

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094139.D
 Acq On : 3 Apr 2017 23:39
 Operator : SJ/MA
 Sample : I2493-14 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

Manual Integrations
 APPROVED

mohammad
 4/4/2017 5:34:41 PM

Quant Time: Apr 04 02:26:21 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	135182	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	511107	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	198551	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	286677	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	251582	20.00	ng	-0.01
86) Perylene-d12	16.25	264	185028	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	197605	24.69	ng	-0.02
7) Phenol-d6	5.49	99	242715	24.51	ng	-0.02
23) Nitrobenzene-d5	6.53	82	98402	10.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	30679	19.55	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	274086	21.06	ng	-0.02
78) Terphenyl-d14	13.33	244	161079	14.35	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.39	178	38662	2.42	ng	97
74) Fluoranthene	12.85	202	83071	5.09	ng	99
77) Pyrene	13.13	202	86617	4.74	ng	98
79) Butylbenzylphthalate	13.95	149	45717	5.88	ng	# 83
80) Benzo(a)anthracene	14.60	228	46210	3.15	ng	94
82) Chrysene	14.64	228	45780m	3.36	ng	
83) Bis(2-ethylhexyl)phthalate	14.67	149	84245	7.94	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.60	276	34264	2.91	ng	95
87) Benzo(b)fluoranthene	15.84	252	70426m	6.21	ng	
89) Benzo(a)pyrene	16.19	252	41608	3.98	ng	# 67
91) Benzo(g,h,i)perylene	17.99	276	44801	5.03	ng	97

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

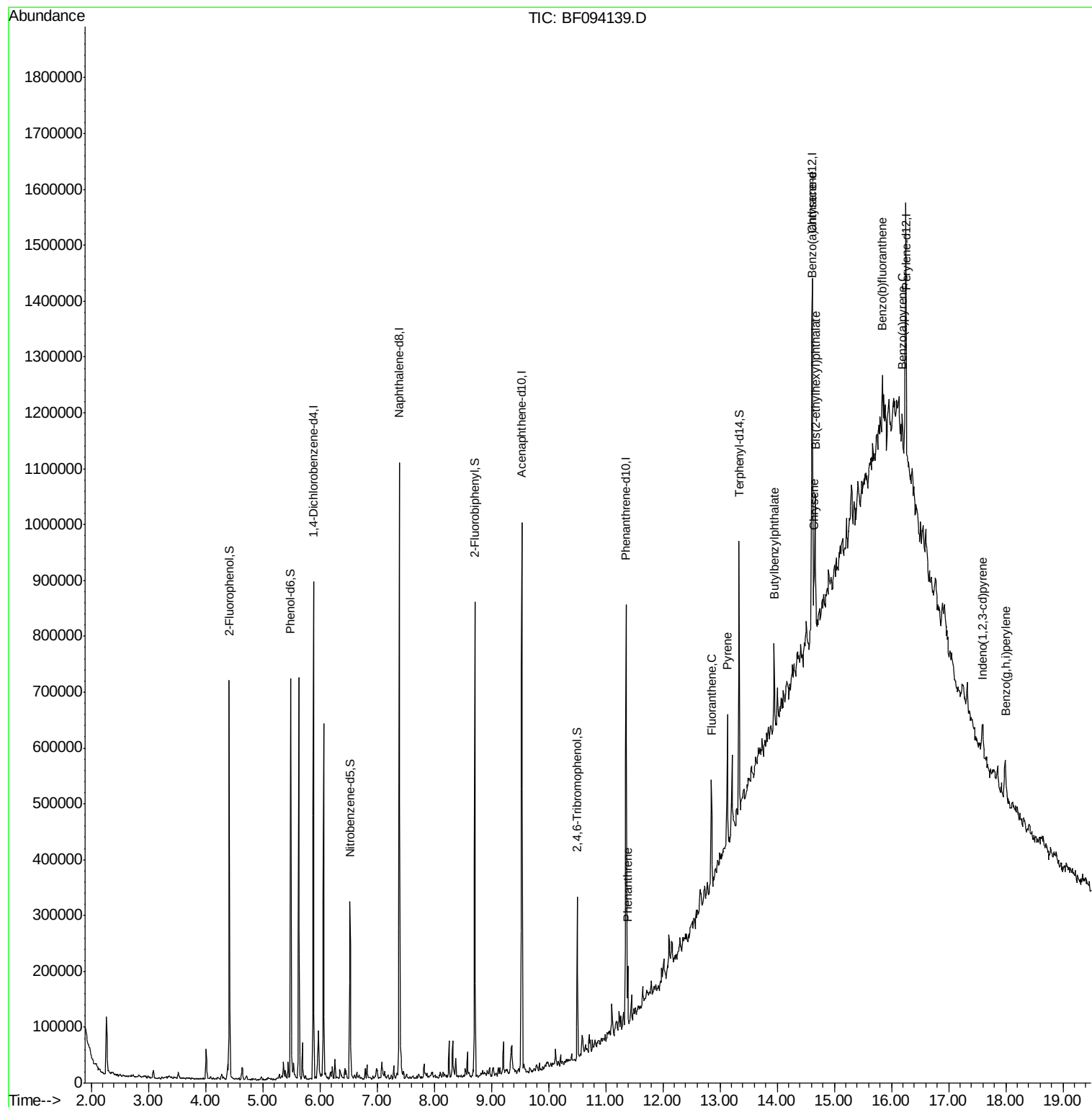
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094139.D
Acq On : 3 Apr 2017 23:39
Operator : SJ/MA
Sample : I2493-14 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

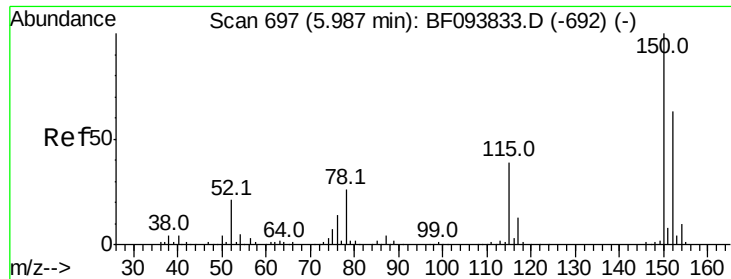
Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Manual Integrations
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Response via : Initial Calibration





#1

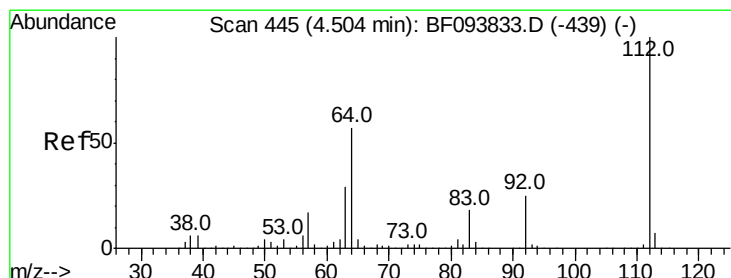
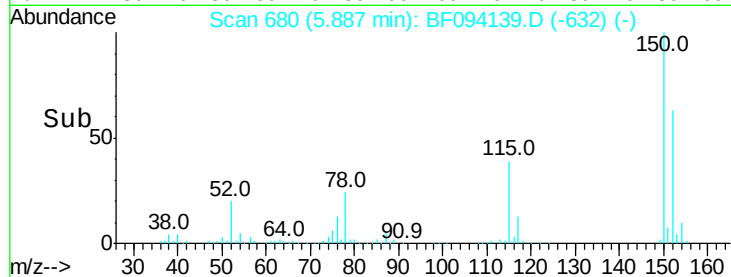
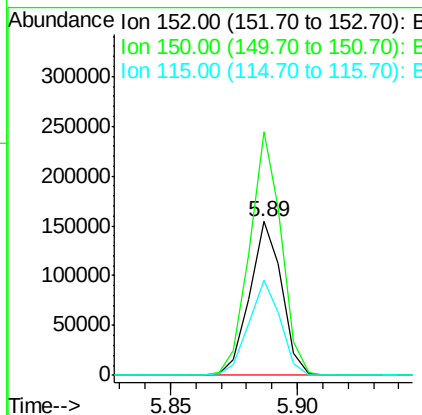
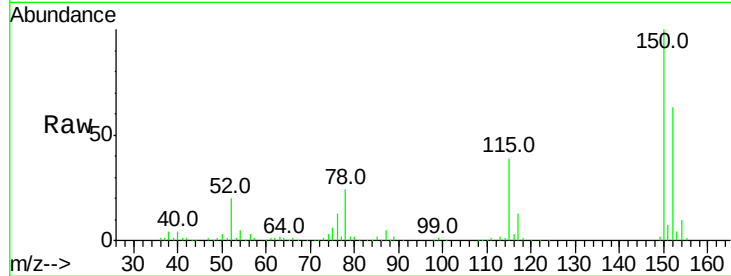
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	61.7	52.2	78.2

Manual Integrations
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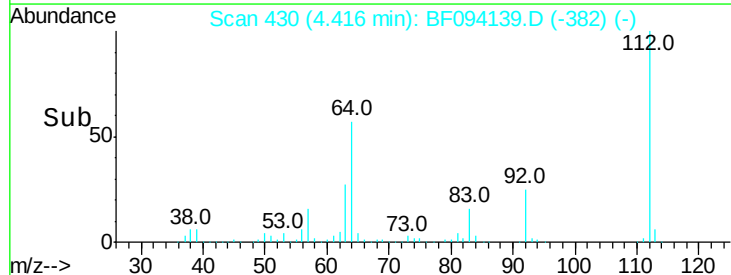
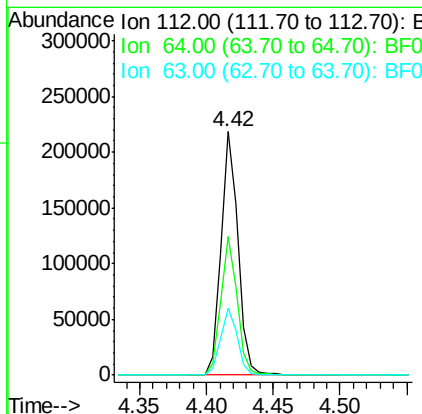
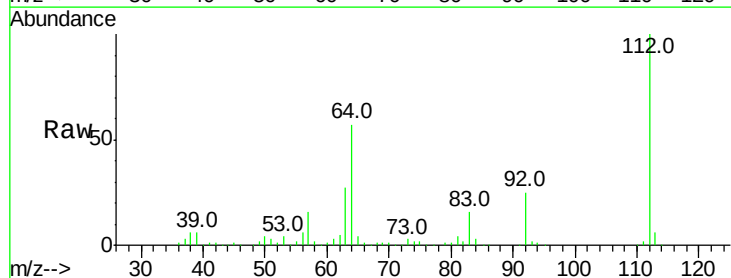
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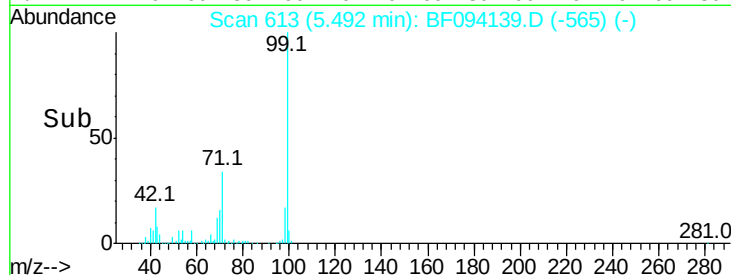
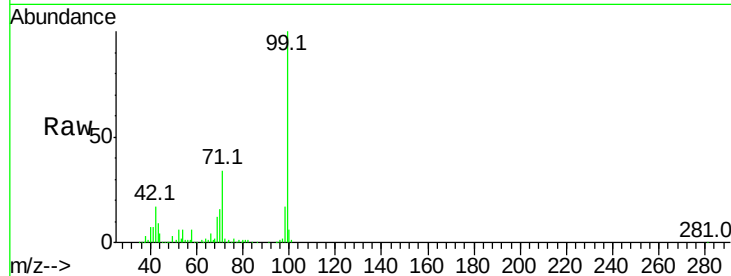
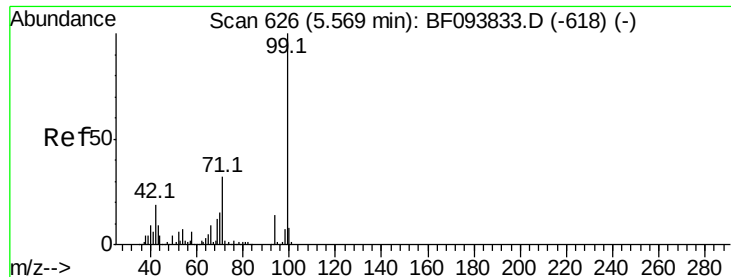


#5

2-Fluorophenol
Concen: 24.69 ng
RT: 4.42 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.0	69.0
63	27.5	23.4	35.0





#7

Phenol-d6

Concen: 24.51 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		242715		
42	17.3	13.5	20.3		
71	33.9	24.5	36.7		

Instrument :

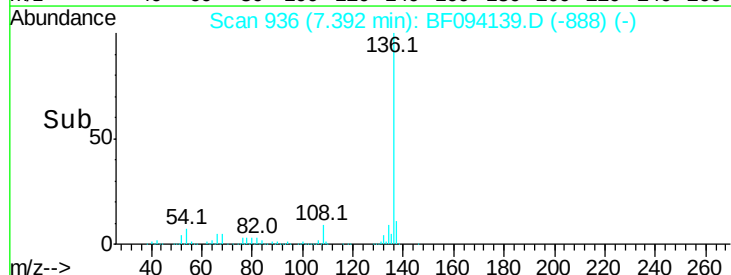
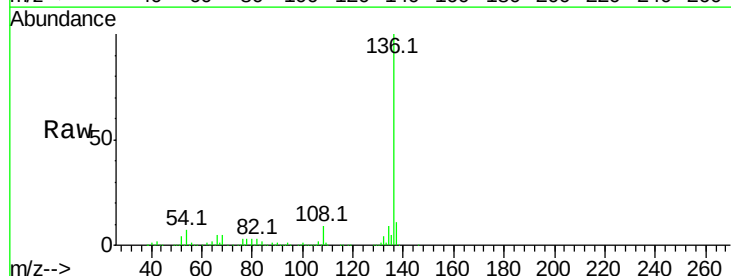
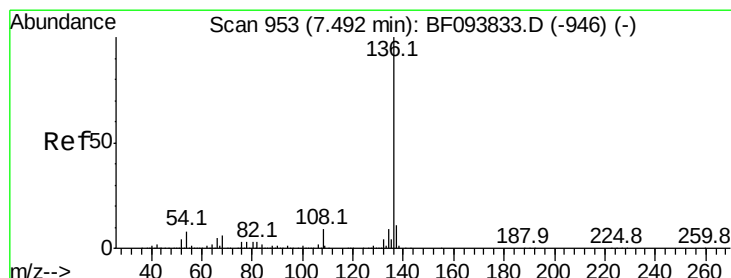
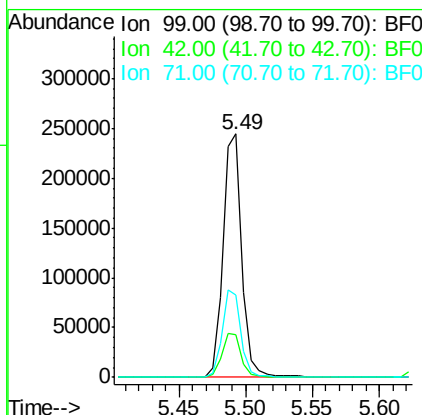
BNA_F

ClientSampleId :

LSS-SP10-COMP

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#21

Naphthalene-d8

Concen: 20.00 ng

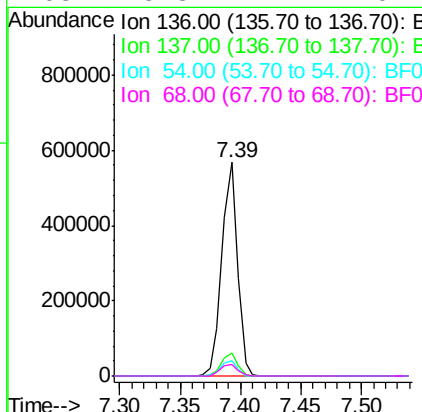
RT: 7.39 min Scan# 936

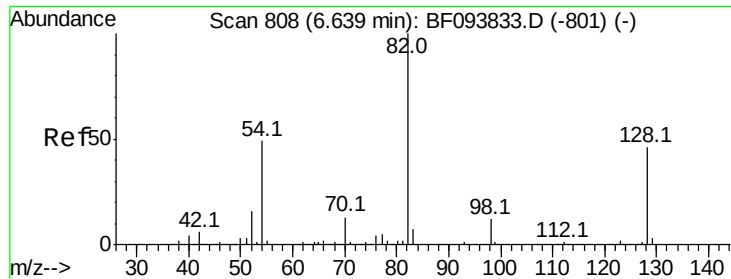
Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		511107		
137	10.9	8.5	12.7		
54	7.0	4.9	7.3		
68	5.3	4.1	6.1		





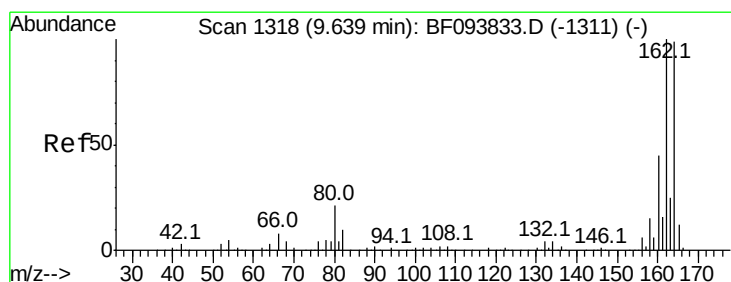
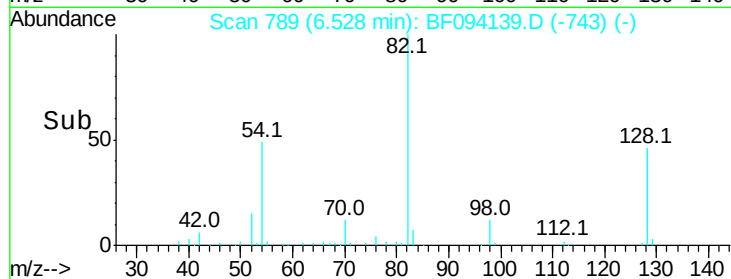
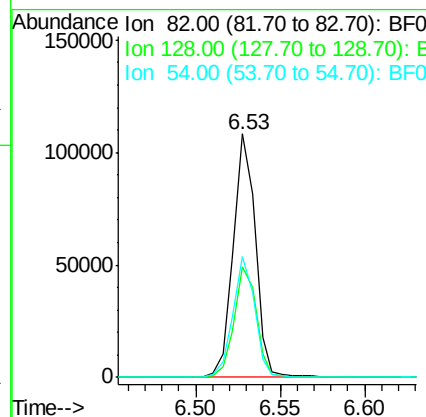
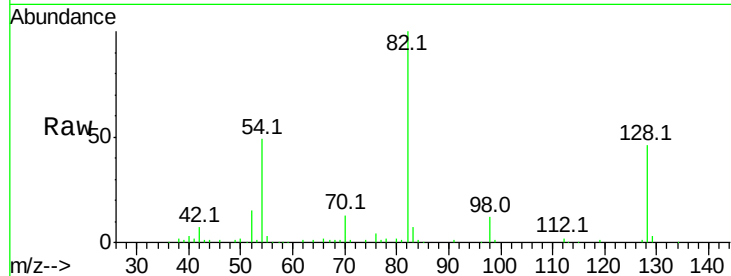
#23
 Nitrobenzene-d5
 Concen: 10.99 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	49.4	42.2	63.2

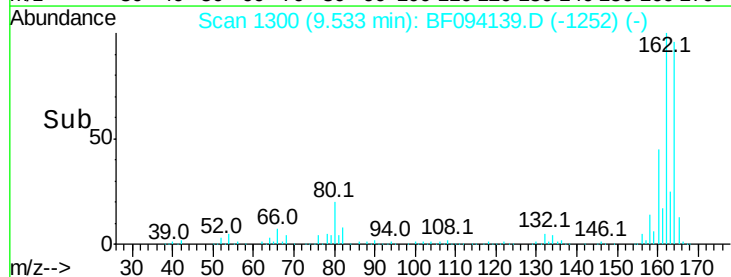
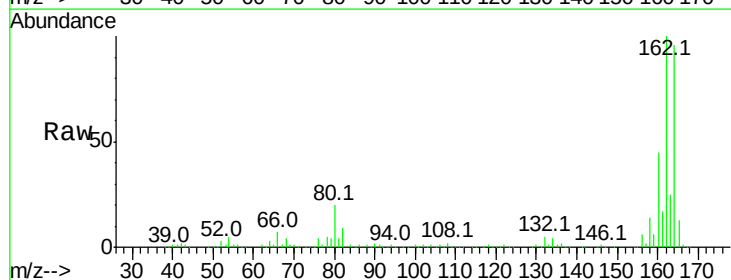
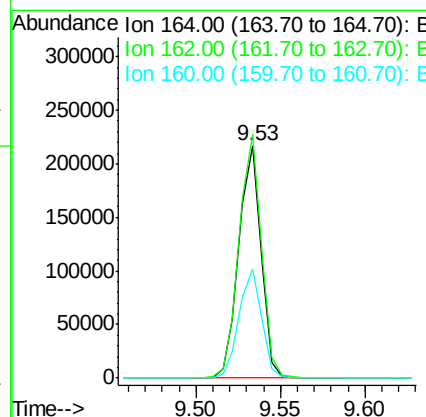
Manual Integrations
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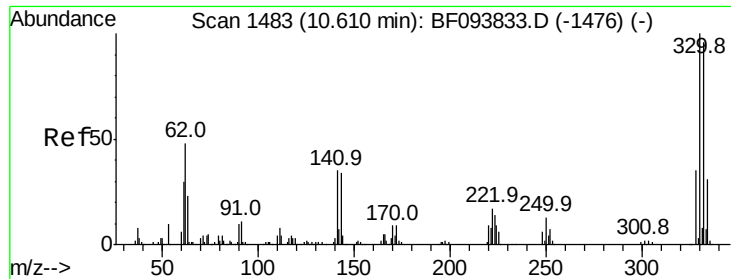
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	46.8	36.2	54.2





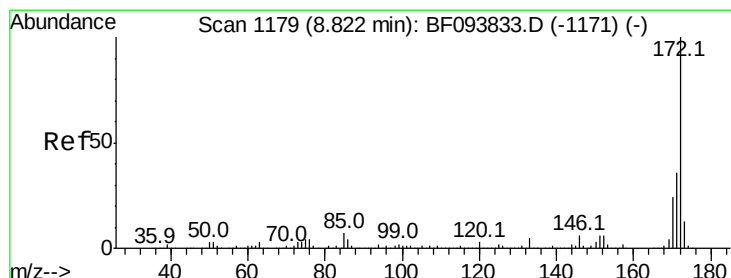
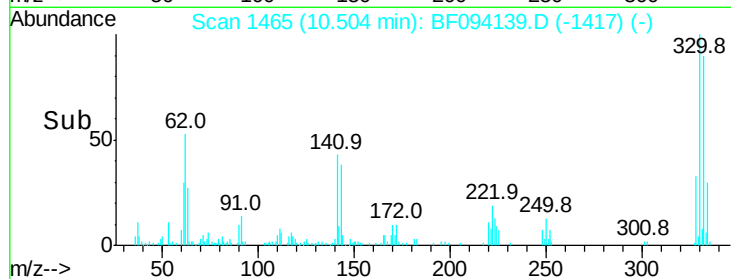
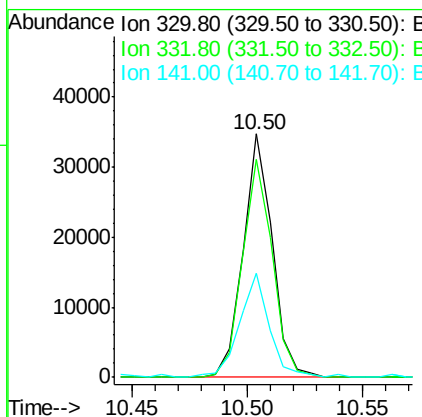
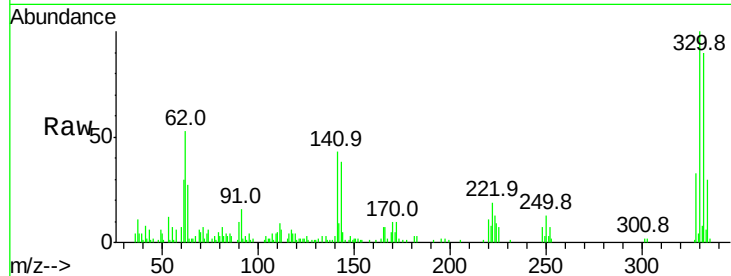
#41
 2,4,6-Tribromophenol
 Concen: 19.55 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.8	76.6	115.0
141	44.2	31.4	47.2

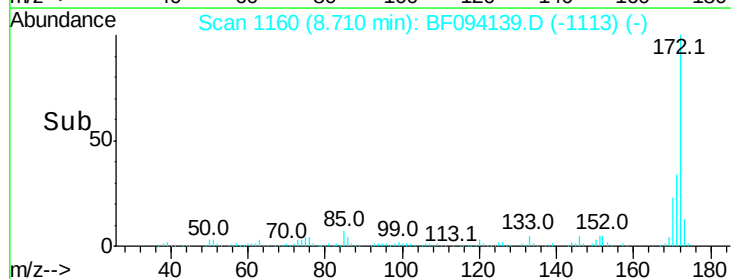
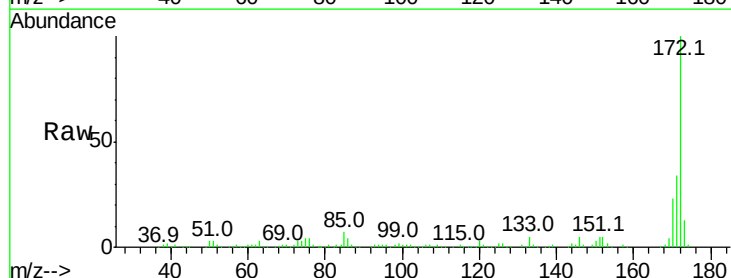
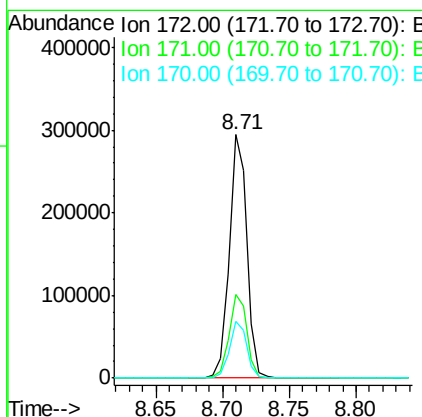
Manual Integrations
 APPROVED

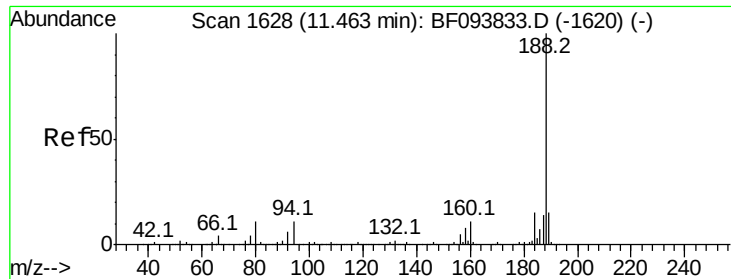
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#44
 2-Fluorobiphenyl
 Concen: 21.06 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	23.4	19.8	29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

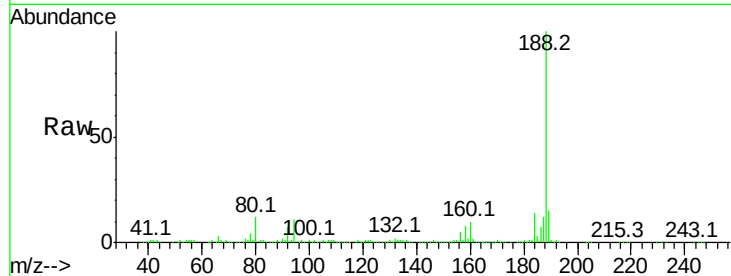
ClientSampleId :

LSS-SP10-COMP

Tot Ion:	188	Resp:	286677
Ion Ratio	Lower	Upper	
188	100		
94	11.5	9.4	14.2
80	11.6	10.2	15.2

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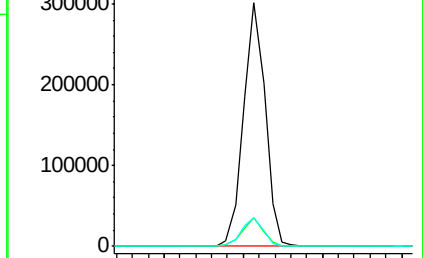
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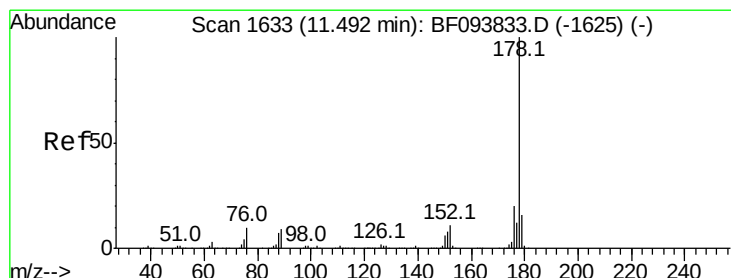
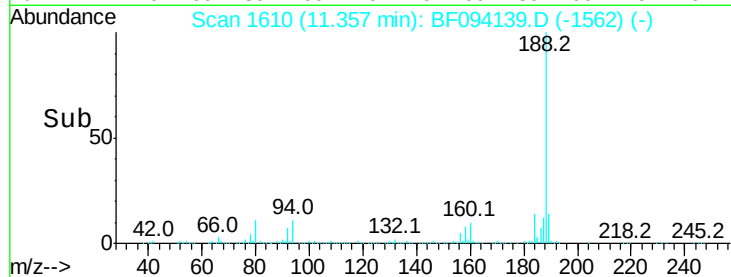
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 2.42 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BF094139.D

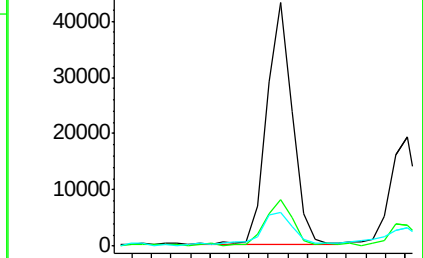
Acq: 3 Apr 2017 23:39

Tgt Ion:	178	Resp:	38662
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.4
179	14.1	12.6	19.0

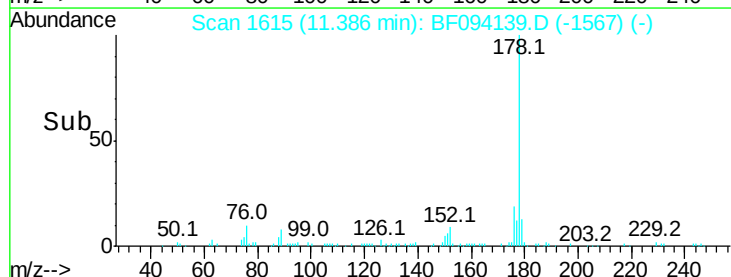
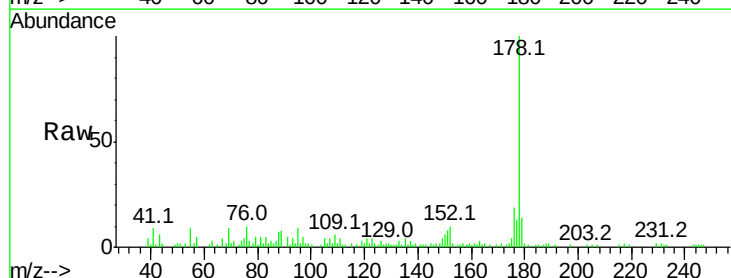
Abundance Ion 178.00 (177.70 to 178.70): E

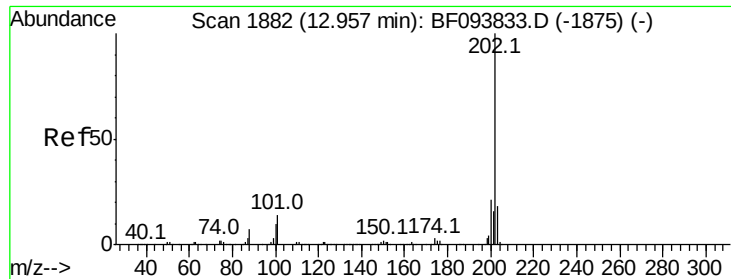
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 5.09 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

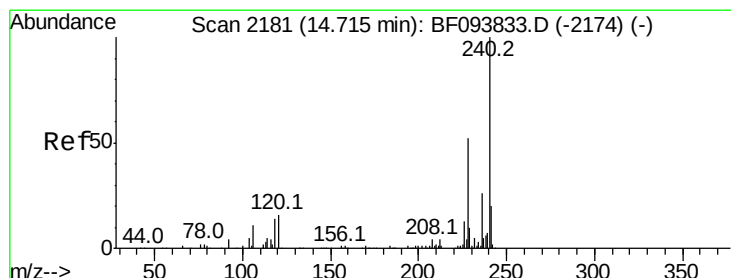
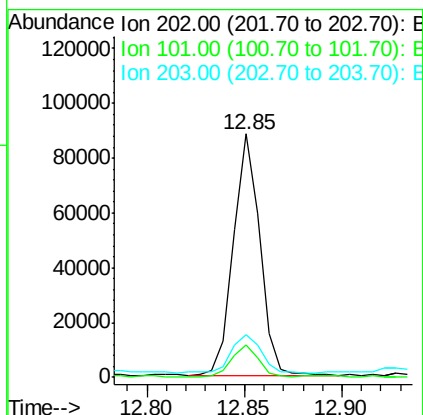
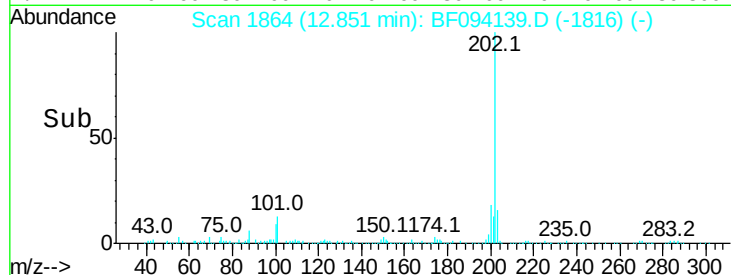
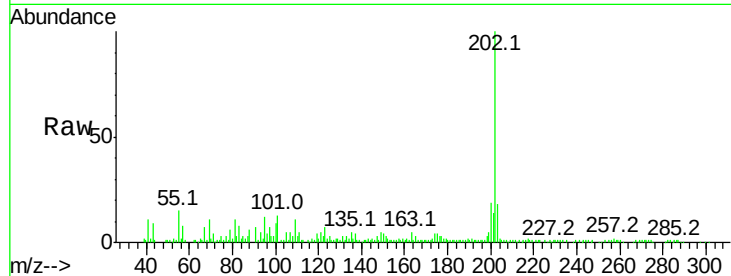
ClientSampleId :

LSS-SP10-COMP

Tot Ion:	202	Resp:	83071
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.2
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

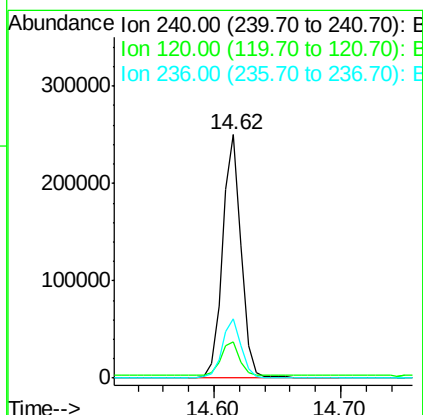
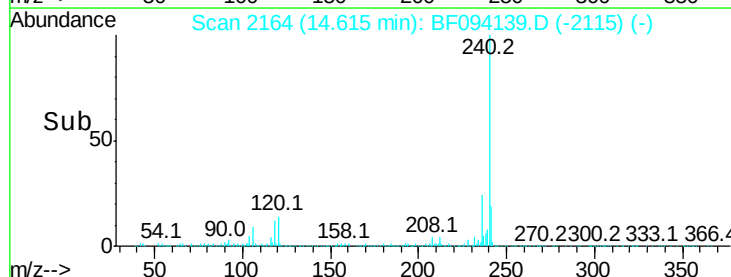
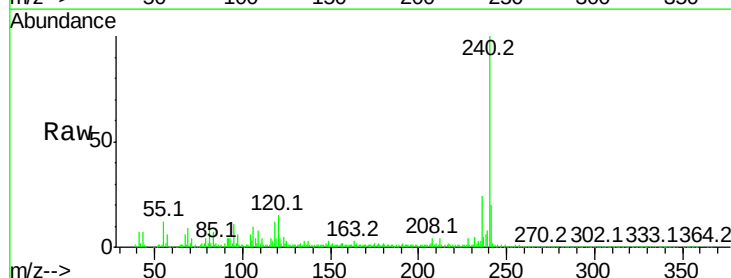
RT: 14.62 min Scan# 2164

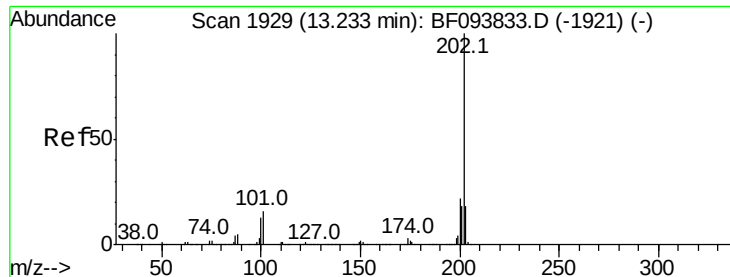
Delta R.T. -0.01 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Tgt Ion:	240	Resp:	251582
Ion Ratio	Lower	Upper	
240	100		
120	14.9	5.8	8.8#
236	24.3	20.5	30.7





#77

Pvrene

Concen: 4.74 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

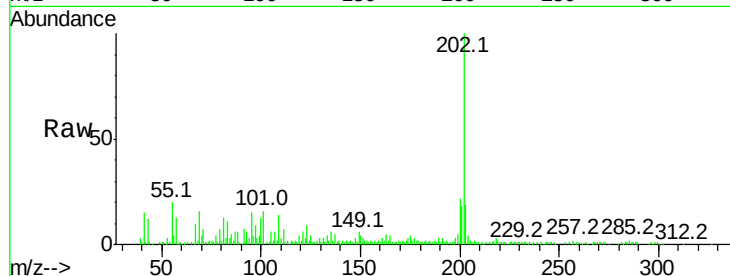
ClientSampleId :

LSS-SP10-COMP

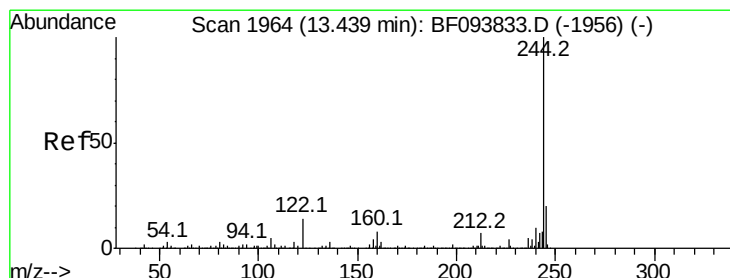
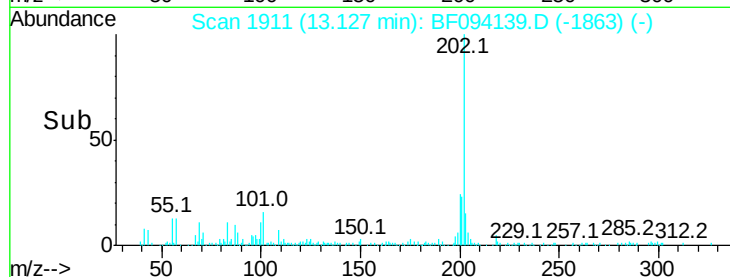
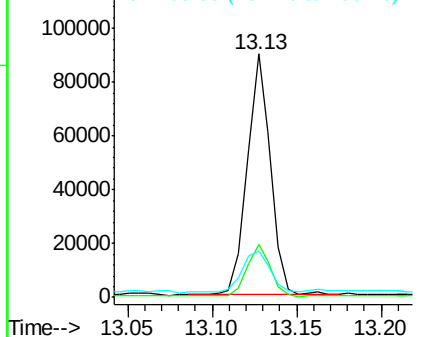
Tot Ion:	202	Resp:	86617
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	19.3	14.4	21.6

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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: 14.35 ng

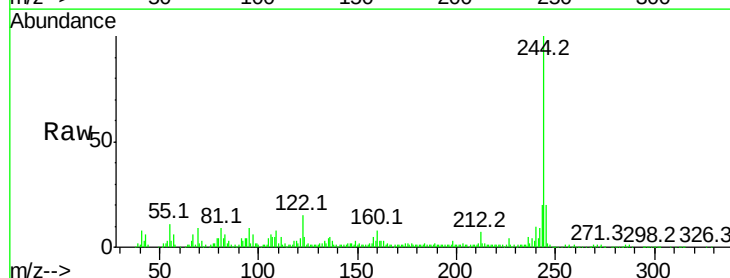
RT: 13.33 min Scan# 1946

Delta R.T. -0.02 min

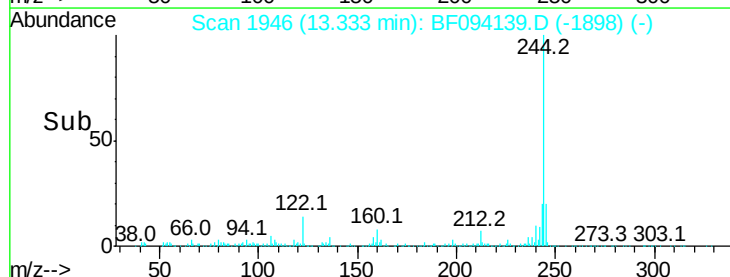
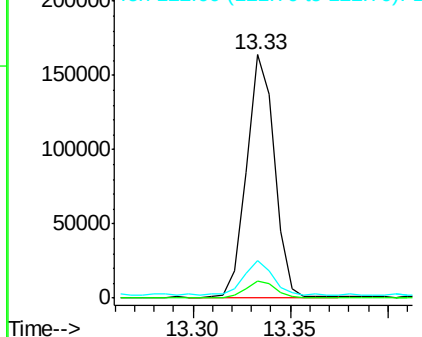
Lab File: BF094139.D

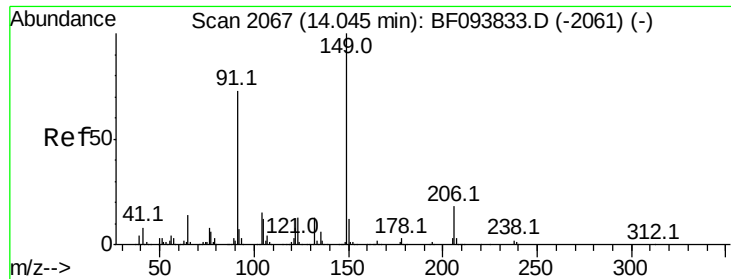
Acq: 3 Apr 2017 23:39

Tgt Ion:	244	Resp:	161079
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	15.4	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





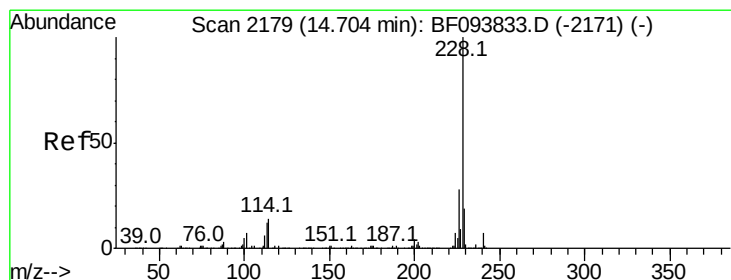
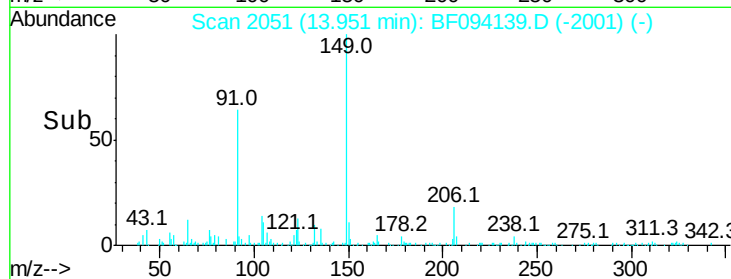
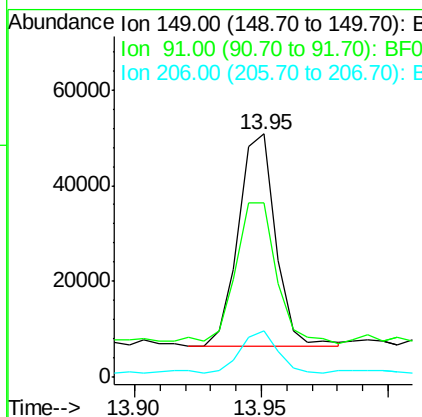
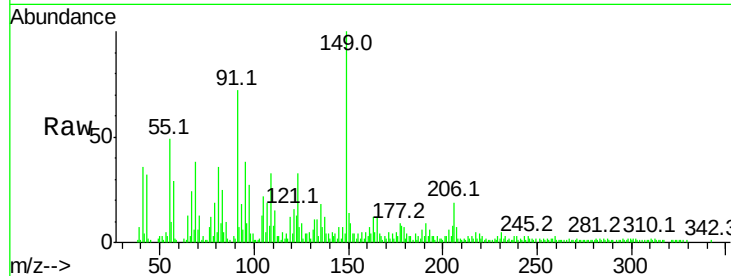
#79
Butylbenzylphthalate
Concen: 5.88 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
91	71.6	45.0	67.4#
206	18.8	17.0	25.6

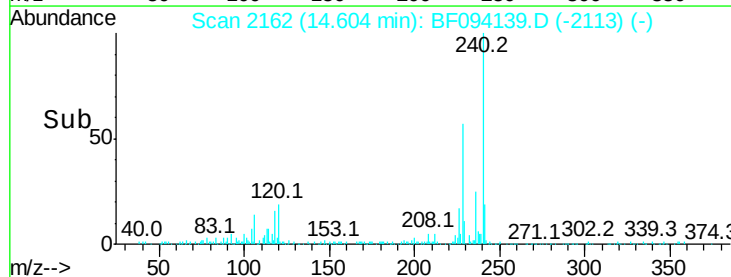
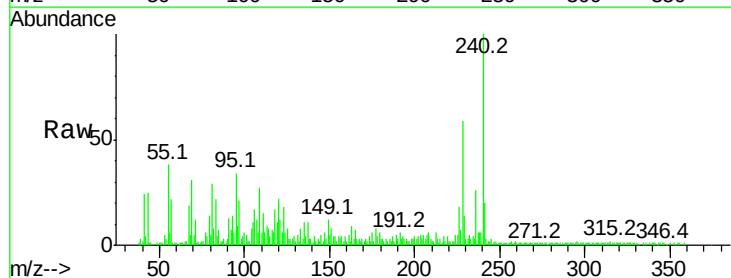
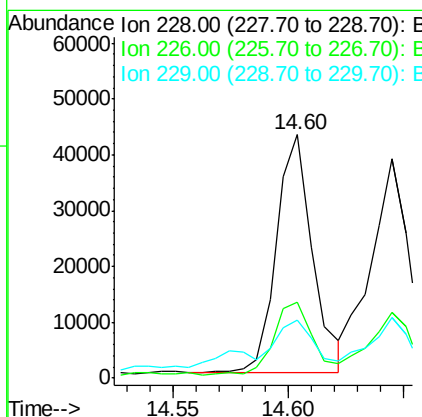
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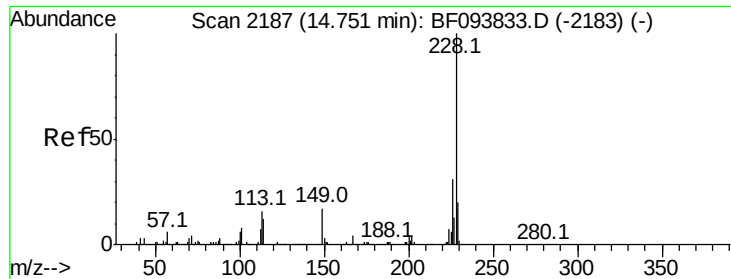
mohammad
4/4/2017 5:34:41 PM



#80
Benzo(a)anthracene
Concen: 3.15 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	23.6	16.3	24.5





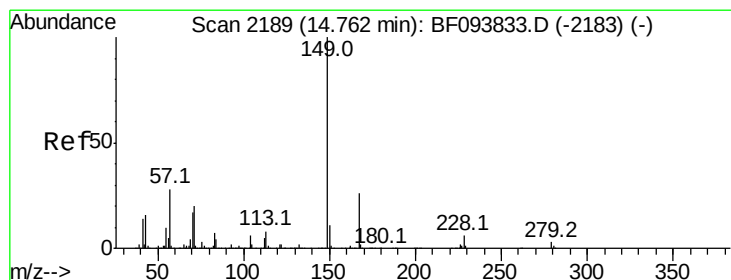
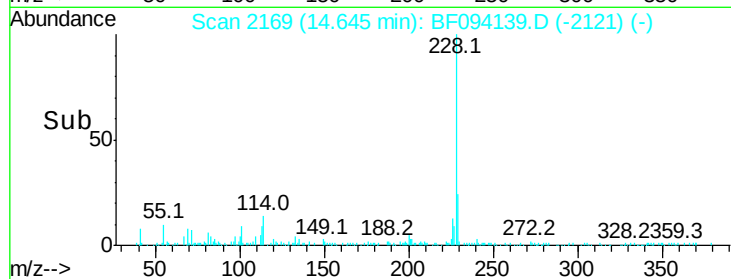
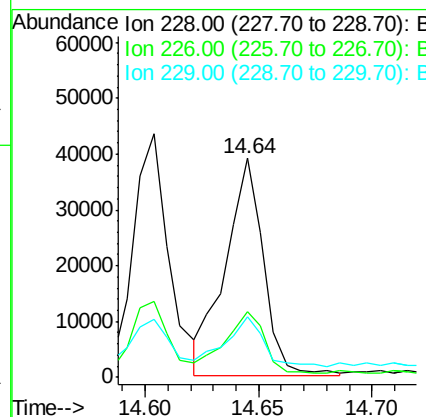
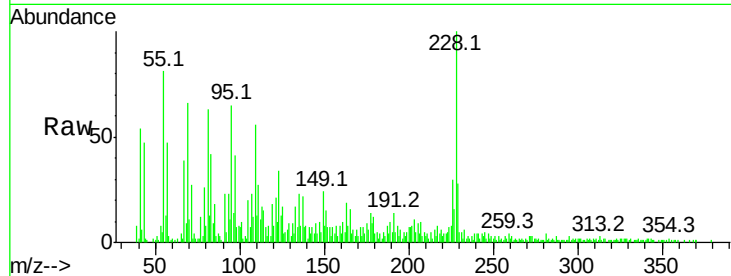
#82
Chrysene
Concen: 3.36 ng/ml
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	27.7	15.8	23.6

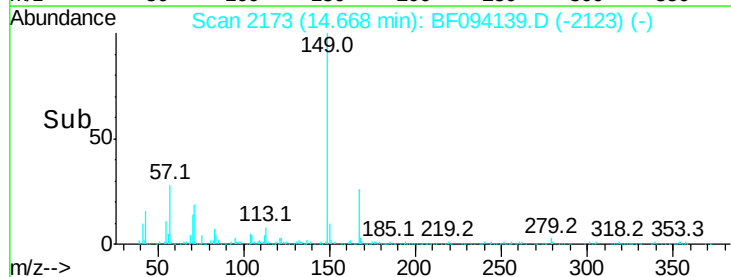
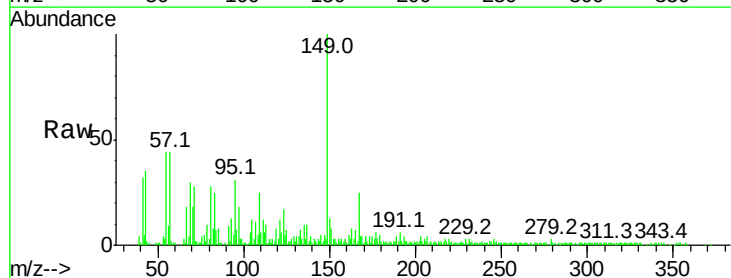
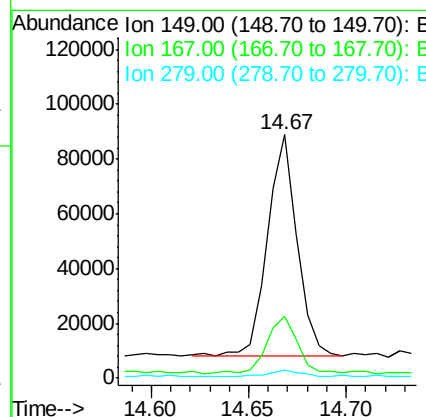
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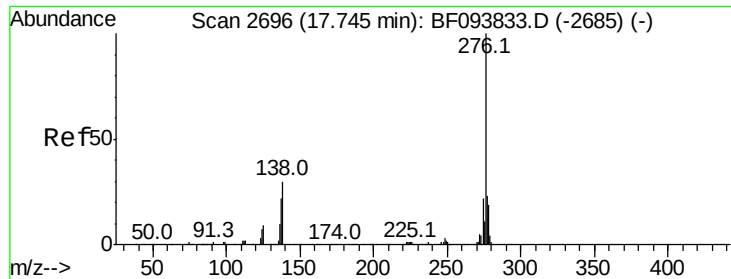
mohammad
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#83
Bis(2-ethylhexyl)phthalate
Concen: 7.94 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.0	31.4
279	3.3	1.9	2.9





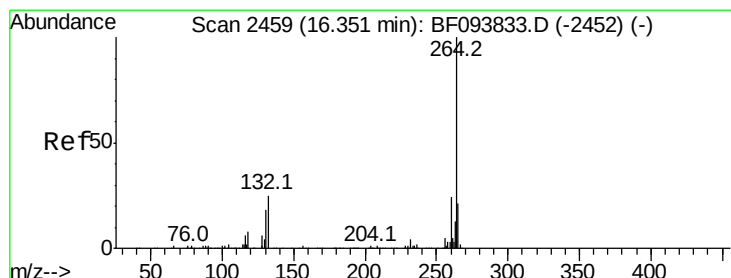
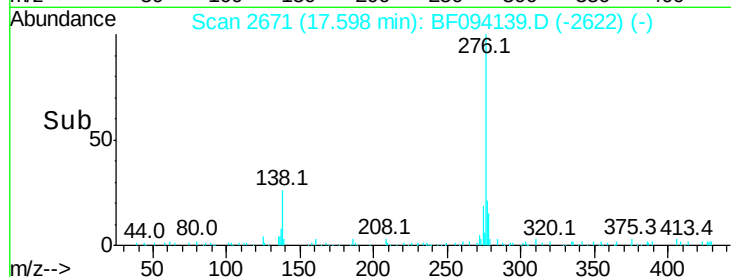
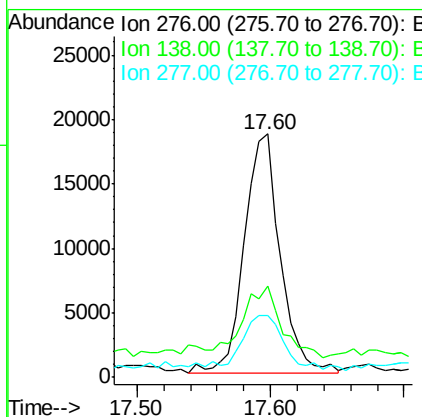
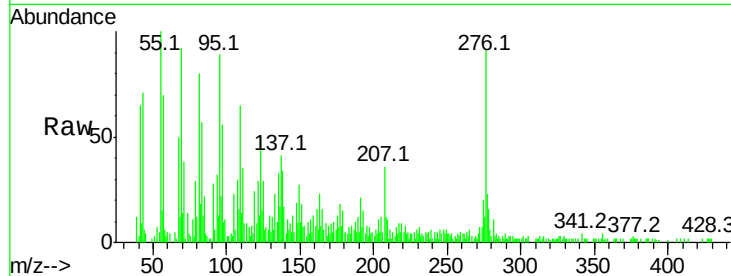
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.91 ng
RT: 17.60 min Scan# 2671
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	27.5	20.2	30.4

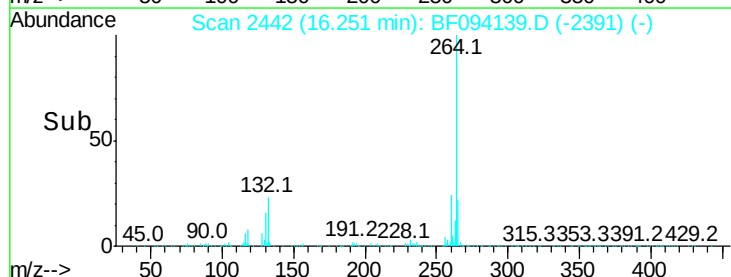
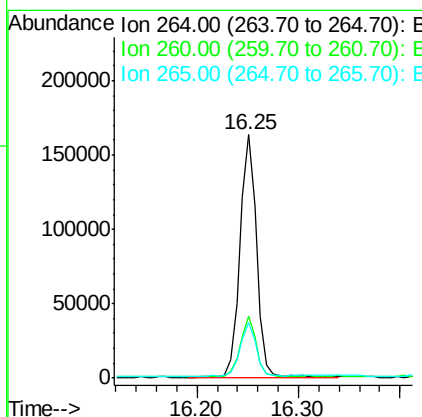
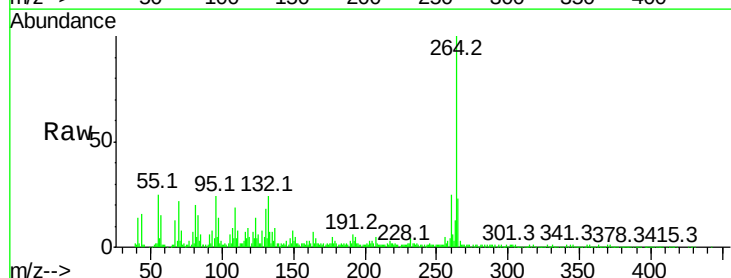
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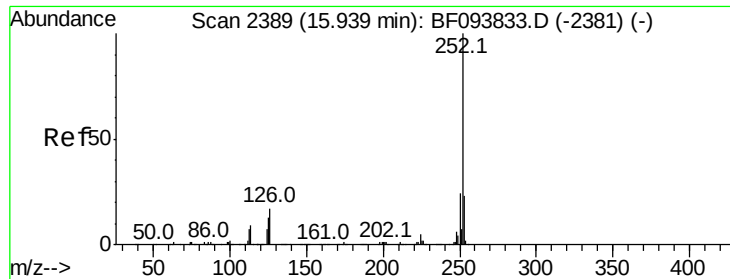
mohammad
4/4/2017 5:34:41 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	22.6	17.2	25.8





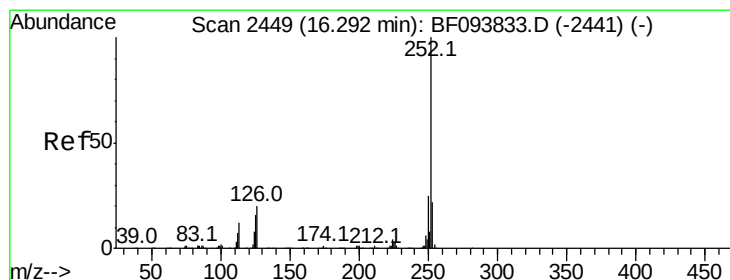
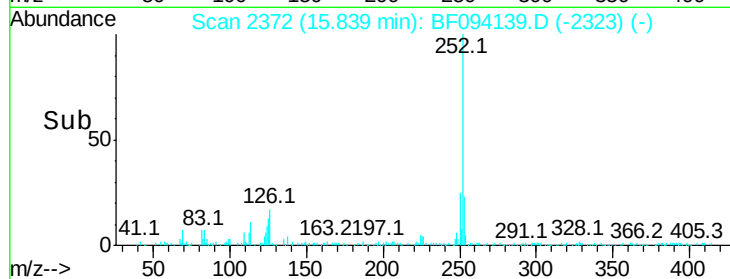
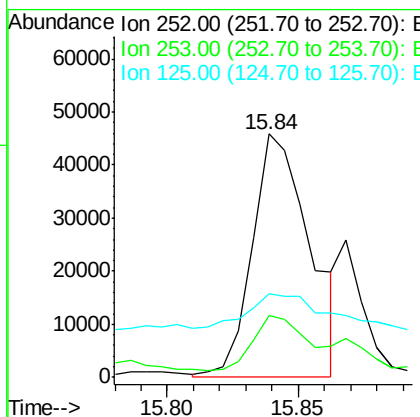
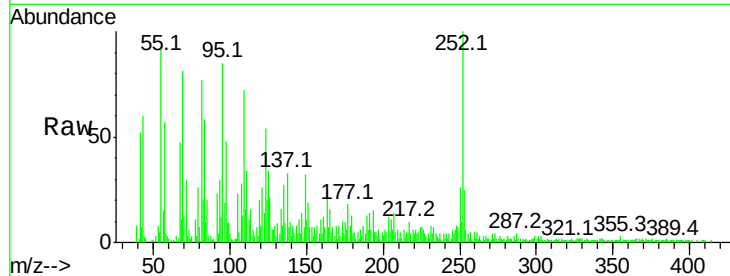
#87
Benzo(b)fluoranthene
Concen: 6.21 ng m
RT: 15.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	34.4	9.8	14.8

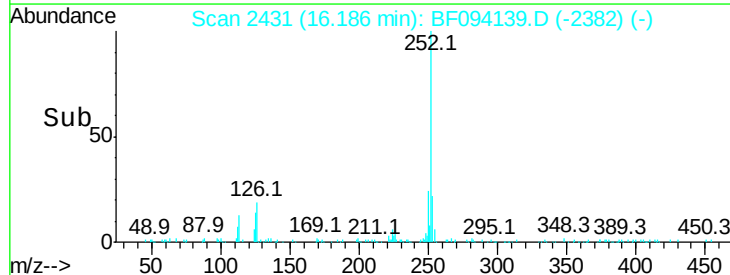
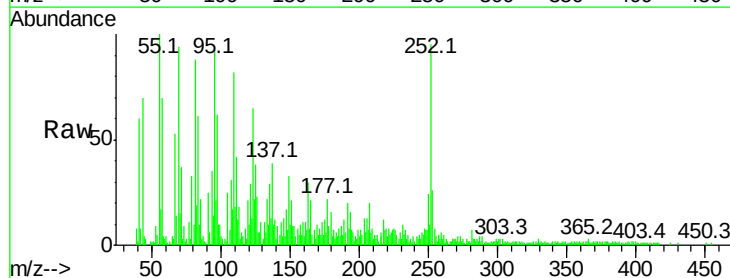
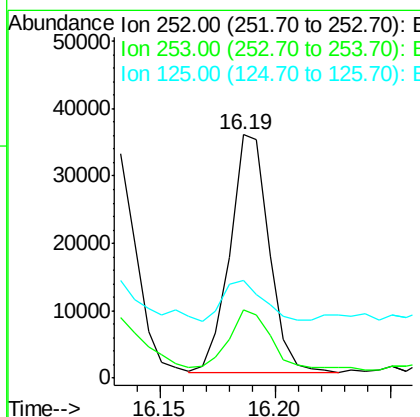
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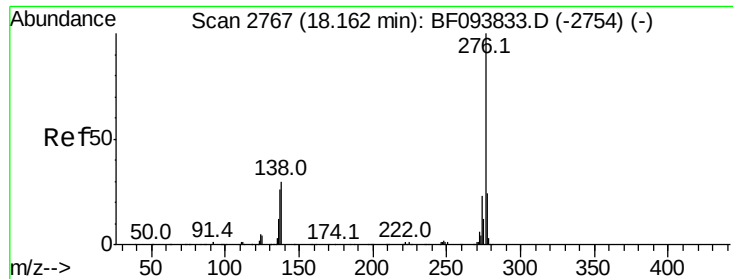
mohammad
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#89
Benzo(a)pyrene
Concen: 3.98 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.5	26.3
125	39.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.03 ng
 RT: 17.99 min Scan# 2738
 Delta R.T. -0.02 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	34.7	25.4	38.0

Manual Integrations
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mohammad
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