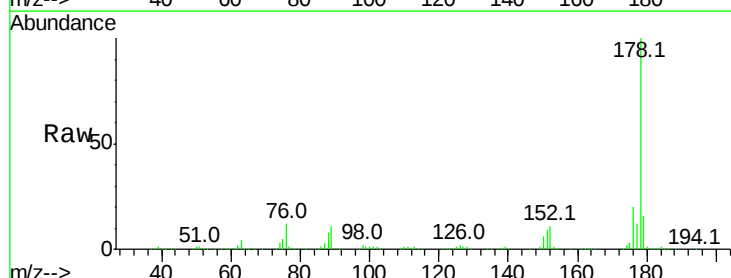
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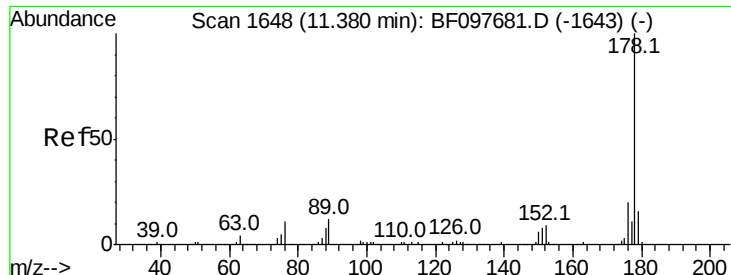
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#70
 Phenanthrene
 Concen: 33.853 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	500968		
176	19.9		16.2	24.4
179	15.7		12.6	19.0





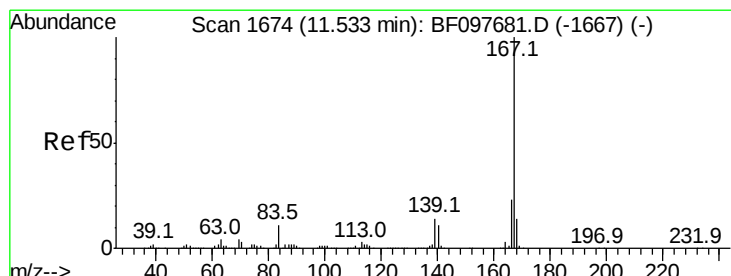
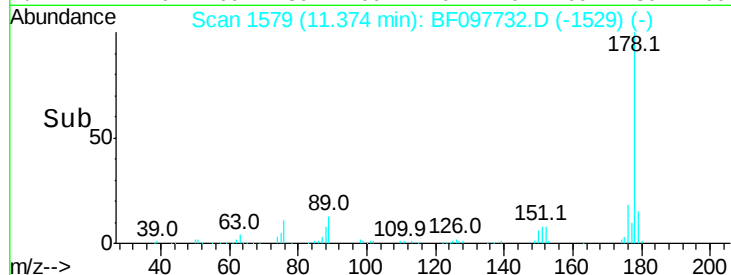
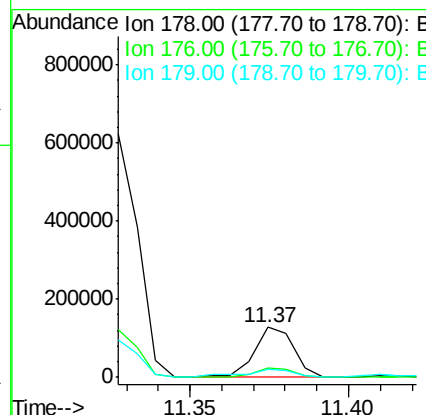
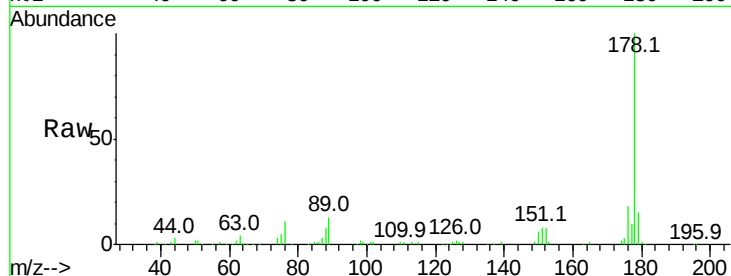
#71
 Anthracene
 Concen: 7.308 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.1	12.7	19.1

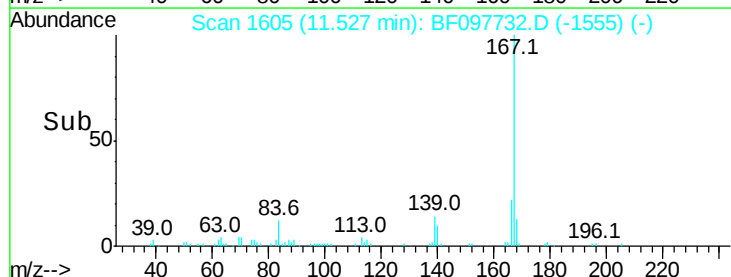
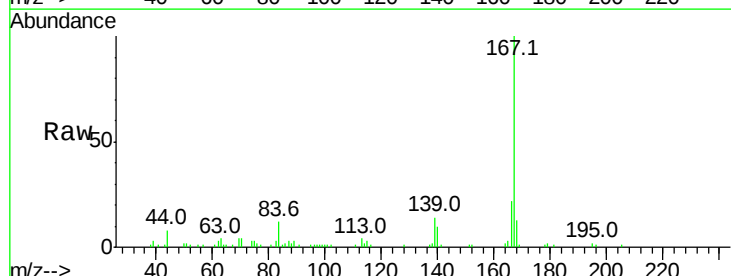
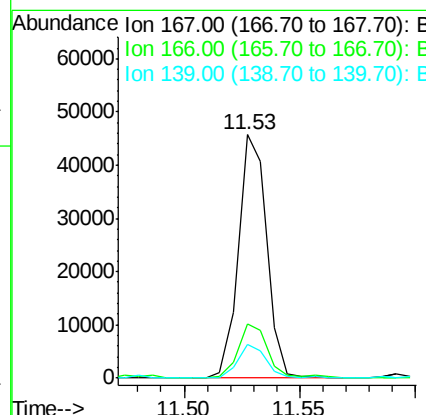
Manual Integrations
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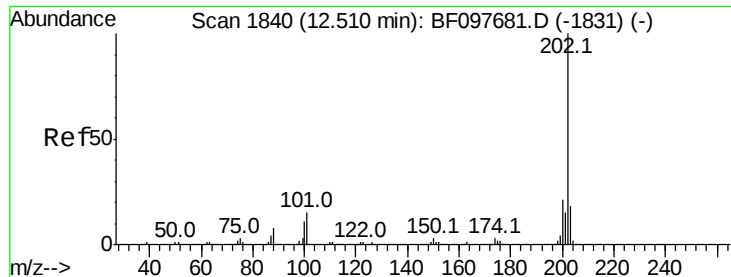
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#72
 Carbazole
 Concen: 2.740 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	14.1	11.7	17.5





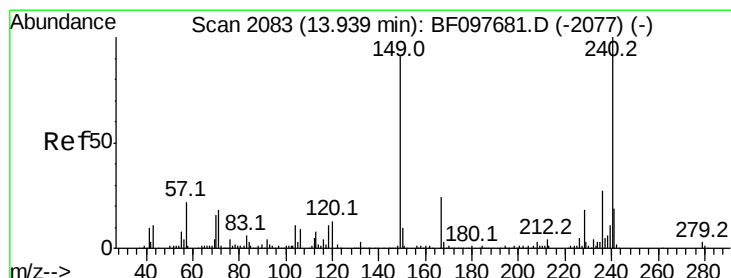
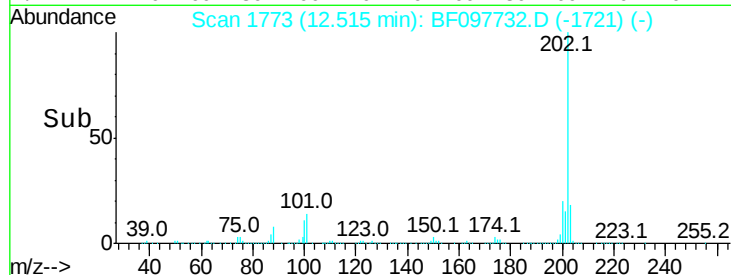
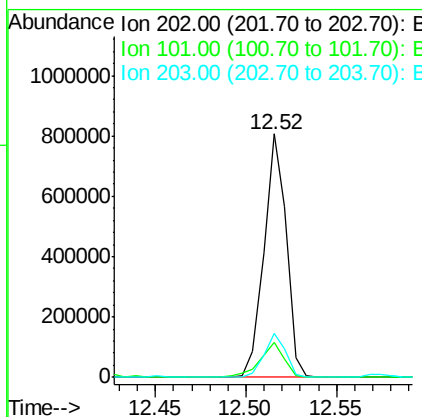
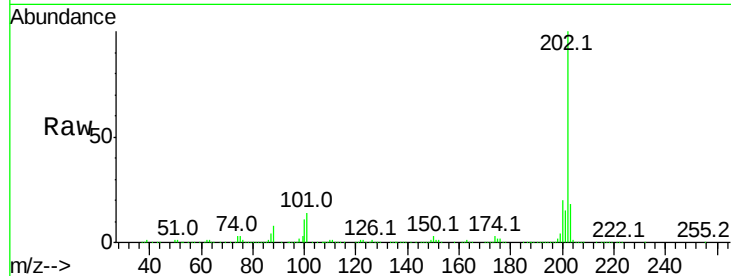
#74
 Fluoranthene
 Concen: 44.467 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	686845		
101	14.3	0.0	33.2	
203	18.0	0.0	38.1	

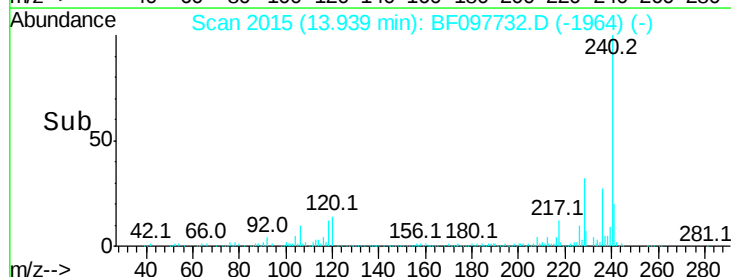
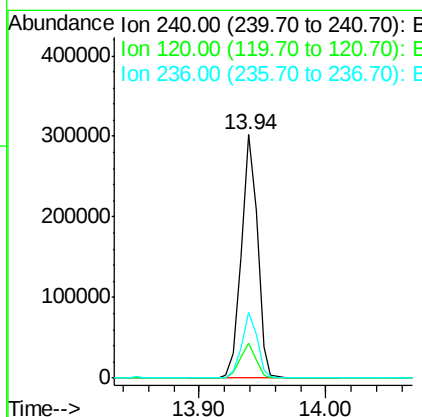
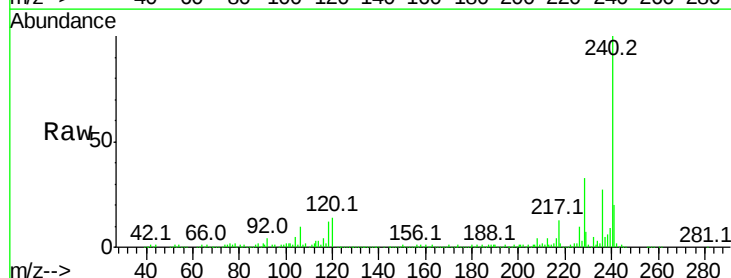
Manual Integrations
 APPROVED

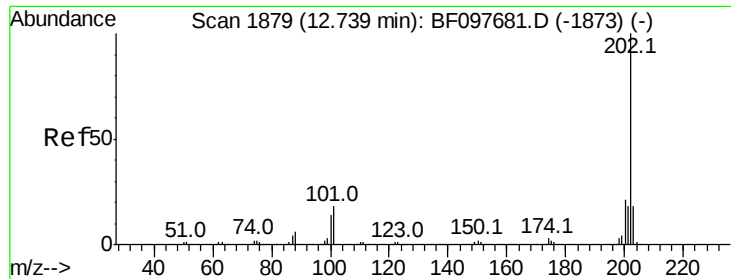
Sohil
 8/16/2017 6:49:34 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	264079		
120	14.2	5.8	8.8#	
236	26.8	20.5	30.7	





#77

Pvrene

Concen: 30.174 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Instrument :

BNA_F

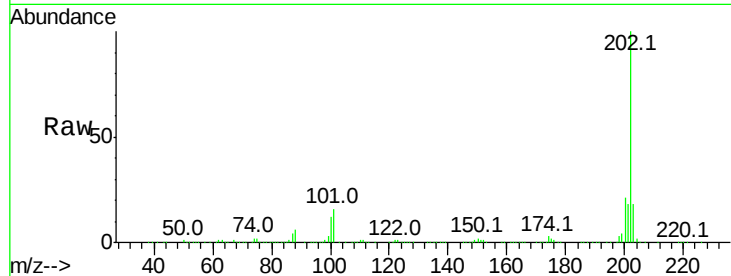
ClientSampleId :

SB-23-COMPDL

Tot Ion:	202	Resp:	651727
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	17.7	14.4	21.6

Manual Integrations
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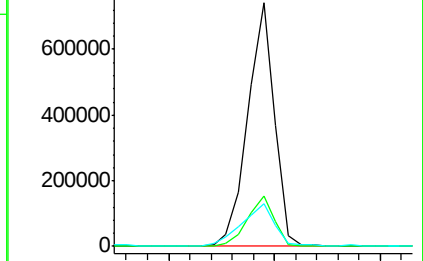
Sohil
8/16/2017 6:49:34 PM



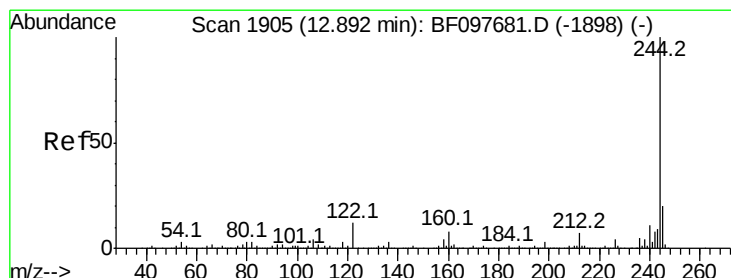
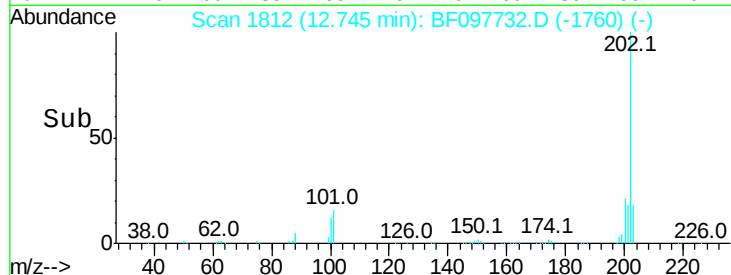
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 5.933 ng

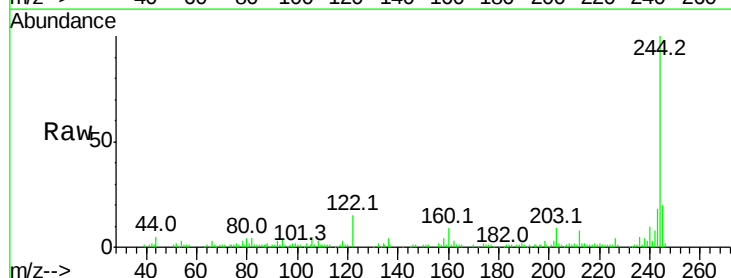
RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

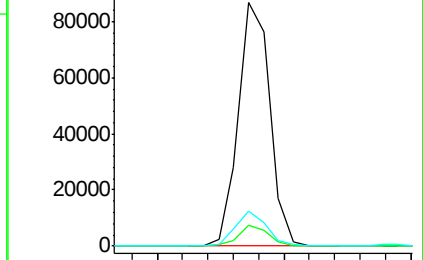
Tgt Ion:	244	Resp:	75137
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.0	9.0
122	14.5	10.3	15.5



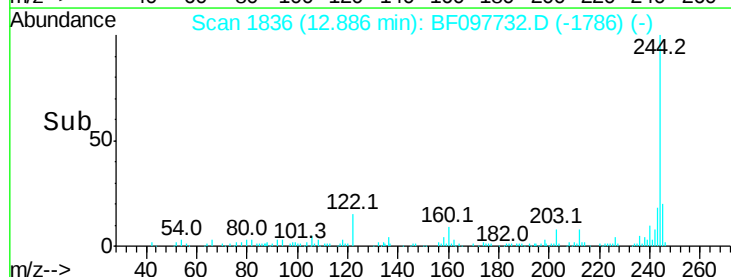
Abundance Ion 244.00 (243.70 to 244.70): E

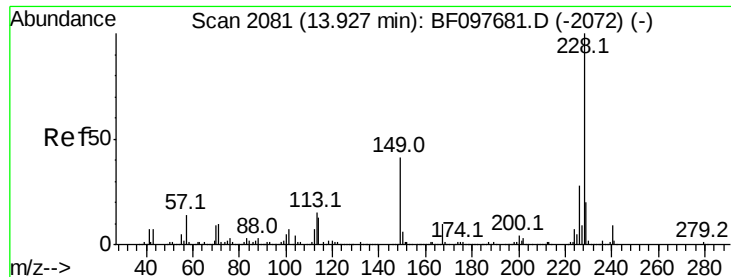
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





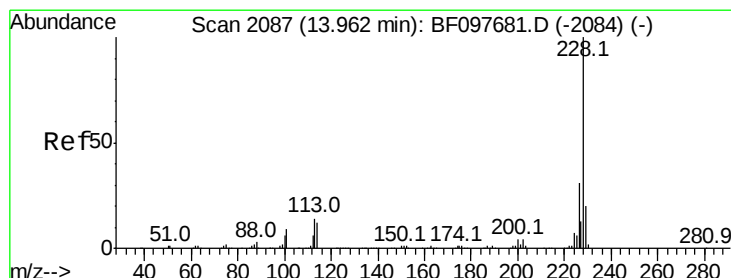
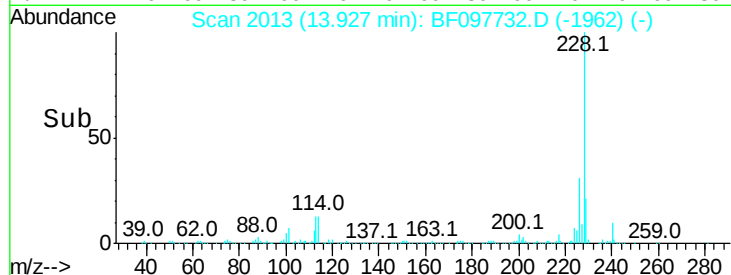
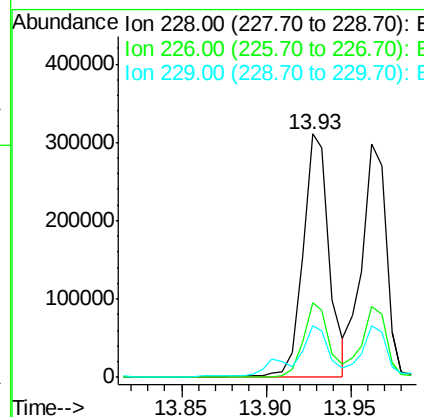
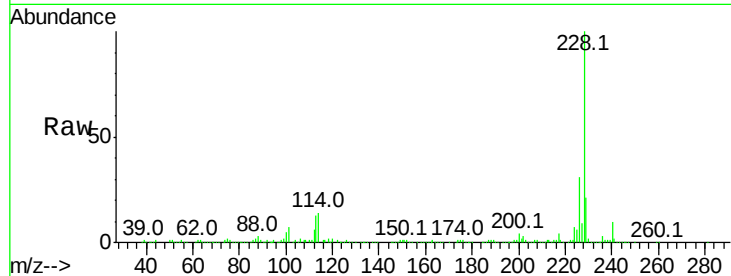
#80
Benzo(a)anthracene
Concen: 21.286 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Instrument :
BNA_F
ClientSampleId :
SB-23-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	336894		
226	30.8	22.6	33.8	
229	21.2	16.3	24.5	

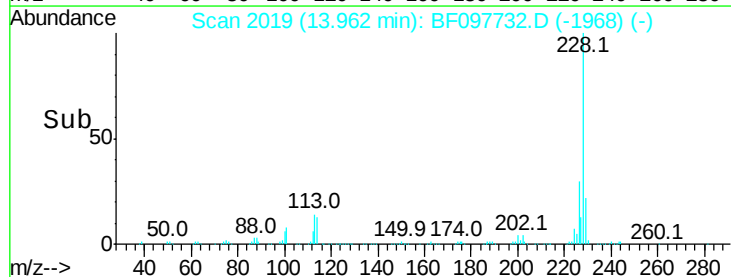
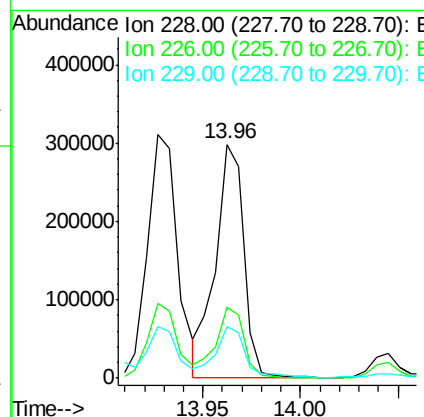
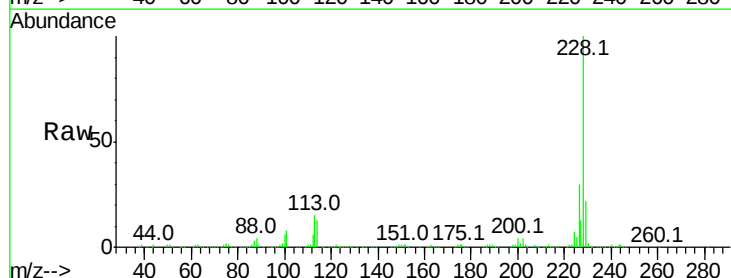
Manual Integrations
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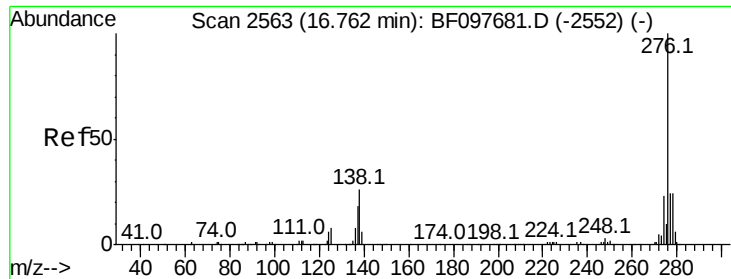
Sohil
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#82
Chrysene
Concen: 19.084 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	300465		
226	30.3	24.9	37.3	
229	22.0	15.8	23.6	





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.847 ng

RT: 16.77 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Instrument :

BNA_F

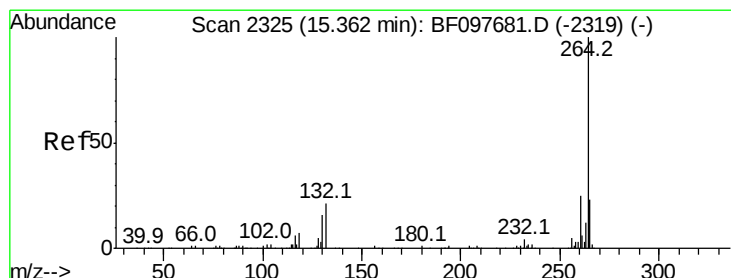
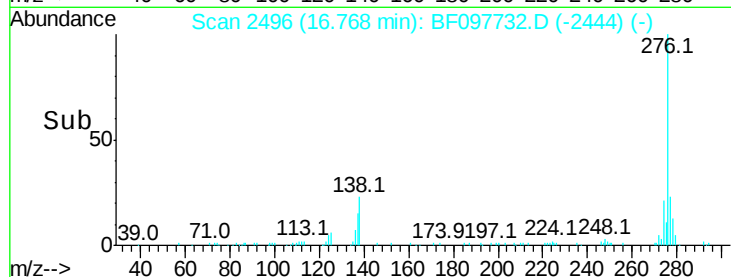
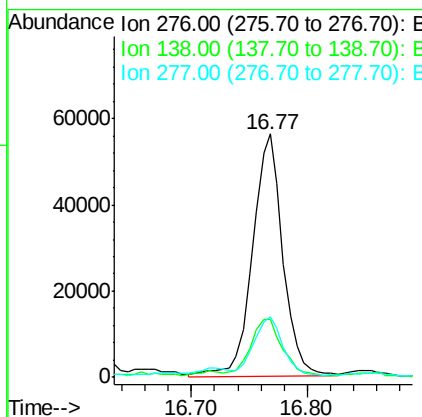
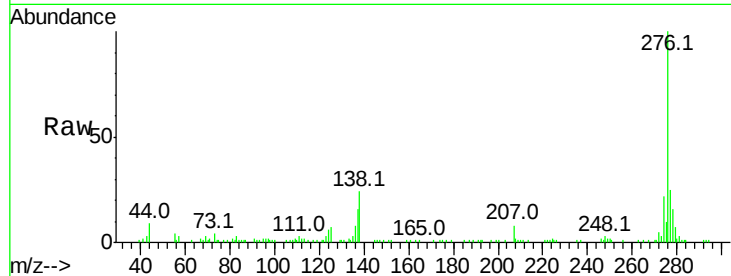
ClientSampleId :

SB-23-COMPDL

Tot Ion:	276	Resp:	102465
Ion Ratio	Lower	Upper	
276	100		
138	25.1	27.8	41.6#
277	24.3	20.2	30.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

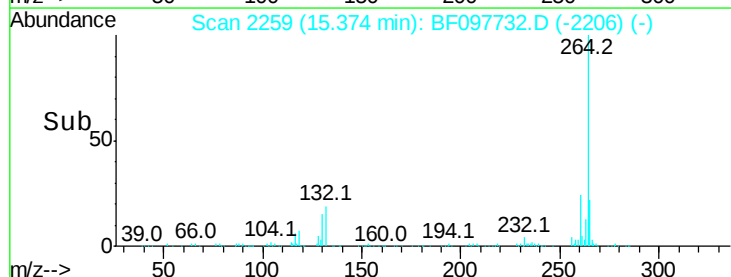
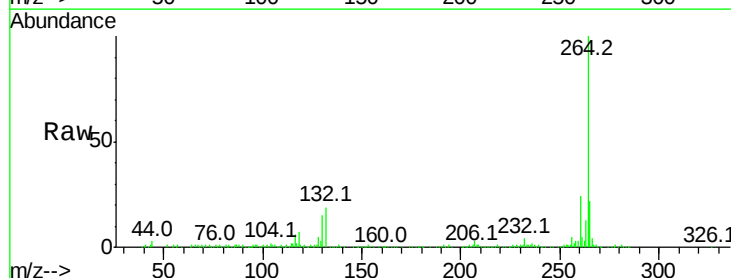
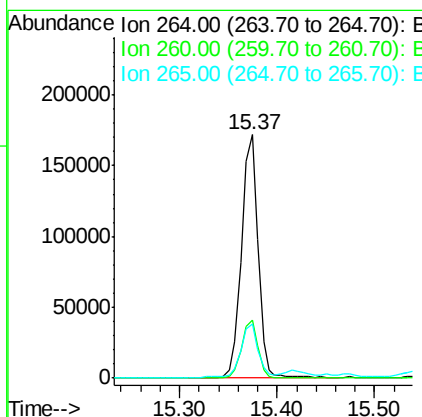
RT: 15.37 min Scan# 2259

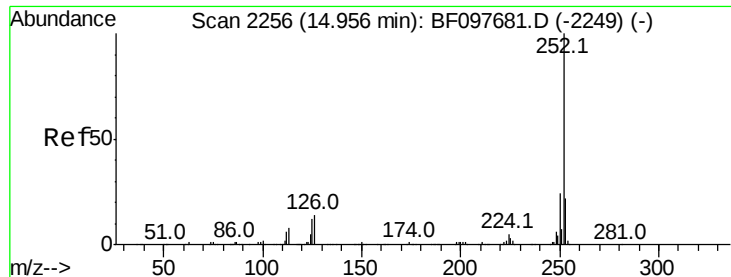
Delta R.T. 0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Tgt Ion:	264	Resp:	206614
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 26.220 ng m

RT: 14.96 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Instrument :

BNA_F

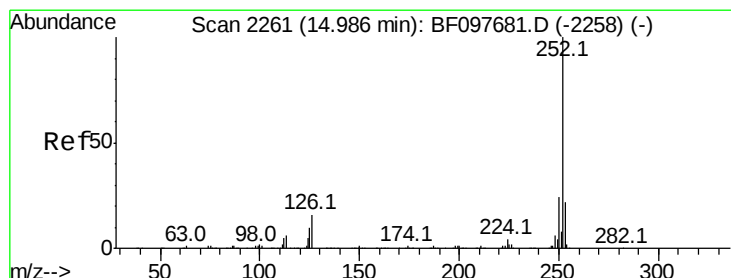
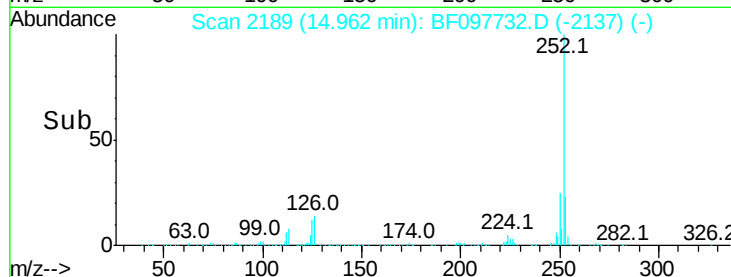
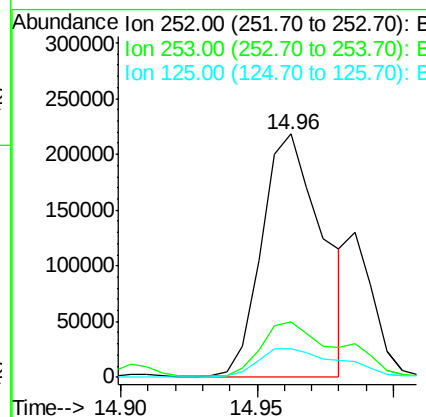
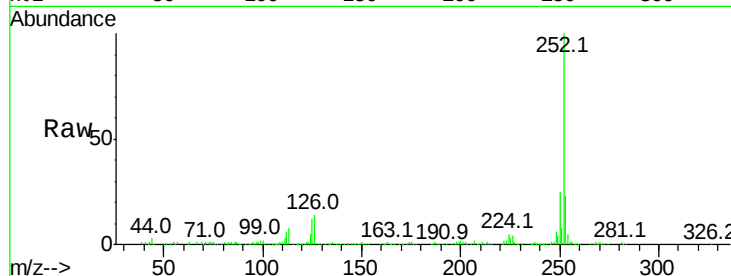
ClientSampleId :

SB-23-COMPDL

Tot Ion:	252	Resp:	341477
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	11.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 7.164 ng m

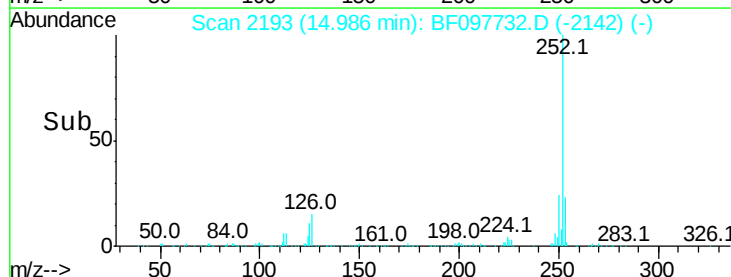
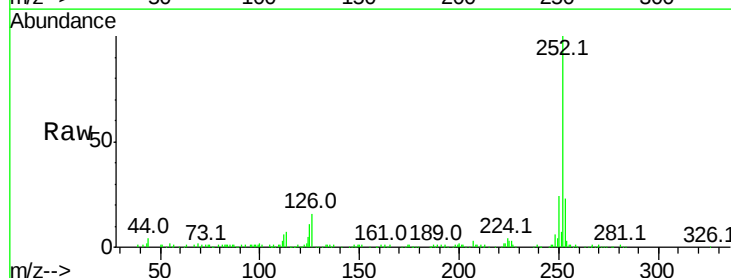
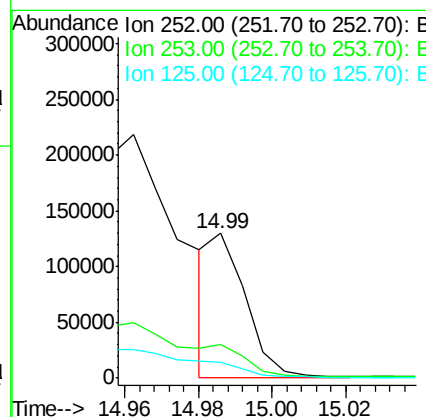
RT: 14.99 min Scan# 2193

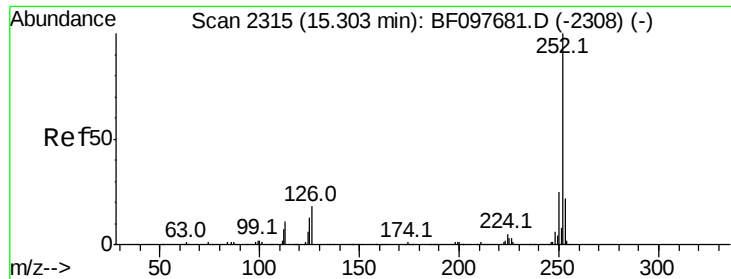
Delta R.T. 0.00 min

Lab File: BF097732.D

Acq: 16 Aug 2017 11:04

Tgt Ion:	252	Resp:	87657
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.4	27.6
125	11.1	13.1	19.7#





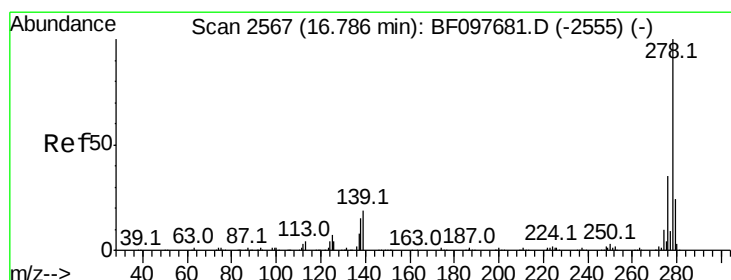
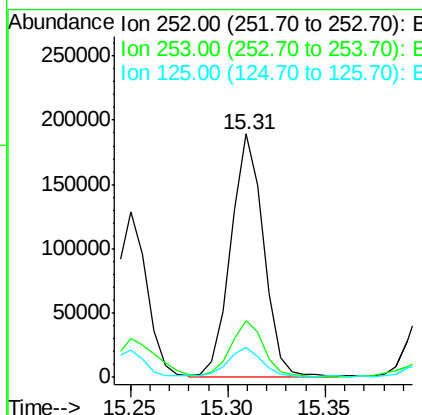
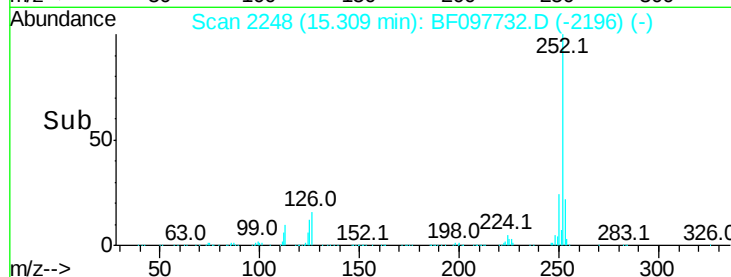
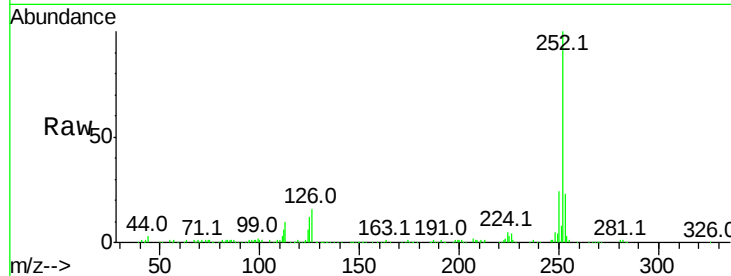
#89
Benzo(a)pyrene
Concen: 18.945 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Instrument :
BNA_F
ClientSampleId :
SB-23-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.3	11.0	16.4

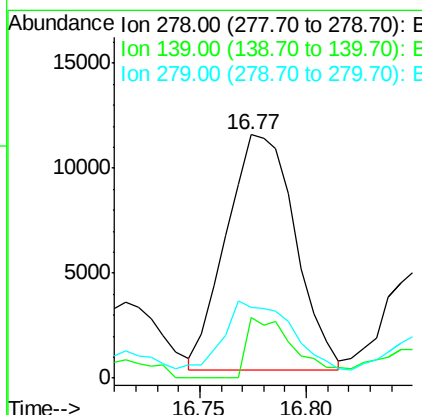
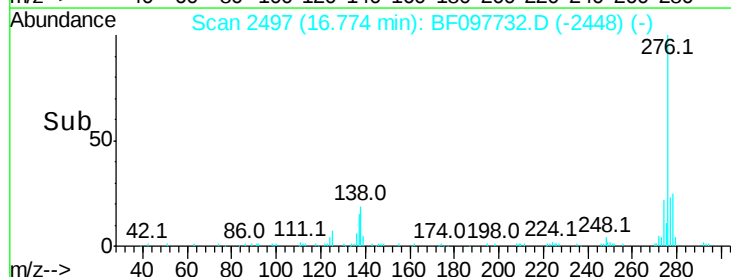
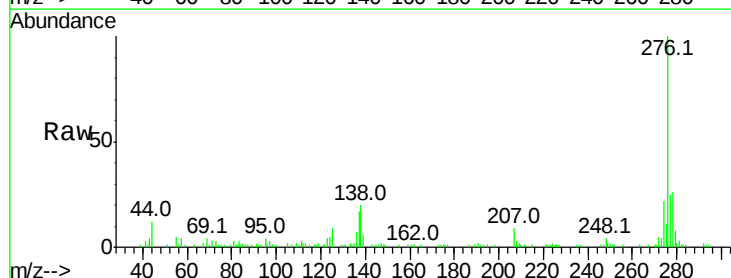
Manual Integrations
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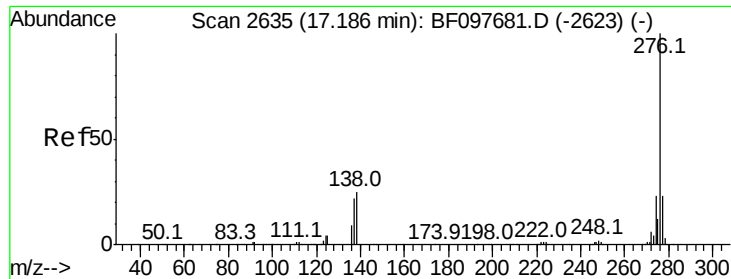
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#90
Dibenzo(a,h)anthracene
Concen: 2.691 ng m
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF097732.D
Acq: 16 Aug 2017 11:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	16.6	24.8#
279	29.2	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 9.567 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BF097732.D
 Acq: 16 Aug 2017 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMPDL

Tot Ion:	276	Resp:	93694
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.6	28.0
138	25.8	25.4	38.0

Manual Integrations
 APPROVED

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