

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097724.D
 Acq On : 16 Aug 2017 7:19
 Operator : SJ/JU
 Sample : I4751-14 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMP

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:46:04 PM

Quant Time: Aug 16 08:23:16 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	133944	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	508656	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	203571	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	300781	20.00	ng	0.00
75) Chrysene-d12	13.94	240	282672	20.00	ng	0.00
86) Perylene-d12	15.37	264	221657	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	177945	20.21	ng	0.00
7) Phenol-d6	6.40	99	258847	21.63	ng	0.00
23) Nitrobenzene-d5	7.34	82	145669	15.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	22245	12.59	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	203219	14.67	ng	0.00
78) Terphenyl-d14	12.89	244	113286	8.36	ng	0.00
Target Compounds						
48) Acenaphthylene	9.68	152	180072	8.360	ng	98
49) Dimethylphthalate	9.54	163	30983	2.082	ng	96
74) Fluoranthene	12.51	202	63883	3.819	ng	97
77) Pyrene	12.74	202	101823	4.404	ng	98
80) Benzo(a)anthracene	13.93	228	119744m	7.068	ng	
82) Chrysene	13.96	228	140244m	8.322	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	104113	8.398	ng	# 91
87) Benzo(b)fluoranthene	14.96	252	260719m	18.660	ng	
88) Benzo(k)fluoranthene	14.99	252	66125m	5.038	ng	
89) Benzo(a)pyrene	15.31	252	123110	9.953	ng	100
90) Dibenzo(a,h)anthracene	16.78	278	29647	2.944	ng	95
91) Benzo(a,h,i)perylene	17.19	276	117694	11.202	ng	# 93

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

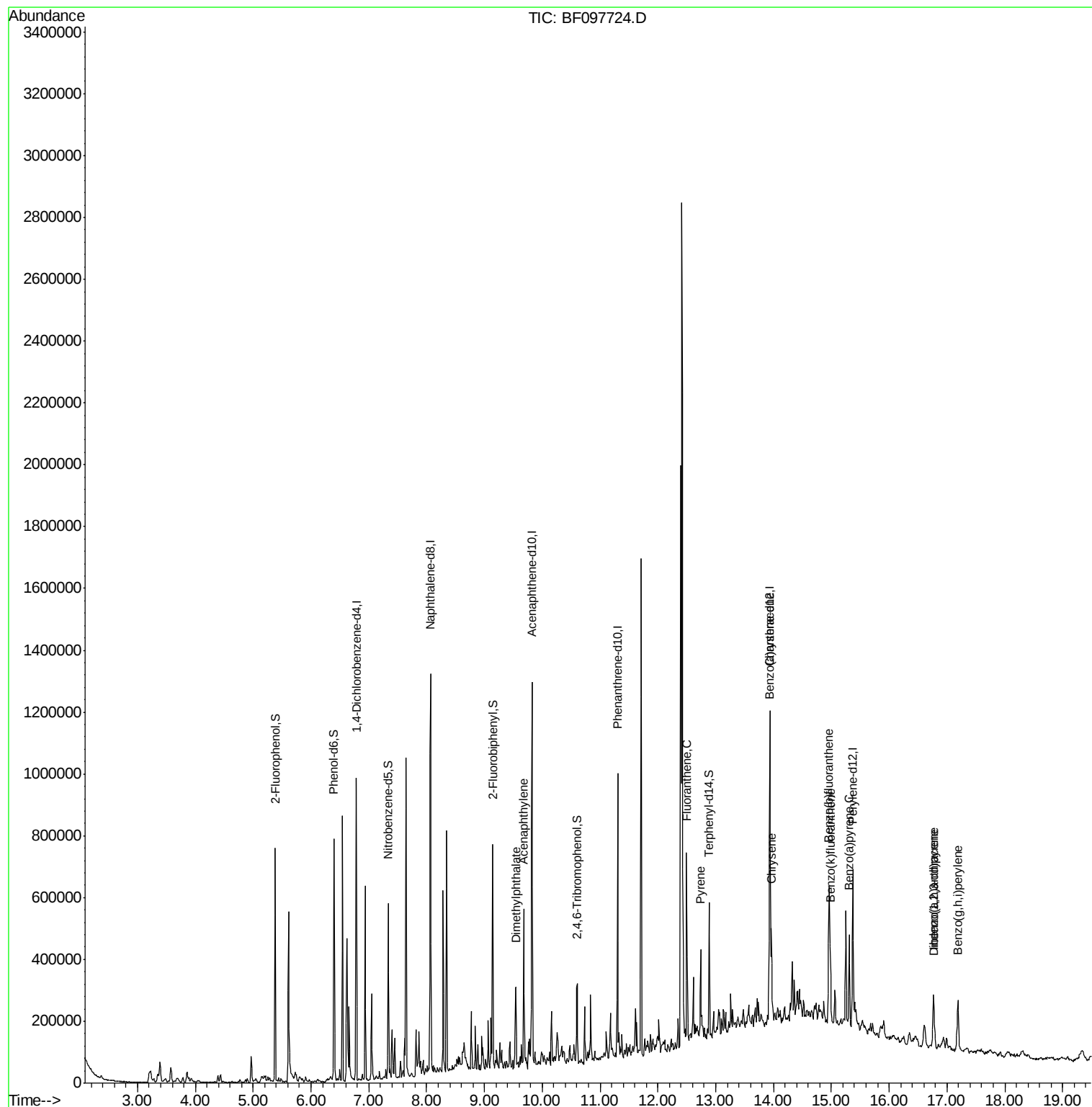
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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ALS Vial : 37 Sample Multiplier: 1

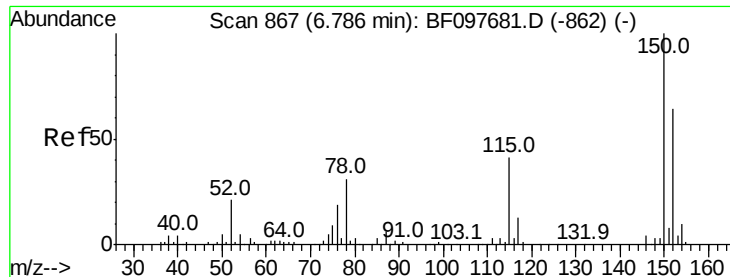
Instrument :
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SB-26-COMP

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

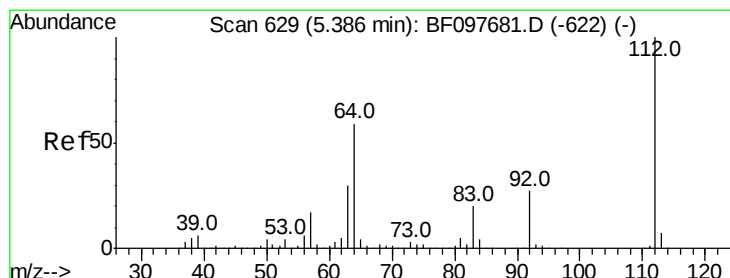
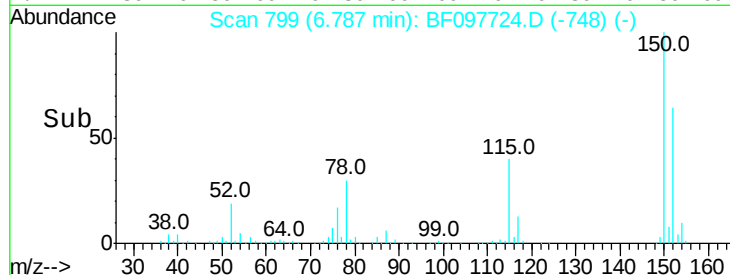
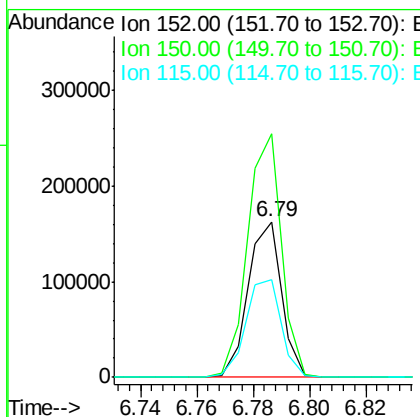
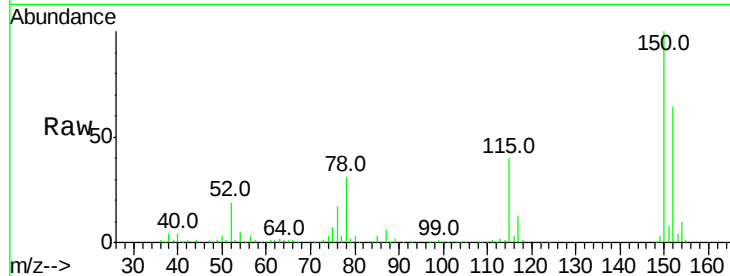
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF097724.D
 Acq: 16 Aug 2017 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	62.5	52.2	78.2

Manual Integrations
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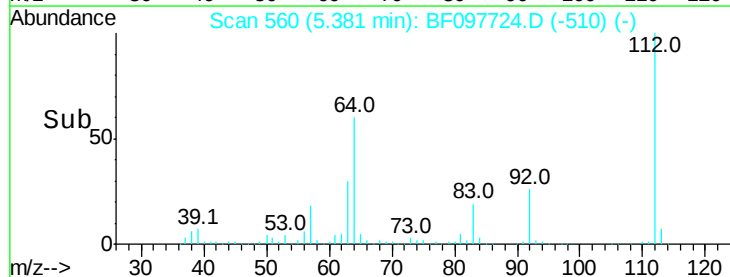
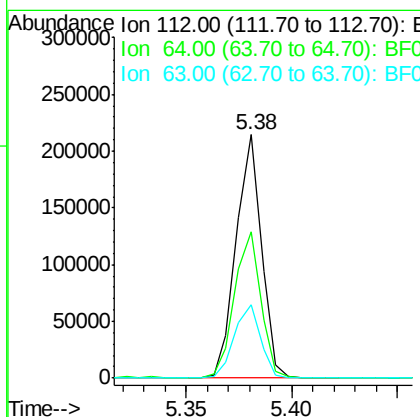
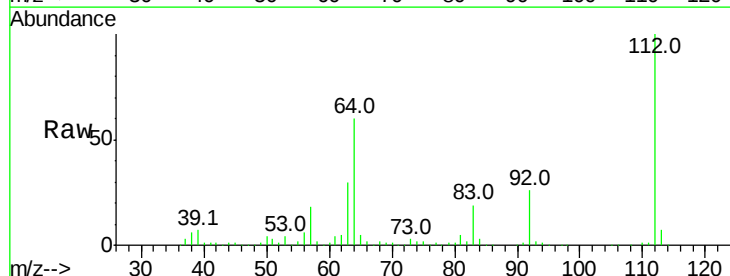
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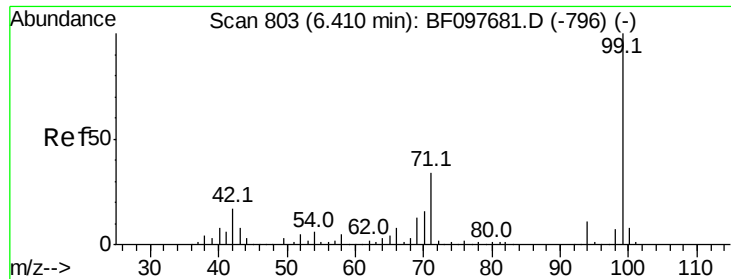


#5

2-Fluorophenol
 Concen: 20.208 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF097724.D
 Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	46.0	69.0
63	30.3	23.4	35.0





#7

Phenol-d6

Concen: 21.634 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Instrument :

BNA_F

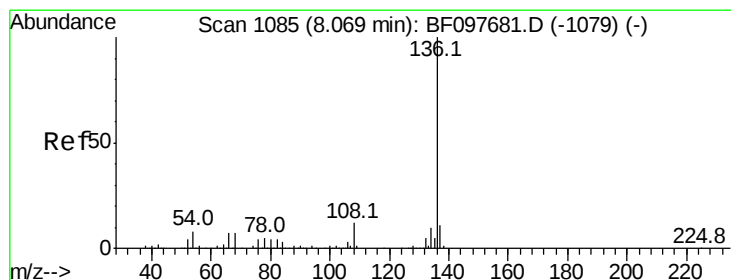
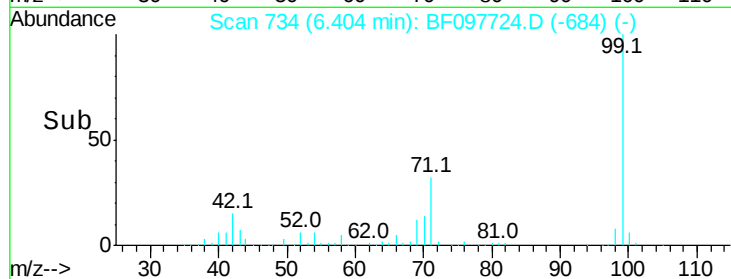
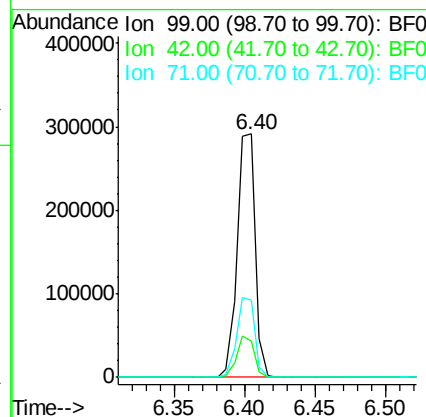
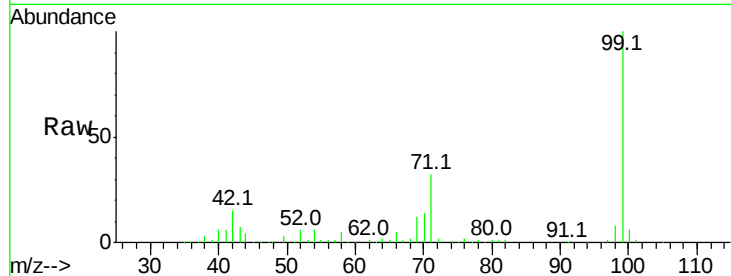
ClientSampleId :

SB-26-COMP

Tot Ion:	99	Resp:	258847
Ion Ratio	Lower	Upper	
99	100		
42	14.9	13.5	20.3
71	31.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

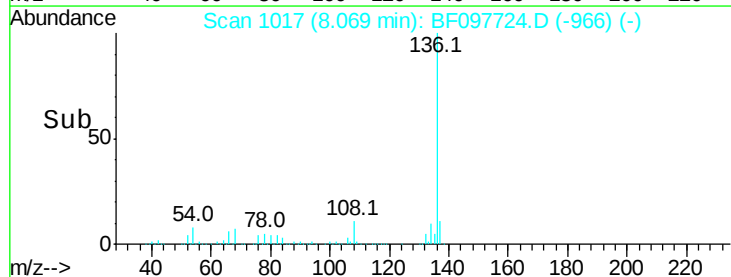
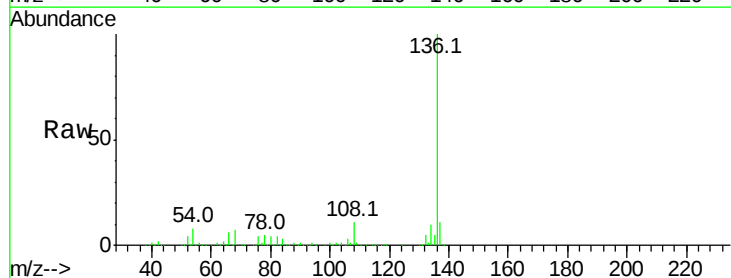
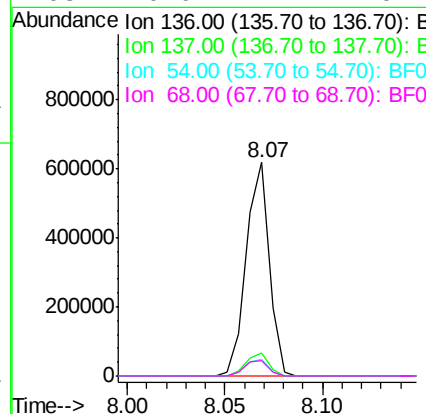
RT: 8.07 min Scan# 1017

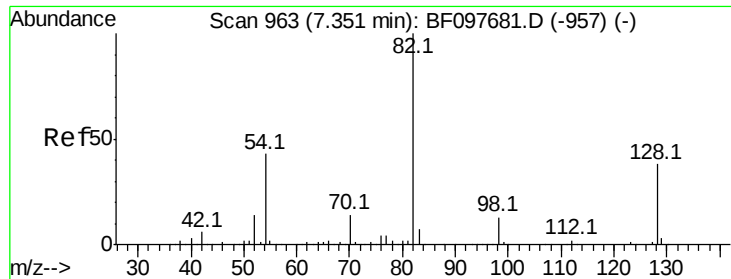
Delta R.T. 0.00 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Tgt Ion:	136	Resp:	508656
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.5	4.9	7.3#
68	6.9	4.1	6.1#





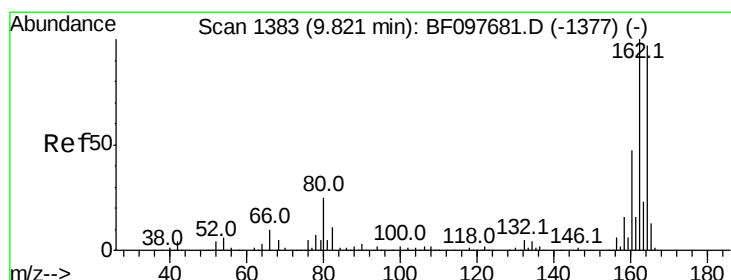
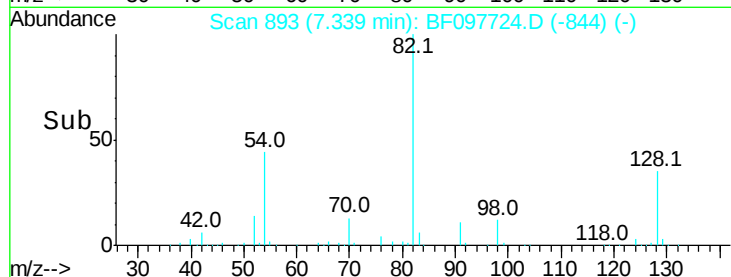
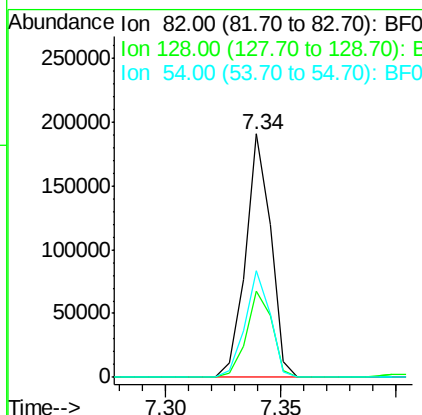
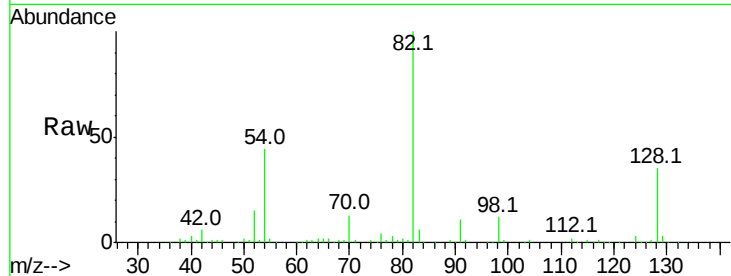
#23
 Nitrobenzene-d5
 Concen: 15.557 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097724.D
 Acq: 16 Aug 2017 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.3	34.0	51.0
54	43.7	42.2	63.2

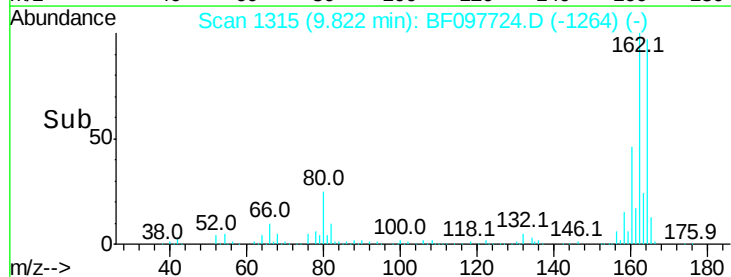
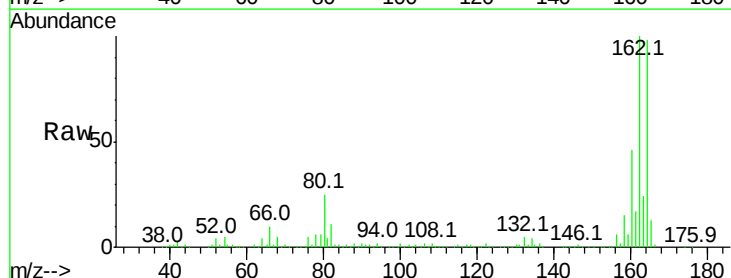
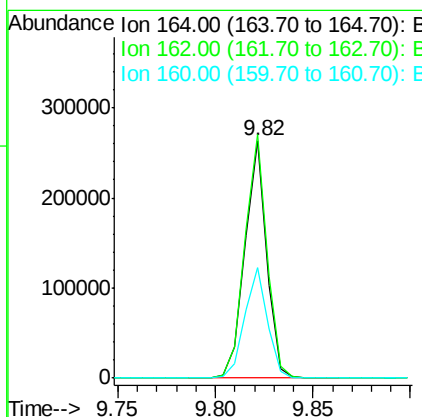
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097724.D
 Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	46.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 12.594 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Instrument :

BNA_F

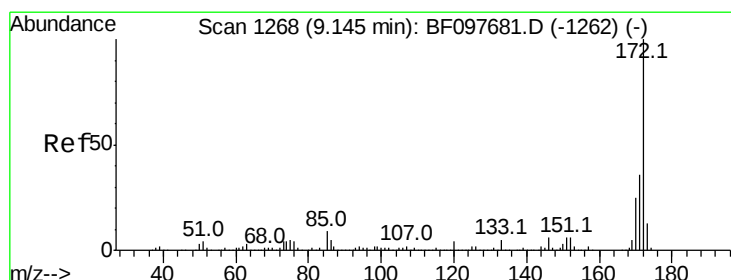
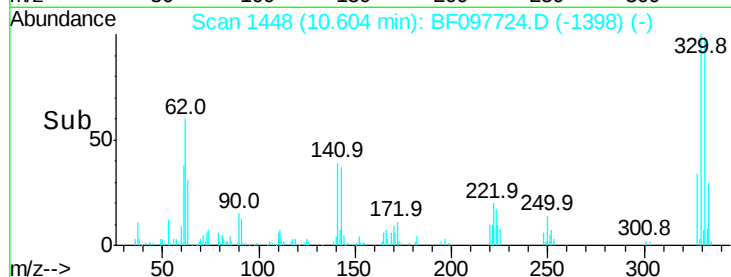
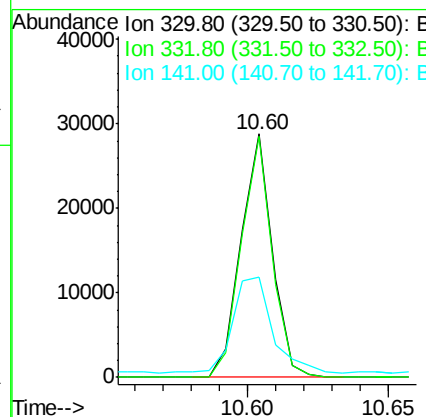
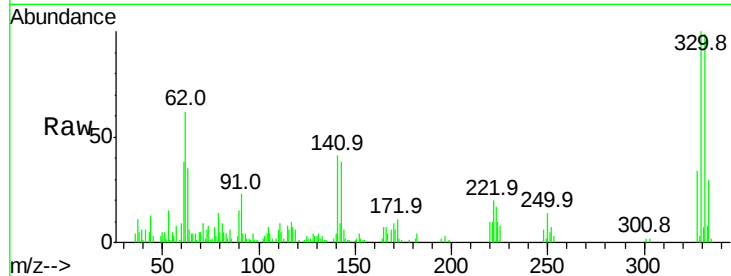
ClientSampled :

SB-26-COMP

Tot Ion:	330	Resp:	22245
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.6	115.0
141	55.2	31.4	47.2#

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#44

2-Fluorobiphenyl

Concen: 14.667 ng

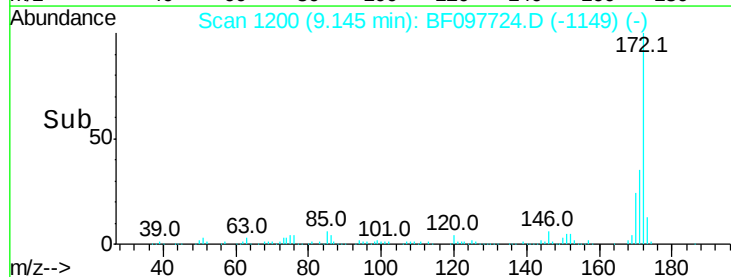
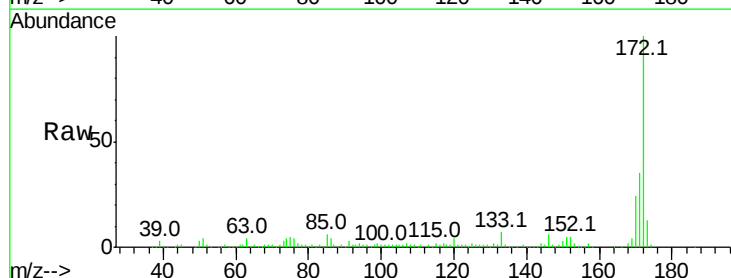
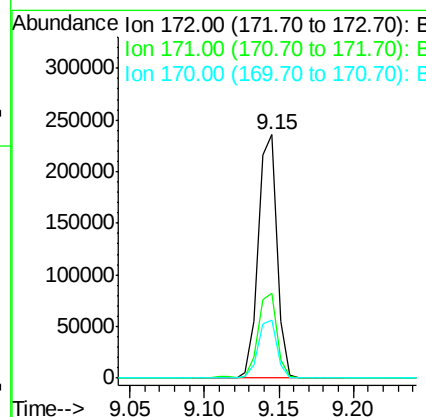
RT: 9.15 min Scan# 1200

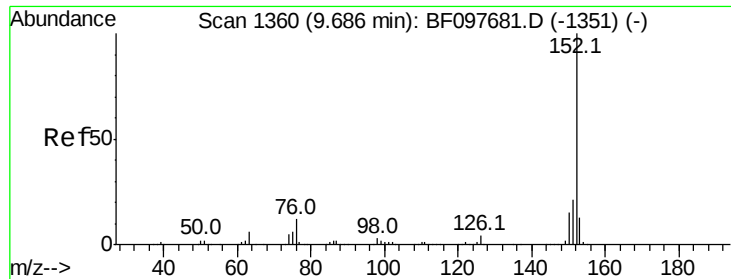
Delta R.T. 0.00 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Tgt Ion:	172	Resp:	203219
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.6	44.4
170	23.7	19.8	29.8





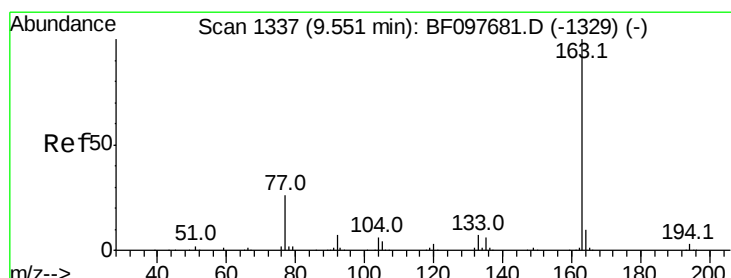
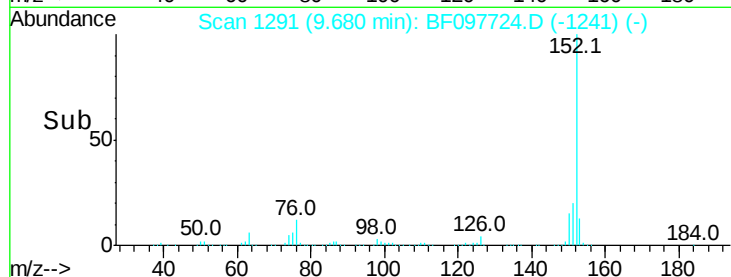
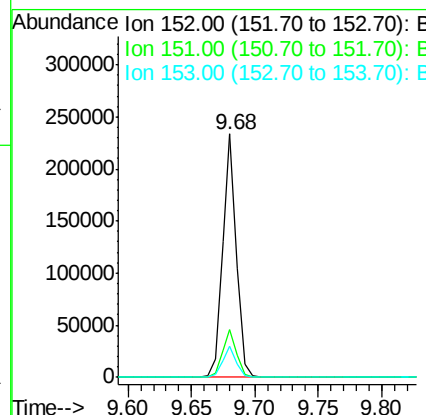
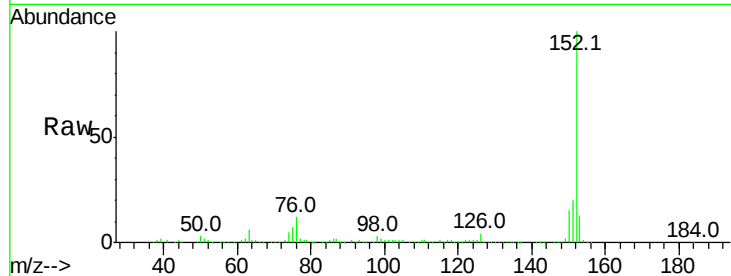
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Acenaphthylene
Concen: 8.360 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	180072		
151	19.8		16.8	25.2
153	12.8		10.8	16.2

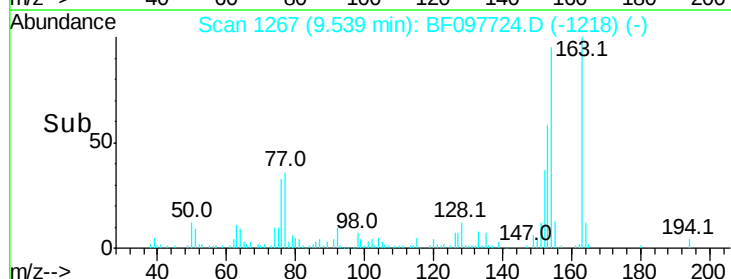
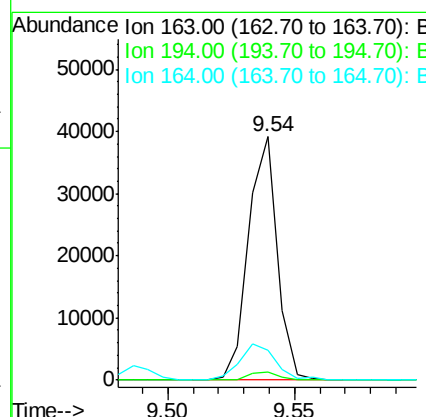
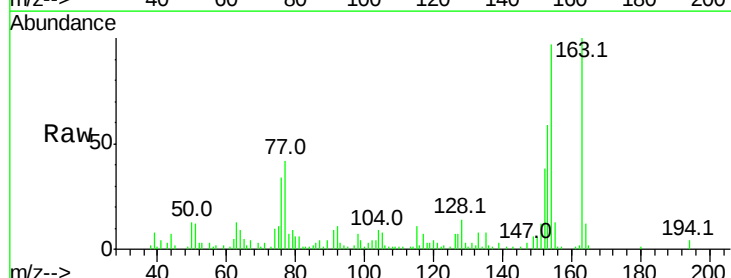
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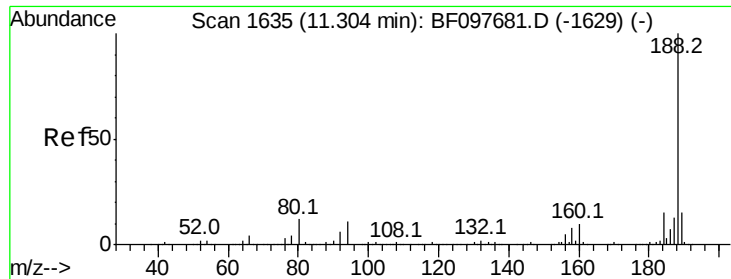
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#49
Dimethylphthalate
Concen: 2.082 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	30983		
194	3.5		2.6	4.0
164	12.4		8.4	12.6





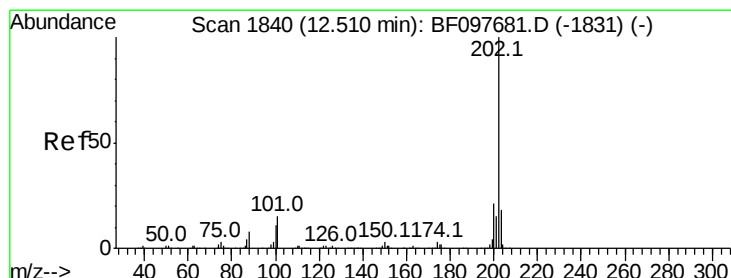
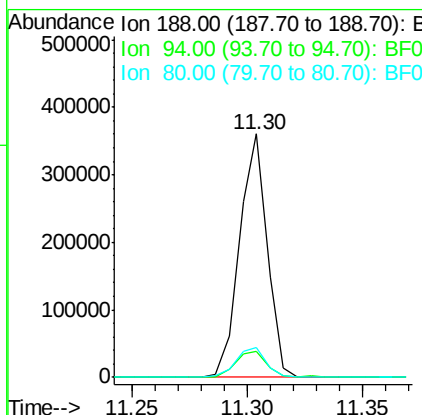
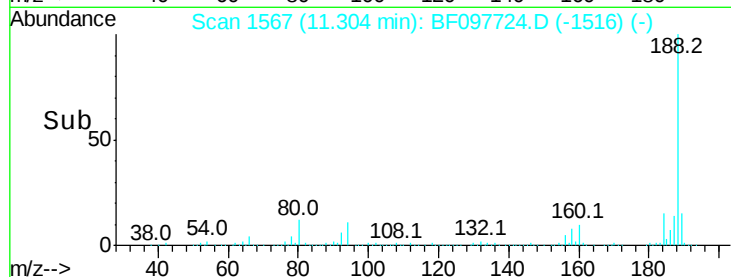
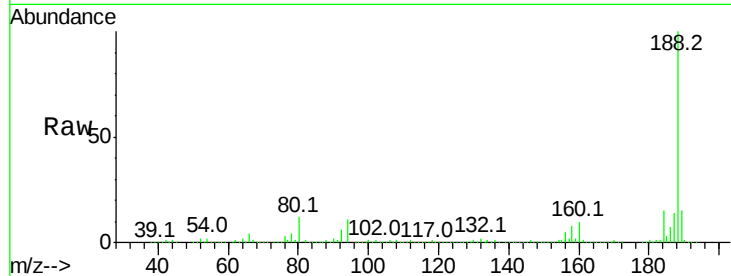
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	9.4	14.2	
80	12.0	10.2	15.2	

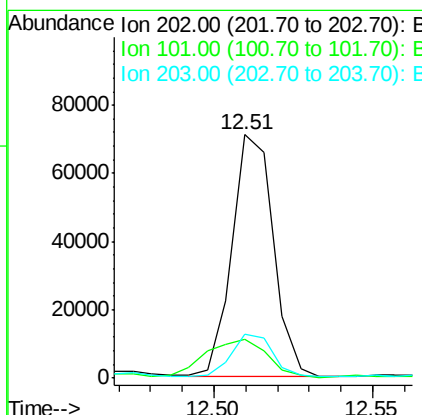
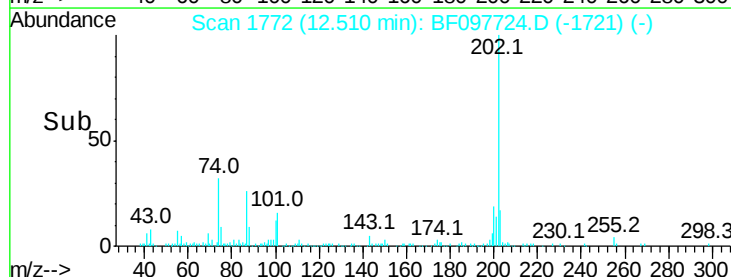
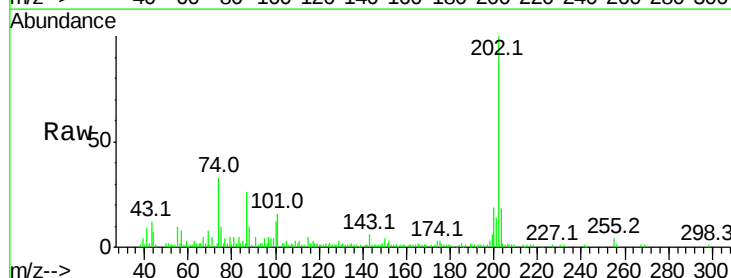
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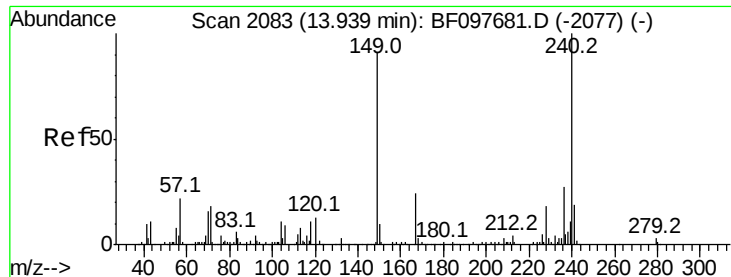
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#74
Fluoranthene
Concen: 3.819 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.7	0.0	33.2	
203	17.9	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Instrument :

BNA_F

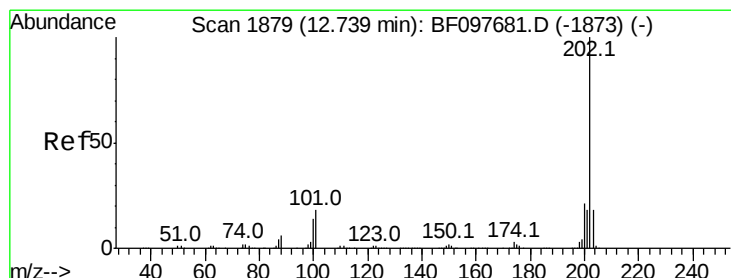
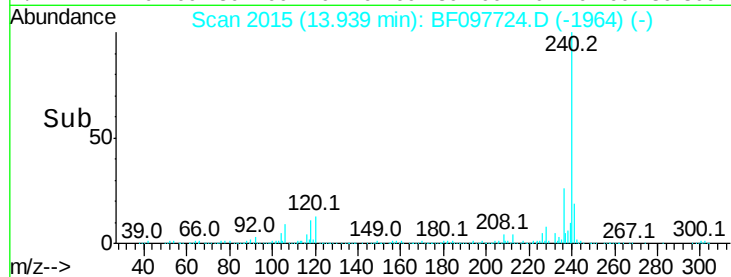
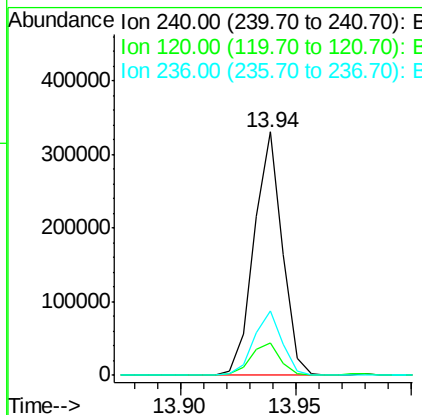
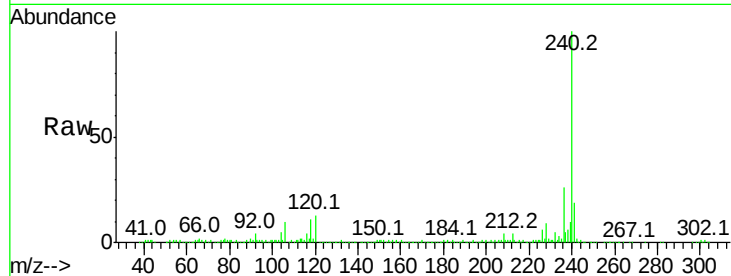
ClientSampleId :

SB-26-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	282672		
120	13.2	5.8	8.8#	
236	26.4	20.5	30.7	

Manual Integrations
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#77

Pyrene

Concen: 4.404 ng

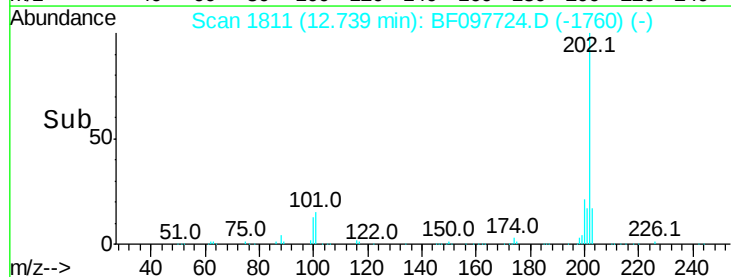
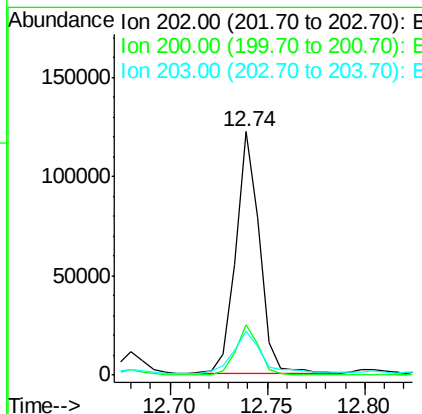
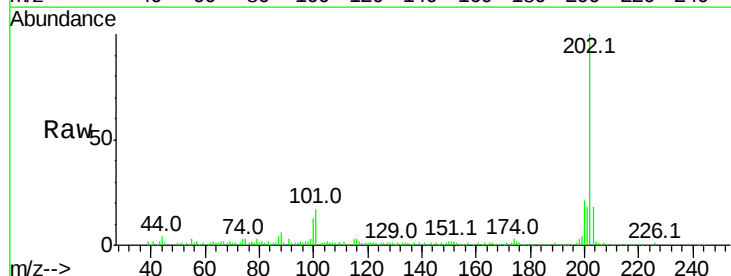
RT: 12.74 min Scan# 1811

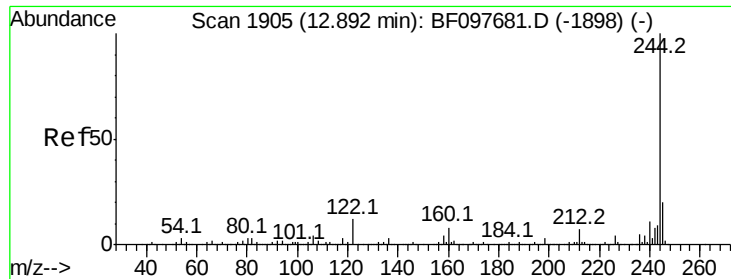
Delta R.T. 0.00 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	101823		
200	20.8	17.6	26.4	
203	18.1	14.4	21.6	





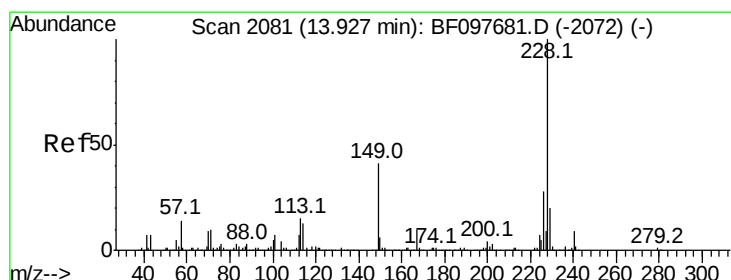
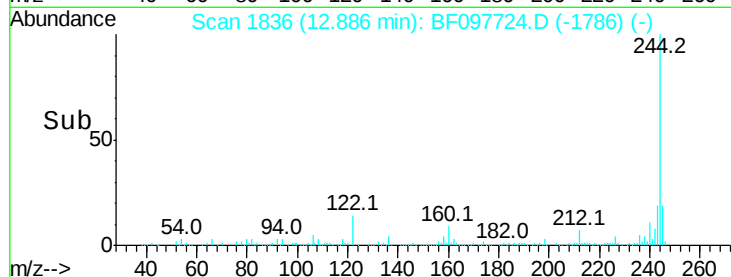
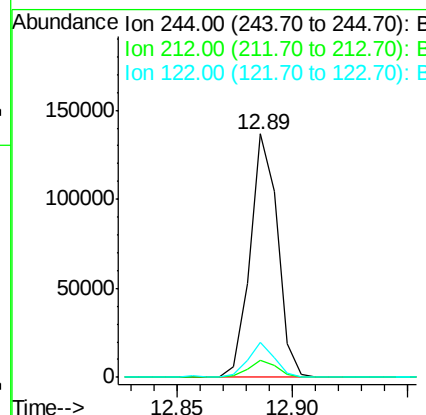
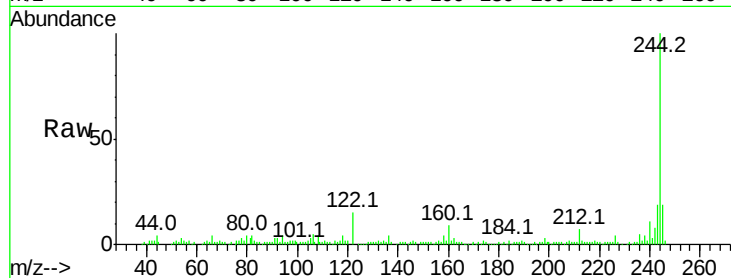
#78
 Terphenyl-d14
 Concen: 8.357 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097724.D
 Acq: 16 Aug 2017 7:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-26-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.6	10.3	15.5

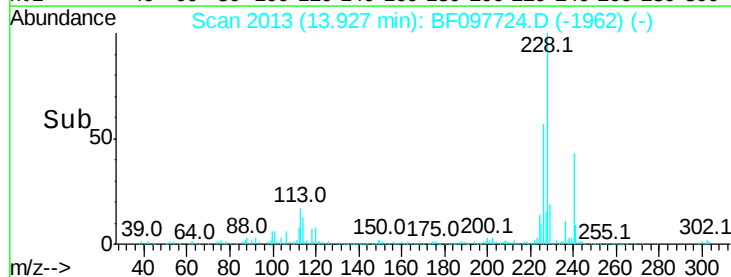
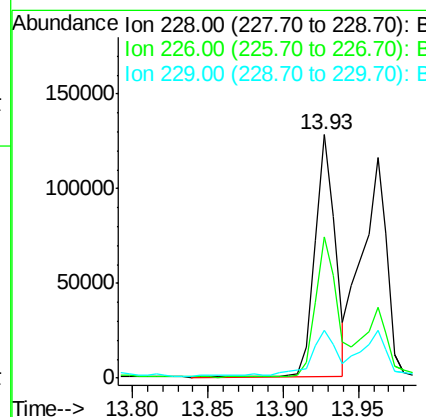
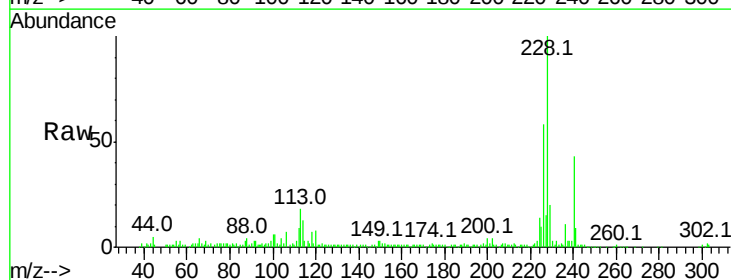
Manual Integrations
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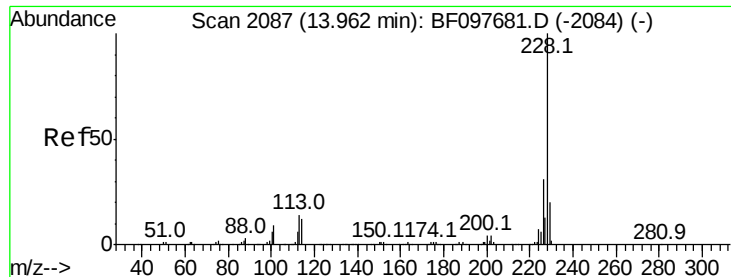
Sohil
 8/16/2017 6:46:04 PM



#80
 Benzo(a)anthracene
 Concen: 7.068 ng m
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097724.D
 Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	57.8	22.6	33.8#
229	19.6	16.3	24.5





#82

Chrysene

Concen: 8.322 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Instrument :

BNA_F

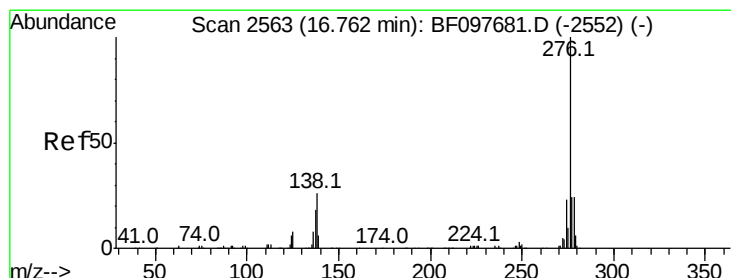
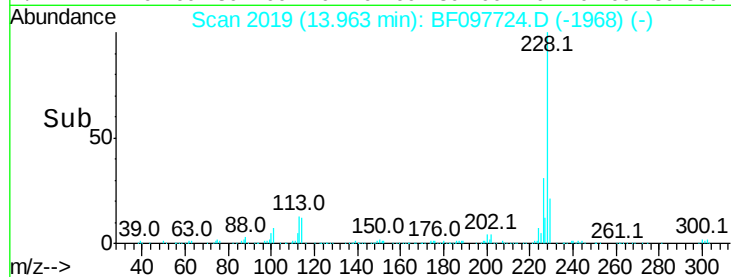
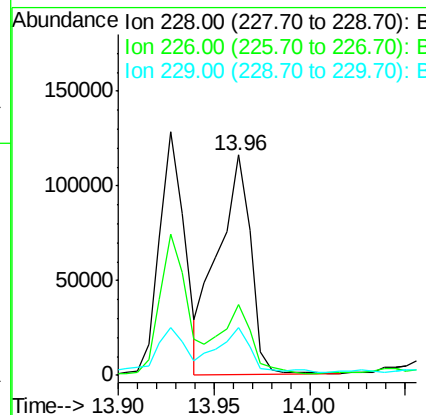
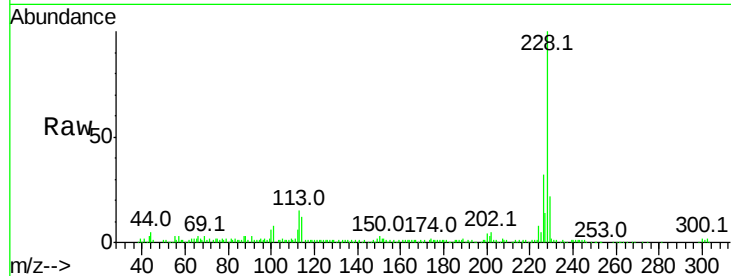
ClientSampleId :

SB-26-COMP

Tot Ion:	228	Resp:	140244
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.9	37.3
229	21.5	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.398 ng

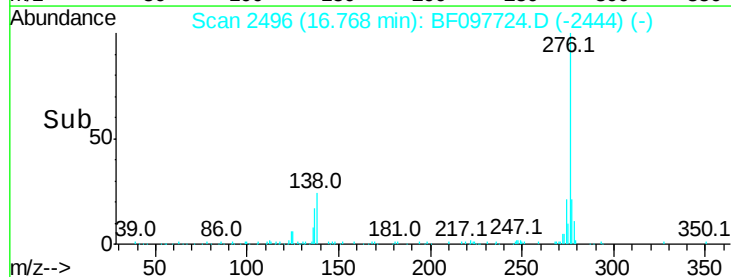
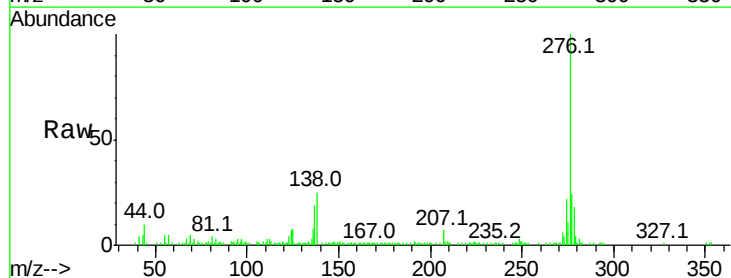
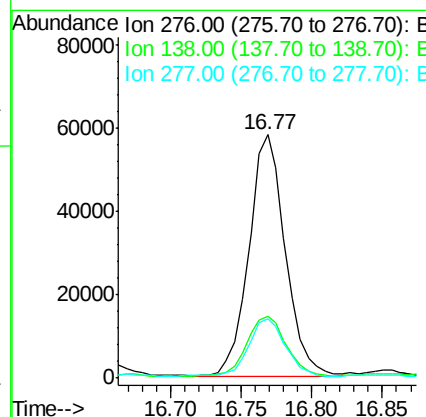
RT: 16.77 min Scan# 2496

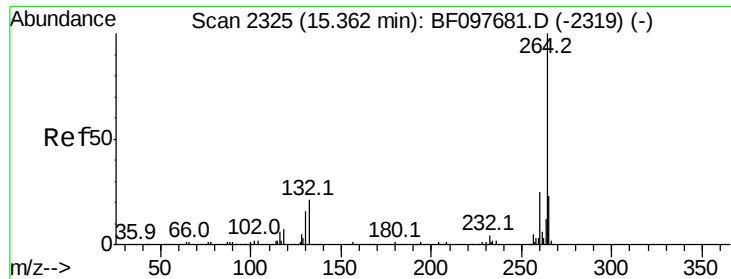
Delta R.T. 0.01 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Tgt Ion:	276	Resp:	104113
Ion Ratio	Lower	Upper	
276	100		
138	26.7	27.8	41.6#
277	24.2	20.2	30.4





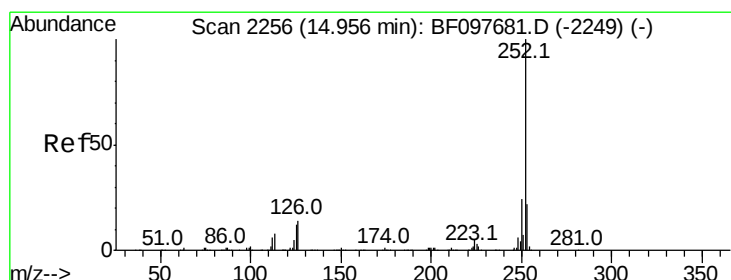
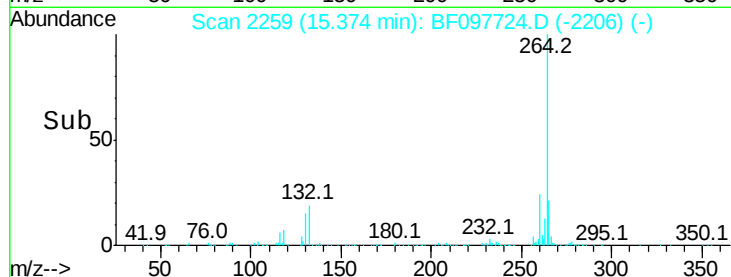
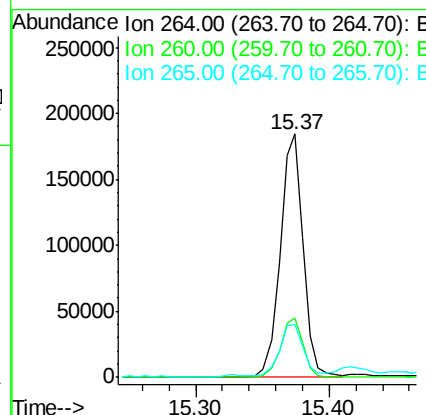
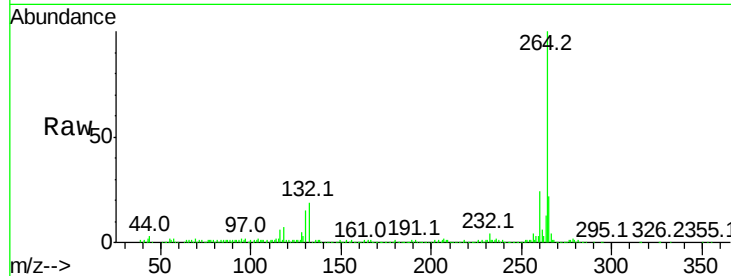
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Instrument :
BNA_F
ClientSampled :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.6	17.2	25.8

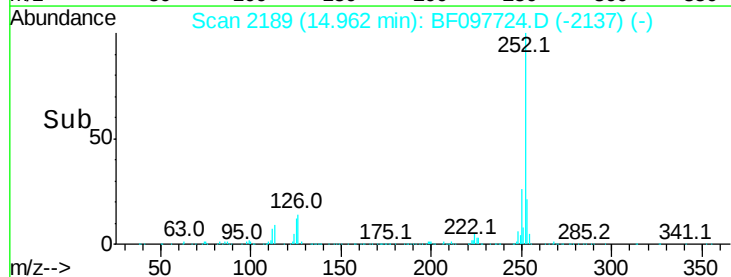
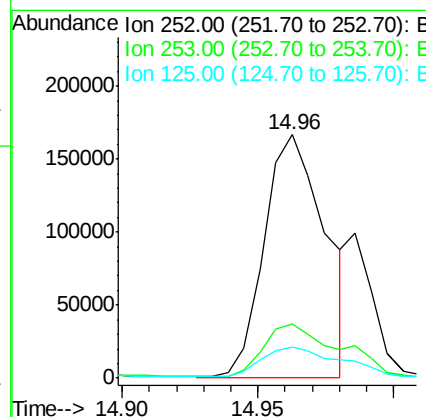
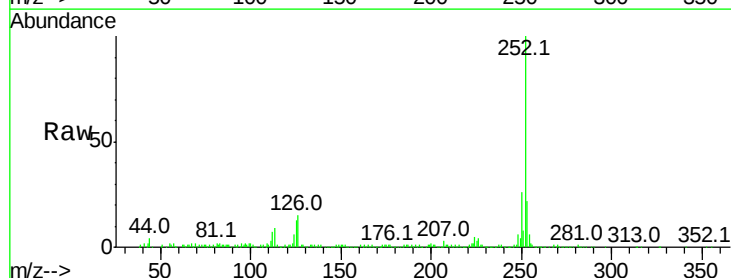
Manual Integrations
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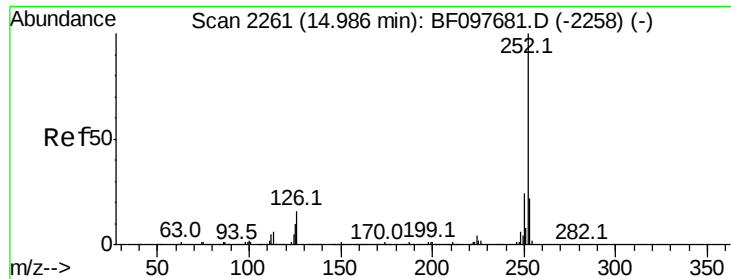
Sohil
8/16/2017 6:46:04 PM



#87
Benzo(b)fluoranthene
Concen: 18.660 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	13.0	9.8	14.8





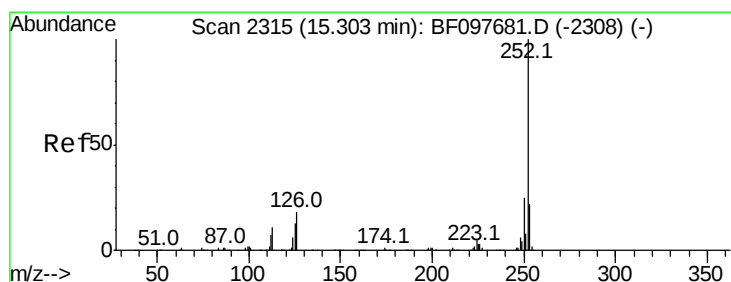
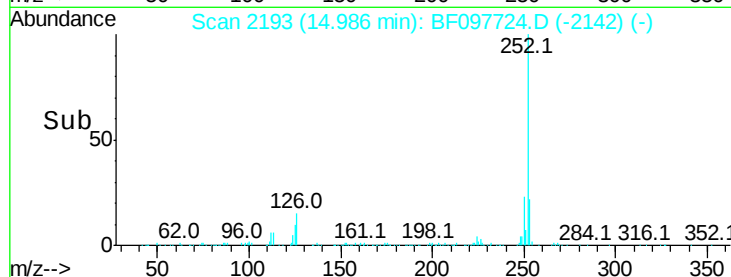
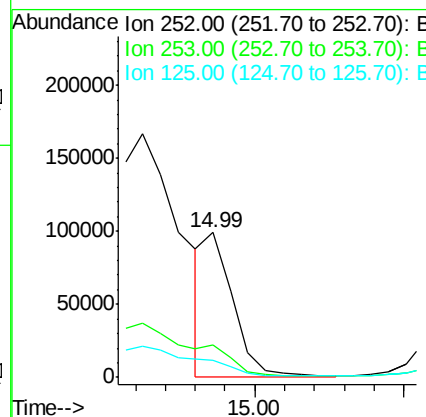
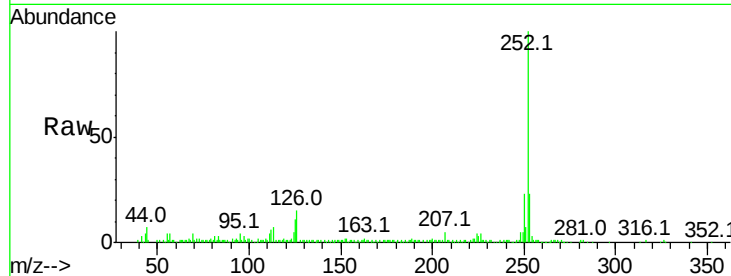
#88
Benzo(k)fluoranthene
Concen: 5.038 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Instrument :
BNA_F
ClientSampleId :
SB-26-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	11.4	13.1	19.7

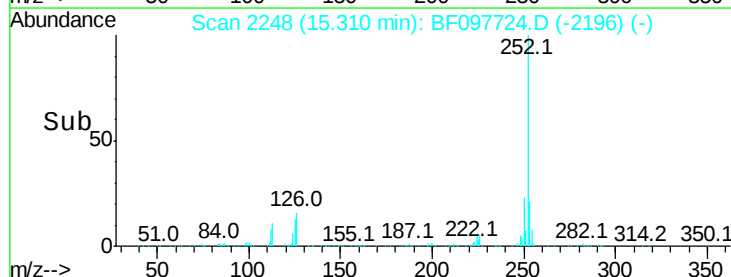
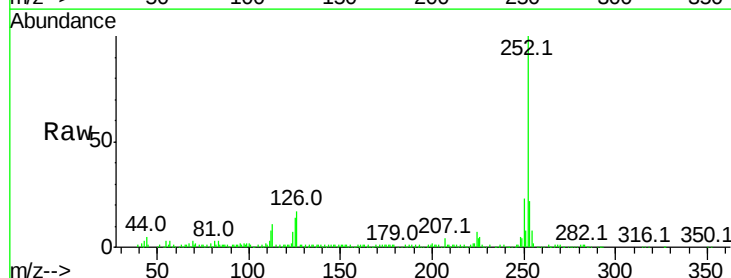
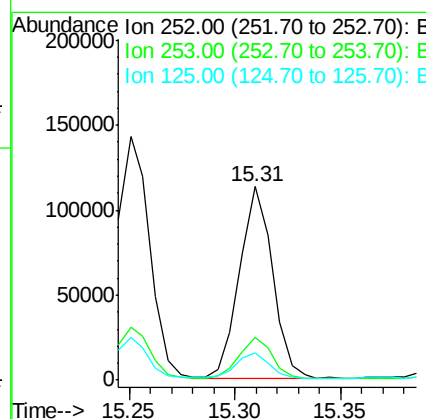
Manual Integrations
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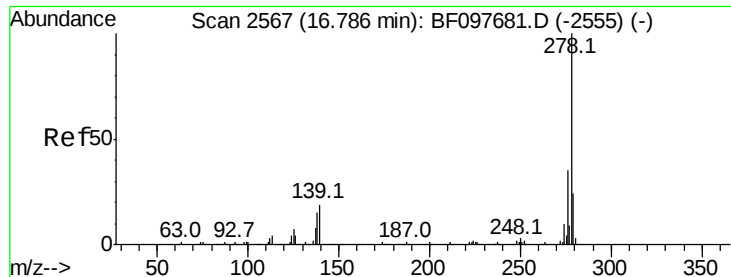
Sohil
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#89
Benzo(a)pyrene
Concen: 9.953 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097724.D
Acq: 16 Aug 2017 7:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.0	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.944 ng

RT: 16.78 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Instrument :

BNA_F

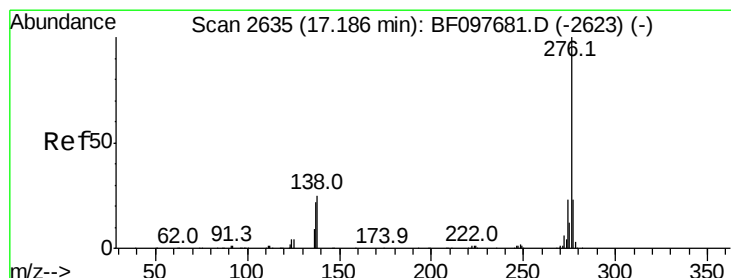
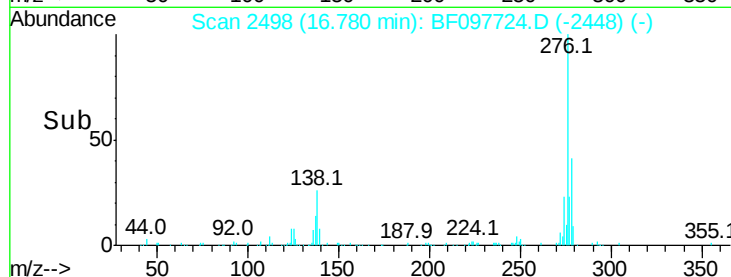
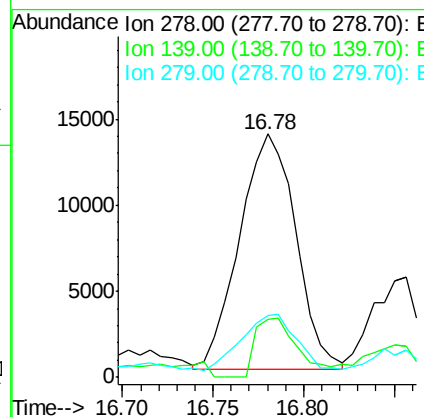
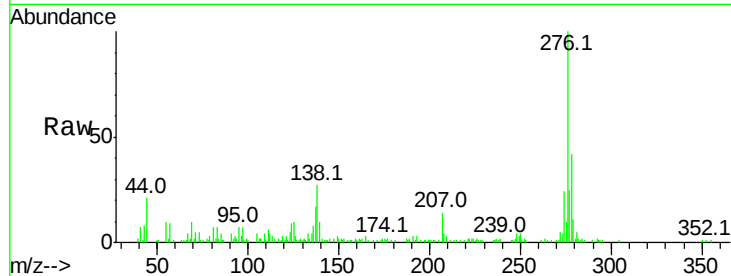
ClientSampleId :

SB-26-COMP

Tot Ion:	278	Resp:	29647
Ion Ratio	Lower	Upper	
278	100		
139	23.8	16.6	24.8
279	25.7	19.3	28.9

Manual Integrations
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8/16/2017 6:46:04 PM



#91

Benzo(g,h,i)perylene

Concen: 11.202 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BF097724.D

Acq: 16 Aug 2017 7:19

Tgt Ion:	276	Resp:	117694
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.6	28.0
138	25.0	25.4	38.0#

