

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095523.D
 Acq On : 28 May 2017 5:19
 Operator : SJ/MA
 Sample : I3281-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Manual Integrations
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Quant Time: May 29 04:13:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	93087	20.00	ng	0.00
21) Naphthalene-d8	9.76	136	367364	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	167449	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	272639	20.00	ng	0.00
75) Chrysene-d12	18.67	240	208133	20.00	ng	0.00
86) Perylene-d12	20.35	264	180619	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	516551	92.52	ng	0.00
7) Phenol-d6	7.28	99	630354	94.09	ng	-0.01
23) Nitrobenzene-d5	8.64	82	365056	62.66	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	116543	84.98	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	698821	60.07	ng	0.00
78) Terphenyl-d14	17.31	244	491427	52.01	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.80	128	42937	2.33	ng	98
37) 2-Methylnaphthalene	10.94	142	42281	3.49	ng	95
49) Dimethylphthalate	12.23	163	123215	8.96	ng	98
70) Phenanthrene	15.04	178	211890	13.53	ng	98
71) Anthracene	15.12	178	47453m	2.97	ng	
74) Fluoranthene	16.78	202	350630	21.82	ng	99
77) Pyrene	17.08	202	335041	21.52	ng	97
80) Benzo(a)anthracene	18.66	228	155566	12.84	ng	95
82) Chrysene	18.71	228	169641	14.48	ng	97
85) Indeno(1,2,3-cd)pyrene	21.69	276	61465	6.46	ng	96
87) Benzo(b)fluoranthene	19.94	252	170350m	15.26	ng	
88) Benzo(k)fluoranthene	19.97	252	48619m	4.52	ng	
89) Benzo(a)pyrene	20.29	252	114437	11.11	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	20599	2.42	ng	# 76
91) Benzo(a,h,i)perylene	22.08	276	61773	7.40	ng	97

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

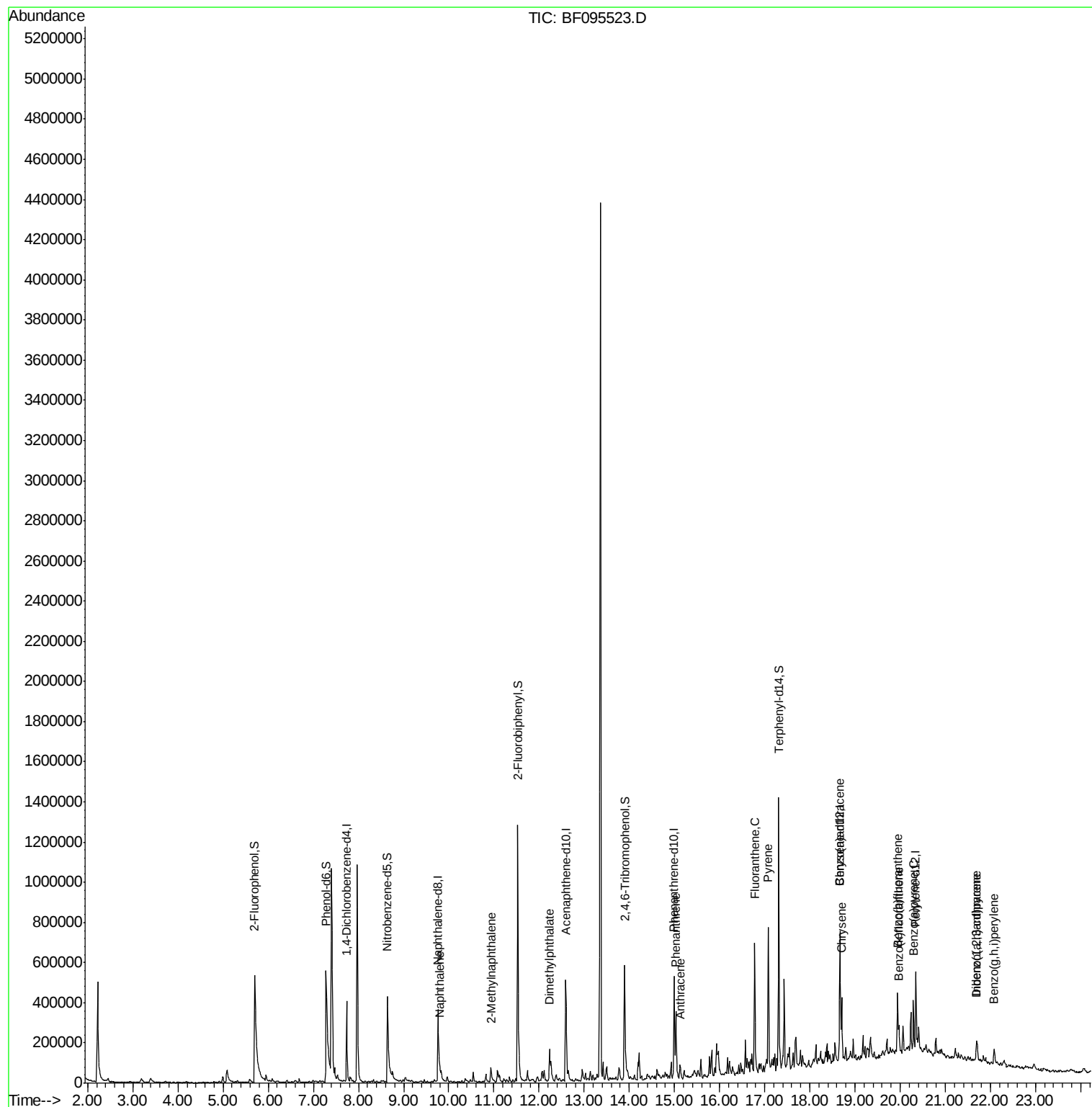
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
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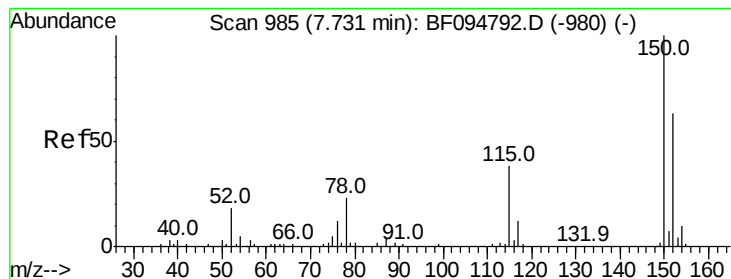
Instrument :
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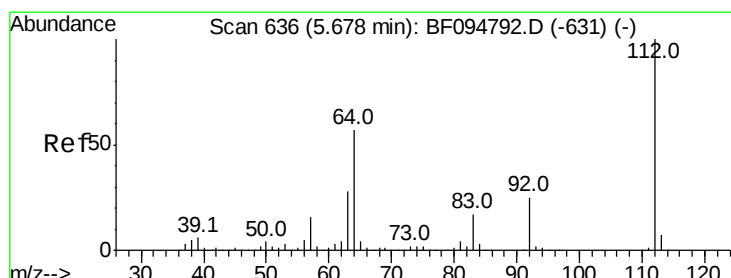
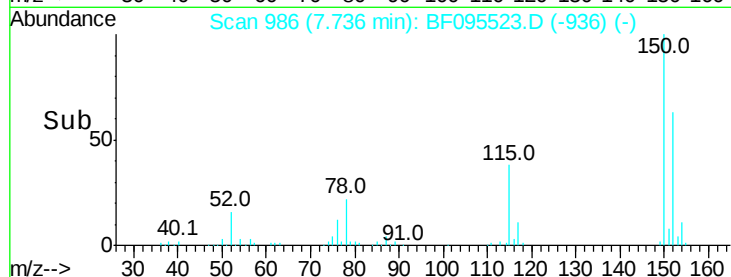
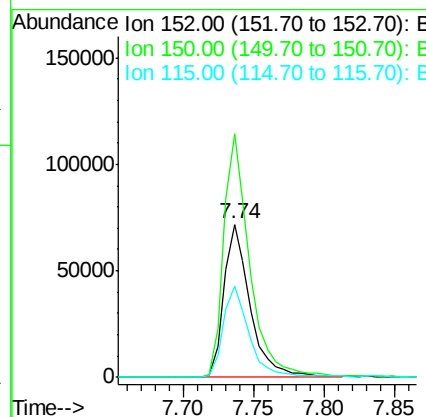
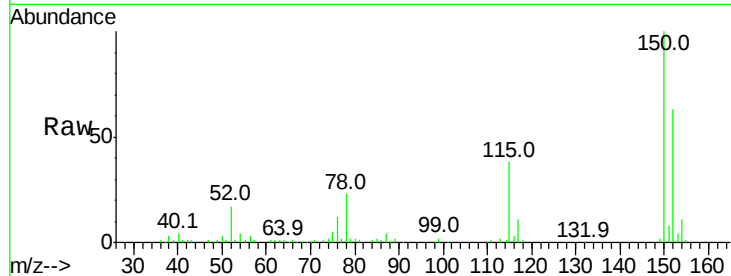
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.74 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Instrument :
 BNA_F
 ClientSampled :
 DUP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	60.1	52.2	78.2

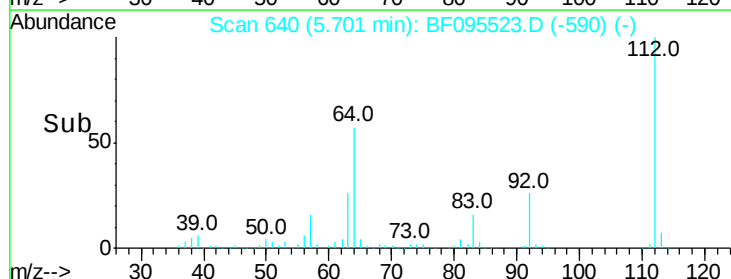
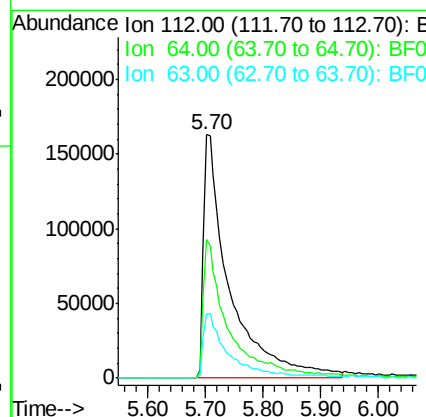
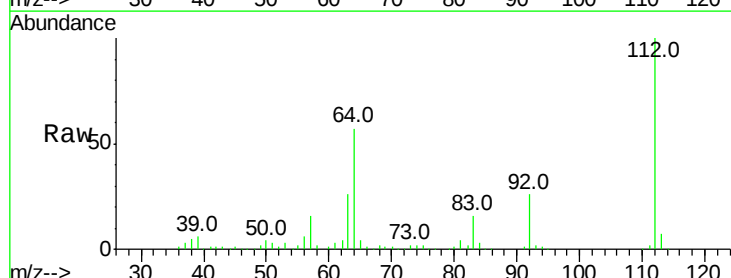
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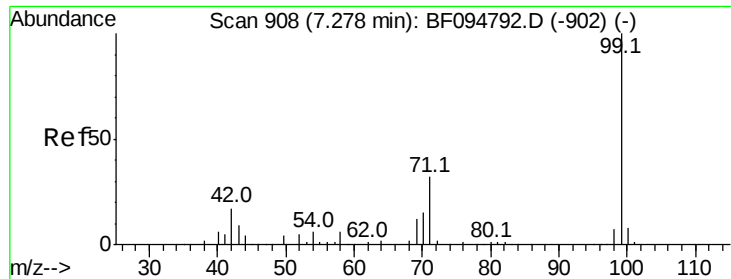
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#5
 2-Fluorophenol
 Concen: 92.52 ng
 RT: 5.70 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.0	69.0
63	26.4	23.4	35.0





#7

Phenol-d6

Concen: 94.09 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095523.D

Acq: 28 May 2017 5:19

Instrument :

BNA_F

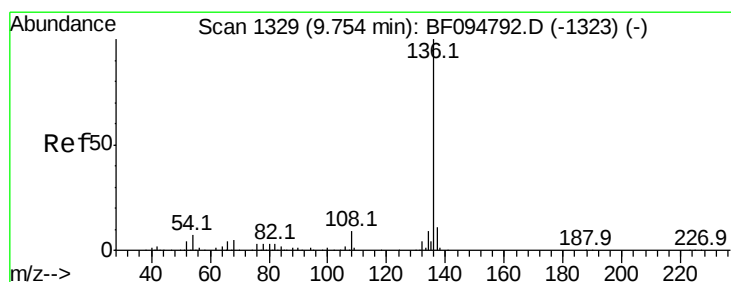
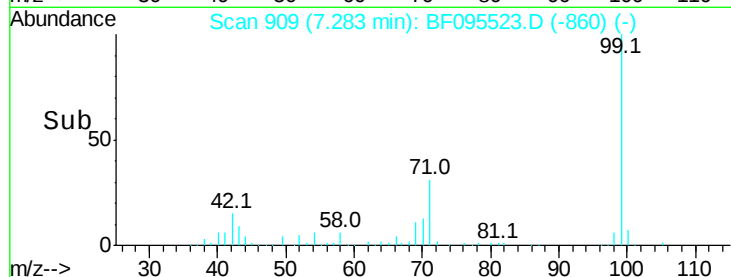
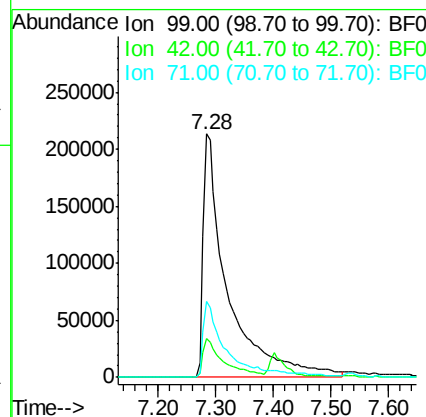
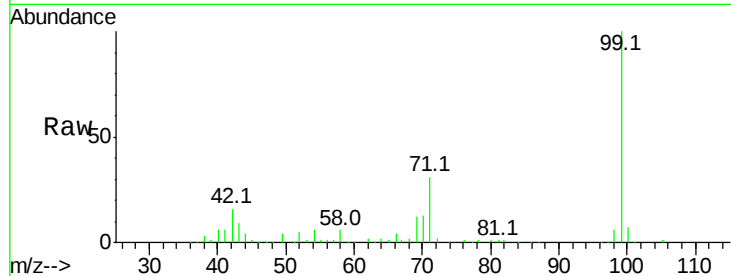
ClientSampleId :

DUP-1

Tot Ion:	99	Resp:	630354
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

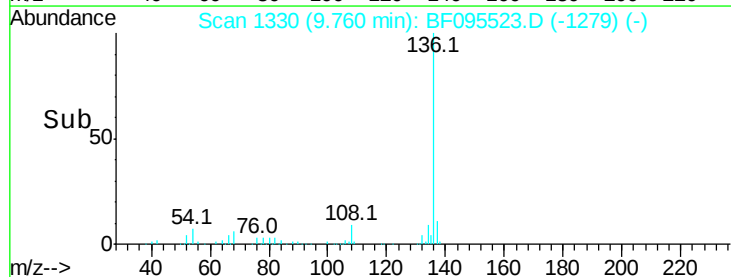
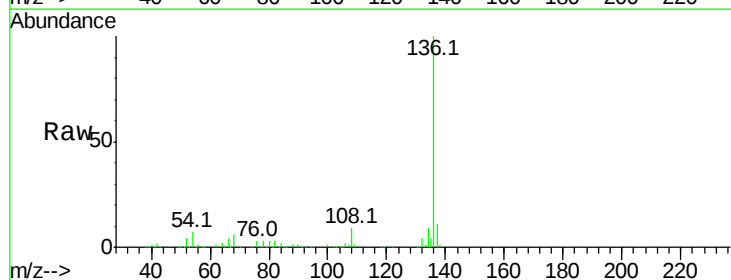
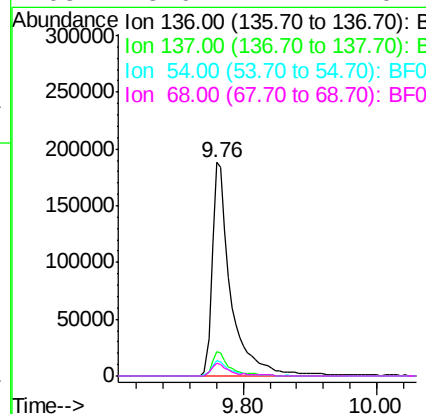
RT: 9.76 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF095523.D

Acq: 28 May 2017 5:19

Tgt Ion:	136	Resp:	367364
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	7.1	4.9	7.3
68	5.9	4.1	6.1





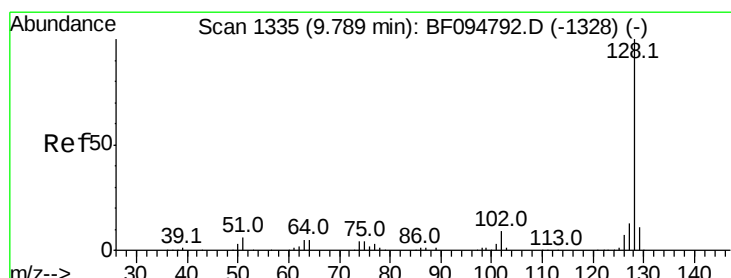
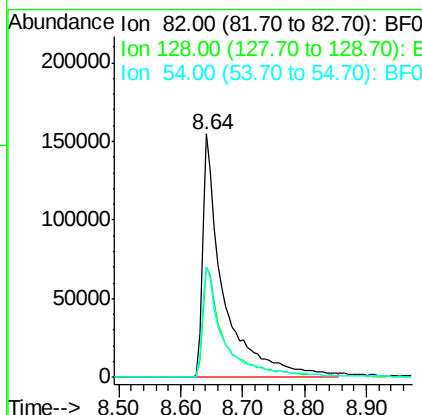
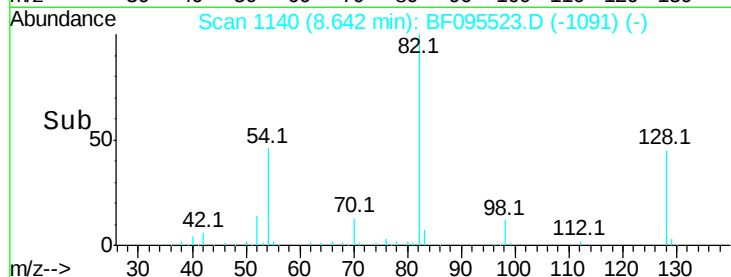
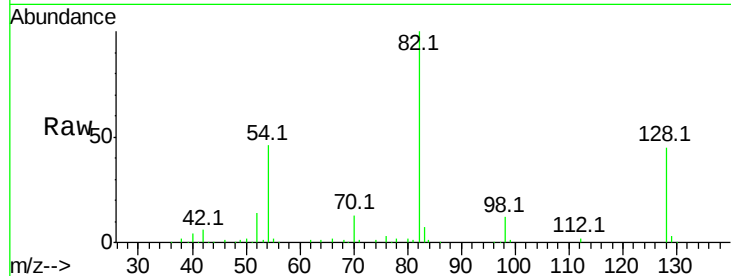
#23
 Nitrobenzene-d5
 Concen: 62.66 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Instrument :
 BNA_F
 ClientSampled :
 DUP-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	34.0	51.0	
54	45.6	42.2	63.2	

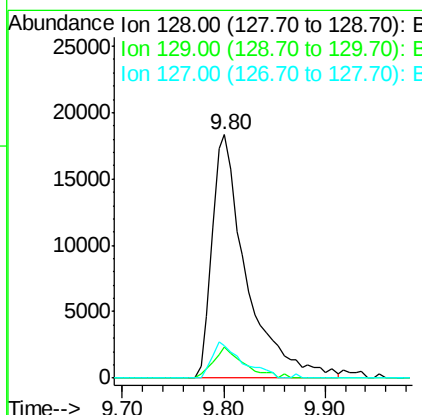
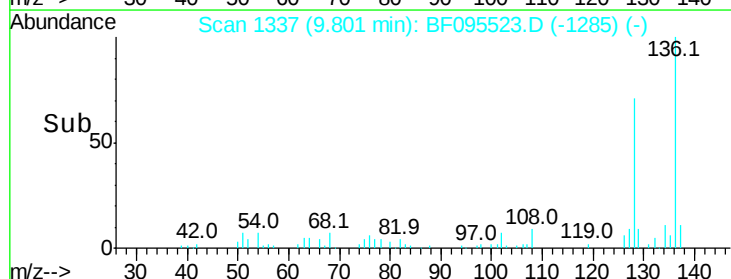
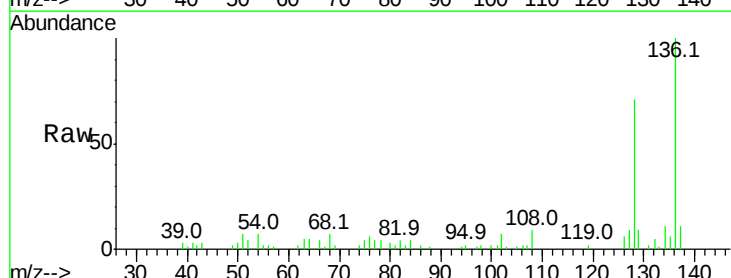
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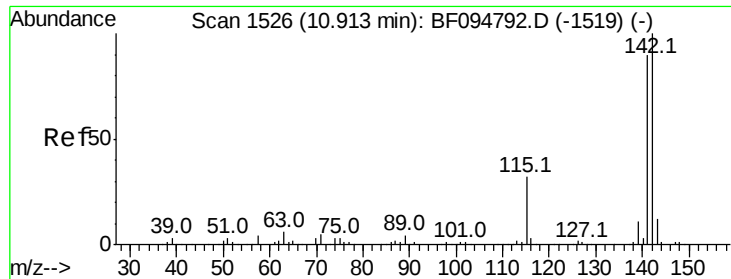
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#31
 Naphthalene
 Concen: 2.33 ng
 RT: 9.80 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	12.8	9.0	13.6	
127	13.2	10.8	16.2	





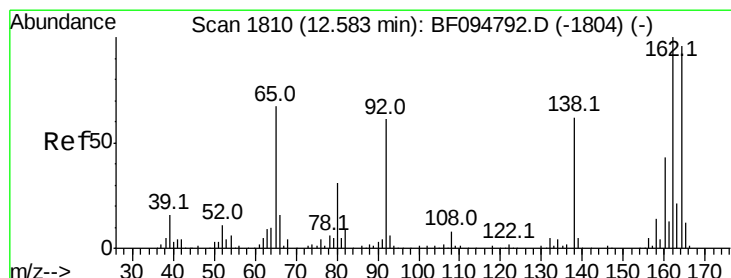
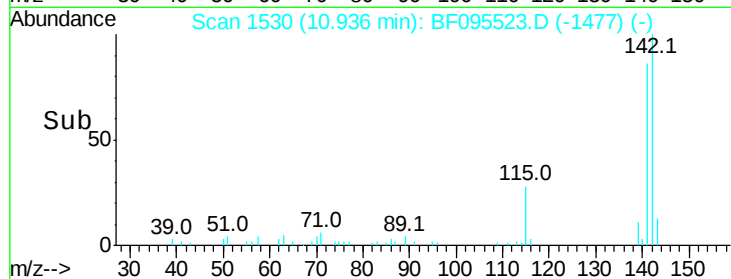
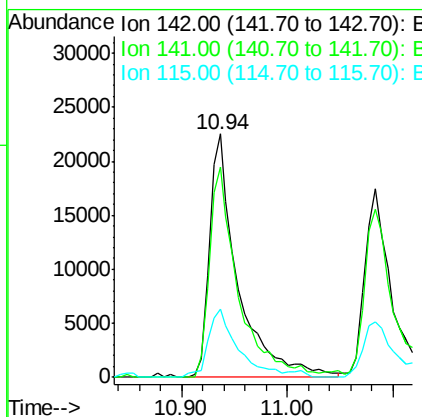
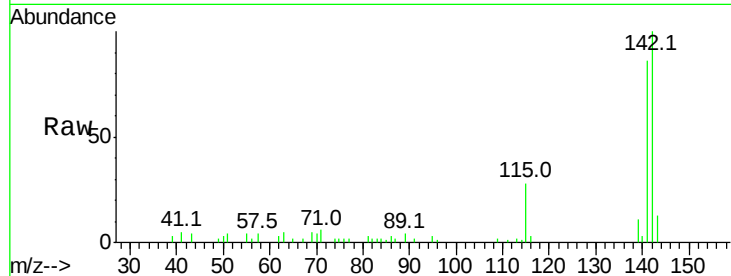
#37
2-Methylnaphthalene
Concen: 3.49 ng
RT: 10.94 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	71.3	106.9
115	28.1	27.1	40.7

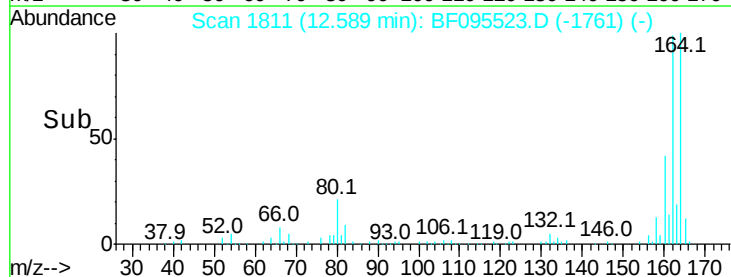
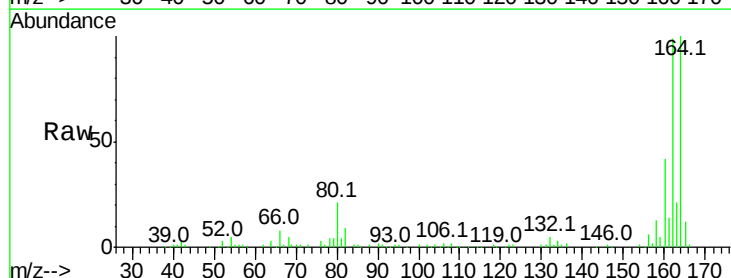
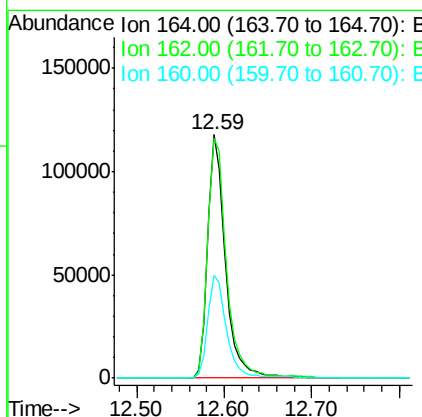
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	82.6	123.8
160	42.2	36.2	54.2





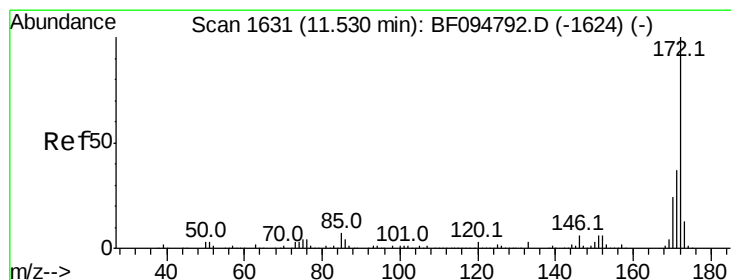
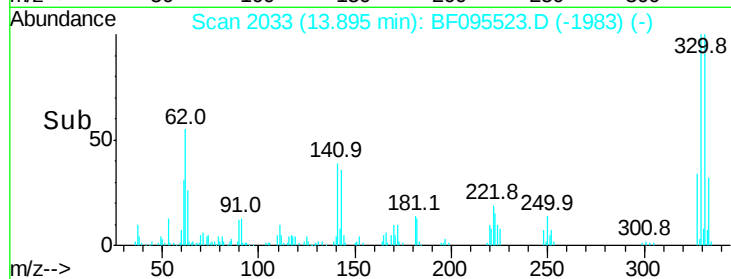
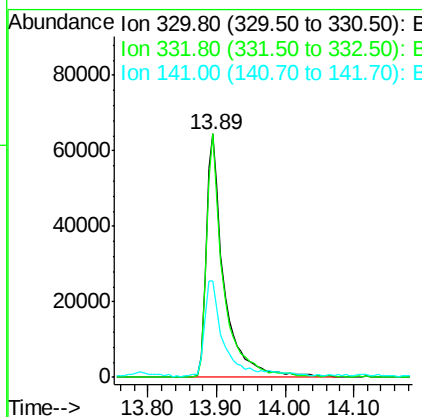
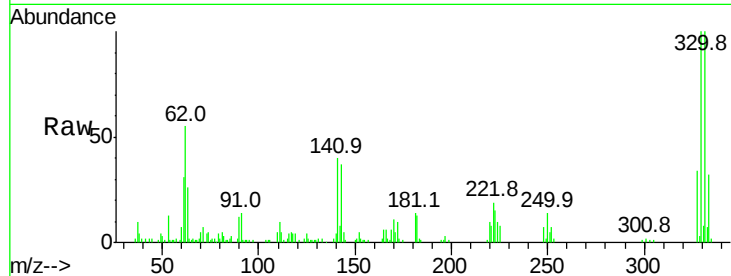
#41
 2,4,6-Tribromophenol
 Concen: 84.98 ng
 RT: 13.89 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Instrument :
 BNA_F
 ClientSampled :
 DUP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.6	115.0	
141	46.2	31.4	47.2	

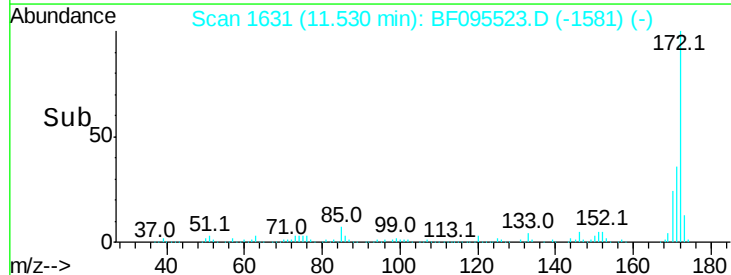
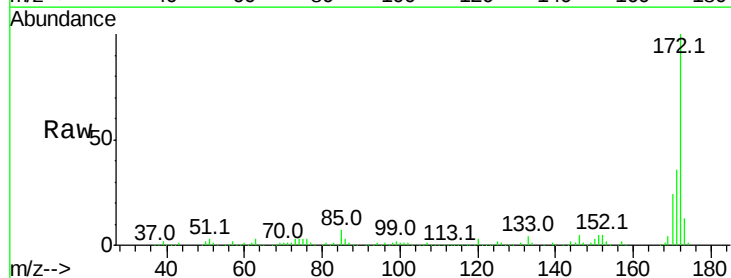
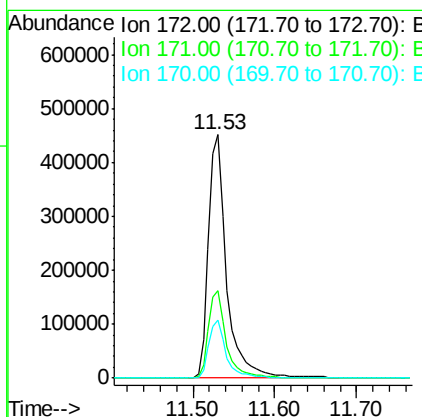
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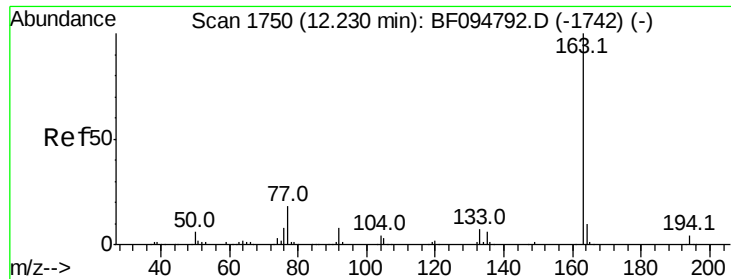
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#44
 2-Fluorobiphenyl
 Concen: 60.07 ng
 RT: 11.53 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.6	44.4	
170	23.9	19.8	29.8	





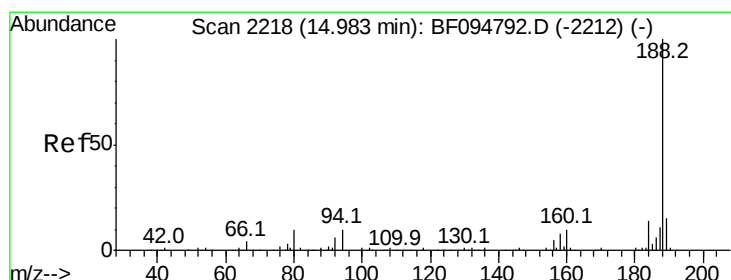
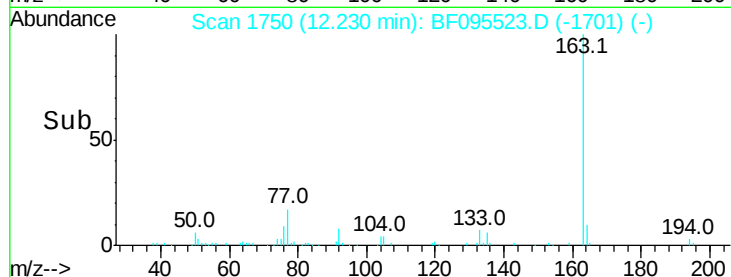
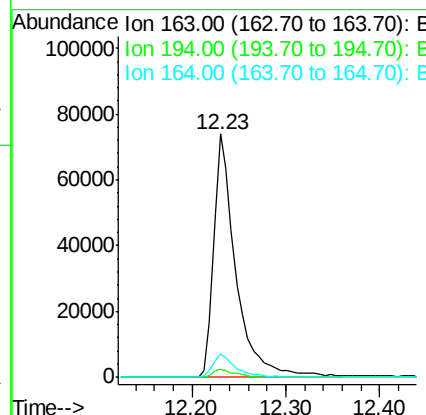
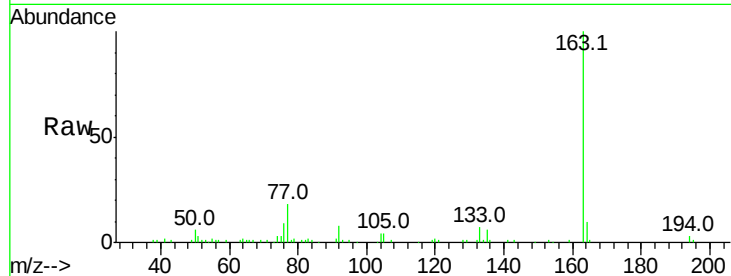
#49
Dimethylphthalate
Concen: 8.96 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Instrument :
BNA_F
ClientSampled :
DUP-1

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.7	8.4	12.6

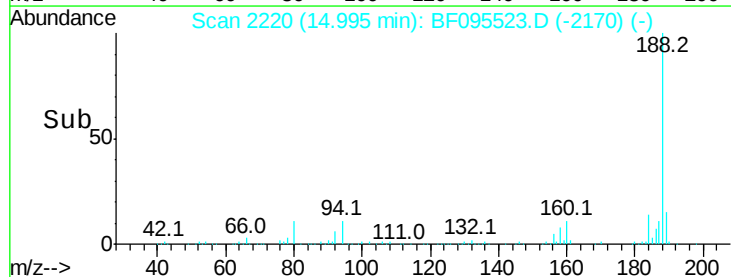
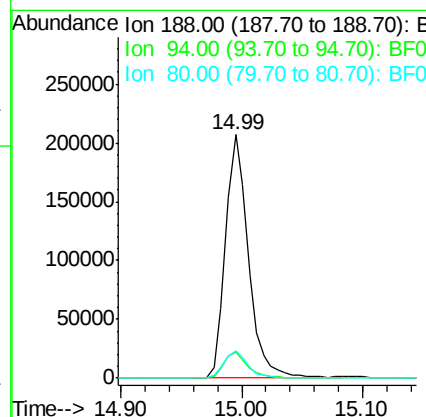
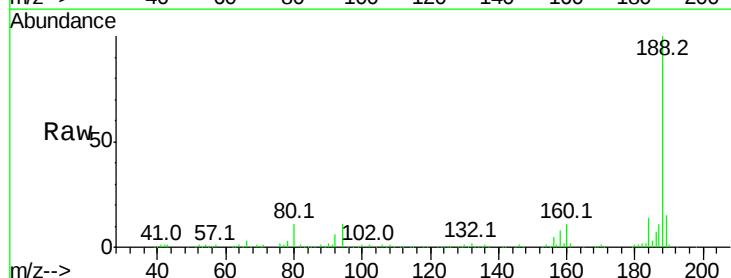
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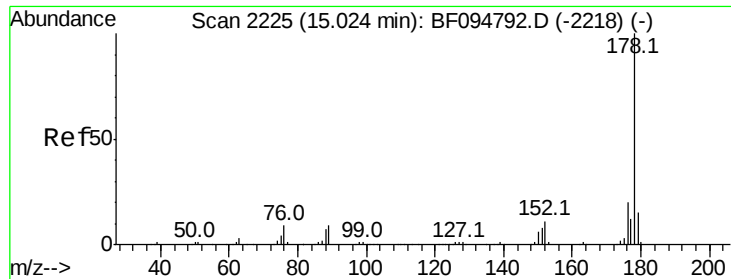
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.4	10.2	15.2





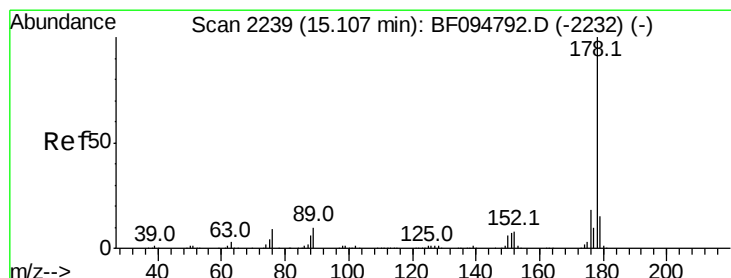
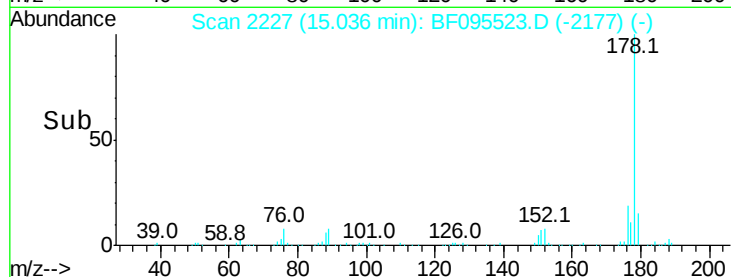
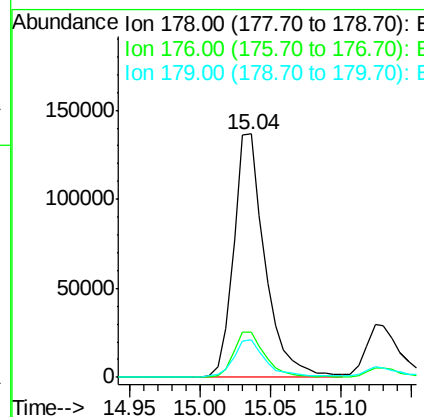
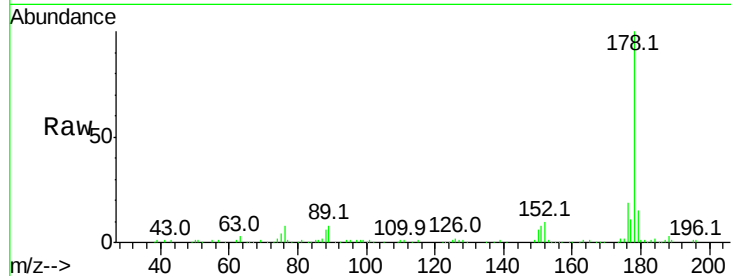
#70
Phenanthrene
Concen: 13.53 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.3	12.6	19.0

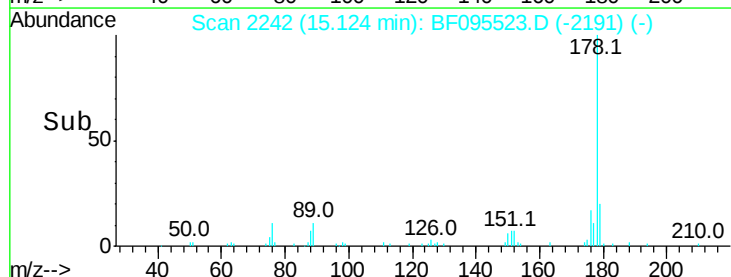
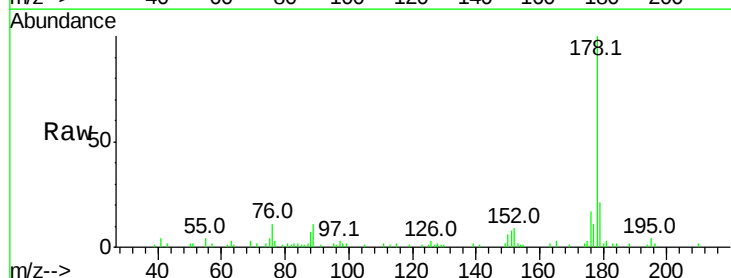
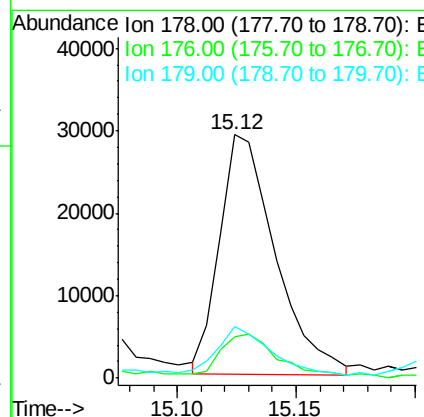
Manual Integrations
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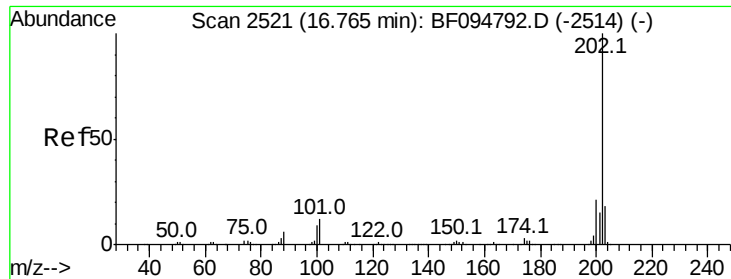
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#71
Anthracene
Concen: 2.97 ng m
RT: 15.12 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.8	23.8
179	21.1	12.7	19.1#





#74

Fluoranthene

Concen: 21.82 ng

RT: 16.78 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BF095523.D

Acq: 28 May 2017 5:19

Instrument :

BNA_F

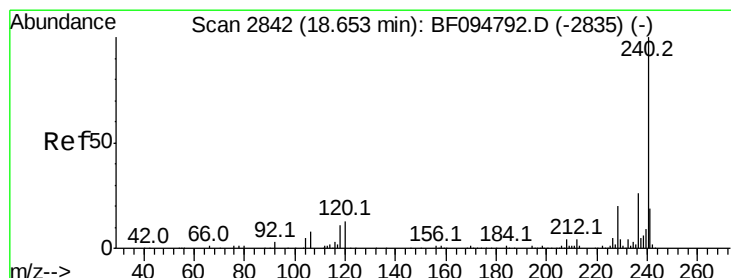
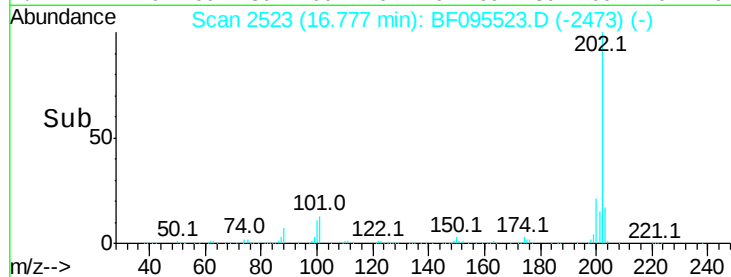
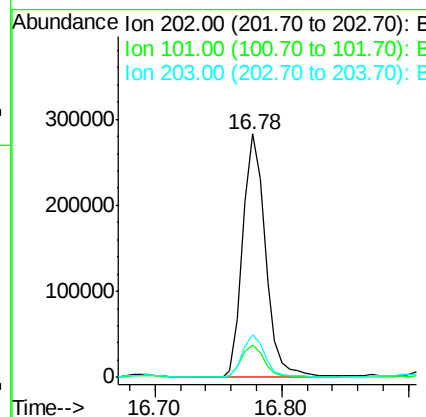
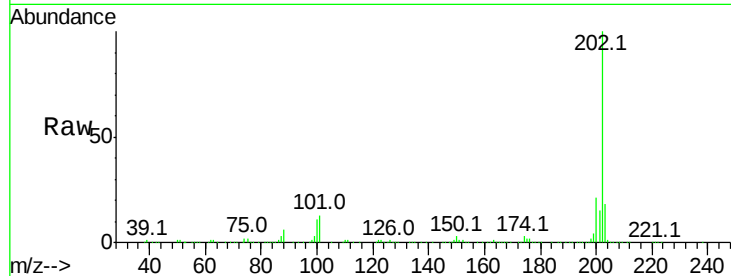
ClientSampleId :

DUP-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

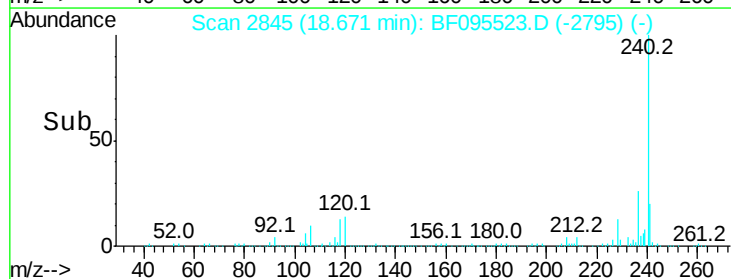
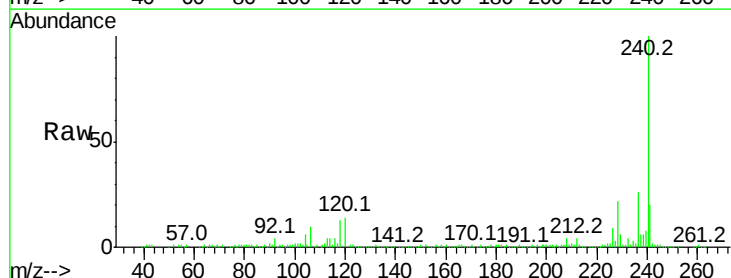
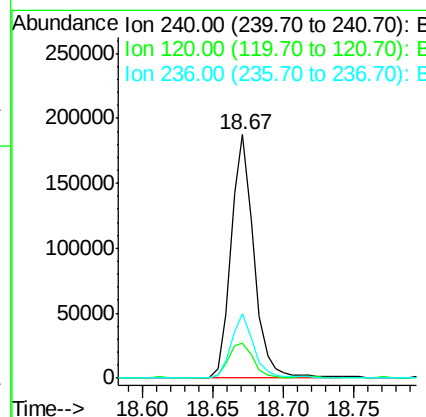
RT: 18.67 min Scan# 2845

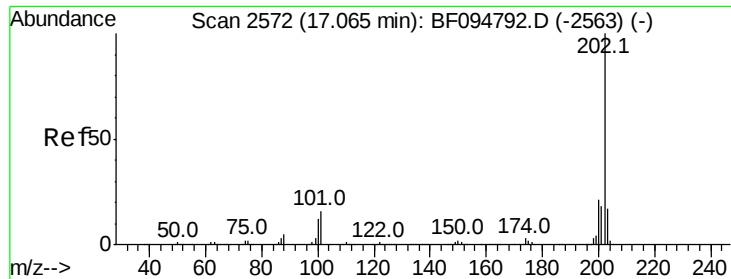
Delta R.T. -0.01 min

Lab File: BF095523.D

Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	26.5	20.5	30.7





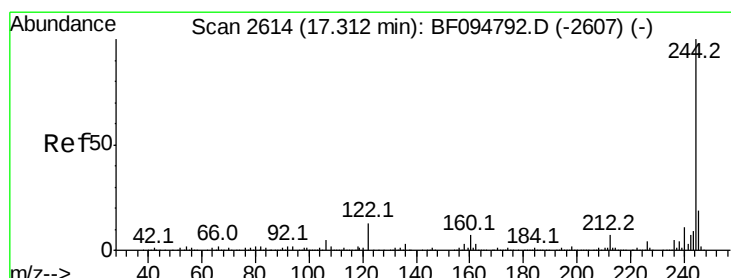
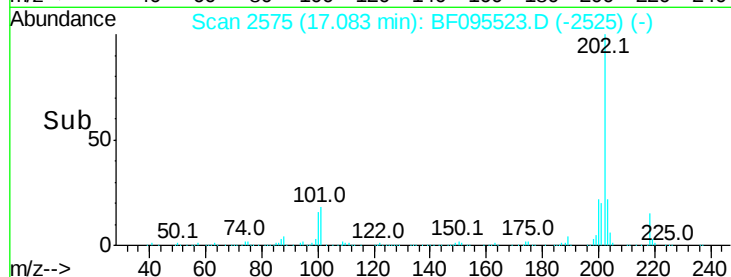
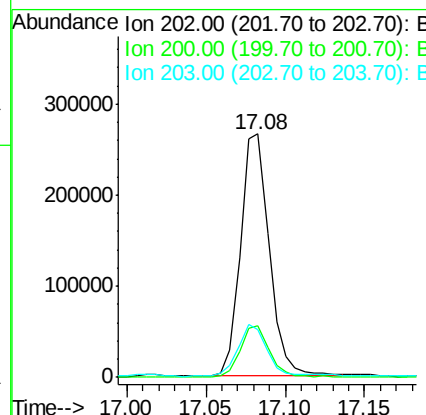
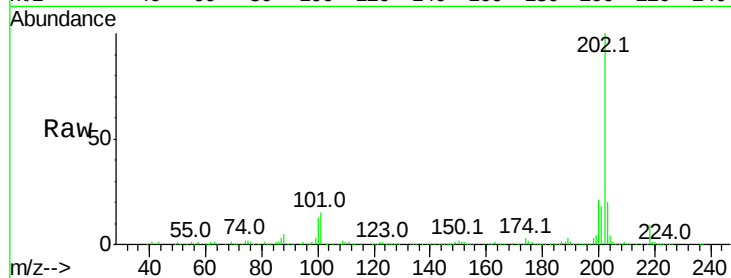
#77
Pvrene
Concen: 21.52 ng
RT: 17.08 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Instrument :
BNA_F
ClientSampleId :
DUP-1

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

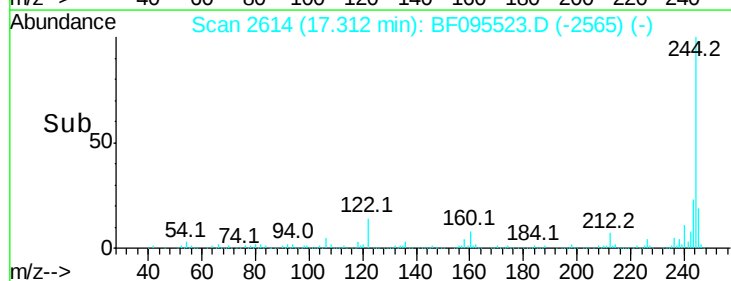
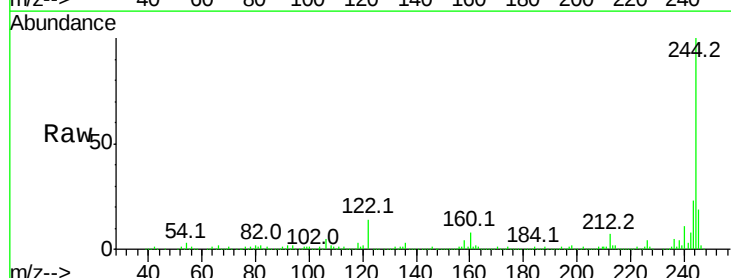
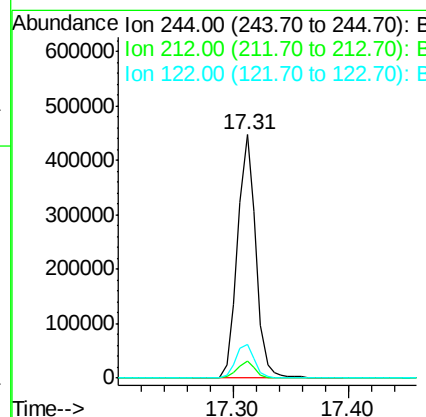
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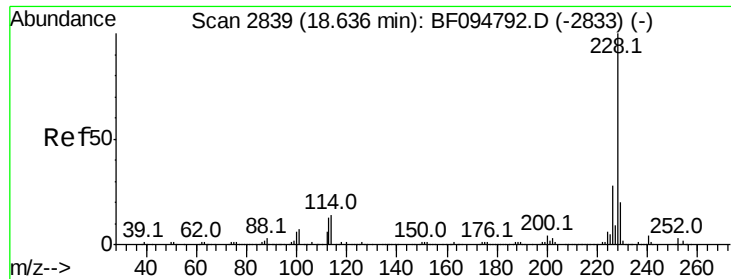
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#78
Terphenyl-d14
Concen: 52.01 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.0	10.3	15.5





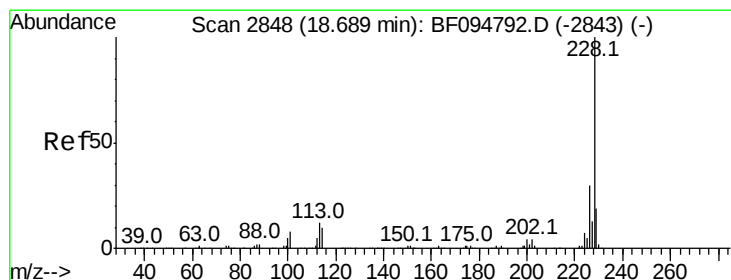
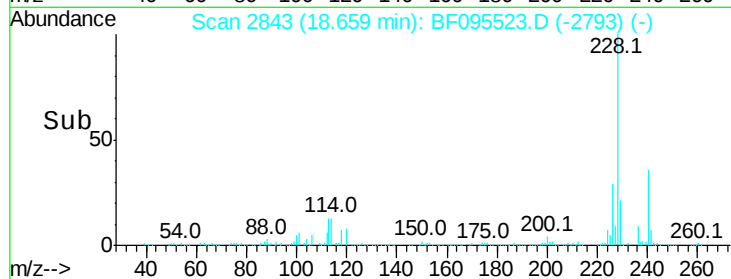
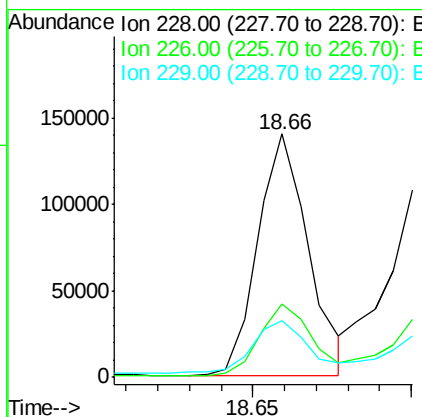
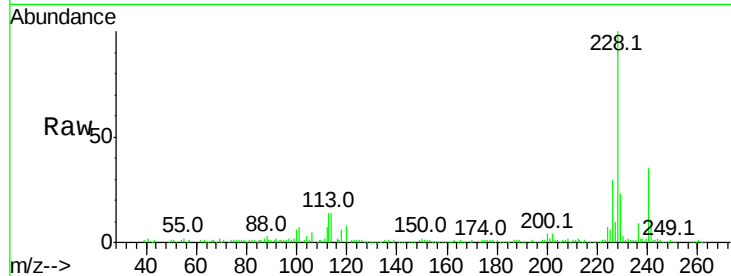
#80
Benzo(a)anthracene
Concen: 12.84 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Resp	Lower	Upper
228	100	155566		
226	30.1		22.6	33.8
229	23.3		16.3	24.5

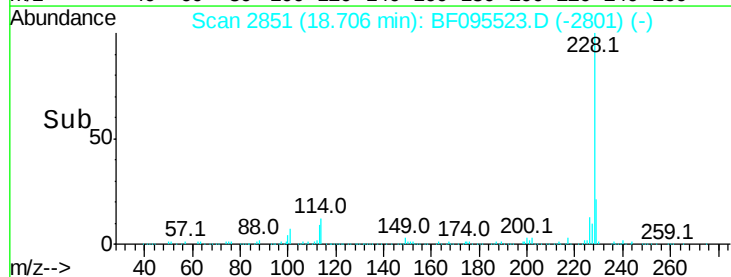
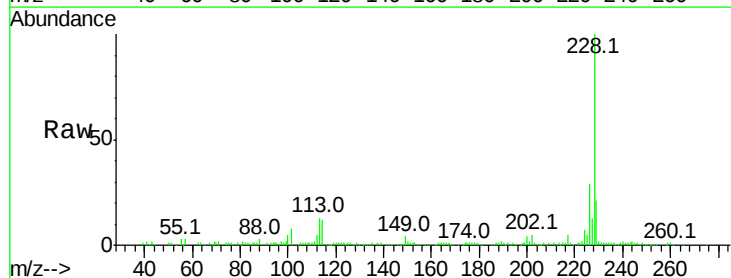
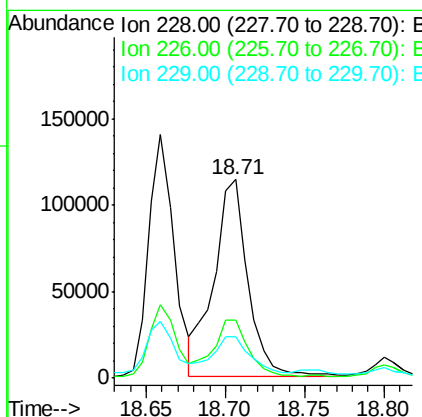
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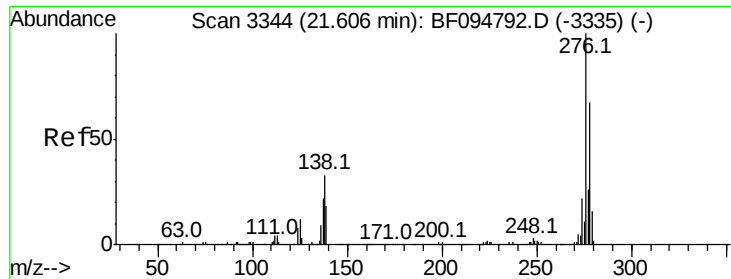
mohammad
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#82
Chrysene
Concen: 14.48 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	169641		
226	29.3		24.9	37.3
229	21.2		15.8	23.6





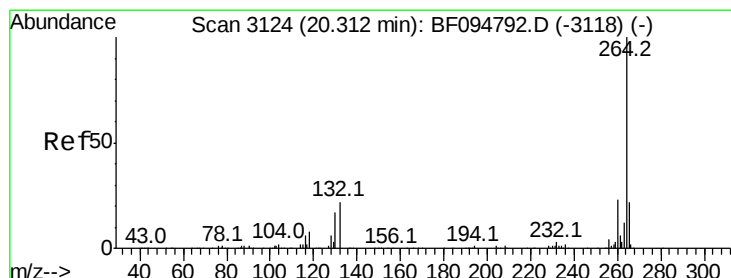
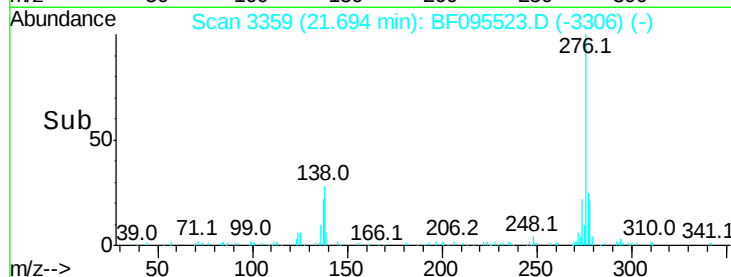
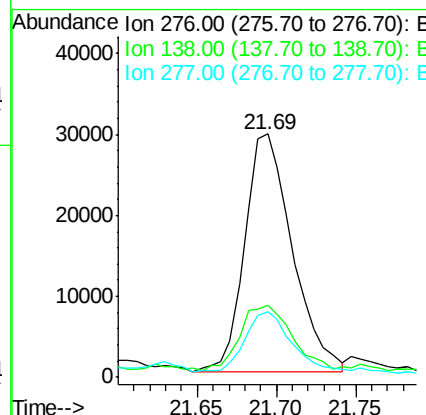
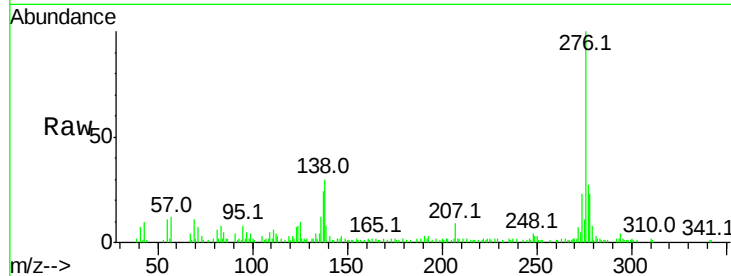
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.46 ng
 RT: 21.69 min Scan# 3359
 Delta R.T. 0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.2	27.8	41.6
277	23.5	20.2	30.4

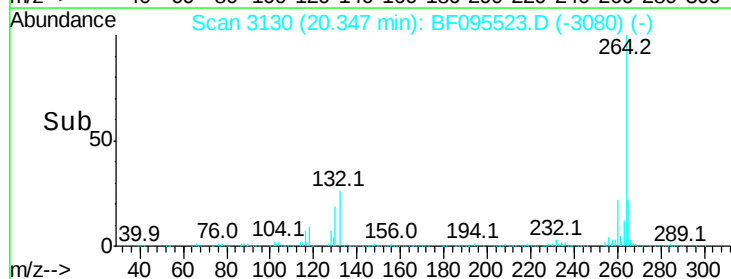
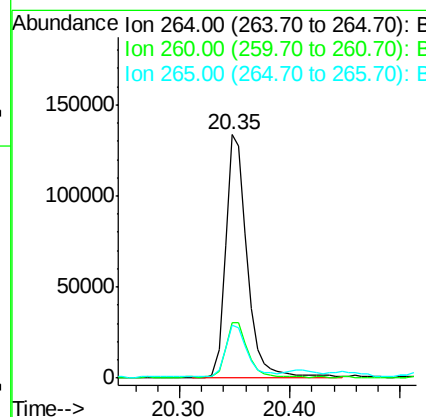
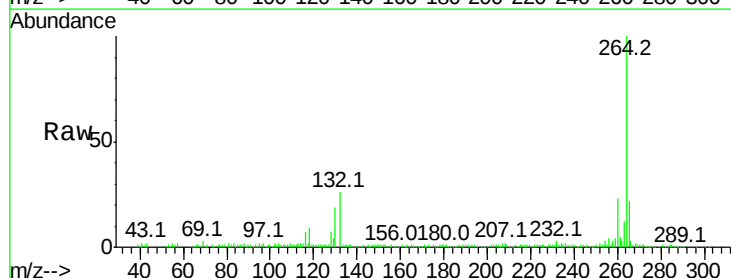
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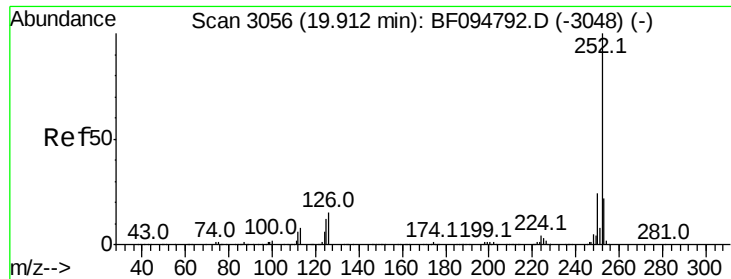
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 15.26 ng m

RT: 19.94 min Scan# 3061

Delta R.T. -0.00 min

Lab File: BF095523.D

Acq: 28 May 2017 5:19

Instrument :

BNA_F

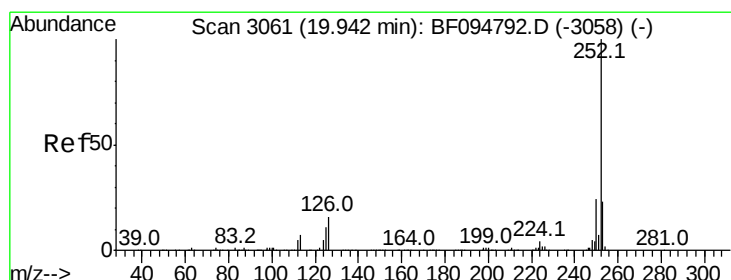
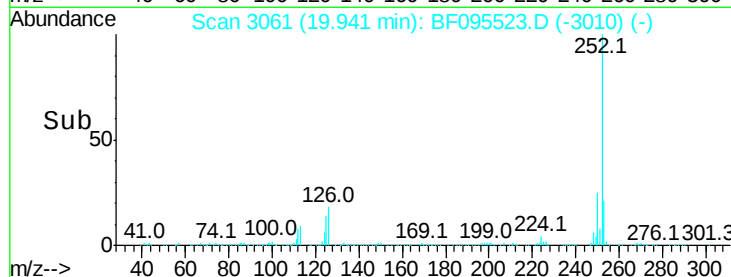
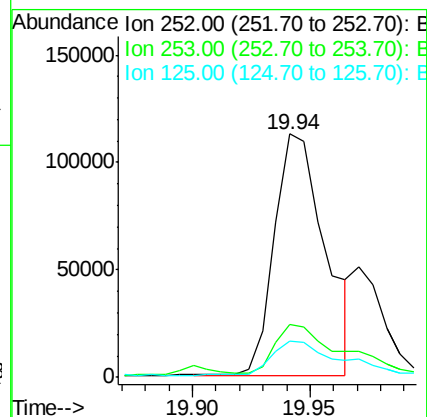
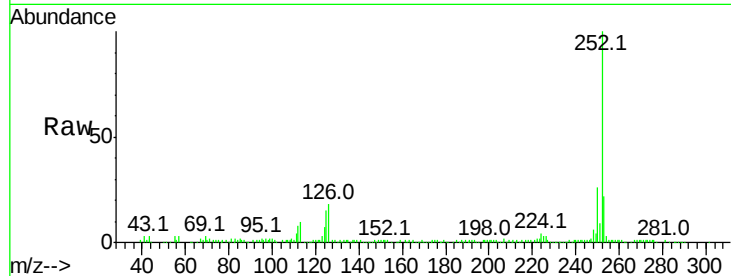
ClientSampled :

DUP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	14.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.52 ng m

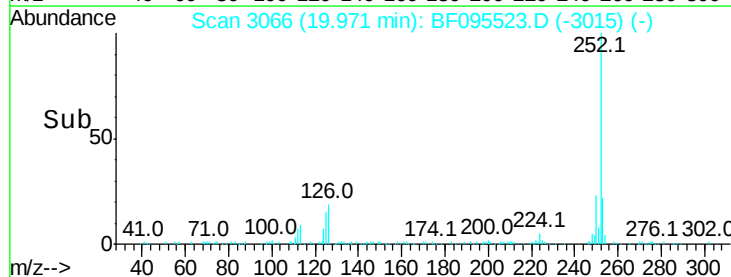
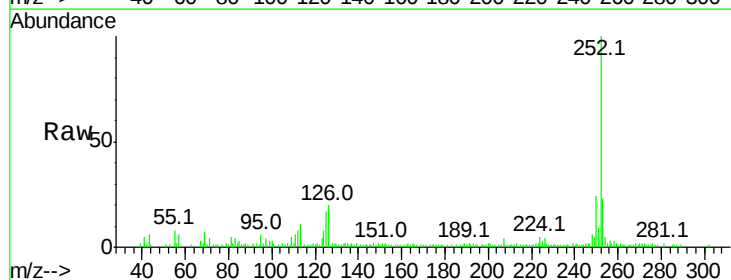
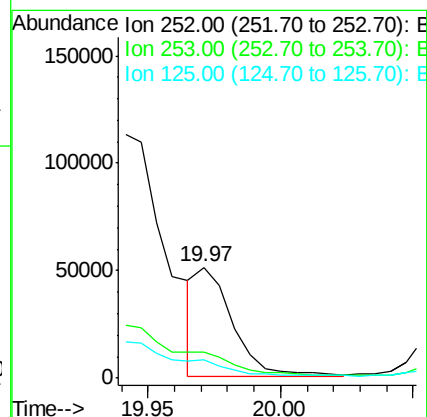
RT: 19.97 min Scan# 3066

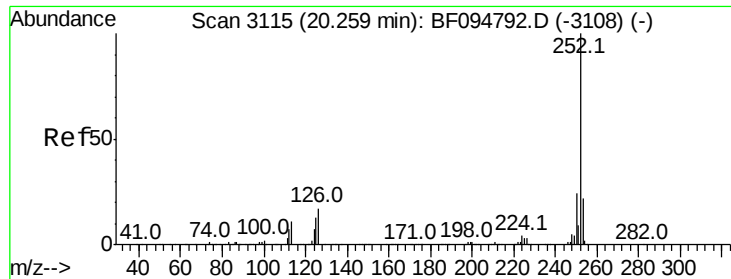
Delta R.T. -0.00 min

Lab File: BF095523.D

Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	16.8	13.1	19.7





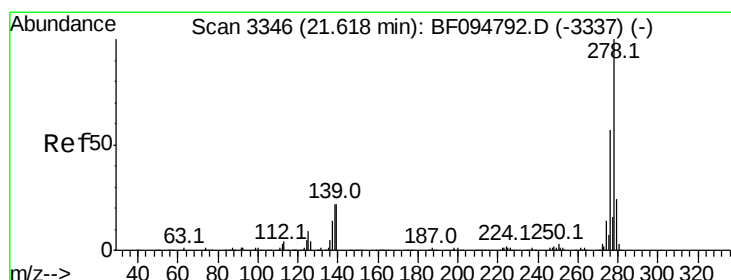
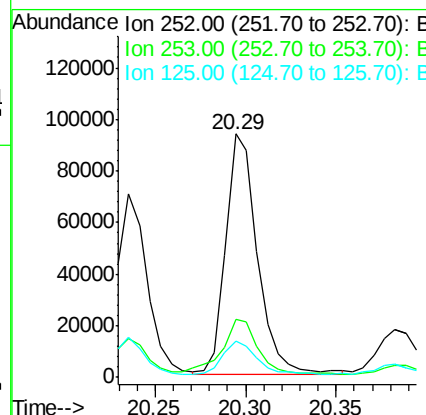
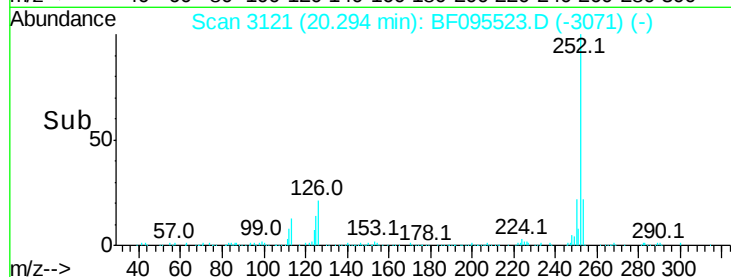
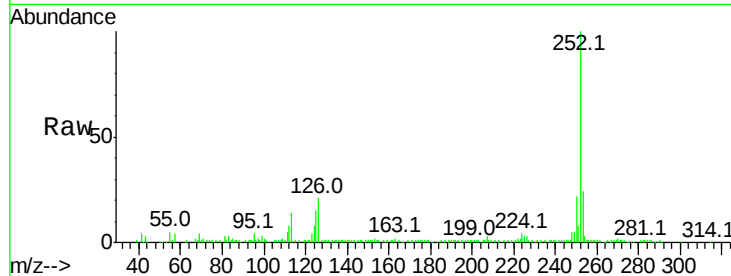
#89
Benzo(a)pyrene
Concen: 11.11 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	14.9	11.0	16.4

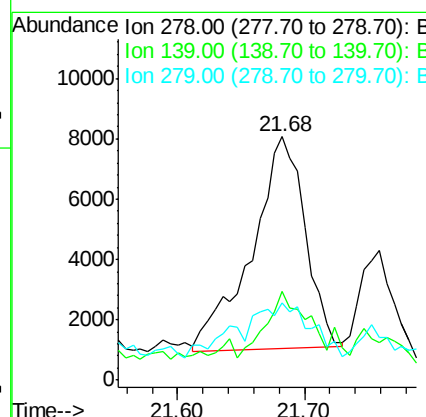
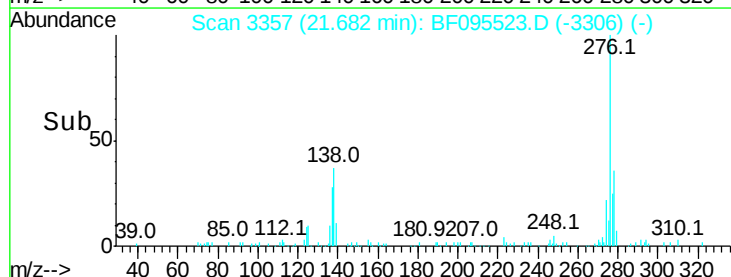
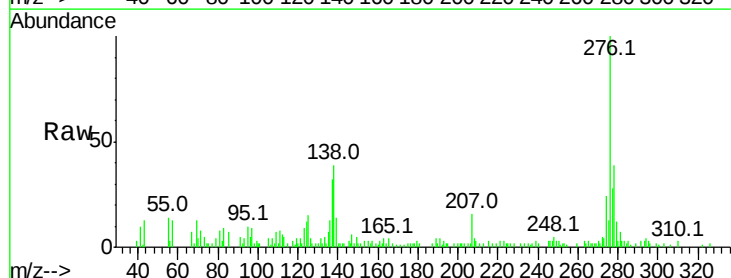
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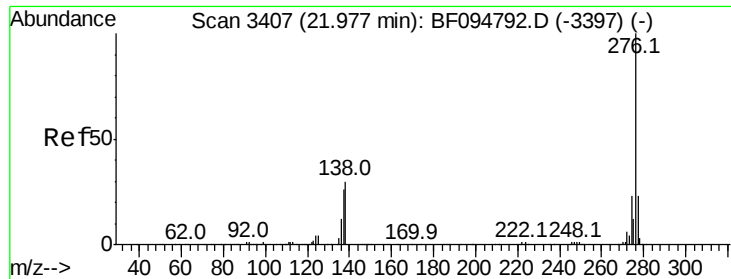
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#90
Dibenzo(a,h)anthracene
Concen: 2.42 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.00 min
Lab File: BF095523.D
Acq: 28 May 2017 5:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.4	16.6	24.8#
279	31.8	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 7.40 ng
 RT: 22.08 min Scan# 3425
 Delta R.T. 0.01 min
 Lab File: BF095523.D
 Acq: 28 May 2017 5:19

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Tot Ion:	276	Resp:	61773
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.6	28.0
138	32.8	25.4	38.0

Manual Integrations
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