

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098930.D
 Acq On : 29 Sep 2017 2:12
 Operator : SJ/JU
 Sample : I5487-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-A

Manual Integrations
 APPROVED

Quant Time: Sep 29 03:49:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	127225	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	453832	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	163560	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	254880	20.00	ng	0.00
75) Chrysene-d12	14.08	240	250840	20.00	ng	0.00
86) Perylene-d12	15.57	264	201539	20.00	ng	0.00

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System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	173995	21.77	ng	-0.01
7) Phenol-d6	6.53	99	192343	19.51	ng	-0.02
23) Nitrobenzene-d5	7.47	82	109228	15.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	22304	16.67	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	180859	18.46	ng	-0.01
78) Terphenyl-d14	13.02	244	134347	12.18	ng	-0.01

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Target Compounds

						Qvalue
49) Dimethylphthalate	9.66	163	32647	2.645	ng	99
57) Fluorene	10.50	166	27024	2.467	ng	# 95
70) Phenanthrene	11.46	178	198103	14.520	ng	98
71) Anthracene	11.52	178	60156	4.309	ng	99
74) Fluoranthene	12.66	202	193491	14.006	ng	97
77) Pyrene	12.89	202	232841	12.173	ng	98
80) Benzo(a)anthracene	14.07	228	91701	6.037	ng	99
82) Chrysene	14.10	228	82270	5.689	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	24118	2.085	ng	# 86
87) Benzo(b)fluoranthene	15.13	252	70029m	5.651	ng	
89) Benzo(a)pyrene	15.51	252	56297	4.949	ng	# 95
91) Benzo(a,h,i)perylene	17.54	276	25806	2.868	ng	95

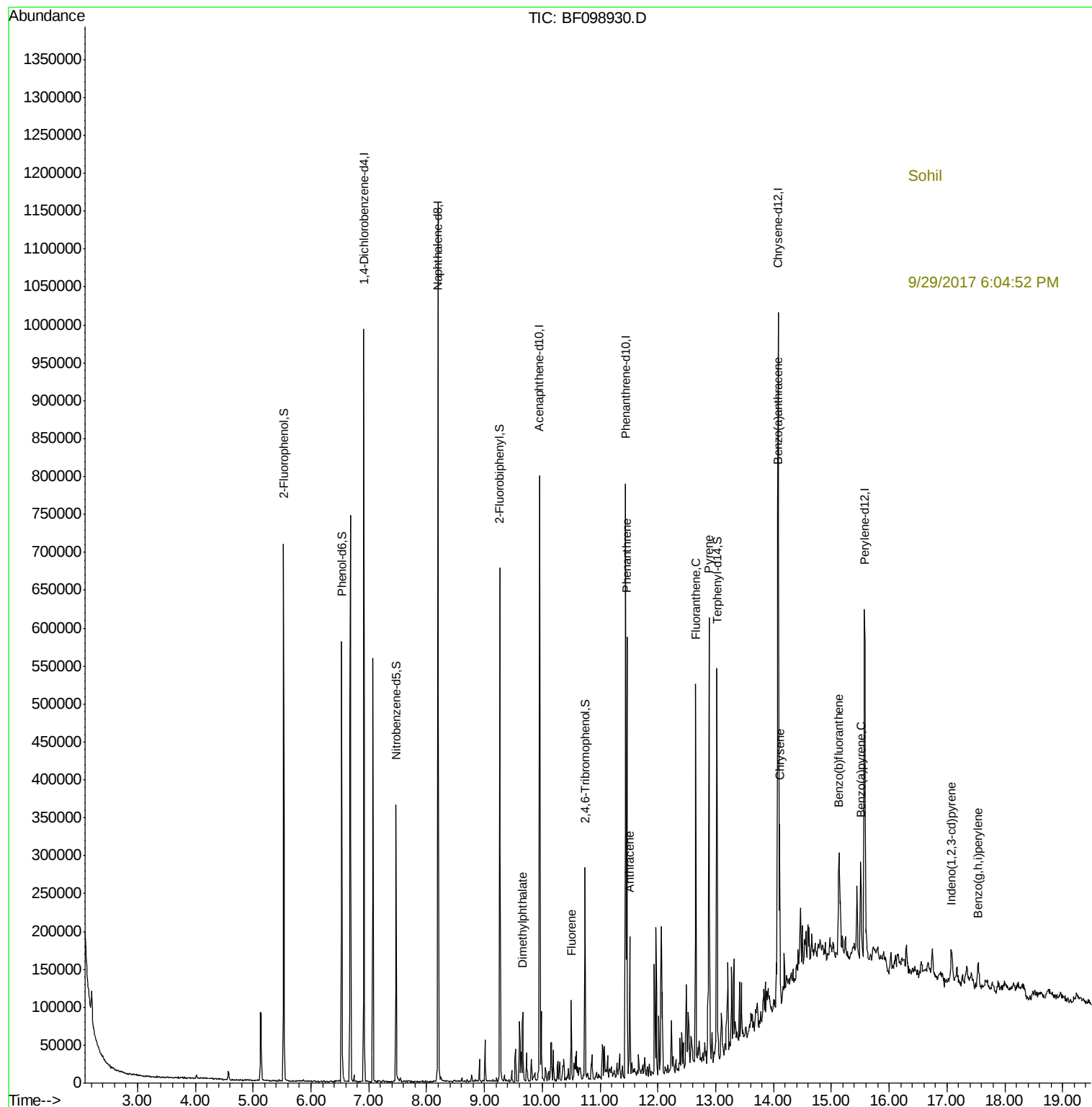
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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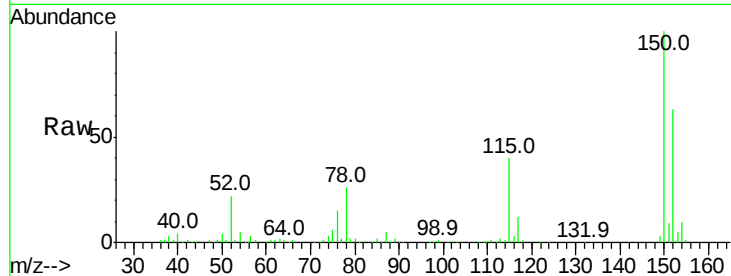
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

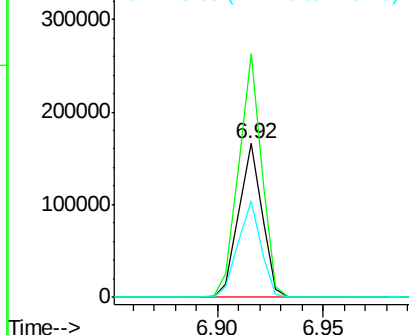
Instrument :
BNA_F
ClientSampleId :
CL-02-092717-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	62.9	50.1	75.1

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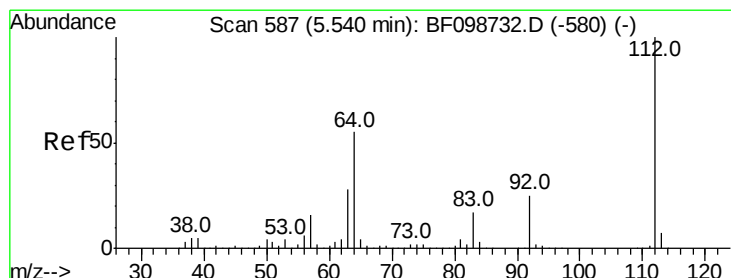
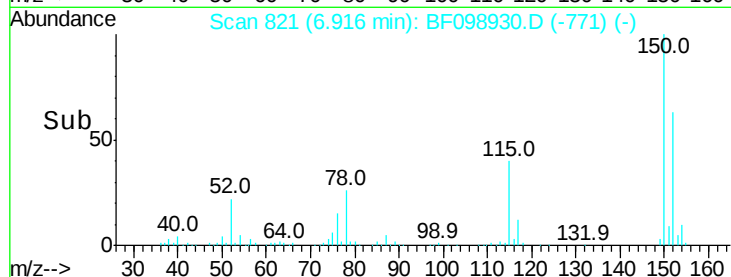


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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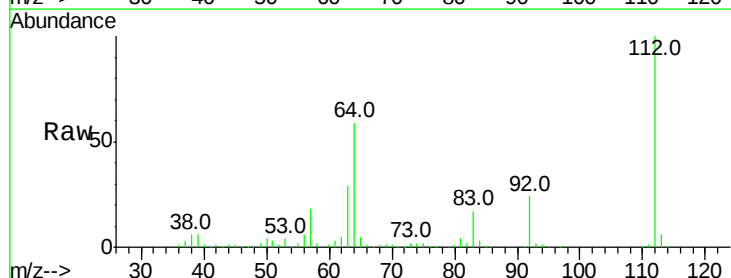
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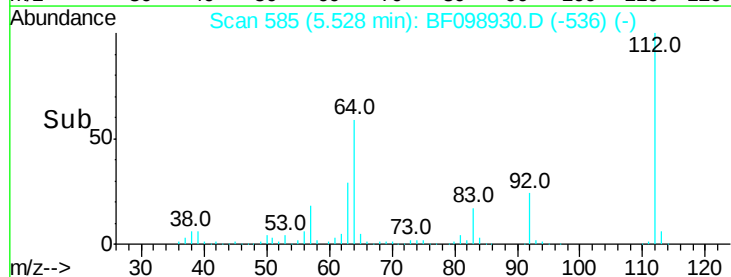
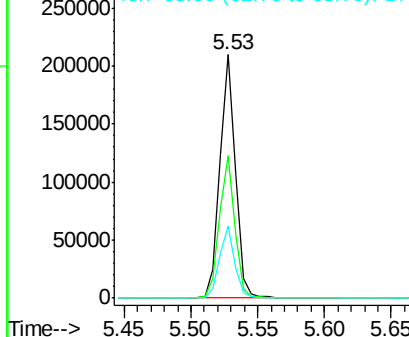
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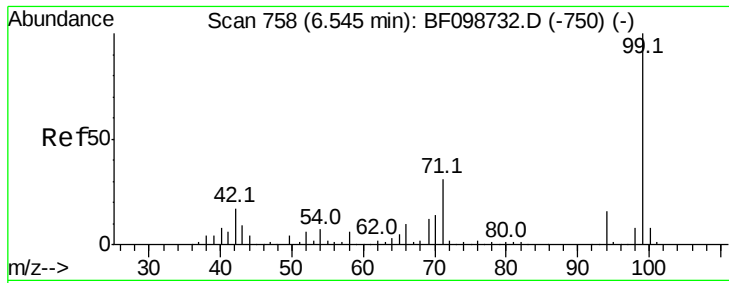
2-Fluorophenol
Concen: 21.771 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.4	23.7	35.5



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: 19.509 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

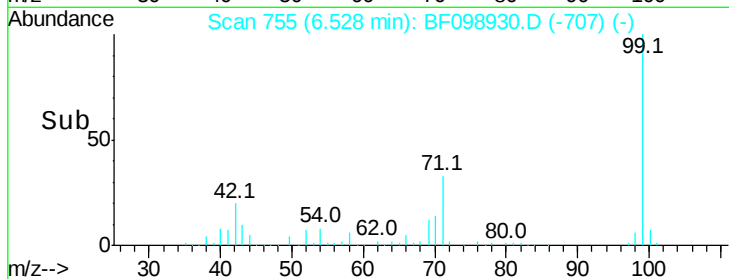
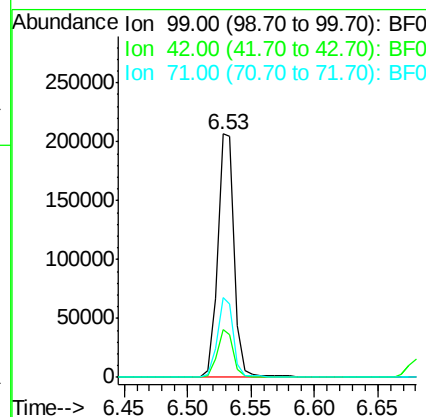
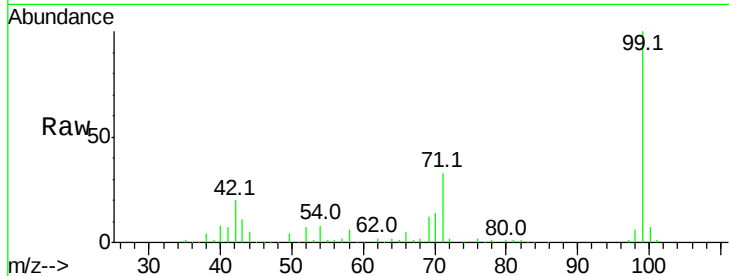
BNA_F

ClientSampled :

CL-02-092717-A

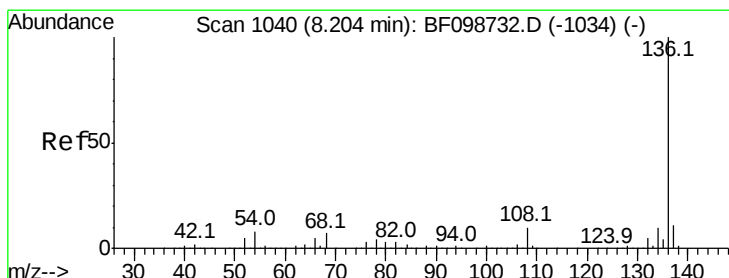
Tot Ion:	99	Resp:	192343
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

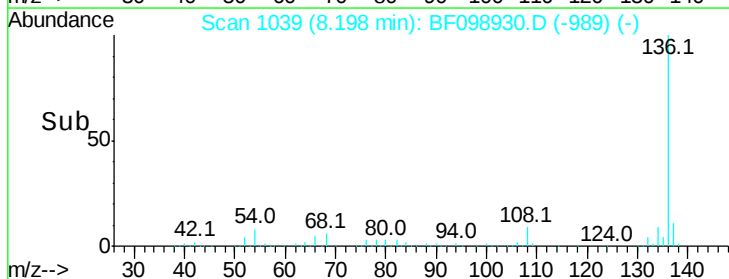
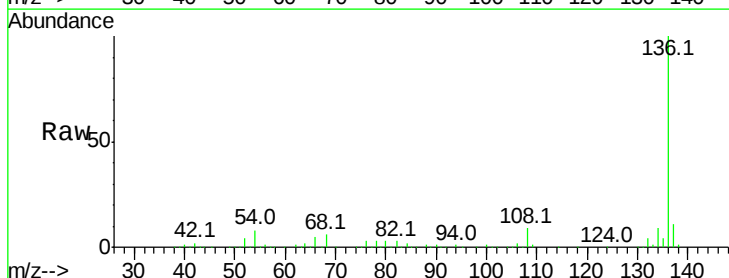
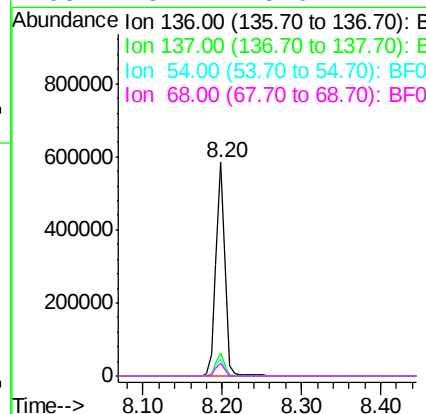
RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Tgt Ion:	136	Resp:	453832
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.9	6.6	9.8
68	5.7	5.0	7.4



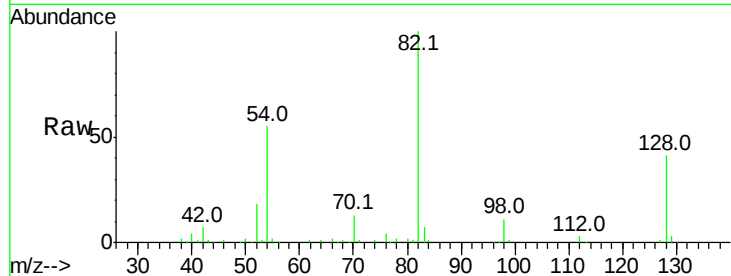


#23
Nitrobenzene-d5
Concen: 15.435 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

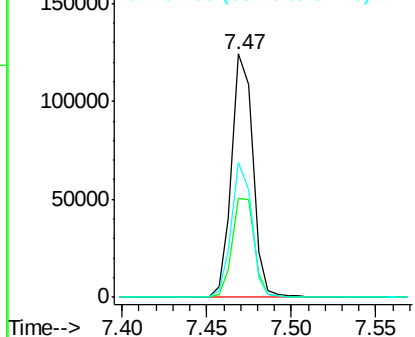
Instrument :
BNA_F
ClientSampleId :
CL-02-092717-A

Tot Ion	82	Resp	109228
Ion Ratio	100	Lower	Upper
128	40.9	36.1	54.1
54	55.2	41.4	62.2

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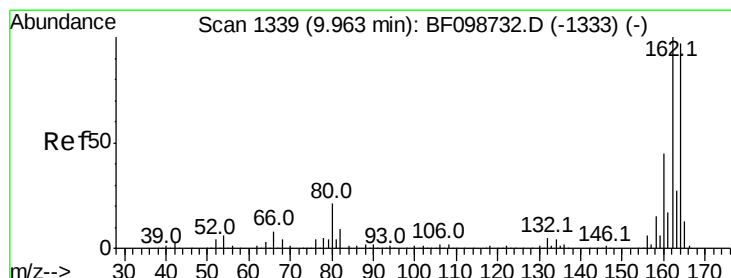
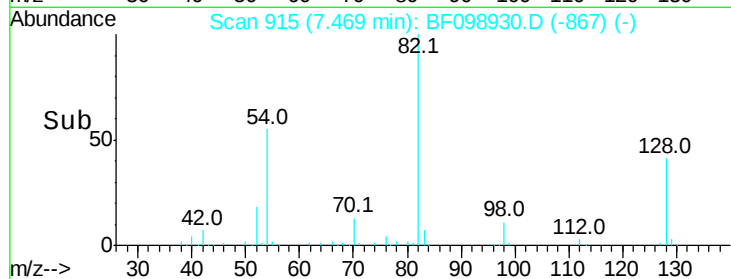


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



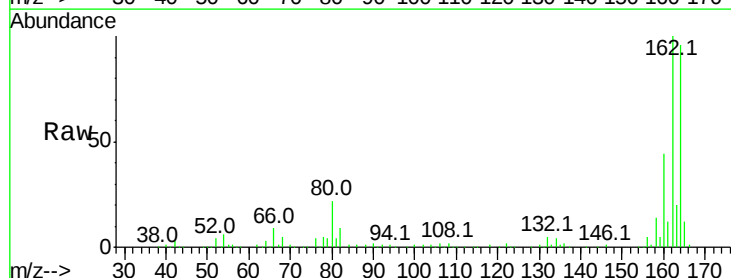
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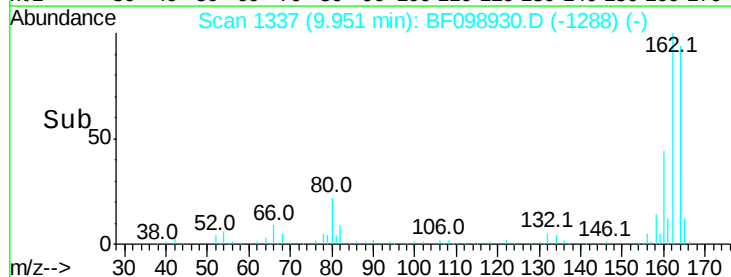
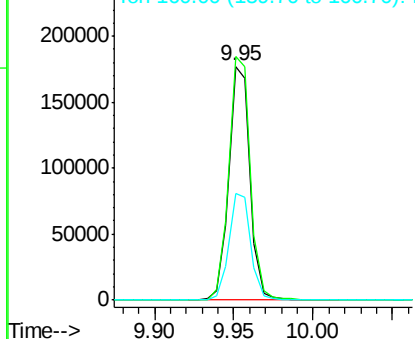


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion	164	Resp	163560
Ion Ratio	100	Lower	Upper
162	104.2	86.1	129.1
160	45.9	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



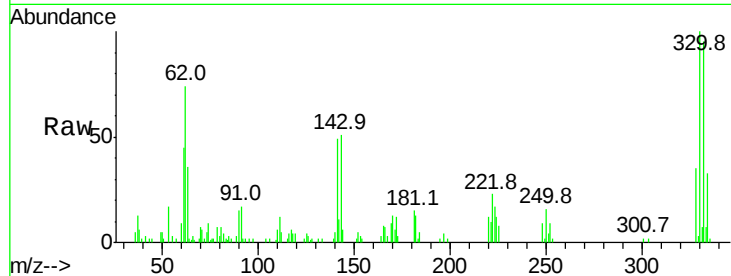


#41
 2,4,6-Tribromophenol
 Concen: 16.665 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

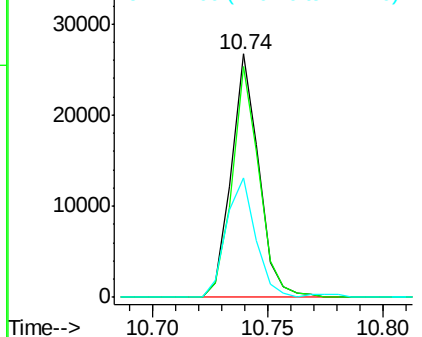
Instrument :
 BNA_F
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 CL-02-092717-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.6
141	51.6	29.9	44.9

Manual Integrations
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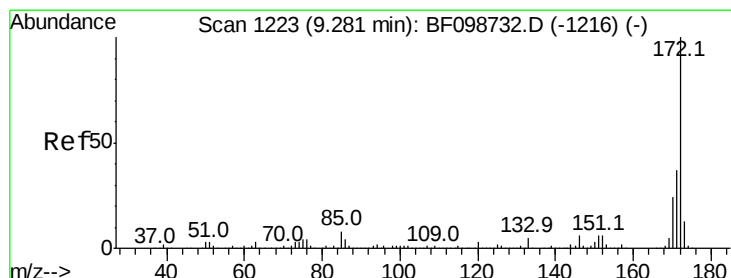
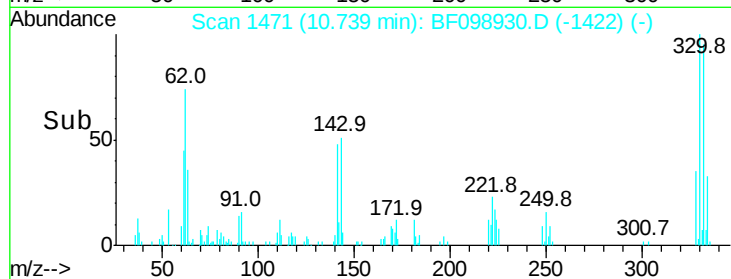


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



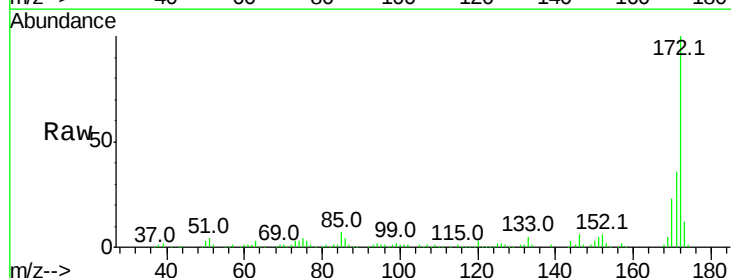
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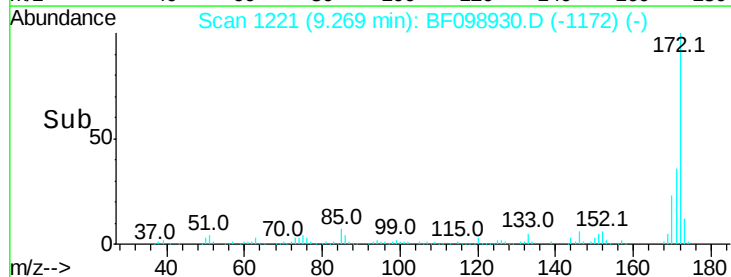
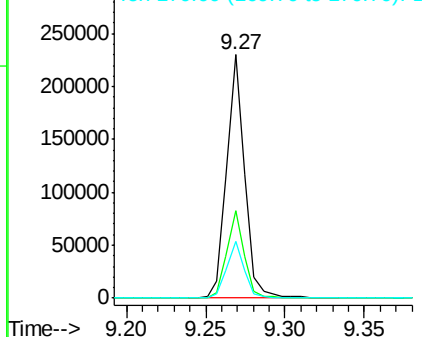


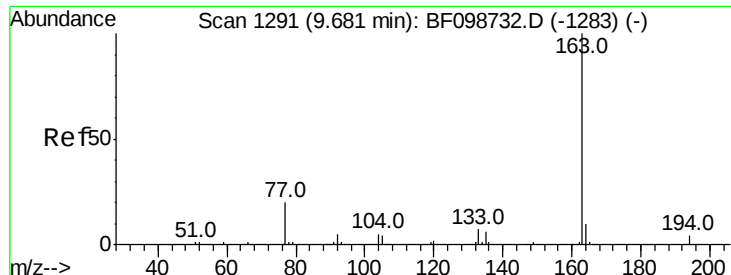
#44
 2-Fluorobiphenyl
 Concen: 18.460 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.2	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



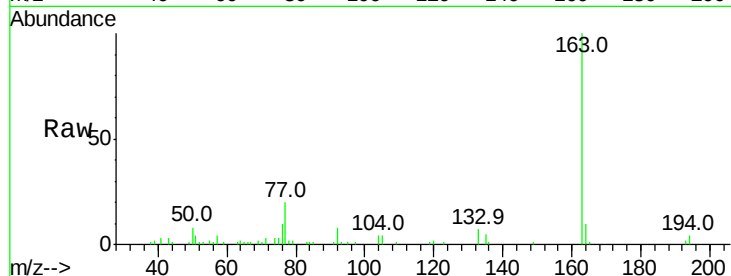


#49
Dimethylphthalate
Concen: 2.645 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

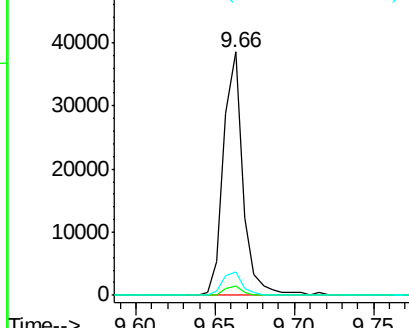
Instrument :
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CL-02-092717-A

Tot Ion:	163	Resp:	32647
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2

Manual Integrations
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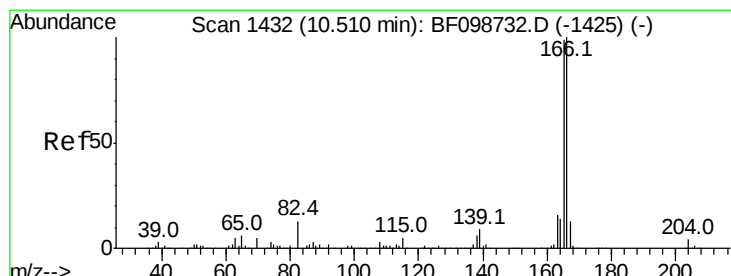


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



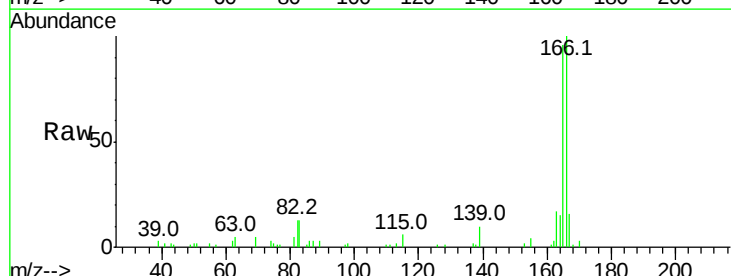
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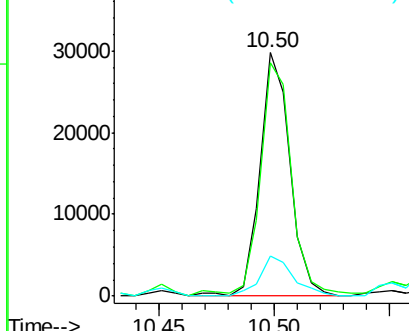


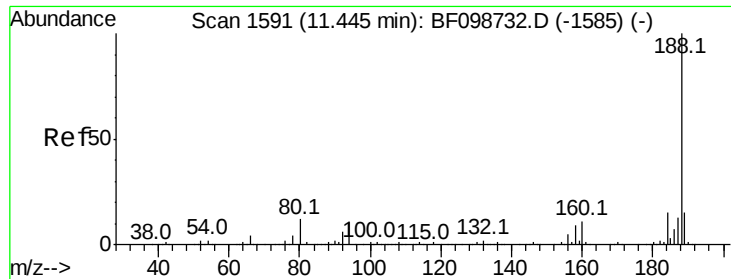
#57
Fluorene
Concen: 2.467 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion:	166	Resp:	27024
Ion Ratio	Lower	Upper	
166	100		
165	95.6	79.8	119.8
167	16.4	10.6	16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



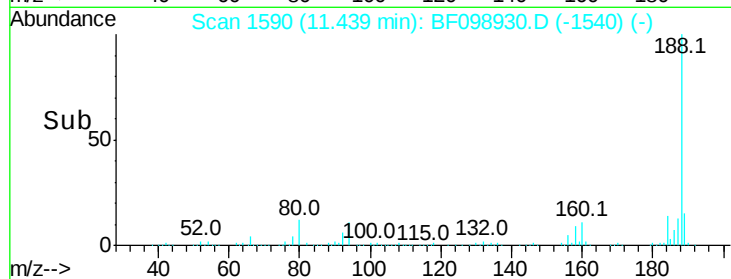
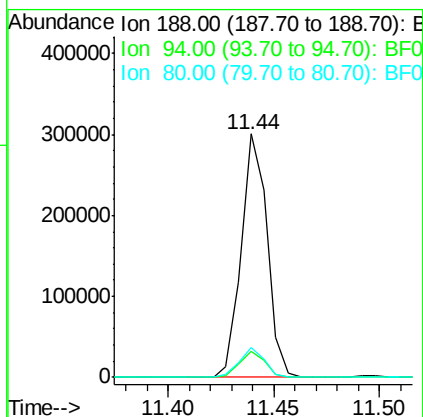
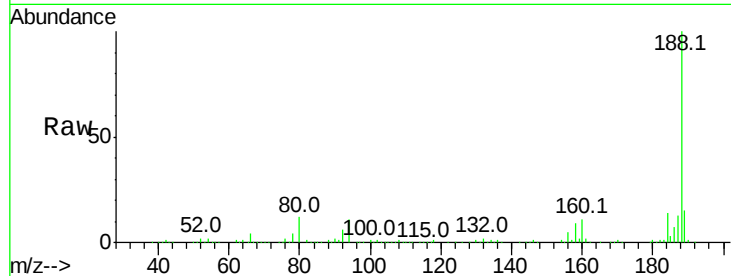


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Instrument :
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CL-02-092717-A

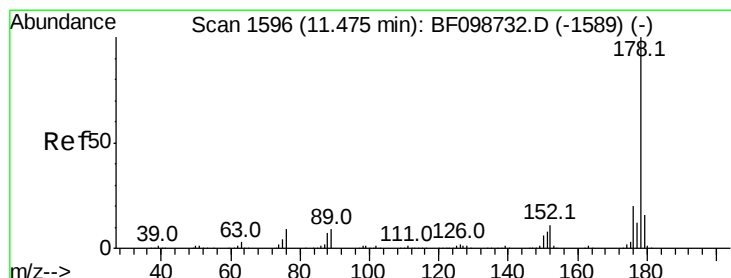
Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.6	8.5	12.7
80	12.1	9.2	13.8

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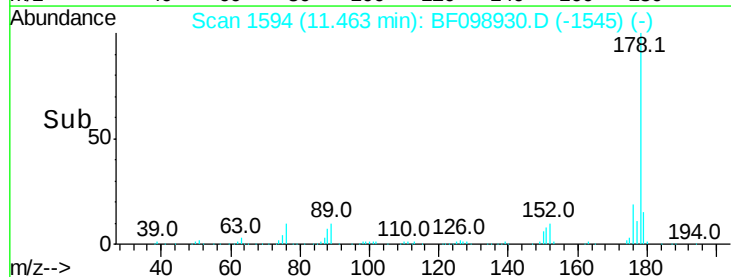
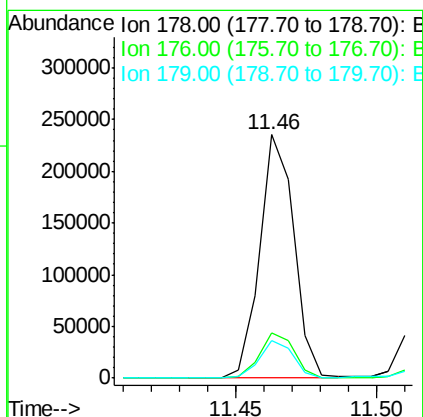
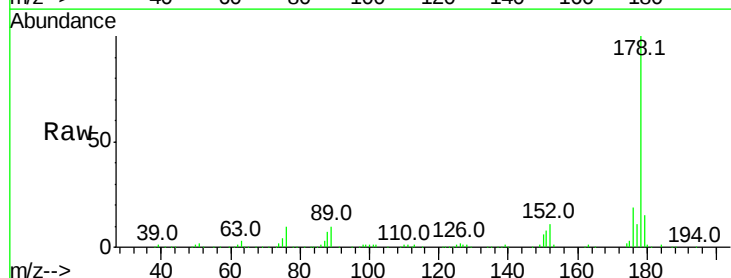
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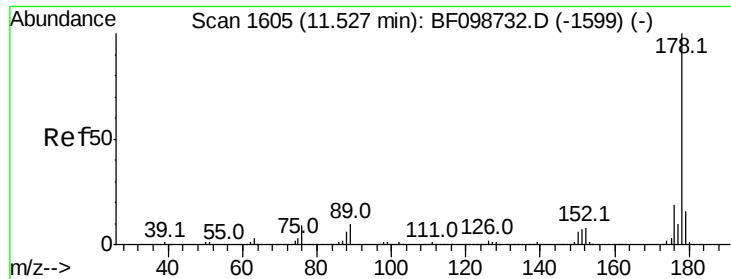
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#70
Phenanthrene
Concen: 14.520 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	15.8	23.8
179	15.3	13.0	19.6



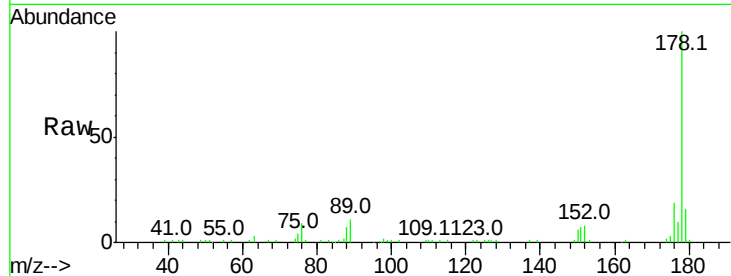


#71
 Anthracene
 Concen: 4.309 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

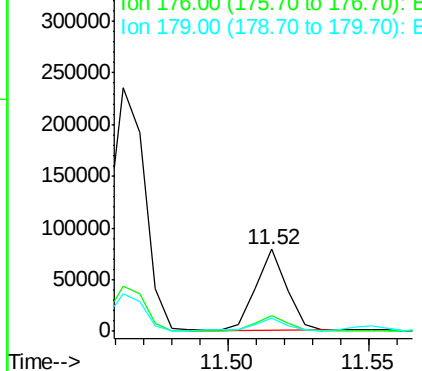
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
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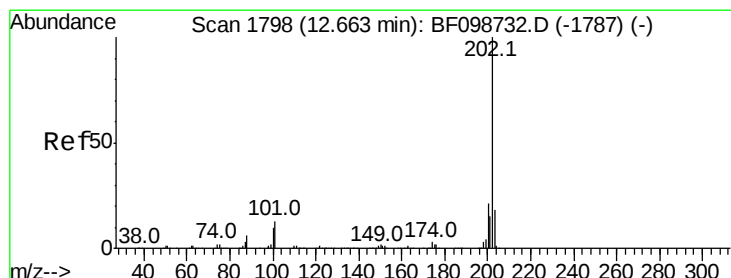
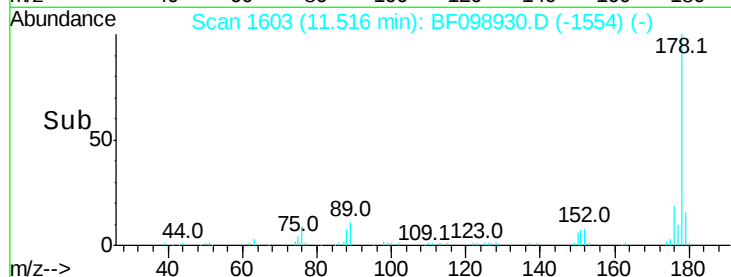


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



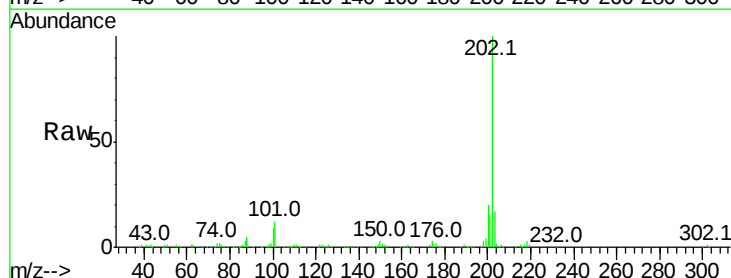
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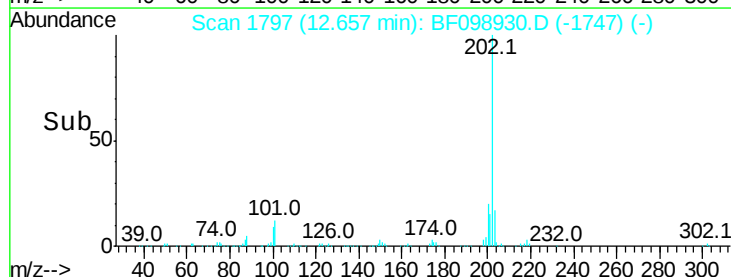
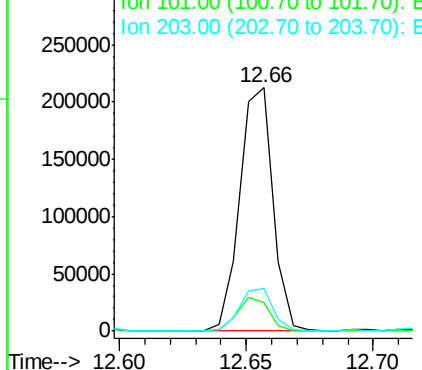


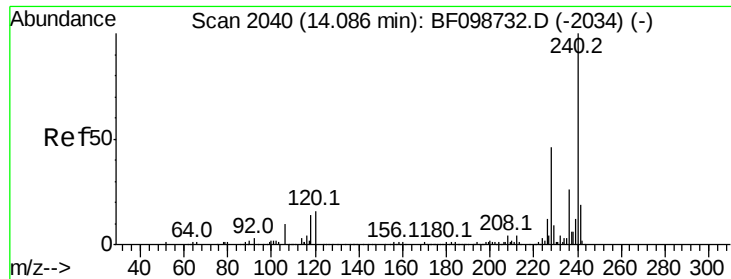
#74
 Fluoranthene
 Concen: 14.006 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.4	0.0	38.1



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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

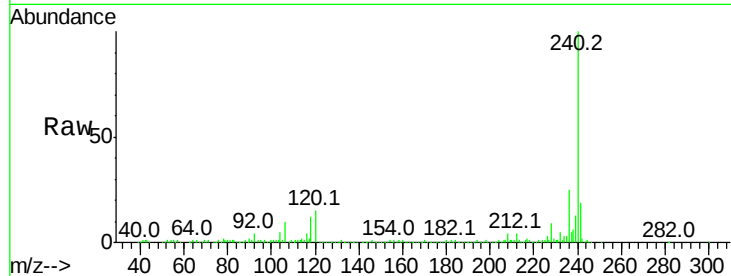
BNA_F

ClientSampled :

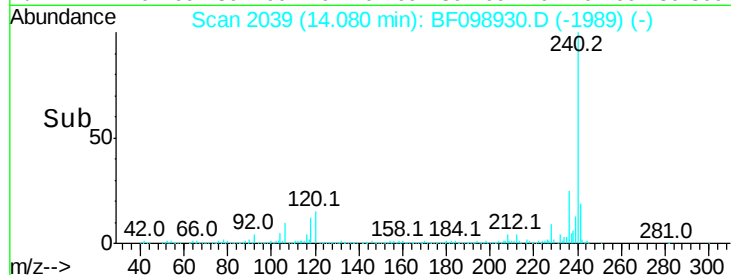
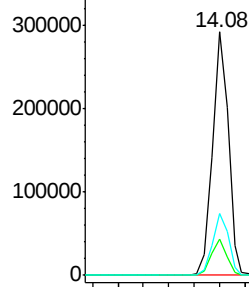
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Tot Ion:	240	Resp:	250840
Ion Ratio		Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	25.4	20.7	31.1

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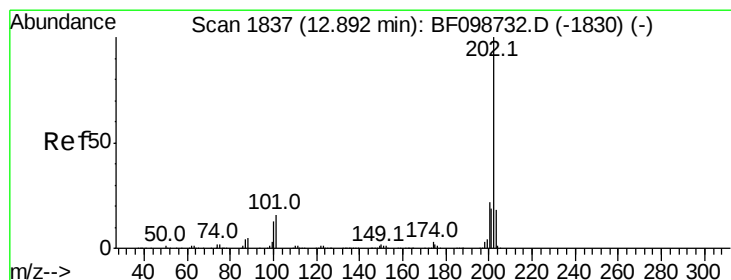


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



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#77

Pyrene

Concen: 12.173 ng

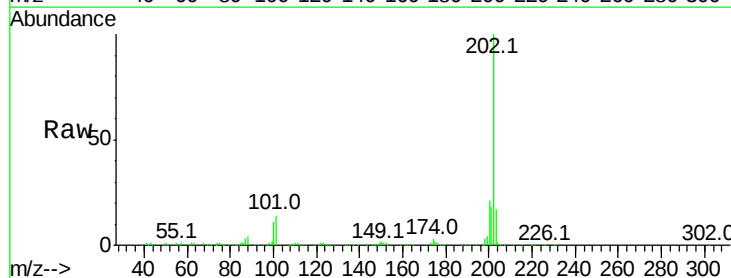
RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

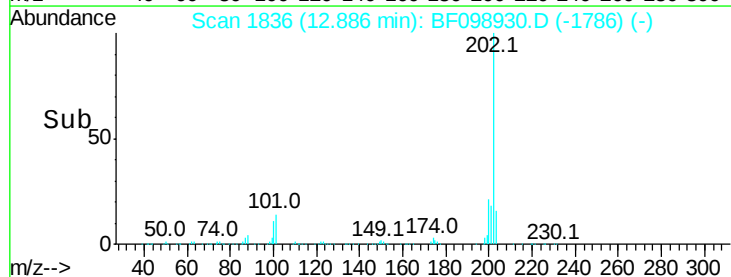
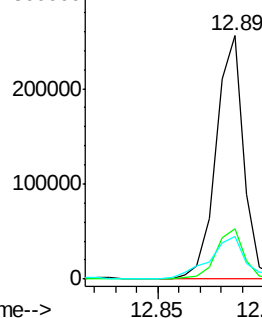
Lab File: BF098930.D

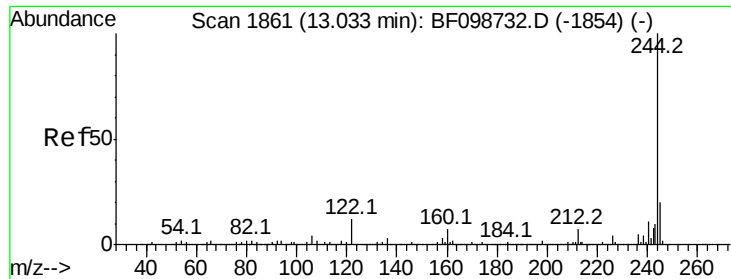
Acq: 29 Sep 2017 2:12

Tgt Ion:	202	Resp:	232841
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.4	14.3	21.5



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: 12.180 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

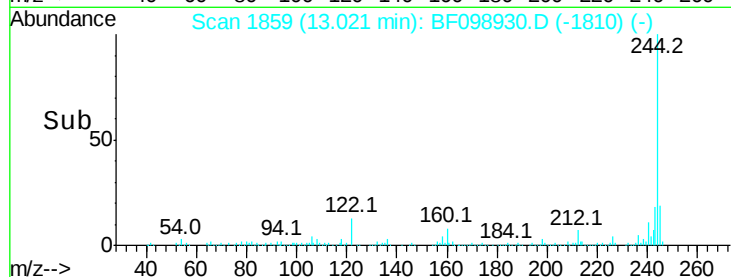
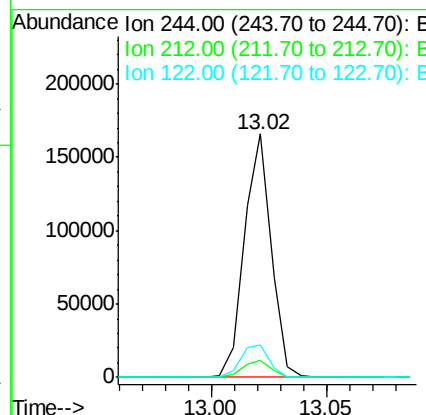
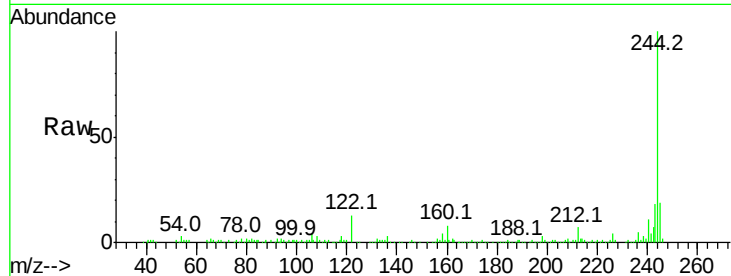
BNA_F

ClientSampleId :

CL-02-092717-A

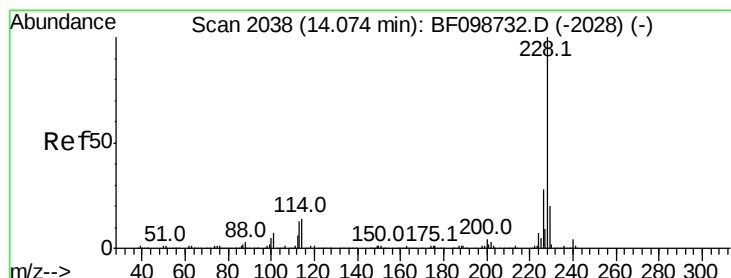
Tot Ion:	244	Resp:	134347
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.037 ng

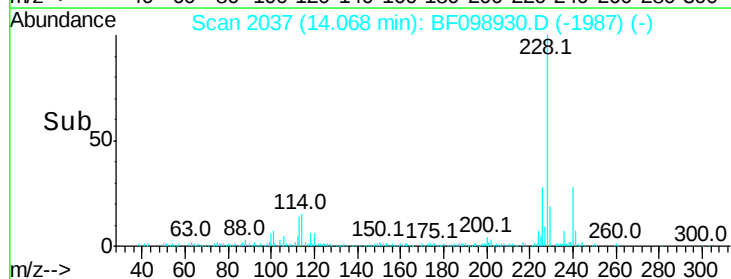
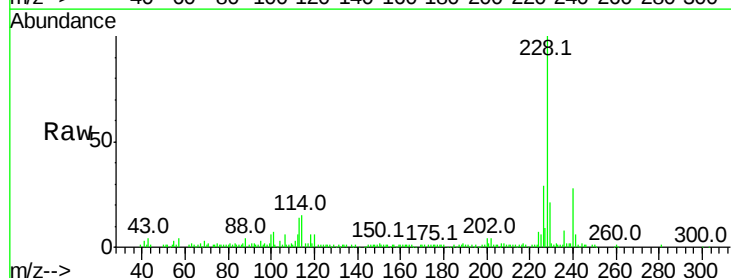
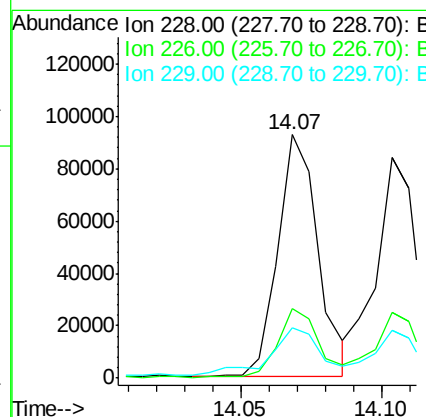
RT: 14.07 min Scan# 2037

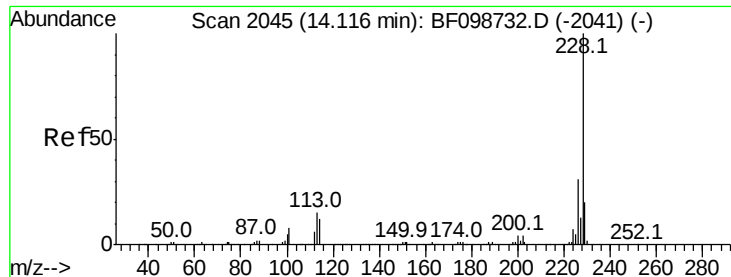
Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Tgt Ion:	228	Resp:	91701
Ion Ratio		Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.5	15.8	23.6



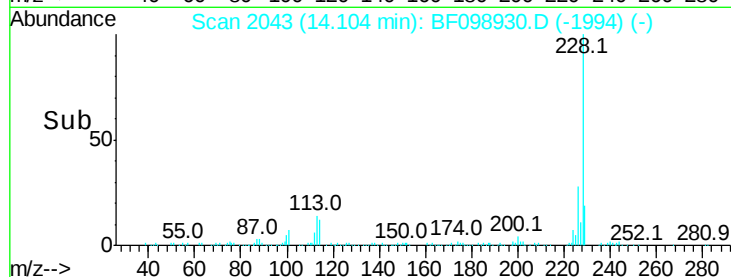
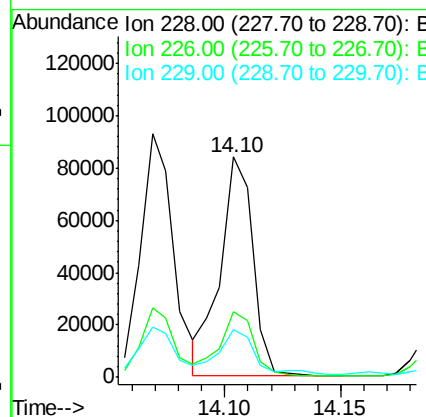
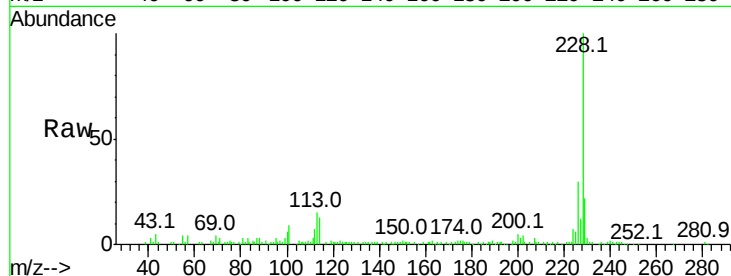


#82
Chrysene
Concen: 5.689 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-A

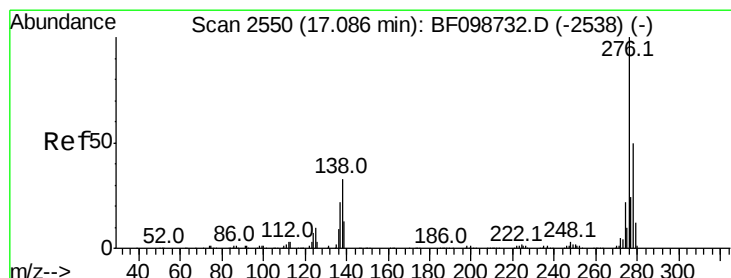
Tot Ion:	228	Resp:	82270
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	21.8	16.2	24.4

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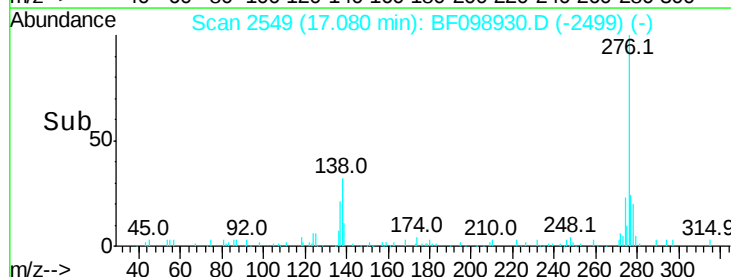
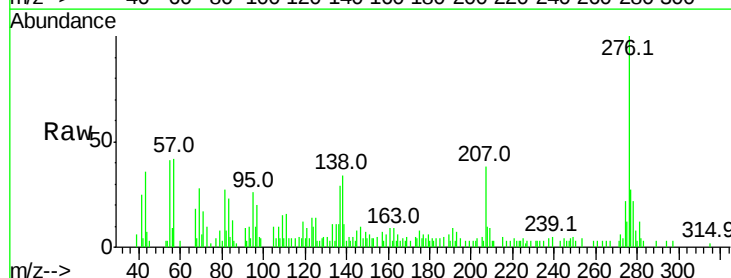
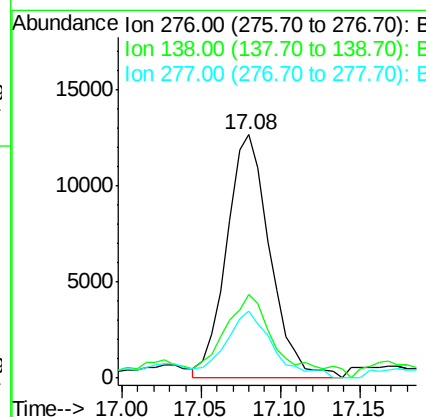
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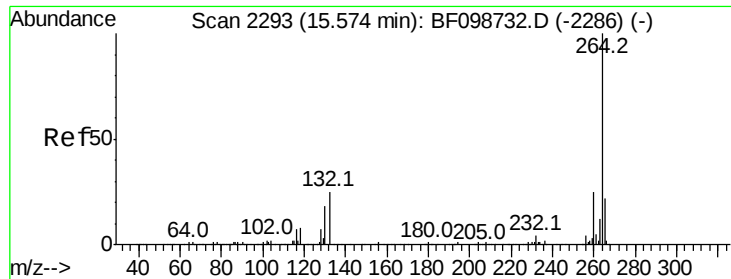
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.085 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion:	276	Resp:	24118
Ion Ratio	Lower	Upper	
276	100		
138	40.7	25.0	37.6#
277	29.9	20.1	30.1



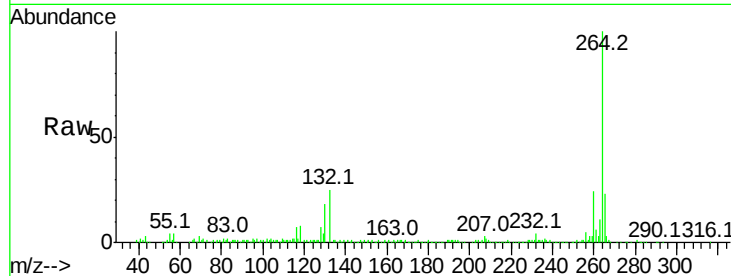


#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

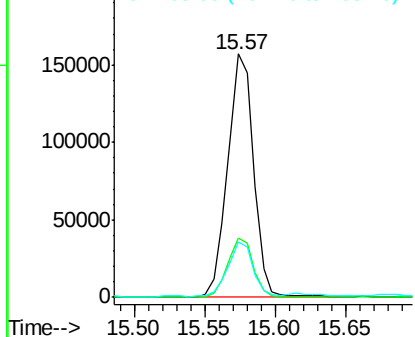
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.8	17.5	26.3

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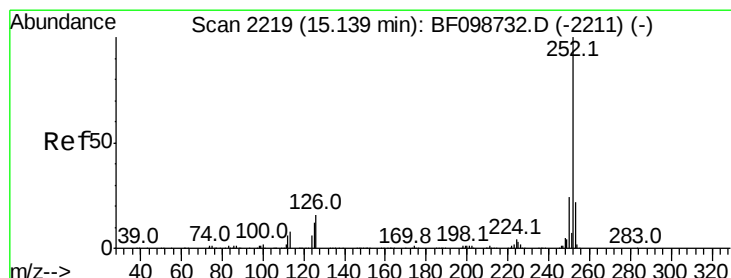
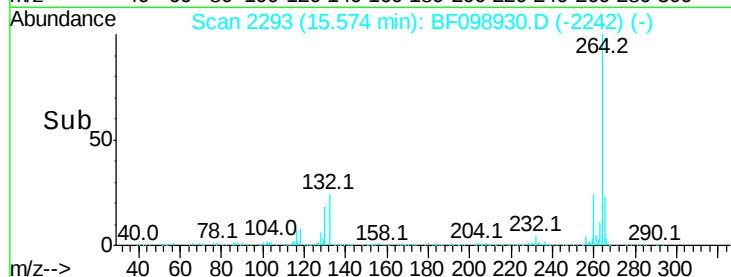


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



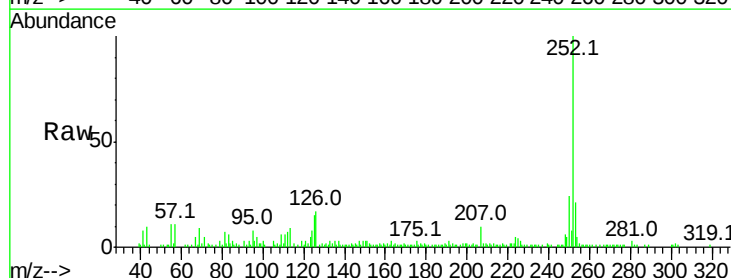
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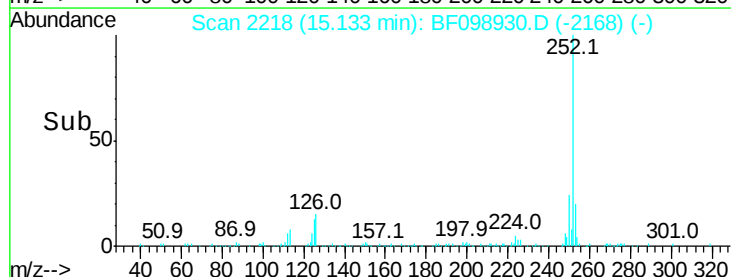
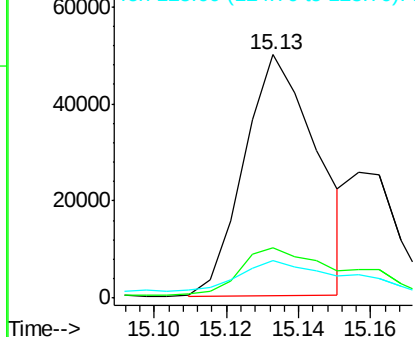


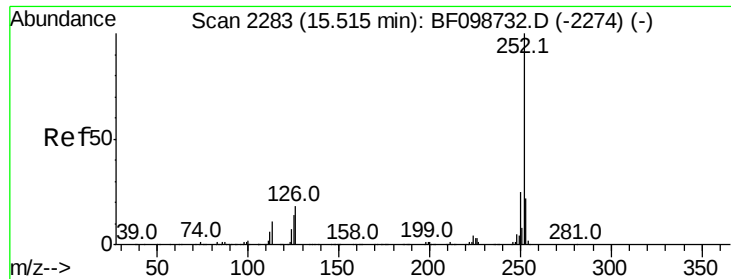
#87
 Benzo(b)fluoranthene
 Concen: 5.651 ng m
 RT: 15.13 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.0	25.6
125	15.4	9.0	13.6#



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



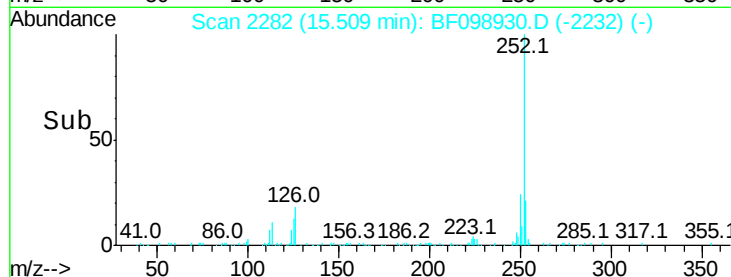
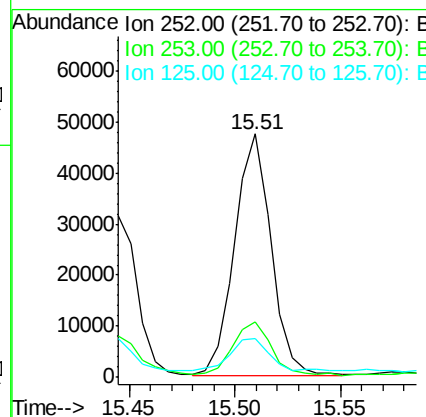
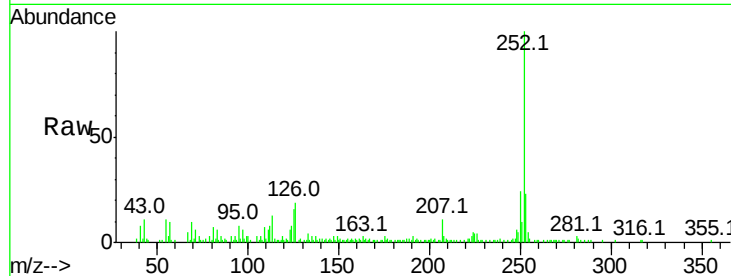


#89
Benzo(a)pyrene
Concen: 4.949 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-A

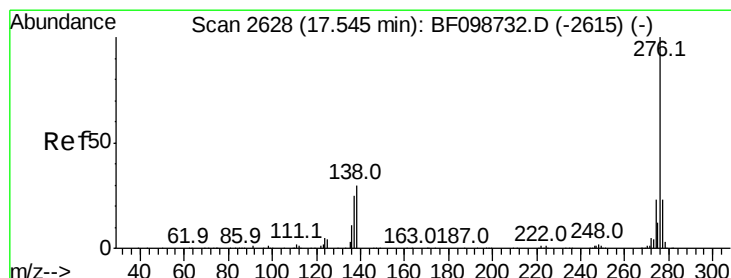
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	16.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.868 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.9	26.9
138	32.1	21.8	32.8

