

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094135.D
 Acq On : 3 Apr 2017 21:50
 Operator : SJ/MA
 Sample : I2493-10 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Manual Integrations
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Quant Time: Apr 04 02:14:53 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	140497	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	533454	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	220308	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	323744	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	251789	20.00	ng	-0.01
86) Perylene-d12	16.25	264	188240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	288556	34.69	ng	-0.02
7) Phenol-d6	5.49	99	357247	34.72	ng	-0.02
23) Nitrobenzene-d5	6.53	82	174932	18.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	48889	28.08	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	404536	28.01	ng	-0.02
78) Terphenyl-d14	13.33	244	232195	20.67	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	33573	2.14	ng	98
70) Phenanthrene	11.39	178	242305	13.45	ng	98
71) Anthracene	11.45	178	63814	3.44	ng	97
74) Fluoranthene	12.85	202	431085	23.38	ng	100
77) Pyrene	13.13	202	395883	21.66	ng	97
79) Butylbenzylphthalate	13.95	149	55931	7.18	ng	# 84
80) Benzo(a)anthracene	14.60	228	191554	13.05	ng	97
82) Chrysene	14.64	228	183629m	13.48	ng	
83) Bis(2-ethylhexyl)phthalate	14.67	149	109180	10.28	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.59	276	88047	7.46	ng	94
87) Benzo(b)fluoranthene	15.84	252	228866m	19.84	ng	
88) Benzo(k)fluoranthene	15.87	252	63246m	5.60	ng	
89) Benzo(a)pyrene	16.19	252	138989	13.08	ng	# 92
90) Dibenzo(a,h)anthracene	17.61	278	22861	2.54	ng	# 79
91) Benzo(a,h,i)perylene	17.99	276	102434	11.30	ng	98

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

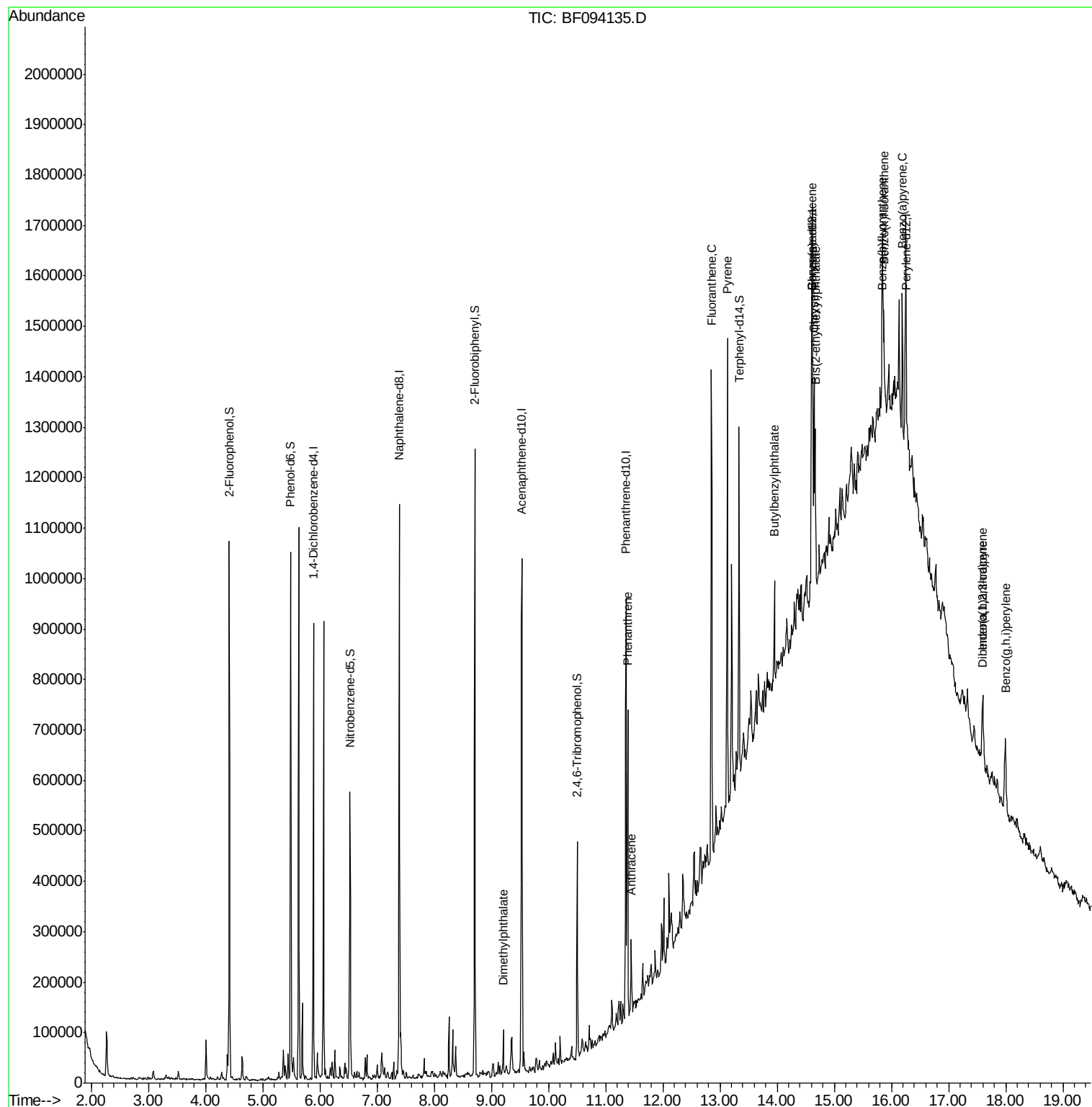
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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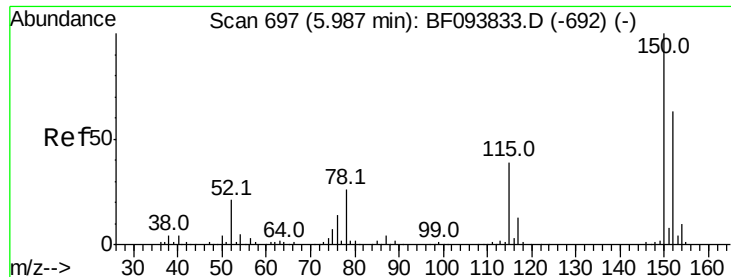
Instrument :
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#1

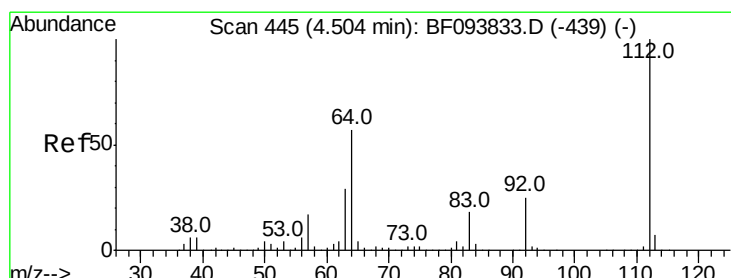
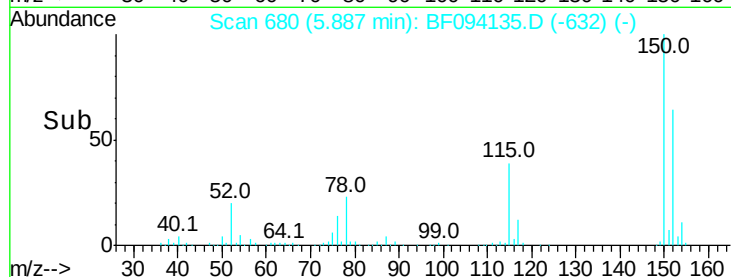
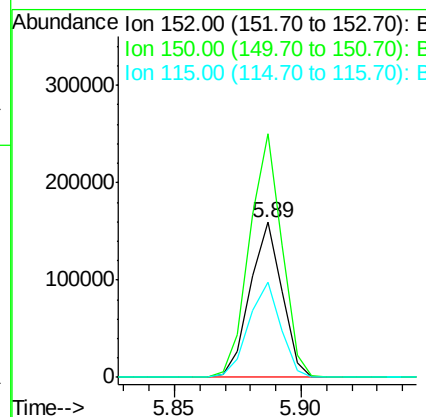
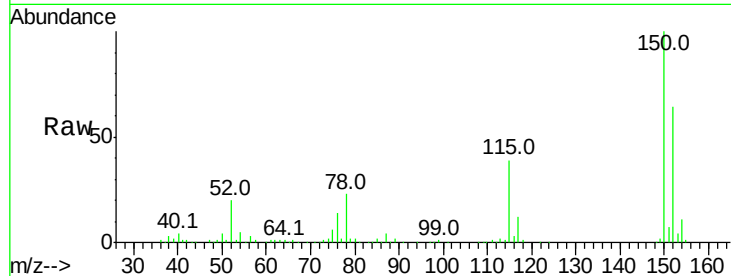
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	61.4	52.2	78.2

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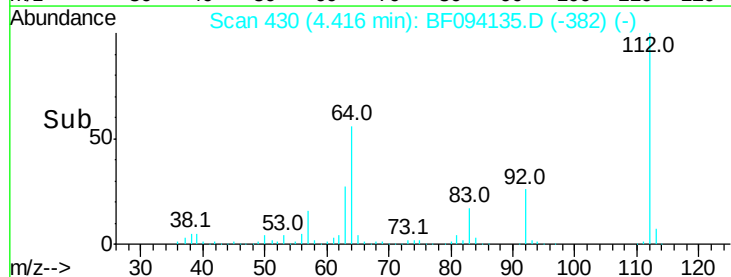
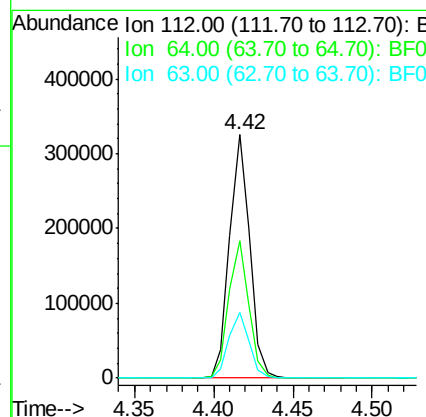
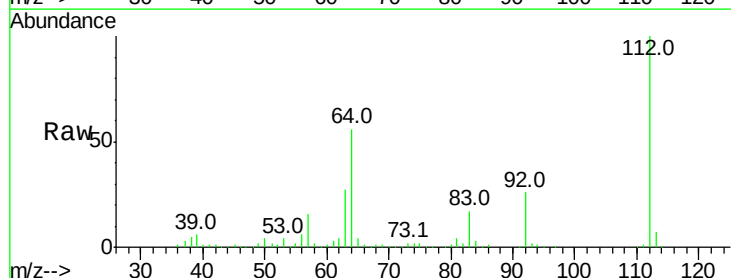
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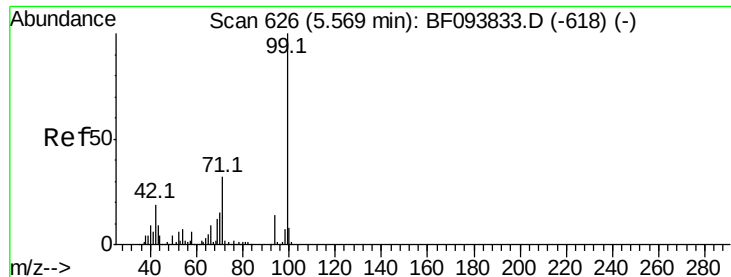


#5

2-Fluorophenol
Concen: 34.69 ng
RT: 4.42 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.0	69.0
63	26.9	23.4	35.0





#7

Phenol-d6

Concen: 34.72 ng

RT: 5.49 min Scan# 612

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

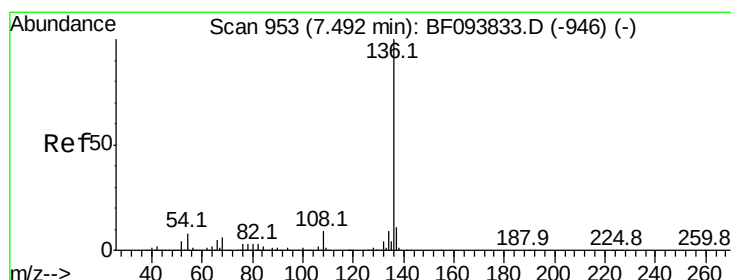
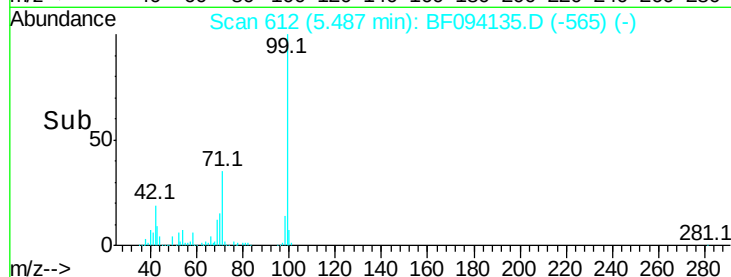
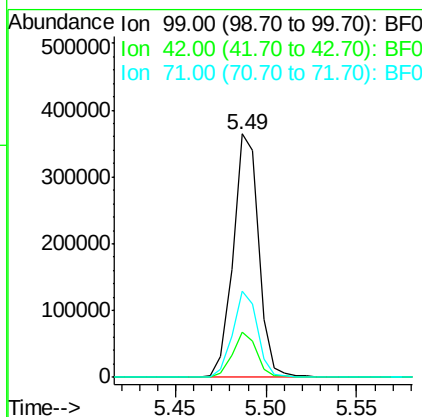
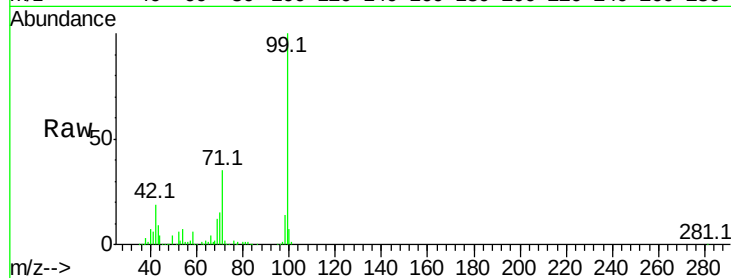
ClientSampleId :

LSS-SP08-COMP

Tot Ion:	99	Resp:	357247
Ion Ratio	Lower	Upper	
99	100		
42	18.7	13.5	20.3
71	35.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

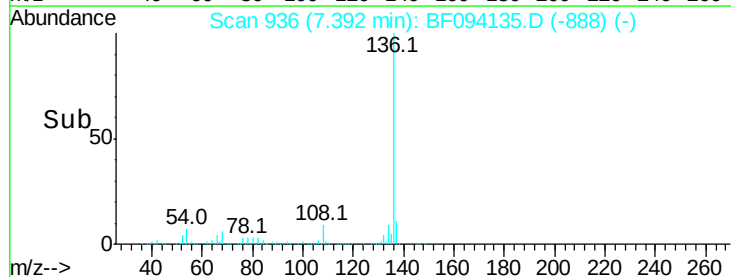
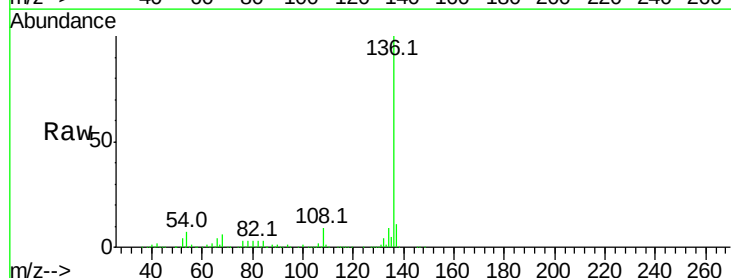
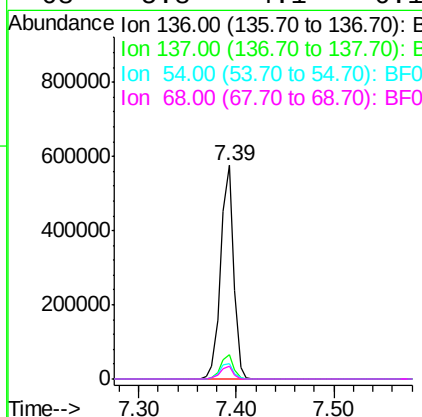
RT: 7.39 min Scan# 936

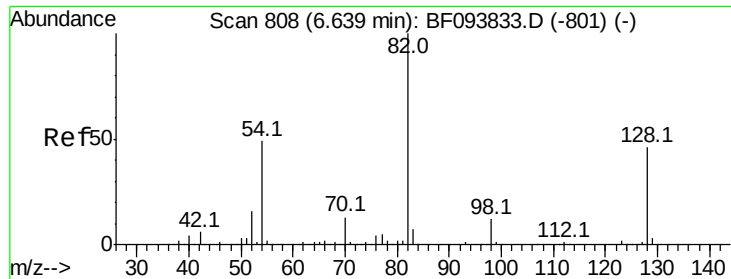
Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Tgt Ion:	136	Resp:	533454
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	7.1	4.9	7.3
68	5.8	4.1	6.1





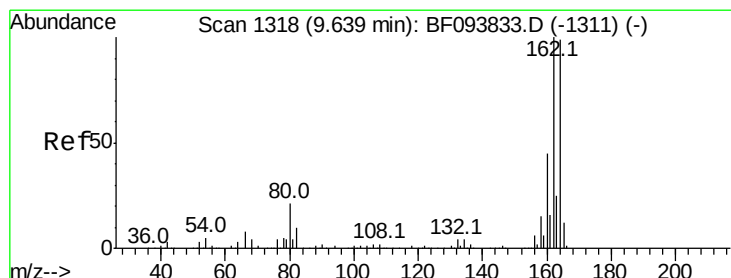
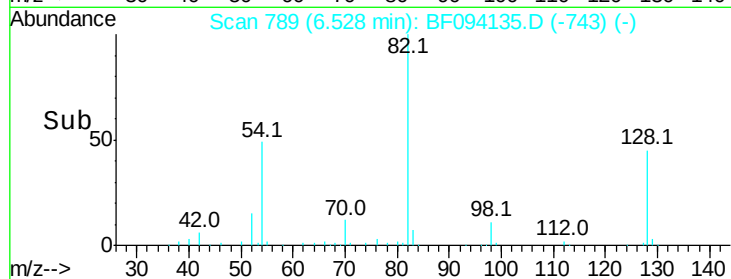
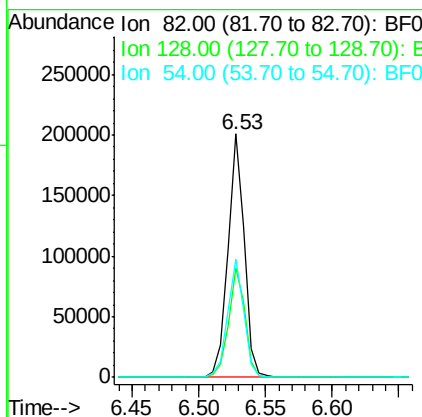
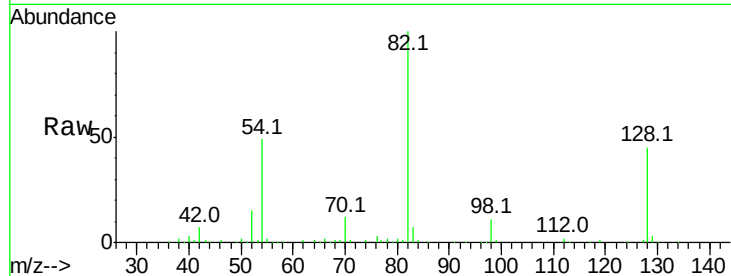
#23
 Nitrobenzene-d5
 Concen: 18.71 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.0	51.0
54	48.8	42.2	63.2

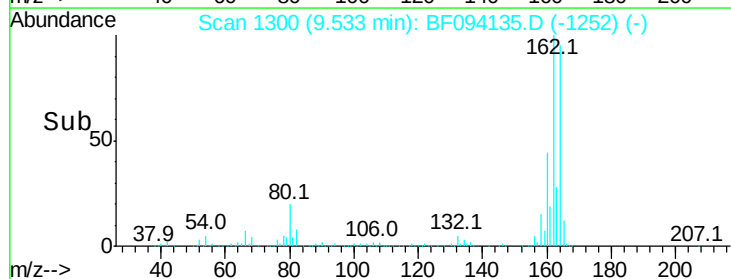
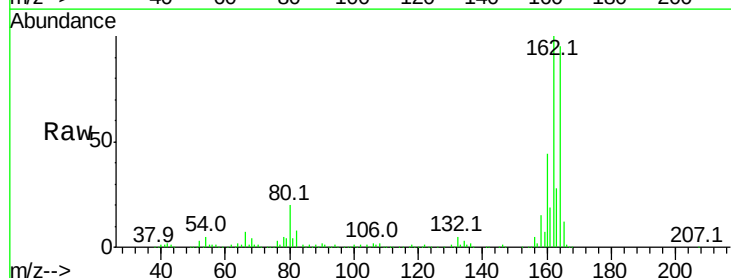
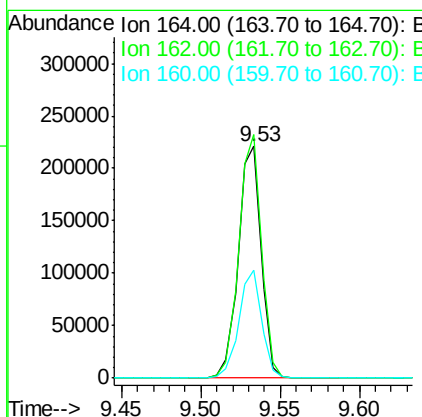
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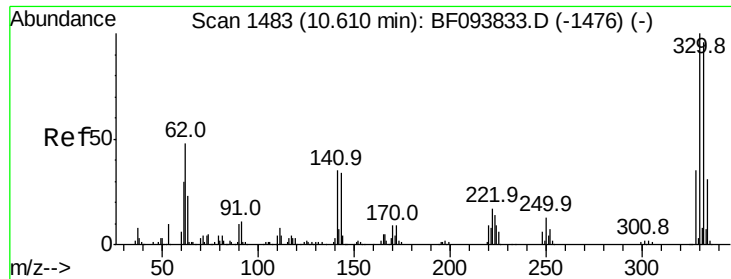
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	46.5	36.2	54.2





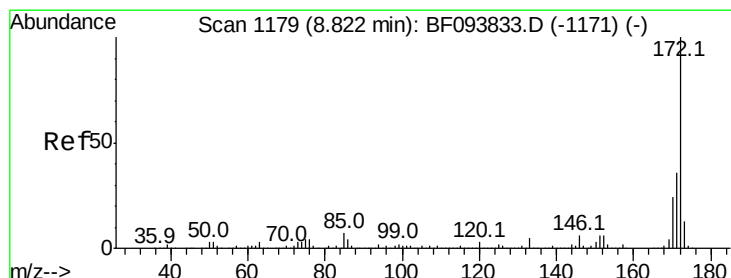
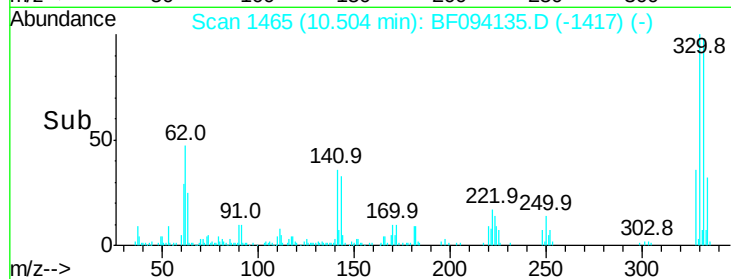
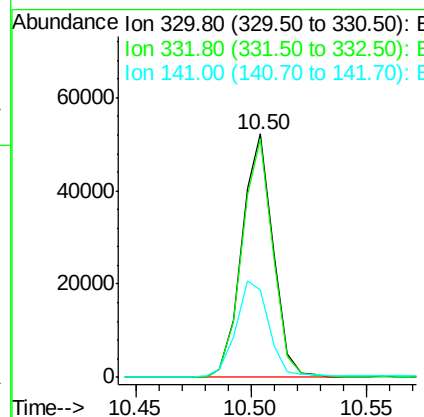
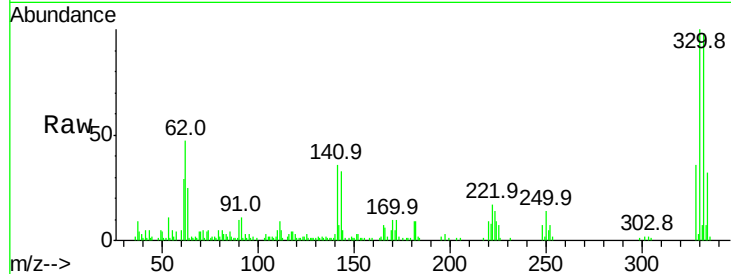
#41
 2,4,6-Tribromophenol
 Concen: 28.08 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	48889		
332	97.6	76.6	115.0	
141	43.2	31.4	47.2	

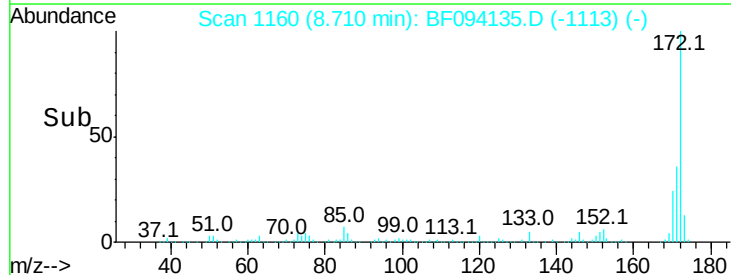
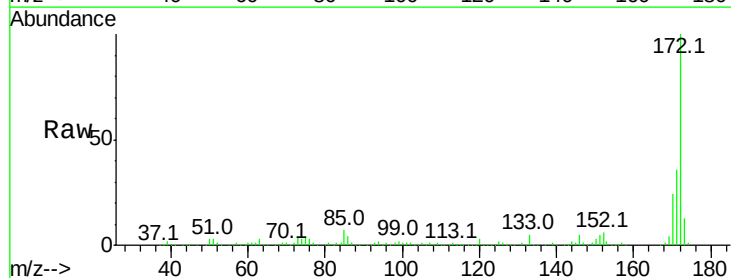
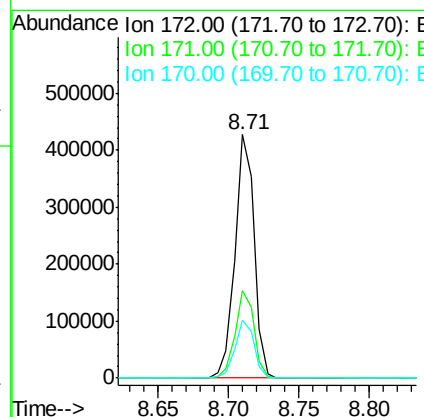
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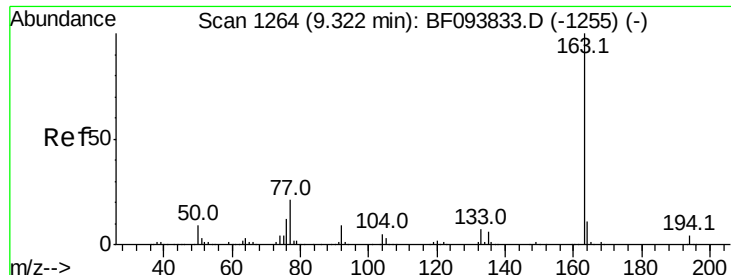
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#44
 2-Fluorobiphenyl
 Concen: 28.01 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	404536		
171	36.0	29.6	44.4	
170	24.1	19.8	29.8	





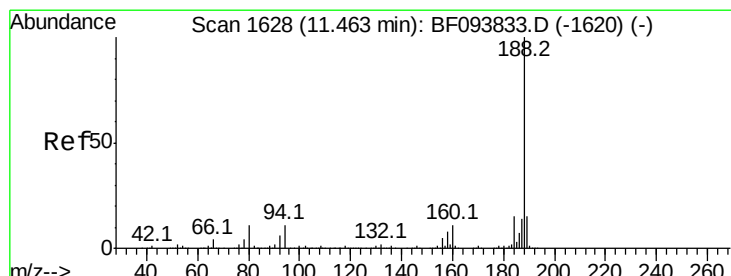
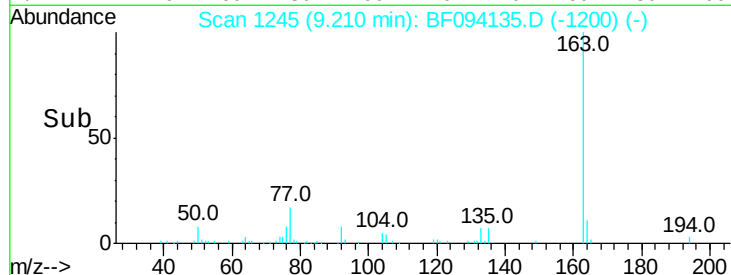
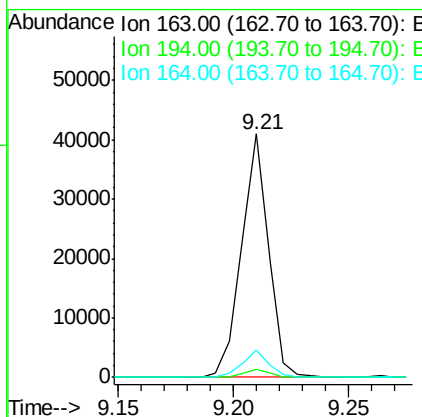
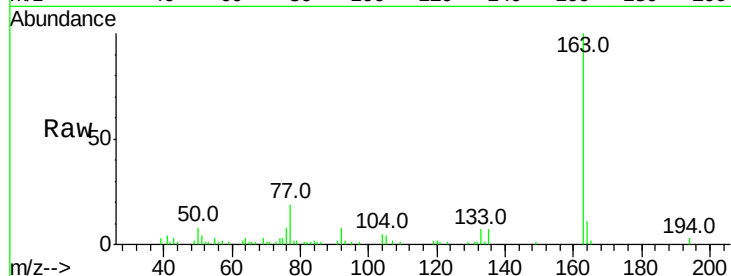
#49
Dimethylphthalate
Concen: 2.14 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	11.5	8.4	12.6

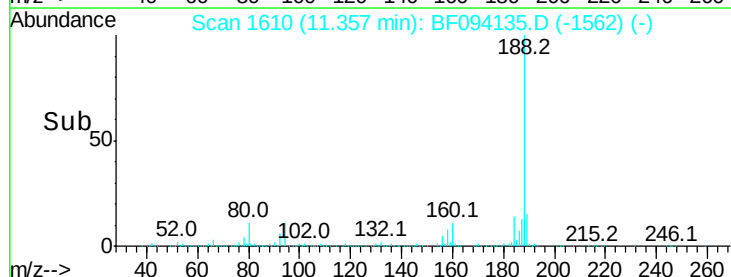
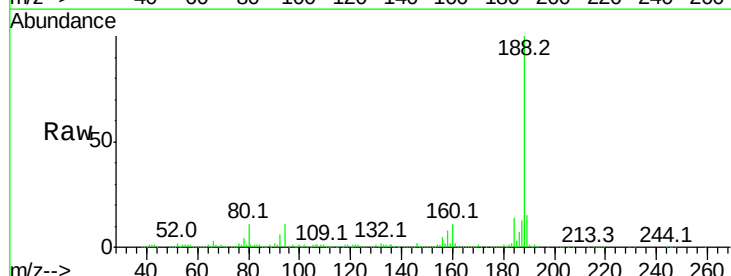
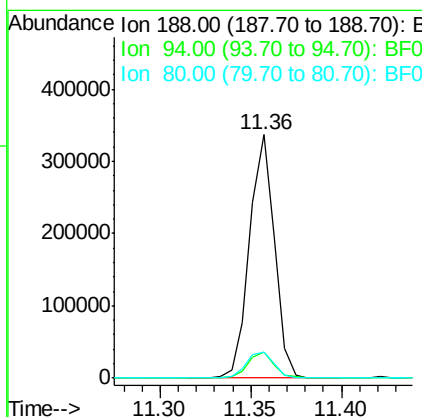
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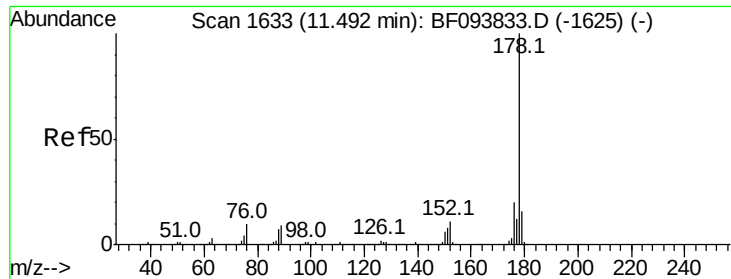
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.8	10.2	15.2





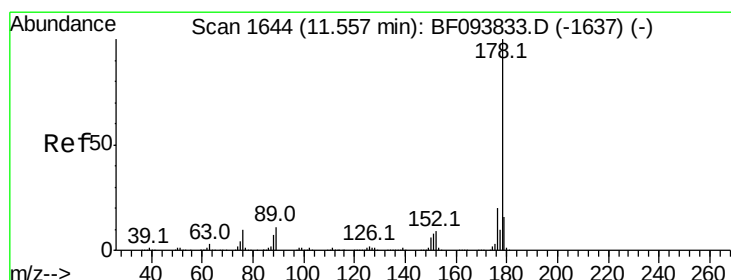
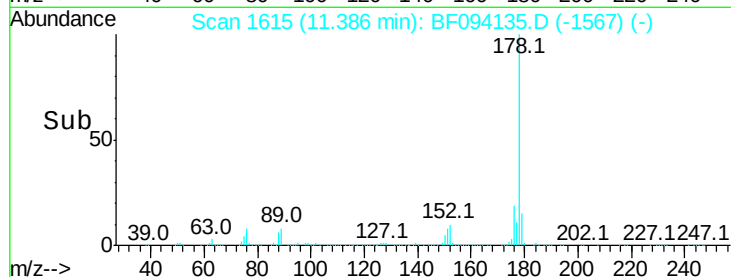
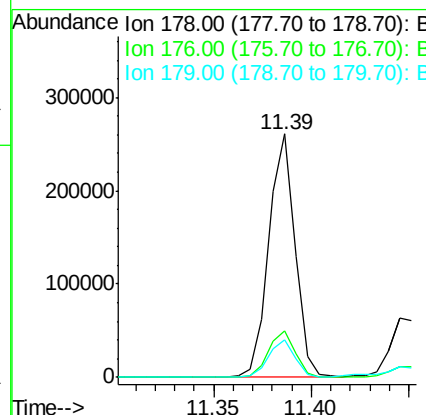
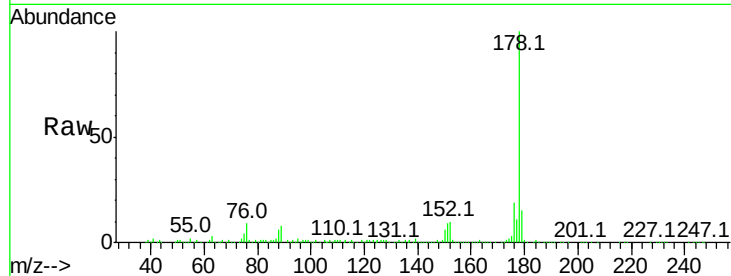
#70
Phenanthrene
Concen: 13.45 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

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

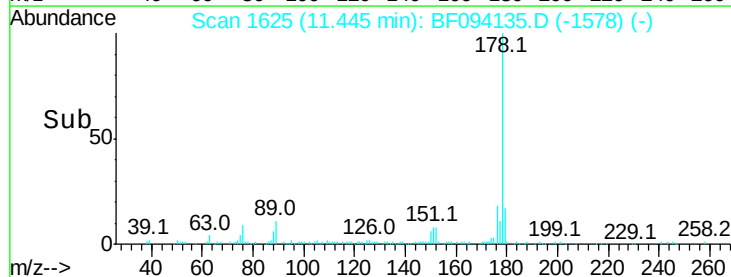
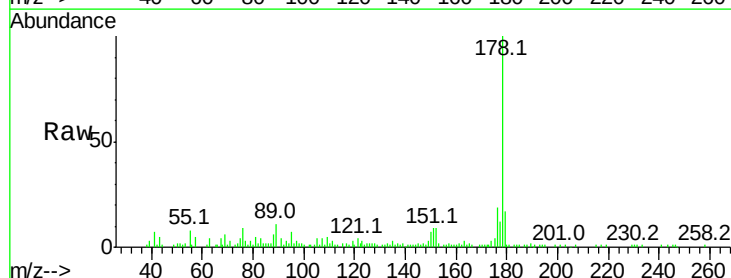
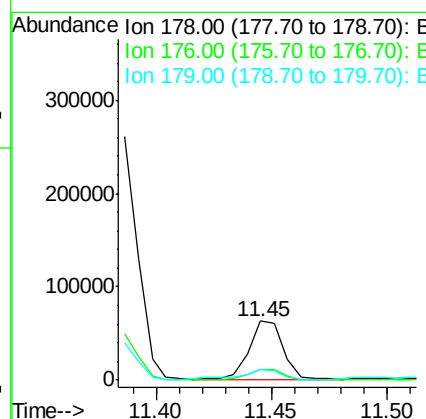
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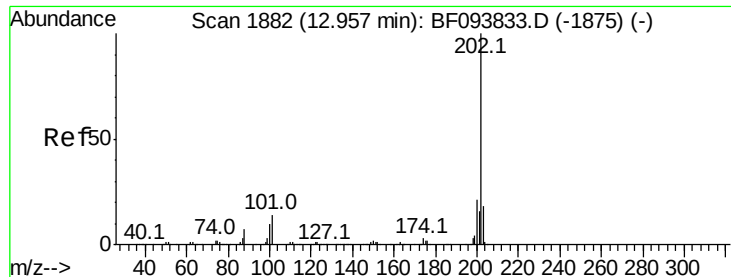
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#71
Anthracene
Concen: 3.44 ng
RT: 11.45 min Scan# 1625
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	17.0	12.7	19.1





#74

Fluoranthene

Concen: 23.38 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

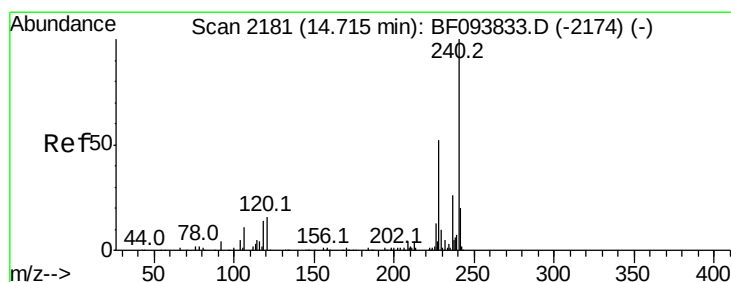
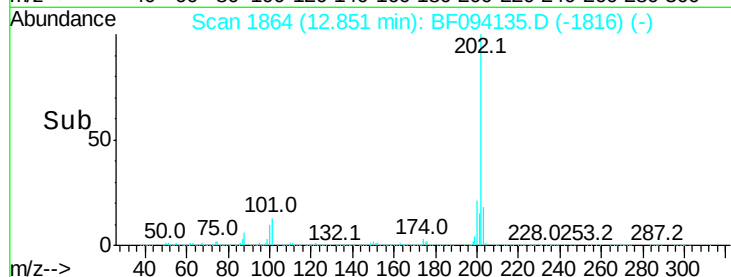
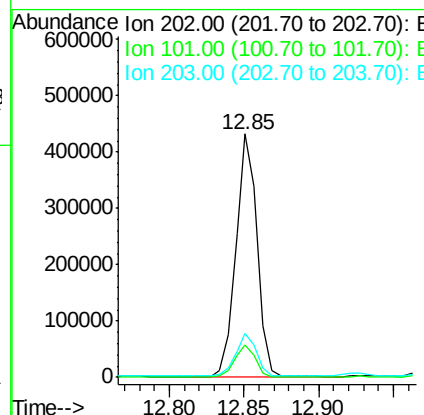
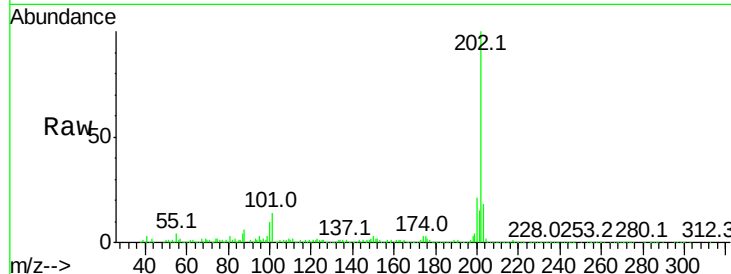
ClientSampleId :

LSS-SP08-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.5	0.0	33.2	
203	18.2	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

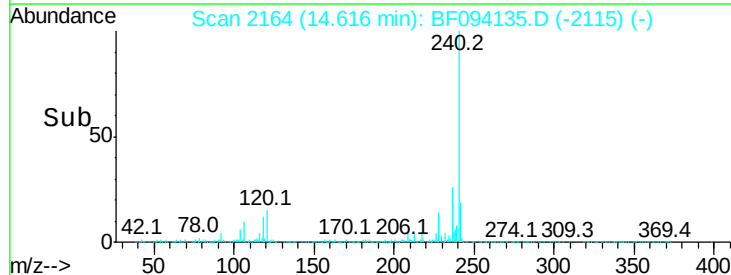
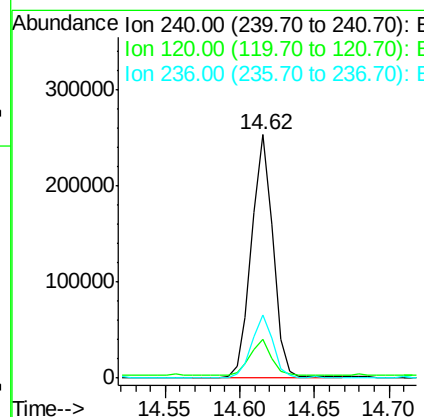
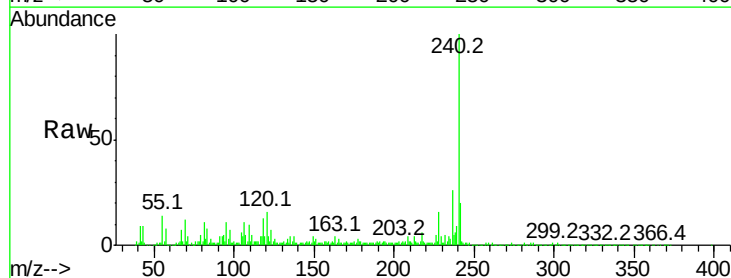
RT: 14.62 min Scan# 2164

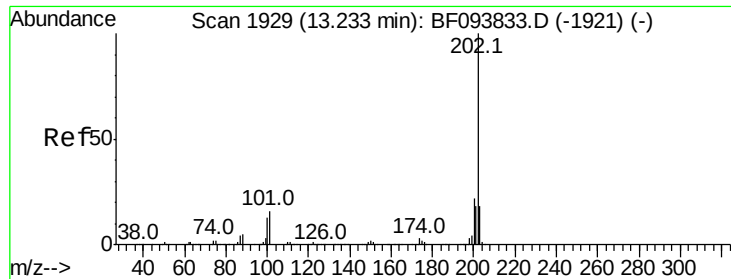
Delta R.T. -0.01 min

Lab File: BF094135.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.9	5.8	8.8#	
236	26.0	20.5	30.7	





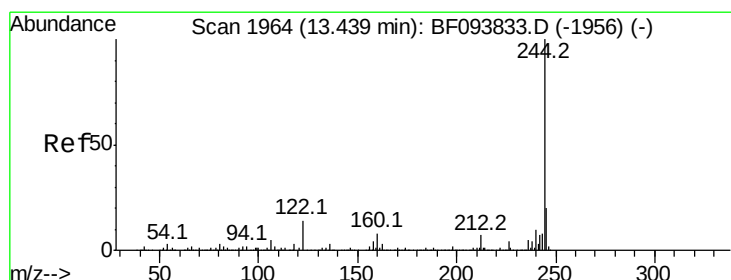
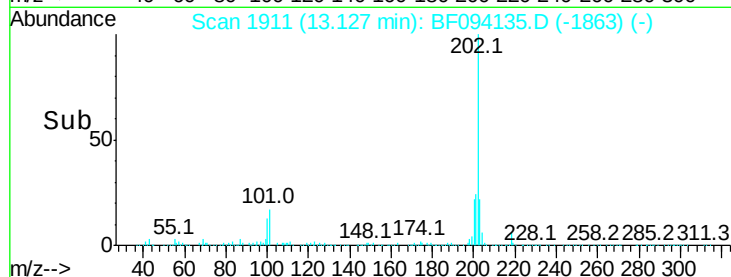
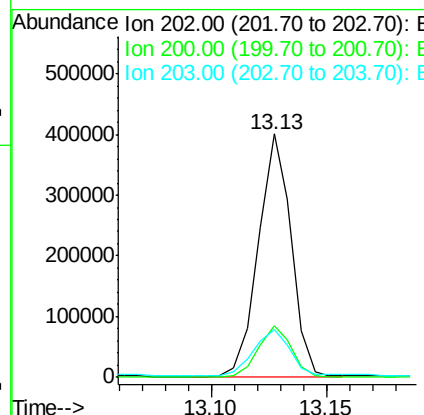
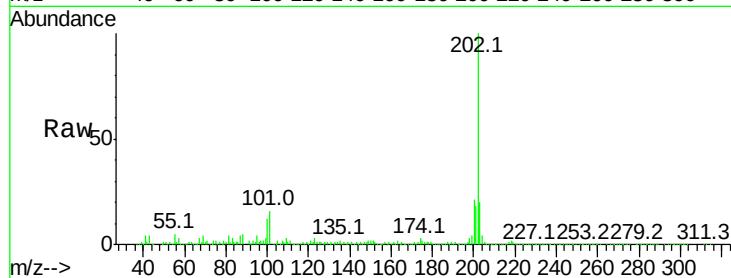
#77
Pvrene
Concen: 21.66 ng
RT: 13.13 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	19.7	14.4	21.6	

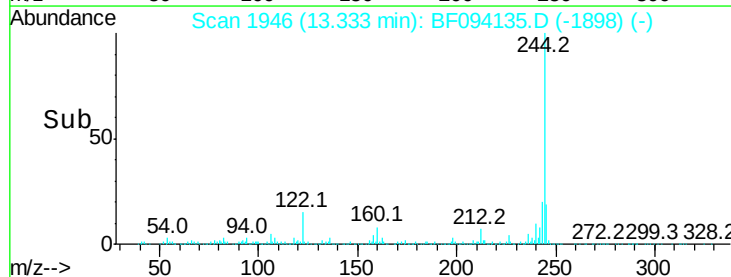
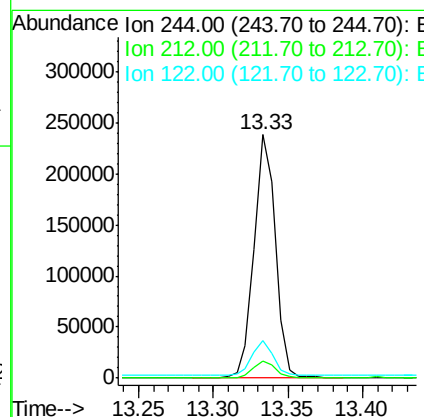
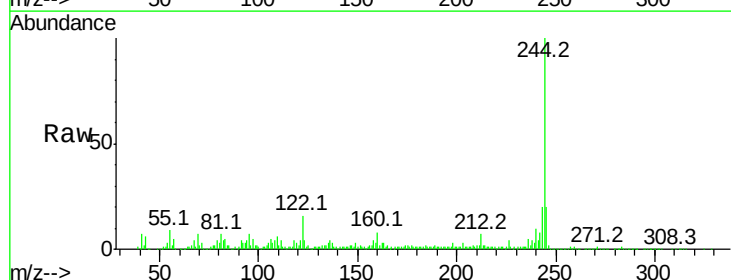
Manual Integrations
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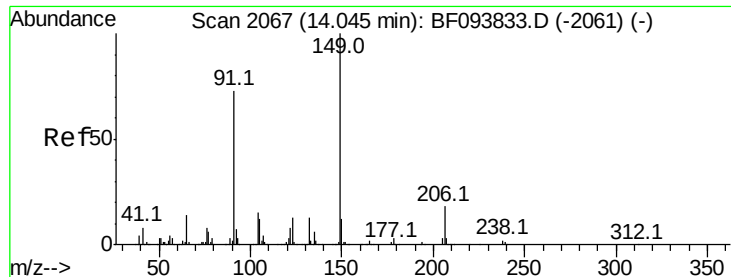
mohammad
4/4/2017 5:34:25 PM



#78
Terphenyl-d14
Concen: 20.67 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	6.0	9.0	
122	15.7	10.3	15.5	





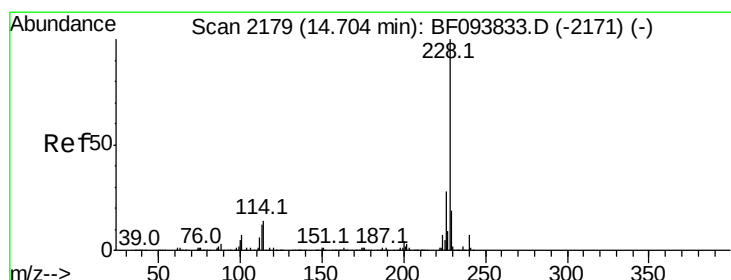
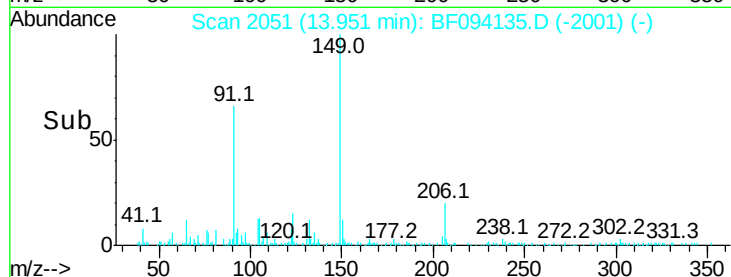
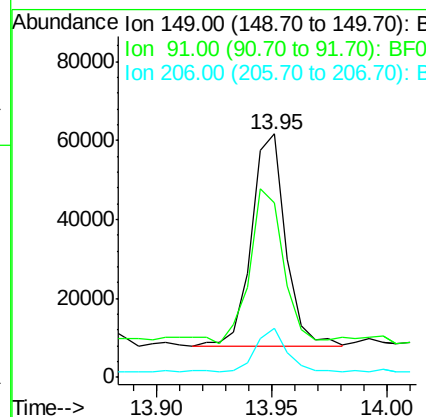
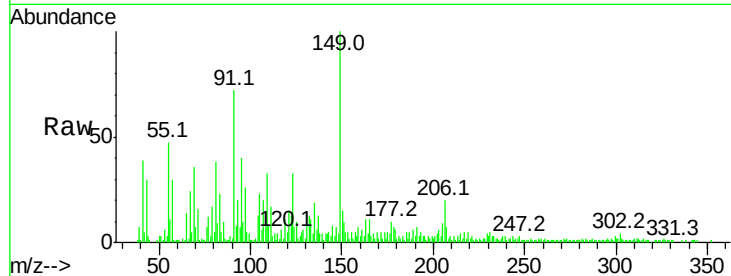
#79
Butylbenzylphthalate
Concen: 7.18 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
91	71.9	45.0	67.4#
206	19.9	17.0	25.6

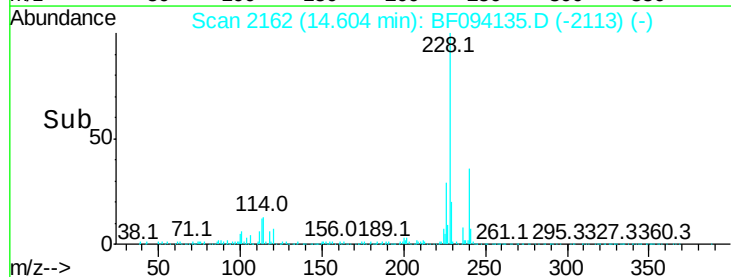
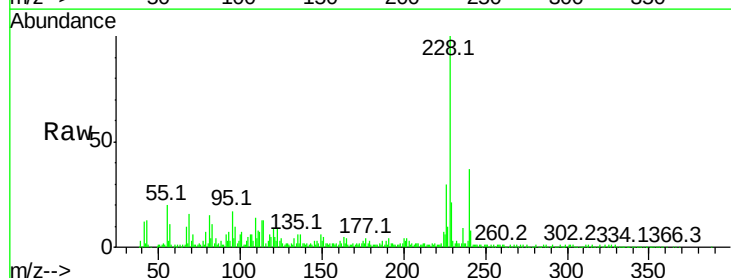
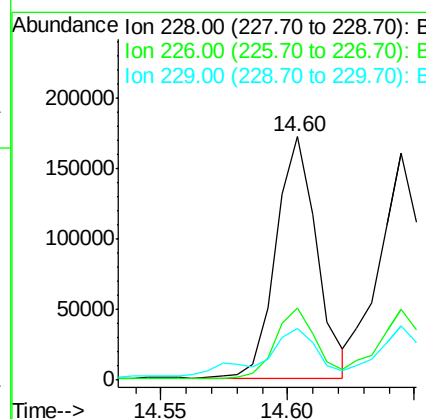
Manual Integrations
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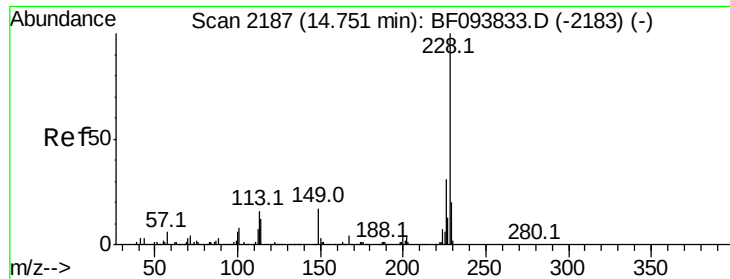
mohammad
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#80
Benzo(a)anthracene
Concen: 13.05 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	21.2	16.3	24.5





#82

Chrysene

Concen: 13.48 ng/mL

RT: 14.64 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Instrument :

BNA_F

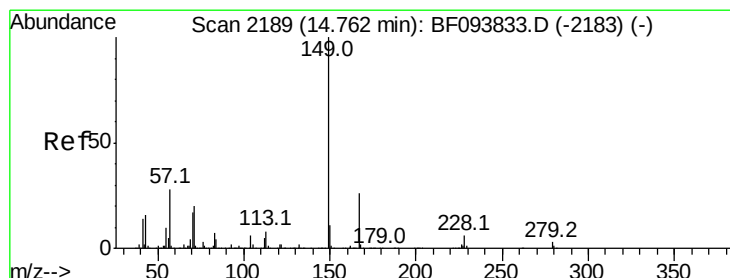
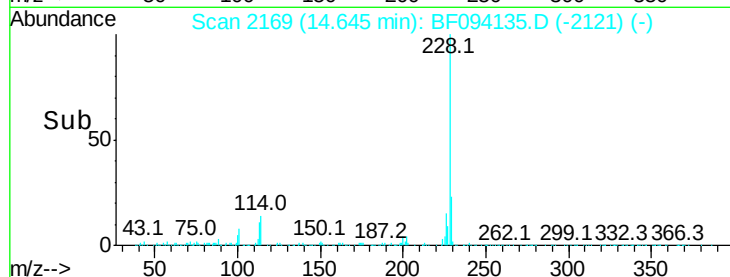
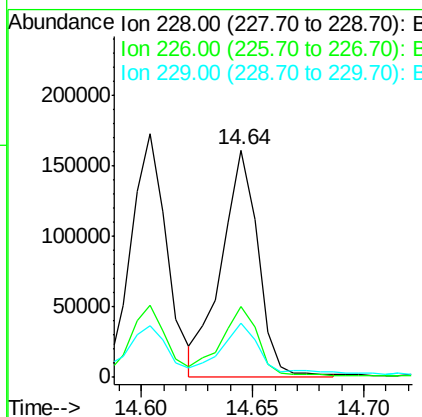
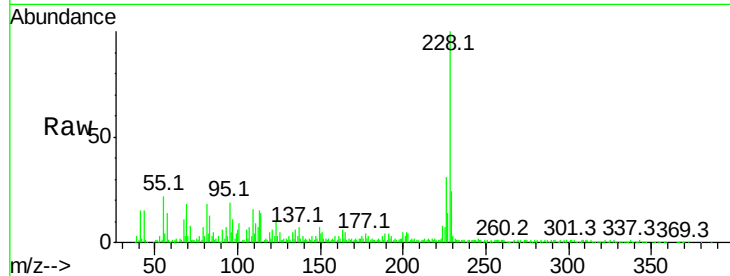
ClientSampleId :

LSS-SP08-COMP

Tot Ion:	228	Resp:	183629
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	23.8	15.8	23.6

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 10.28 ng/mL

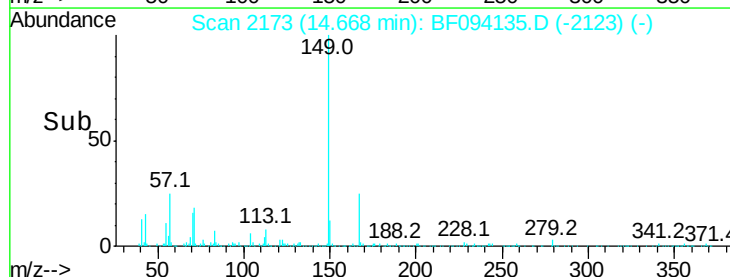
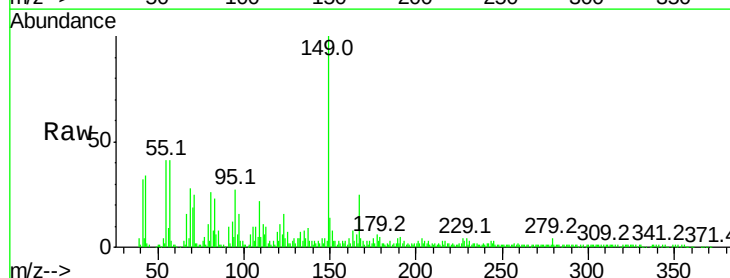
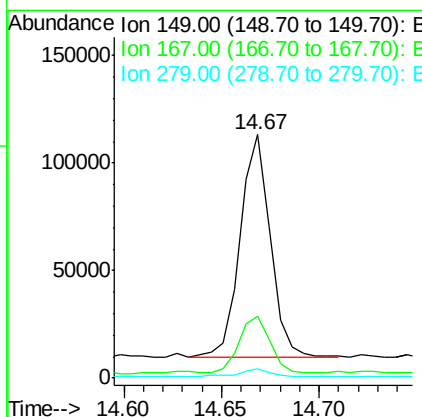
RT: 14.67 min Scan# 2173

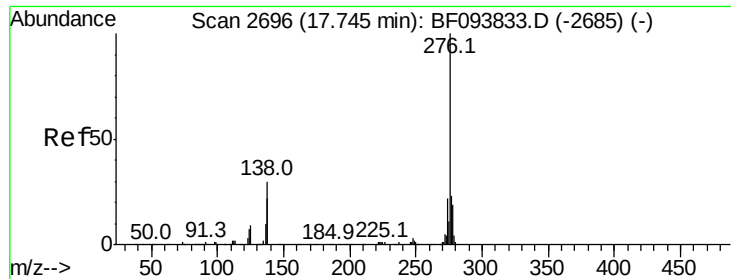
Delta R.T. -0.01 min

Lab File: BF094135.D

Acq: 3 Apr 2017 21:50

Tgt Ion:	149	Resp:	109180
Ion Ratio	Lower	Upper	
149	100		
167	25.2	21.0	31.4
279	3.6	1.9	2.9





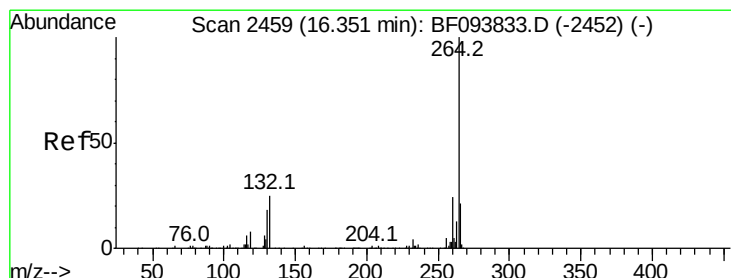
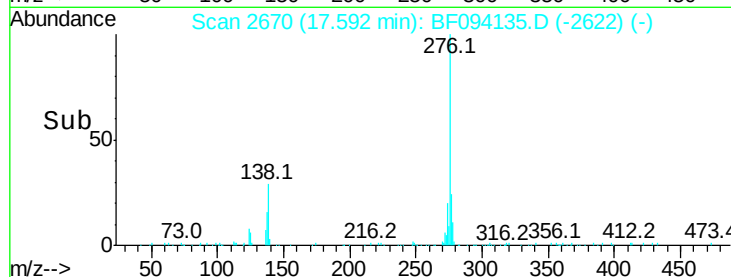
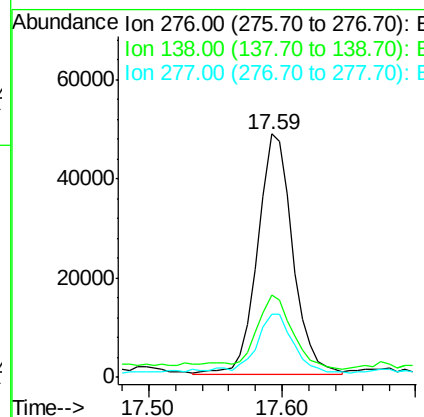
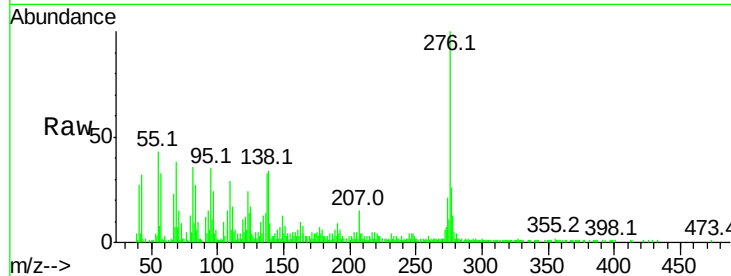
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.46 ng
 RT: 17.59 min Scan# 2670
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	27.9	20.2	30.4

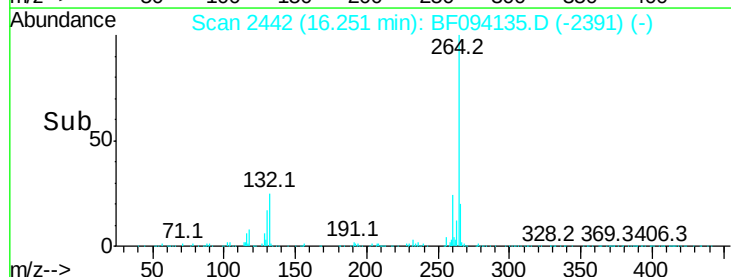
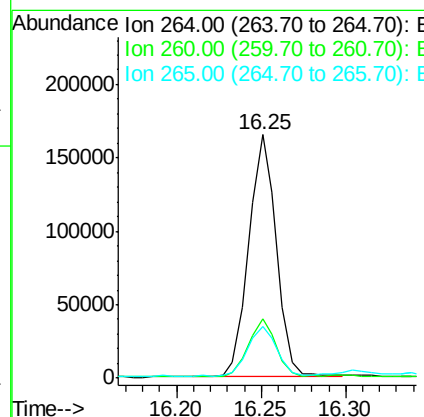
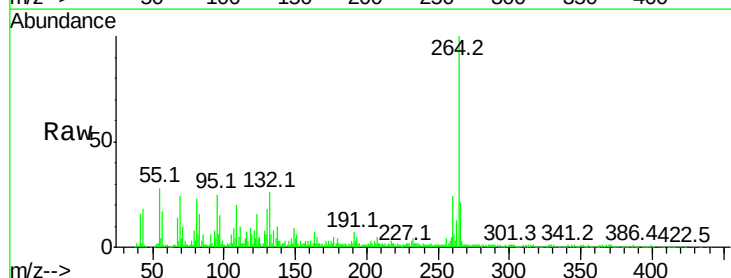
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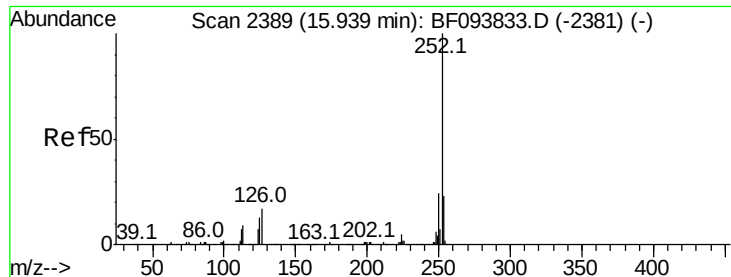
mohammad
 4/4/2017 5:34:25 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.25 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.3	17.2	25.8





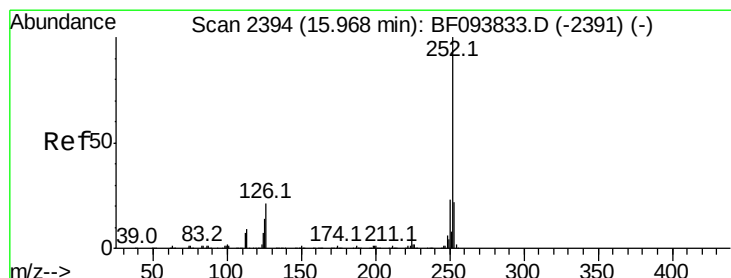
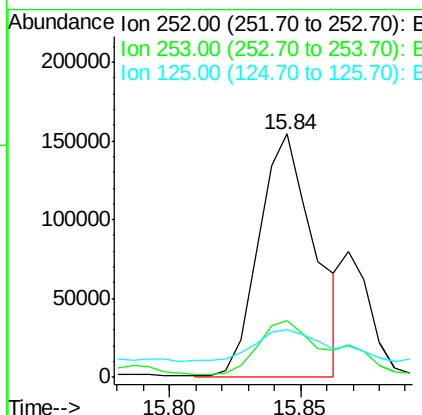
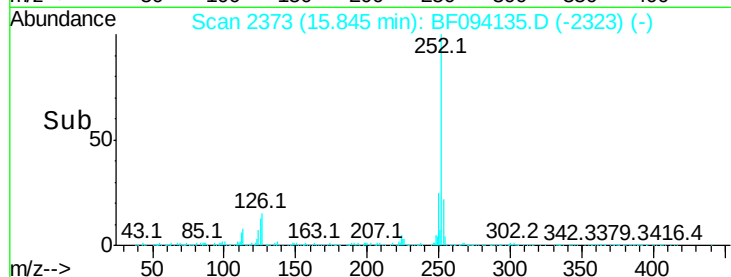
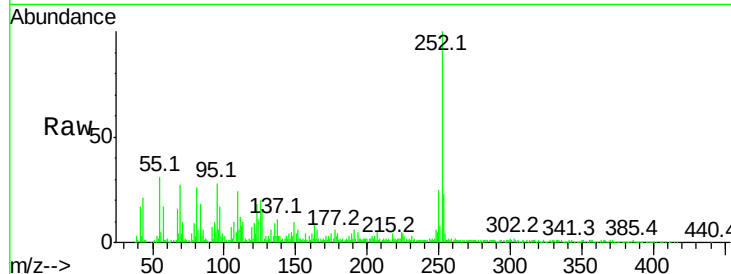
#87
Benzo(b)fluoranthene
Concen: 19.84 ng m
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	19.8	9.8	14.8

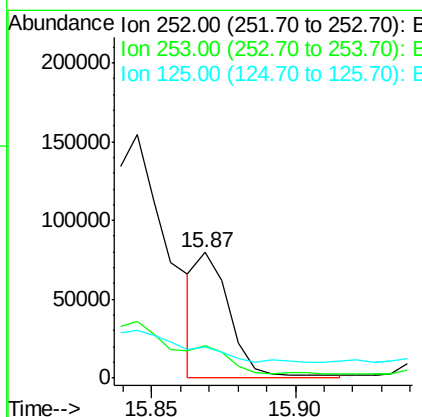
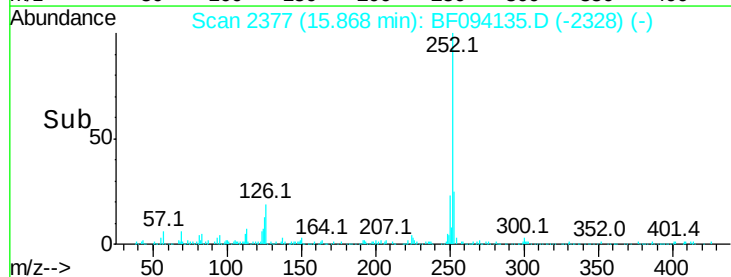
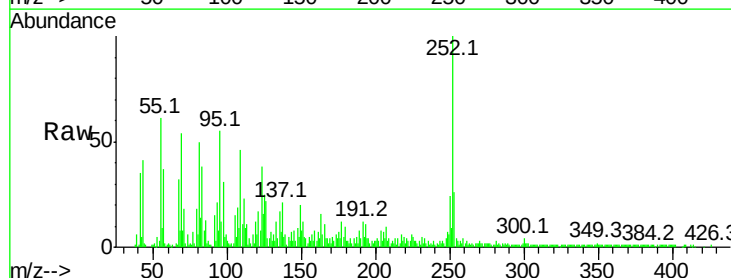
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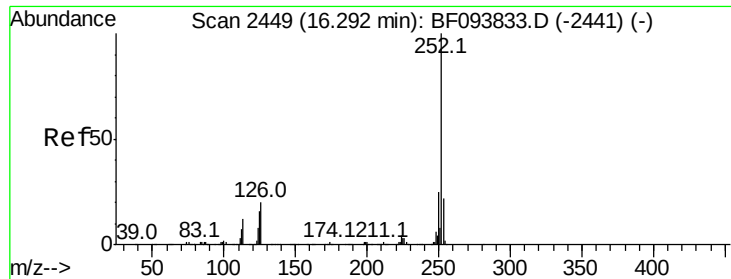
mohammad
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#88
Benzo(k)fluoranthene
Concen: 5.60 ng m
RT: 15.87 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.4	27.6
125	25.0	13.1	19.7





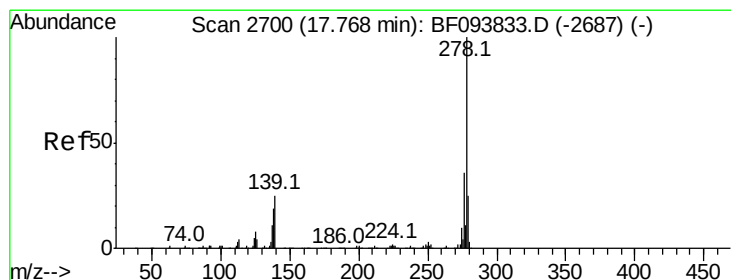
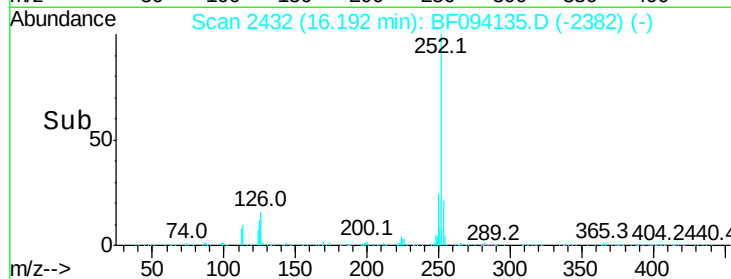
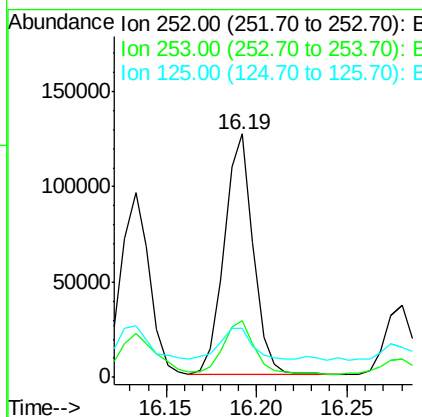
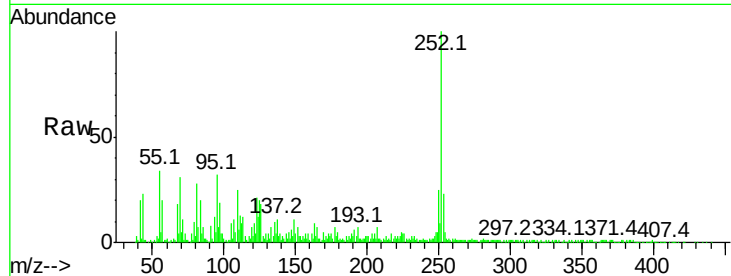
#89
Benzo(a)pyrene
Concen: 13.08 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Instrument :
BNA_F
ClientSampleId :
LSS-SP08-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	20.0	11.0	16.4

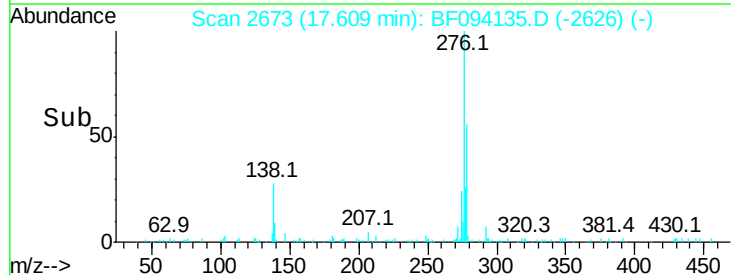
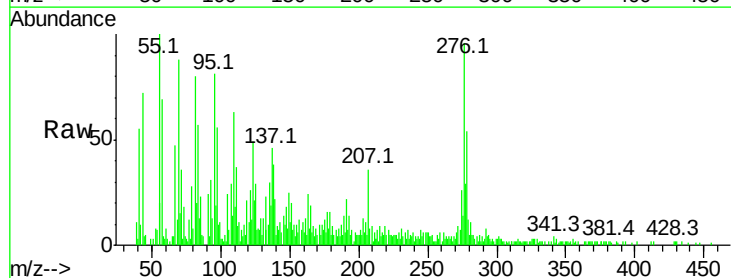
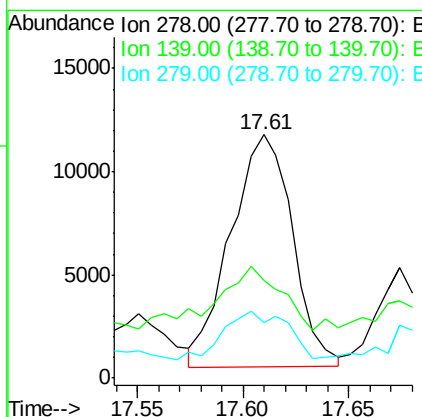
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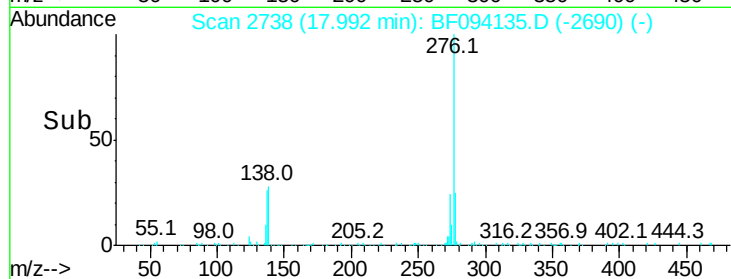
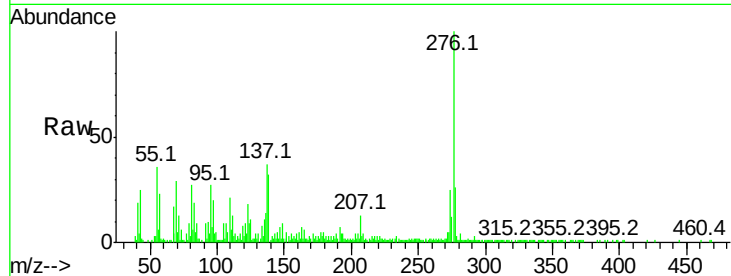
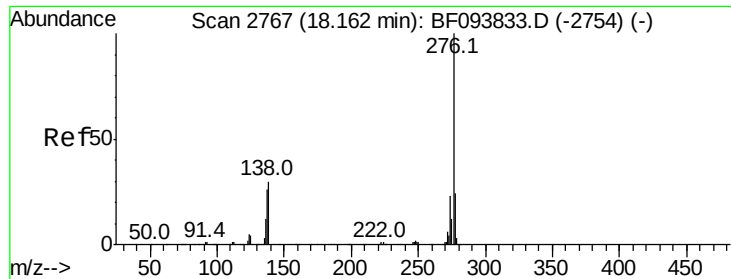
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.54 ng
RT: 17.61 min Scan# 2673
Delta R.T. -0.02 min
Lab File: BF094135.D
Acq: 3 Apr 2017 21:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.2	16.6	24.8
279	22.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 11.30 ng
 RT: 17.99 min Scan# 2738
 Delta R.T. -0.02 min
 Lab File: BF094135.D
 Acq: 3 Apr 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP08-COMP

Tot Ion:	276	Resp:	102434
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.6	28.0
138	31.9	25.4	38.0

Manual Integrations
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