

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093277.D
 Acq On : 1 Mar 2017 6:53
 Operator : SJ/MA
 Sample : I1972-19 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Manual Integrations
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Quant Time: Mar 01 07:29:08 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	140446	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	524660	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	219285	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	358186	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	277708	20.00	ng	-0.05
86) Perylene-d12	15.41	264	183500	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	303791	37.11	ng	-0.03
7) Phenol-d6	6.46	99	403794	38.34	ng	-0.02
23) Nitrobenzene-d5	7.38	82	222851	23.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	49461	31.19	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	368085	30.41	ng	-0.05
78) Terphenyl-d14	12.91	244	267797	22.66	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.36	77	41738	5.53	ng	# 86
31) Naphthalene	8.12	128	75230	2.83	ng	98
37) 2-Methylnaphthalene	8.81	142	99417	5.82	ng	98
70) Phenanthrene	11.36	178	168404	8.21	ng	99
71) Anthracene	11.41	178	67846	3.29	ng	99
74) Fluoranthene	12.54	202	249855	11.80	ng	99
77) Pyrene	12.77	202	272154	13.10	ng	99
79) Butylbenzylphthalate	13.39	149	20425	2.42	ng	99
80) Benzo(a)anthracene	13.96	228	161817	9.53	ng	95
82) Chrysene	14.01	228	115571m	7.27	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	69445	6.02	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.81	276	67824	5.51	ng	96
87) Benzo(b)fluoranthene	15.00	252	174034m	14.41	ng	
88) Benzo(k)fluoranthene	15.01	252	57599m	5.52	ng	
89) Benzo(a)pyrene	15.35	252	92896	8.89	ng	# 88
91) Benzo(g,h,i)perylene	17.23	276	77167	9.05	ng	# 88

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

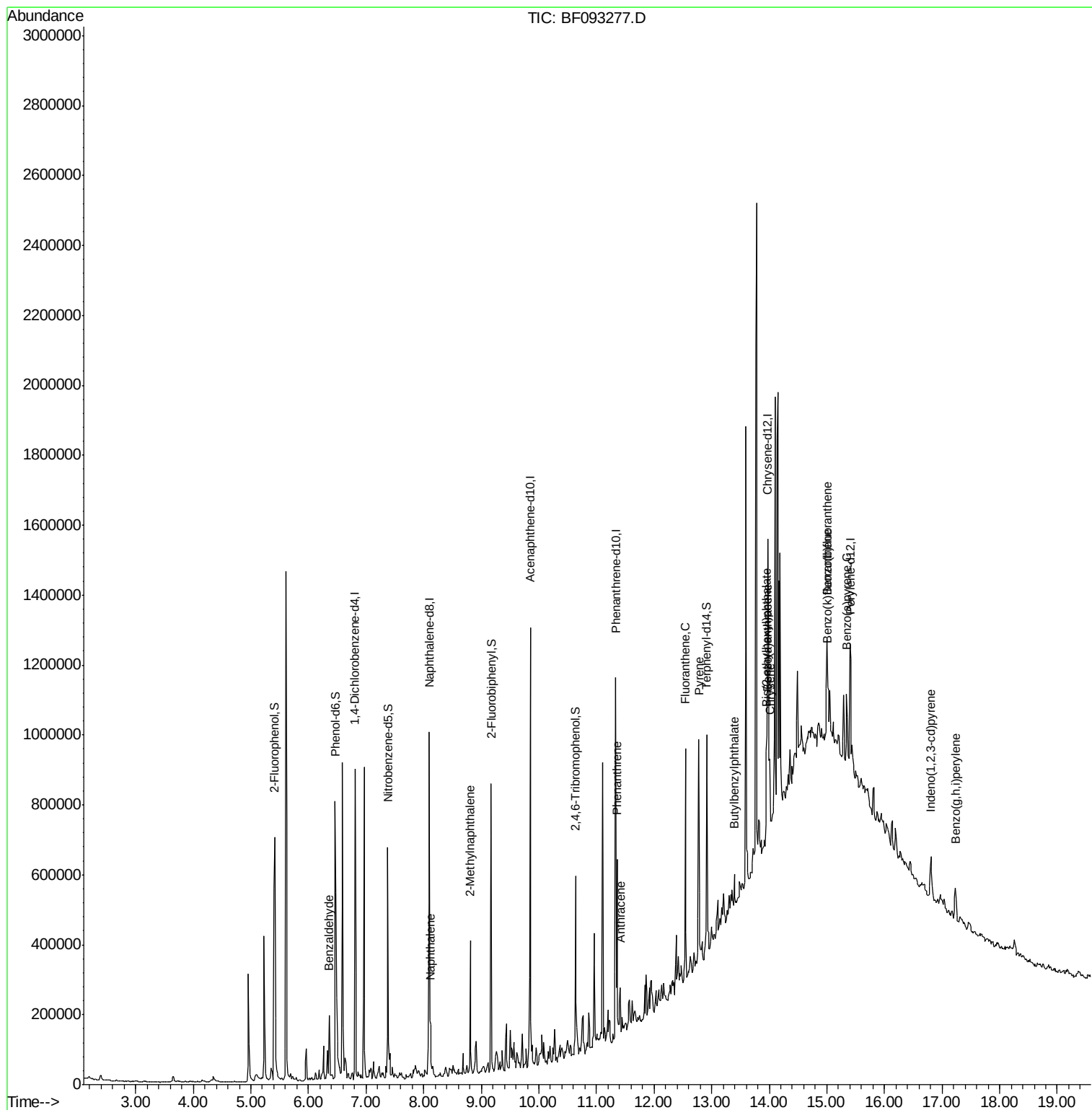
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
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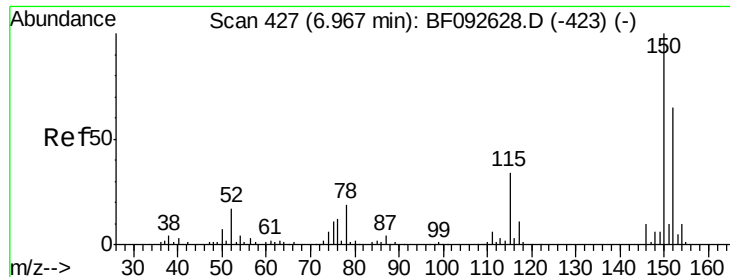
Instrument :
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#1

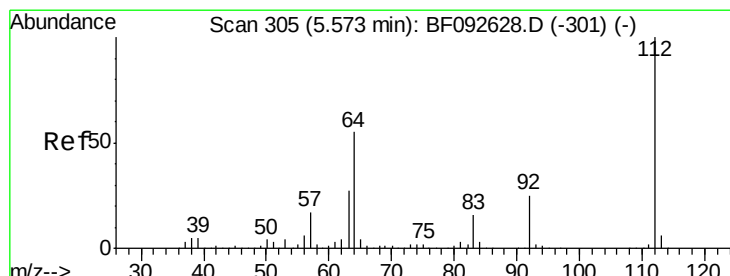
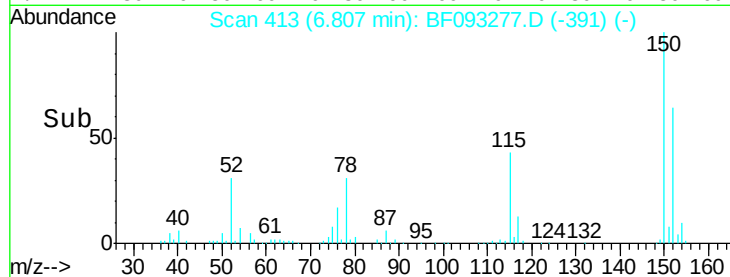
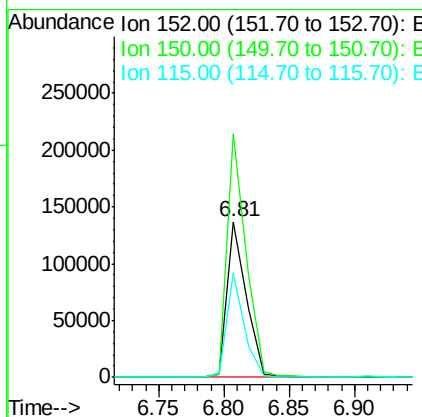
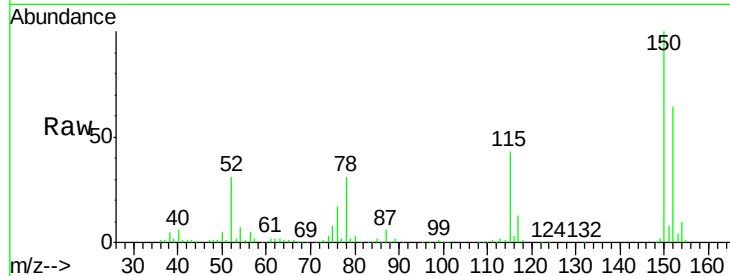
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.9	187.3
115	67.2	46.0	69.0

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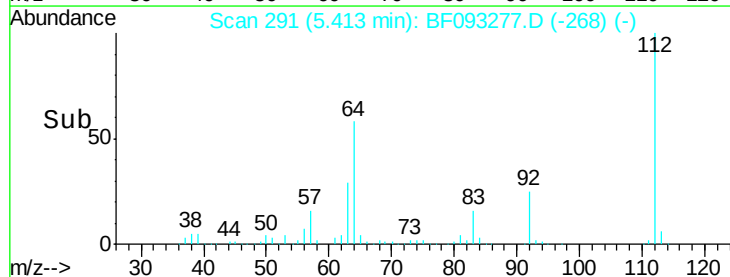
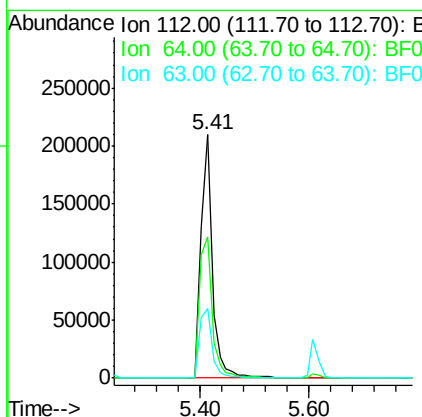
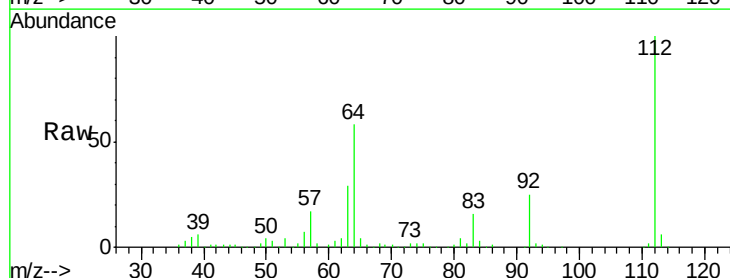
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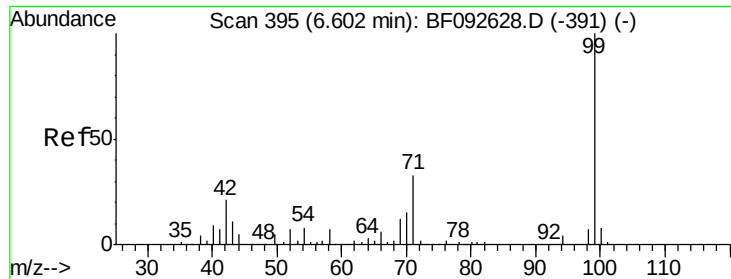


#5

2-Fluorophenol
Concen: 37.11 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.1	69.1
63	28.5	23.8	35.6





#7

Phenol-d6

Concen: 38.34 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

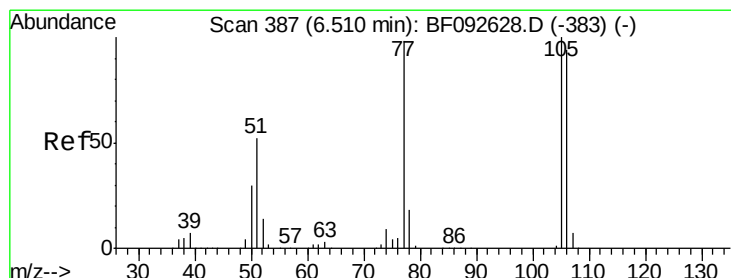
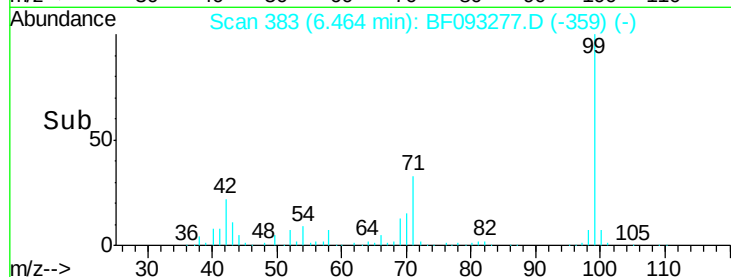
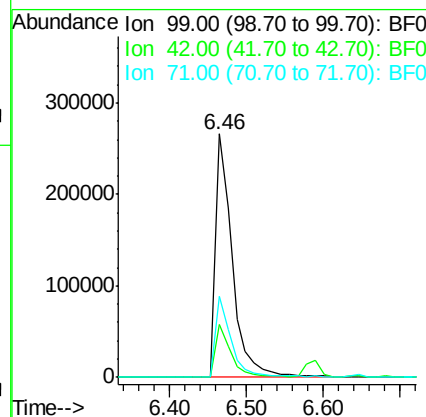
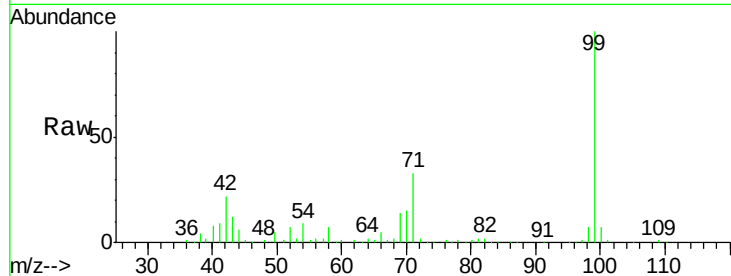
ClientSampleId :

E2-HH5-SW-1

Tgt Ion:	99	Resp:	403794
Ion Ratio	Lower	Upper	
99	100		
42	21.8	15.6	23.4
71	33.4	27.5	41.3

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#9

Benzaldehyde

Concen: 5.53 ng

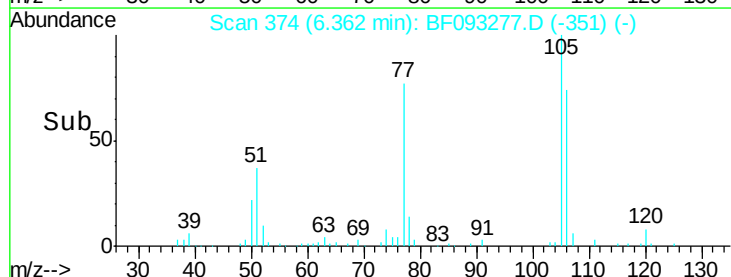
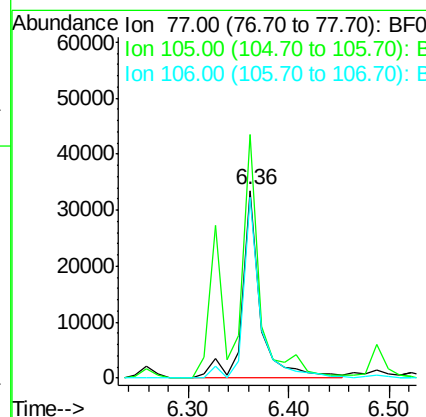
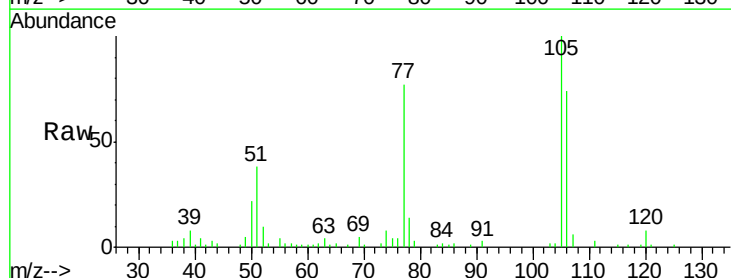
RT: 6.36 min Scan# 374

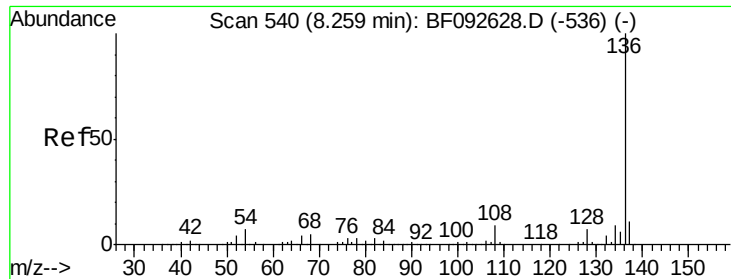
Delta R.T. -0.03 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Tgt Ion:	77	Resp:	41738
Ion Ratio	Lower	Upper	
77	100		
105	129.9	83.9	123.9#
106	96.3	77.6	117.6





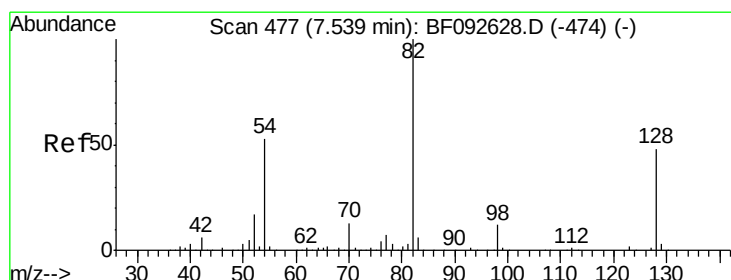
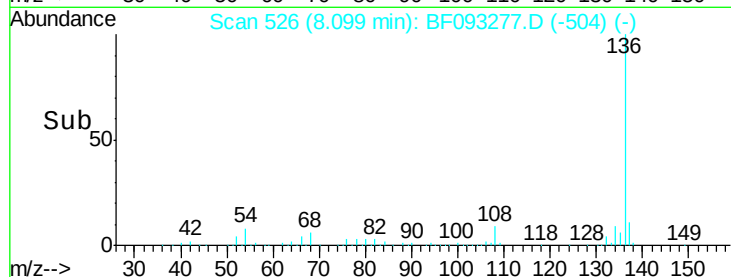
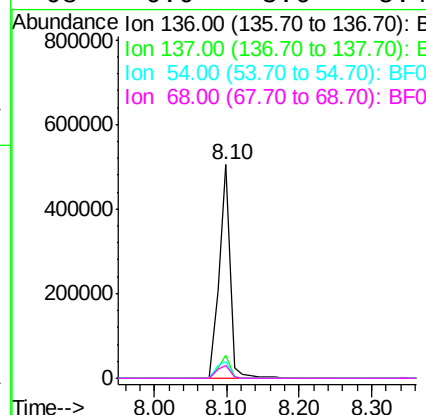
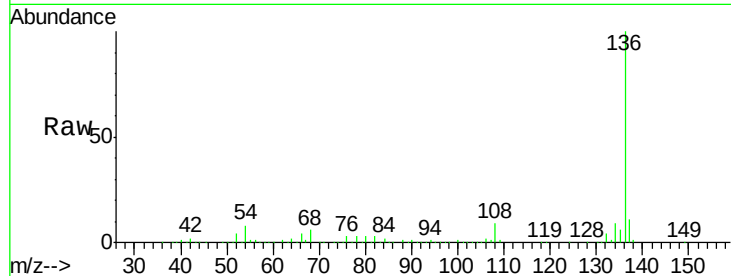
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.9	4.5	6.7#
68	6.0	3.6	5.4#

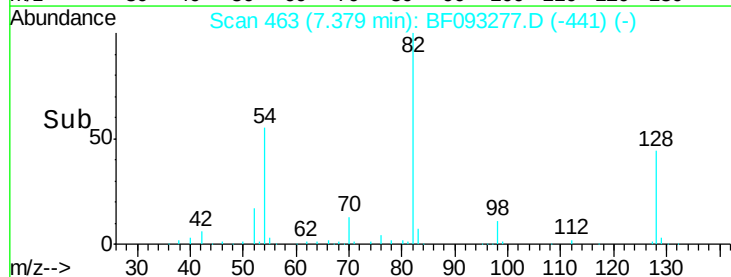
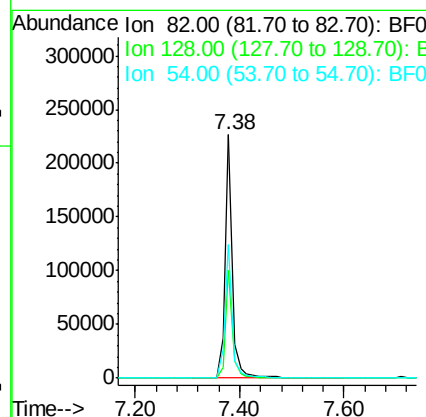
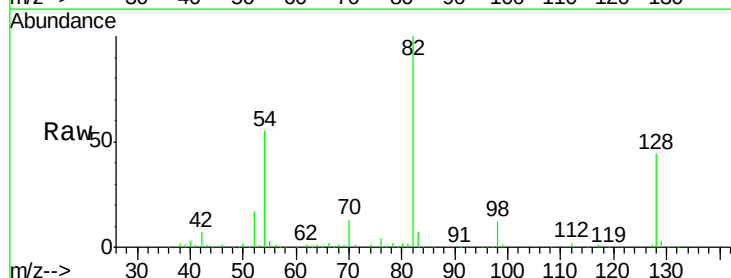
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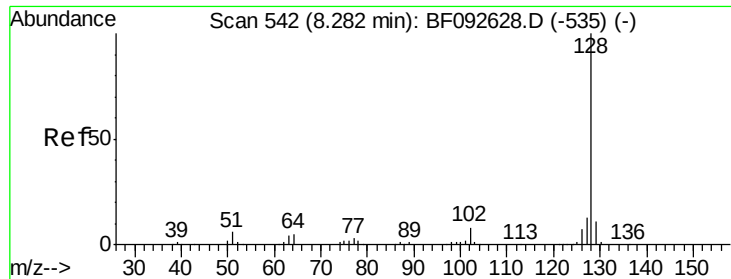
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#23
Nitrobenzene-d5
Concen: 23.65 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.3	34.6	52.0
54	54.6	39.5	59.3





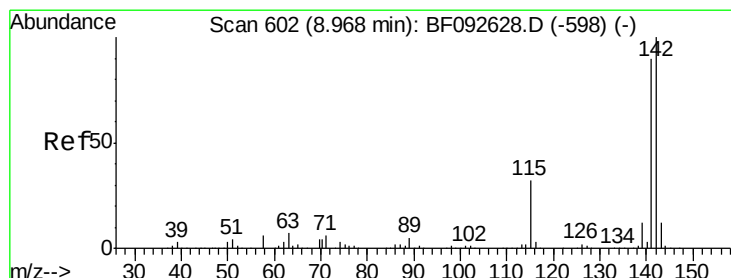
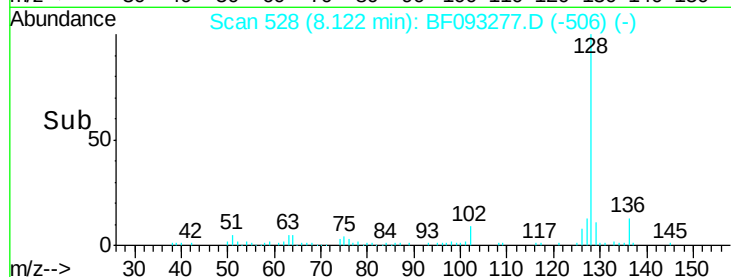
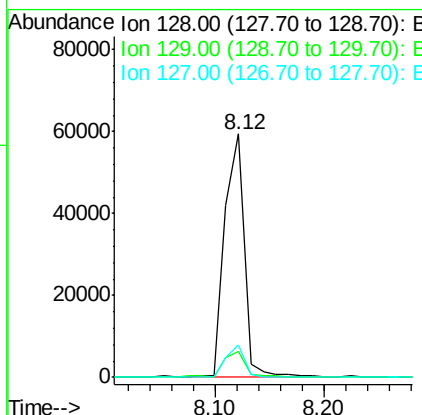
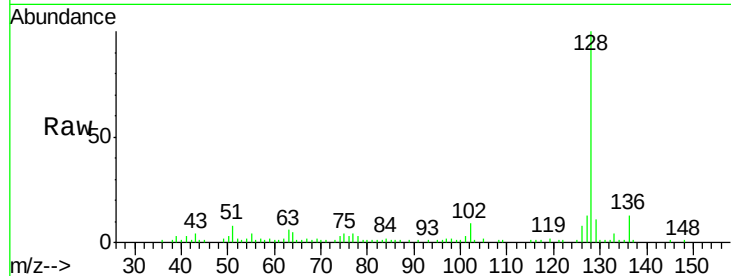
#31
Naphthalene
Concen: 2.83 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	75230		
129	10.7		9.5	14.3
127	13.1		10.8	16.2

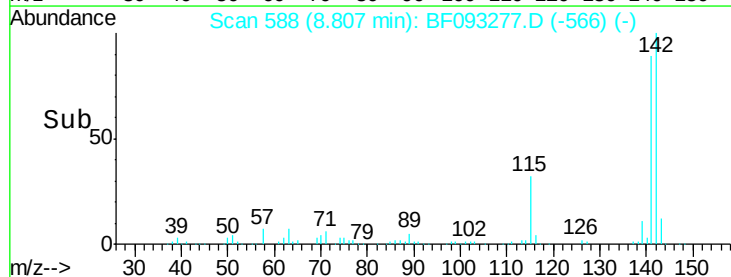
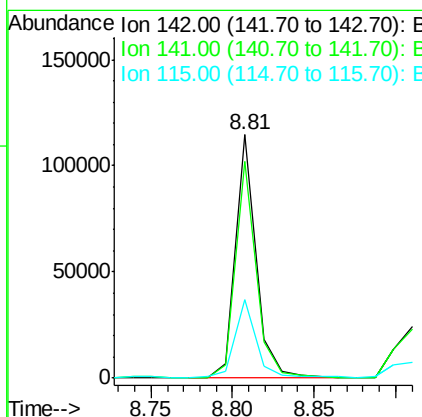
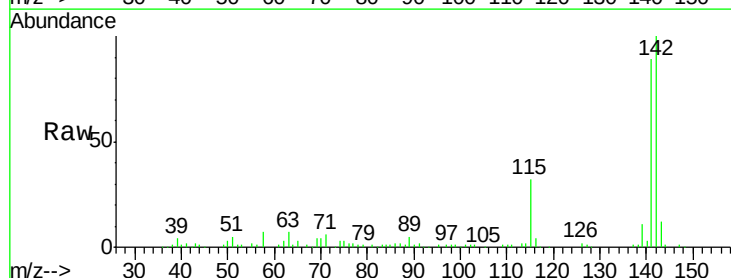
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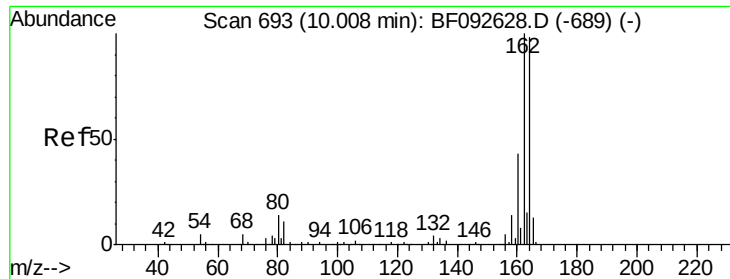
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#37
2-Methylnaphthalene
Concen: 5.82 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	99417		
141	89.2		71.0	106.6
115	32.1		28.3	42.5





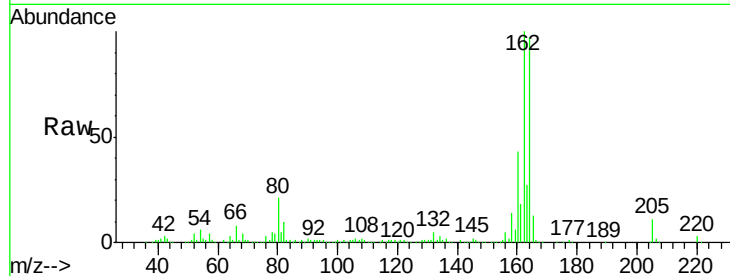
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

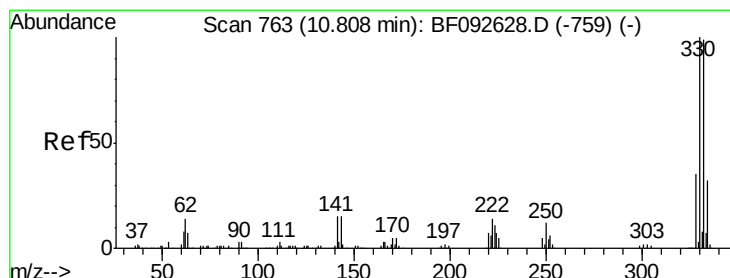
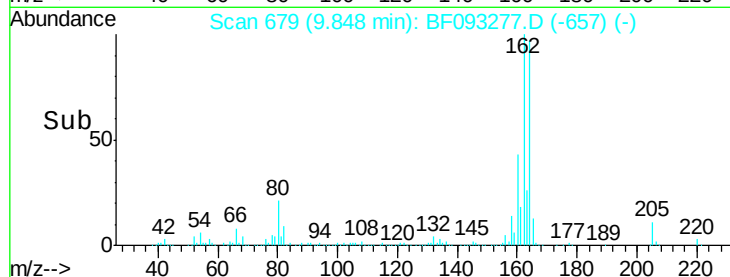
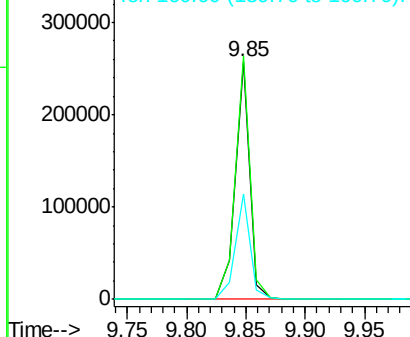
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219285		
162	102.6	80.2	120.2	
160	44.5	36.9	55.3	

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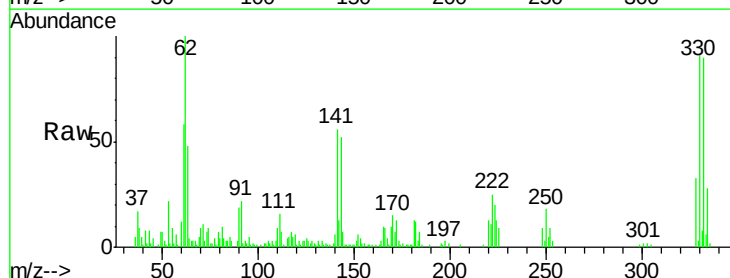


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

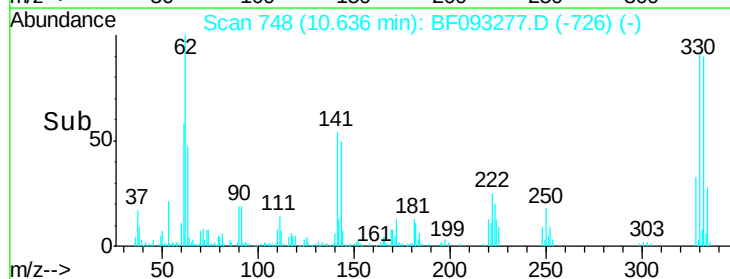
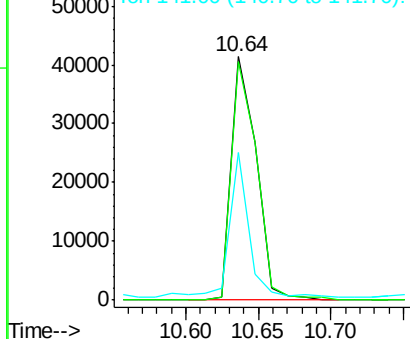


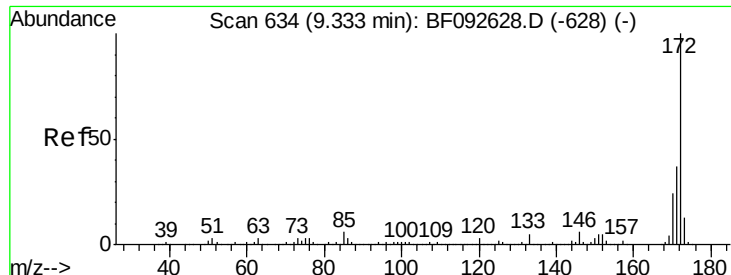
#41
2,4,6-Tribromophenol
Concen: 31.19 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	49461		
332	99.4	77.4	116.2	
141	46.6	34.1	51.1	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





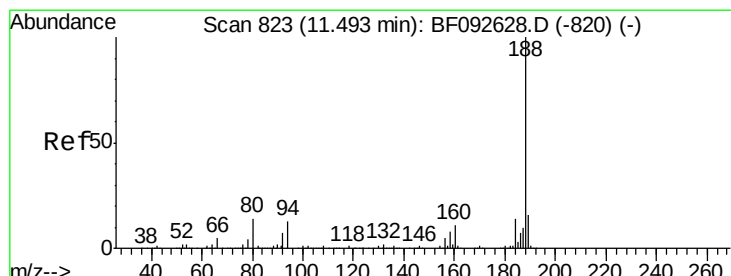
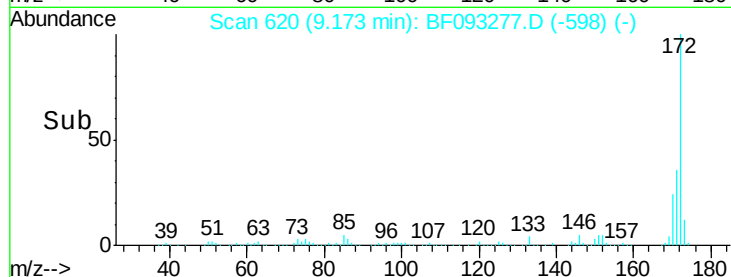
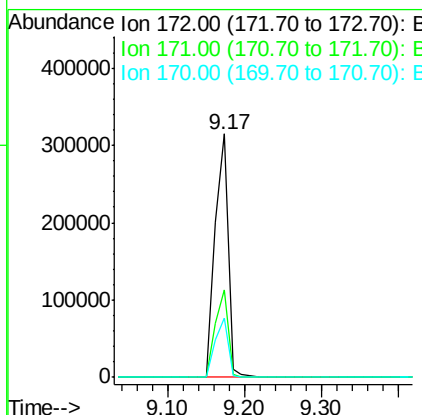
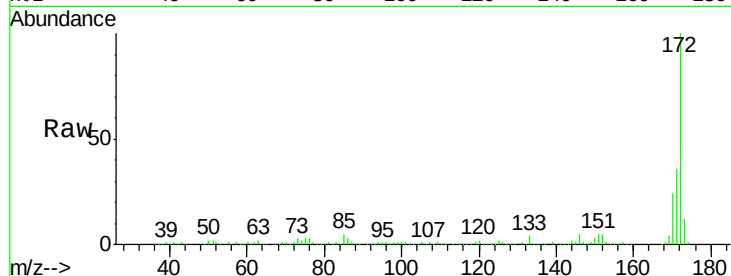
#44
2-Fluorobiphenyl
Concen: 30.41 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
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E2-HH5-SW-1

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	368085		
171	36.0		29.4	44.0
170	24.5		20.2	30.4

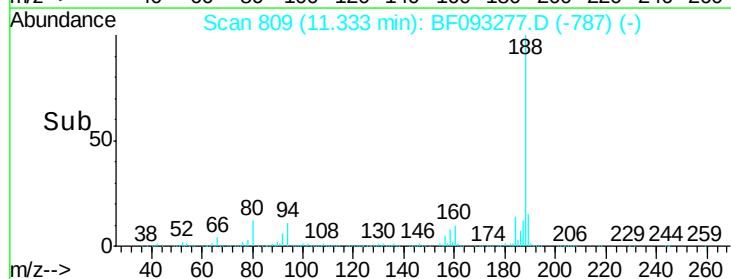
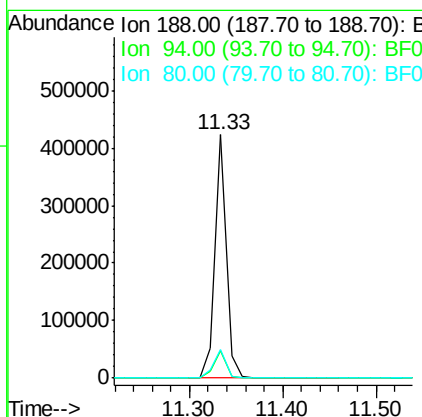
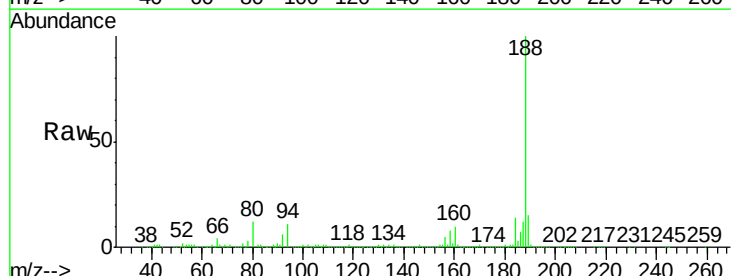
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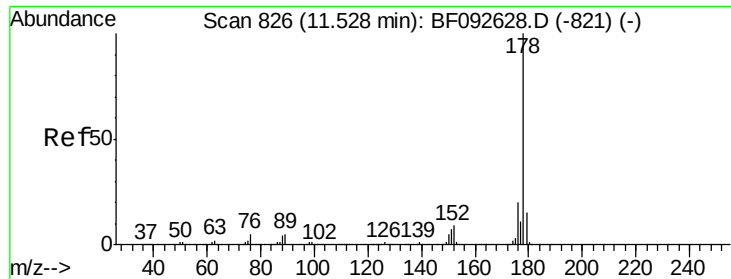
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	358186		
94	11.0		10.0	15.0
80	11.7		11.2	16.8





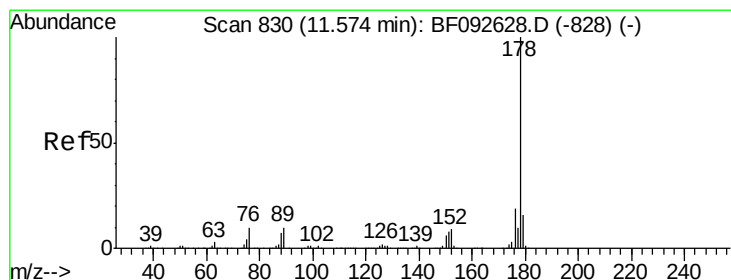
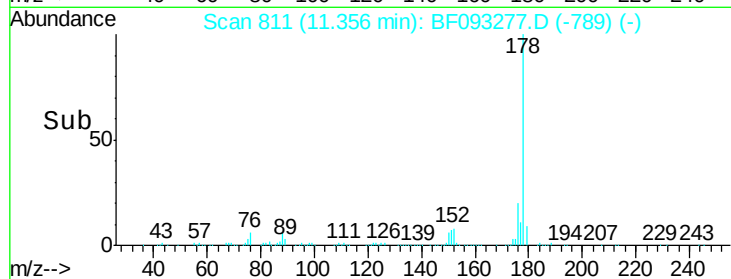
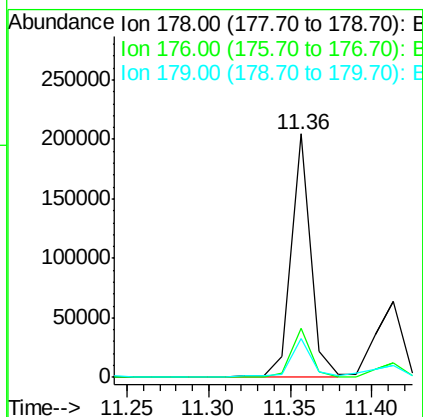
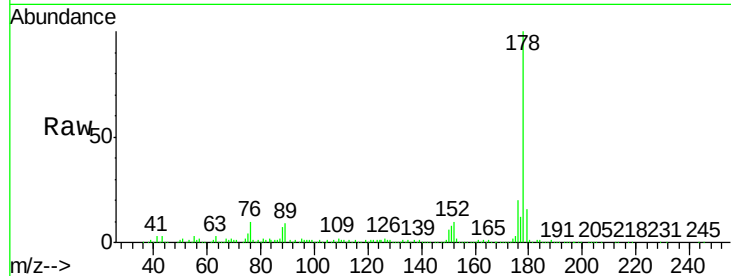
#70
Phenanthrene
Concen: 8.21 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	25.0
179	15.8	12.8	19.2

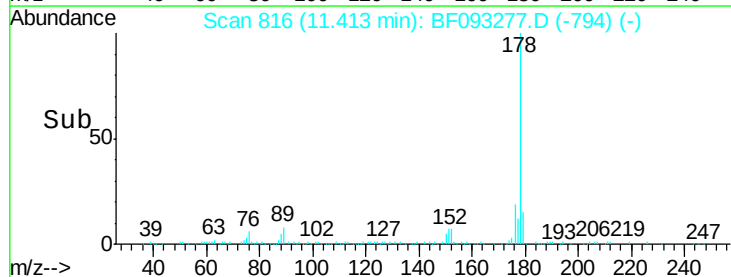
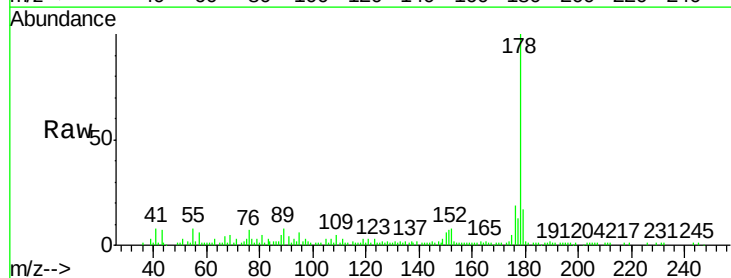
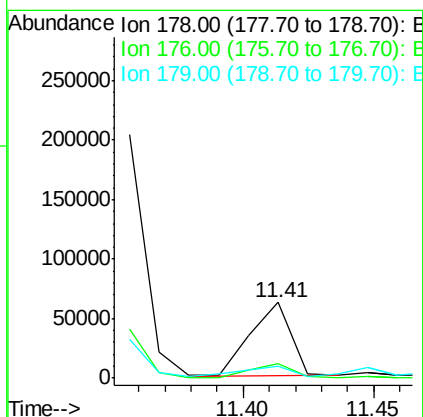
Manual Integrations
APPROVED

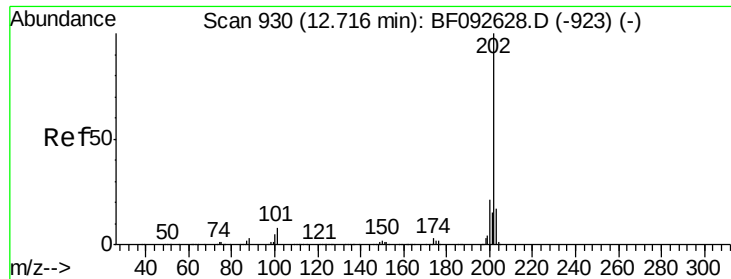
mohammad
3/1/2017 4:09:01 PM



#71
Anthracene
Concen: 3.29 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	16.5	13.2	19.8





#74

Fluoranthene

Concen: 11.80 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

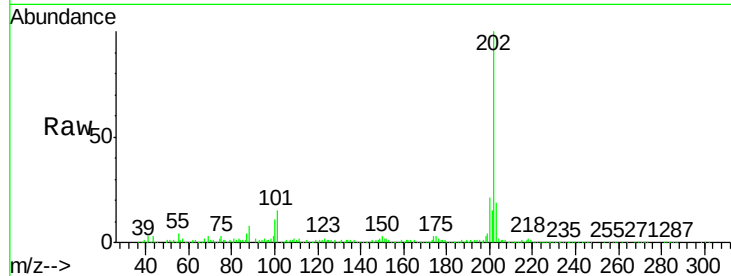
ClientSampleId :

E2-HH5-SW-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.3	0.0	34.6
203	18.7	0.0	38.7

Manual Integrations
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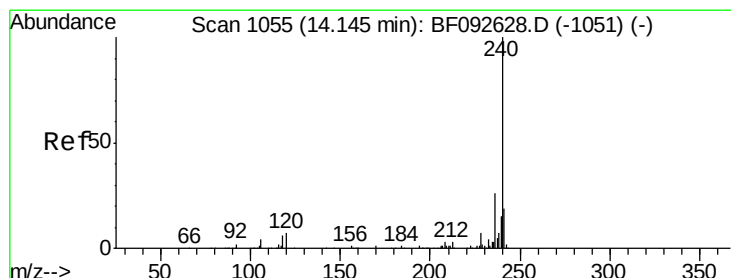
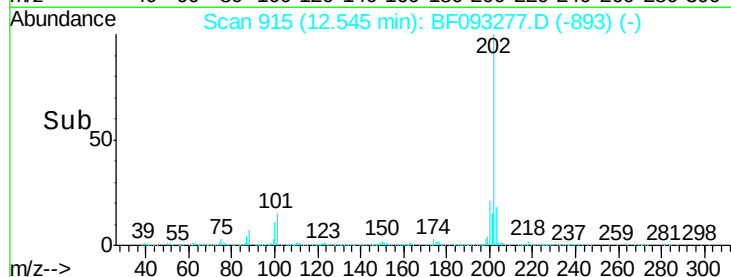
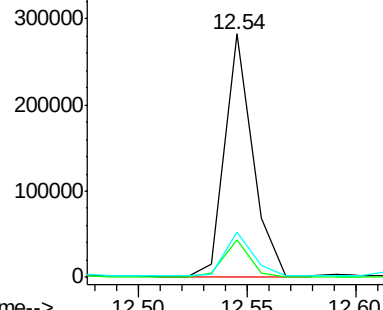
mohammad
3/1/2017 4:09:01 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

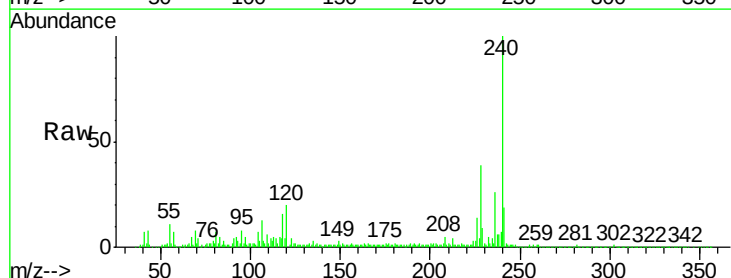
RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

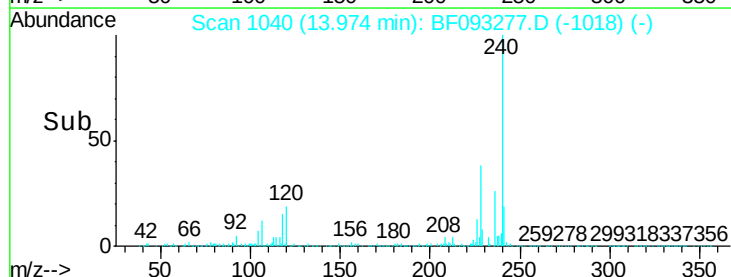
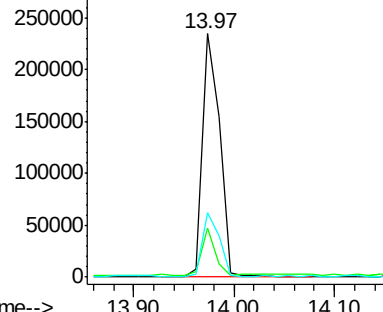
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	20.1	12.9	19.3#
236	26.2	20.9	31.3

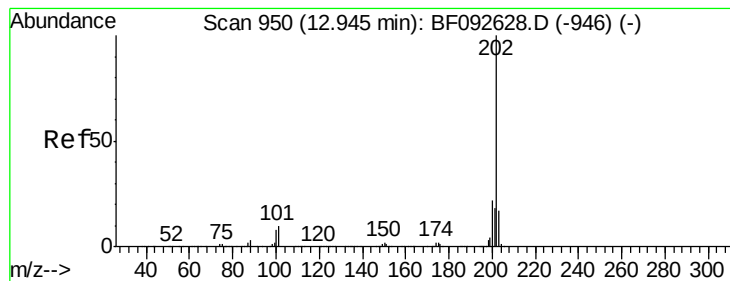


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.10 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

Instrument :

BNA_F

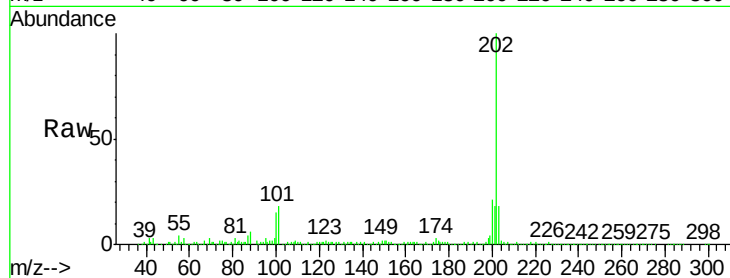
ClientSampleId :

E2-HH5-SW-1

Tgt Ion:	202	Resp:	272154
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.0	14.7	22.1

Manual Integrations
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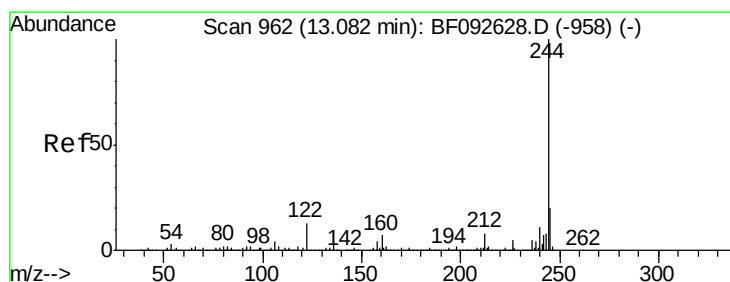
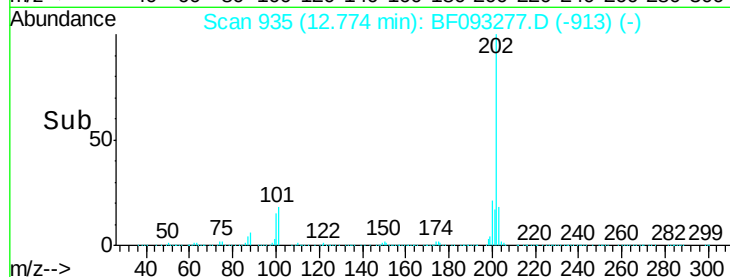
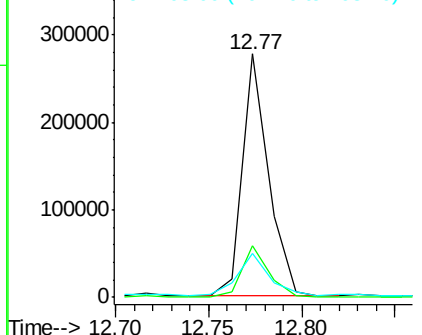
mohammad
3/1/2017 4:09:01 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 22.66 ng

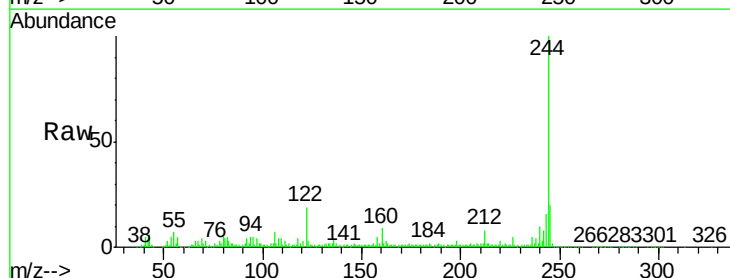
RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093277.D

Acq: 1 Mar 2017 6:53

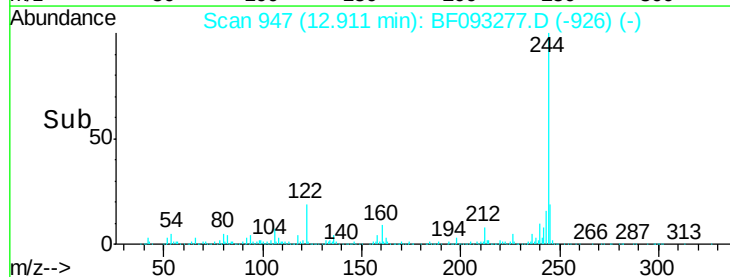
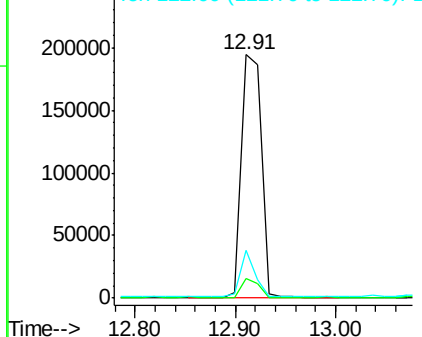
Tgt Ion:	244	Resp:	267797
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.2	9.2
122	19.4	11.4	17.2

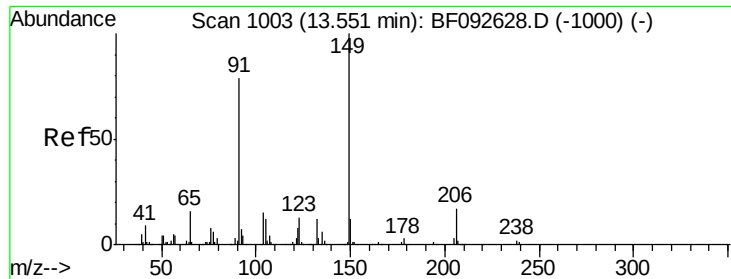


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





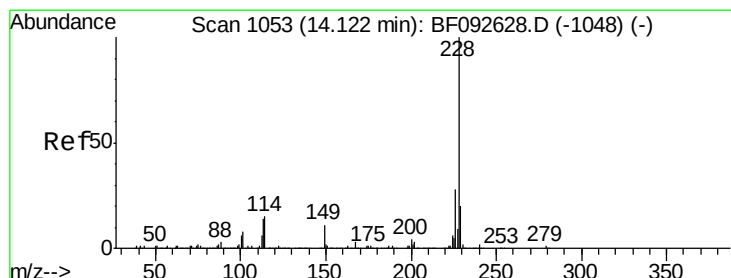
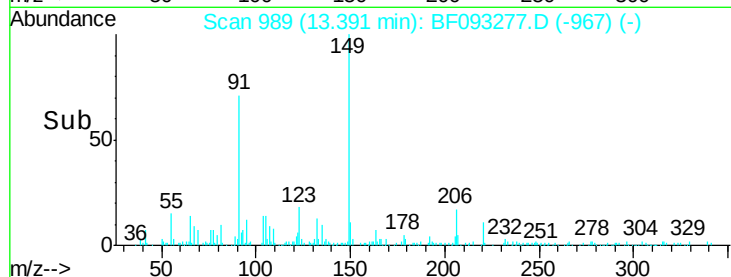
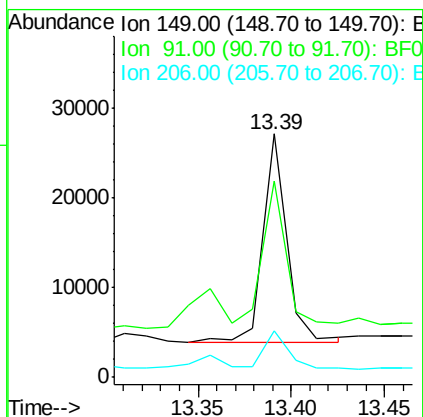
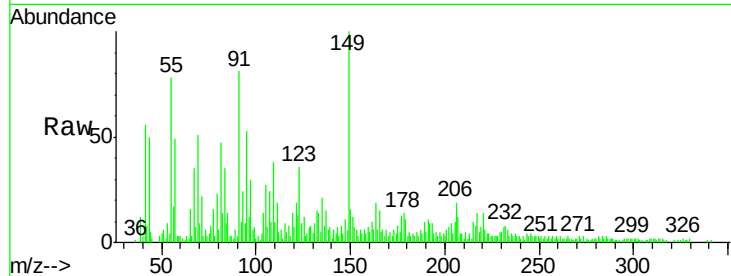
#79
Butylbenzylphthalate
Concen: 2.42 ng
RT: 13.39 min Scan# 989
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	80.8	63.9	95.9
206	19.1	14.6	21.8

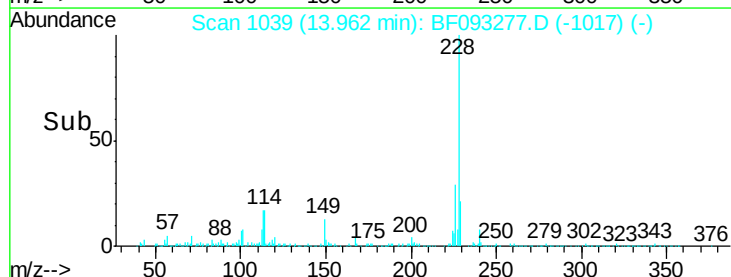
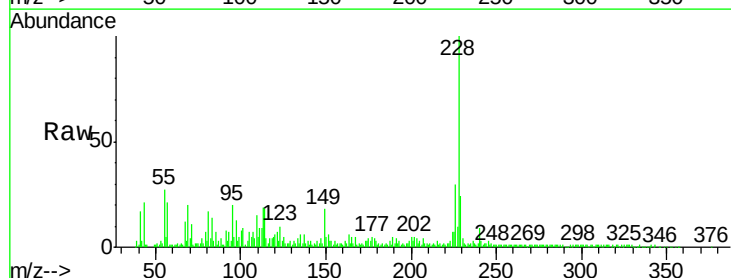
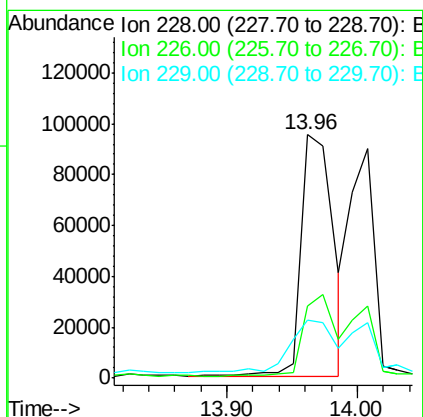
Manual Integrations
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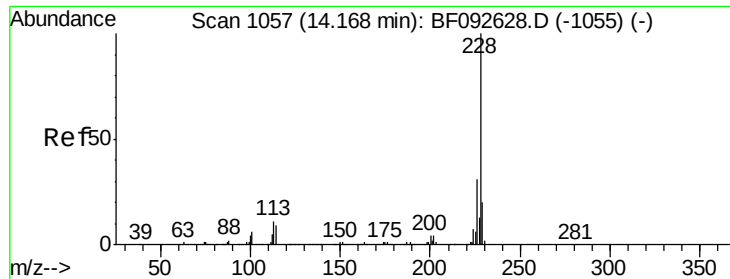
mohammad
3/1/2017 4:09:01 PM



#80
Benzo(a)anthracene
Concen: 9.53 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.8	22.4	33.6
229	23.7	16.2	24.4





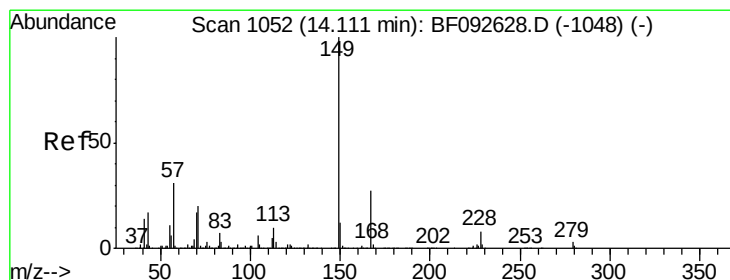
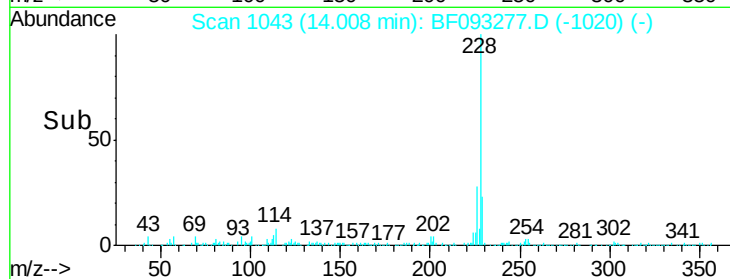
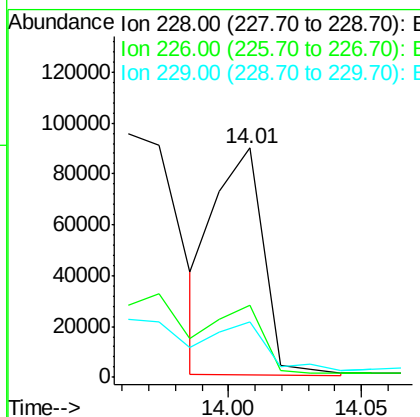
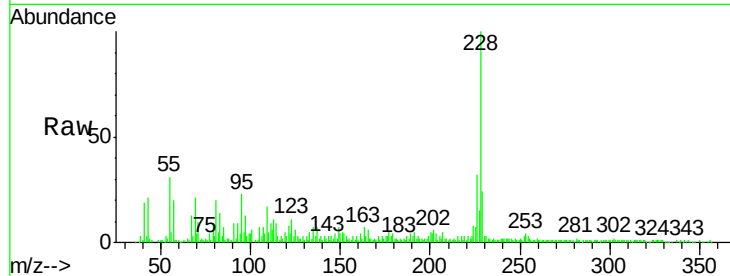
#82
Chrysene
 Concen: 7.27 ng m
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.03 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	24.4	16.2	24.2

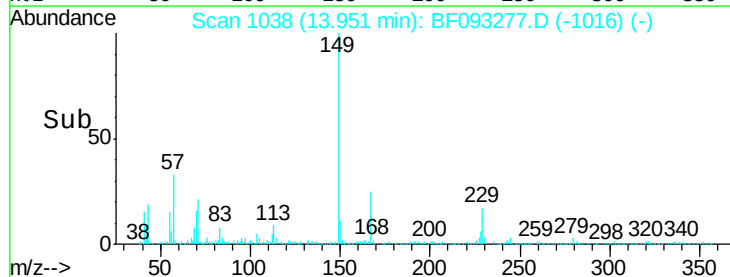
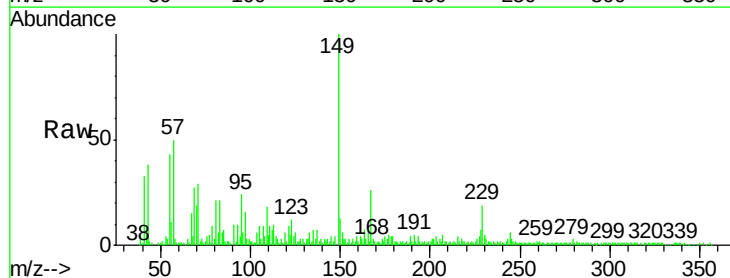
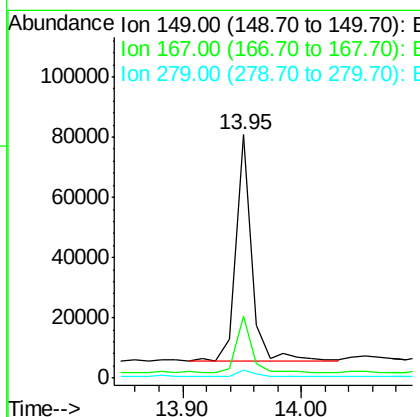
Manual Integrations
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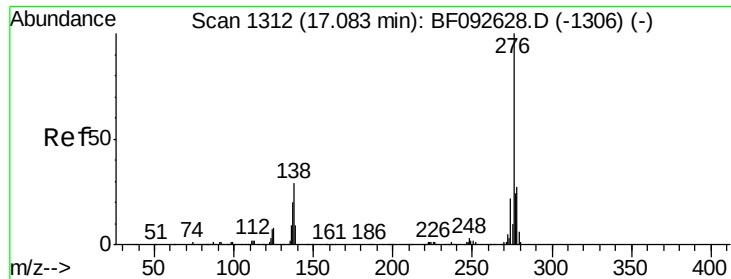
mohammad
 3/1/2017 4:09:01 PM



#83
Bis(2-ethylhexyl)phthalate
 Concen: 6.02 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.05 min
 Lab File: BF093277.D
 Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.2	30.4
279	3.2	1.8	2.8





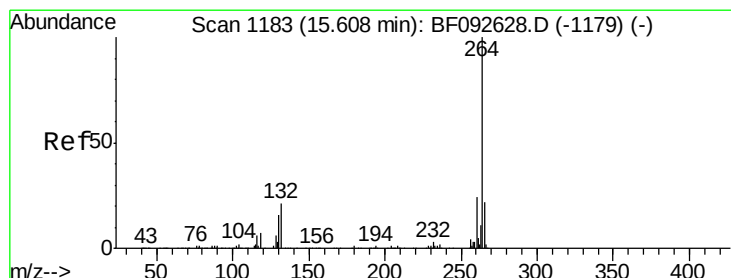
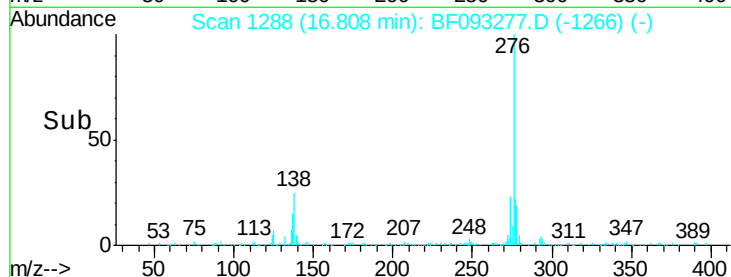
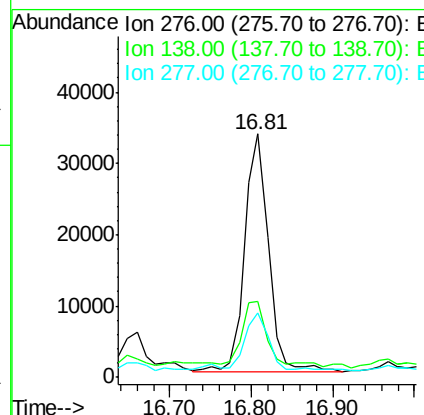
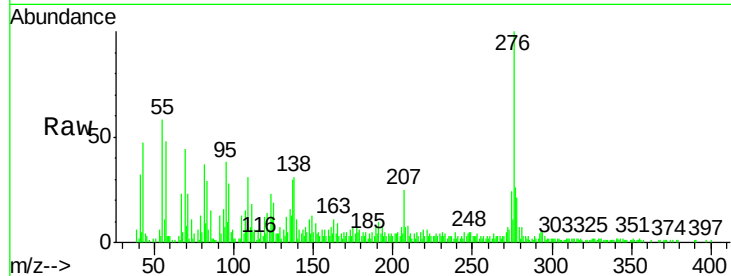
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.51 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	21.8	32.6
277	23.4	20.2	30.4

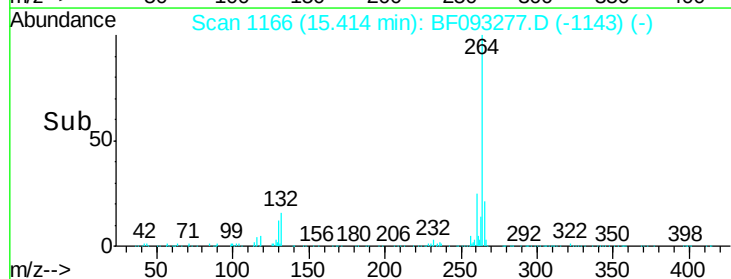
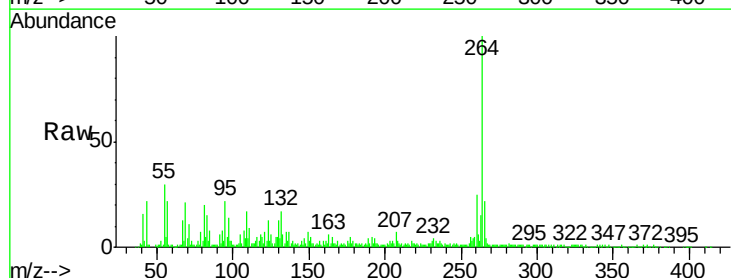
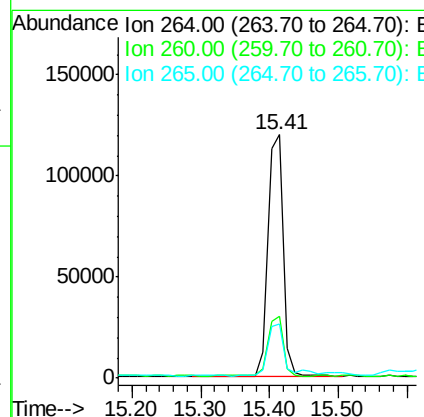
Manual Integrations
APPROVED

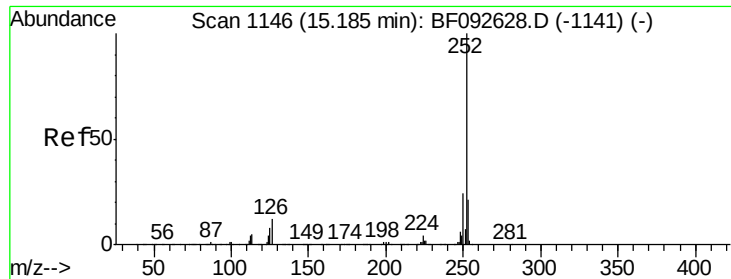
mohammad
3/1/2017 4:09:01 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.0	17.4	26.0





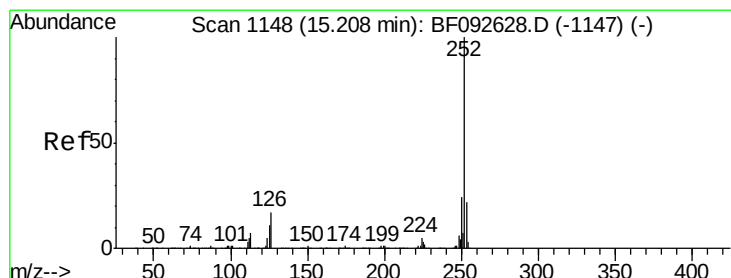
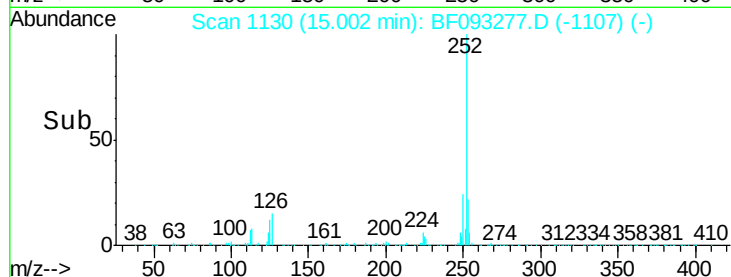
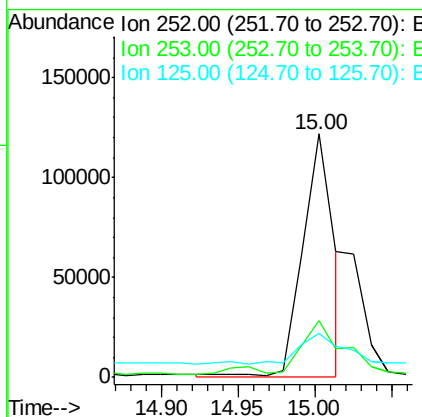
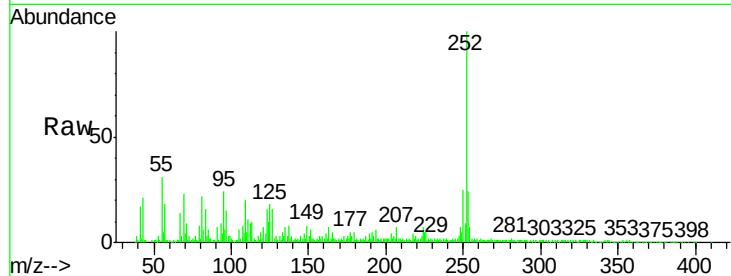
#87
Benzo(b)fluoranthene
Concen: 14.41 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	17.9	9.8	14.6

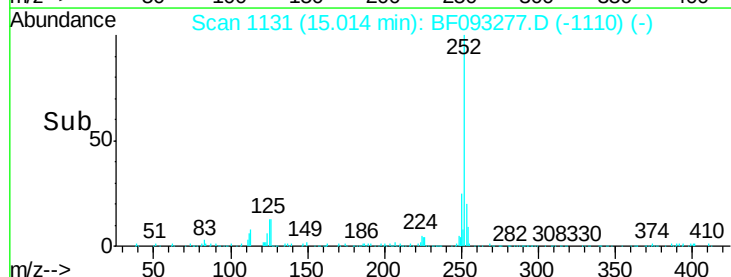
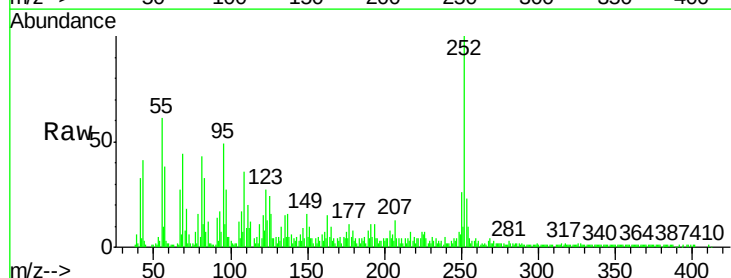
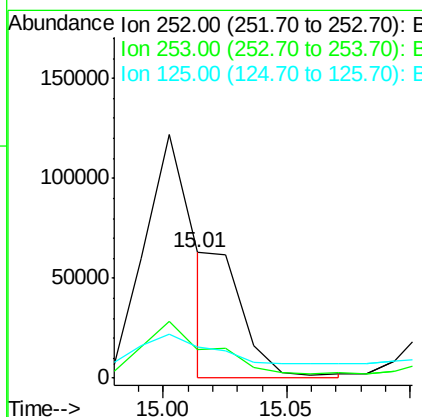
Manual Integrations
APPROVED

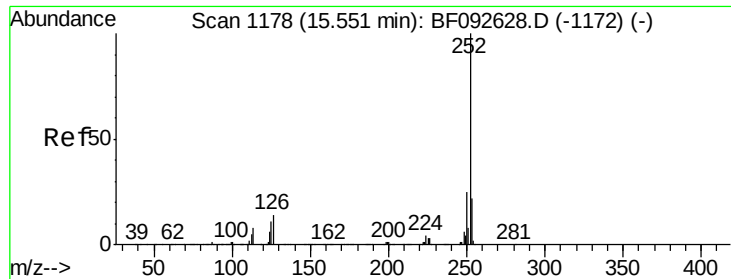
mohammad
3/1/2017 4:09:01 PM



#88
Benzo(k)fluoranthene
Concen: 5.52 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	24.3	8.9	13.3





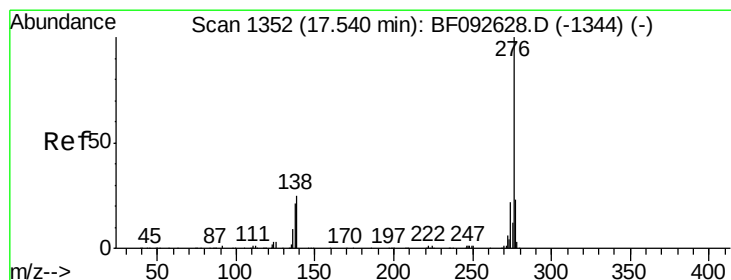
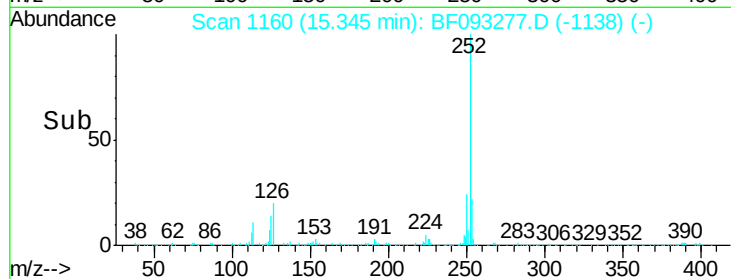
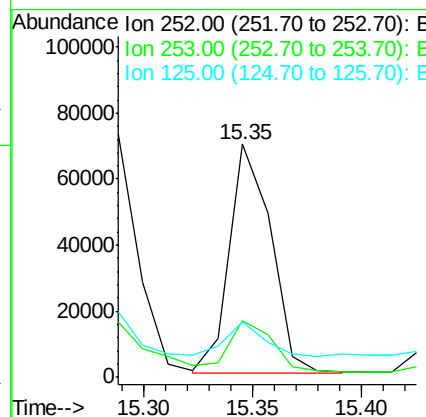
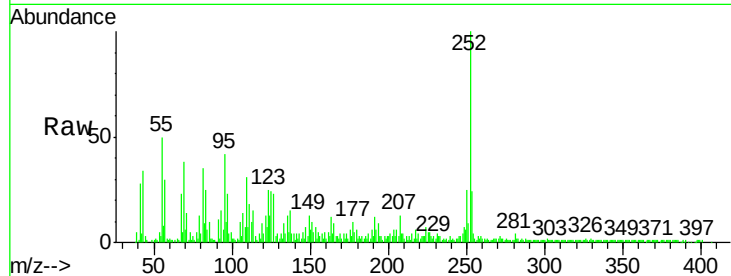
#89
Benzo(a)pyrene
Concen: 8.89 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.3	18.2	27.2
125	23.8	10.0	15.0#

Manual Integrations
APPROVED

mohammad
3/1/2017 4:09:01 PM



#91
Benzo(g,h,i)perylene
Concen: 9.05 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093277.D
Acq: 1 Mar 2017 6:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.4	19.2	28.8
138	30.3	16.0	24.0#

