

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093269.D
 Acq On : 1 Mar 2017 3:10
 Operator : SJ/MA
 Sample : I1973-09DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASEDL

Manual Integrations
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Quant Time: Mar 01 14:52:20 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	129090	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	467953	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	190917	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	334447	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	297706	20.00	ng	-0.05
86) Perylene-d12	15.40	264	205596	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	244176	32.45	ng	-0.03
7) Phenol-d6	6.46	99	313429	32.37	ng	-0.02
23) Nitrobenzene-d5	7.38	82	176469	21.00	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	58549	42.40	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	256570	24.35	ng	-0.05
78) Terphenyl-d14	12.92	244	500602	39.51	ng	-0.05
Target Compounds						Qvalue
70) Phenanthrene	11.36	178	564690	29.47	ng	98
71) Anthracene	11.41	178	168544	8.76	ng	96
72) Carbazole	11.57	167	61968	3.37	ng	# 97
74) Fluoranthene	12.54	202	1110567	56.19	ng	97
77) Pyrene	12.78	202	1131108	50.77	ng	99
80) Benzo(a)anthracene	13.96	228	595921	32.73	ng	98
82) Chrysene	14.00	228	440150	25.82	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	191043	14.47	ng	97
87) Benzo(b)fluoranthene	15.00	252	522651m	38.62	ng	
88) Benzo(k)fluoranthene	15.01	252	105270m	9.01	ng	
89) Benzo(a)pyrene	15.35	252	341545	29.18	ng	98
90) Dibenzo(a,h)anthracene	16.80	278	46932m	4.96	ng	
91) Benzo(g,h,i)perylene	17.22	276	186635	19.53	ng	# 93

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

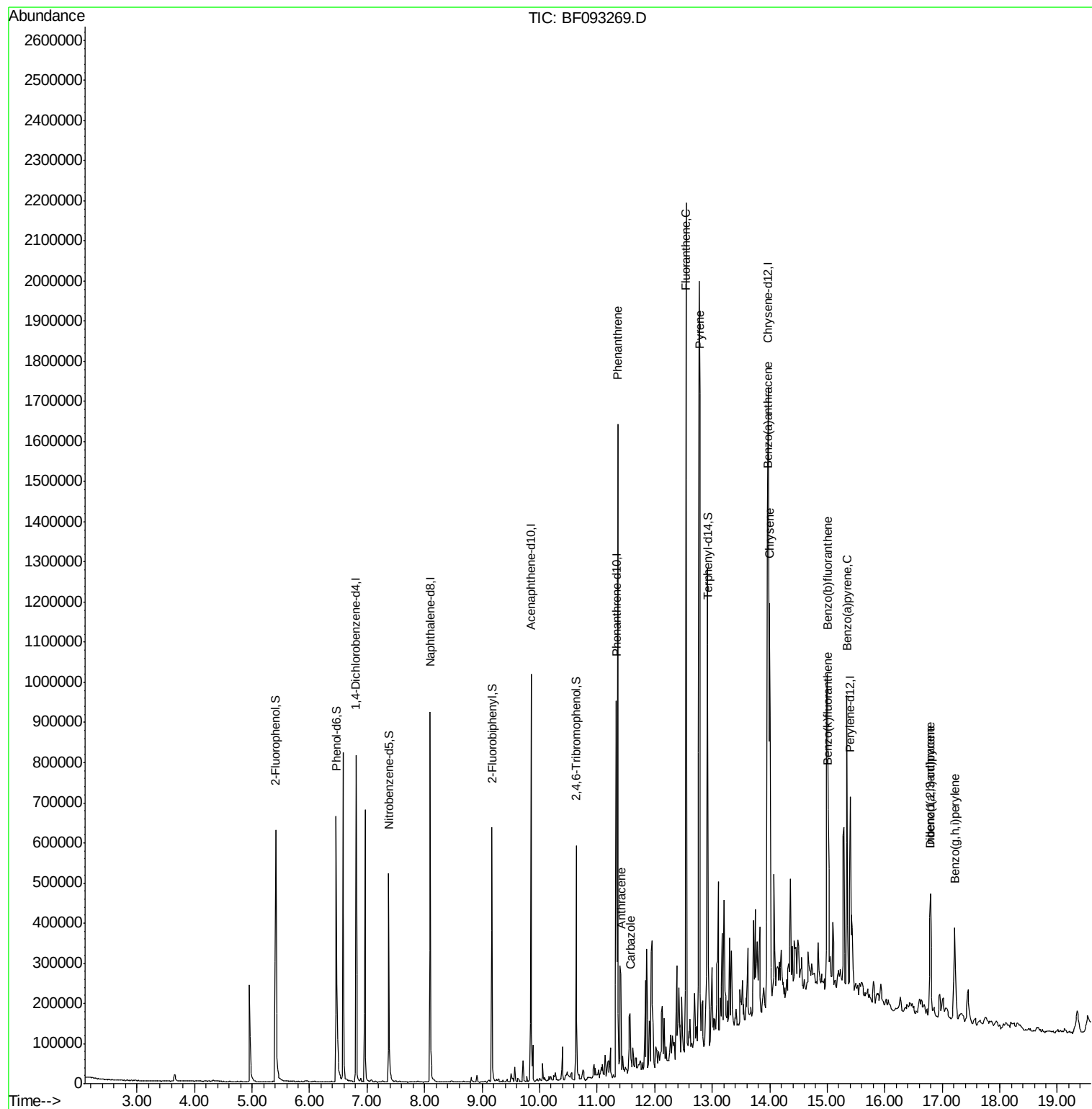
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
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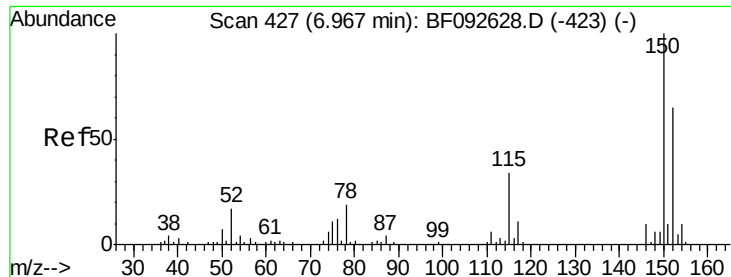
Instrument :
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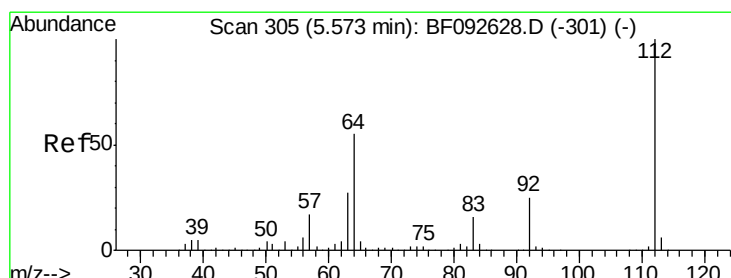
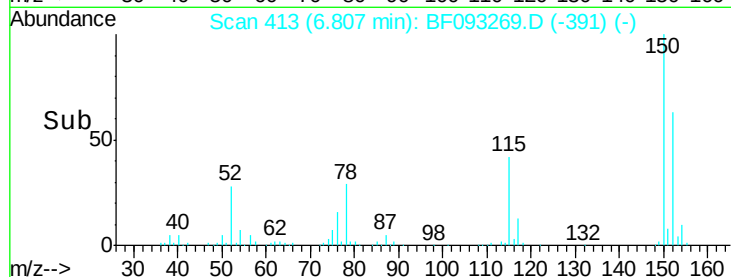
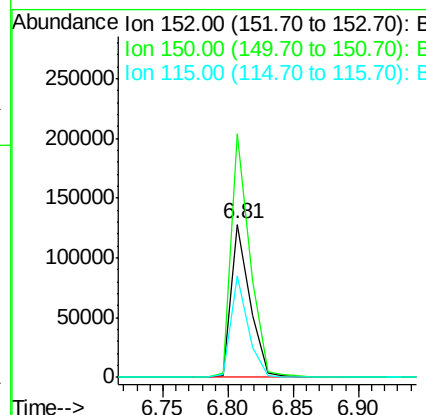
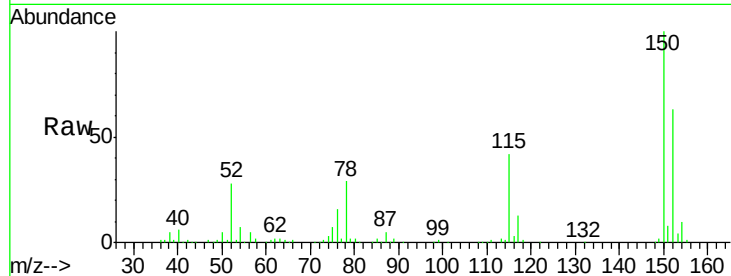
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093269.D
 Acq: 1 Mar 2017 3:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASEDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.9	187.3
115	66.4	46.0	69.0

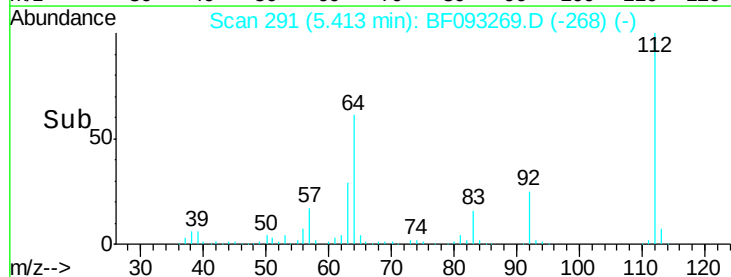
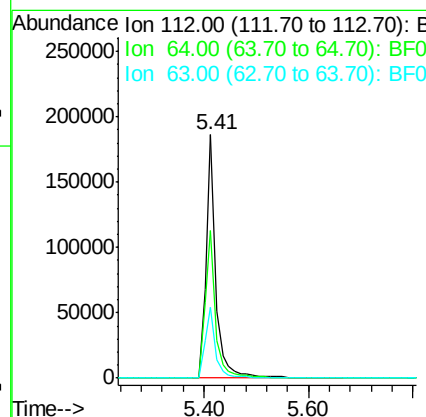
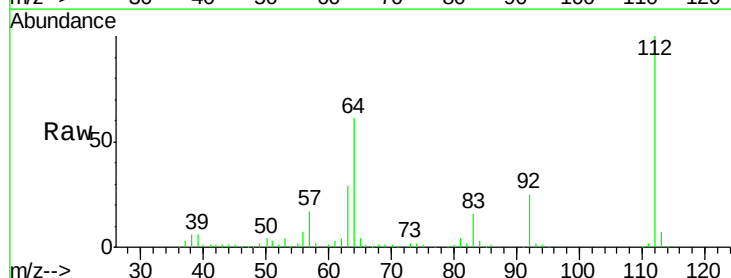
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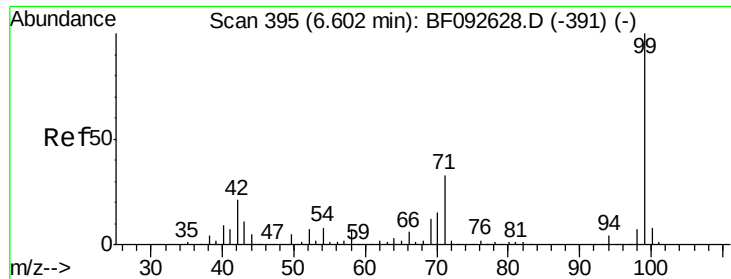
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#5
 2-Fluorophenol
 Concen: 32.45 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093269.D
 Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	46.1	69.1
63	29.0	23.8	35.6





#7

Phenol-d6

Concen: 32.37 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Instrument :

BNA_F

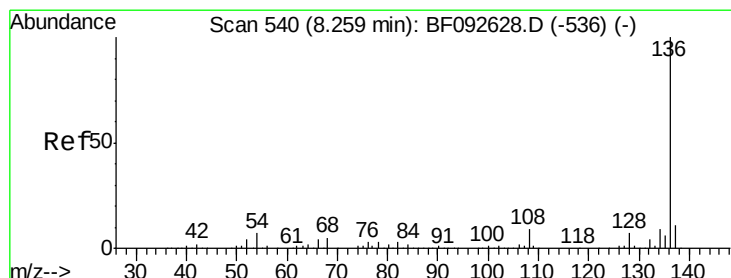
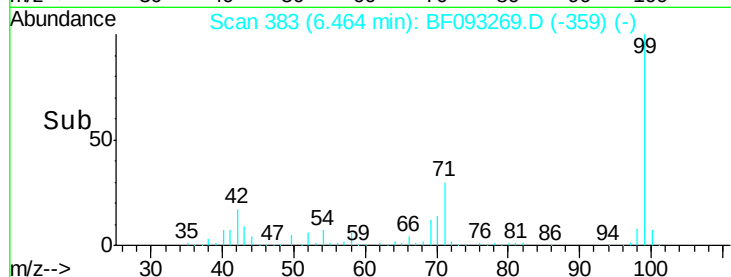
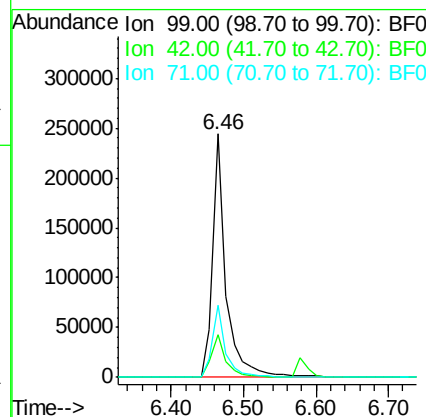
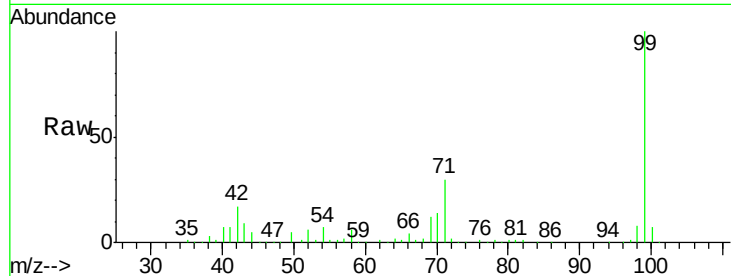
ClientSampleId :

E2-FF9-BASEDL

Tgt Ion:	99	Resp:	313429
Ion Ratio	Lower	Upper	
99	100		
42	17.3	15.6	23.4
71	29.9	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

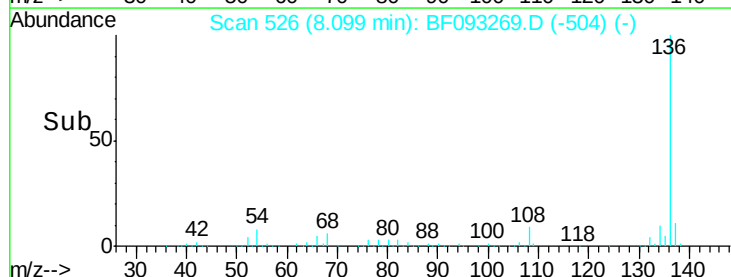
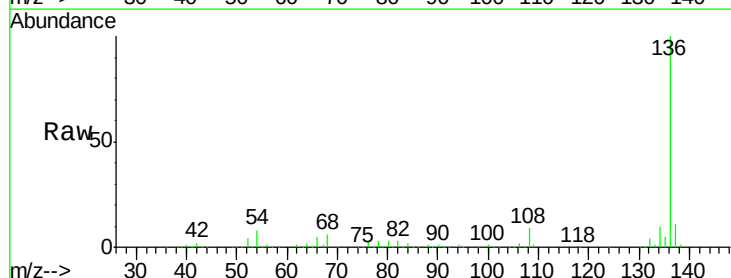
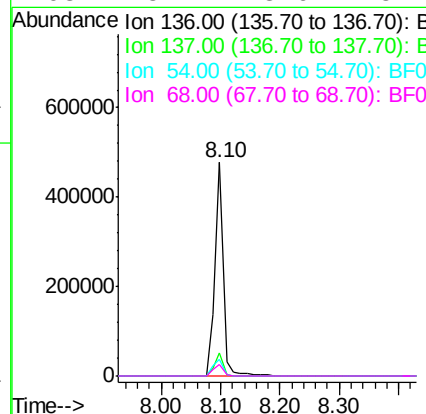
RT: 8.10 min Scan# 526

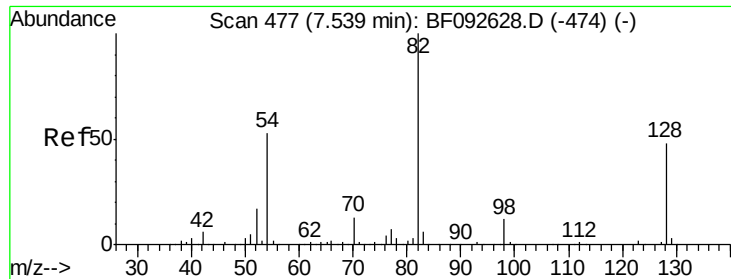
Delta R.T. -0.05 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Tgt Ion:	136	Resp:	467953
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	7.9	4.5	6.7#
68	5.7	3.6	5.4#





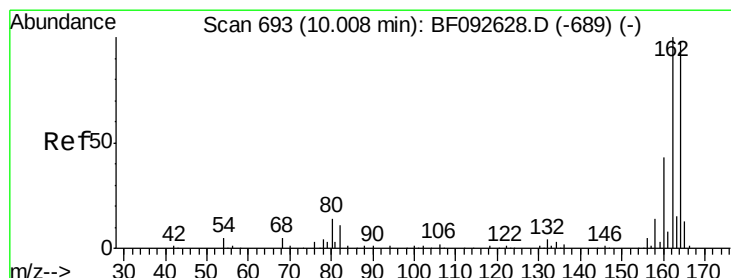
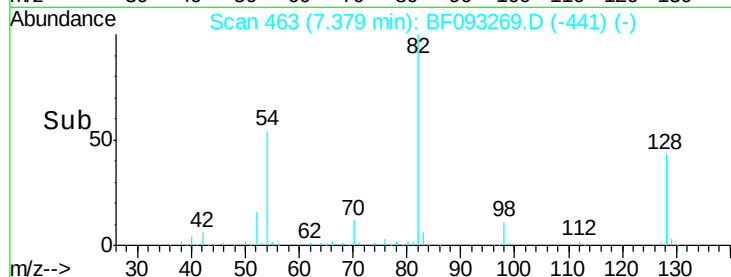
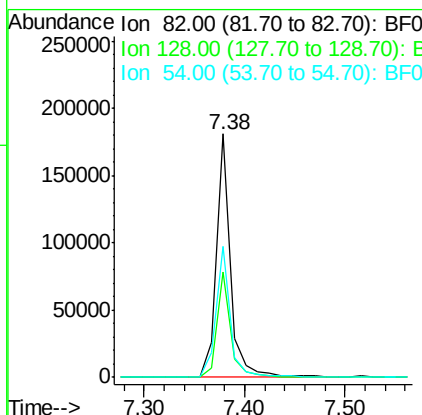
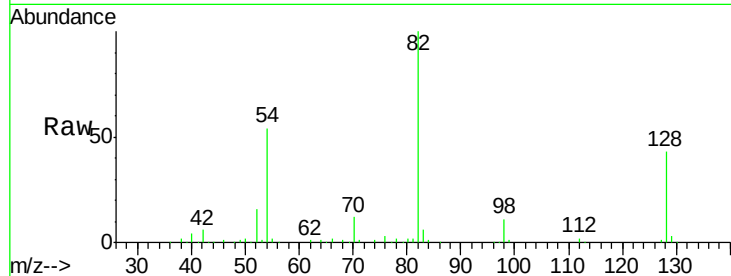
#23
 Nitrobenzene-d5
 Concen: 21.00 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093269.D
 Acq: 1 Mar 2017 3:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	176469		
128	43.1	34.6	52.0	
54	54.0	39.5	59.3	

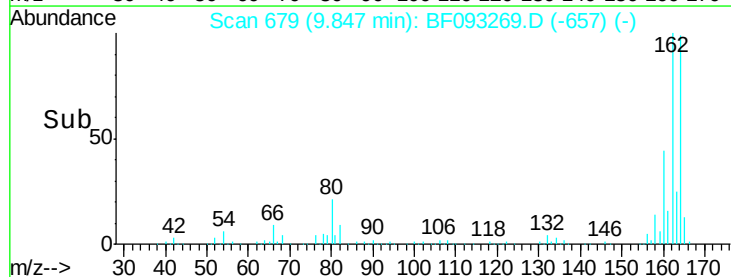
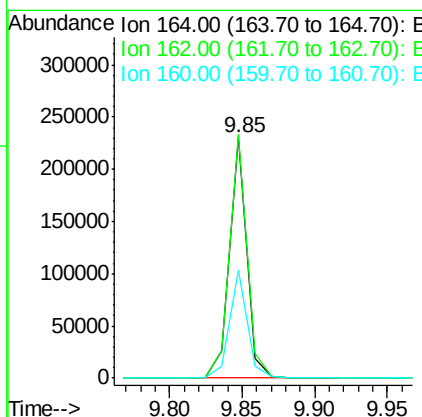
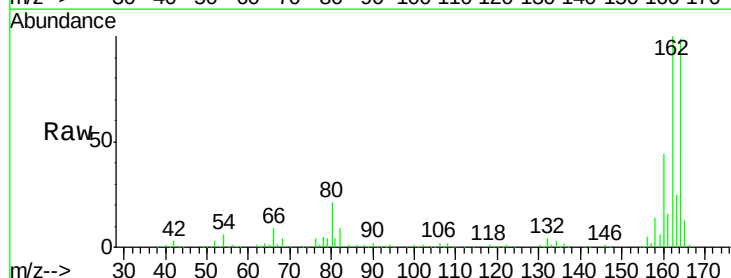
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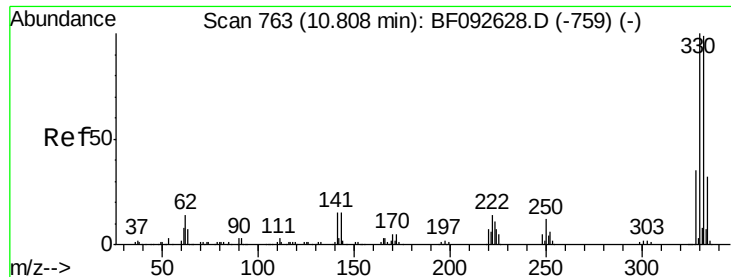
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093269.D
 Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	190917		
162	101.2	80.2	120.2	
160	44.8	36.9	55.3	





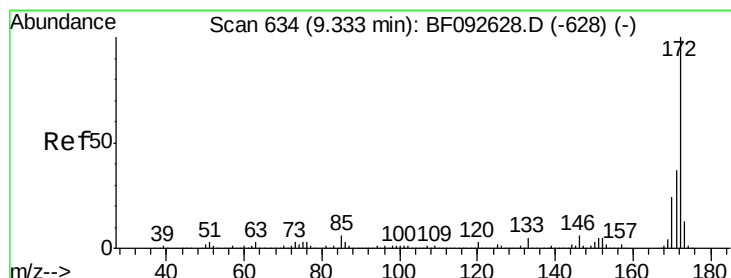
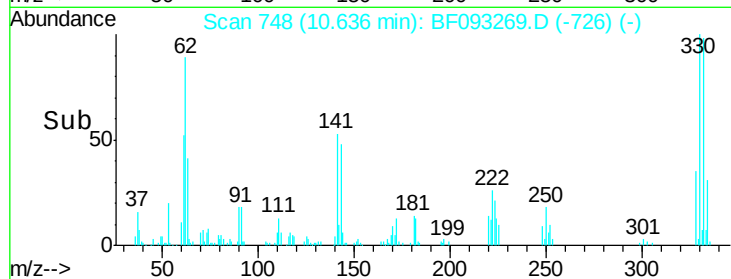
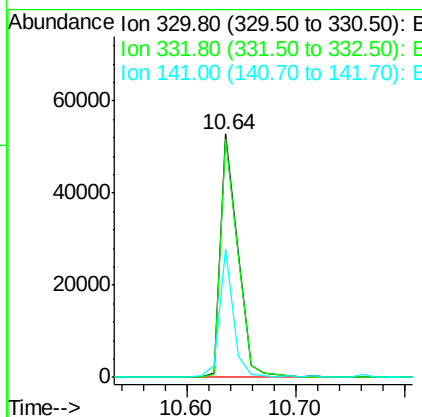
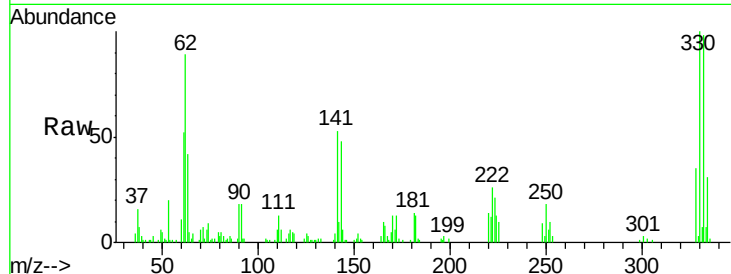
#41
 2,4,6-Tribromophenol
 Concen: 42.40 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093269.D
 Acq: 1 Mar 2017 3:10

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	58549		
332	97.2		77.4	116.2
141	42.5		34.1	51.1

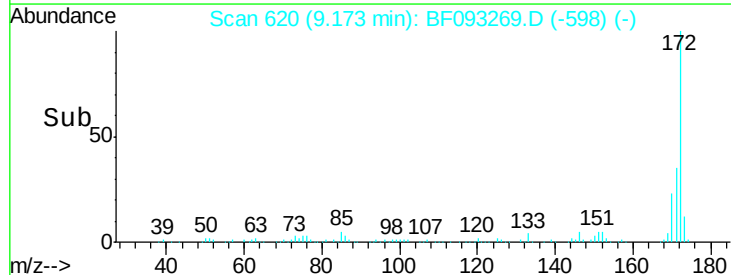
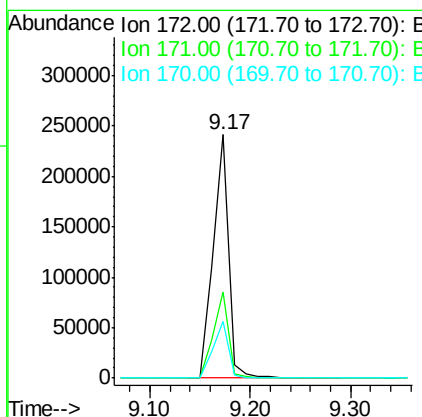
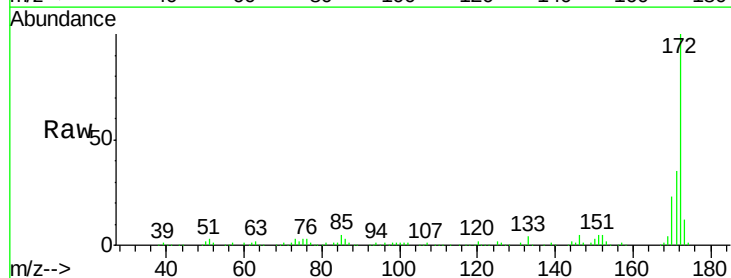
Manual Integrations
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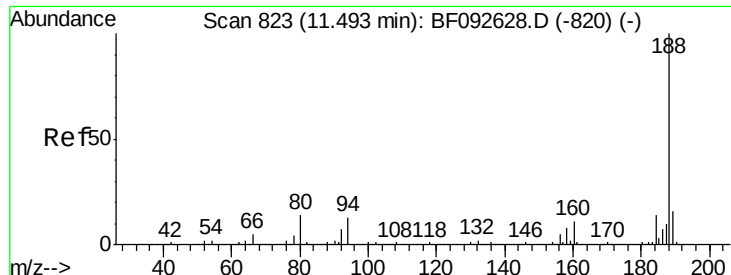
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#44
 2-Fluorobiphenyl
 Concen: 24.35 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093269.D
 Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	256570		
171	35.2		29.4	44.0
170	23.2		20.2	30.4





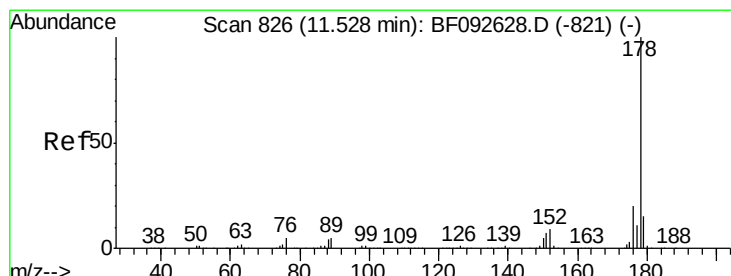
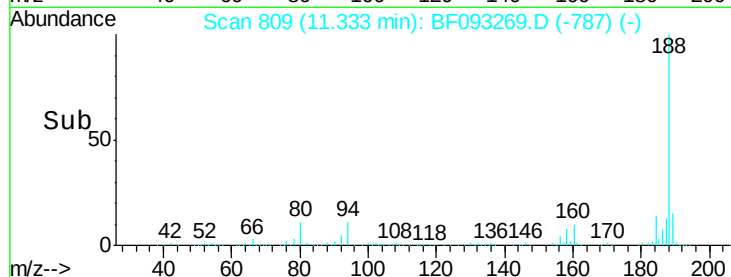
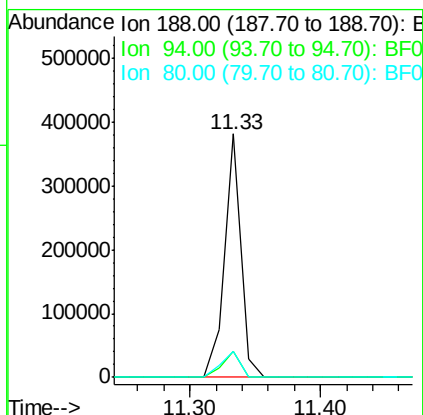
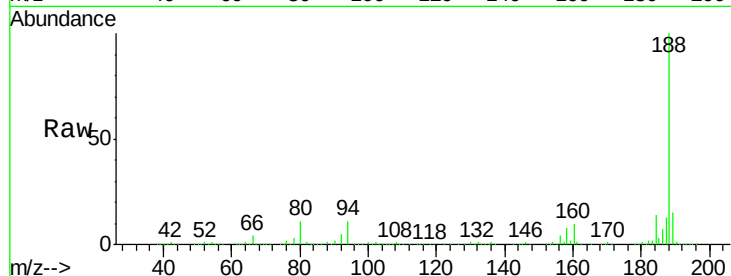
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	334447		
94	10.6	10.0	15.0	
80	10.9	11.2	16.8	

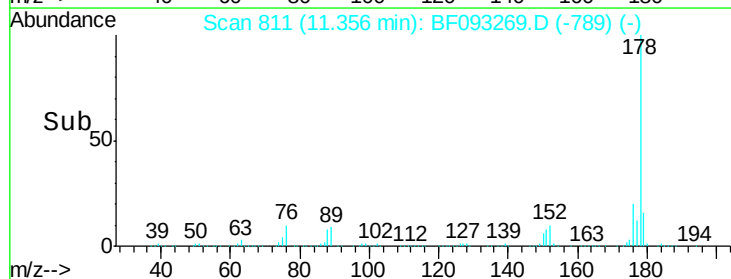
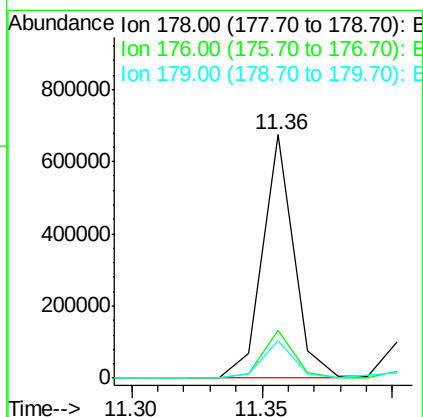
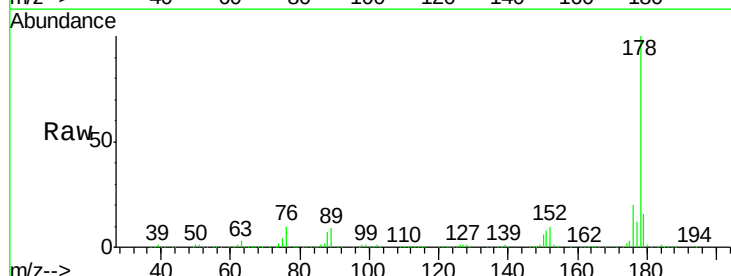
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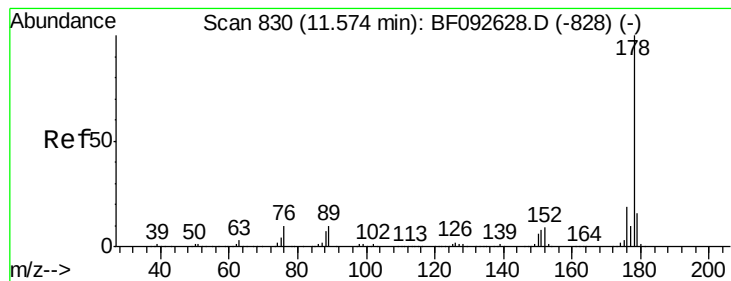
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#70
Phenanthrene
Concen: 29.47 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	564690		
176	19.6	16.6	25.0	
179	15.6	12.8	19.2	





#71

Anthracene

Concen: 8.76 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Instrument :

BNA_F

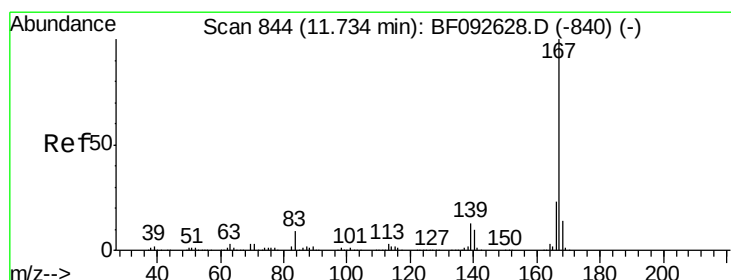
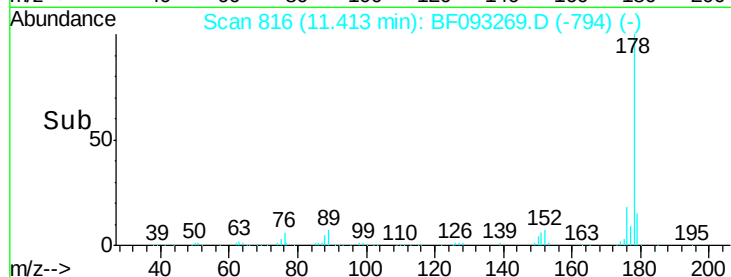
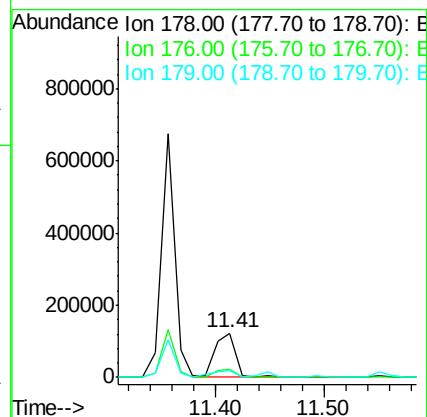
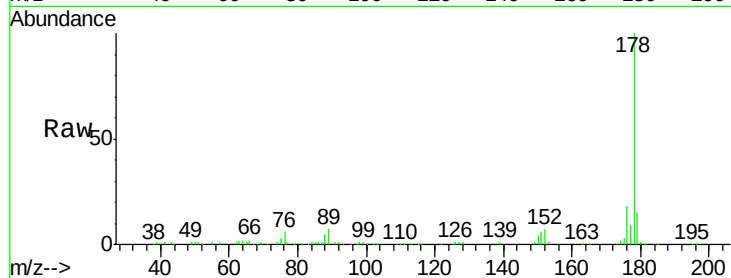
ClientSampleId :

E2-FF9-BASEDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.1	13.2	19.8

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#72

Carbazole

Concen: 3.37 ng

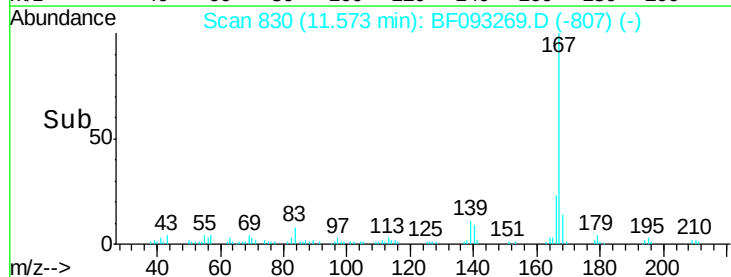
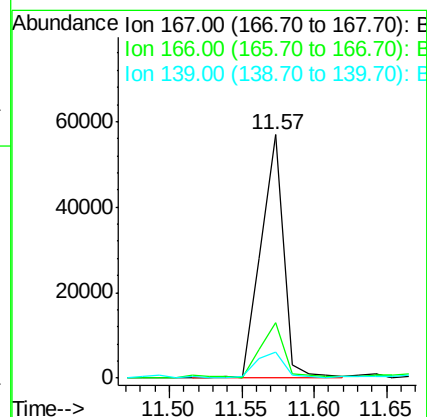
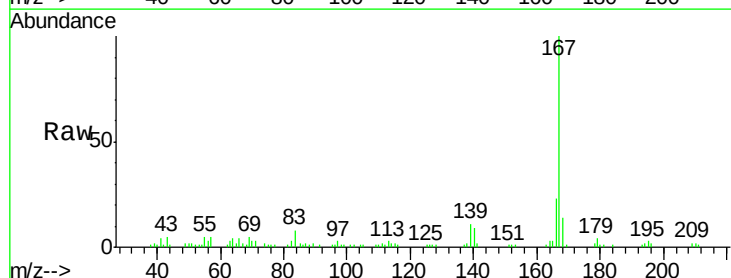
RT: 11.57 min Scan# 830

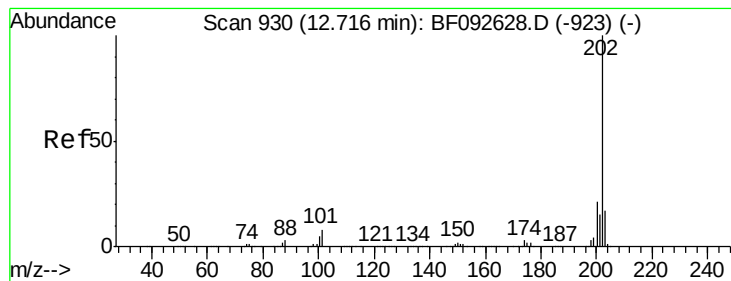
Delta R.T. -0.03 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.2	27.2
139	10.9	11.4	17.2#





#74

Fluoranthene

Concen: 56.19 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Instrument :

BNA_F

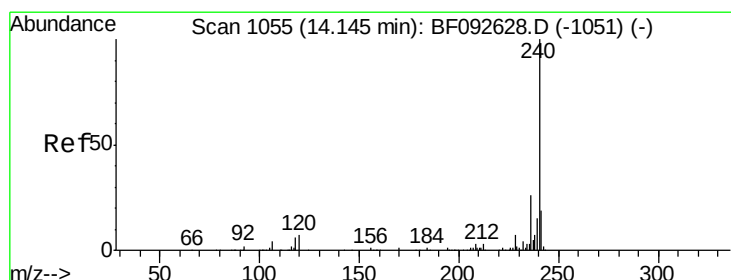
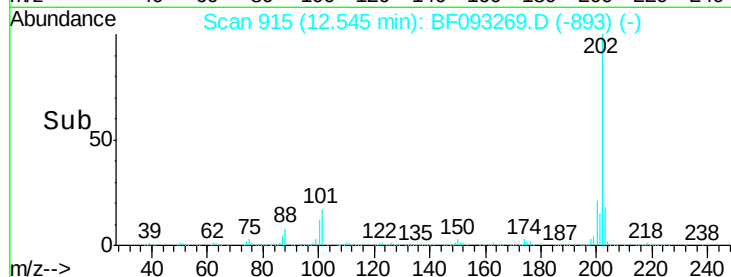
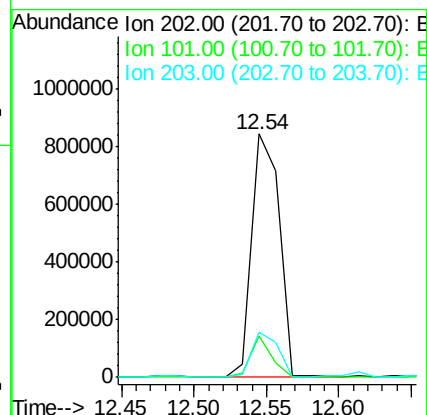
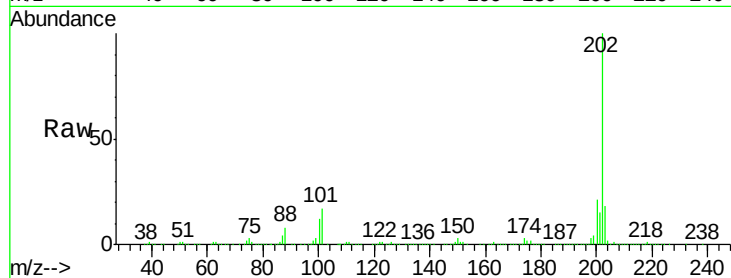
ClientSampleId :

E2-FF9-BASEDL

Tgt Ion:	202	Resp:	1110567
Ion Ratio	Lower	Upper	
202	100		
101	17.1	0.0	34.6
203	18.4	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

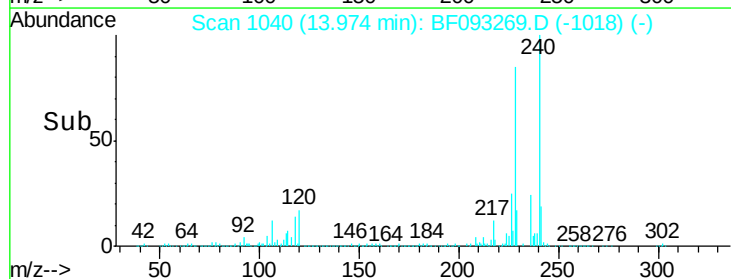
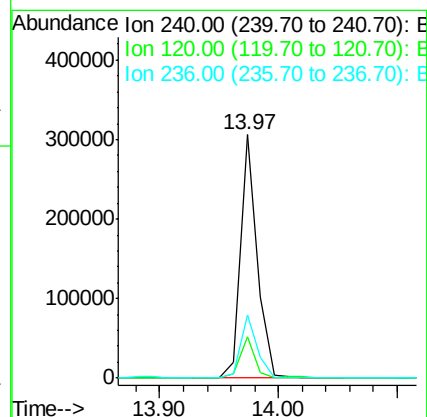
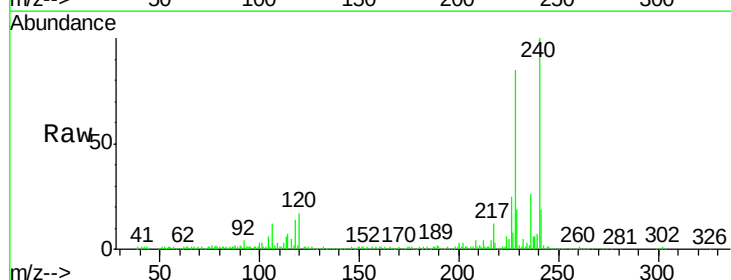
RT: 13.97 min Scan# 1040

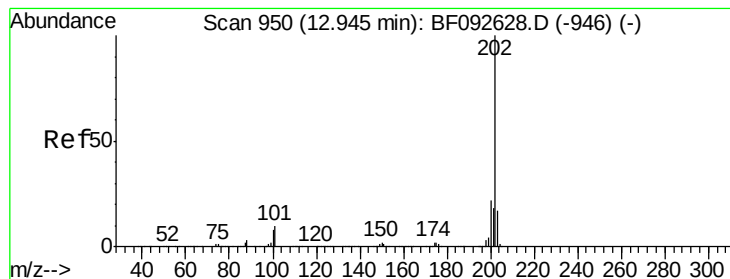
Delta R.T. -0.05 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Tgt Ion:	240	Resp:	297706
Ion Ratio	Lower	Upper	
240	100		
120	17.0	12.9	19.3
236	25.7	20.9	31.3





#77

Pyrene

Concen: 50.77 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Instrument :

BNA_F

ClientSampleId :

E2-FF9-BASEDL

Tgt Ion:202 Resp: 1131108

Ion Ratio Lower Upper

202 100

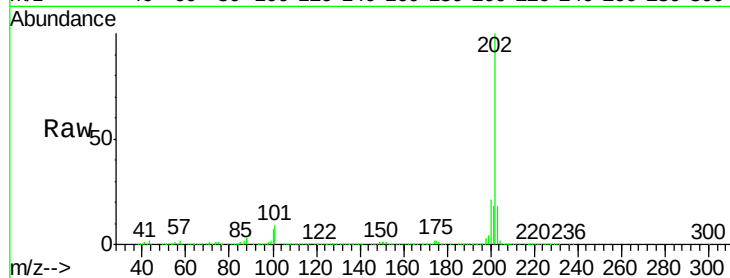
200 21.3 17.7 26.5

203 17.9 14.7 22.1

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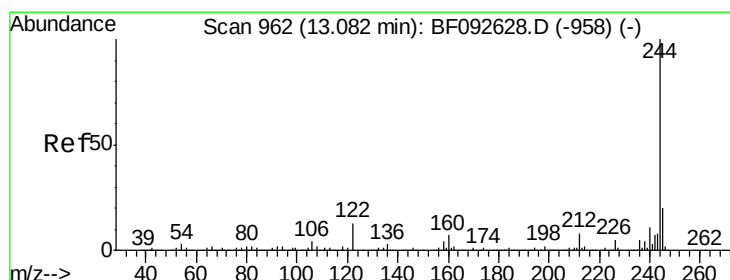
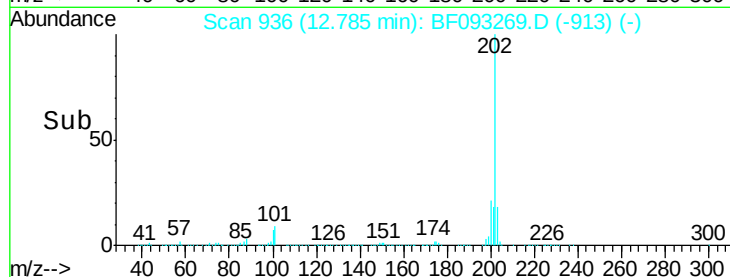
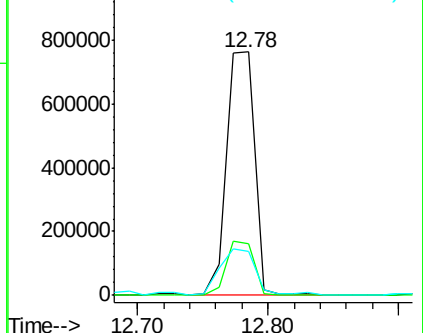
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 39.51 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

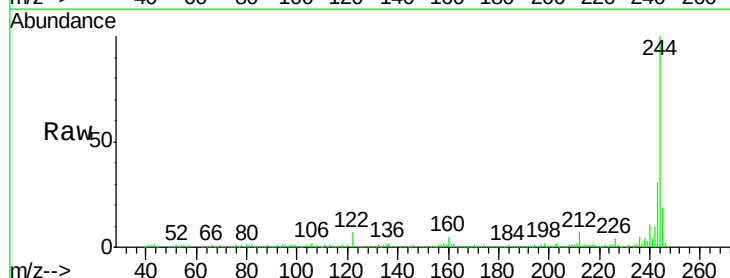
Tgt Ion:244 Resp: 500602

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

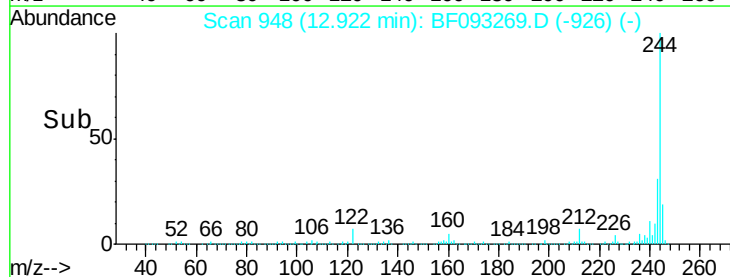
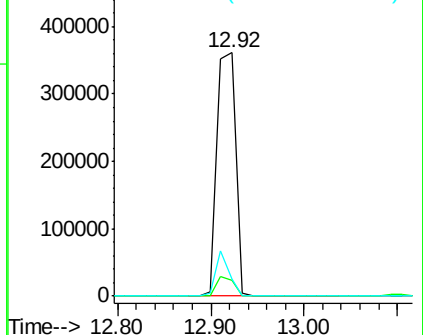
122 6.9 11.4 17.2#

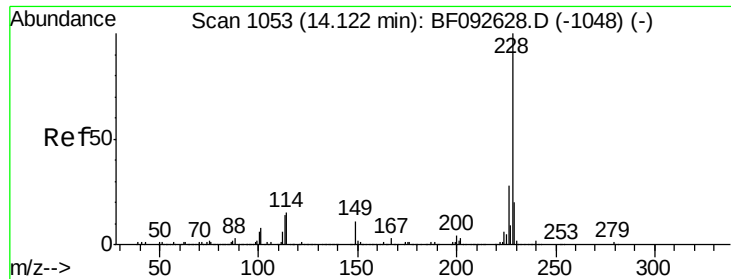


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





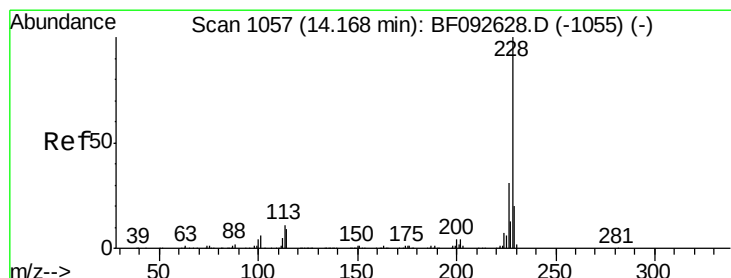
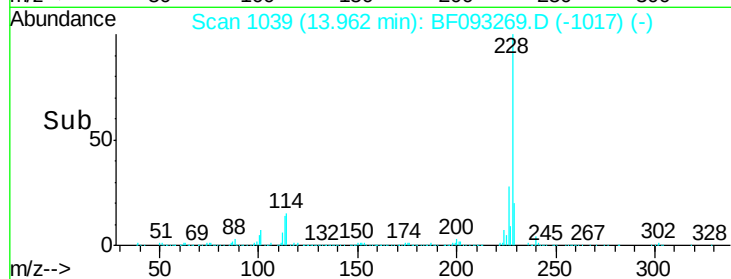
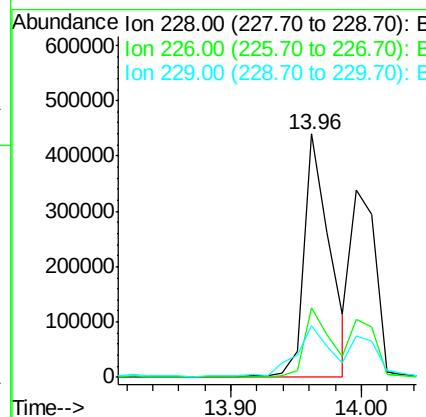
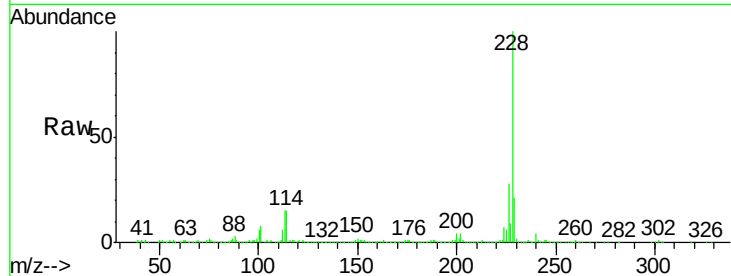
#80
Benzo(a)anthracene
Concen: 32.73 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASEDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.4	33.6
229	21.4	16.2	24.4

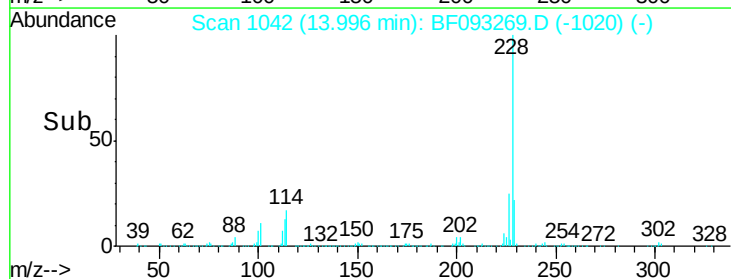
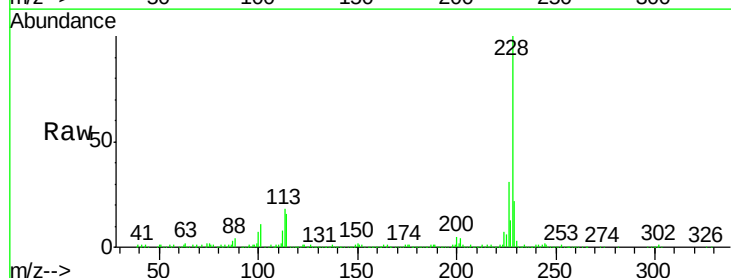
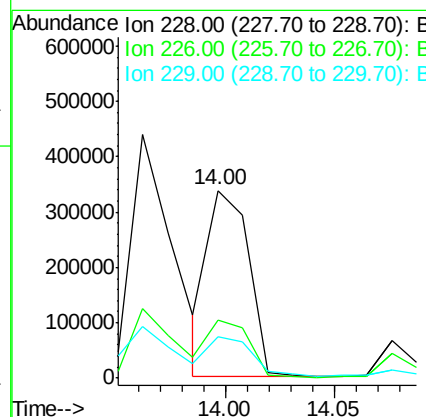
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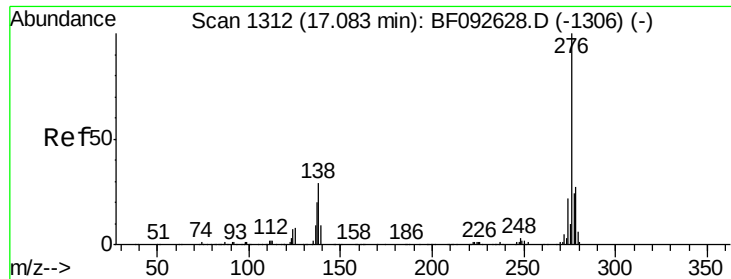
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#82
Chrysene
Concen: 25.82 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	22.0	16.2	24.2





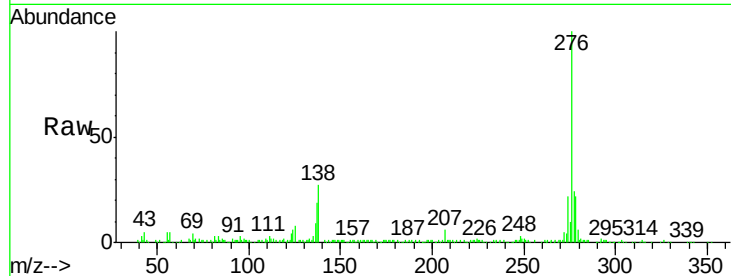
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.47 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASEDL

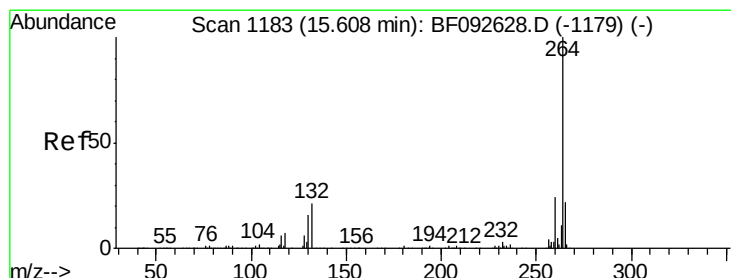
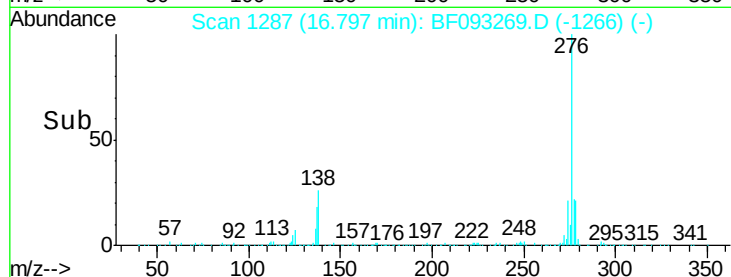
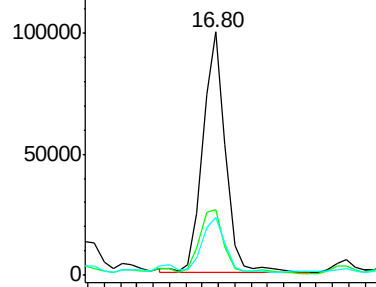
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	22.4	20.2	30.4

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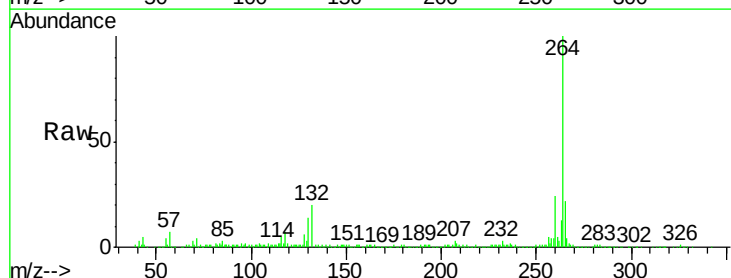


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

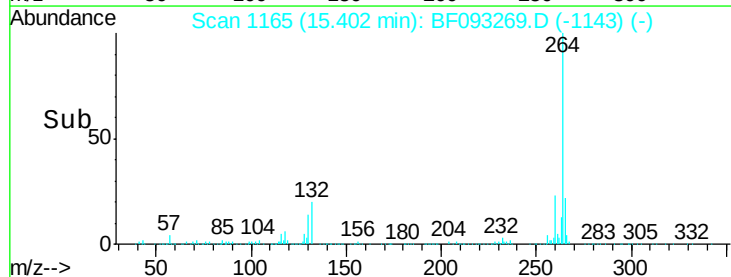
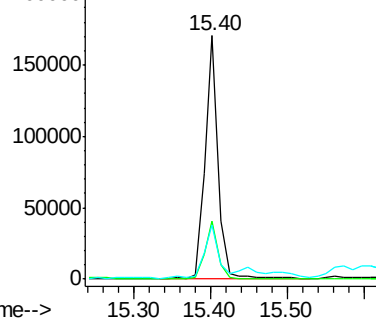


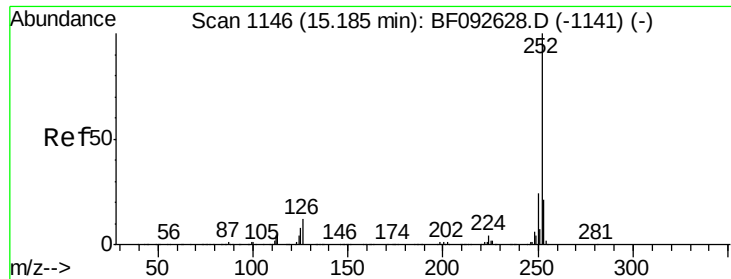
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

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





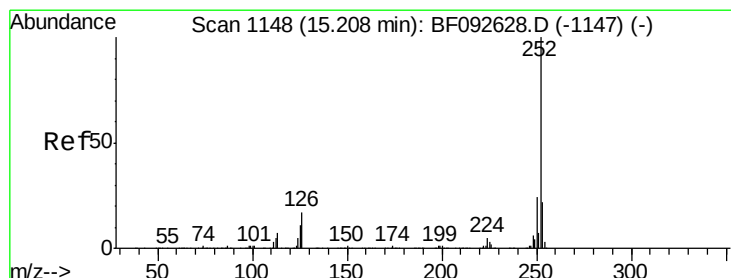
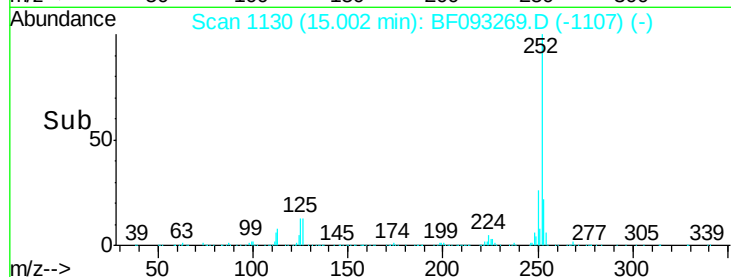
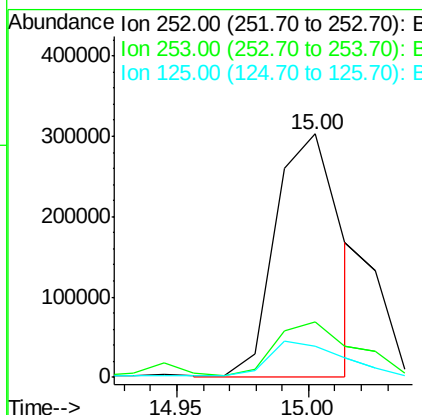
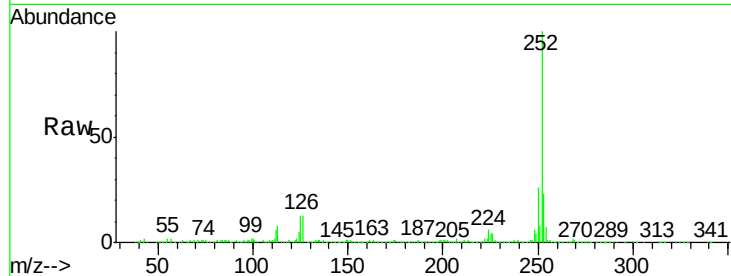
#87
Benzo(b)fluoranthene
Concen: 38.62 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASEDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.0	9.8	14.6

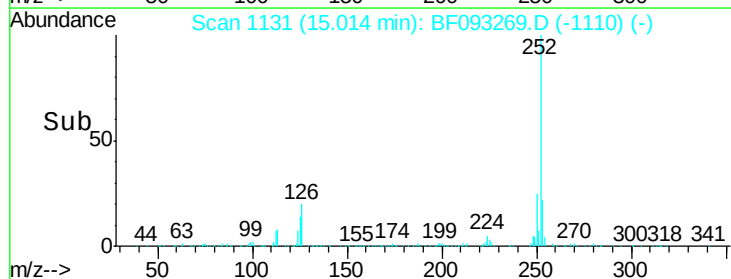
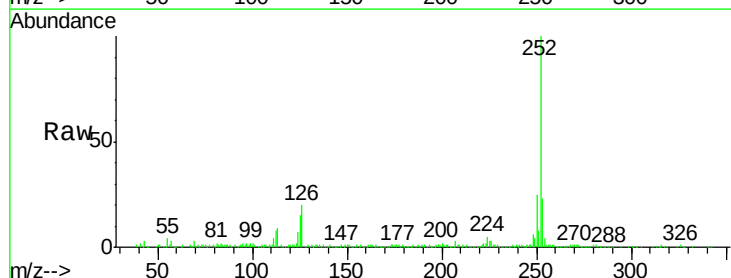
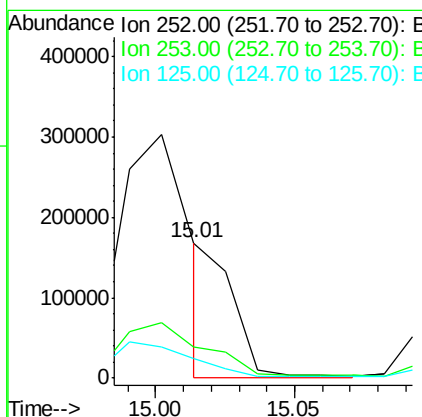
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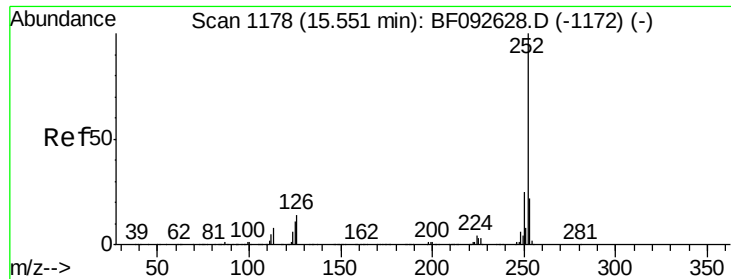
mohammad
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#88
Benzo(k)fluoranthene
Concen: 9.01 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	14.8	8.9	13.3#





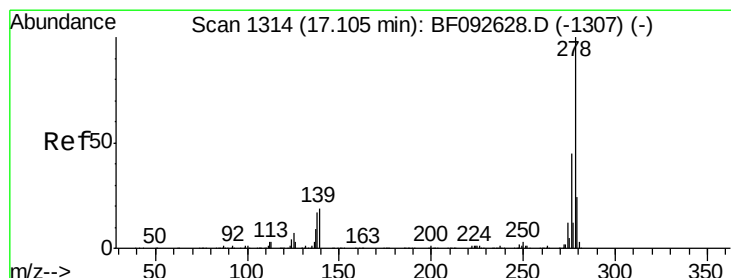
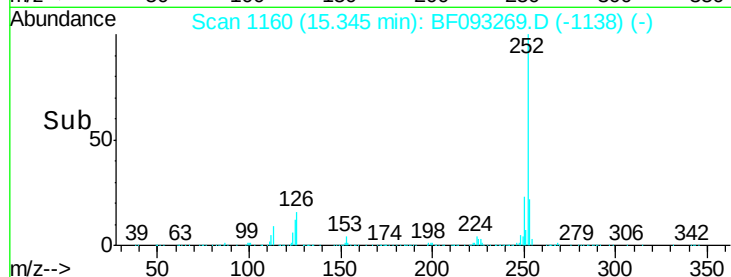
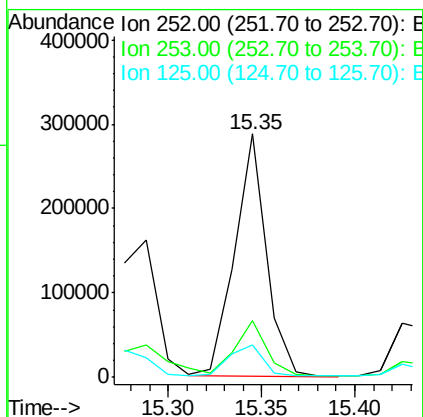
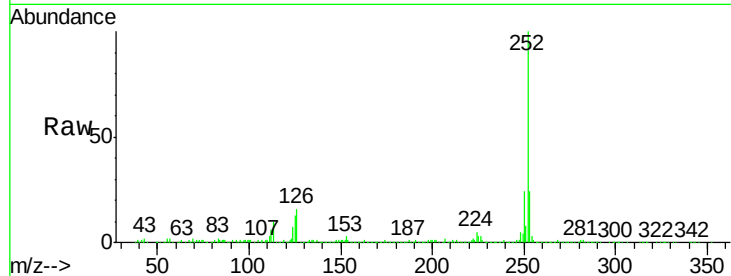
#89
Benzo(a)pyrene
Concen: 29.18 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.5	18.2	27.2
125	13.3	10.0	15.0

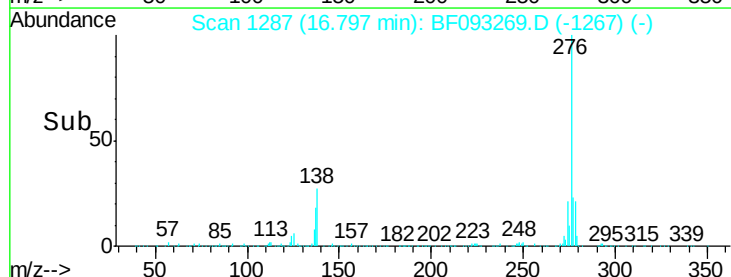
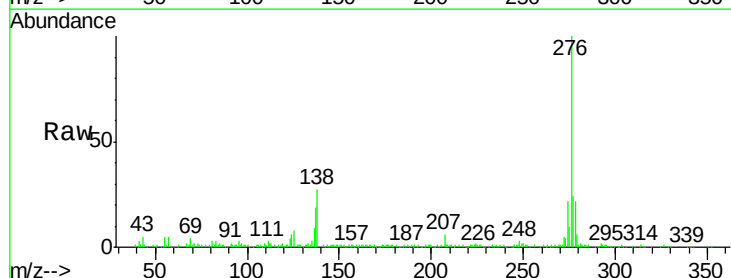
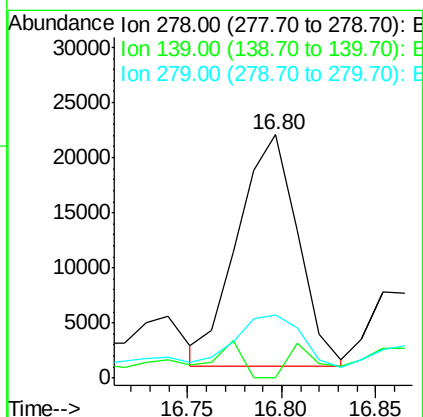
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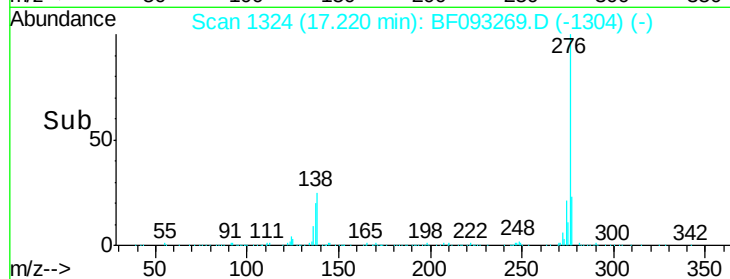
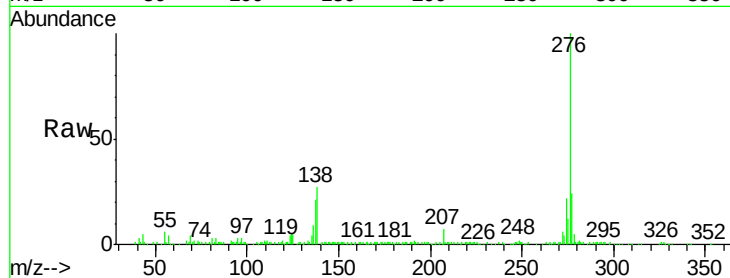
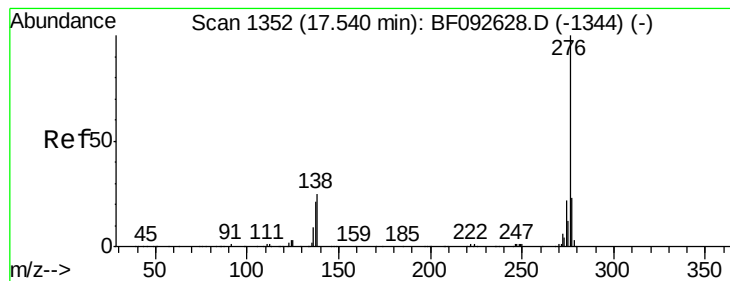
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#90
Dibenzo(a,h)anthracene
Concen: 4.96 ng m
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093269.D
Acq: 1 Mar 2017 3:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	14.8	22.2#
279	26.1	19.8	29.6





#91

Benzo(g,h,i)perylene

Concen: 19.53 ng

RT: 17.22 min Scan# 1324

Delta R.T. -0.07 min

Lab File: BF093269.D

Acq: 1 Mar 2017 3:10

Instrument :

BNA_F

ClientSampleId :

E2-FF9-BASEDL

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		186635		
277	24.1	19.2	28.8		
138	27.1	16.0	24.0		

Manual Integrations
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