

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094140.D
 Acq On : 4 Apr 2017 00:07
 Operator : SJ/MA
 Sample : I2493-16 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Manual Integrations
 APPROVED

mohammad
 4/4/2017 5:34:44 PM

Quant Time: Apr 04 02:28:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	128440	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	493186	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	196730	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	290744	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	239456	20.00	ng	-0.01
86) Perylene-d12	16.25	264	183872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	218648	28.75	ng	-0.01
7) Phenol-d6	5.49	99	272647	28.98	ng	-0.02
23) Nitrobenzene-d5	6.53	82	117349	13.58	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	36225	23.30	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	318392	24.69	ng	-0.02
78) Terphenyl-d14	13.33	244	191893	17.96	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	33431	2.39	ng	97
70) Phenanthrene	11.39	178	71041	4.39	ng	98
74) Fluoranthene	12.85	202	146873	8.87	ng	99
77) Pyrene	13.13	202	144413	8.31	ng	98
79) Butylbenzylphthalate	13.95	149	50243	6.79	ng	# 83
80) Benzo(a)anthracene	14.60	228	81908	5.87	ng	94
82) Chrysene	14.64	228	78529	6.06	ng	96
83) Bis(2-ethylhexyl)phthalate	14.67	149	102282	10.12	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.60	276	55796	4.97	ng	99
87) Benzo(b)fluoranthene	15.84	252	115267m	10.23	ng	
88) Benzo(k)fluoranthene	15.87	252	32782m	2.97	ng	
89) Benzo(a)pyrene	16.19	252	75983	7.32	ng	# 86
91) Benzo(a,h,i)perylene	18.00	276	70258	7.93	ng	98

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

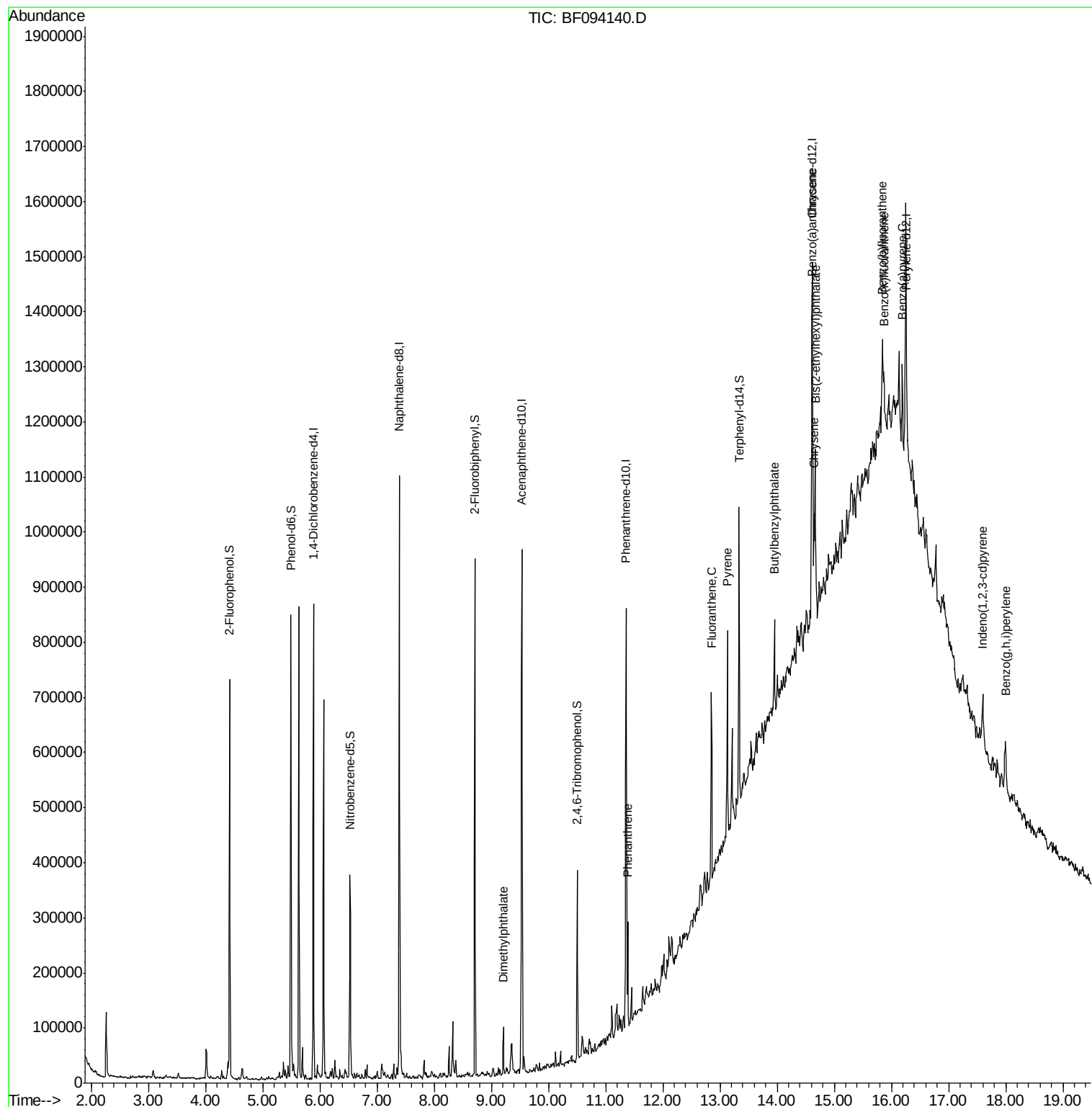
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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ALS Vial : 24 Sample Multiplier: 1

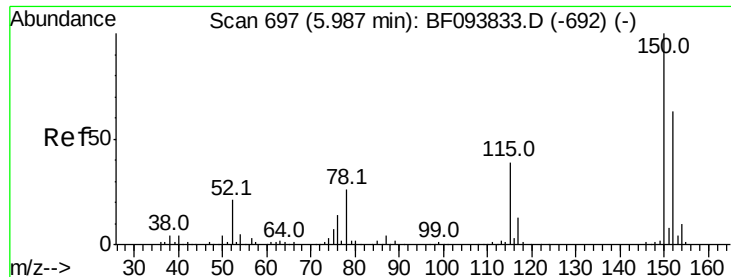
Instrument :
BNA_F
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#1

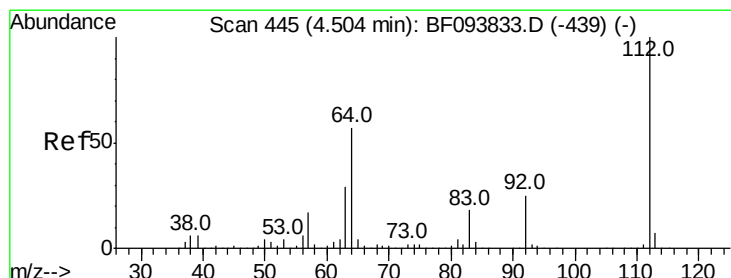
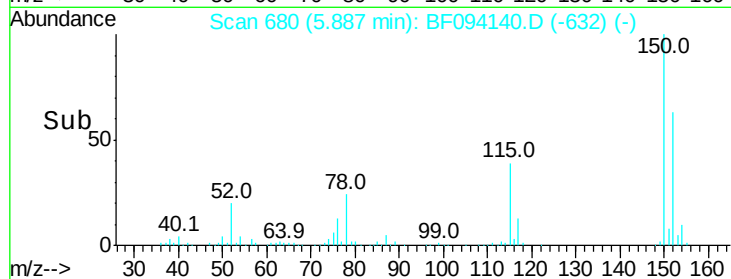
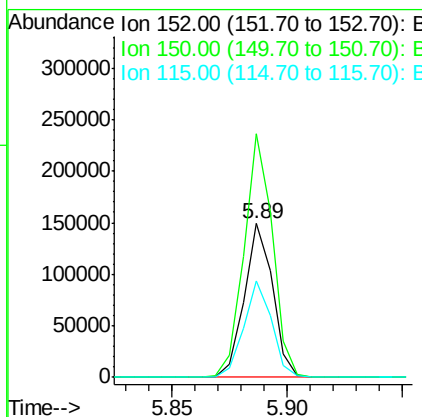
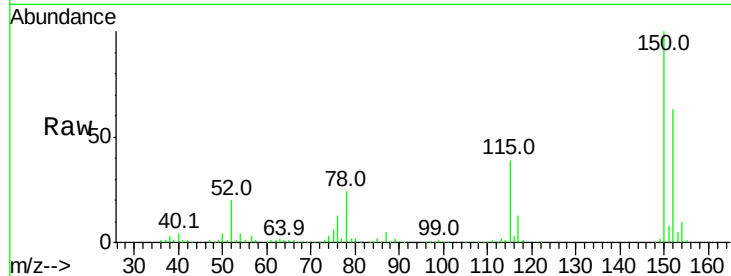
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.89 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	62.5	52.2	78.2

Manual Integrations
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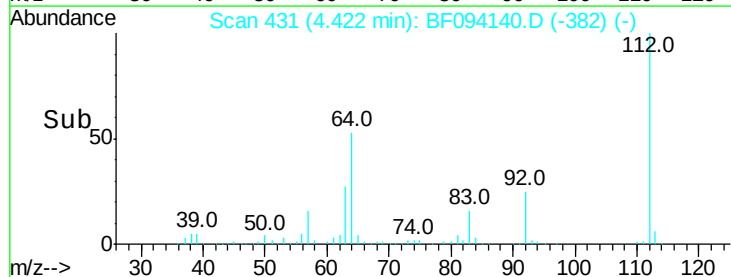
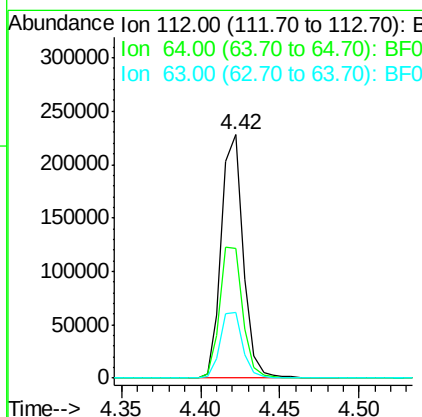
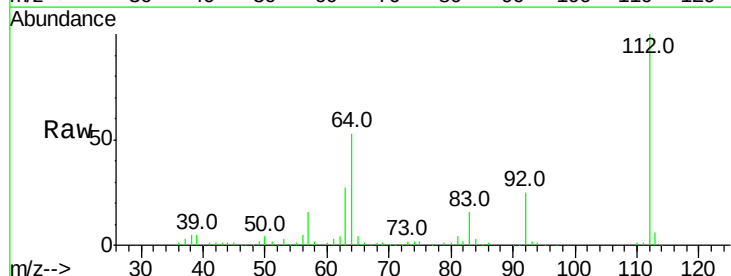
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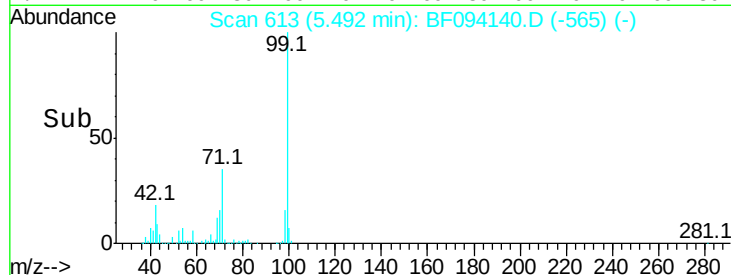
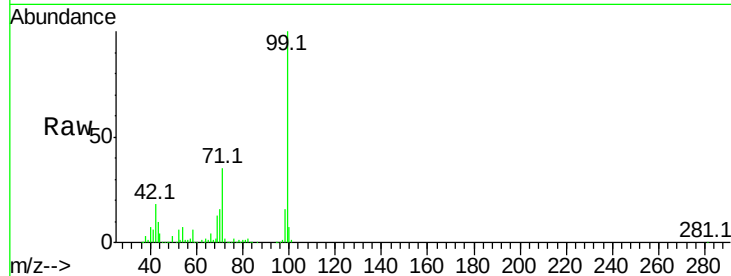
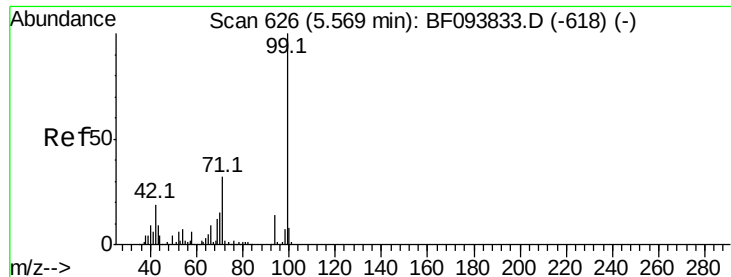


#5

2-Fluorophenol
 Concen: 28.75 ng
 RT: 4.42 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	26.8	23.4	35.0





#7

Phenol-d6

Concen: 28.98 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Tot Ion:	99	Resp:	272647
Ion Ratio	Lower	Upper	
99	100		
42	18.4	13.5	20.3
71	34.6	24.5	36.7

Instrument :

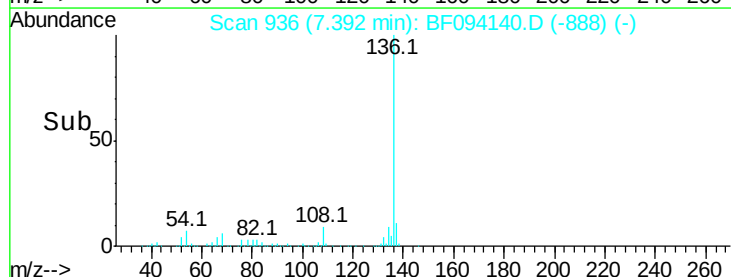
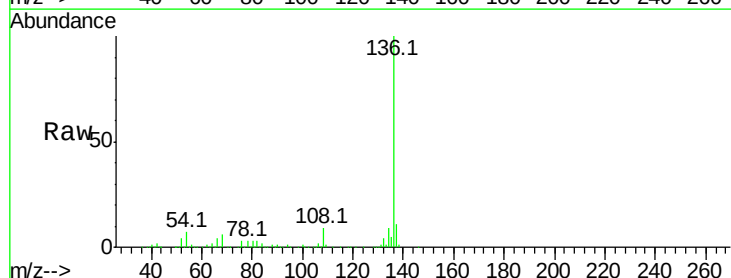
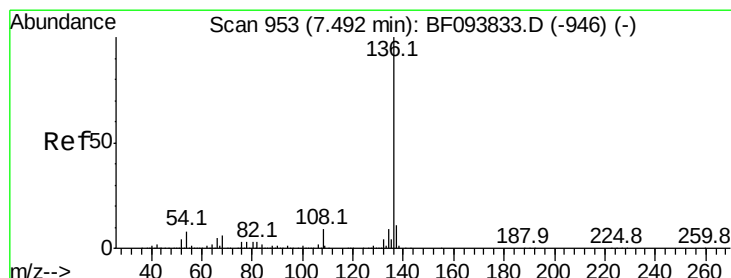
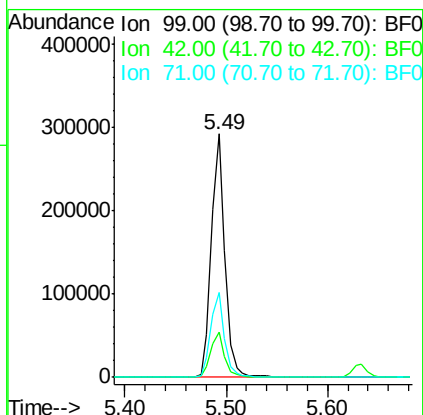
BNA_F

ClientSampleId :

LSS-SP11-COMP

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#21

Naphthalene-d8

Concen: 20.00 ng

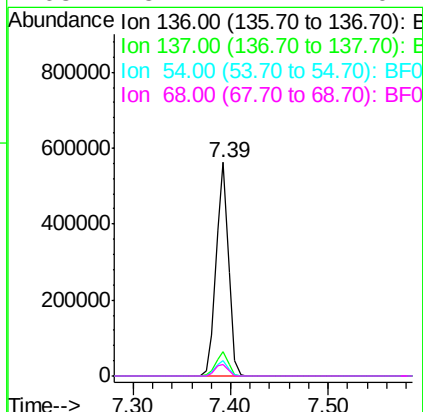
RT: 7.39 min Scan# 936

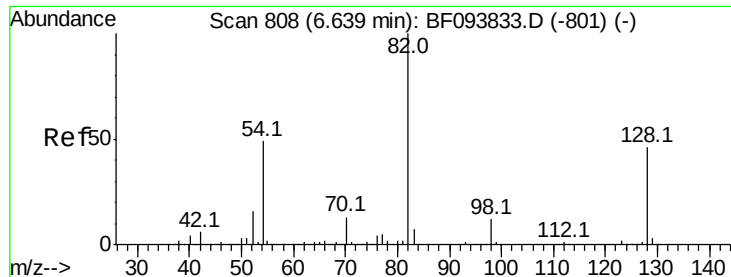
Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Tgt Ion:	136	Resp:	493186
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	7.2	4.9	7.3
68	5.7	4.1	6.1





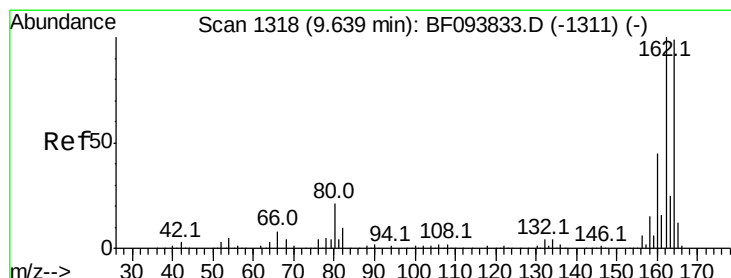
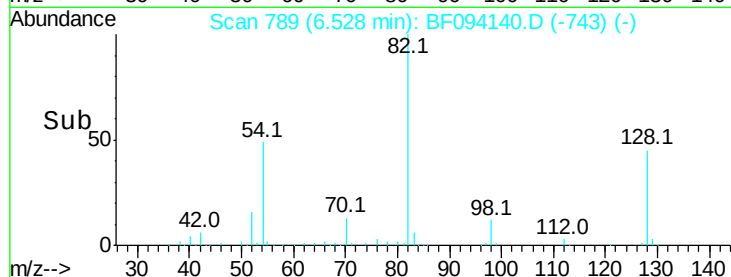
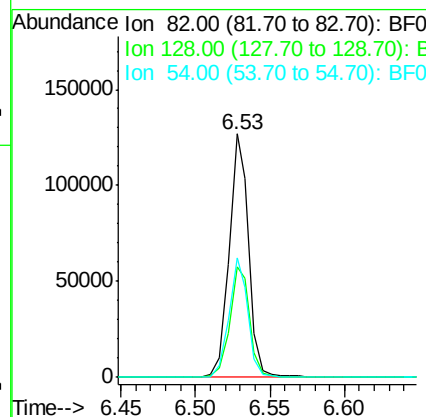
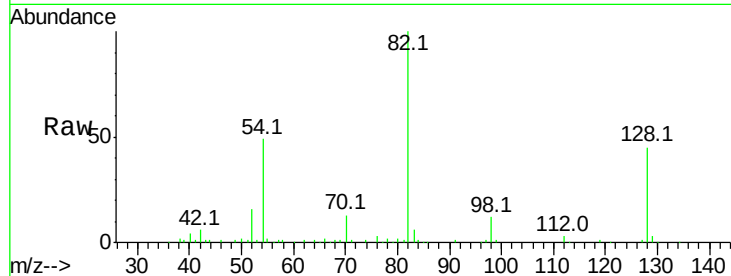
#23
 Nitrobenzene-d5
 Concen: 13.58 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.0	51.0
54	48.9	42.2	63.2

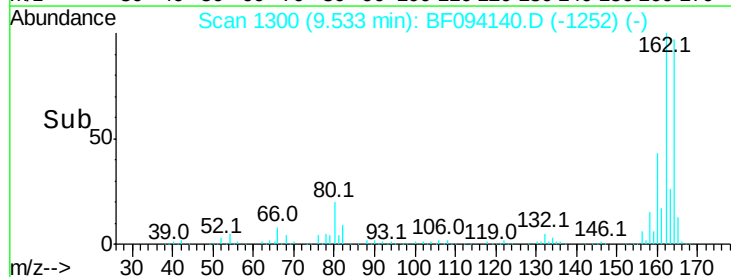
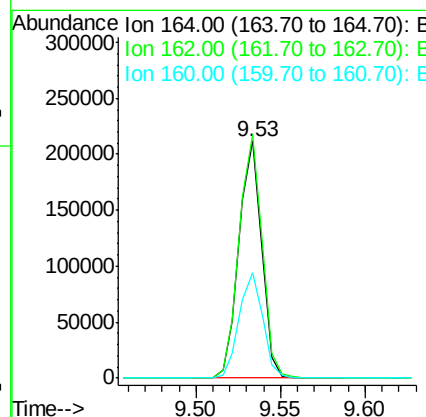
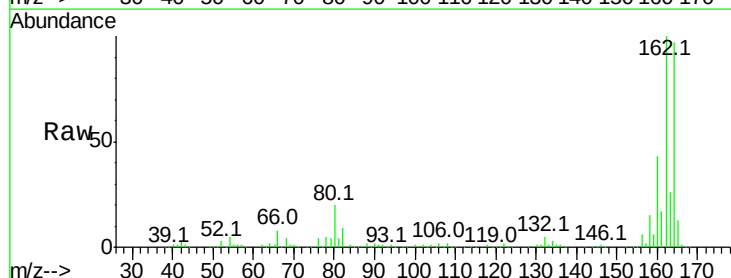
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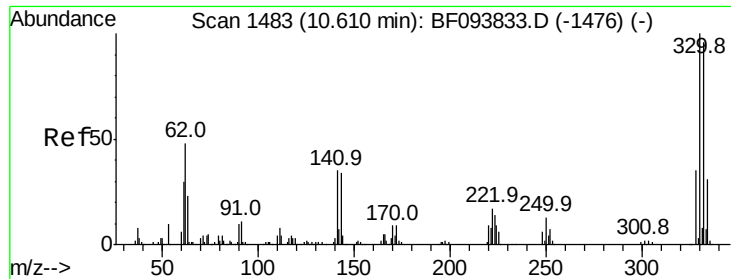
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	44.3	36.2	54.2





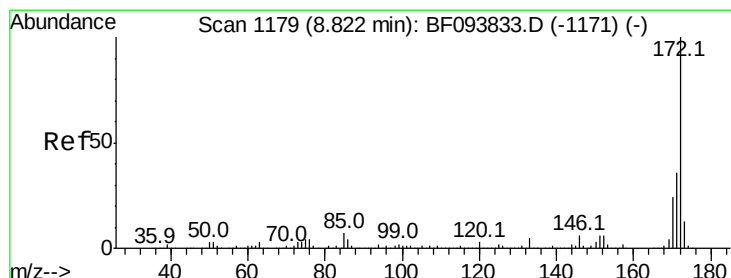
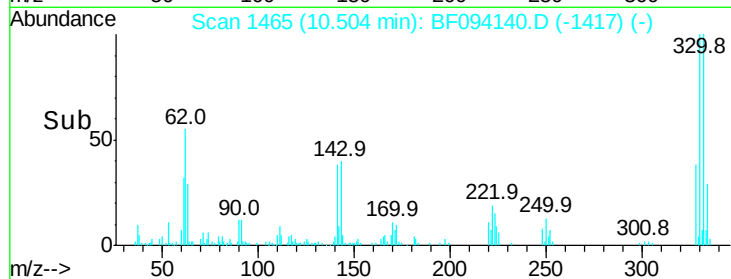
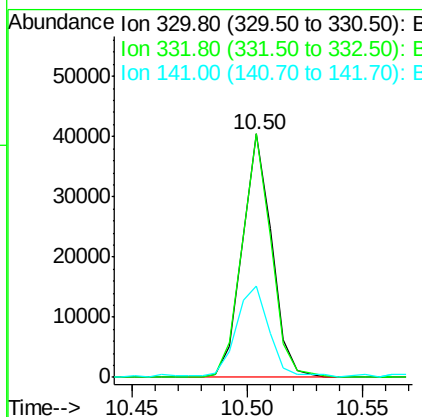
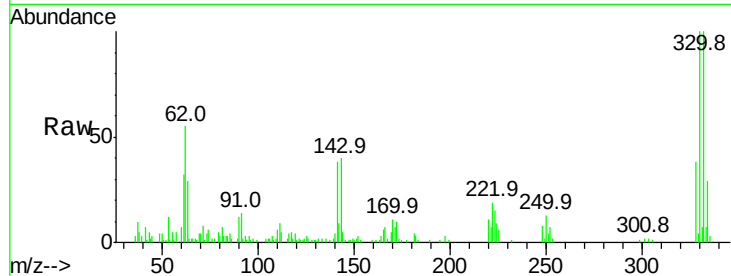
#41
 2,4,6-Tribromophenol
 Concen: 23.30 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.2	76.6	115.0	
141	43.9	31.4	47.2	

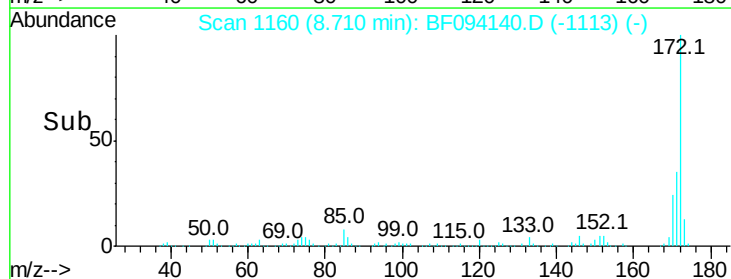
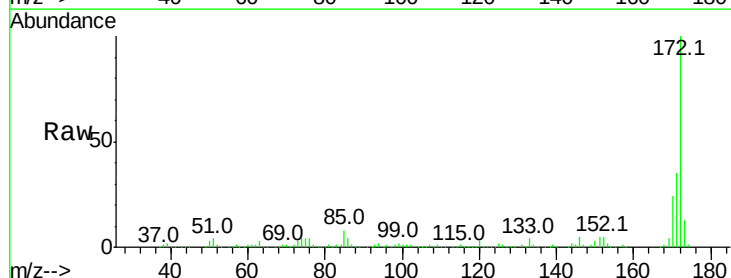
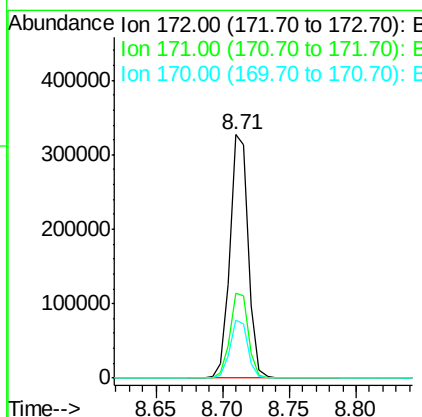
Manual Integrations
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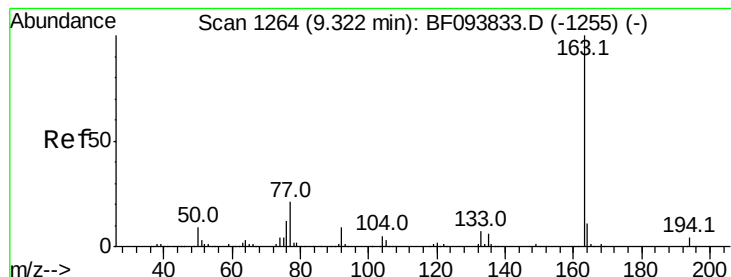
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#44
 2-Fluorobiphenyl
 Concen: 24.69 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.6	44.4	
170	23.7	19.8	29.8	





#49

Dimethylphthalate

Concen: 2.39 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.04 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Instrument :

BNA_F

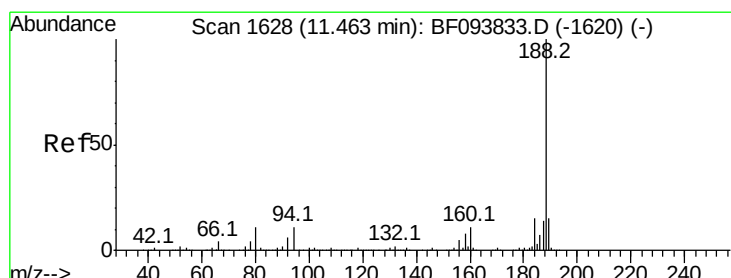
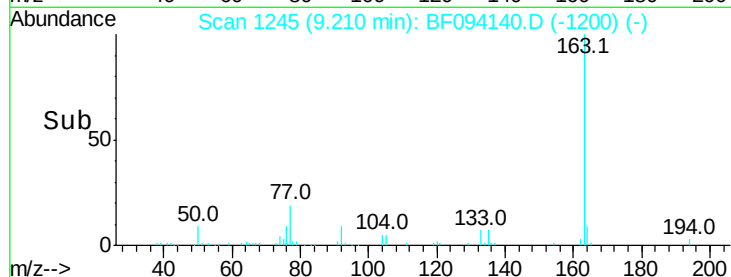
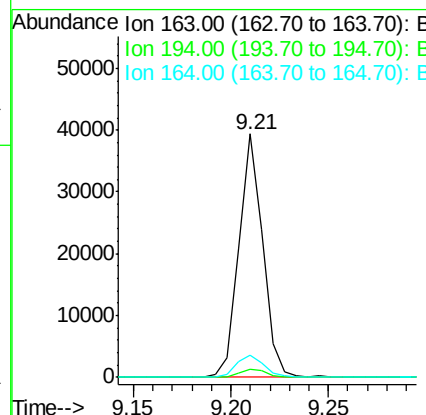
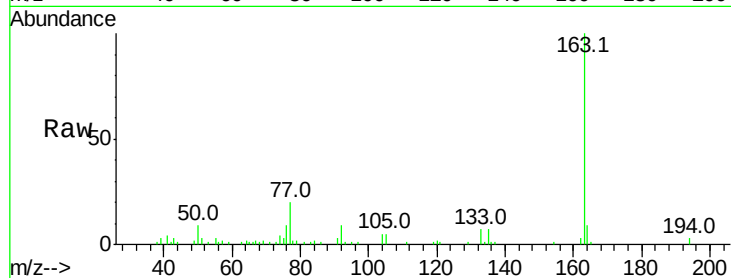
ClientSampleId :

LSS-SP11-COMP

Tot Ion:163	Resp:	33431
Ion Ratio	Lower	Upper
163 100		
194 3.3	2.6	4.0
164 8.9	8.4	12.6

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

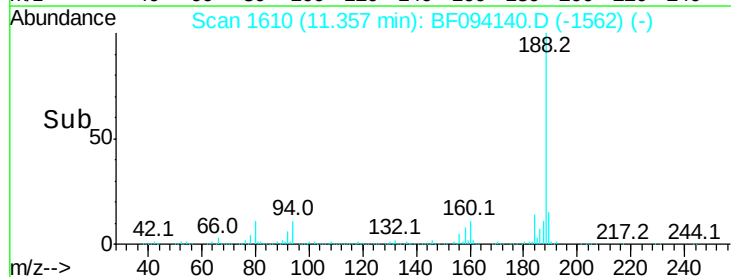
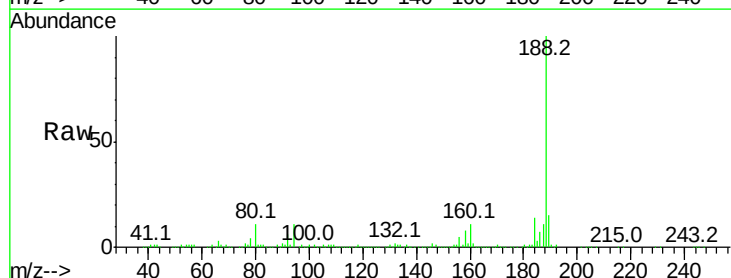
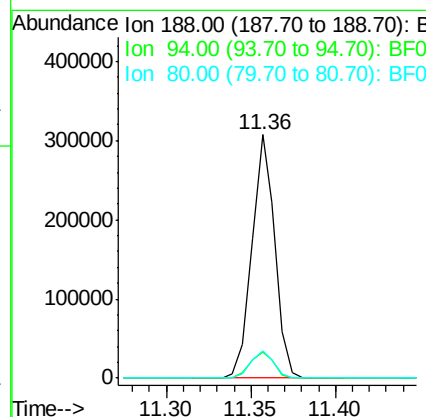
RT: 11.36 min Scan# 1610

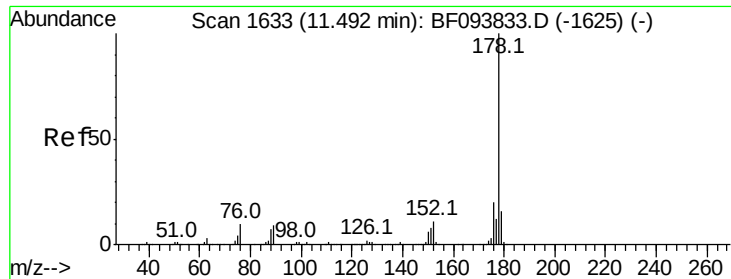
Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Tgt Ion:188	Resp:	290744
Ion Ratio	Lower	Upper
188 100		
94 10.9	9.4	14.2
80 11.3	10.2	15.2





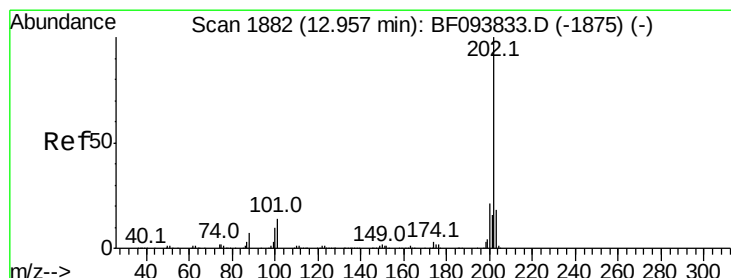
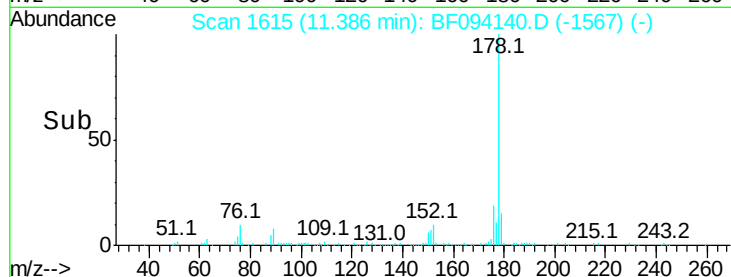
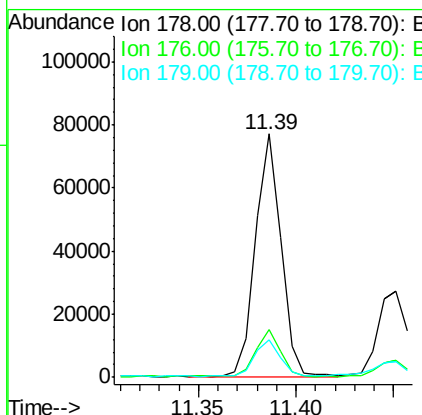
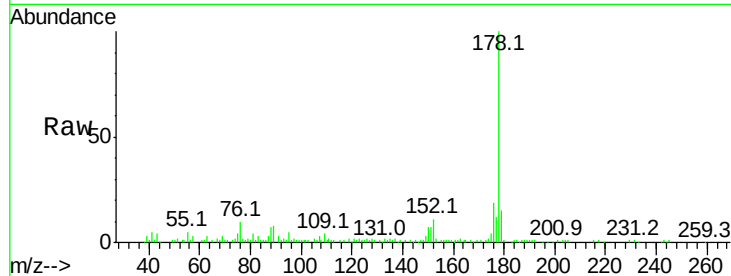
#70
Phenanthrene
Concen: 4.39 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.4	12.6	19.0

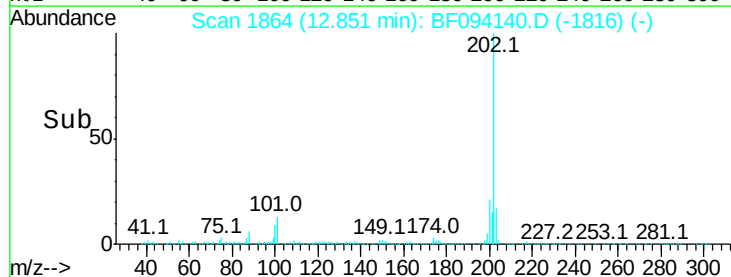
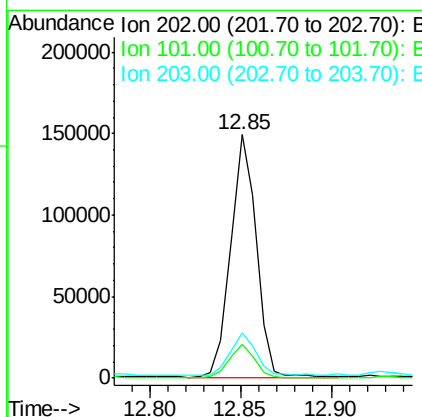
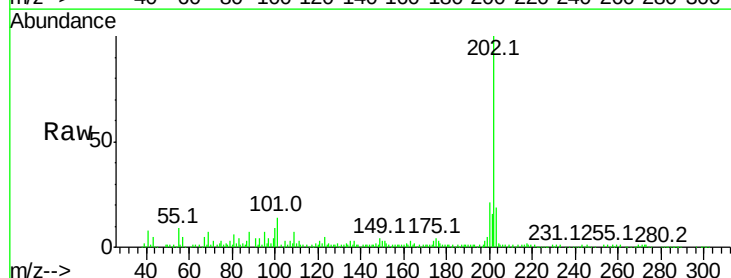
Manual Integrations
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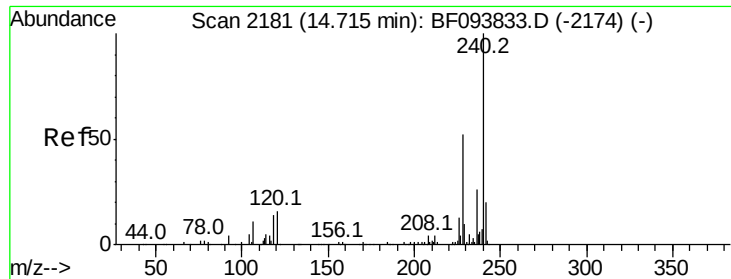
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#74
Fluoranthene
Concen: 8.87 ng
RT: 12.85 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Instrument :

BNA_F

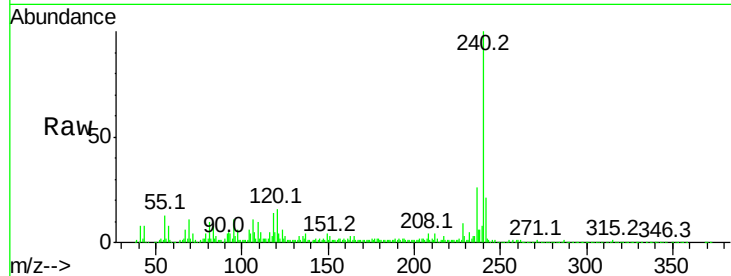
ClientSampleId :

LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	26.1	20.5	30.7

Manual Integrations
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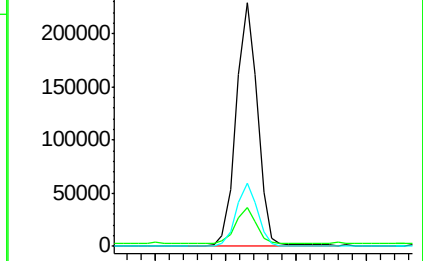
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4/4/2017 5:34:44 PM



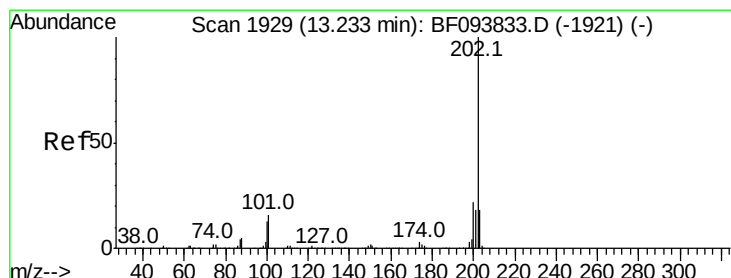
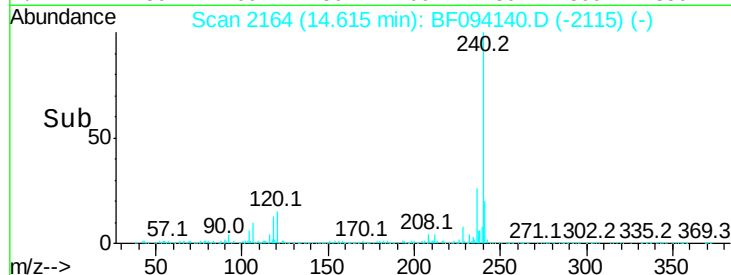
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 8.31 ng

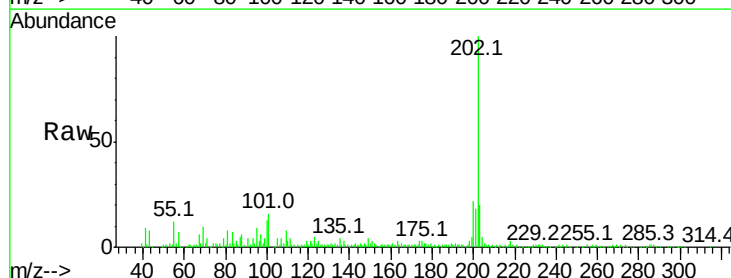
RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

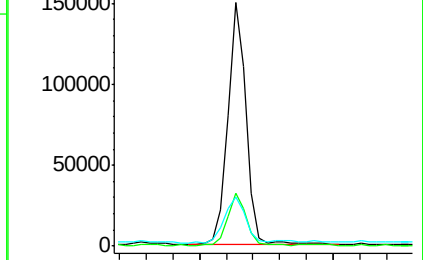
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	20.2	14.4	21.6



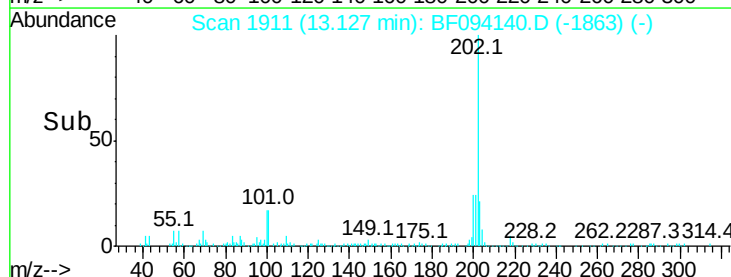
Abundance Ion 202.00 (201.70 to 202.70): E

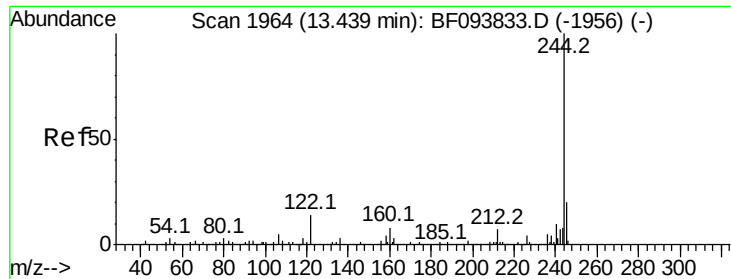
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





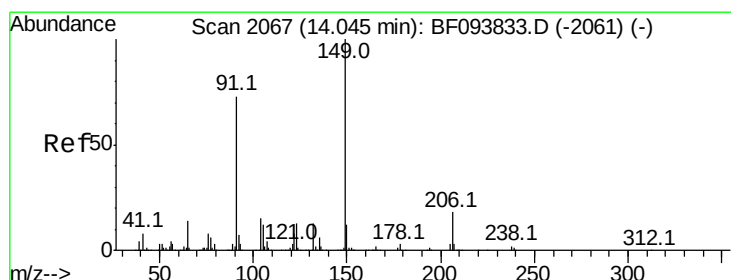
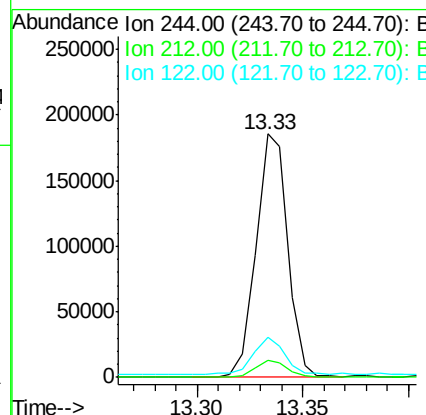
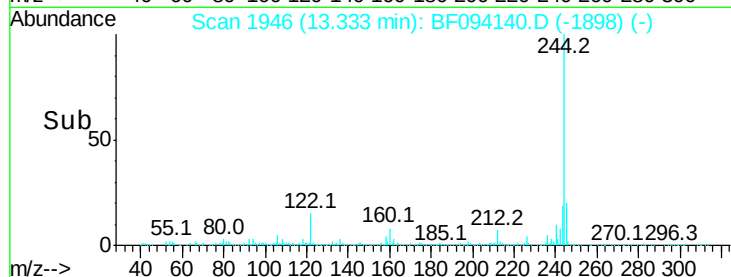
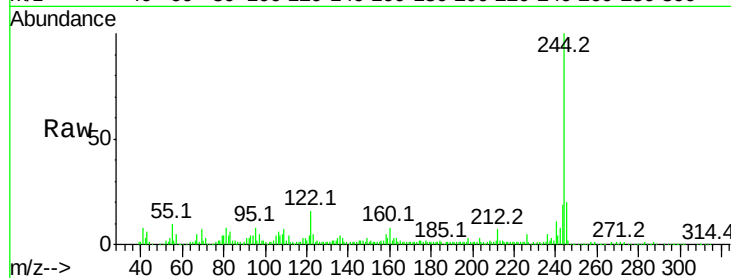
#78
 Terphenyl-d14
 Concen: 17.96 ng
 RT: 13.33 min Scan# 1946
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	16.2	10.3	15.5

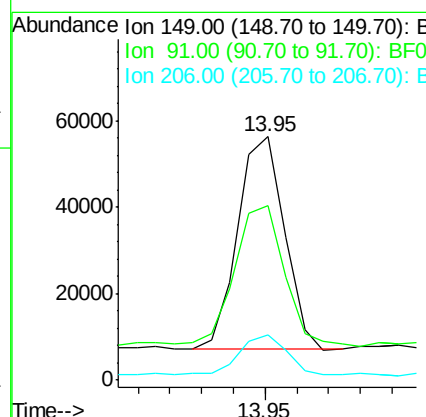
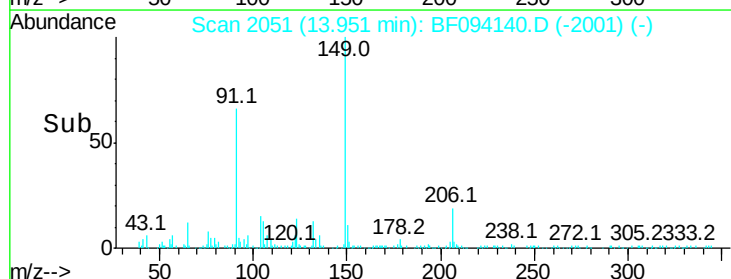
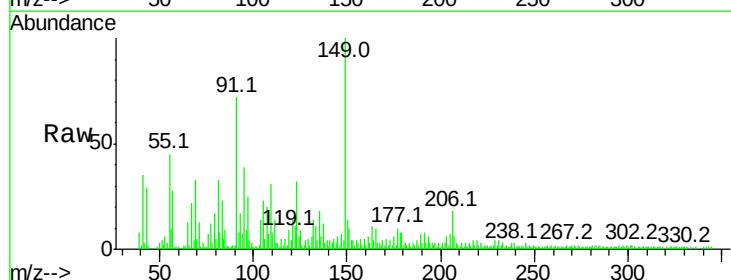
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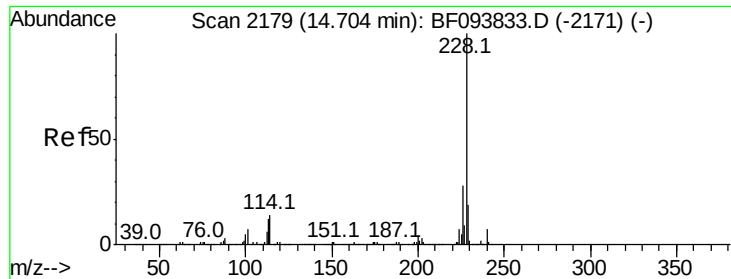
mohammad
 4/4/2017 5:34:44 PM



#79
 Butylbenzylphthalate
 Concen: 6.79 ng
 RT: 13.95 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	71.7	45.0	67.4
206	18.3	17.0	25.6





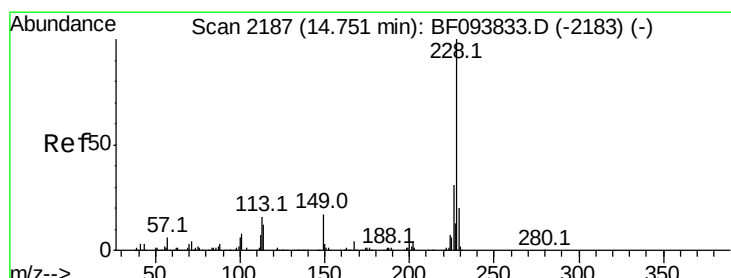
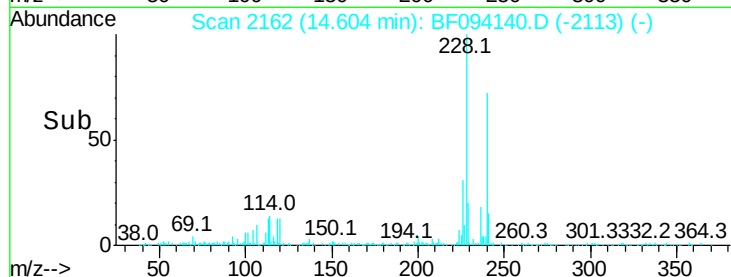
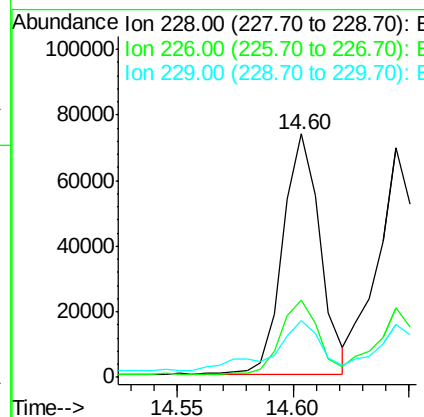
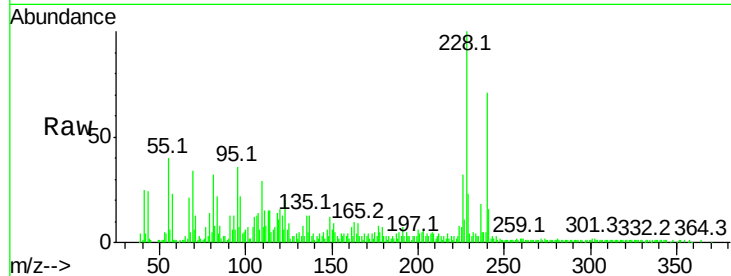
#80
Benzo(a)anthracene
Concen: 5.87 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	23.1	16.3	24.5

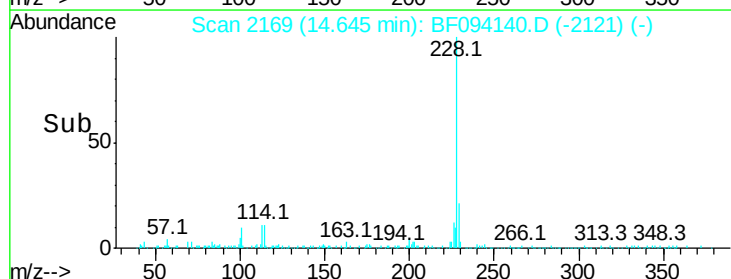
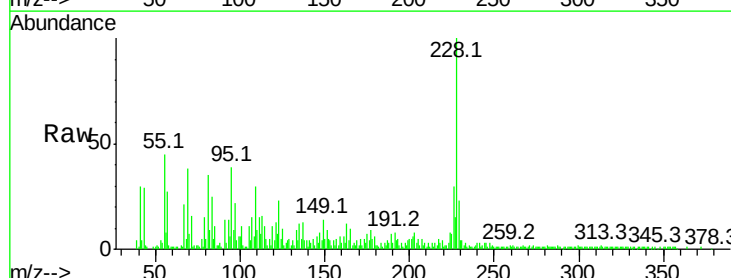
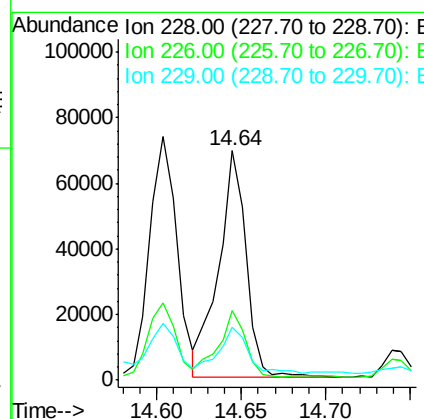
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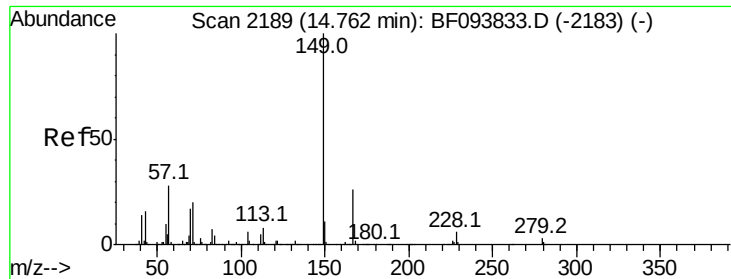
mohammad
4/4/2017 5:34:44 PM



#82
Chrysene
Concen: 6.06 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.9	15.8	23.6





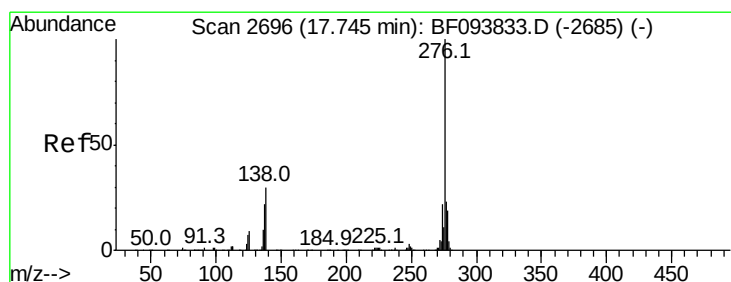
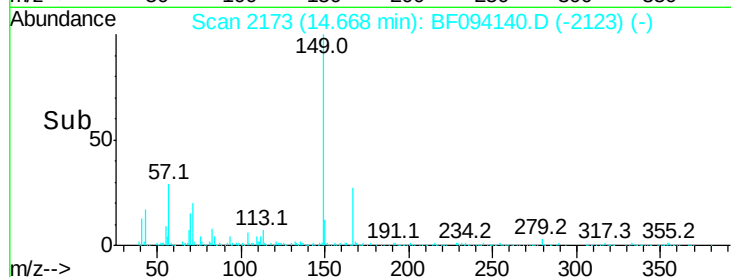
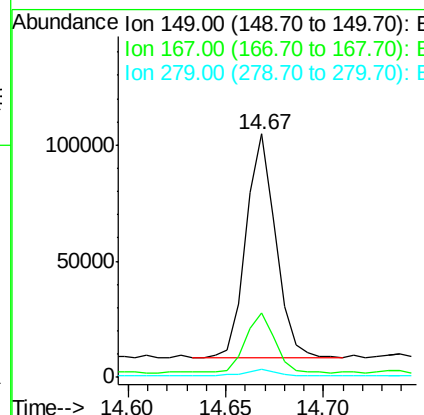
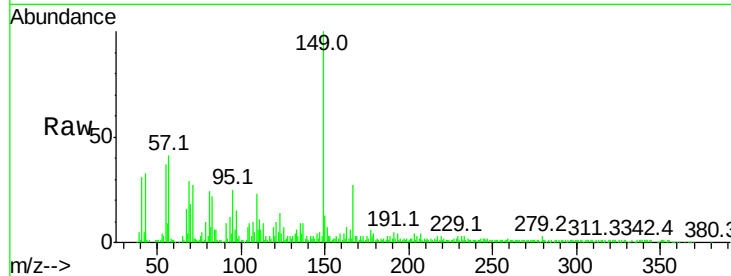
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.12 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.5	21.0	31.4	
279	3.3	1.9	2.9	

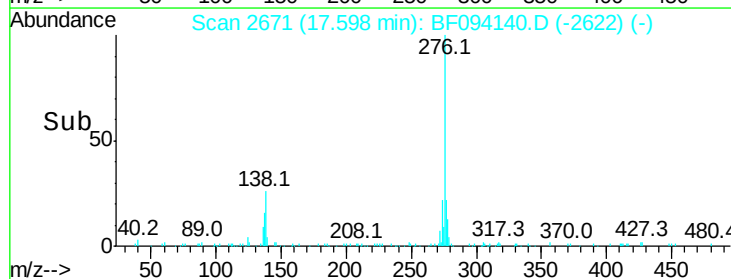
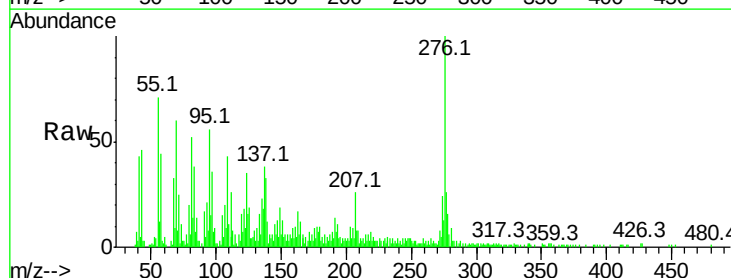
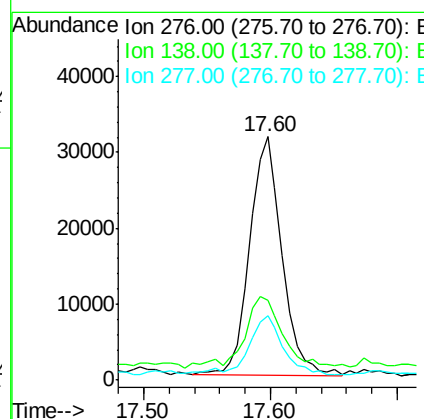
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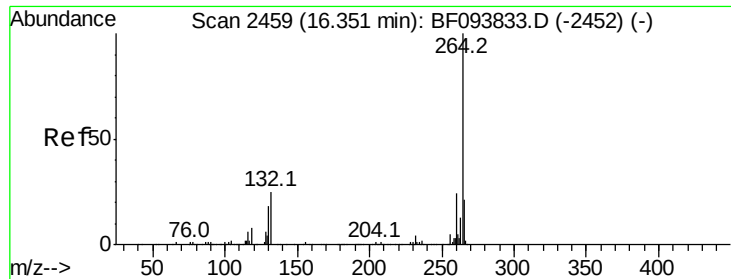
mohammad
 4/4/2017 5:34:44 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.97 ng
 RT: 17.60 min Scan# 2671
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	35.0	27.8	41.6	
277	25.0	20.2	30.4	





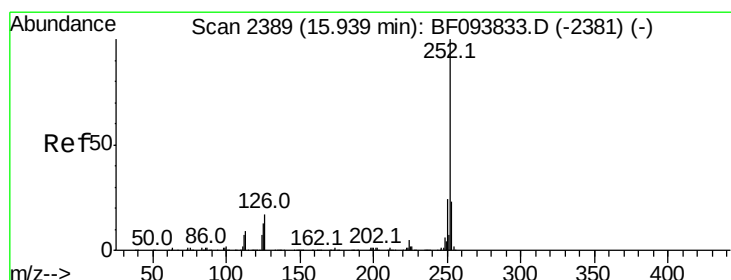
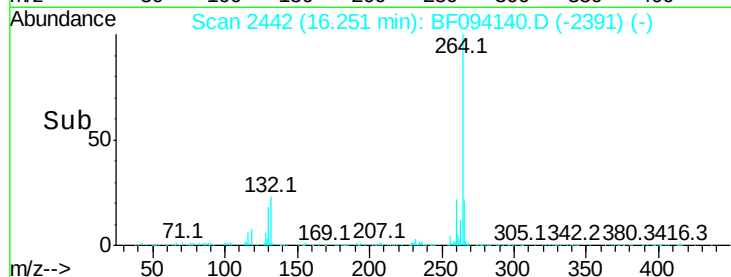
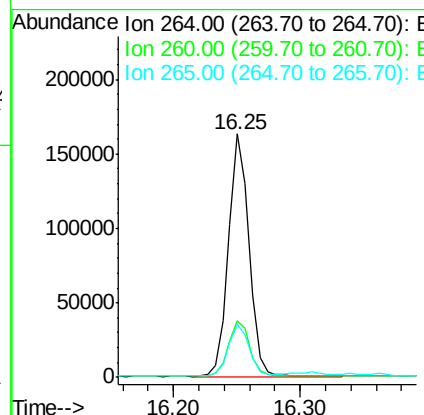
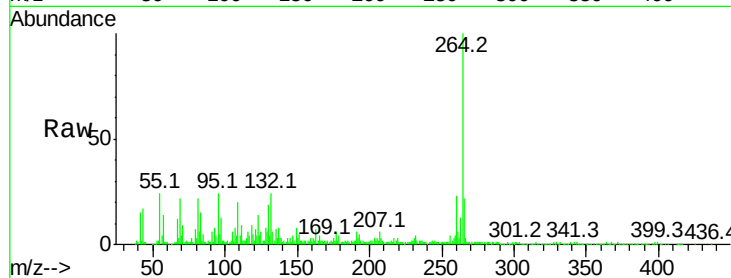
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.7	17.2	25.8

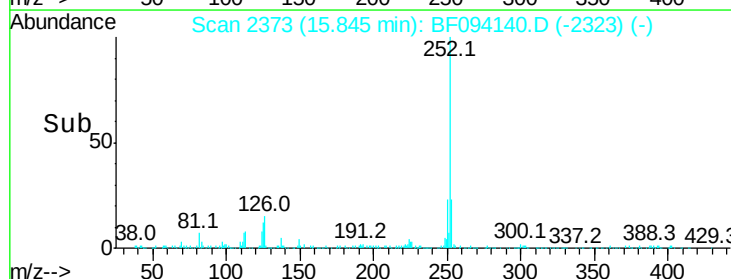
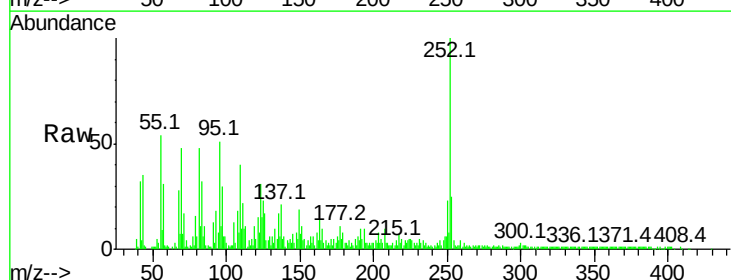
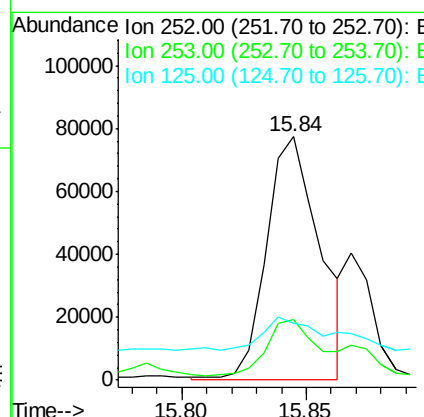
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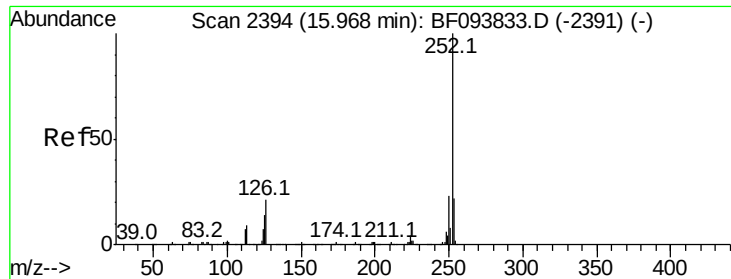
mohammad
4/4/2017 5:34:44 PM



#87
Benzo(b)fluoranthene
Concen: 10.23 ng m
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	23.4	9.8	14.8





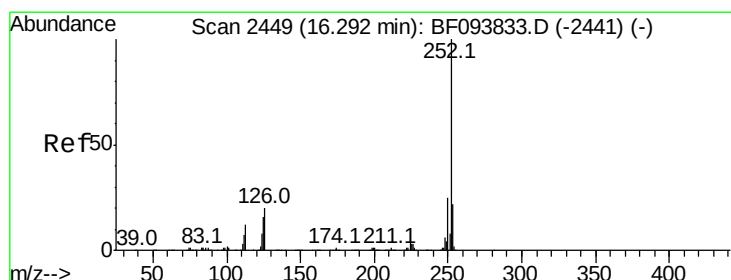
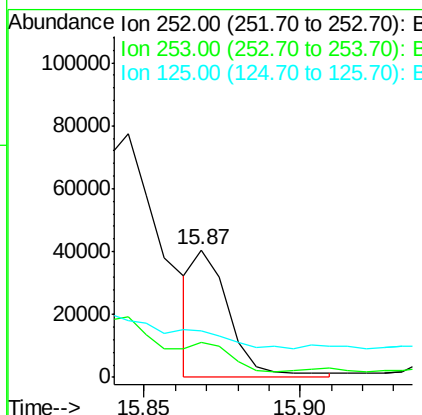
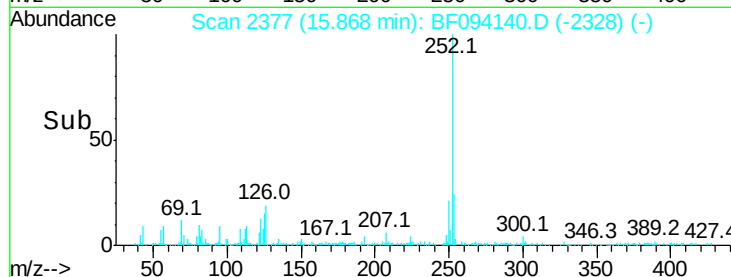
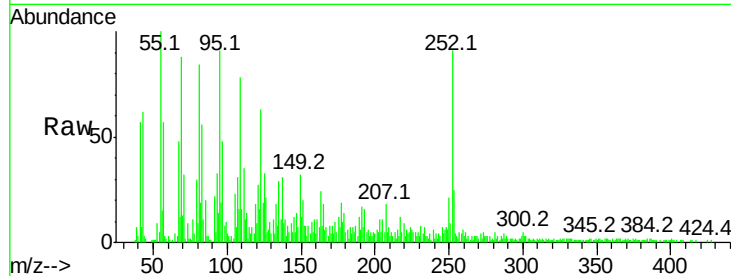
#88
Benzo(k)fluoranthene
Concen: 2.97 ng m
RT: 15.87 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	36.2	13.1	19.7

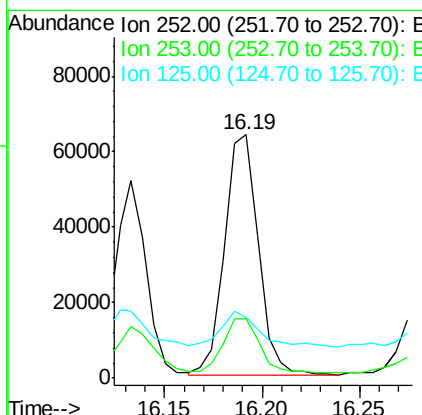
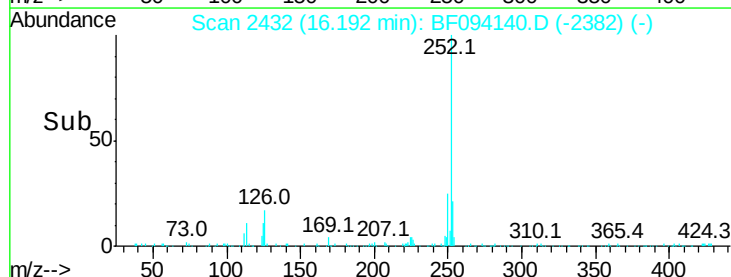
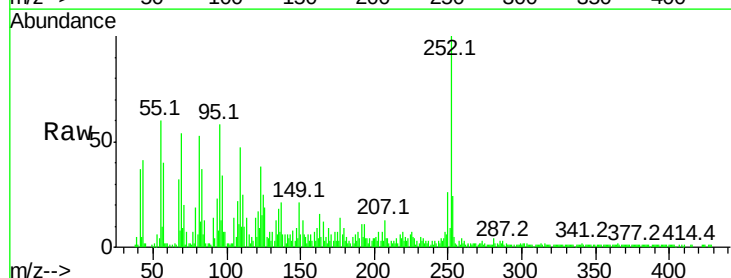
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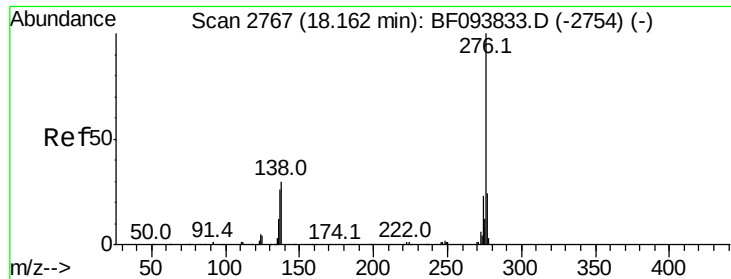
mohammad
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#89
Benzo(a)pyrene
Concen: 7.32 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	24.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.93 ng
 RT: 18.00 min Scan# 2739
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	31.7	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 4/4/2017 5:34:44 PM

