

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093279.D
 Acq On : 1 Mar 2017 7:49
 Operator : SJ/MA
 Sample : I1972-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-2

Manual Integrations
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Quant Time: Mar 01 09:58:40 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	123661	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	454767	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	182400	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	303783	20.00	ng	-0.05
75) Chrysene-d12	13.99	240	237130	20.00	ng	-0.03
86) Perylene-d12	15.43	264	143114	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	123702	17.16	ng	-0.03
7) Phenol-d6	6.48	99	150169	16.19	ng	-0.01
23) Nitrobenzene-d5	7.38	82	82240	10.07	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	19499	14.78	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	160880	15.98	ng	-0.05
78) Terphenyl-d14	12.92	244	124755	12.36	ng	-0.05
Target Compounds						
48) Acenaphthylene	9.71	152	41450	2.32	ng	Qvalue 99
70) Phenanthrene	11.36	178	100680	5.78	ng	98
71) Anthracene	11.41	178	39852m	2.28	ng	
74) Fluoranthene	12.56	202	117362	6.54	ng	94
77) Pyrene	12.79	202	201427	11.35	ng	99
80) Benzo(a)anthracene	13.97	228	69331m	4.78	ng	
82) Chrysene	14.01	228	65931m	4.86	ng	
85) Indeno(1,2,3-cd)pyrene	16.83	276	38680	3.68	ng	96
87) Benzo(b)fluoranthene	15.01	252	64774m	6.88	ng	
89) Benzo(a)pyrene	15.36	252	63249	7.76	ng	# 66
91) Benzo(g,h,i)perylene	17.27	276	62797	9.44	ng	# 80

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

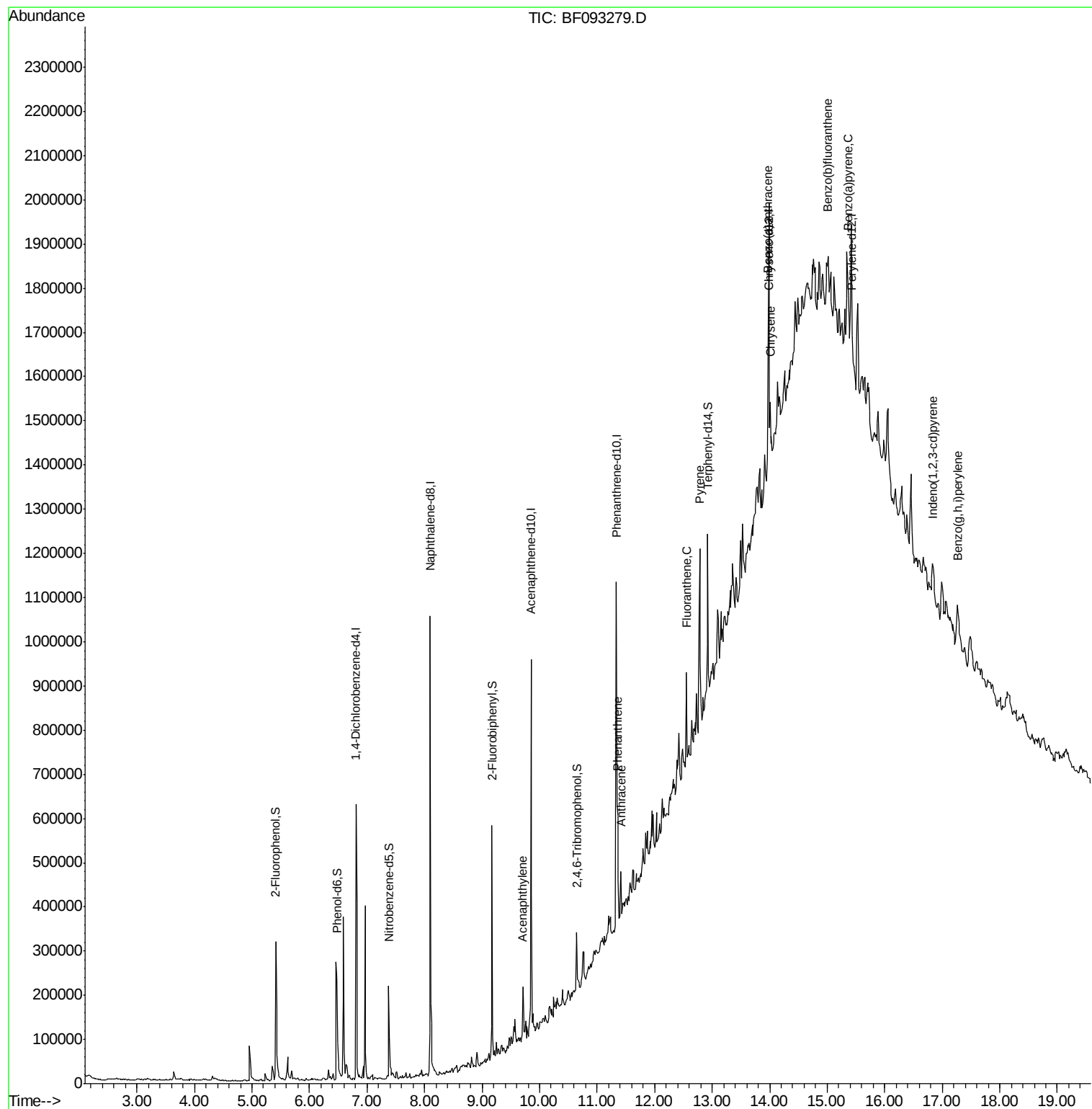
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093279.D
Acq On : 1 Mar 2017 7:49
Operator : SJ/MA
Sample : I1972-05
Misc :
ALS Vial : 40 Sample Multiplier: 1

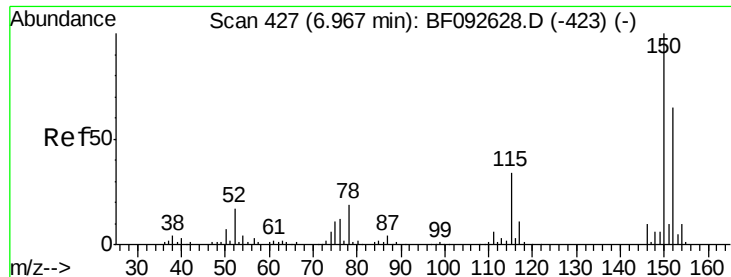
Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

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Quant Time: Mar 01 09:58:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

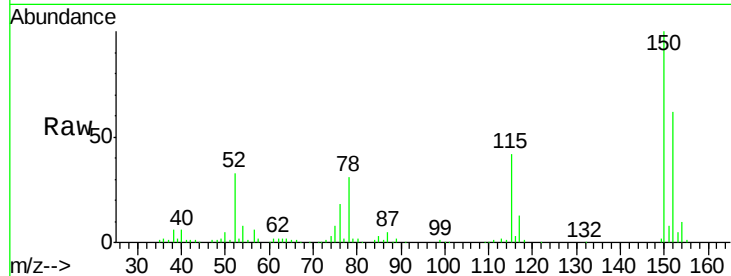
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

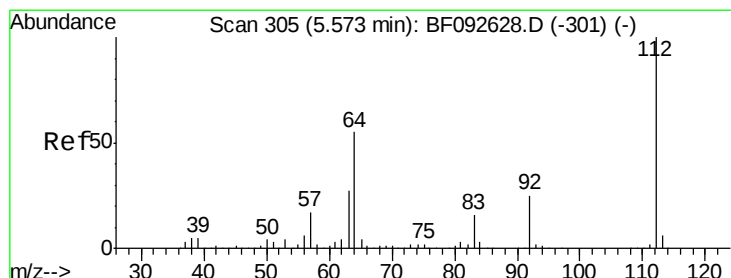
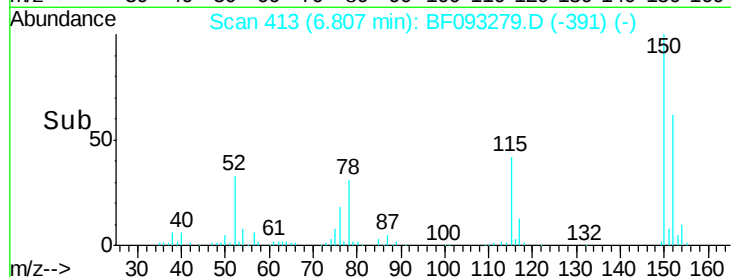
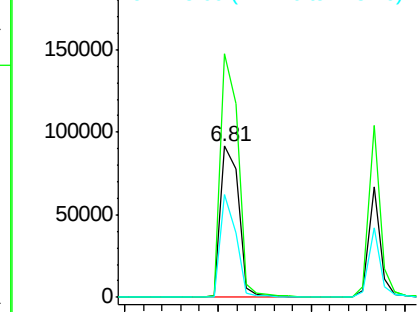
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	123661		
150	161.1	124.9	187.3	
115	68.2	46.0	69.0	

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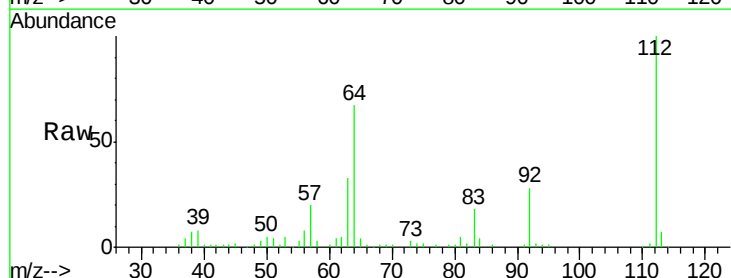
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



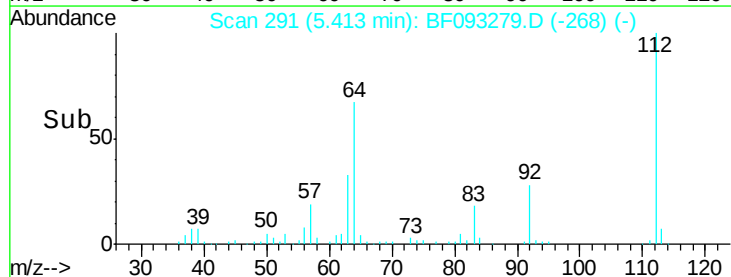
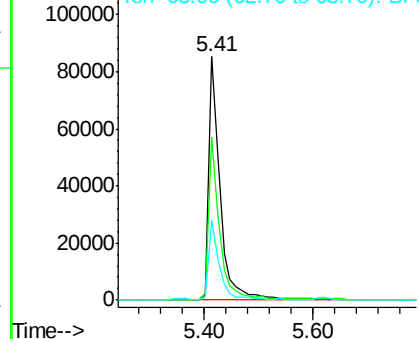
#5

2-Fluorophenol
Concen: 17.16 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	123702		
64	66.8	46.1	69.1	
63	32.8	23.8	35.6	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.19 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

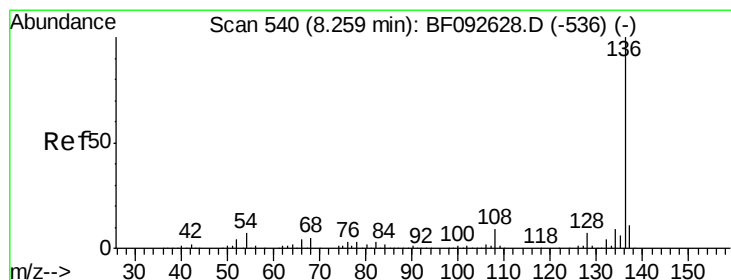
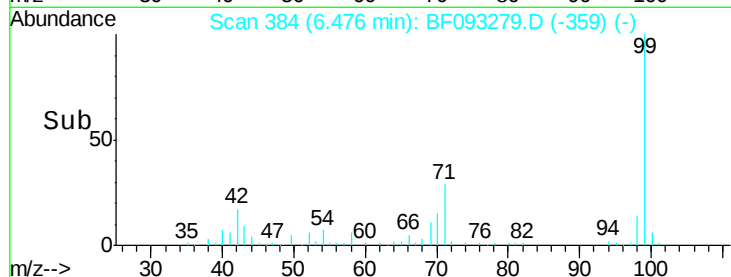
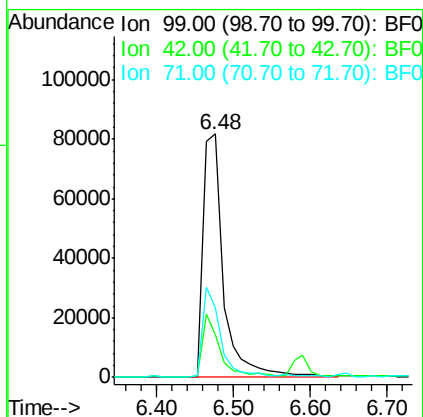
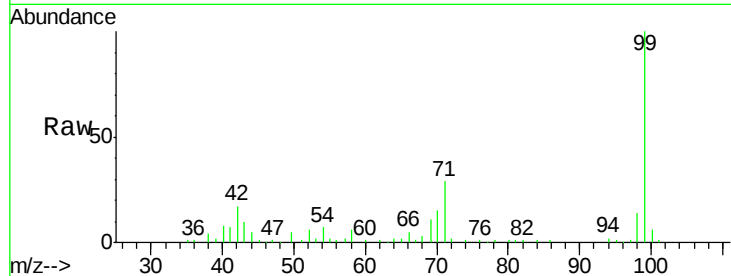
ClientSampleId :

E2B21-BASE-2

Tgt Ion:	99	Resp:	150169
Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.6	23.4
71	28.7	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

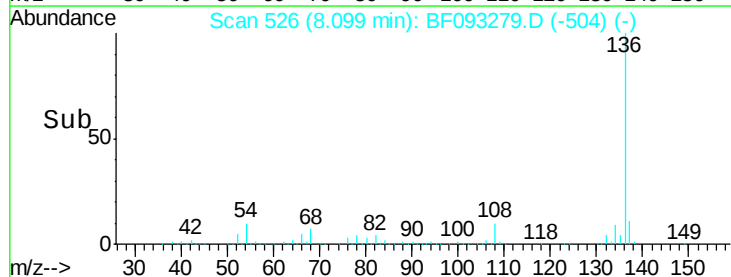
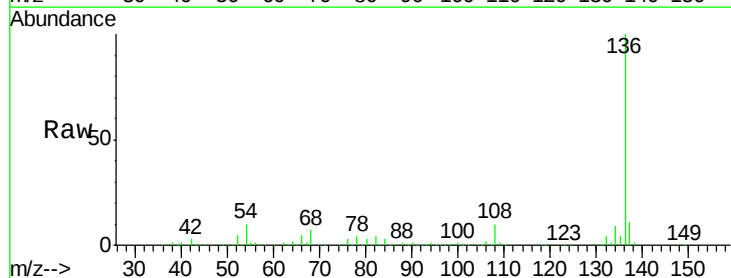
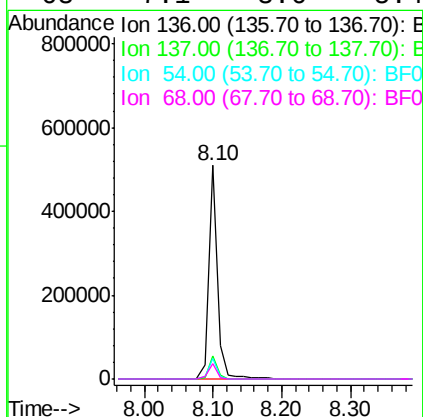
RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Tgt Ion:	136	Resp:	454767
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.9	4.5	6.7#
68	7.1	3.6	5.4#





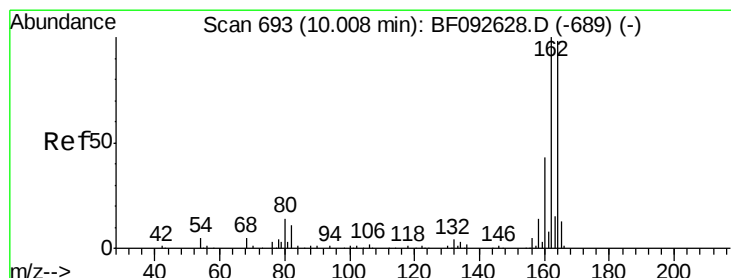
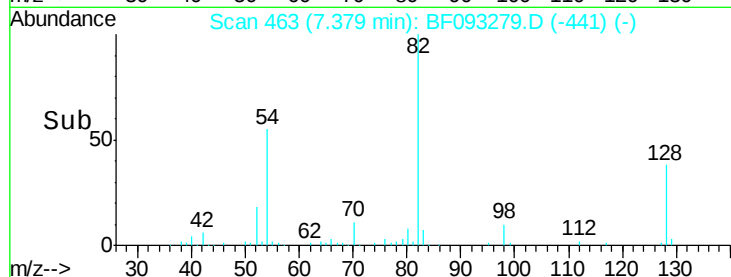
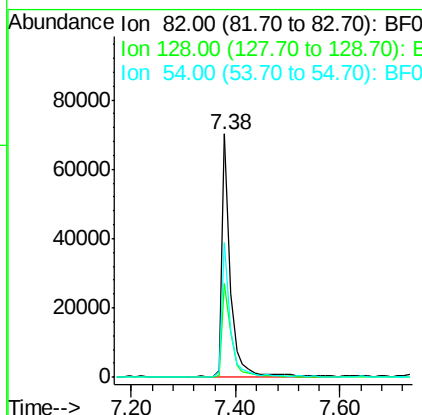
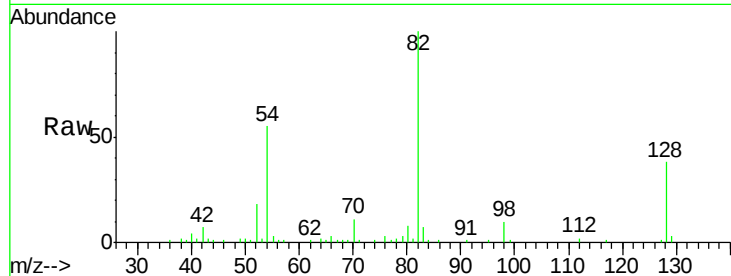
#23
Nitrobenzene-d5
Concen: 10.07 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.4	34.6	52.0
54	55.4	39.5	59.3

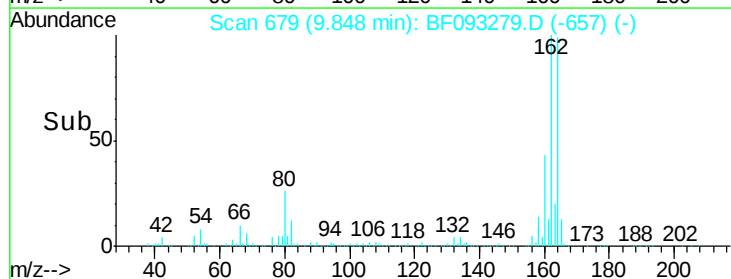
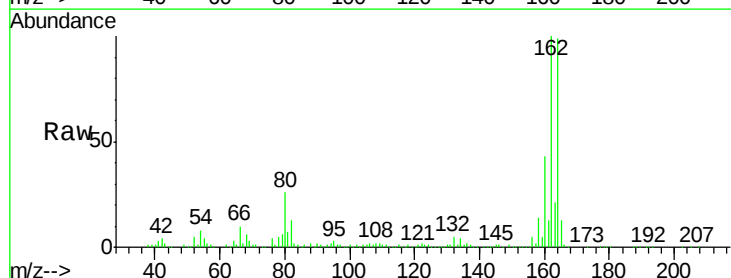
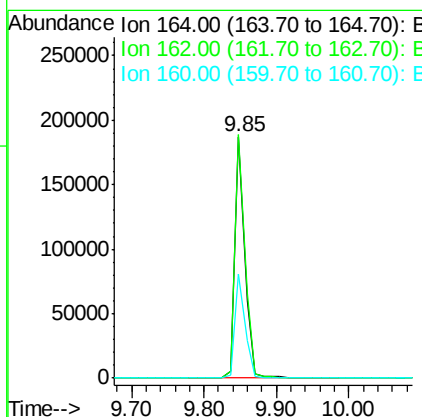
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	43.0	36.9	55.3





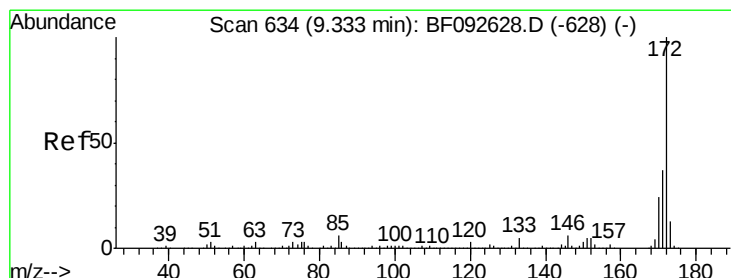
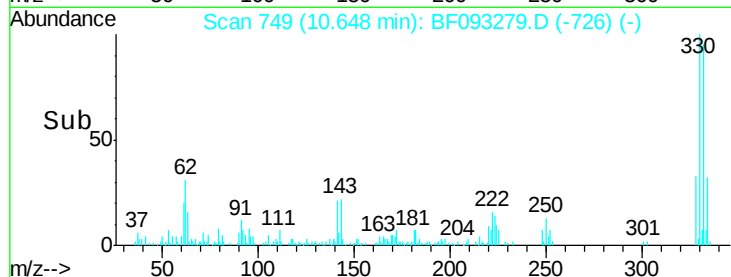
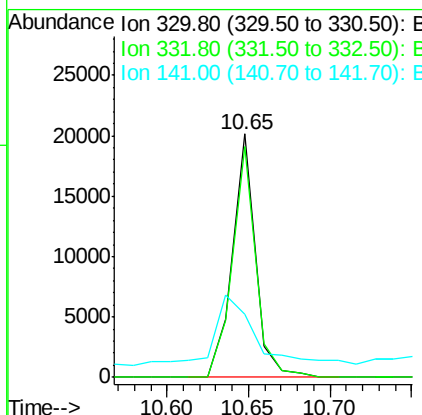
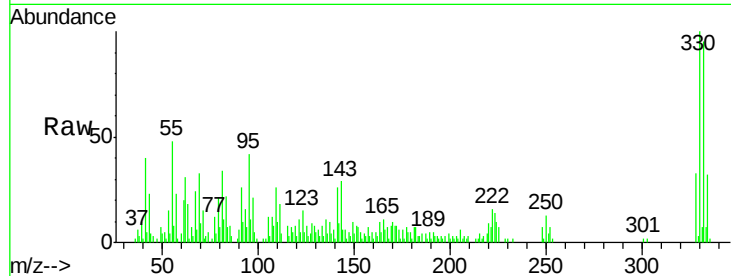
#41
 2,4,6-Tribromophenol
 Concen: 14.78 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	19499		
332	96.9	77.4	116.2	
141	55.0	34.1	51.1#	

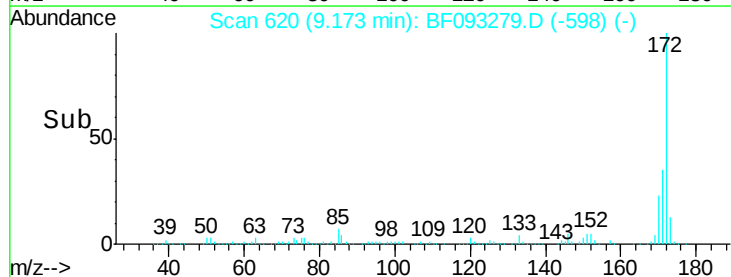
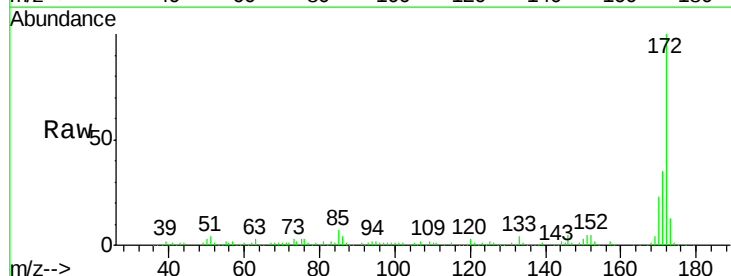
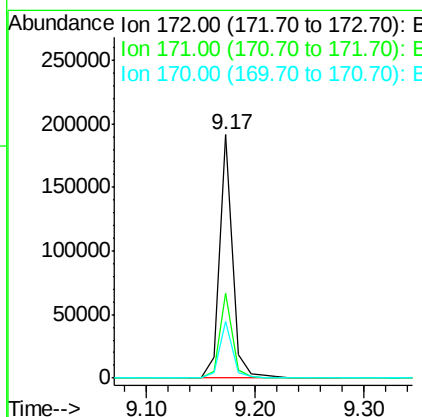
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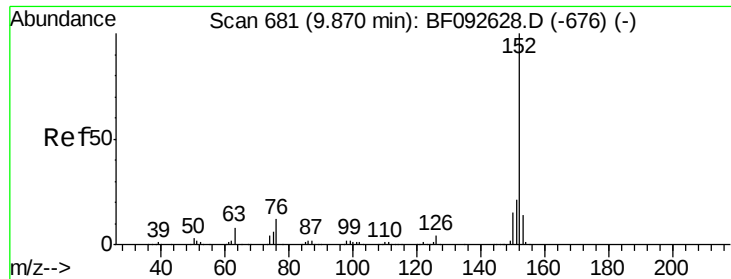
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#44
 2-Fluorobiphenyl
 Concen: 15.98 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	160880		
171	34.7	29.4	44.0	
170	23.2	20.2	30.4	





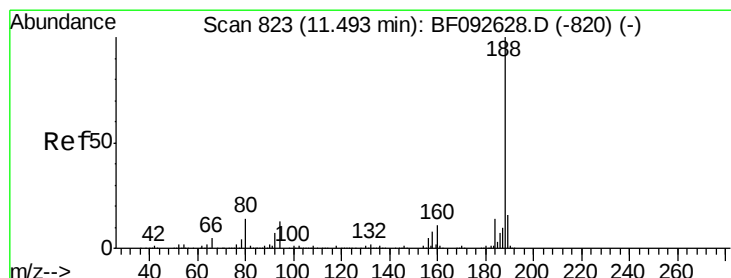
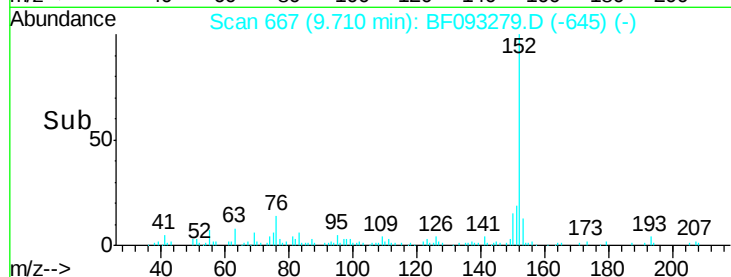
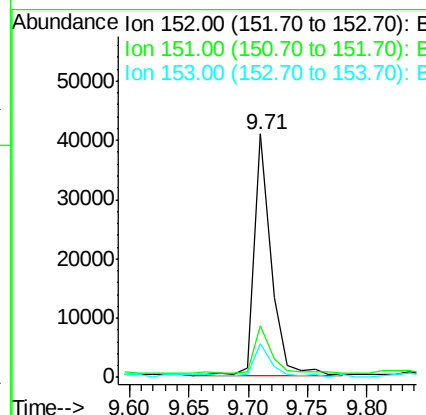
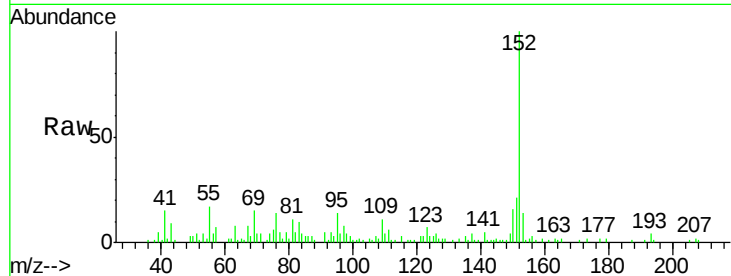
#48
Acenaphthylene
Concen: 2.32 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	41450		
151	21.0		16.9	25.3
153	13.9		11.4	17.2

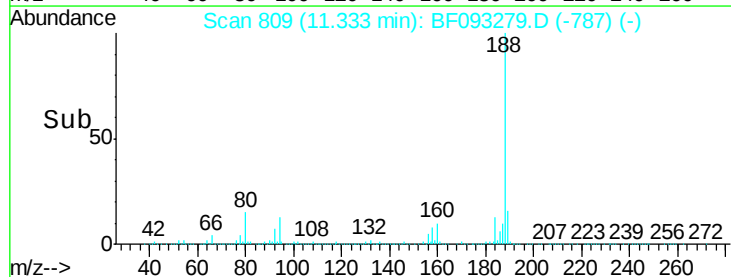
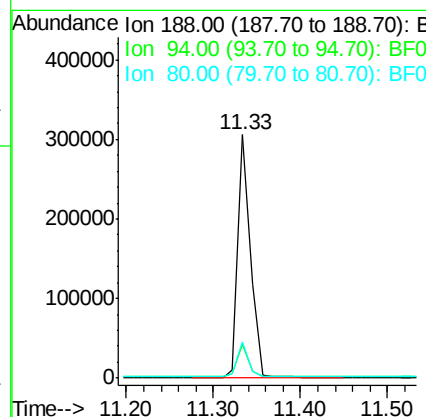
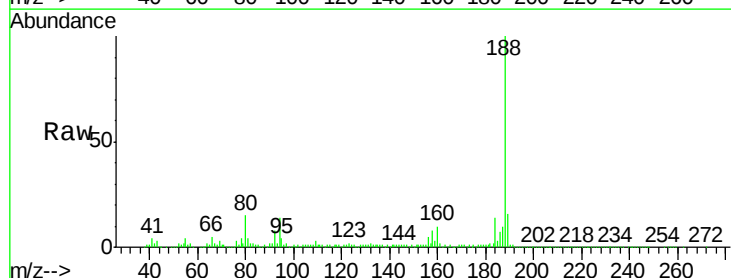
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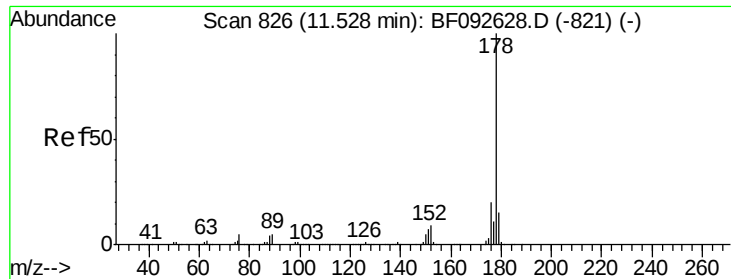
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	303783		
94	13.6		10.0	15.0
80	15.1		11.2	16.8





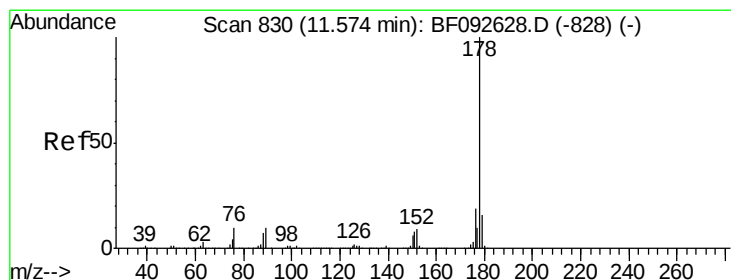
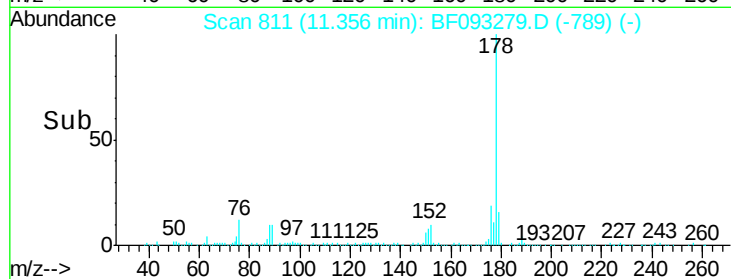
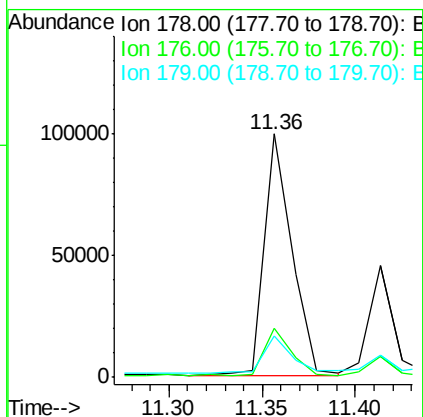
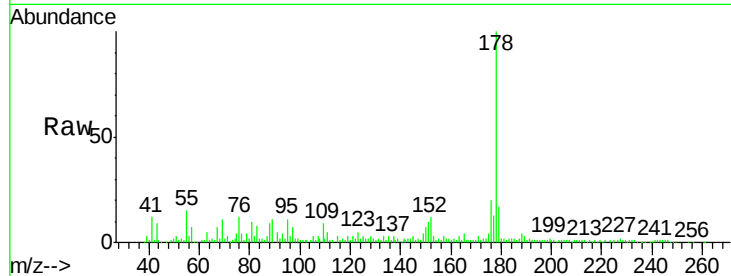
#70
Phenanthrene
Concen: 5.78 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.6	25.0
179	17.0	12.8	19.2

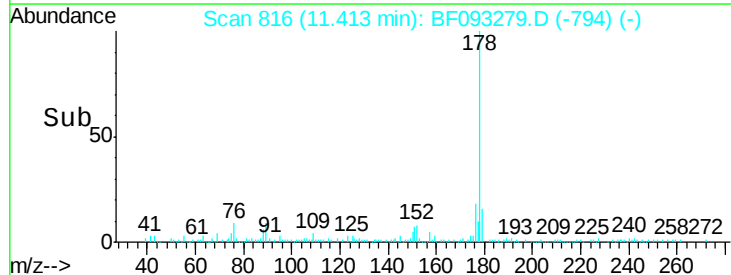
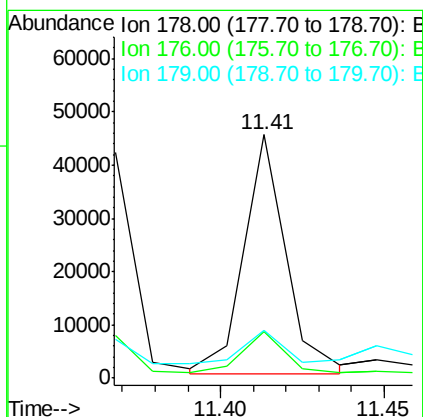
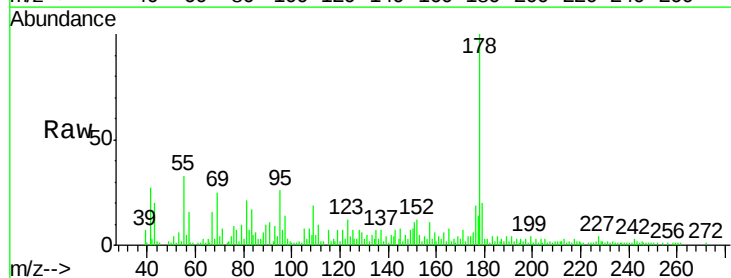
Manual Integrations
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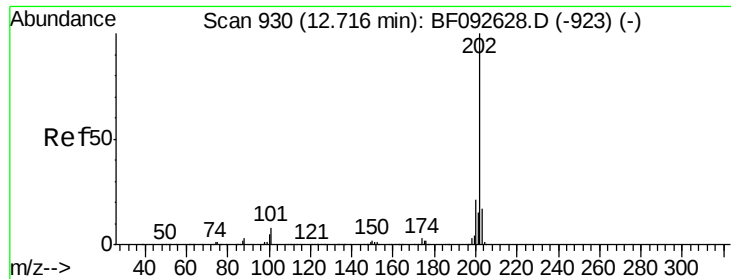
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#71
Anthracene
Concen: 2.28 ng m
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

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





#74

Fluoranthene

Concen: 6.54 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

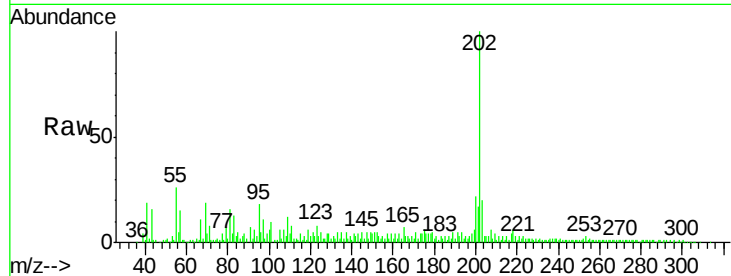
ClientSampleId :

E2B21-BASE-2

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		117362		
101	10.1	0.0	34.6		
203	20.0	0.0	38.7		

Manual Integrations
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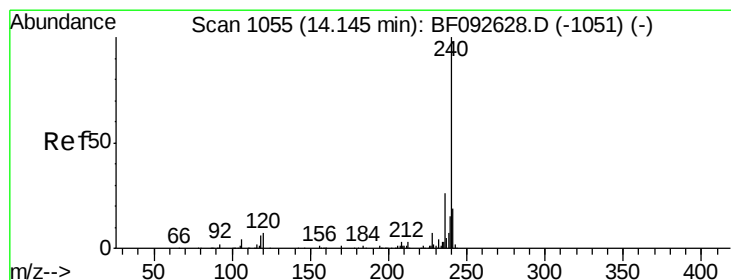
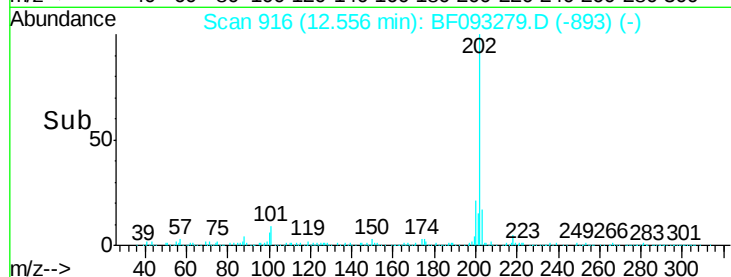
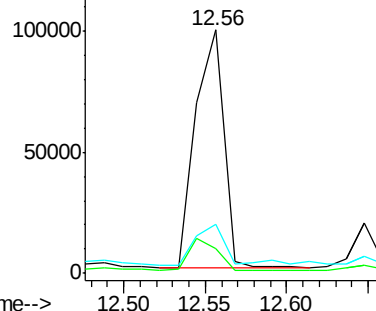
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Abundance Ion 202.00 (201.70 to 202.70): E

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

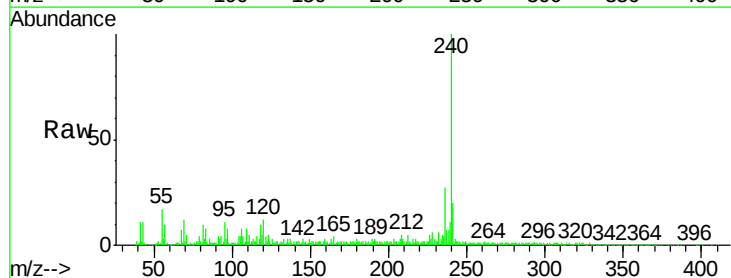
RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

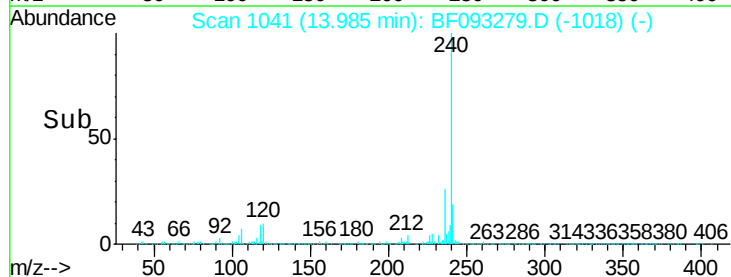
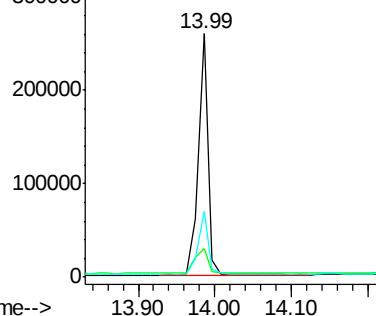
Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		237130		
120	11.7	12.9	19.3#		
236	26.8	20.9	31.3		

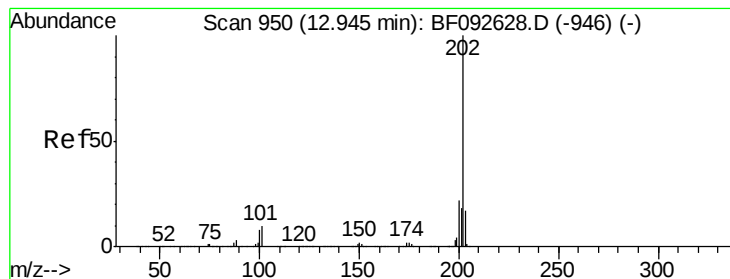


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.35 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

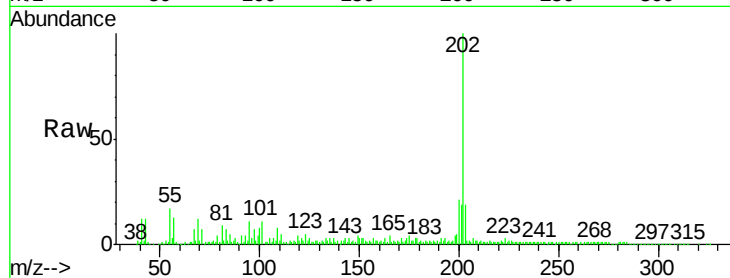
ClientSampleId :

E2B21-BASE-2

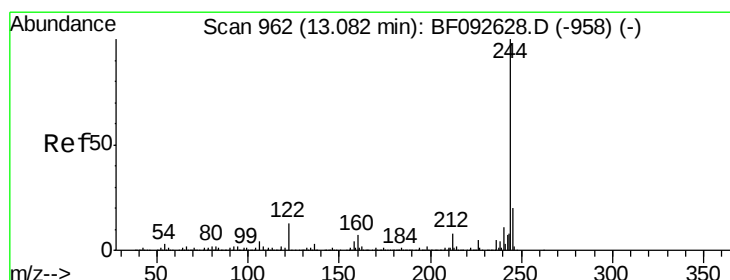
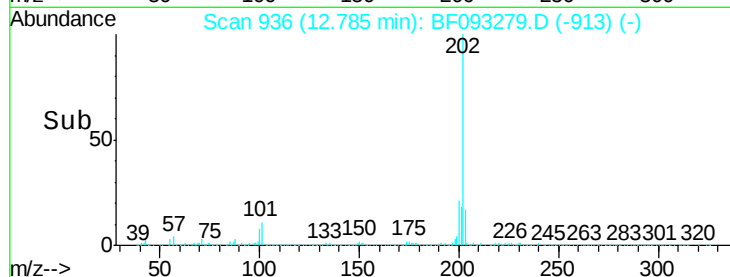
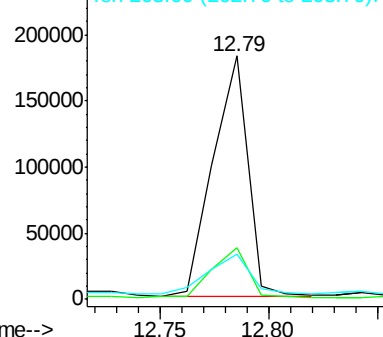
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		201427		
200	21.1	17.7	26.5		
203	18.5	14.7	22.1		

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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: 12.36 ng

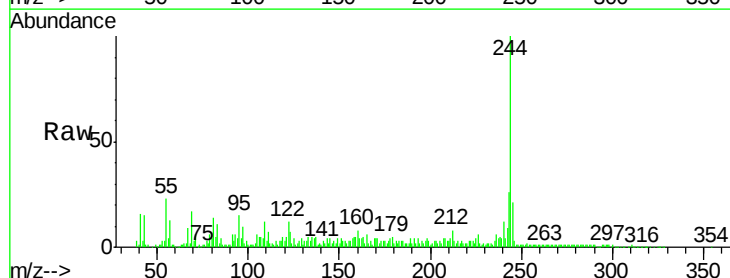
RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

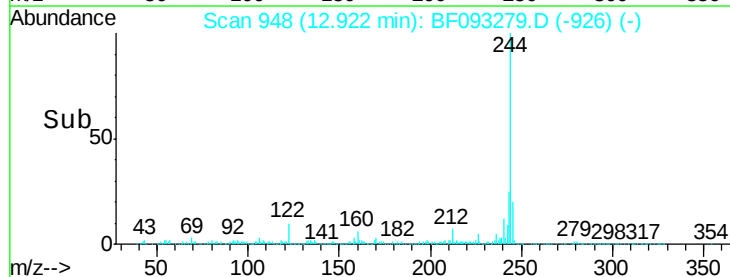
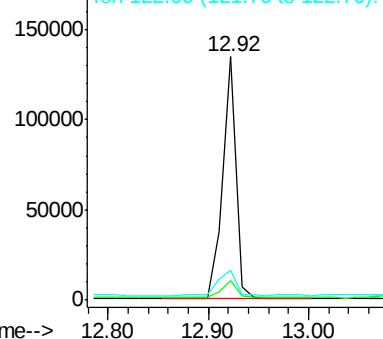
Lab File: BF093279.D

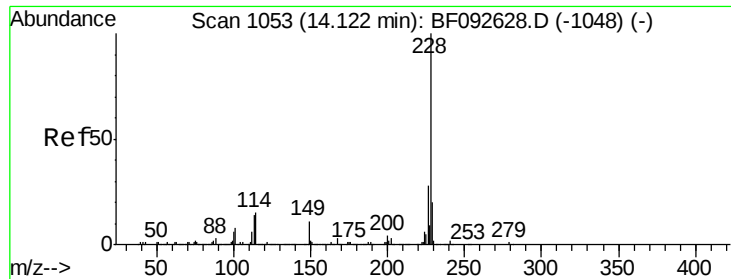
Acq: 1 Mar 2017 7:49

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		124755		
212	7.9	6.2	9.2		
122	12.2	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





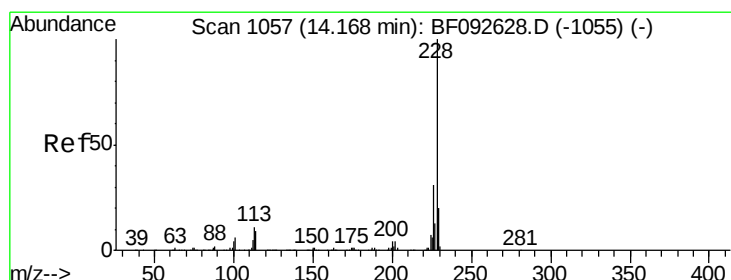
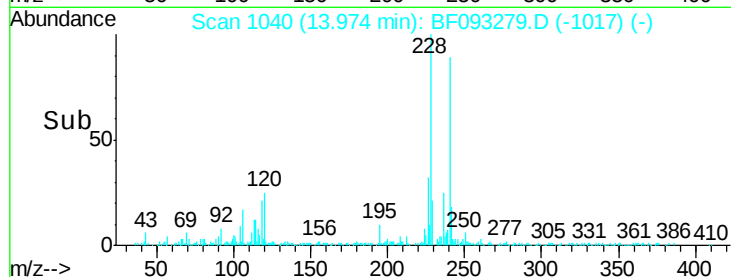
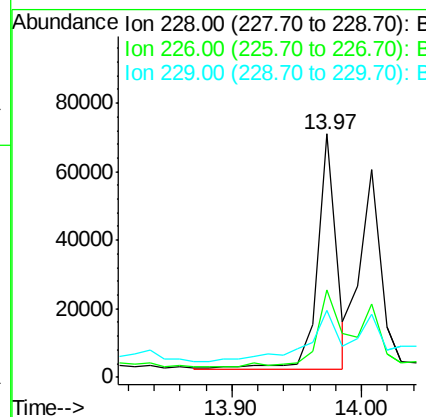
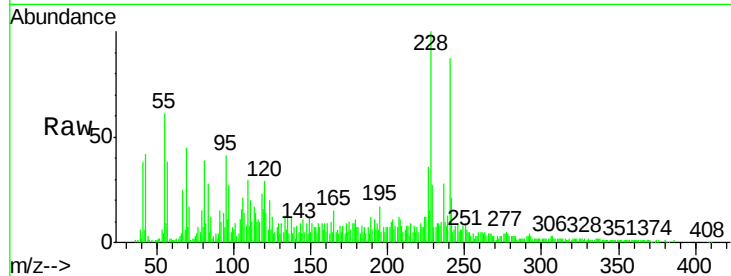
#80
Benzo(a)anthracene
Concen: 4.78 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.4	33.6#
229	27.4	16.2	24.4#

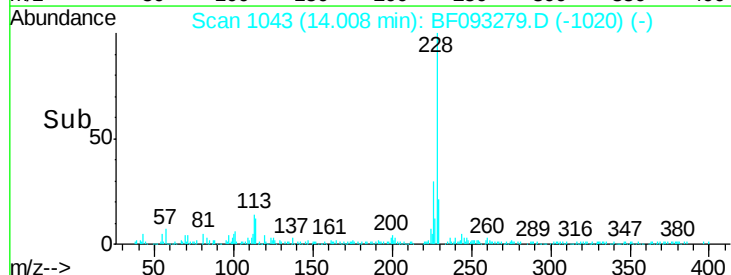
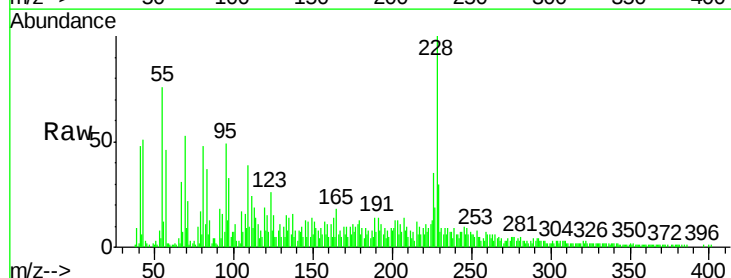
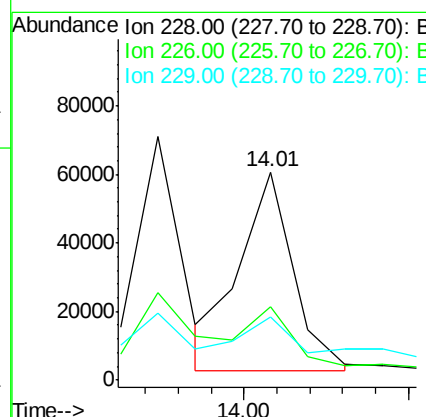
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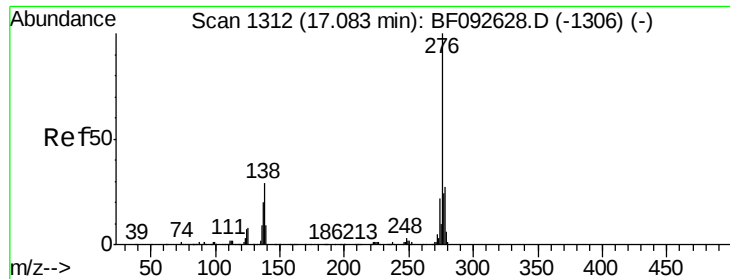
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#82
Chrysene
Concen: 4.86 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	25.4	38.0
229	30.4	16.2	24.2#





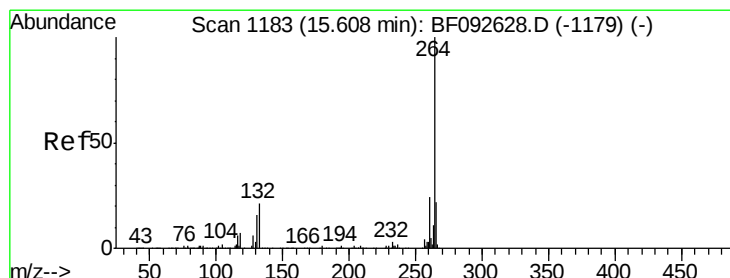
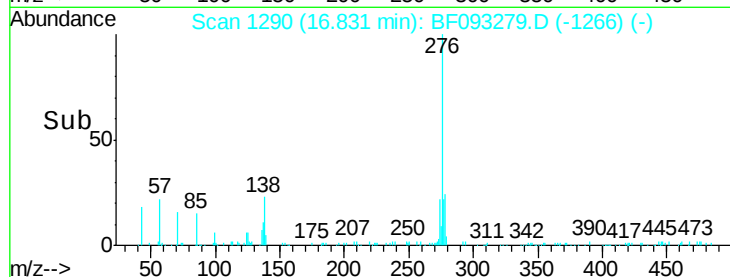
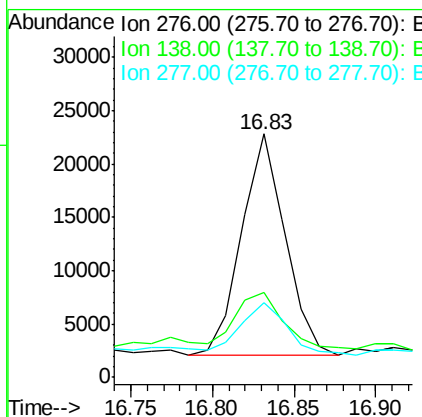
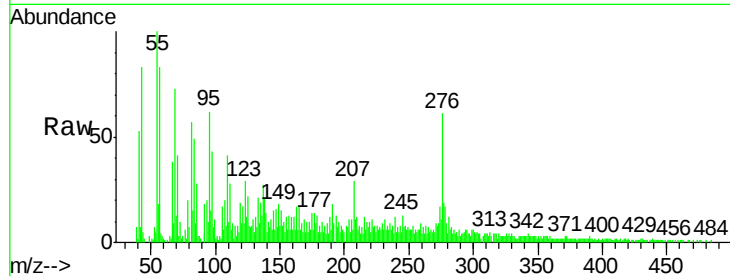
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.68 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.8	32.6
277	29.4	20.2	30.4

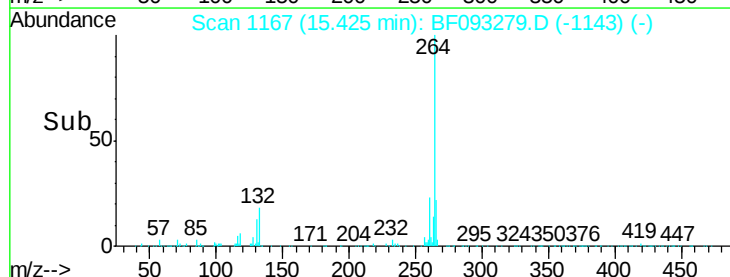
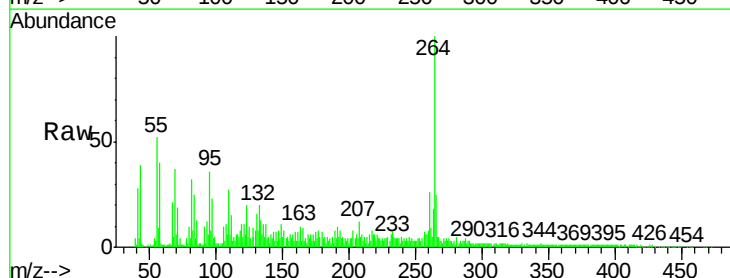
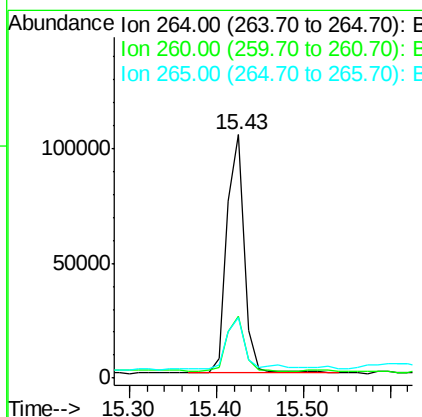
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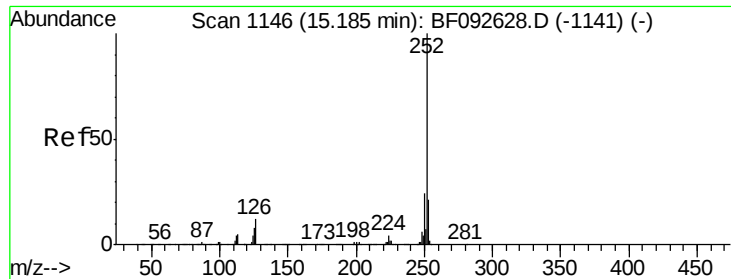
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF093279.D
Acq: 1 Mar 2017 7:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	25.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 6.88 ng m

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Instrument :

BNA_F

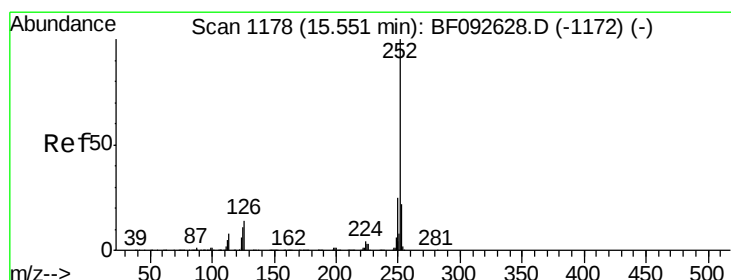
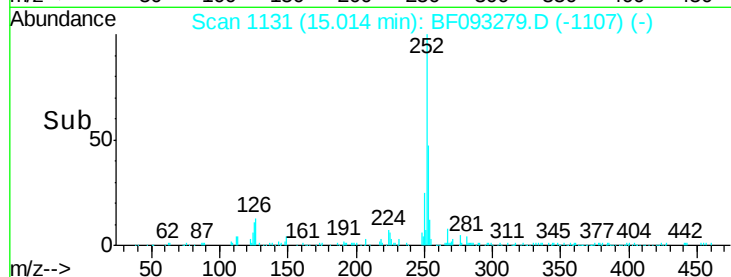
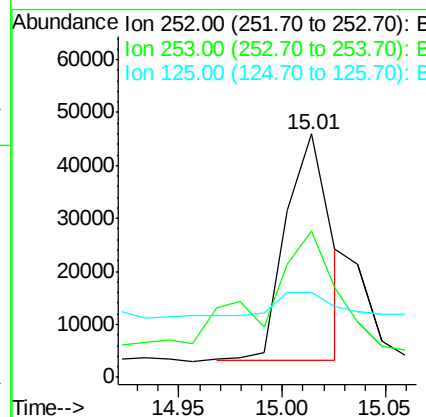
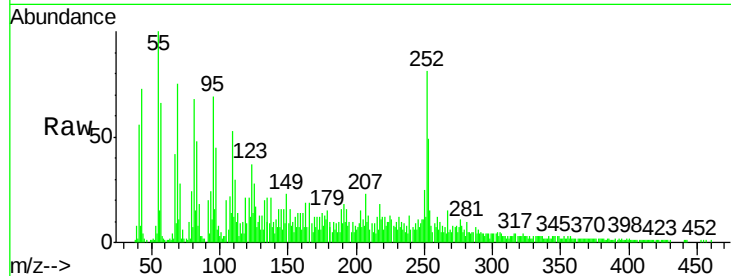
ClientSampleId :

E2B21-BASE-2

Tgt Ion:	252	Resp:	64774
Ion Ratio	Lower	Upper	
252	100		
253	60.1	18.2	27.4#
125	35.1	9.8	14.6#

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#89

Benzo(a)pyrene

Concen: 7.76 ng

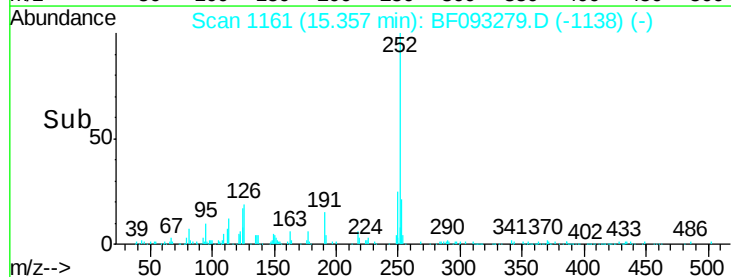
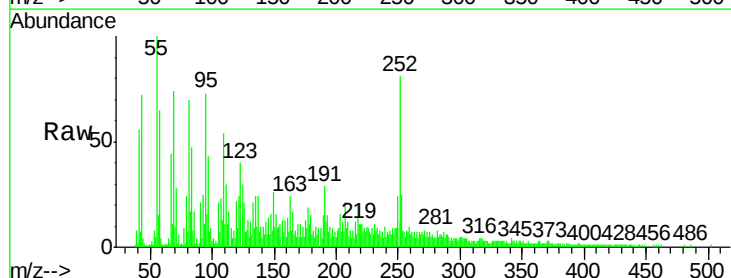
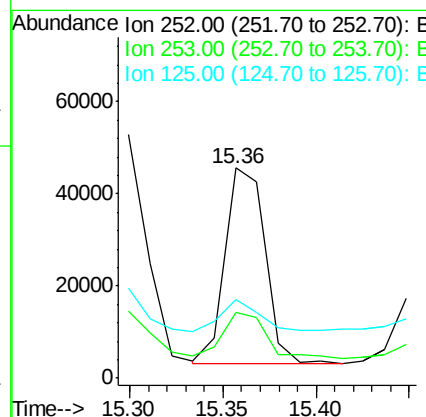
RT: 15.36 min Scan# 1161

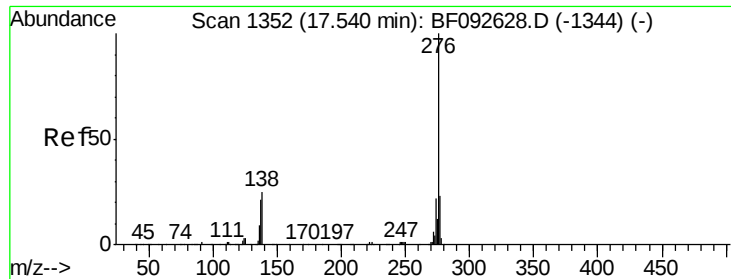
Delta R.T. -0.03 min

Lab File: BF093279.D

Acq: 1 Mar 2017 7:49

Tgt Ion:	252	Resp:	63249
Ion Ratio	Lower	Upper	
252	100		
253	31.5	18.2	27.2#
125	37.4	10.0	15.0#





#91
 Benzo(g,h,i)perylene
 Concen: 9.44 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093279.D
 Acq: 1 Mar 2017 7:49

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.2	28.8#
138	33.3	16.0	24.0#

Manual Integrations
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