

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093274.D
 Acq On : 1 Mar 2017 5:30
 Operator : SJ/MA
 Sample : I1972-08DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

Manual Integrations
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Quant Time: Mar 01 06:41:43 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	134516	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	497038	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	213519	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	342871	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	297969	20.00	ng	-0.05
86) Perylene-d12	15.40	264	214163	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	207735	26.49	ng	-0.03
7) Phenol-d6	6.45	99	279694	27.72	ng	-0.03
23) Nitrobenzene-d5	7.38	82	157344	17.63	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	34368	22.25	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	245530	20.83	ng	-0.05
78) Terphenyl-d14	12.91	244	174522	13.76	ng	-0.06
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	42607	2.04	ng	96
57) Fluorene	10.40	166	27723	2.16	ng	97
70) Phenanthrene	11.36	178	485223	24.70	ng	98
71) Anthracene	11.40	178	120409	6.10	ng	99
72) Carbazole	11.57	167	65657	3.48	ng	96
74) Fluoranthene	12.54	202	751244	37.08	ng	98
77) Pyrene	12.77	202	656600	29.45	ng	99
80) Benzo(a)anthracene	13.96	228	351507m	19.29	ng	
82) Chrysene	14.00	228	344225m	20.17	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	111473	8.43	ng	98
87) Benzo(b)fluoranthene	14.99	252	320545m	22.74	ng	
88) Benzo(k)fluoranthene	15.00	252	137628m	11.31	ng	
89) Benzo(a)pyrene	15.35	252	210331	17.25	ng	97
90) Dibenzo(a,h)anthracene	16.79	278	32691m	3.32	ng	
91) Benzo(g,h,i)perylene	17.21	276	98234	9.87	ng	# 89

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

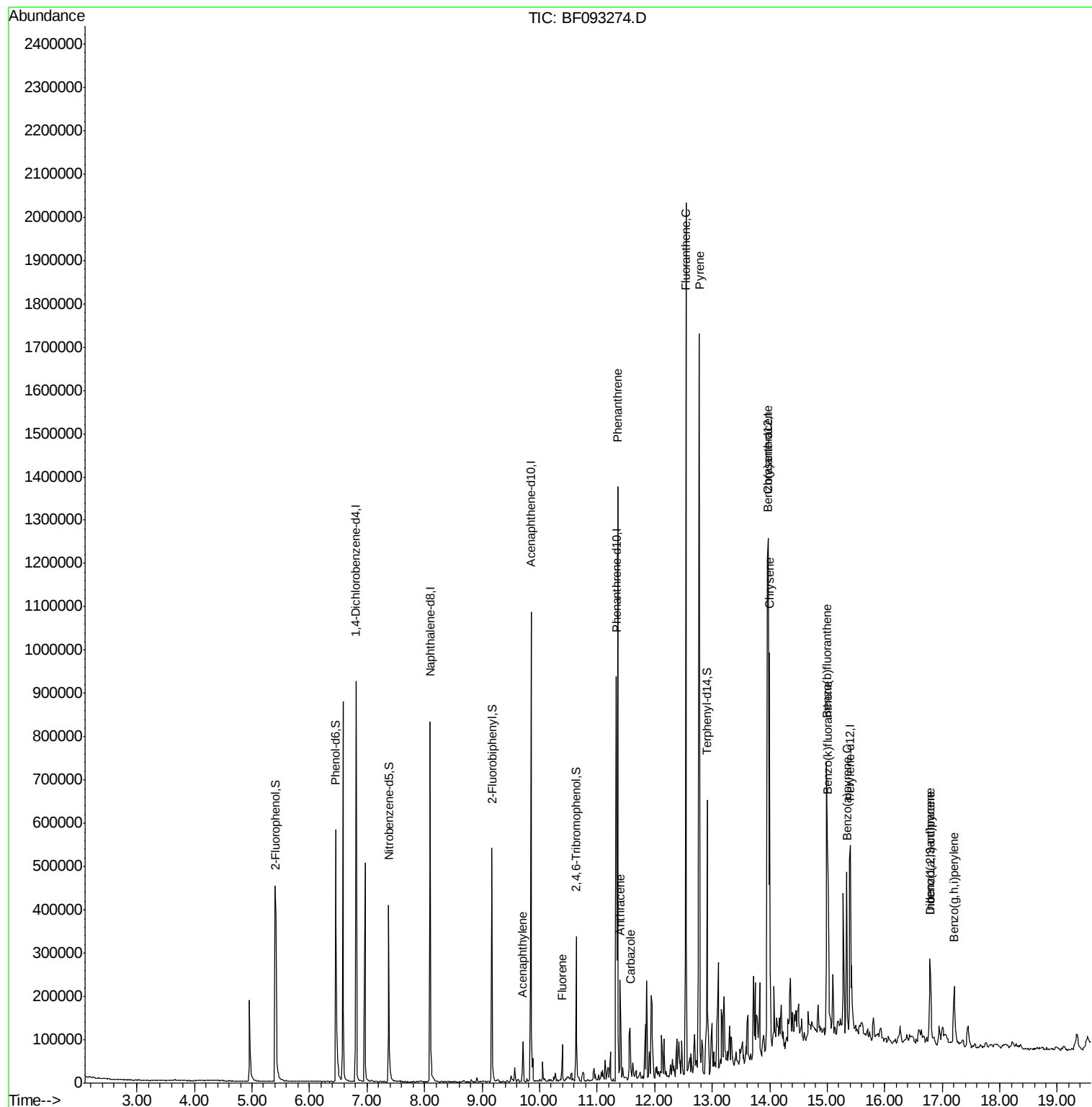
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093274.D
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ALS Vial : 35 Sample Multiplier: 1

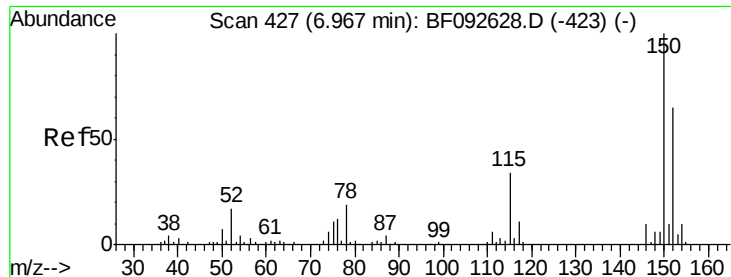
Instrument :
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E2B21-WESTSW-2DL

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#1

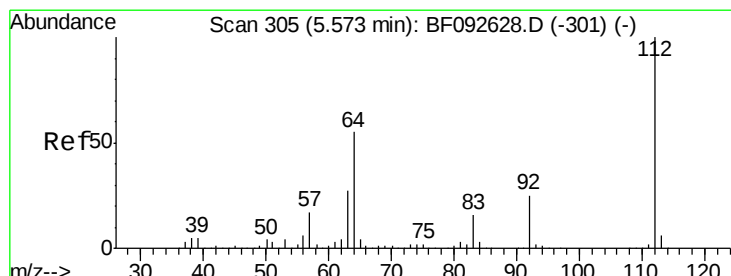
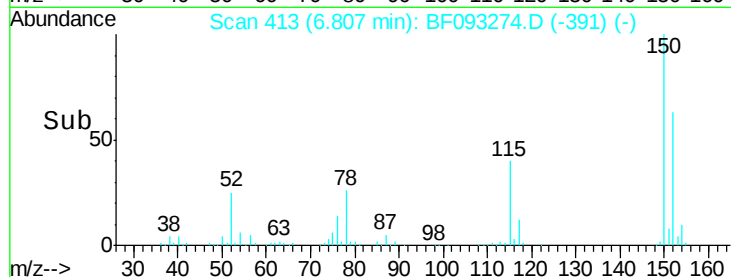
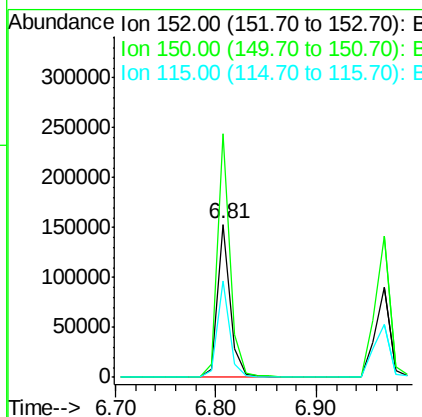
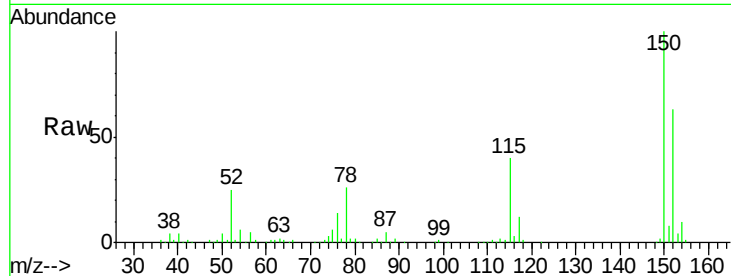
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.9	187.3
115	62.9	46.0	69.0

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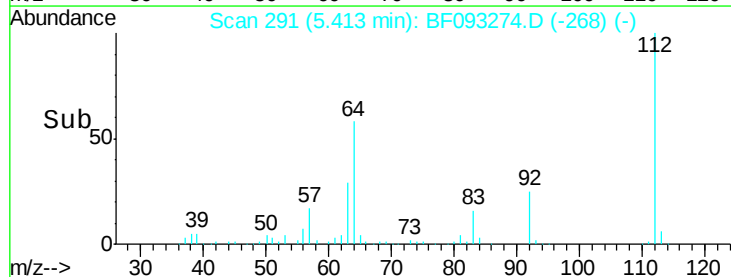
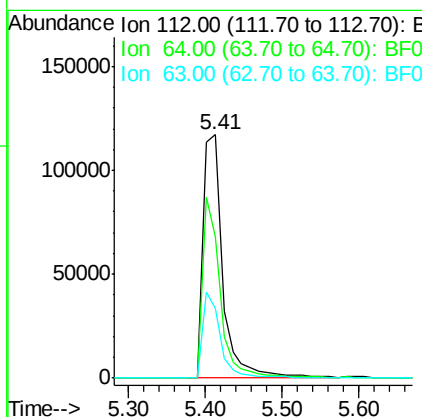
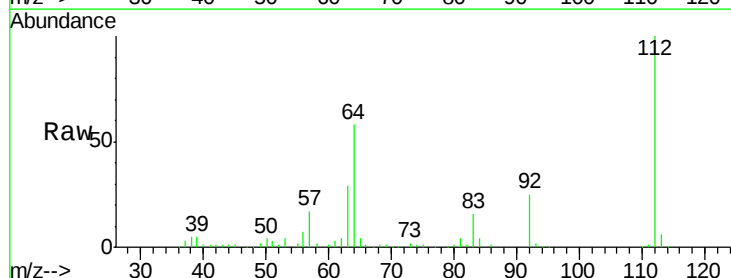
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#5

2-Fluorophenol
Concen: 26.49 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.1	69.1
63	28.5	23.8	35.6





#7

Phenol-d6

Concen: 27.72 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093274.D

Acq: 1 Mar 2017 5:30

Instrument :

BNA_F

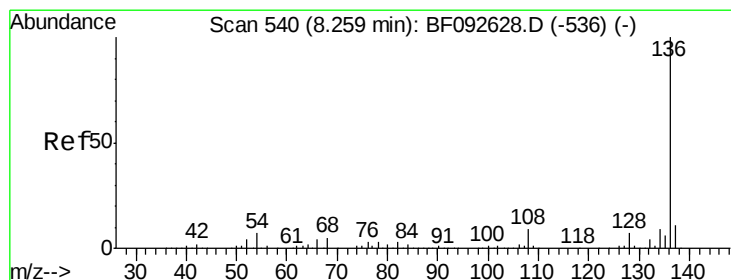
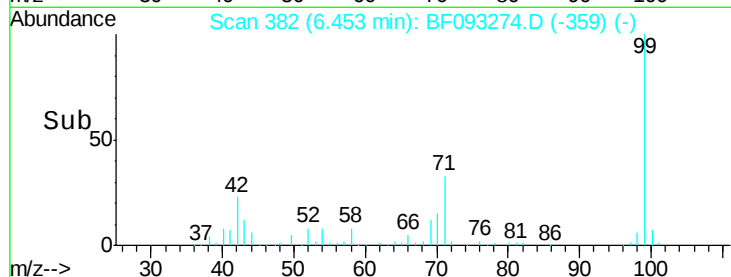
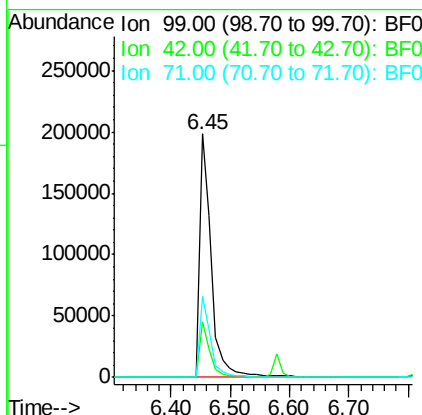
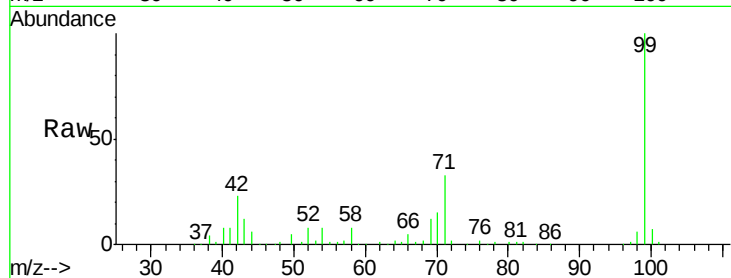
ClientSampleId :

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Tgt Ion:	99	Resp:	279694
Ion	Ratio	Lower	Upper
99	100		
42	23.0	15.6	23.4
71	33.4	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

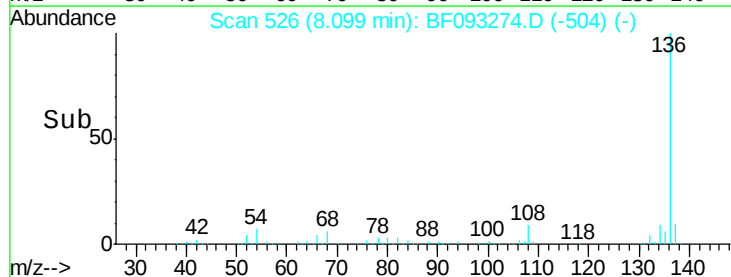
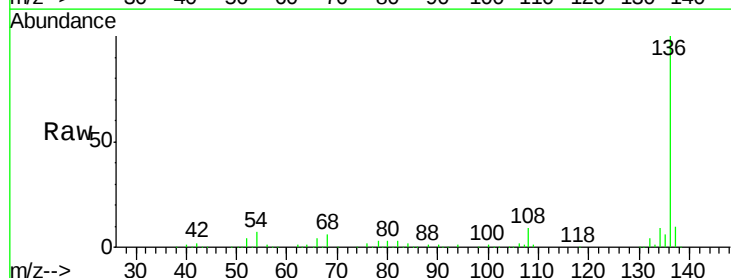
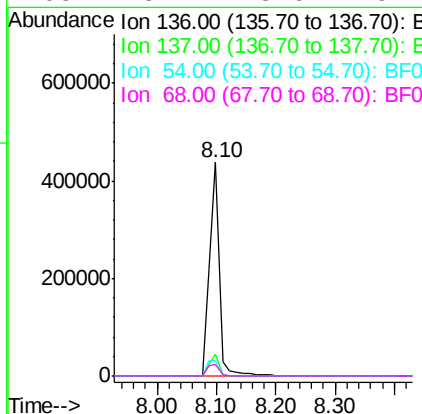
RT: 8.10 min Scan# 526

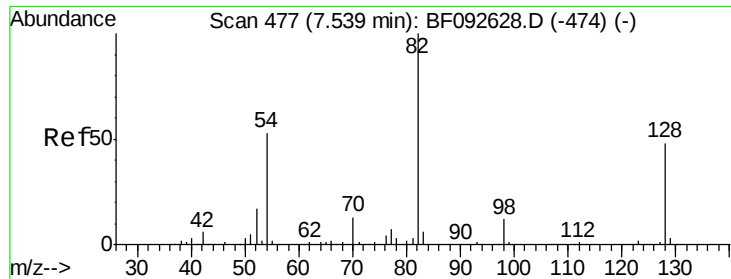
Delta R.T. -0.05 min

Lab File: BF093274.D

Acq: 1 Mar 2017 5:30

Tgt Ion:	136	Resp:	497038
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	7.1	4.5	6.7#
68	5.7	3.6	5.4#





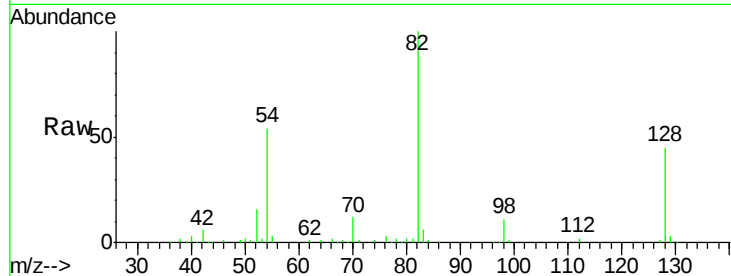
#23
 Nitrobenzene-d5
 Concen: 17.63 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

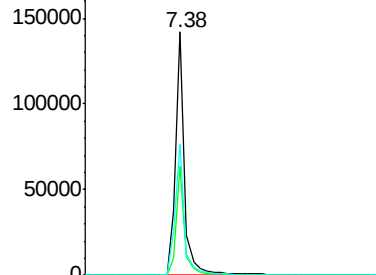
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.6	52.0
54	53.6	39.5	59.3

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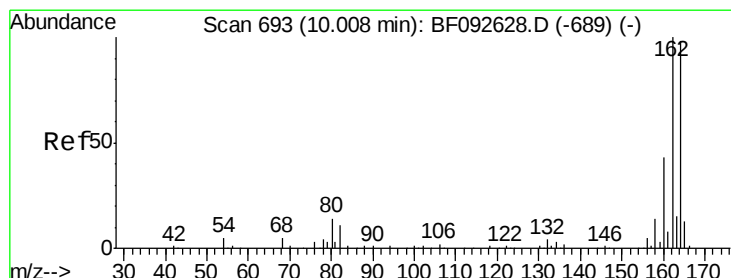
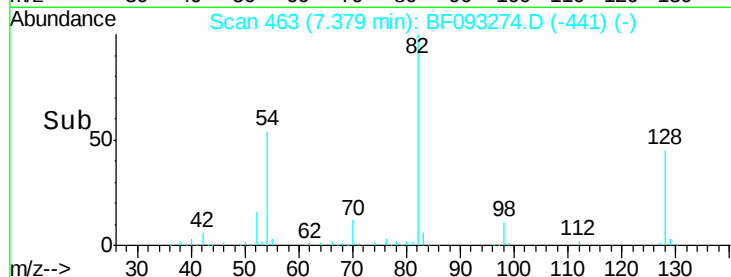
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Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



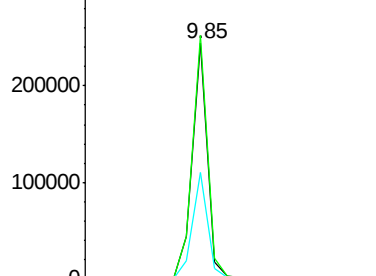
Time-->



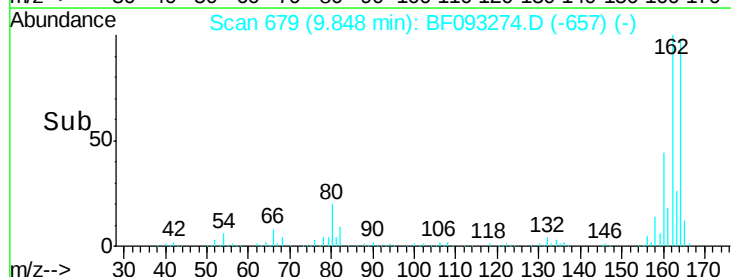
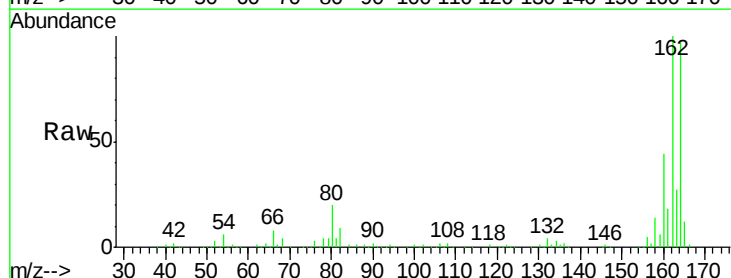
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.2	120.2
160	45.1	36.9	55.3

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



Time-->





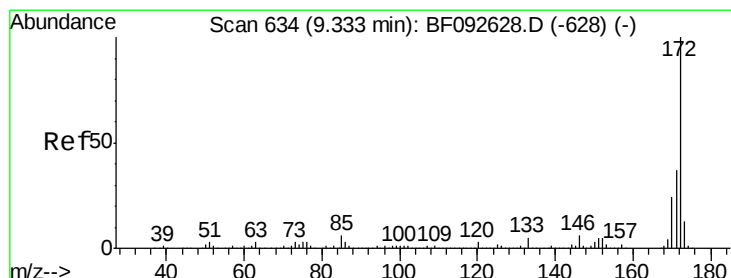
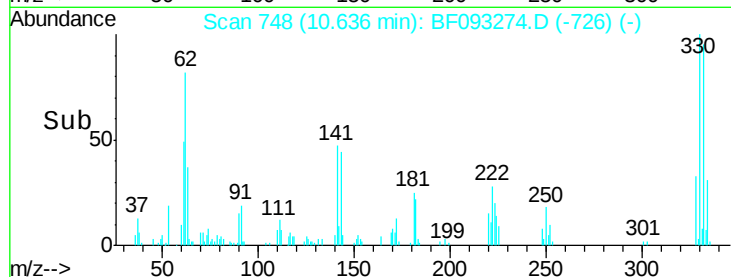
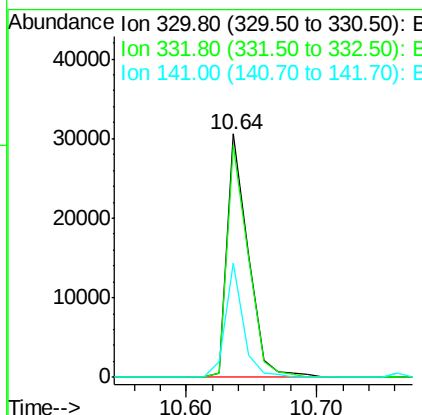
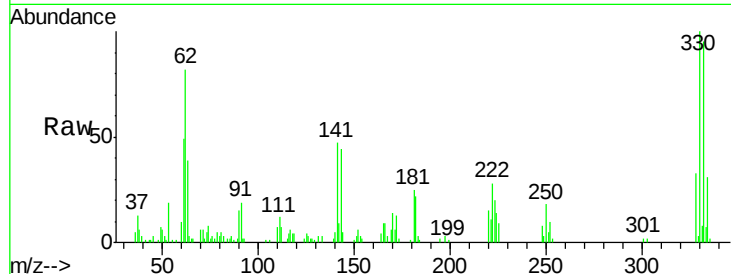
#41
 2,4,6-Tribromophenol
 Concen: 22.25 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	34368		
332	95.1	77.4	116.2	
141	39.9	34.1	51.1	

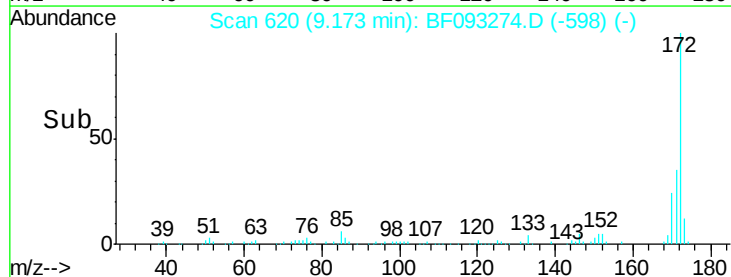
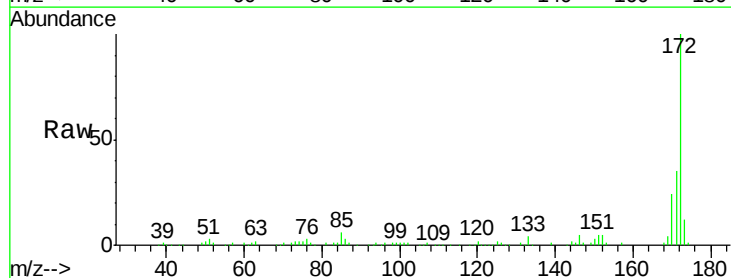
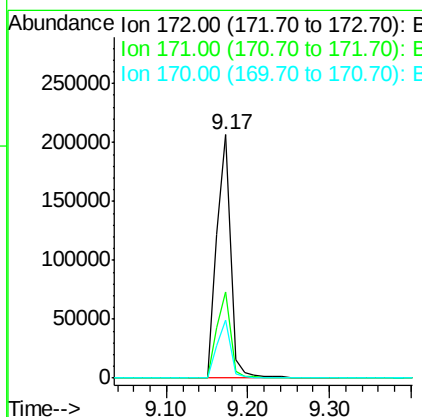
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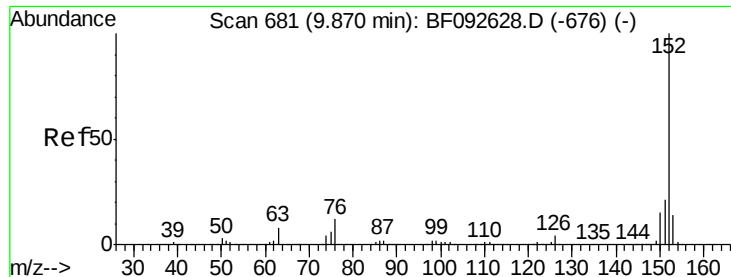
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#44
 2-Fluorobiphenyl
 Concen: 20.83 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	245530		
171	35.4	29.4	44.0	
170	23.8	20.2	30.4	





#48

Acenaphthylene

Concen: 2.04 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.05 min

Lab File: BF093274.D

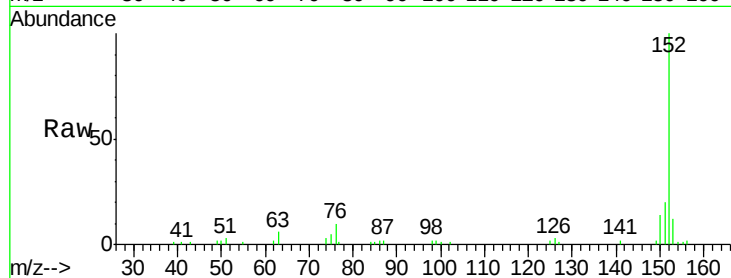
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Instrument :

BNA_F

ClientSampleId :

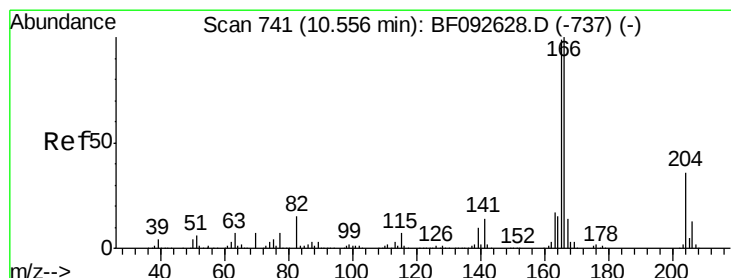
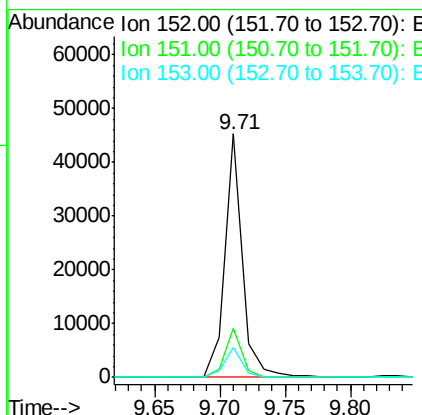
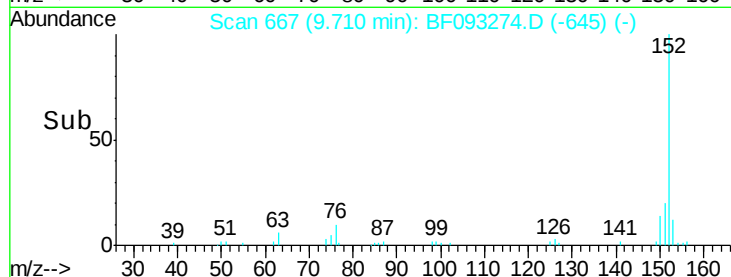
E2B21-WESTSW-2DL



Tgt Ion:	152	Resp:	42607
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.9	25.3
153	12.0	11.4	17.2

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#57

Fluorene

Concen: 2.16 ng

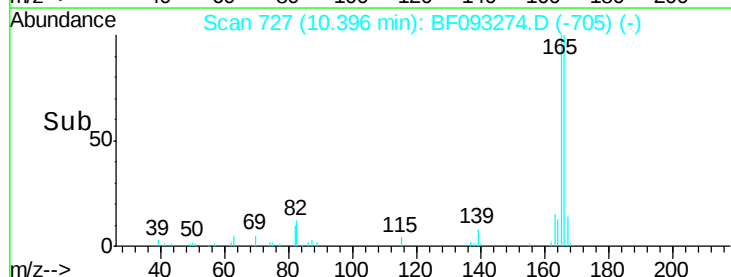
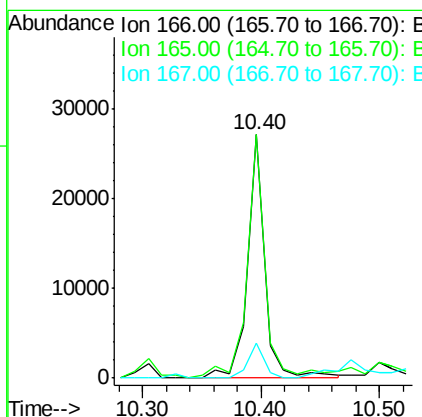
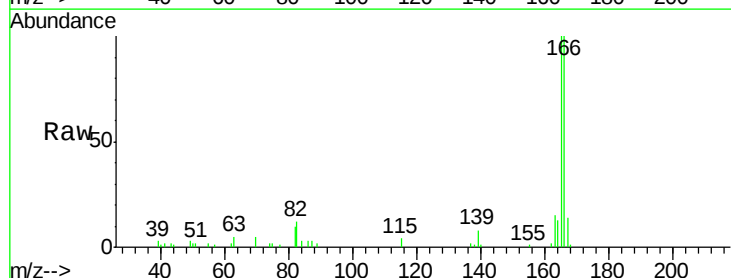
RT: 10.40 min Scan# 727

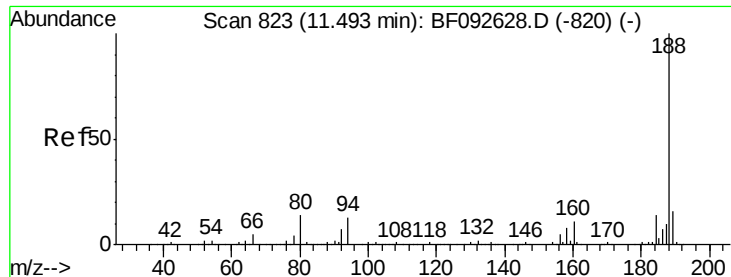
Delta R.T. -0.05 min

Lab File: BF093274.D

Acq: 1 Mar 2017 5:30

Tgt Ion:	166	Resp:	27723
Ion Ratio	Lower	Upper	
166	100		
165	100.1	77.8	116.8
167	14.1	10.8	16.2





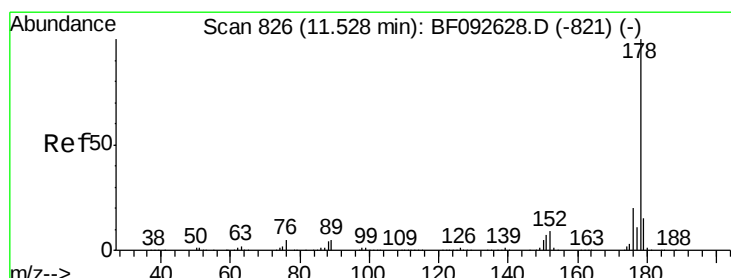
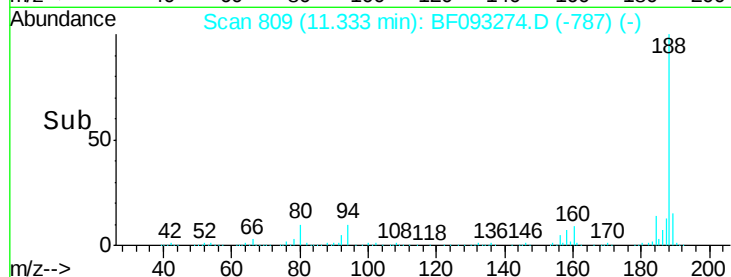
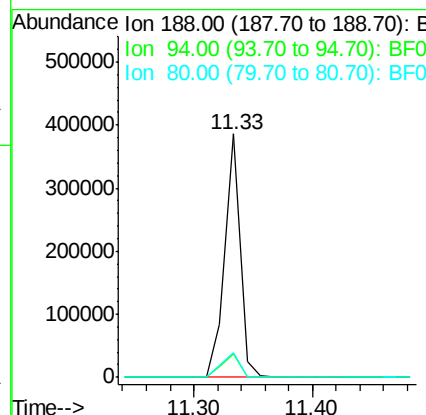
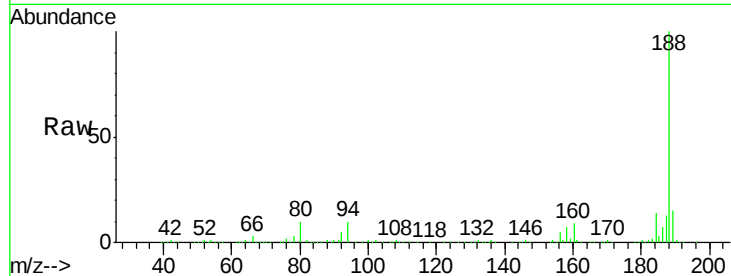
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	342871		
94	9.7	10.0	15.0#	
80	9.9	11.2	16.8#	

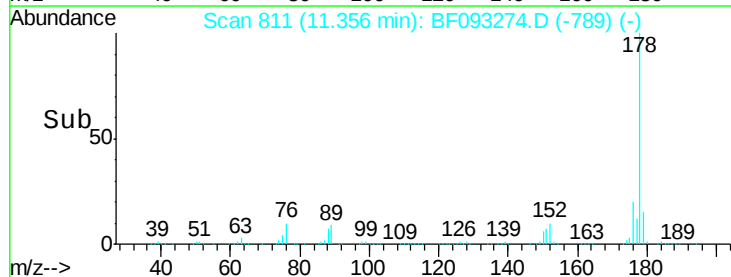
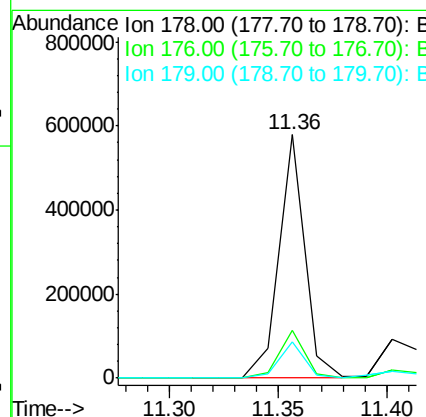
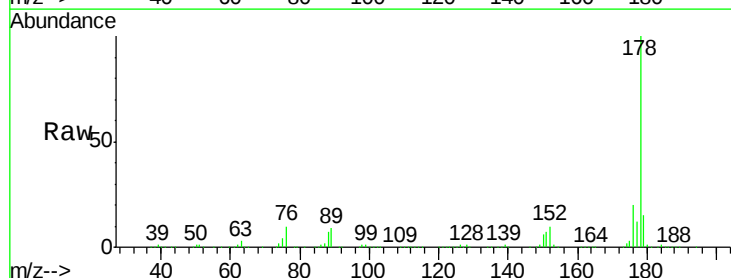
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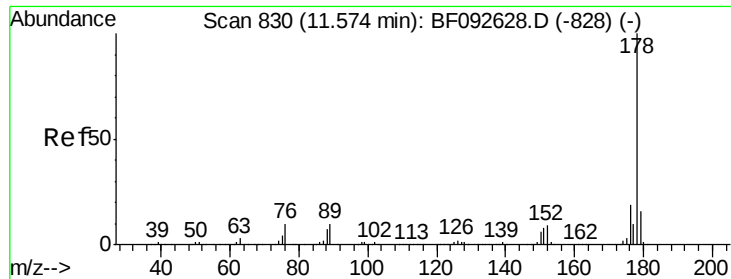
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#70
Phenanthrene
Concen: 24.70 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	485223		
176	19.7	16.6	25.0	
179	15.1	12.8	19.2	





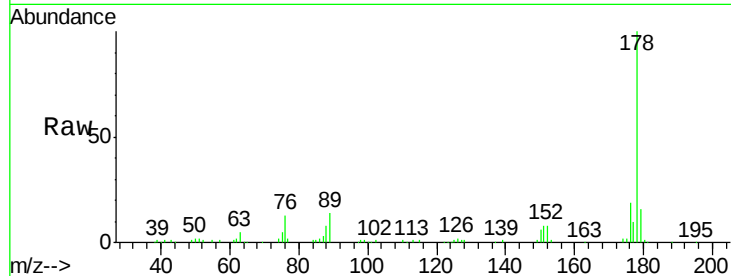
#71
 Anthracene
 Concen: 6.10 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.06 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

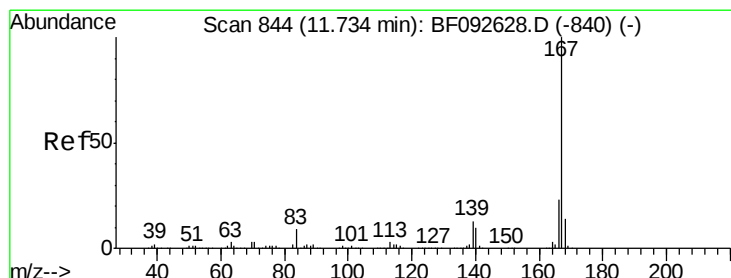
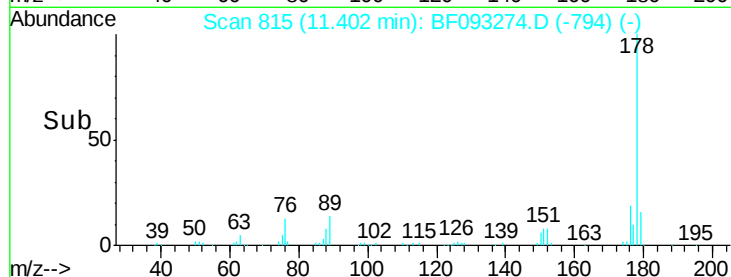
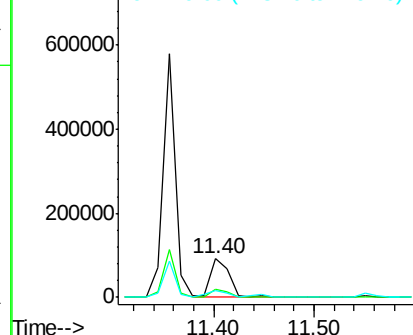
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	16.4	13.2	19.8

Manual Integrations
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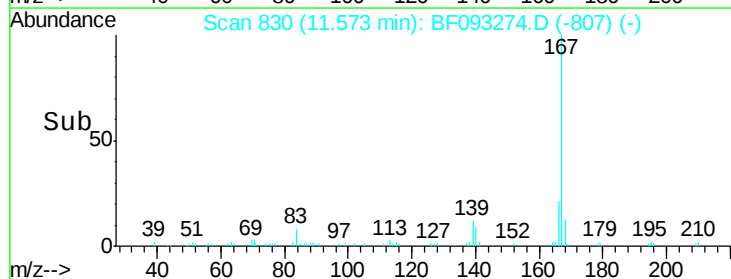
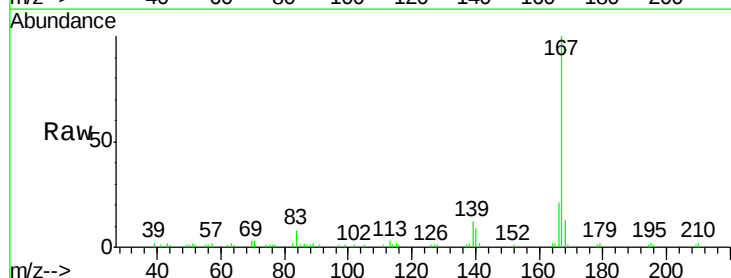
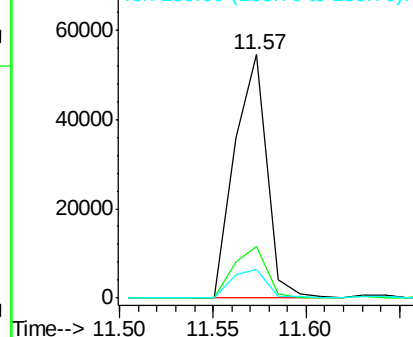
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

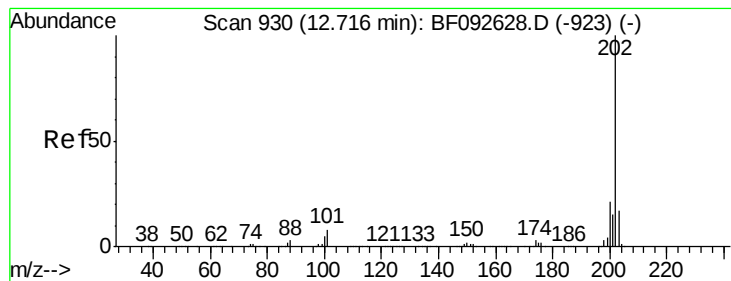


#72
 Carbazole
 Concen: 3.48 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.2	27.2
139	11.6	11.4	17.2

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.08 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093274.D

Acq: 1 Mar 2017 5:30

Instrument :

BNA_F

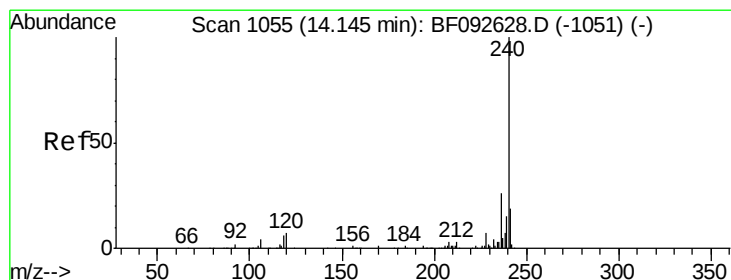
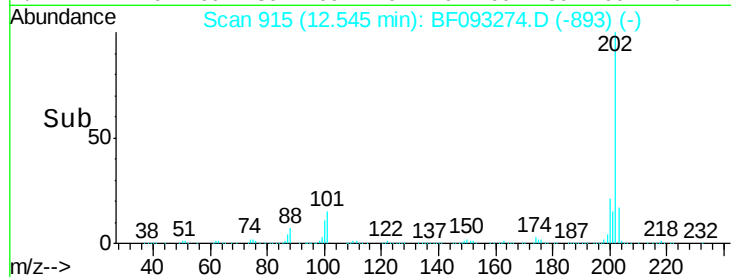
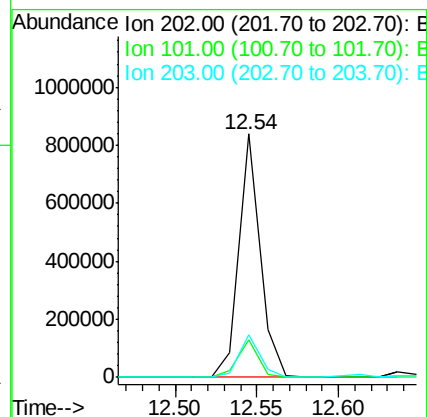
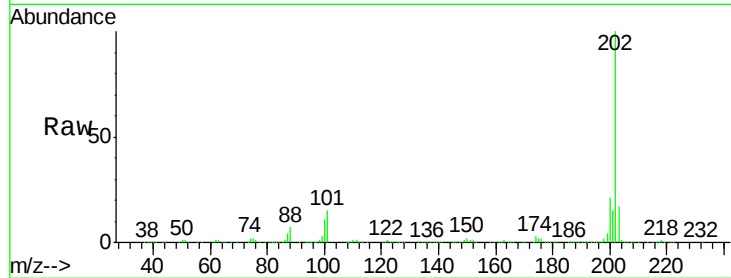
ClientSampleId :

E2B21-WESTSW-2DL

Tgt	Ion	202	Resp:	751244
Ion	Ratio	Lower	Upper	
202	100			
101	15.2	0.0	34.6	
203	17.5	0.0	38.7	

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#75

Chrysene-d12

Concen: 20.00 ng

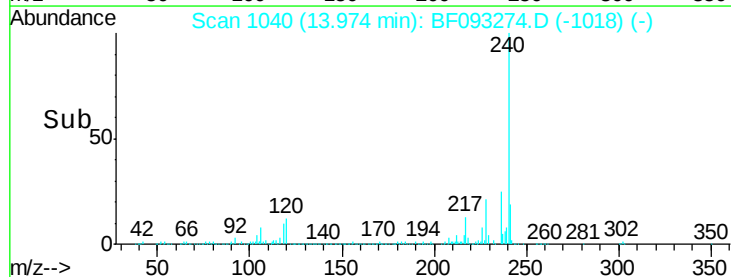
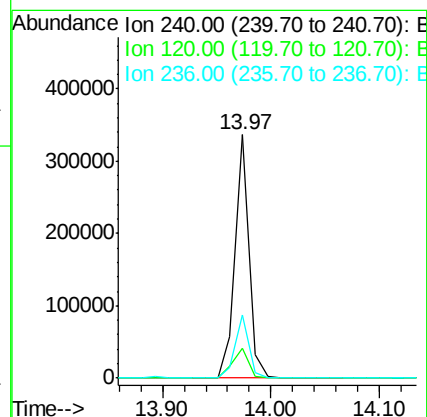
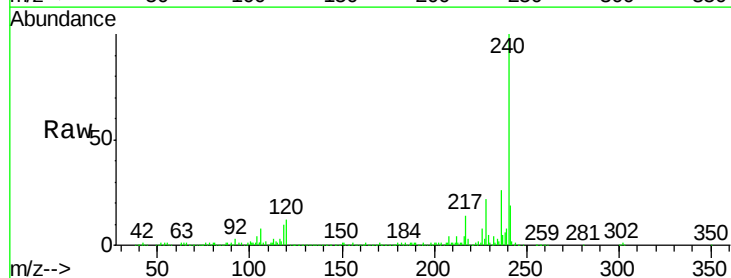
RT: 13.97 min Scan# 1040

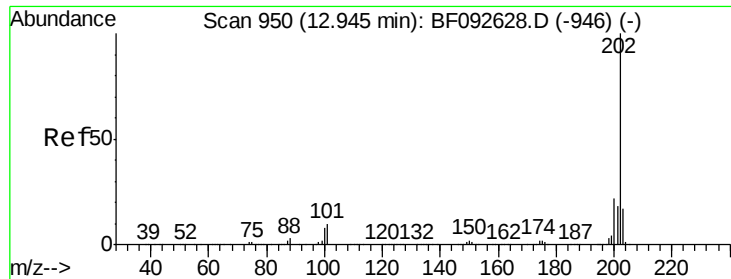
Delta R.T. -0.05 min

Lab File: BF093274.D

Acq: 1 Mar 2017 5:30

Tgt	Ion	240	Resp:	297969
Ion	Ratio	Lower	Upper	
240	100			
120	12.5	12.9	19.3#	
236	26.2	20.9	31.3	





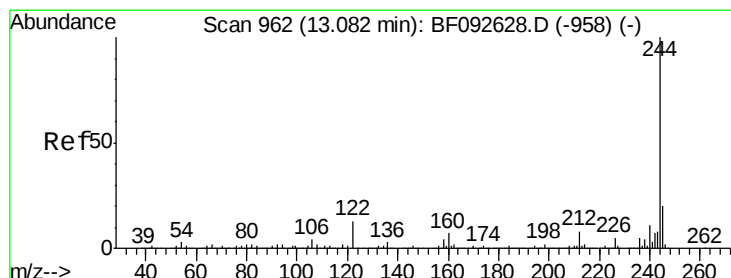
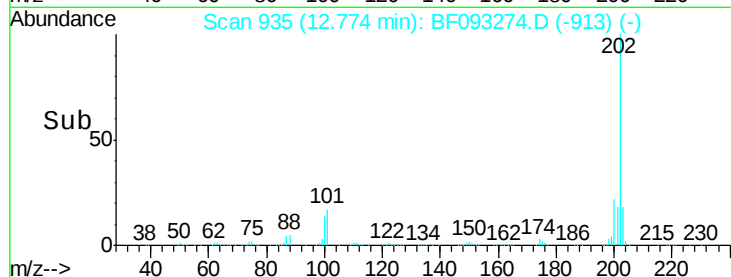
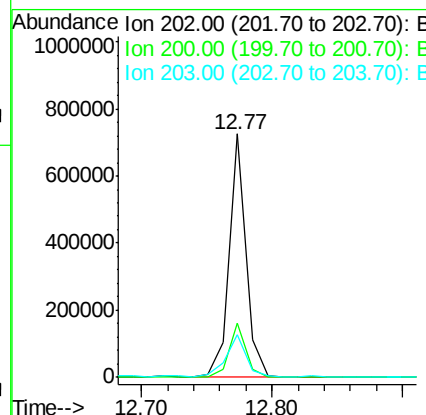
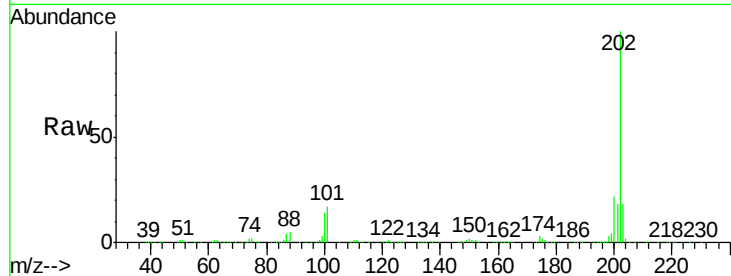
#77
 Pyrene
 Concen: 29.45 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.05 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.7	14.7	22.1

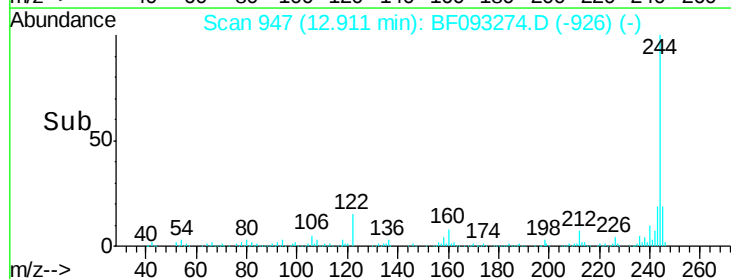
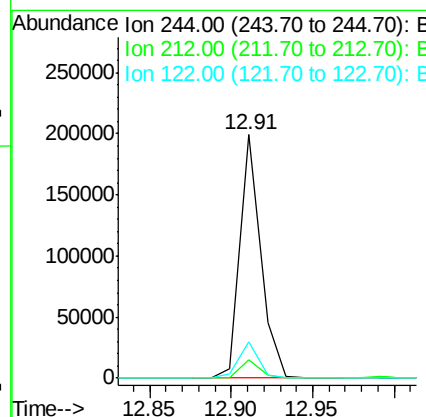
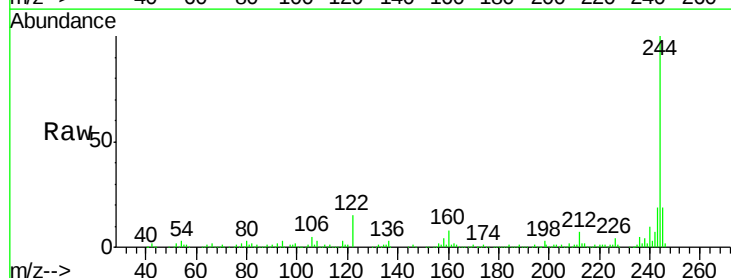
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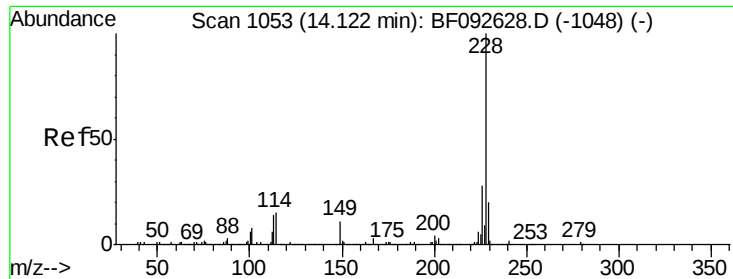
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#78
 Terphenyl-d14
 Concen: 13.76 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	14.8	11.4	17.2





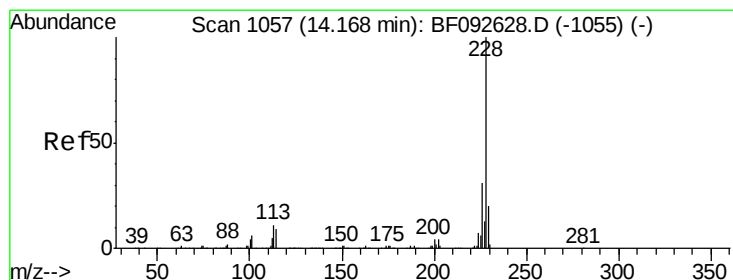
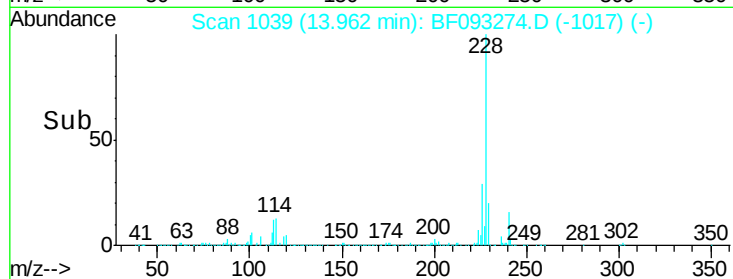
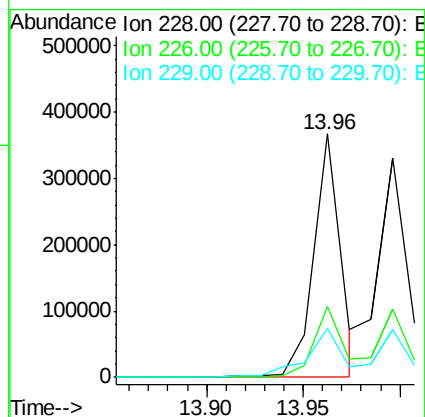
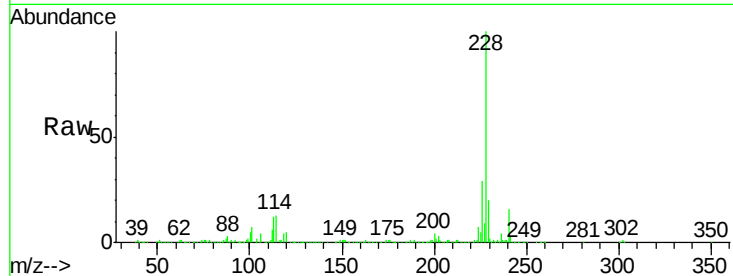
#80
Benzo(a)anthracene
Concen: 19.29 ng m
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.4	33.6
229	20.0	16.2	24.4

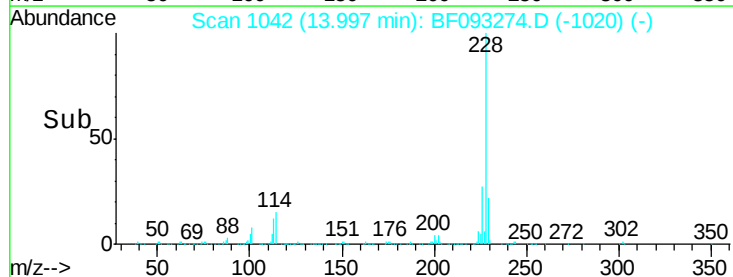
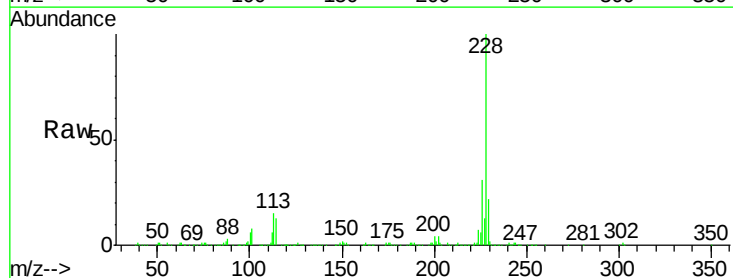
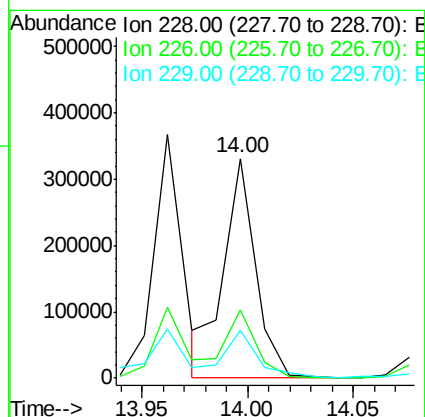
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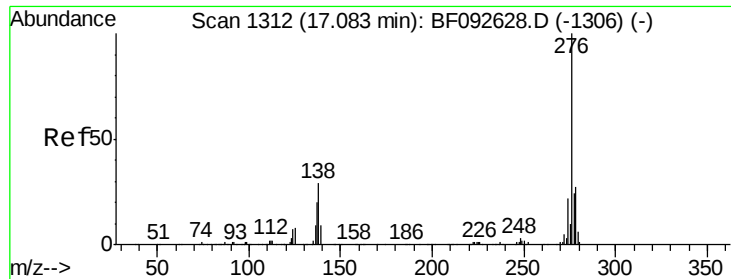
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#82
Chrysene
Concen: 20.17 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	21.9	16.2	24.2





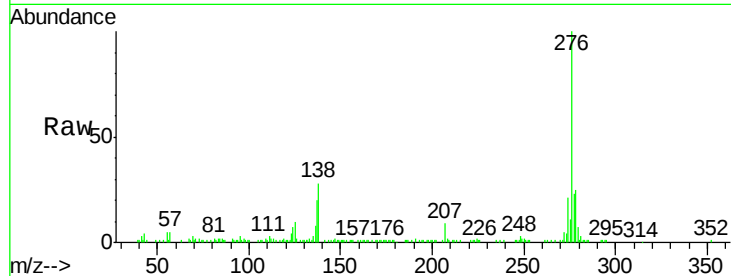
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.43 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. -0.07 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

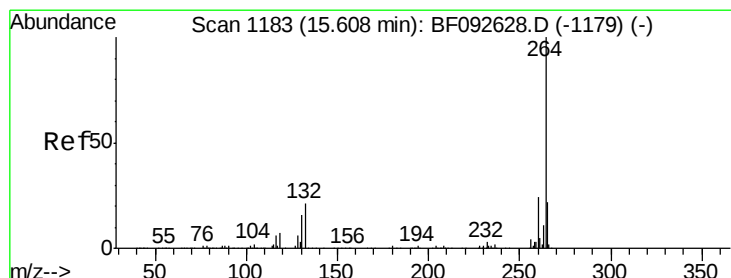
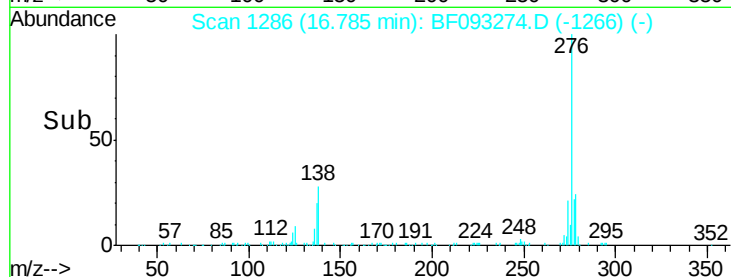
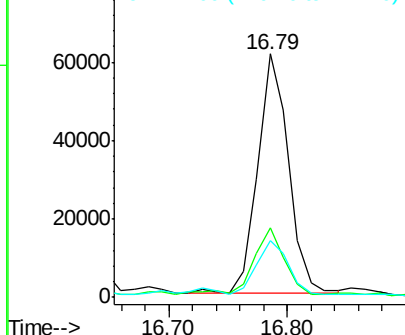
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	21.8	32.6
277	24.8	20.2	30.4

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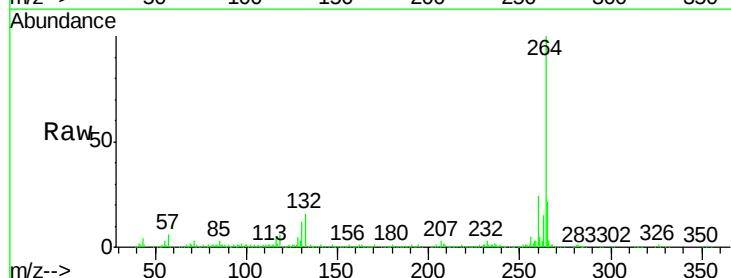


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

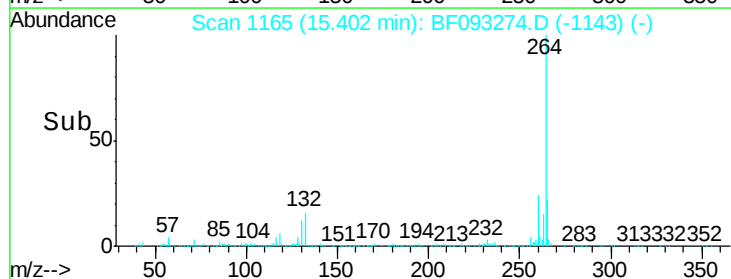
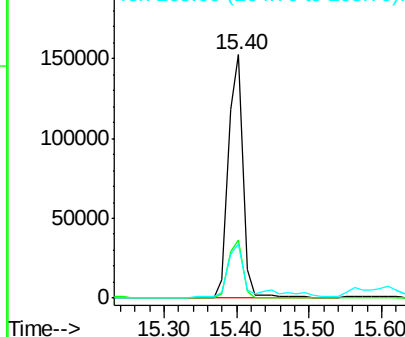


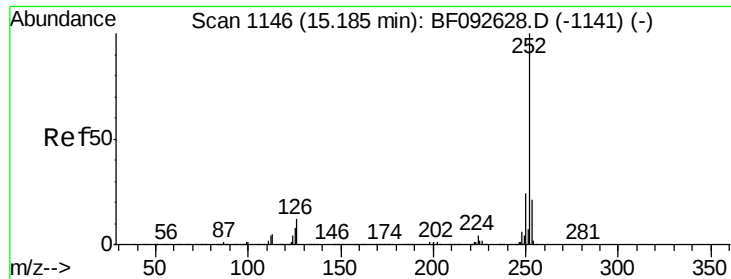
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





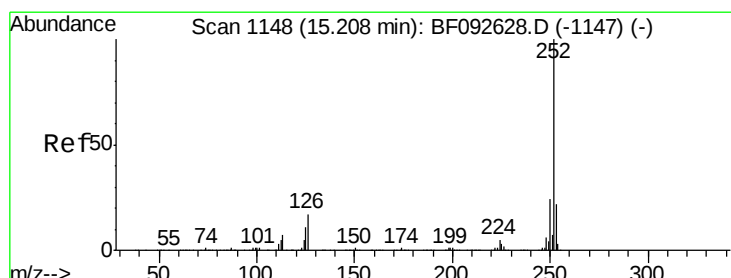
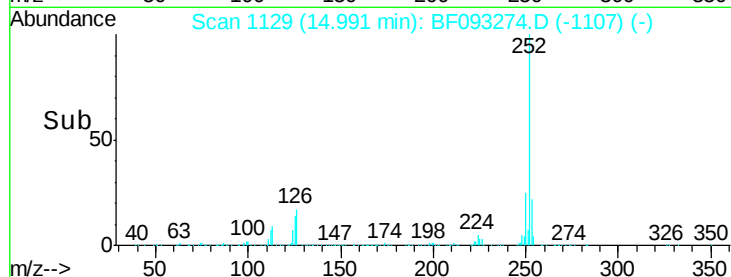
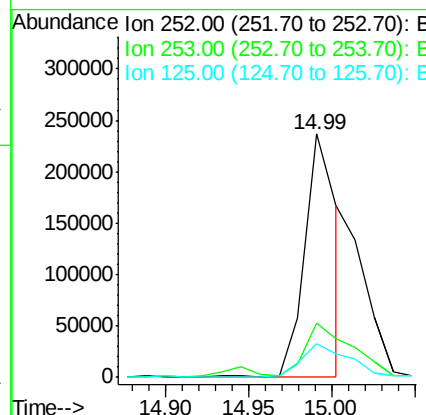
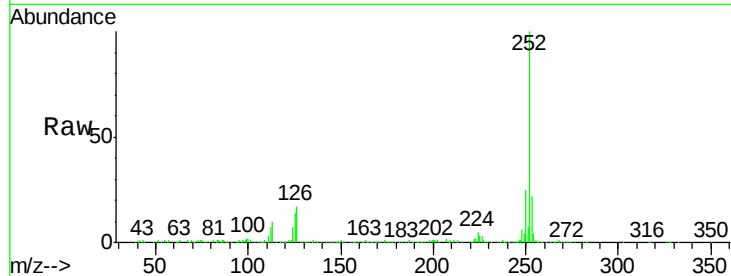
#87
Benzo(b)fluoranthene
Concen: 22.74 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	13.8	9.8	14.6

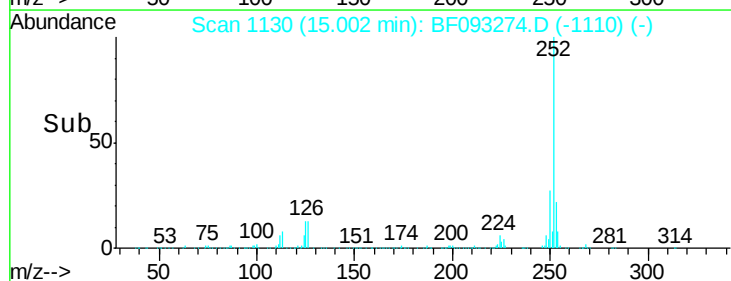
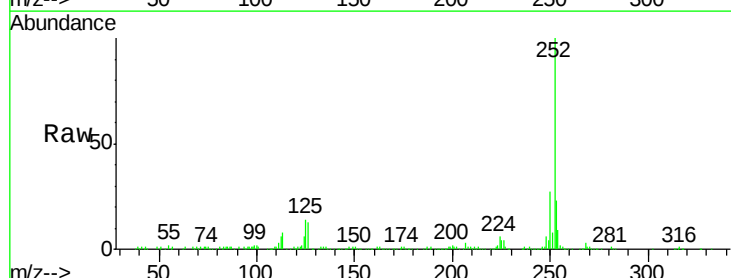
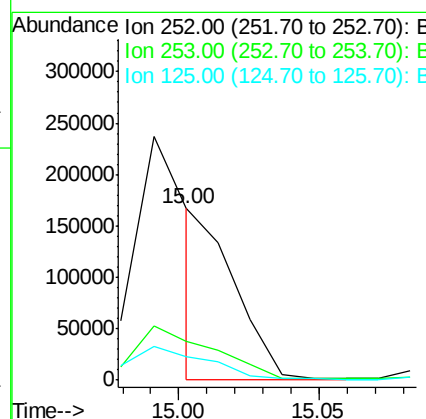
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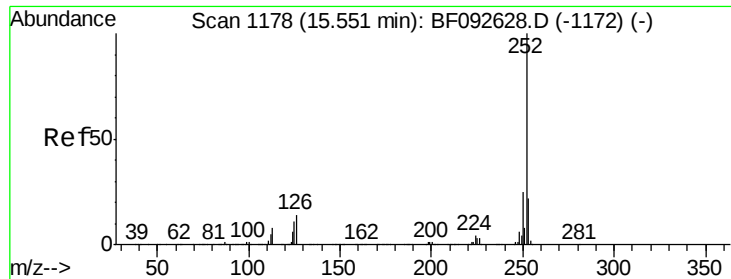
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#88
Benzo(k)fluoranthene
Concen: 11.31 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	13.6	8.9	13.3#





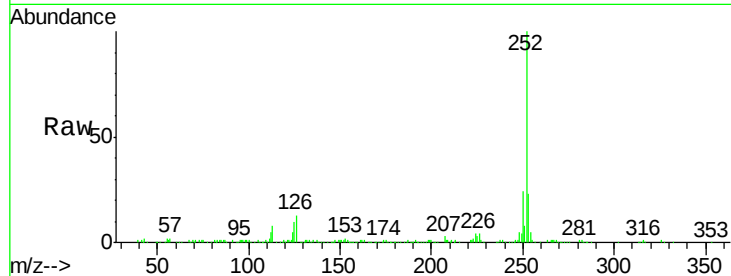
#89
Benzo(a)pyrene
Concen: 17.25 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Instrument :
BNA_F
ClientSampleId :
E2B21-WESTSW-2DL

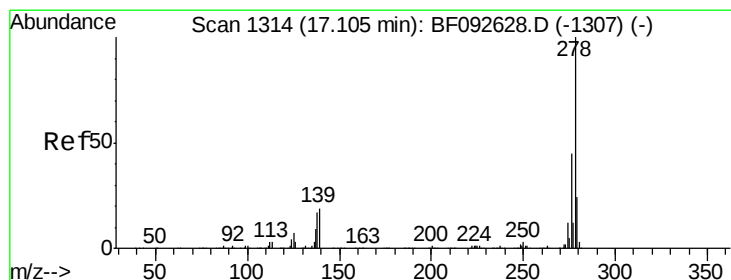
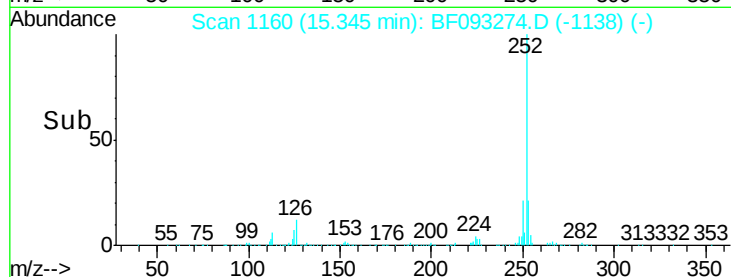
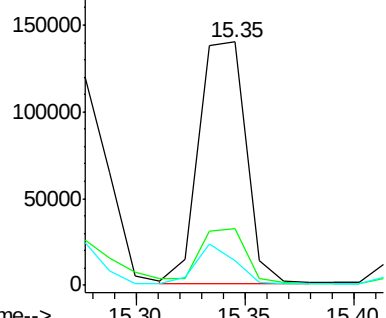
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	210331		
253	23.2	18.2	27.2	
125	10.3	10.0	15.0	

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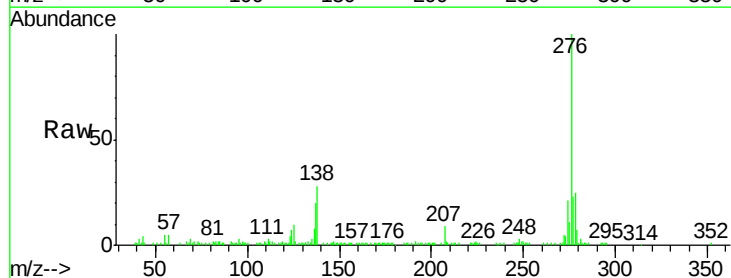


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

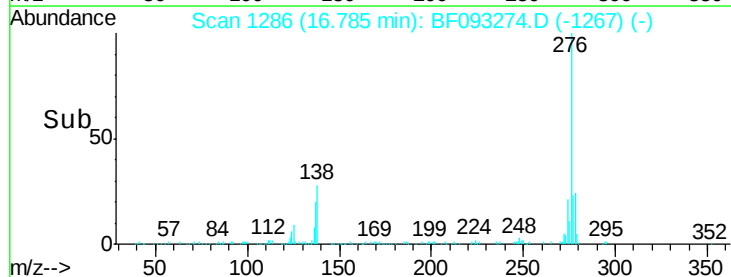
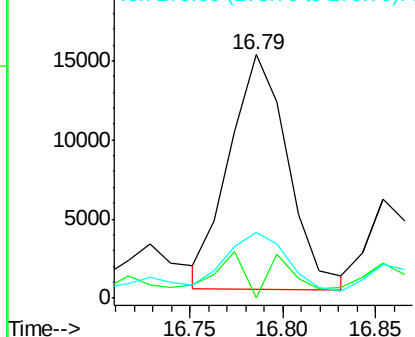


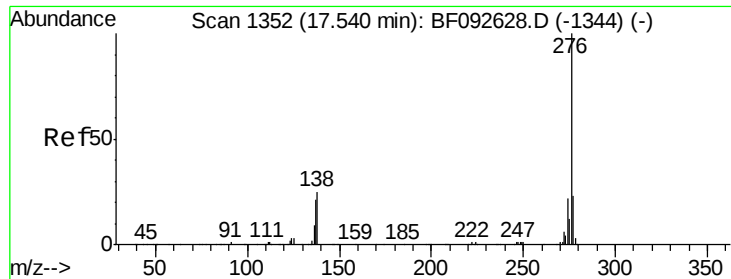
#90
Dibenzo(a,h)anthracene
Concen: 3.32 ng m
RT: 16.79 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF093274.D
Acq: 1 Mar 2017 5:30

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	32691		
139	0.0	14.8	22.2#	
279	26.9	19.8	29.6	



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





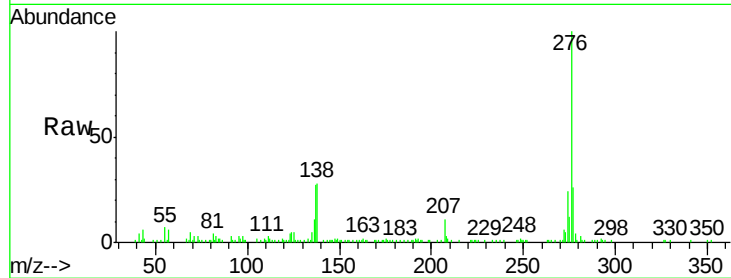
#91
 Benzo(g,h,i)perylene
 Concen: 9.87 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF093274.D
 Acq: 1 Mar 2017 5:30

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-WESTSW-2DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.2	28.8
138	28.5	16.0	24.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

