

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095730.D
 Acq On : 7 Jun 2017 2:23
 Operator : SJ/MA
 Sample : I3482-10 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-D

Manual Integrations
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Quant Time: Jun 07 04:39:46 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	76617	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	282695	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	112141	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	171337	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	140069	20.00	ng	-0.01
86) Perylene-d12	20.01	264	105342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	182745	38.01	ng	-0.01
7) Phenol-d6	6.94	99	229230	39.82	ng	-0.02
23) Nitrobenzene-d5	8.29	82	126173	27.72	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	35076	35.35	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	243886	30.26	ng	-0.02
78) Terphenyl-d14	17.00	244	159971	28.34	ng	-0.02
Target Compounds						
48) Acenaphthylene	12.01	152	40705	3.296	ng	Qvalue 99
49) Dimethylphthalate	11.89	163	27876	3.274	ng	# 99
57) Fluorene	13.13	166	26225	3.002	ng	# 97
70) Phenanthrene	14.66	178	189687	19.188	ng	96
71) Anthracene	14.75	178	80926	7.841	ng	97
74) Fluoranthene	16.44	202	298600	30.517	ng	99
77) Pyrene	16.75	202	366921	35.108	ng	97
80) Benzo(a)anthracene	18.33	228	163167	20.036	ng	96
82) Chrysene	18.38	228	161493	19.843	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	47514	6.823	ng	94
87) Benzo(b)fluoranthene	19.61	252	124149m	18.821	ng	
88) Benzo(k)fluoranthene	19.64	252	44696m	7.089	ng	
89) Benzo(a)pyrene	19.96	252	102998	16.989	ng	# 96
90) Dibenzo(a,h)anthracene	21.20	278	15398	2.994	ng	# 88
91) Benzo(g,h,i)perylene	21.53	276	49258	9.395	ng	97

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

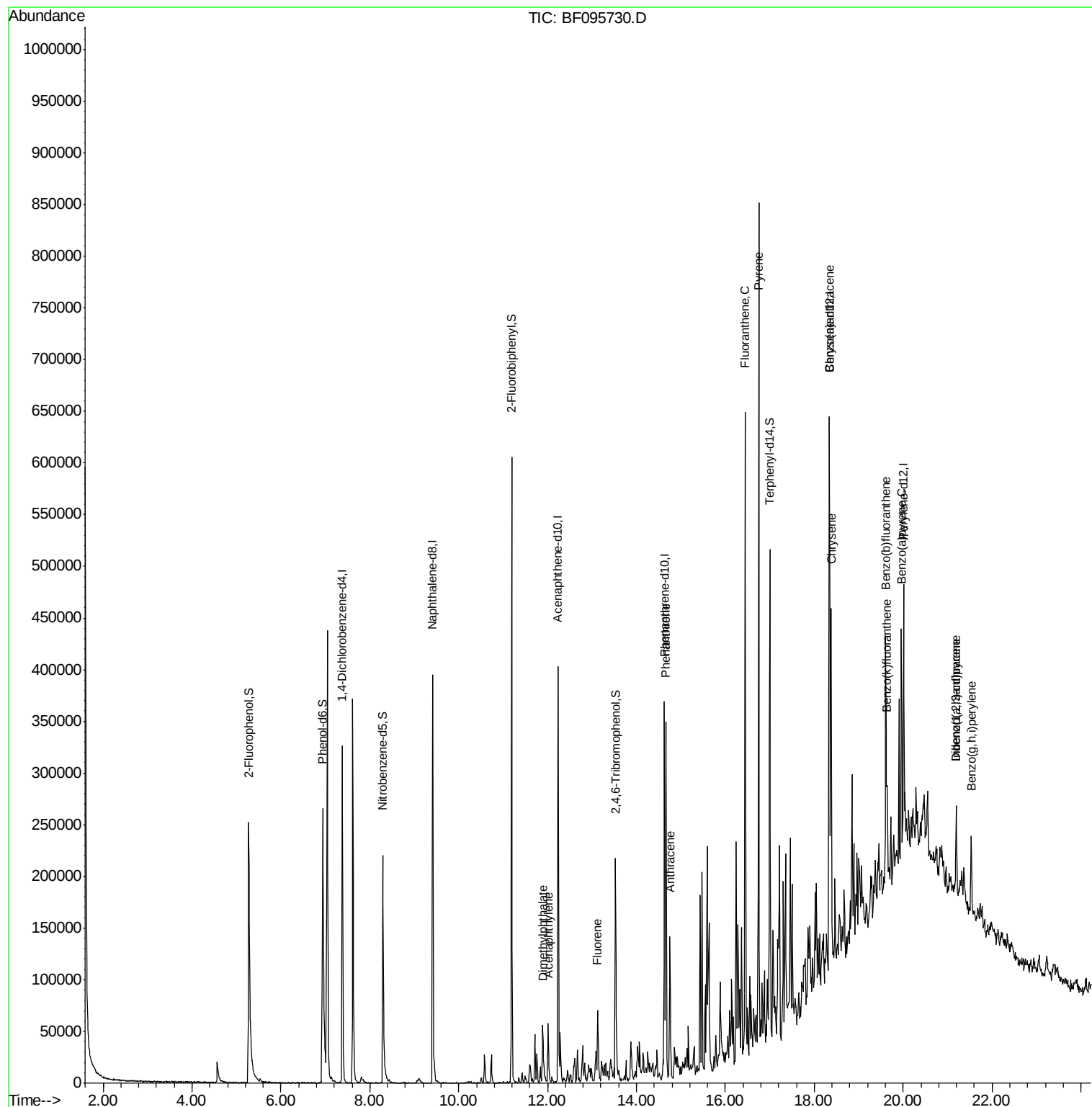
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
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ALS Vial : 20 Sample Multiplier: 1

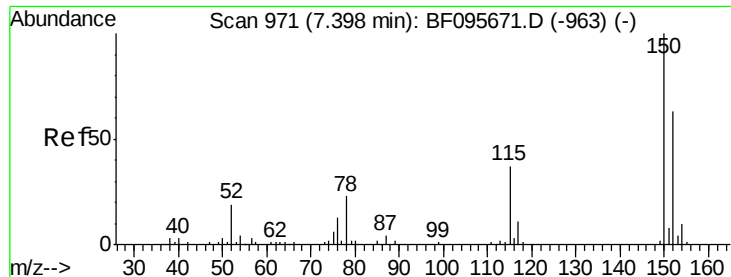
Instrument :
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CL-01-060517-D

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

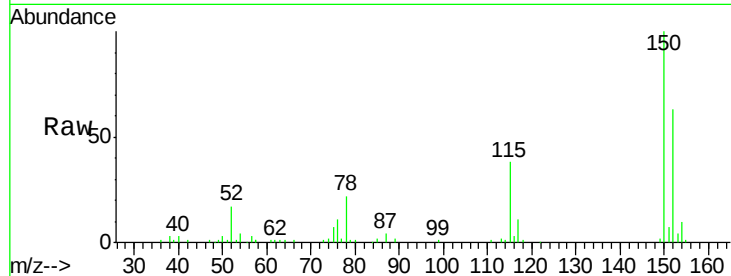
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

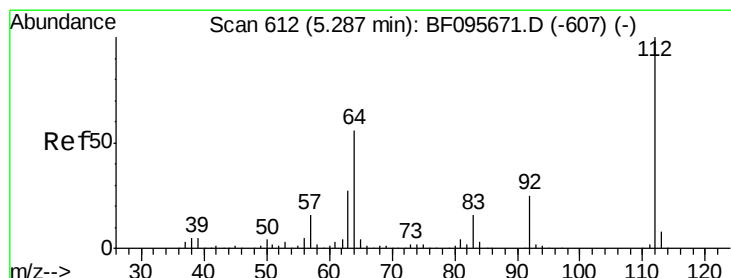
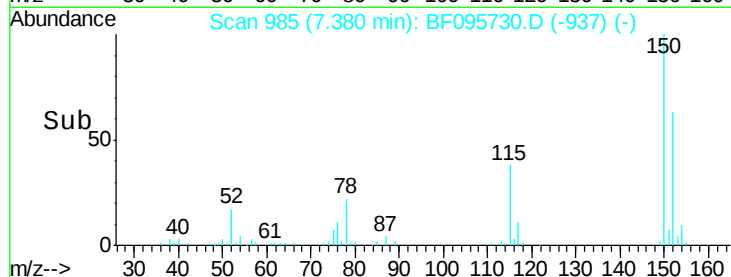
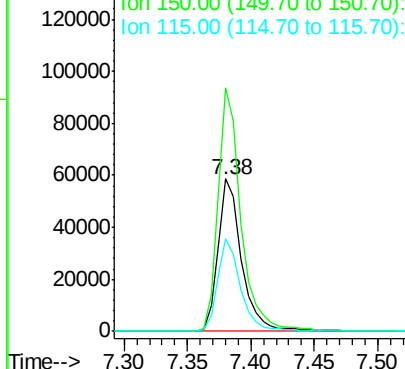
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.2	189.2
115	60.6	52.2	78.2

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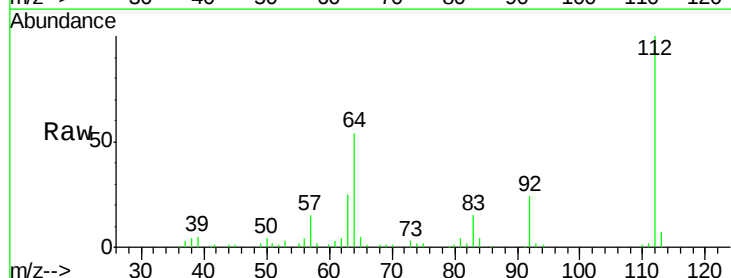
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



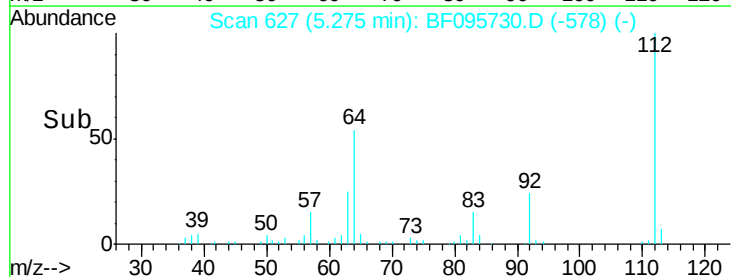
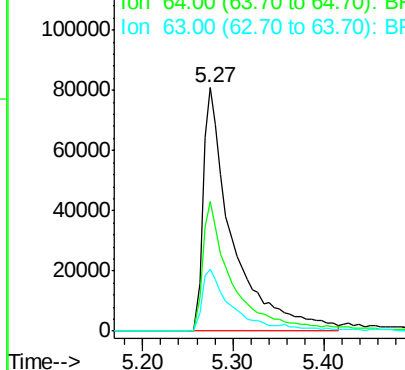
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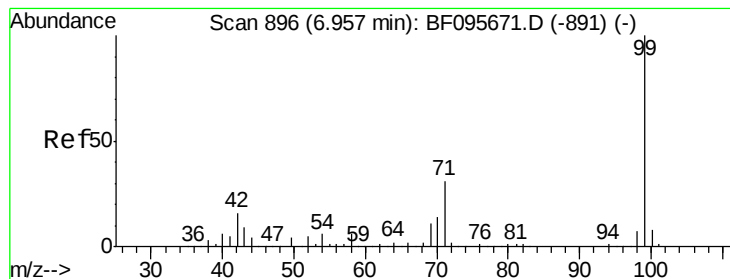
2-Fluorophenol
Concen: 38.007 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	25.2	23.4	35.0



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: 39.823 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095730.D

Acq: 7 Jun 2017 2:23

Instrument :

BNA_F

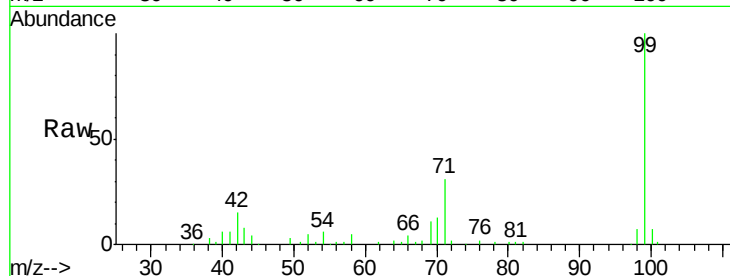
ClientSampleId :

CL-01-060517-D

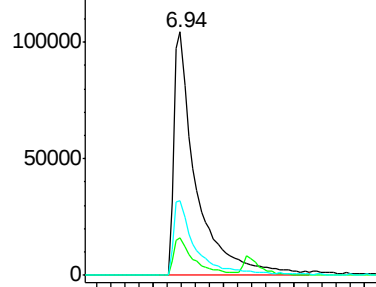
Tgt Ion:	99	Resp:	229230
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.5	20.3
71	30.6	24.5	36.7

Manual Integrations
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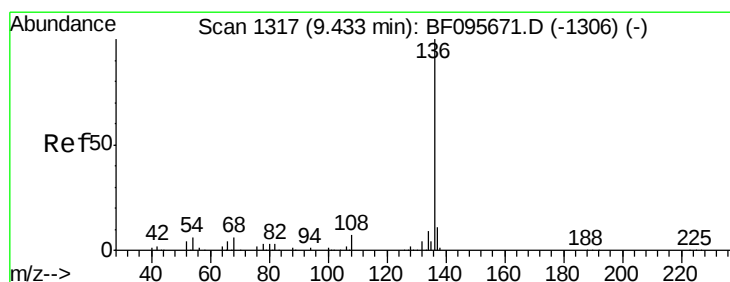
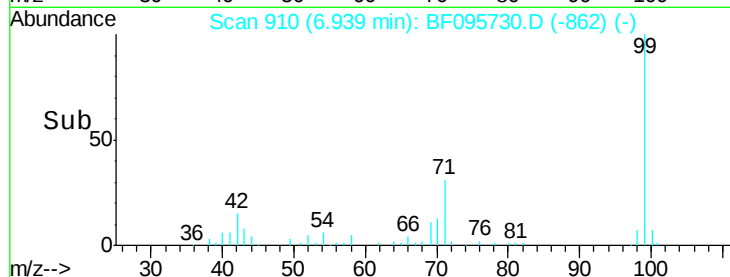
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.42 min Scan# 1331

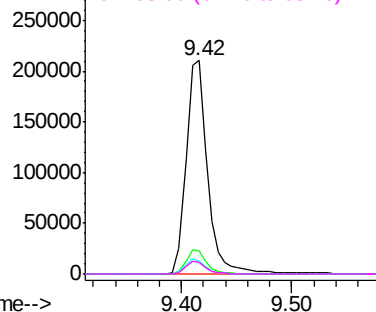
Delta R.T. -0.02 min

Lab File: BF095730.D

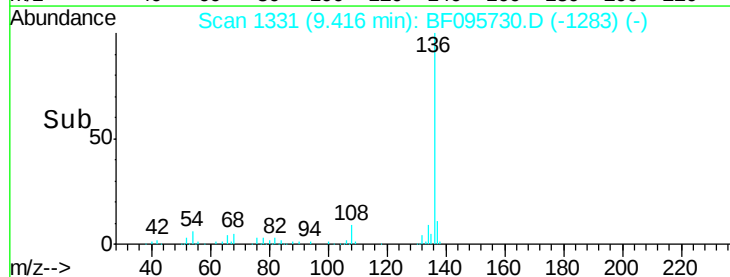
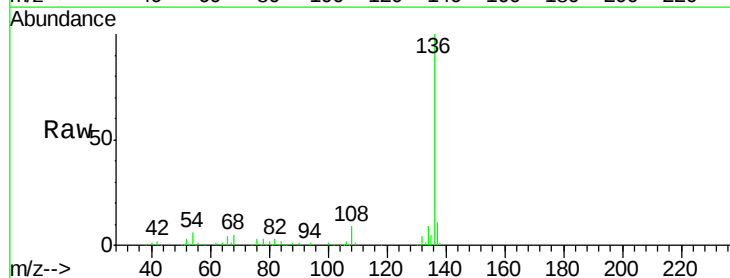
Acq: 7 Jun 2017 2:23

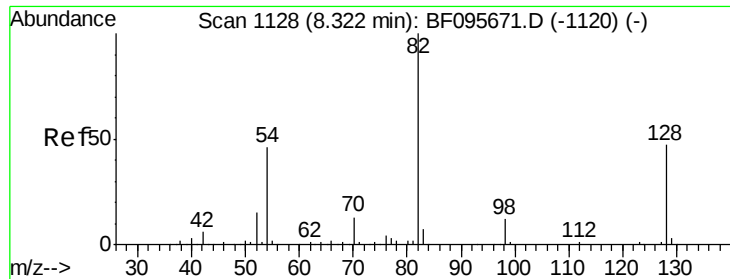
Tgt Ion:	136	Resp:	282695
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.2	4.9	7.3
68	5.4	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



Time-->





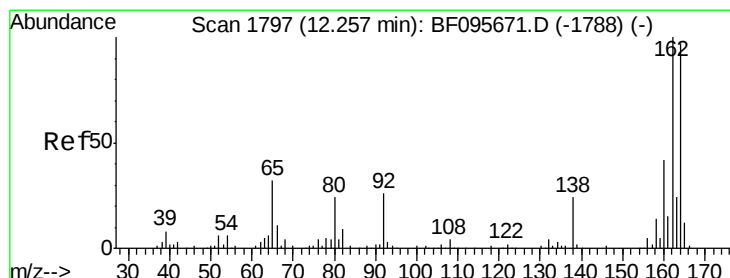
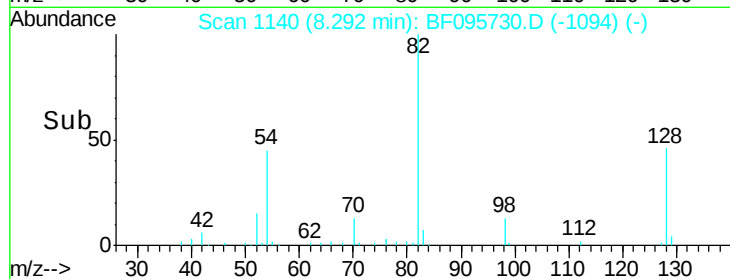
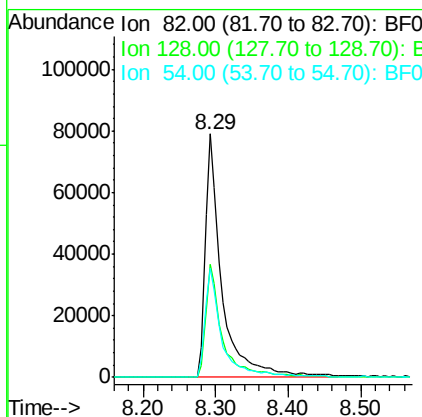
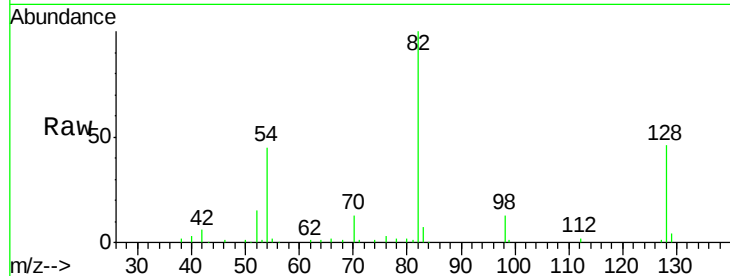
#23
 Nitrobenzene-d5
 Concen: 27.719 ng
 RT: 8.29 min Scan# 1140
 Delta R.T. -0.03 min
 Lab File: BF095730.D
 Acq: 7 Jun 2017 2:23

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-D

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	126173		
128	46.5	34.0	51.0	
54	44.6	42.2	63.2	

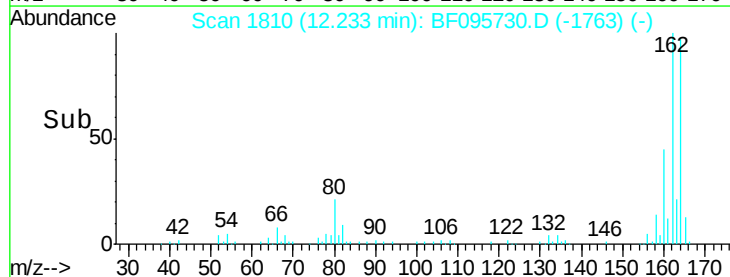
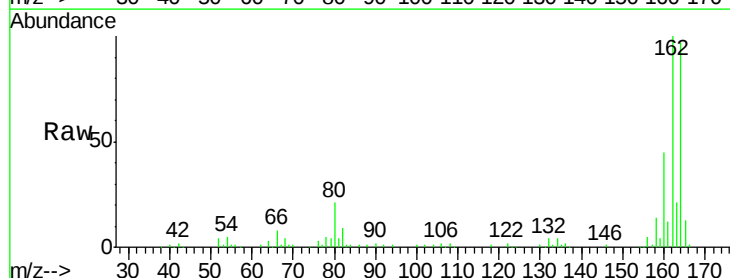
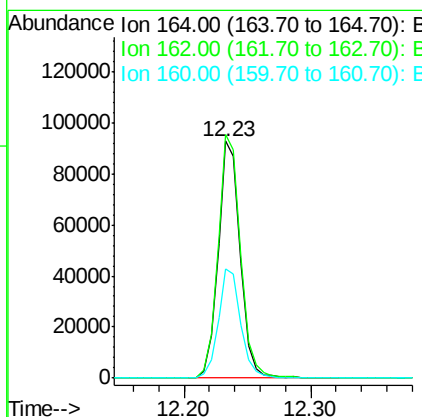
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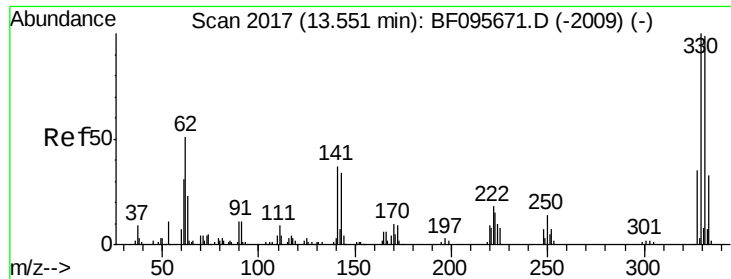
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.23 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF095730.D
 Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112141		
162	102.9	82.6	123.8	
160	45.9	36.2	54.2	





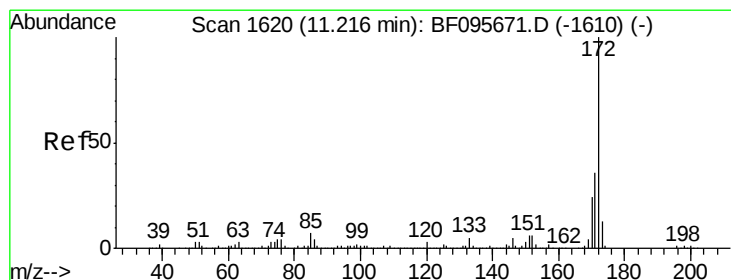
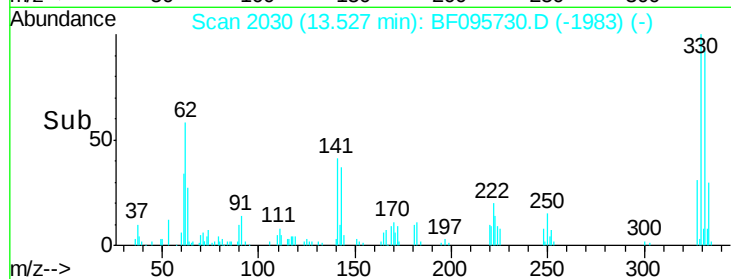
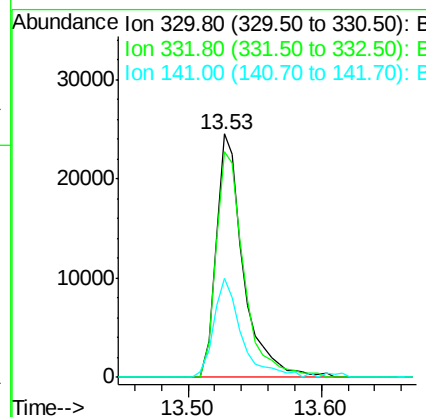
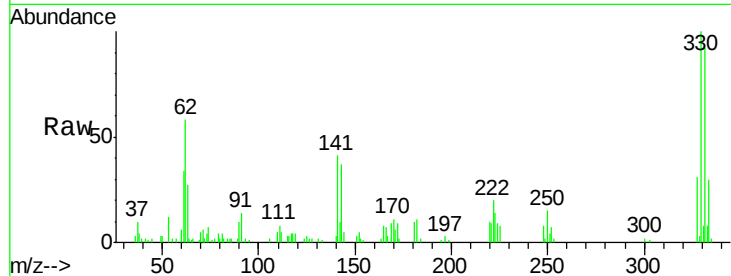
#41
 2,4,6-Tribromophenol
 Concen: 35.352 ng
 RT: 13.53 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF095730.D
 Acq: 7 Jun 2017 2:23

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-D

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	35076		
332	95.2	76.6	115.0	
141	41.4	31.4	47.2	

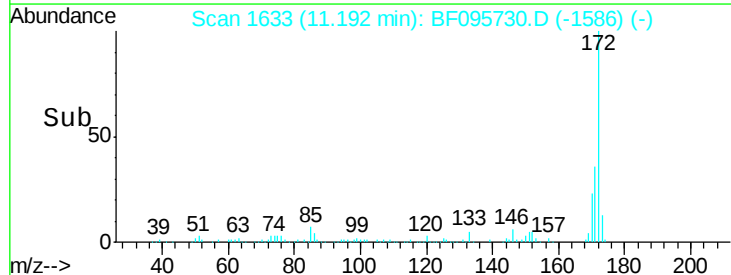
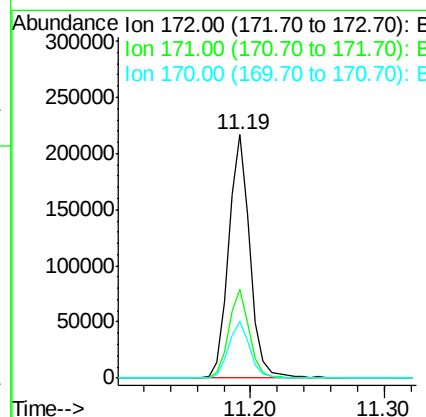
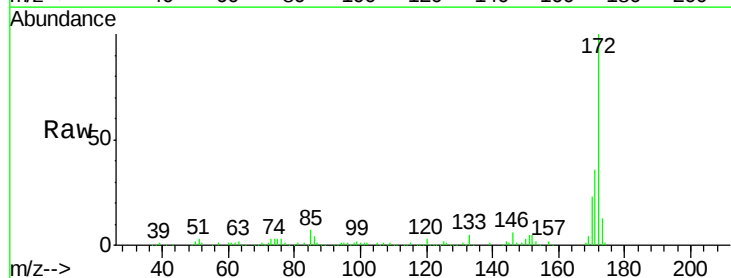
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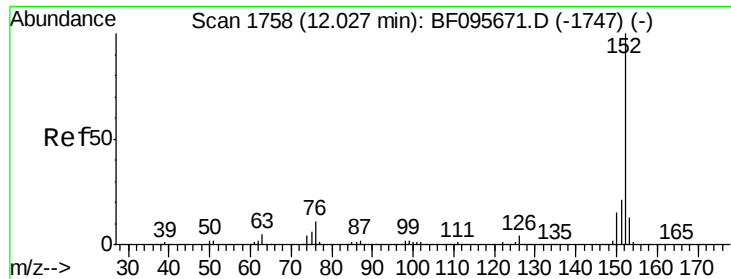
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#44
 2-Fluorobiphenyl
 Concen: 30.264 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095730.D
 Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	243886		
171	36.2	29.6	44.4	
170	23.2	19.8	29.8	





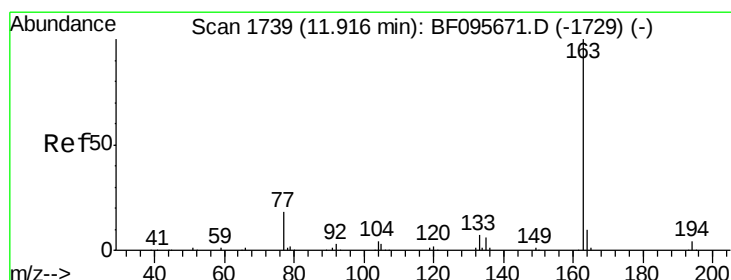
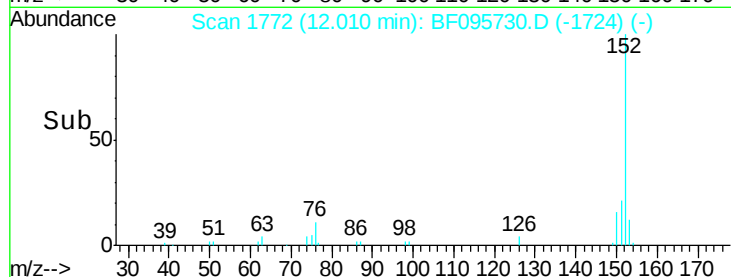
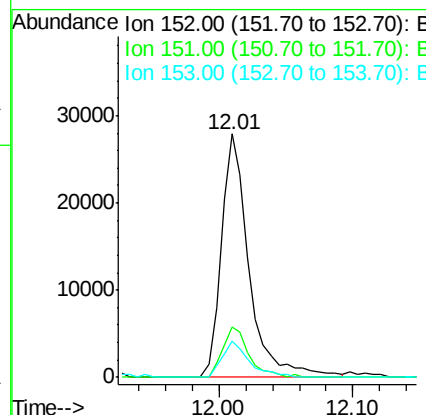
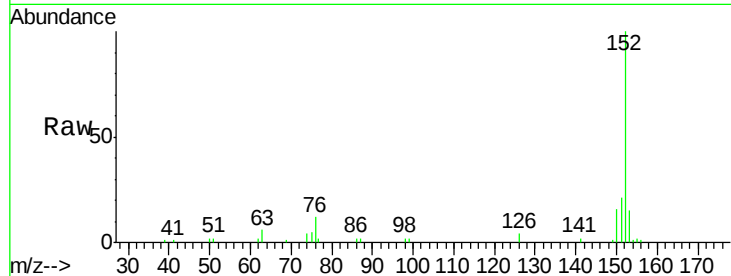
#48
Acenaphthylene
Concen: 3.296 ng
RT: 12.01 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	14.8	10.8	16.2

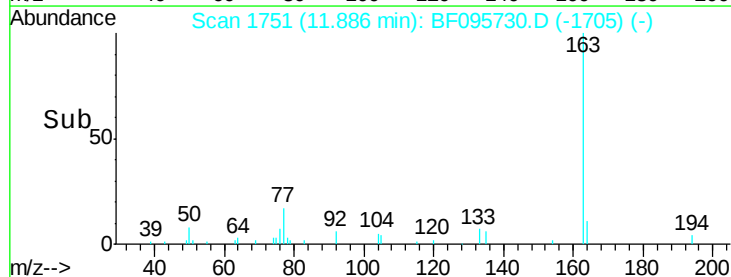
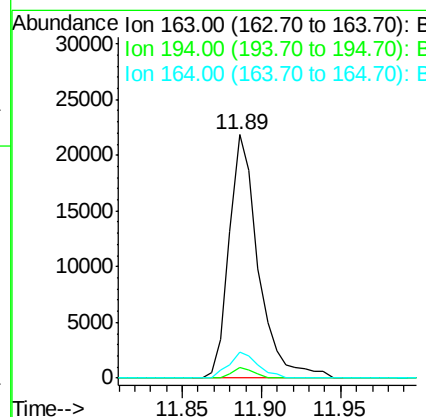
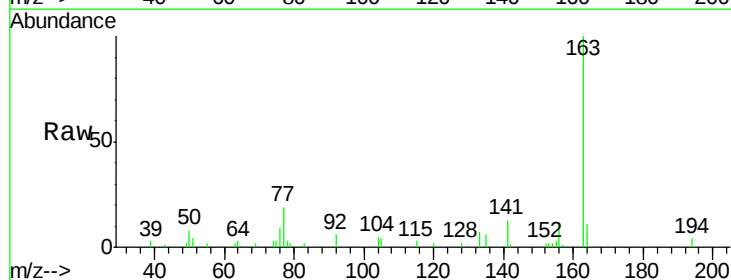
Manual Integrations
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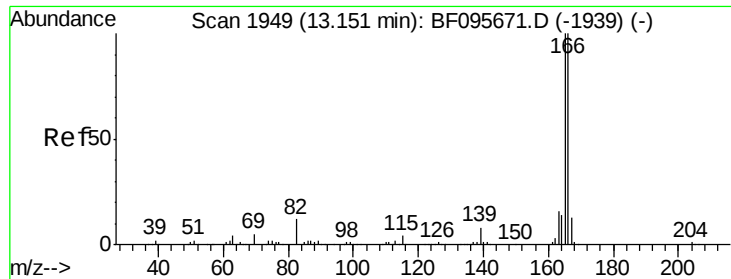
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#49
Dimethylphthalate
Concen: 3.274 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.6	4.0#
164	10.6	8.4	12.6





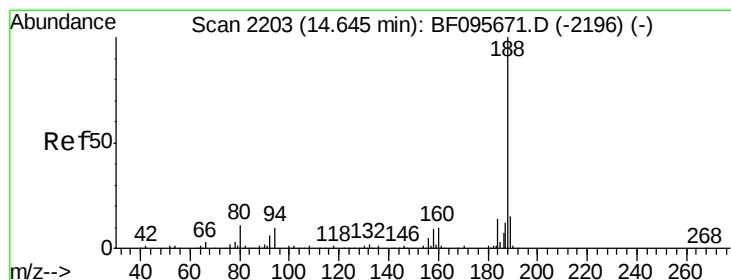
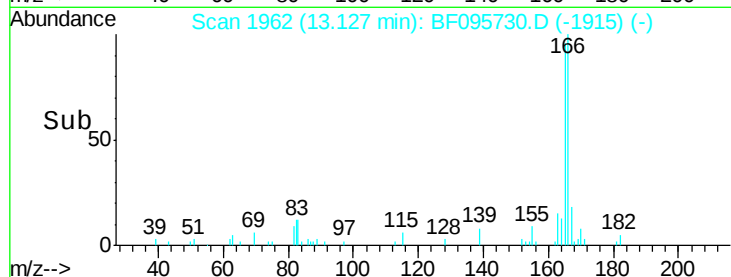
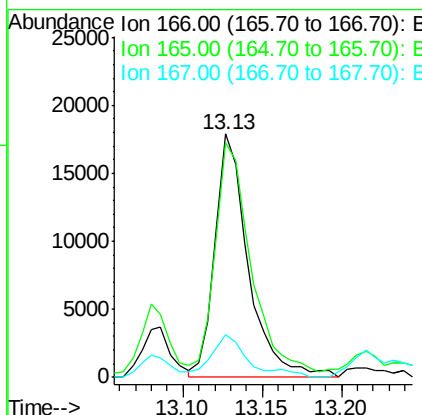
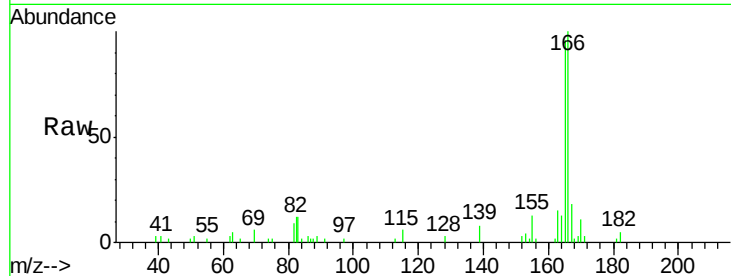
#57
 Fluorene
 Concen: 3.002 ng
 RT: 13.13 min Scan# 1962
 Delta R.T. -0.02 min
 Lab File: BF095730.D
 Acq: 7 Jun 2017 2:23

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-D

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26225		
165	96.4	78.8	118.2	
167	17.7	10.6	16.0	

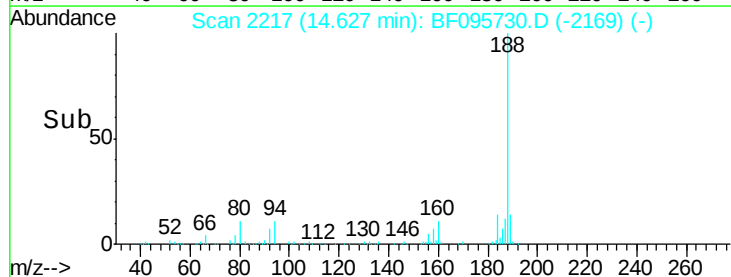
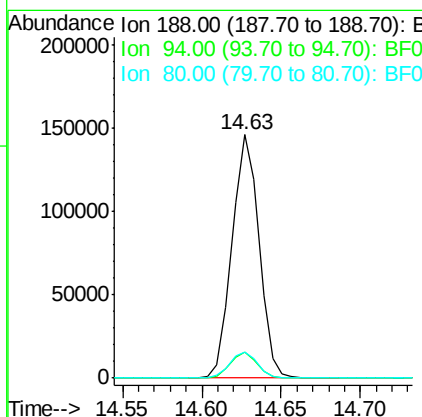
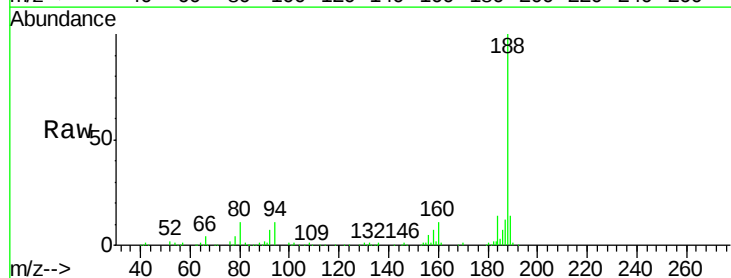
Manual Integrations
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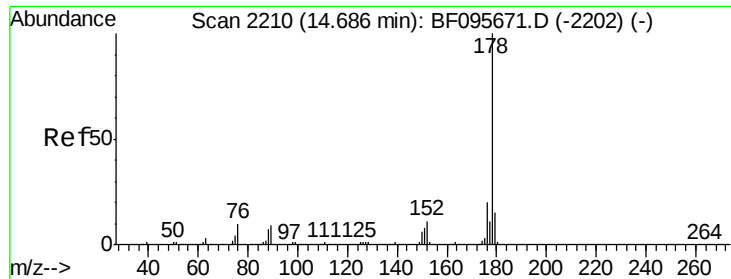
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BF095730.D
 Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	171337		
94	10.9	9.4	14.2	
80	10.8	10.2	15.2	





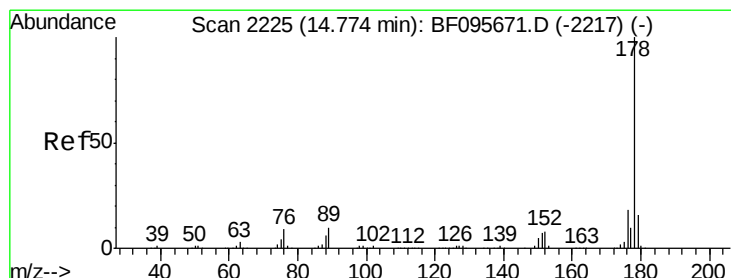
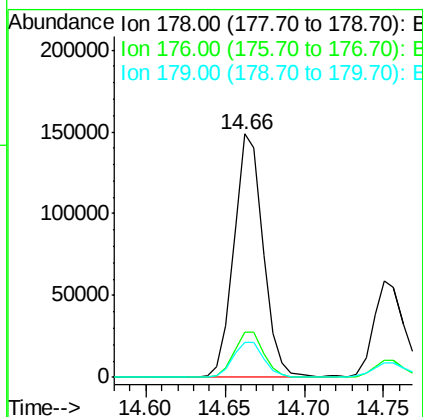
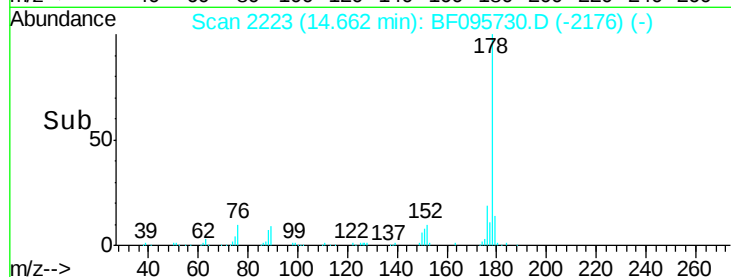
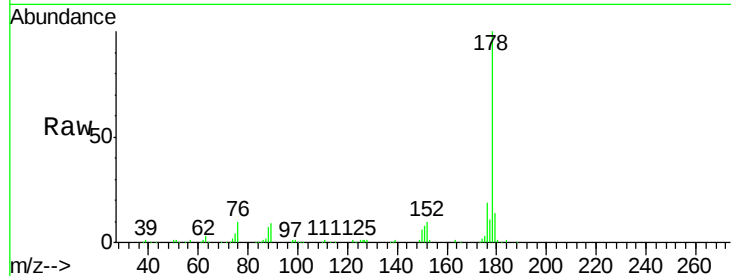
#70
Phenanthrene
Concen: 19.188 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	14.3	12.6	19.0

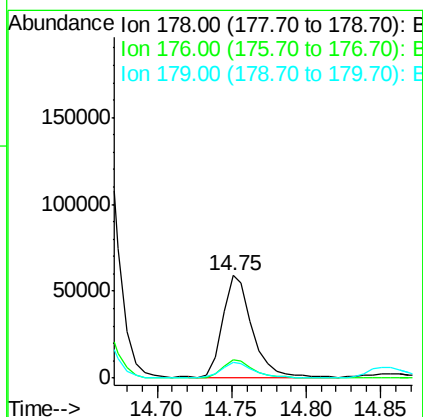
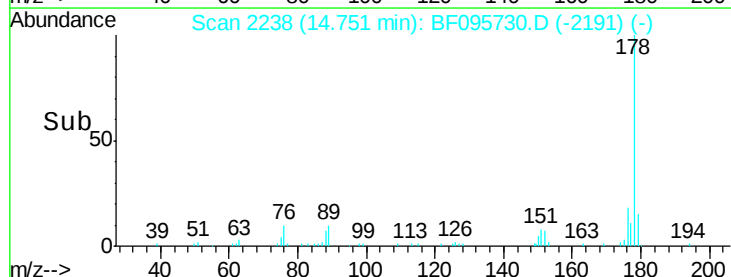
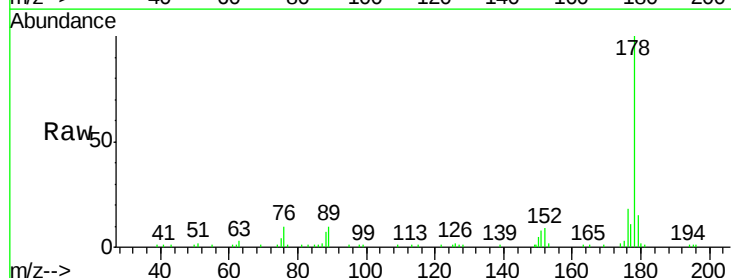
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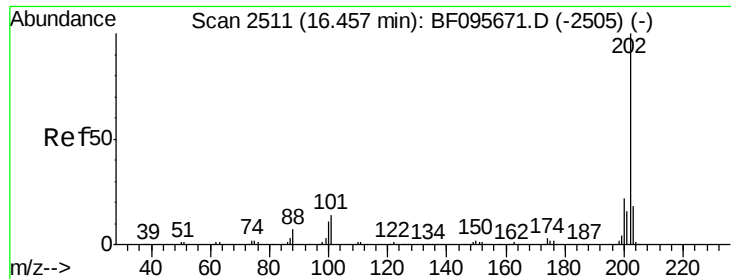
mohammad
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#71
Anthracene
Concen: 7.841 ng
RT: 14.75 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.5	12.7	19.1





#74

Fluoranthene

Concen: 30.517 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095730.D

Acq: 7 Jun 2017 2:23

Instrument :

BNA_F

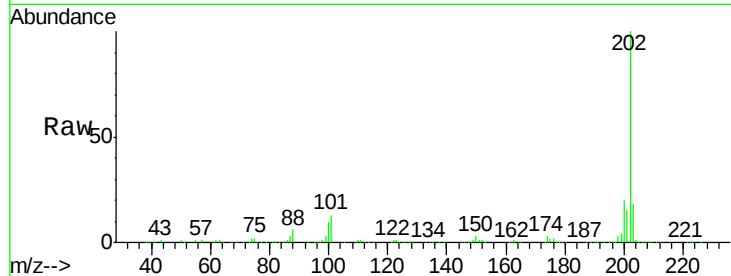
ClientSampleId :

CL-01-060517-D

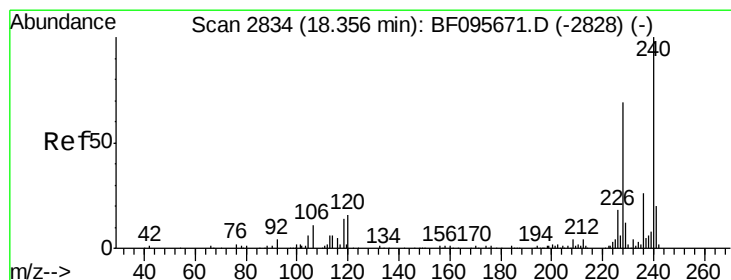
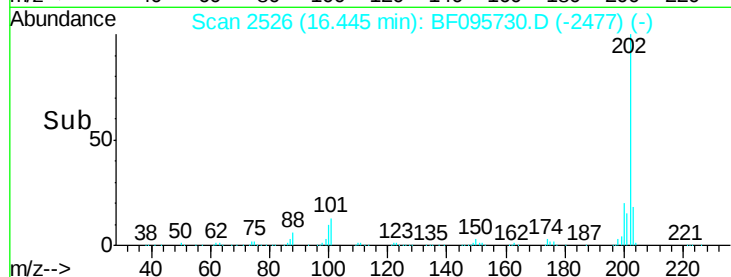
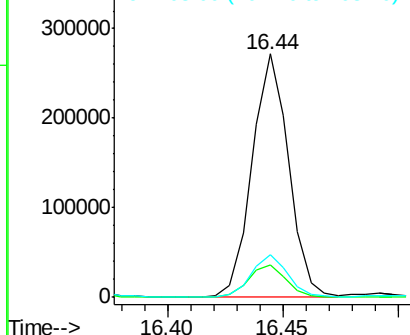
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		298600		
101	13.4	0.0	33.2		
203	17.6	0.0	38.1		

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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: 20.000 ng

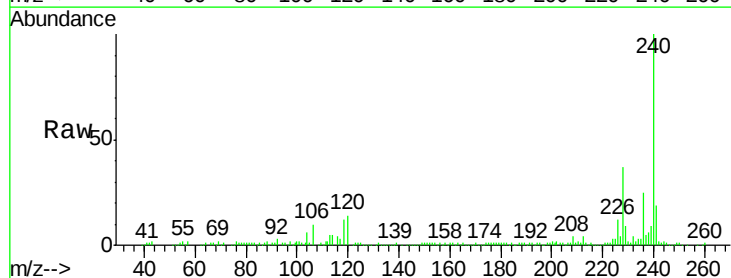
RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

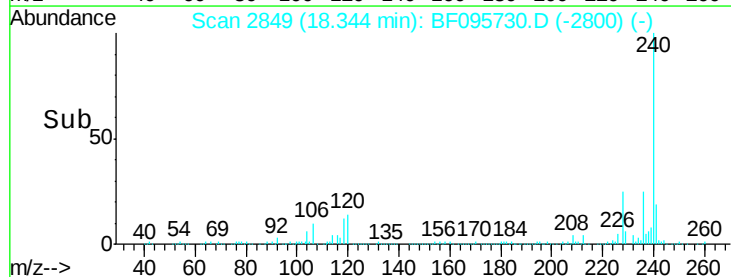
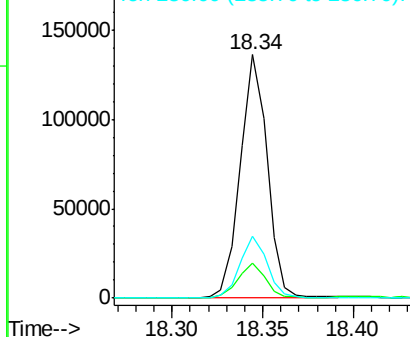
Lab File: BF095730.D

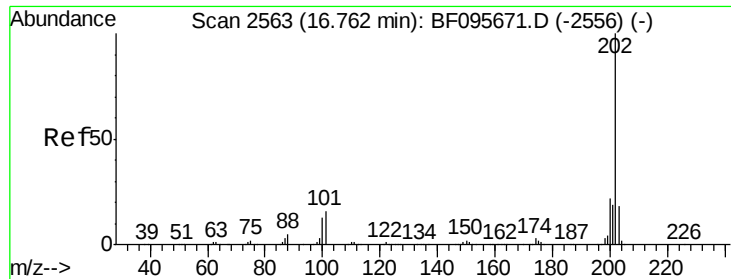
Acq: 7 Jun 2017 2:23

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		140069		
120	14.3	5.8	8.8#		
236	25.2	20.5	30.7		



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





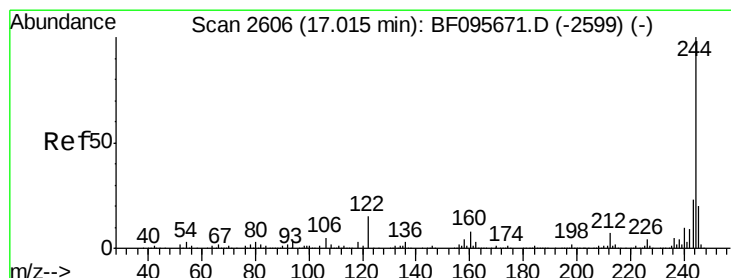
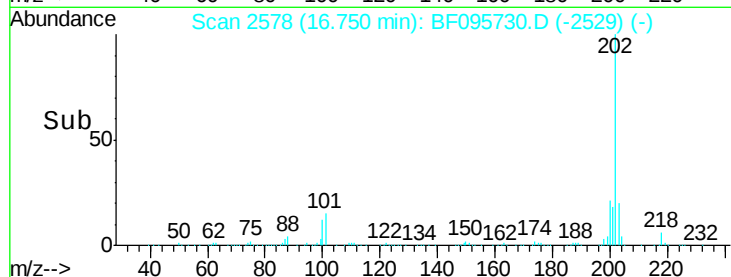
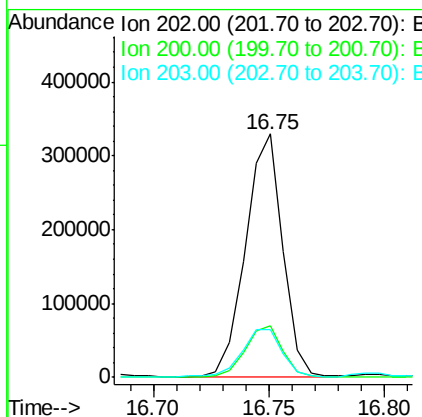
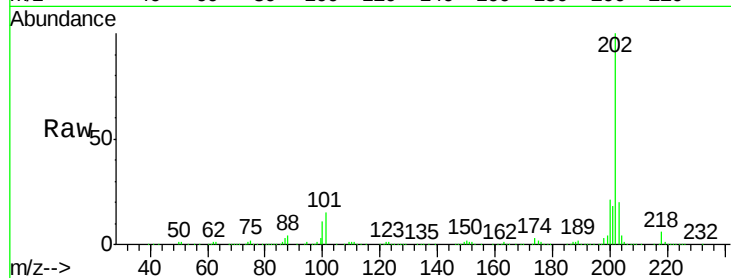
#77
Pyrene
Concen: 35.108 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	17.6	26.4
203	19.9	14.4	21.6

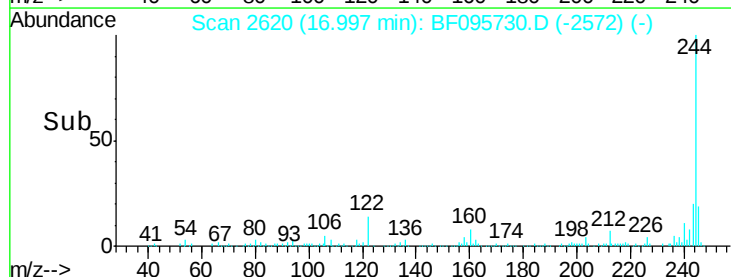
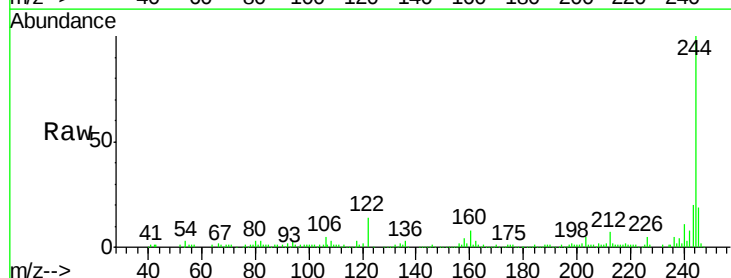
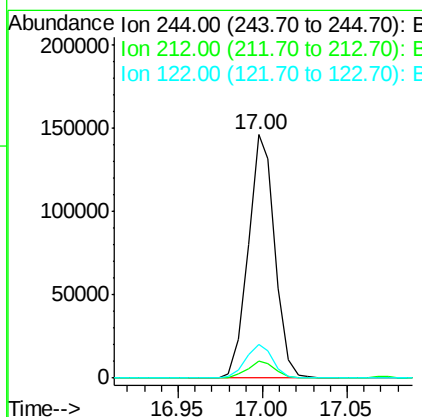
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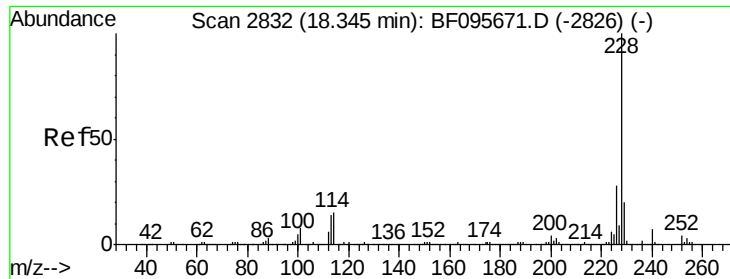
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#78
Terphenyl-d14
Concen: 28.344 ng
RT: 17.00 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

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





#80

Benzo(a)anthracene

Concen: 20.036 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095730.D

Acq: 7 Jun 2017 2:23

Instrument :

BNA_F

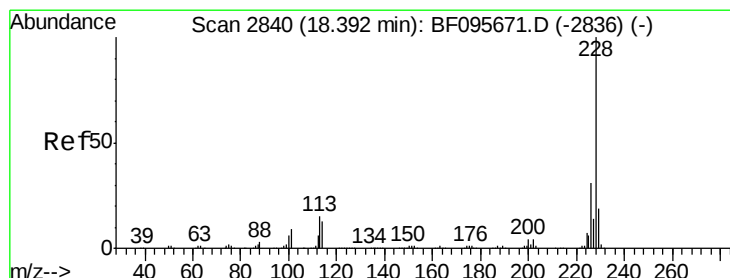
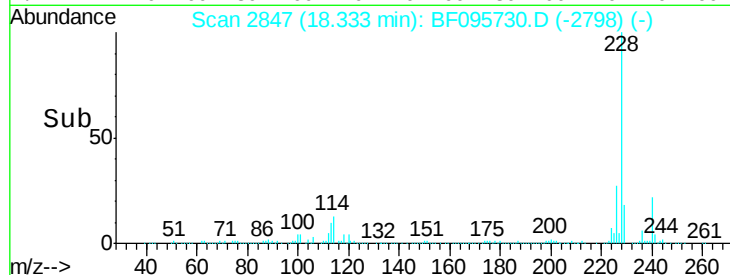
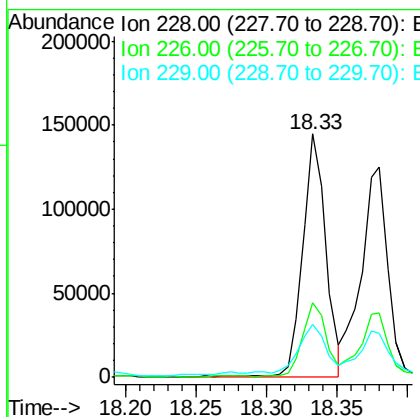
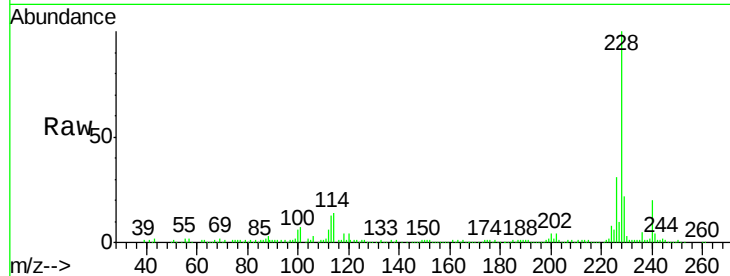
ClientSampleId :

CL-01-060517-D

Tgt Ion:	228	Resp:	163167
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.6	33.8
229	21.8	16.3	24.5

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#82

Chrysene

Concen: 19.843 ng

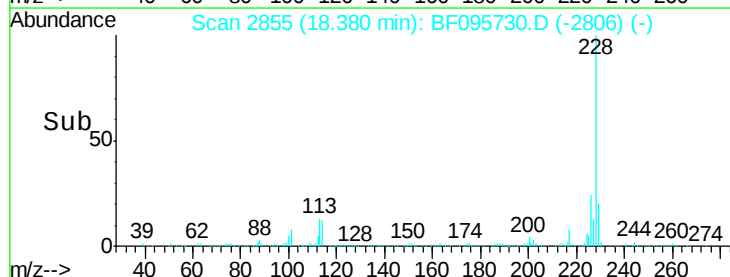
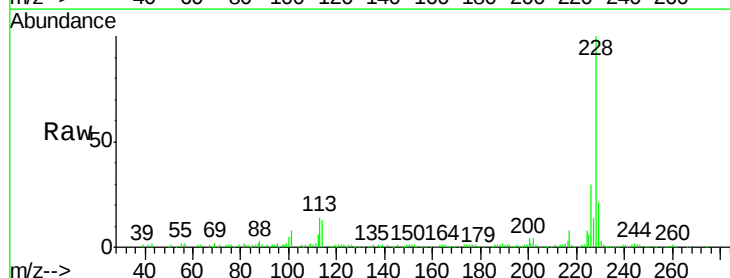
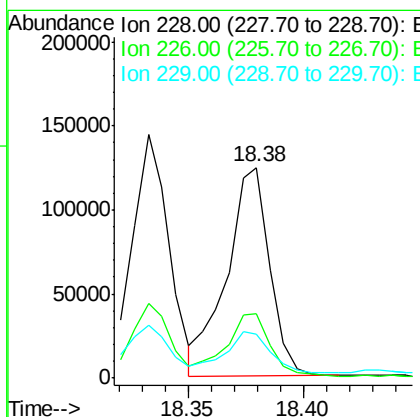
RT: 18.38 min Scan# 2855

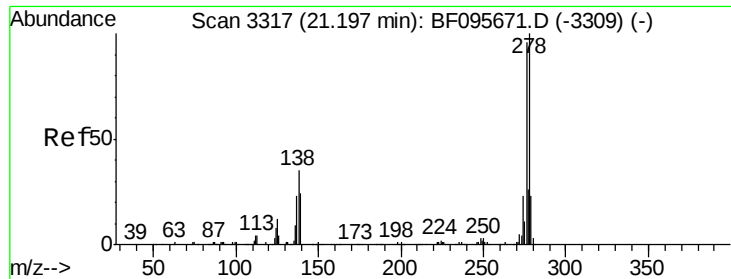
Delta R.T. -0.01 min

Lab File: BF095730.D

Acq: 7 Jun 2017 2:23

Tgt Ion:	228	Resp:	161493
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	21.0	15.8	23.6





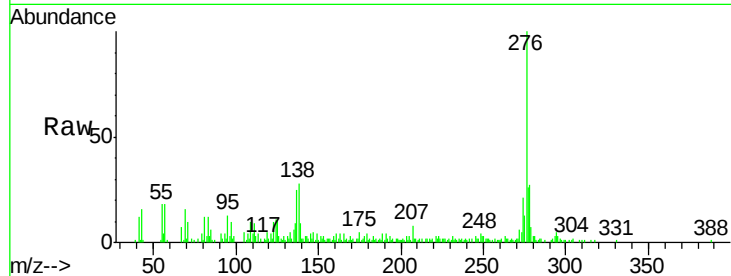
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.823 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	47514		
138	31.0		27.8	41.6
277	22.8		20.2	30.4

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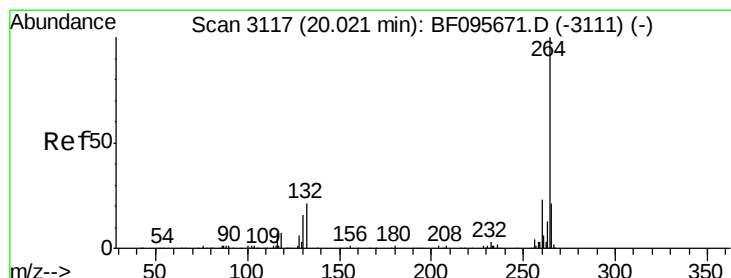
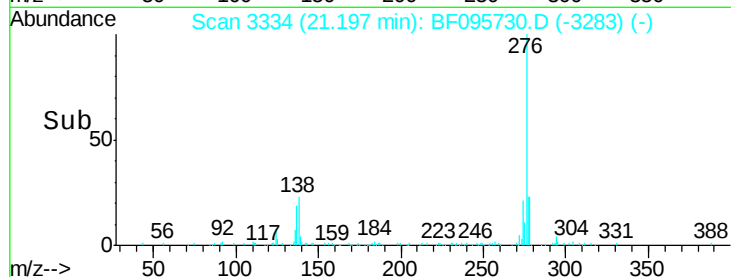
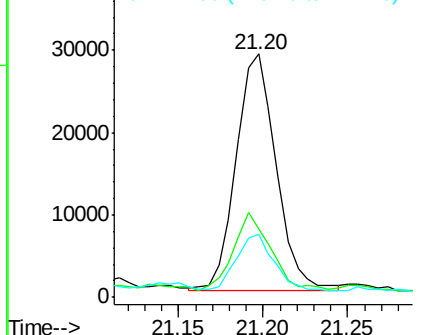


Abundance

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: 20.000 ng
RT: 20.01 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

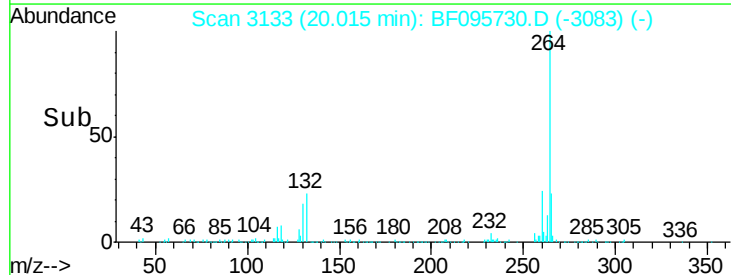
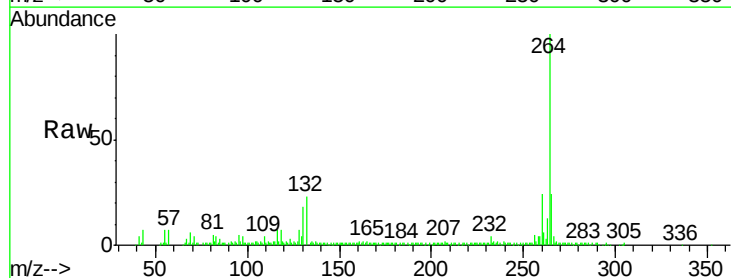
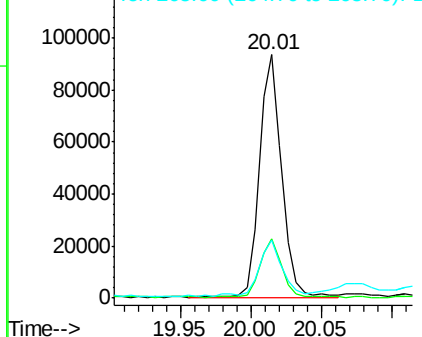
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	105342		
260	24.5		19.5	29.3
265	24.0		17.2	25.8

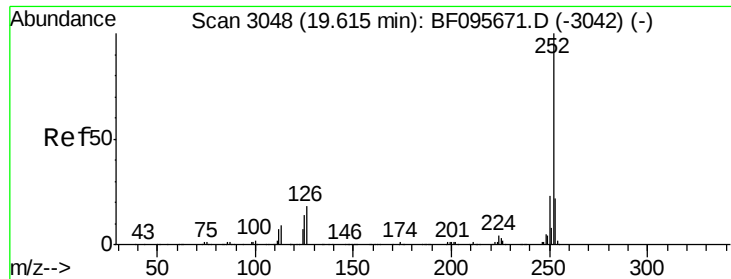
Abundance

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





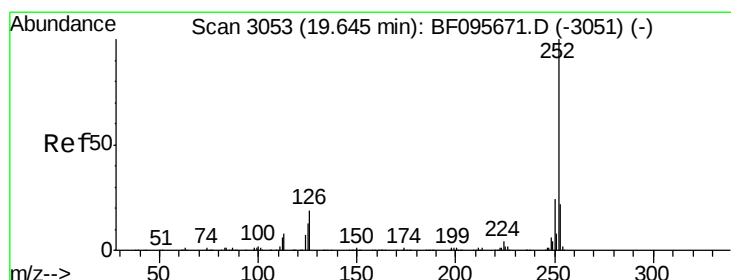
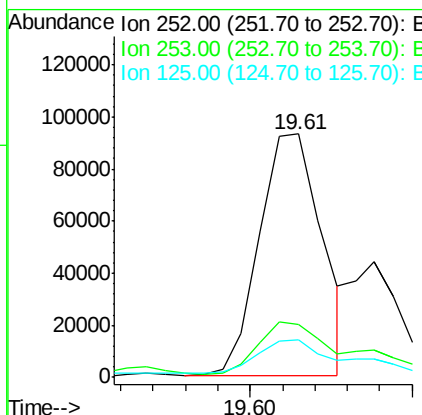
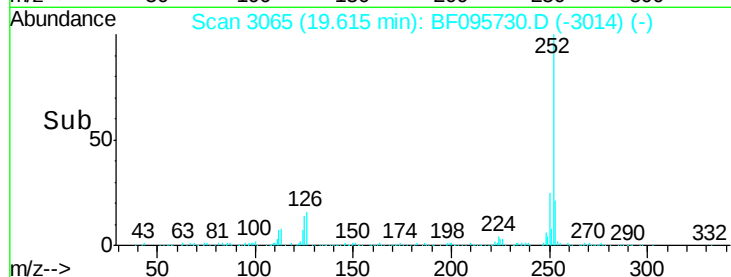
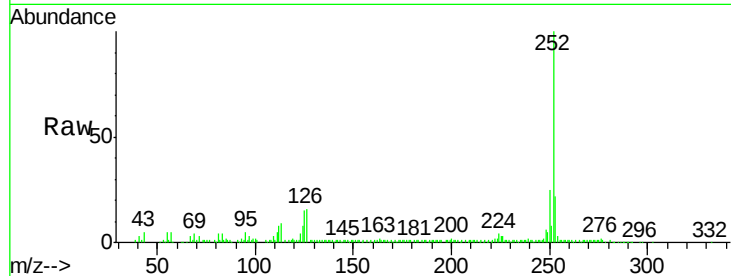
#87
Benzo(b)fluoranthene
Concen: 18.821 ng m
RT: 19.61 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	15.2	9.8	14.8

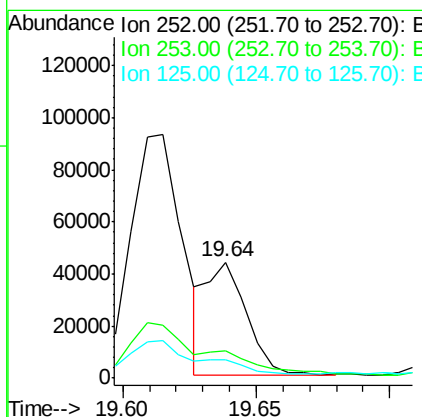
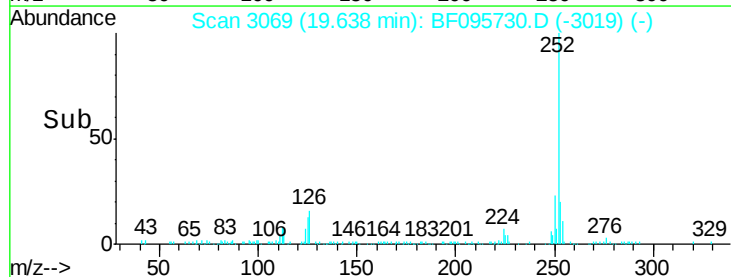
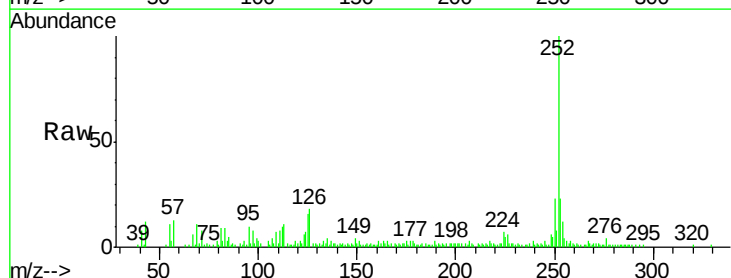
Manual Integrations
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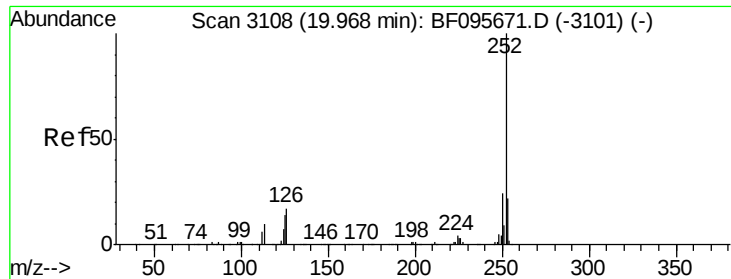
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#88
Benzo(k)fluoranthene
Concen: 7.089 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	15.9	13.1	19.7





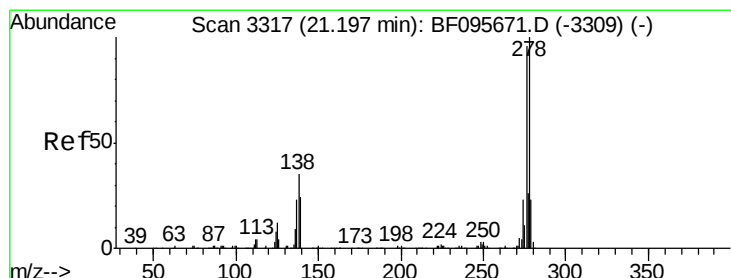
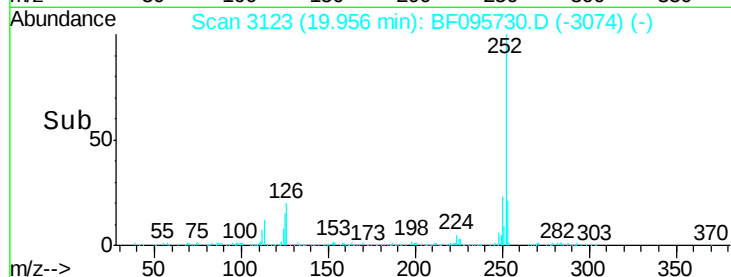
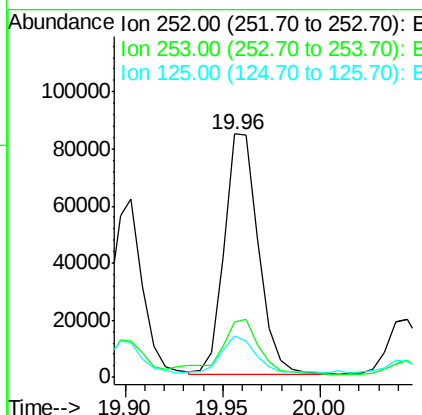
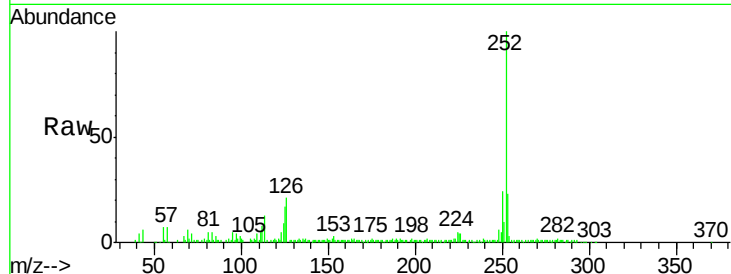
#89
Benzo(a)pyrene
Concen: 16.989 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.9	11.0	16.4

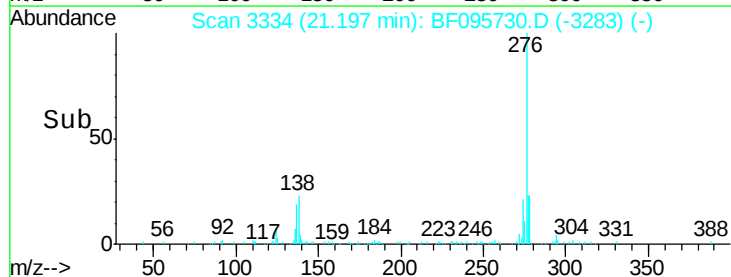
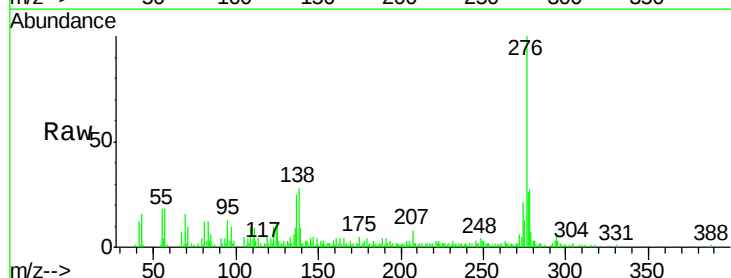
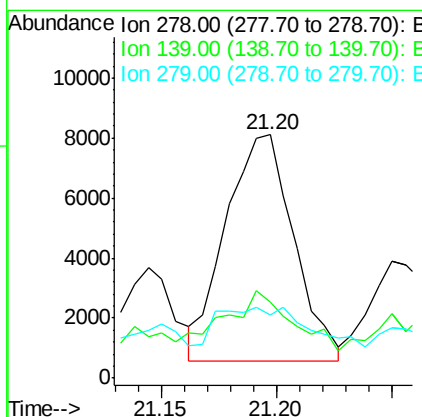
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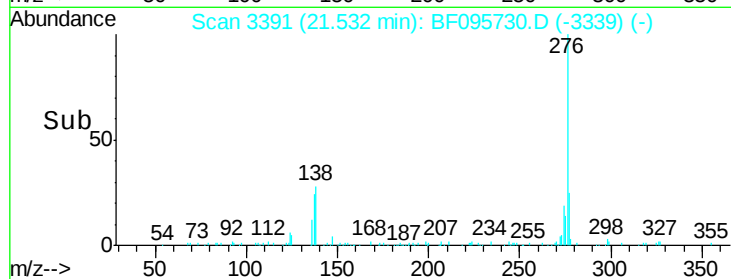
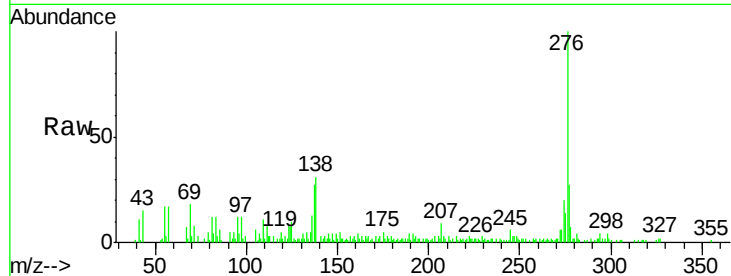
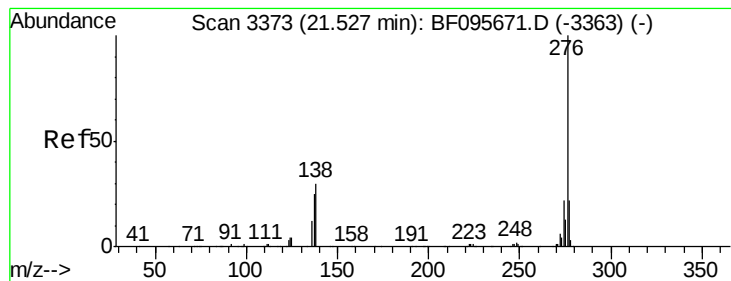
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#90
Dibenzo(a,h)anthracene
Concen: 2.994 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095730.D
Acq: 7 Jun 2017 2:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.3	16.6	24.8
279	25.7	19.3	28.9





#91

Benzo(g,h,i)perylene

Concen: 9.395 ng

RT: 21.53 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF095730.D

Acq: 7 Jun 2017 2:23

Instrument :

BNA_F

ClientSampleId :

CL-01-060517-D

Tgt Ion: 276 Resp: 49258

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 31.4 25.4 38.0

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