

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097925.D
 Acq On : 22 Aug 2017 00:30
 Operator : SJ/JU
 Sample : I4875-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

Manual Integrations
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Sohil
 8/22/2017 5:44:49 PM

Quant Time: Aug 22 06:36:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	113010	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	419616	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	159496	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	263050	20.00	ng	0.00
75) Chrysene-d12	13.90	240	222686	20.00	ng	0.00
86) Perylene-d12	15.32	264	147717	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	372113	50.09	ng	0.00
7) Phenol-d6	6.38	99	495022	49.04	ng	0.00
23) Nitrobenzene-d5	7.31	82	287793	37.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	61227	44.24	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	431363	39.74	ng	0.00
78) Terphenyl-d14	12.85	244	312627	29.28	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	84983	7.289	ng	97
70) Phenanthrene	11.29	178	135307	9.653	ng	98
71) Anthracene	11.34	178	43482	3.058	ng	98
74) Fluoranthene	12.47	202	218763	14.952	ng	99
77) Pyrene	12.70	202	225831	12.399	ng	98
80) Benzo(a)anthracene	13.89	228	86235m	6.461	ng	
82) Chrysene	13.92	228	86651	6.527	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	26619	2.725	ng	96
87) Benzo(b)fluoranthene	14.92	252	70025m	7.521	ng	
88) Benzo(k)fluoranthene	14.94	252	27481m	3.141	ng	
89) Benzo(a)pyrene	15.26	252	53816	6.529	ng	# 89
91) Benzo(a,h,i)perylene	17.11	276	27763	3.965	ng	94

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

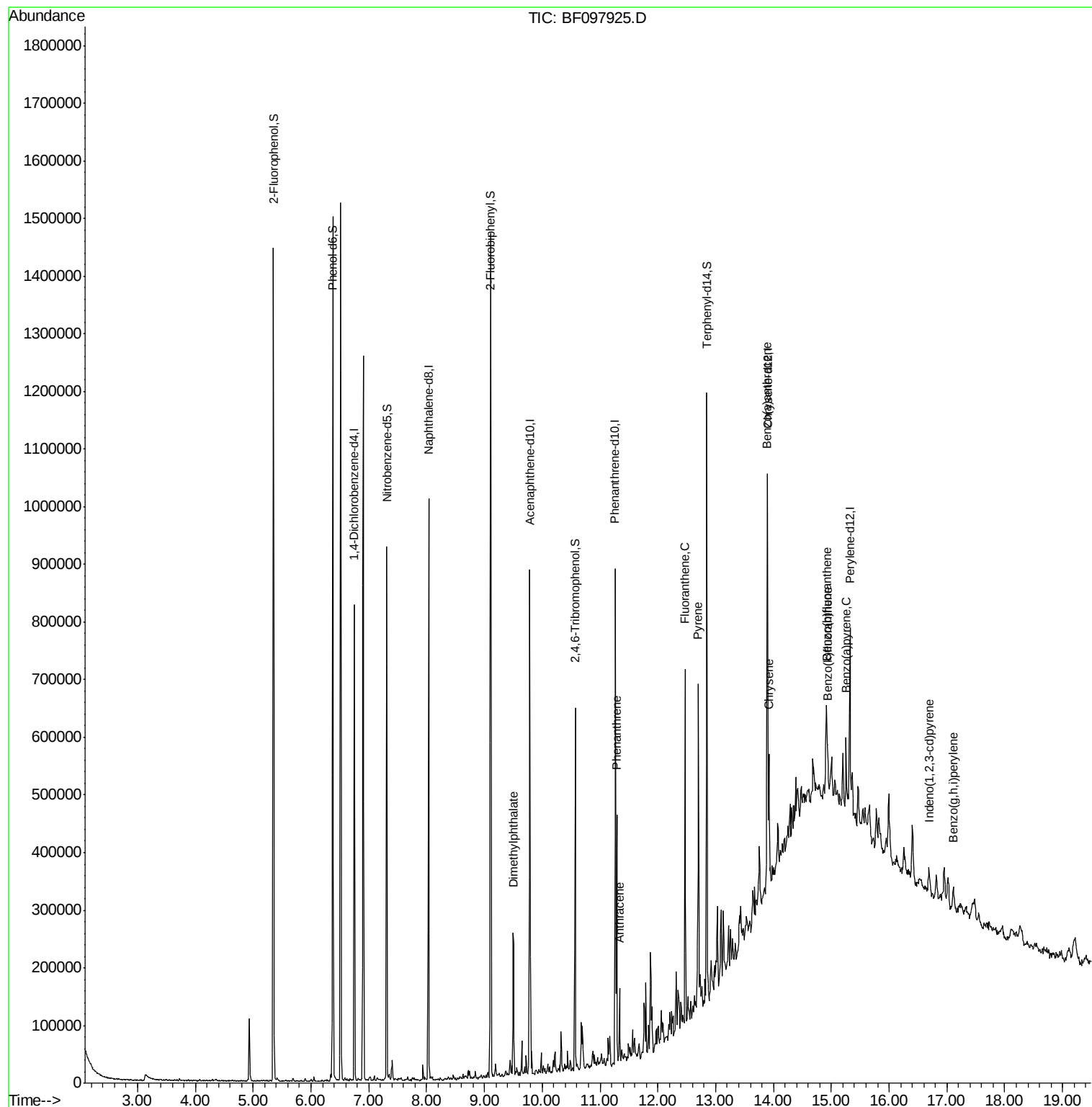
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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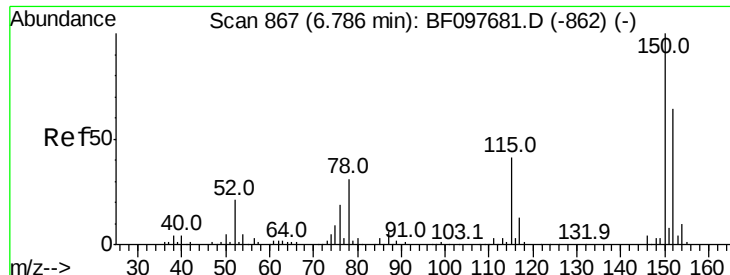
Instrument :
BNA_F
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CL-02-081717-C

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

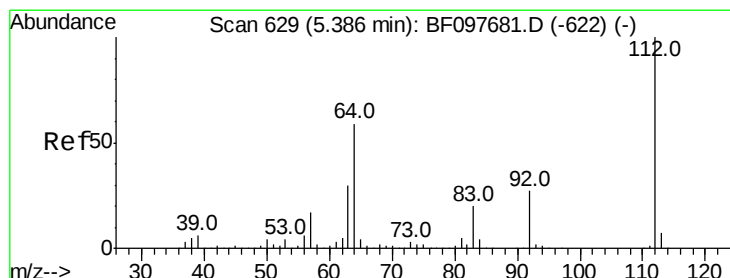
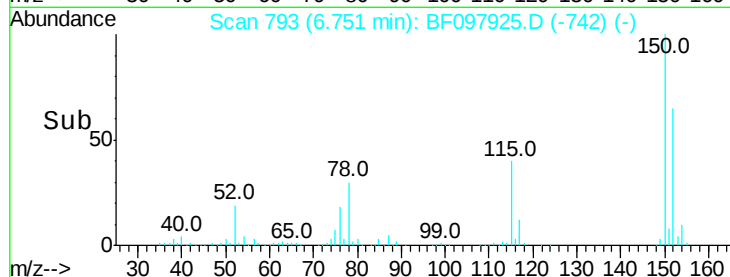
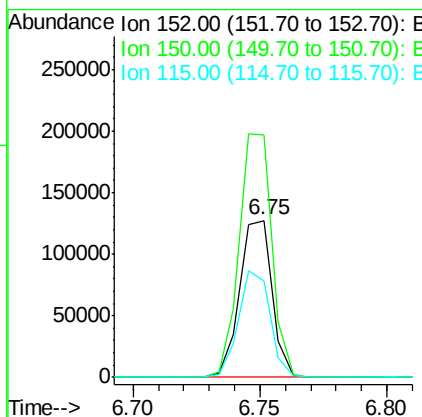
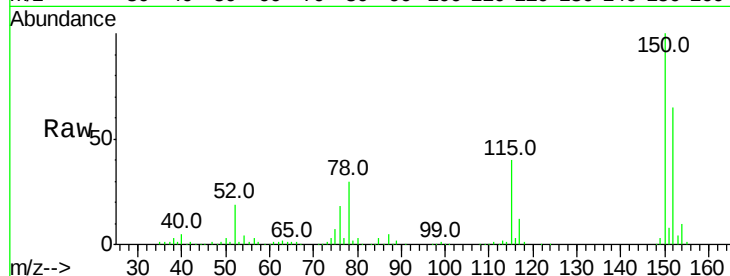
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	61.9	52.2	78.2

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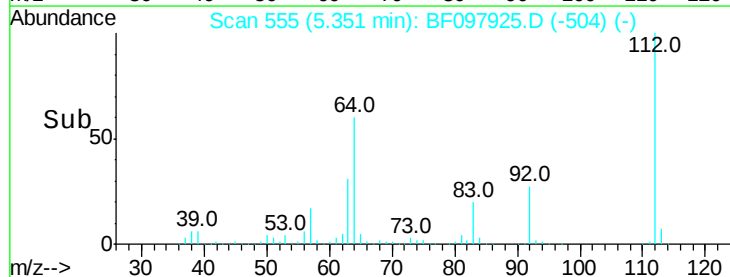
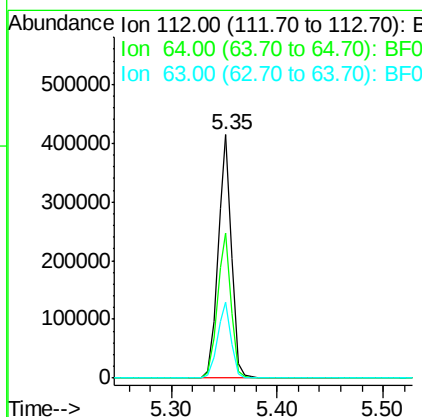
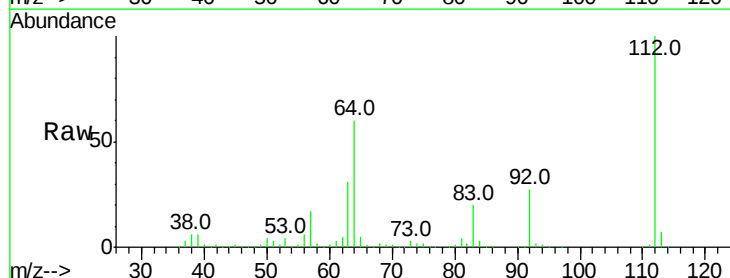
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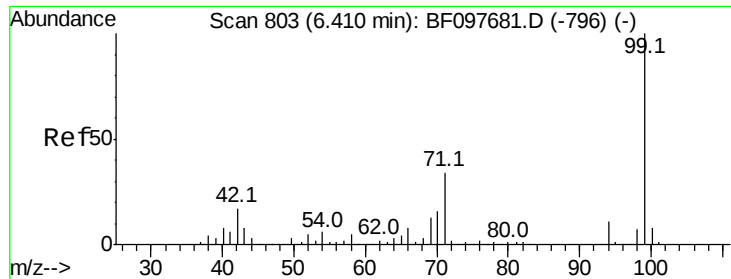


#5

2-Fluorophenol
Concen: 50.085 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.0	69.0
63	31.2	23.4	35.0





#7

Phenol-d6

Concen: 49.038 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

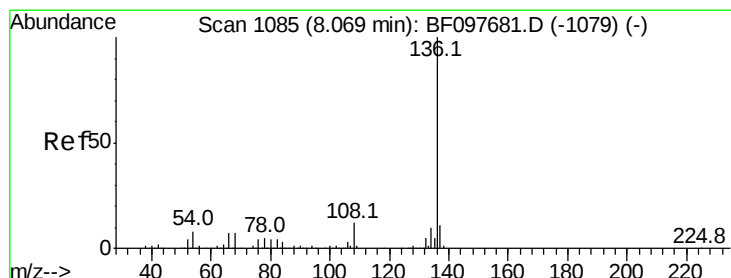
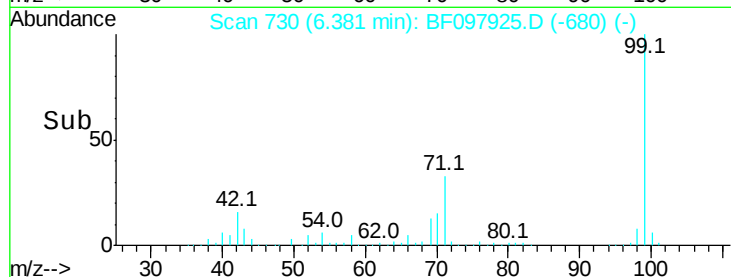
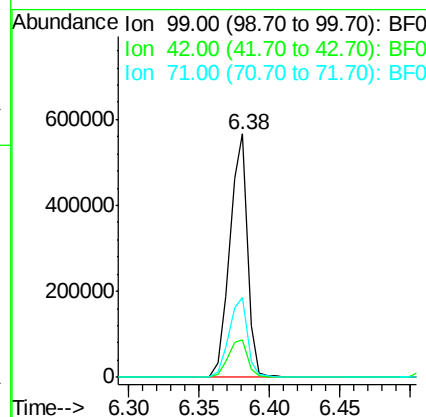
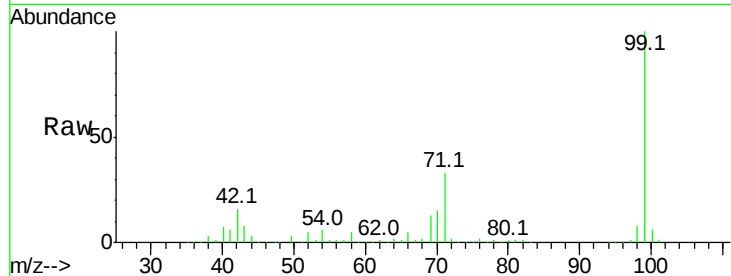
ClientSampleId :

CL-02-081717-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		495022		
42	15.6	13.5	20.3		
71	32.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

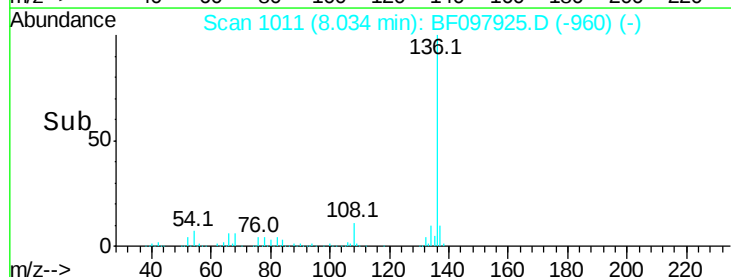
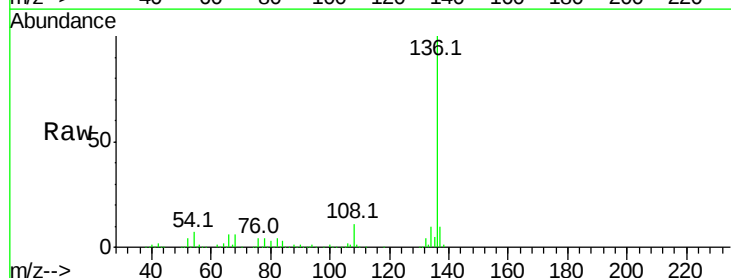
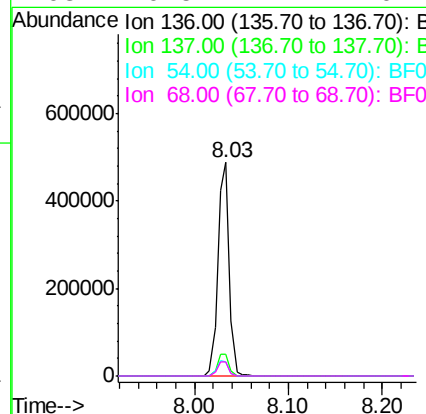
RT: 8.03 min Scan# 1011

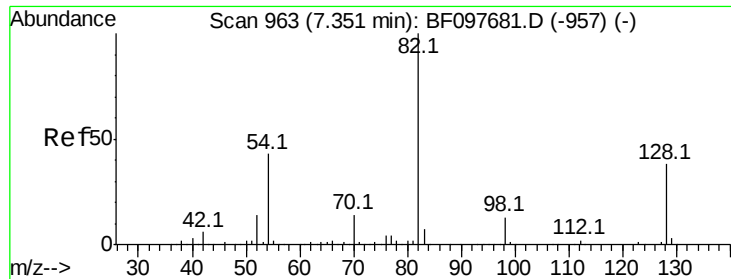
Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		419616		
137	10.5	8.5	12.7		
54	6.8	4.9	7.3		
68	6.5	4.1	6.1#		





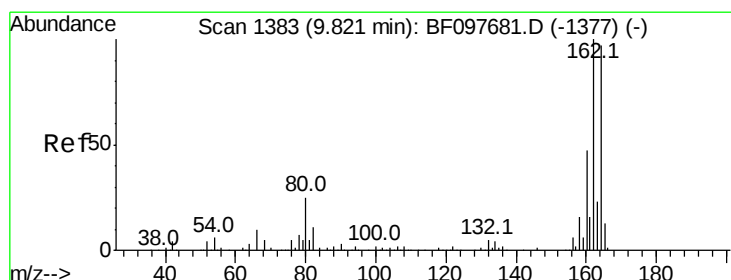
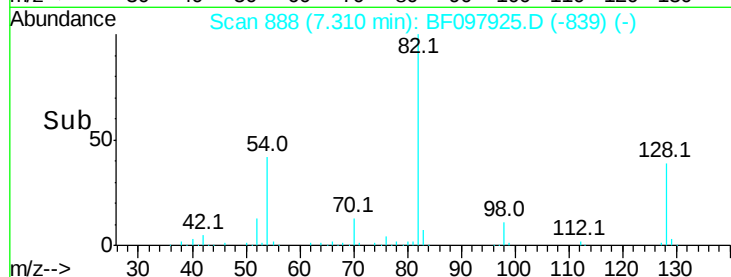
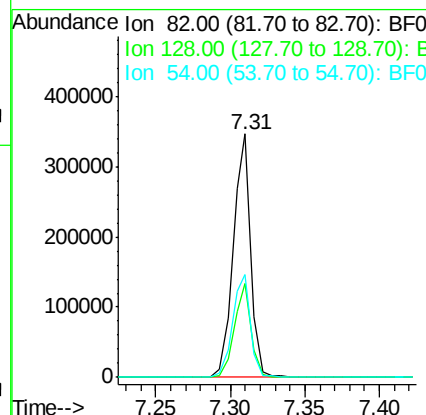
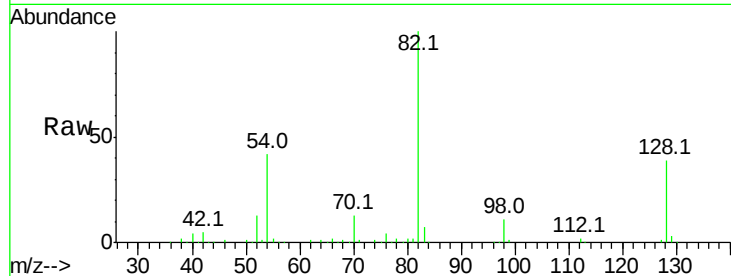
#23
 Nitrobenzene-d5
 Concen: 37.258 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.5	34.0	51.0	
54	42.1	42.2	63.2	

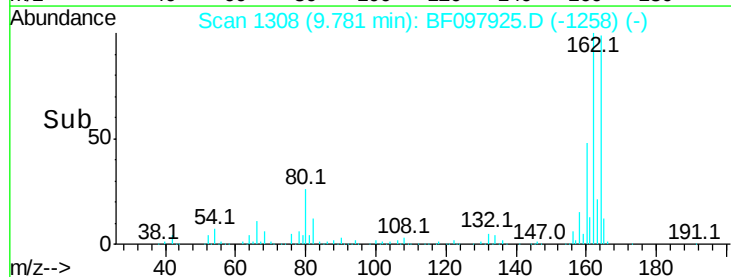
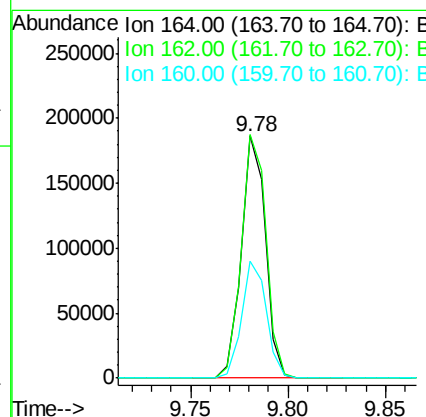
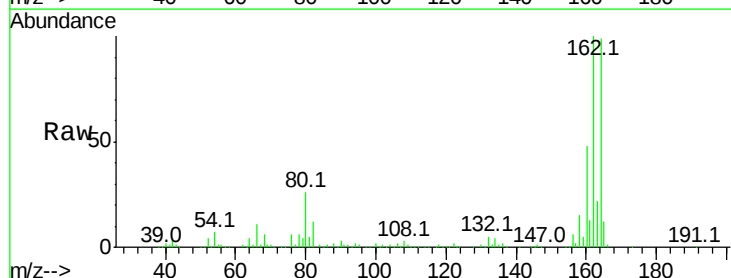
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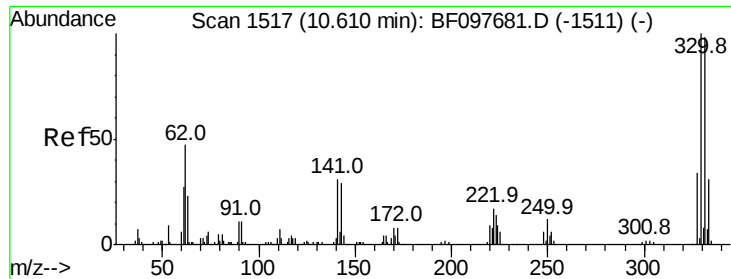
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	82.6	123.8	
160	48.3	36.2	54.2	





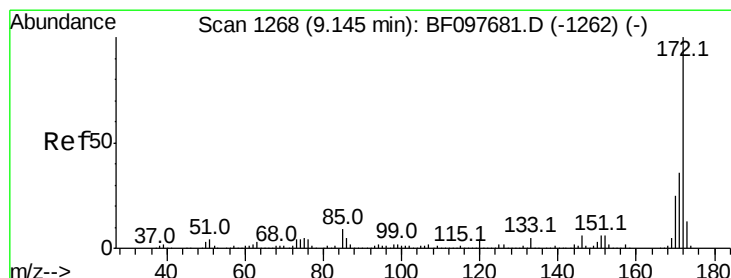
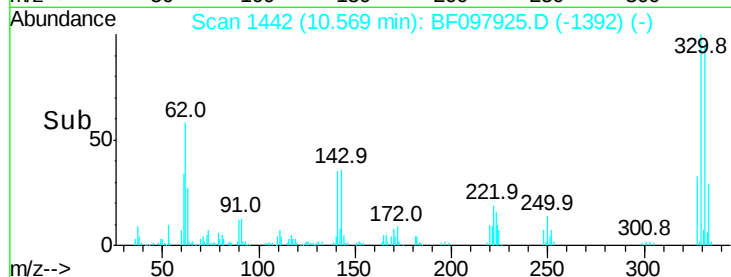
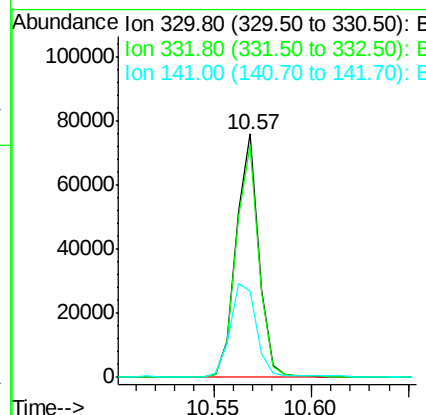
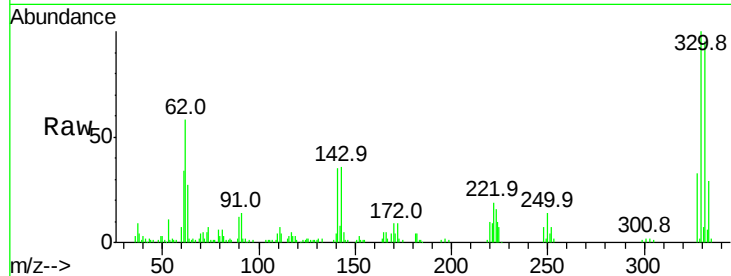
#41
 2,4,6-Tribromophenol
 Concen: 44.243 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	45.1	31.4	47.2

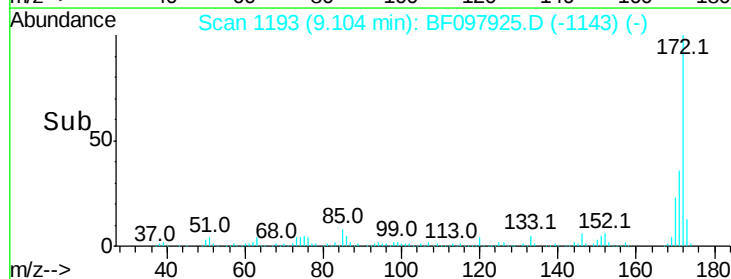
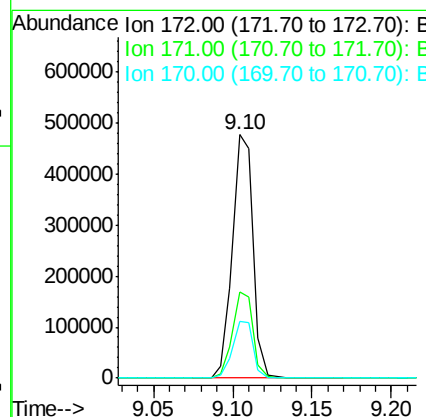
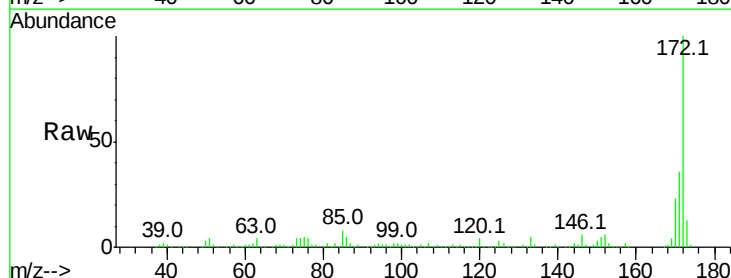
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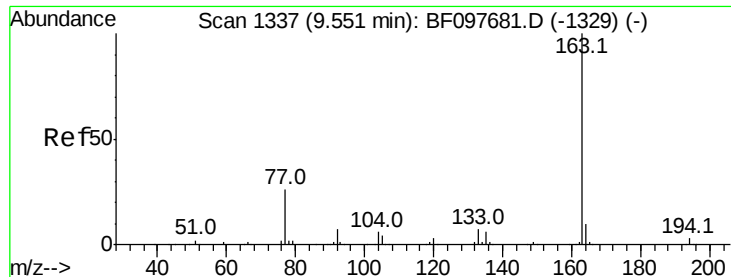
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#44
 2-Fluorobiphenyl
 Concen: 39.735 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.5	19.8	29.8





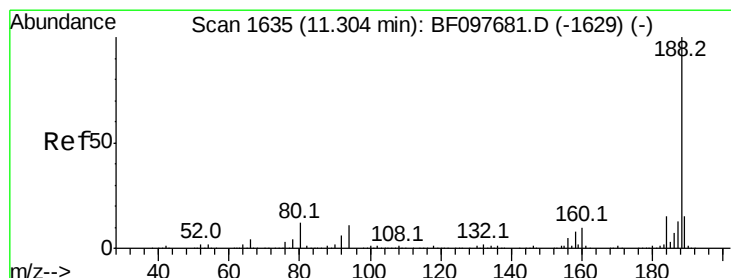
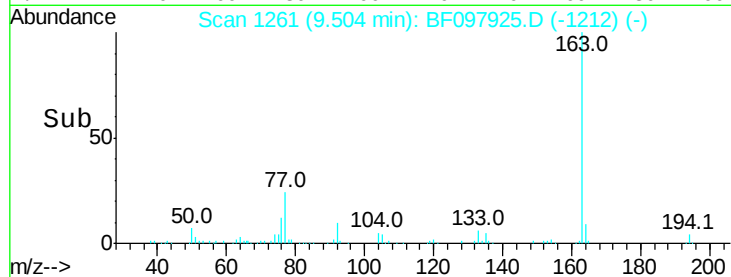
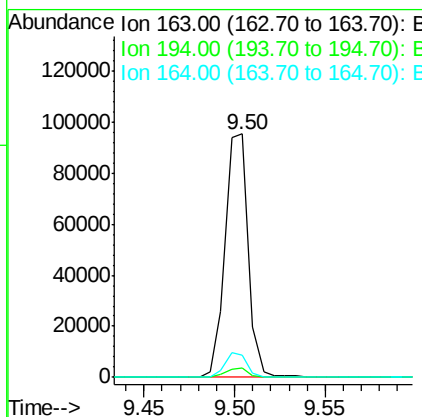
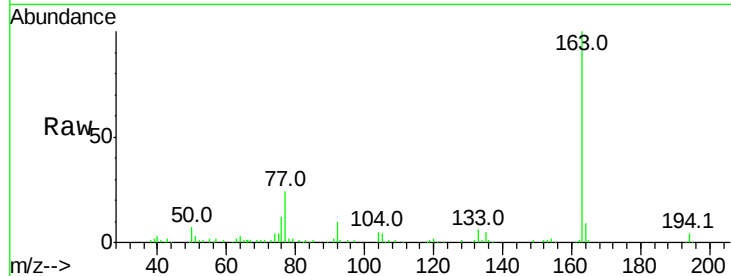
#49
 Dimethylphthalate
 Concen: 7.289 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

Tot Ion:	163	Resp:	84983
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.3	8.4	12.6

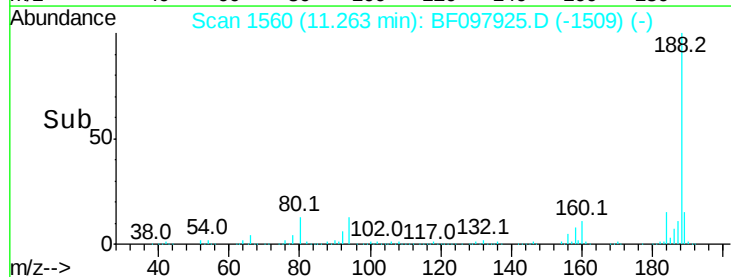
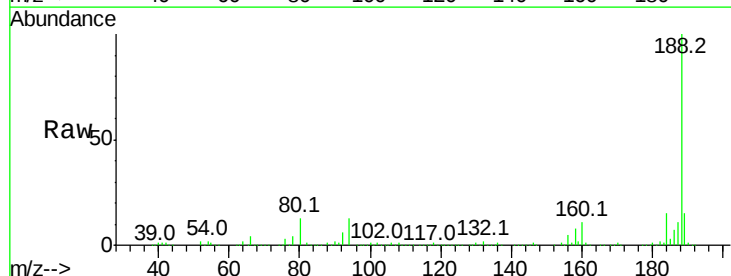
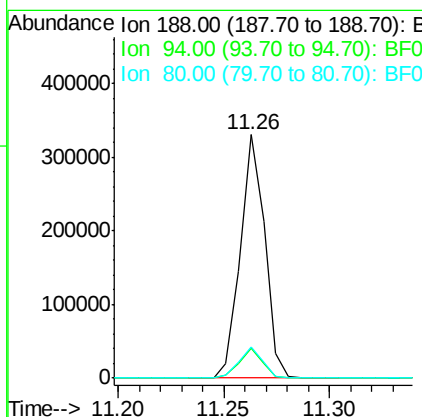
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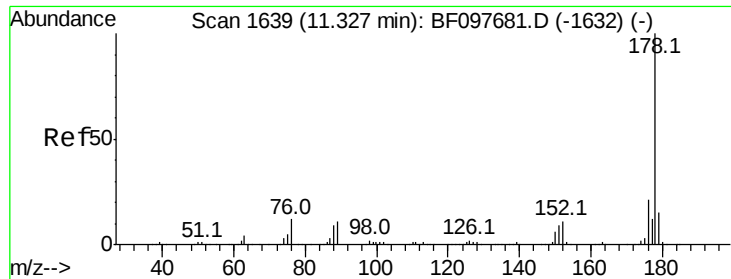
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion:	188	Resp:	263050
Ion Ratio	Lower	Upper	
188	100		
94	12.5	9.4	14.2
80	12.9	10.2	15.2





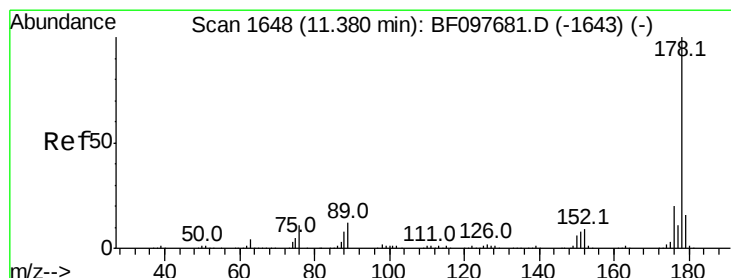
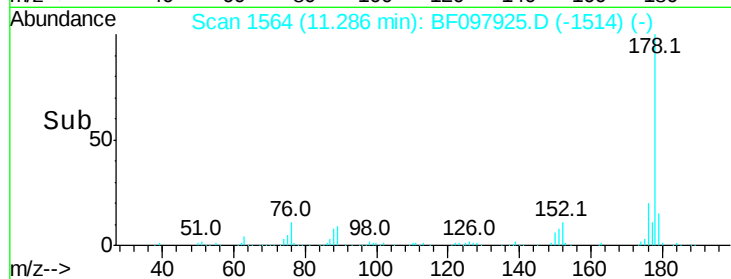
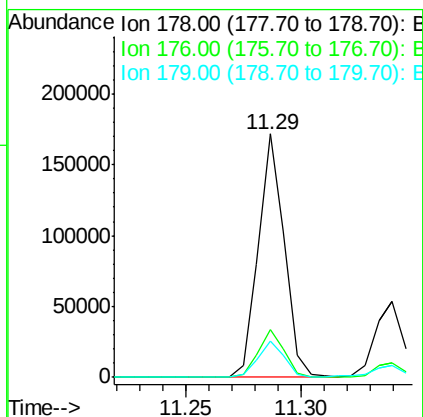
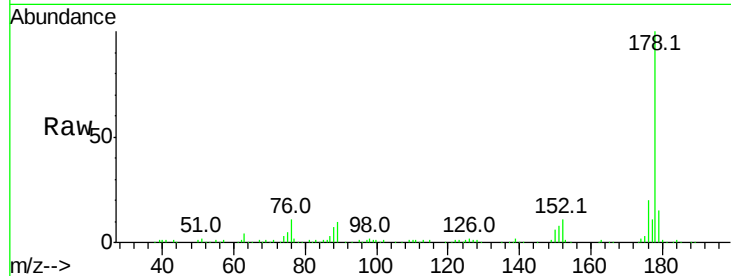
#70
Phenanthrene
Concen: 9.653 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.9	12.6	19.0

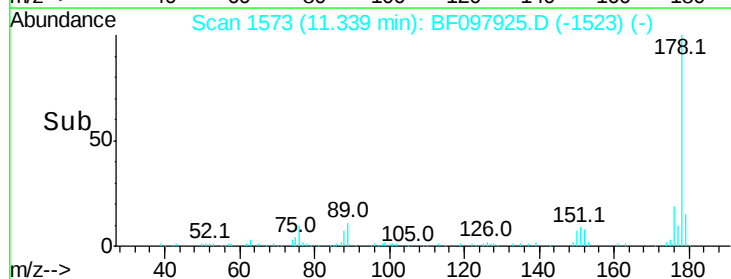
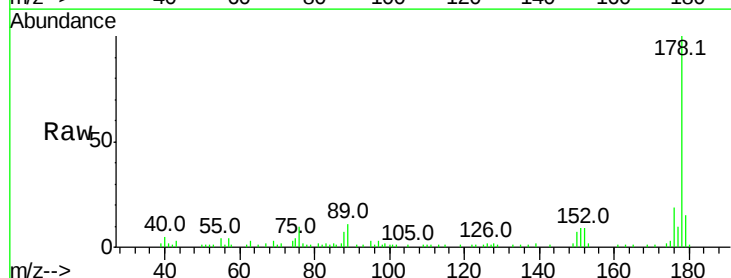
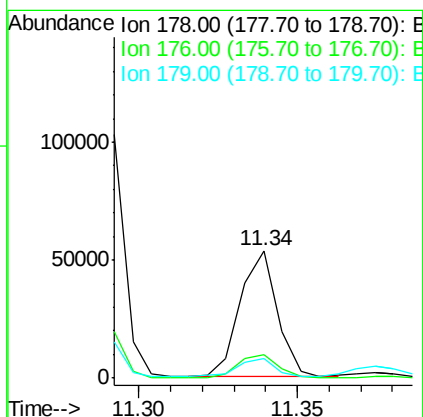
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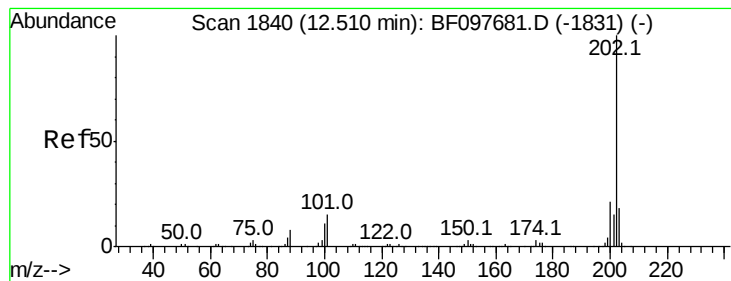
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#71
Anthracene
Concen: 3.058 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	12.7	19.1





#74

Fluoranthene

Concen: 14.952 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

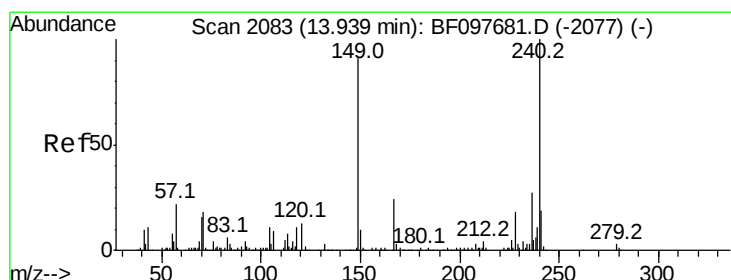
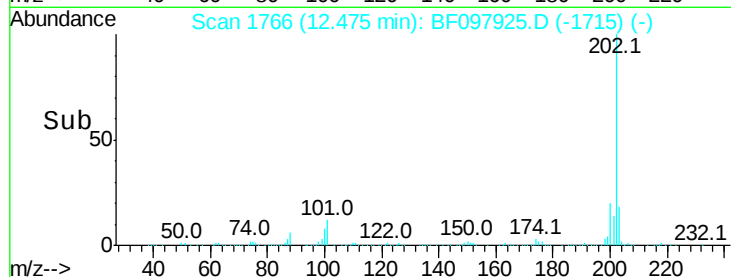
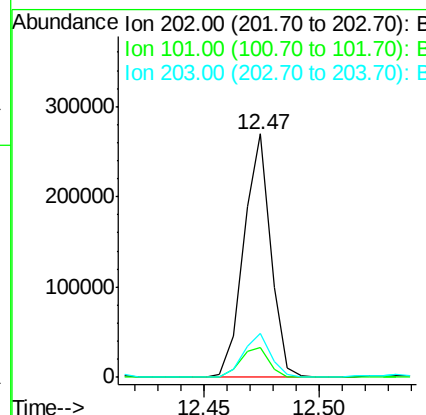
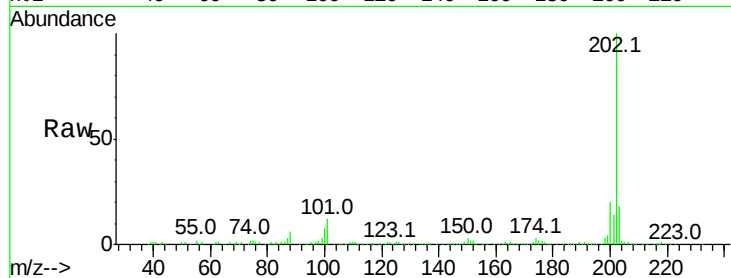
ClientSampleId :

CL-02-081717-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	218763		
101	12.3	0.0	33.2	
203	18.0	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

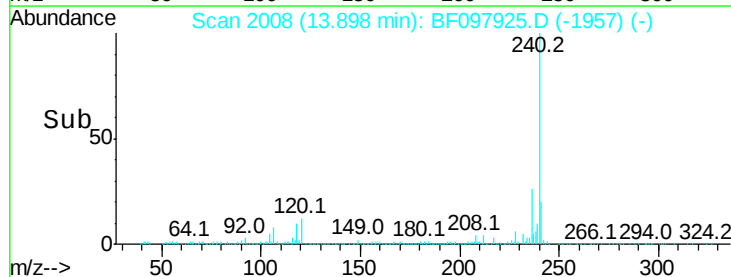
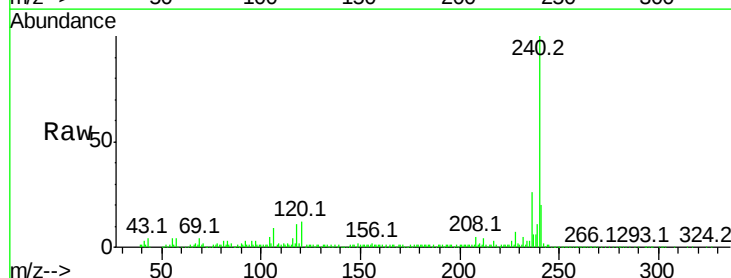
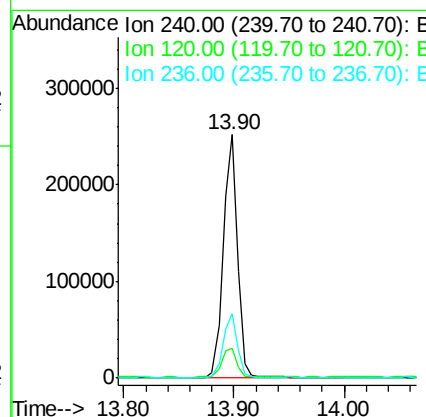
RT: 13.90 min Scan# 2008

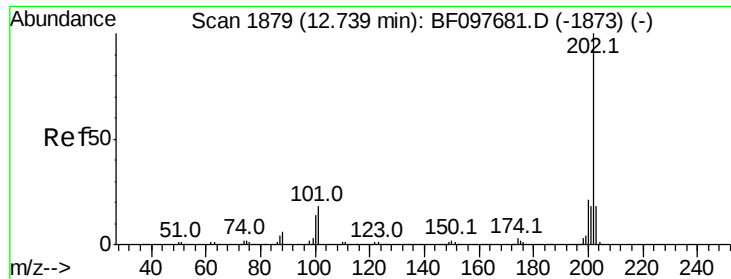
Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	222686		
120	12.4	5.8	8.8#	
236	26.3	20.5	30.7	





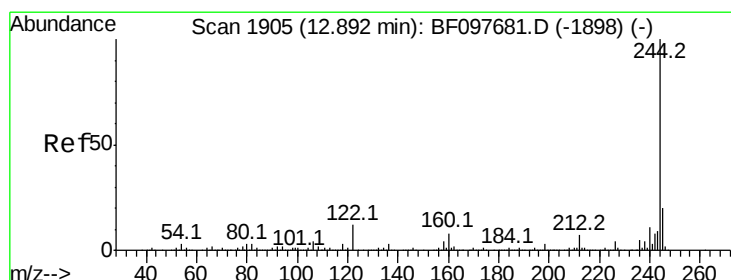
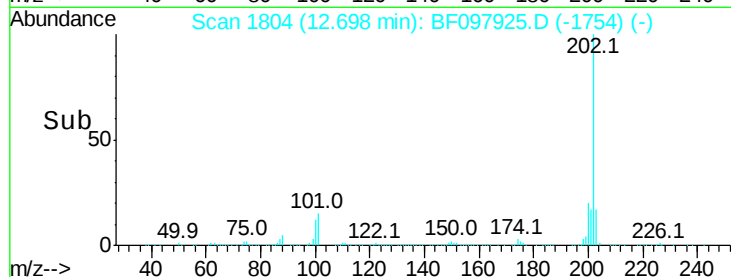
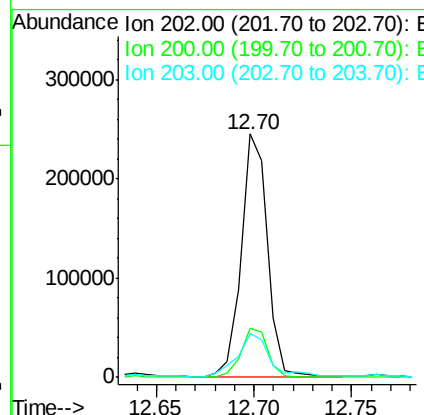
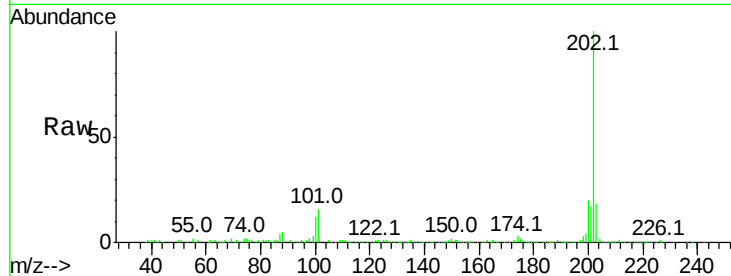
#77
Pvrene
Concen: 12.399 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.6	26.4
203	17.9	14.4	21.6

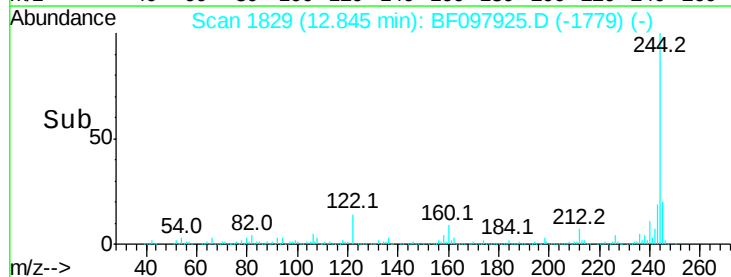
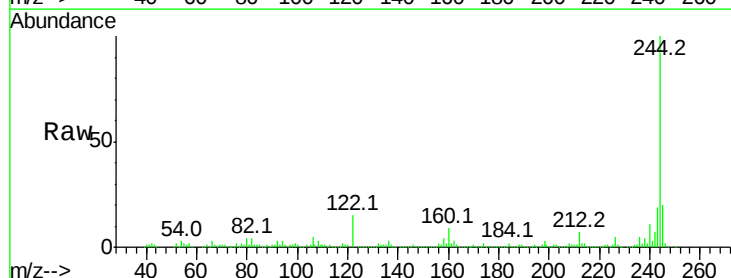
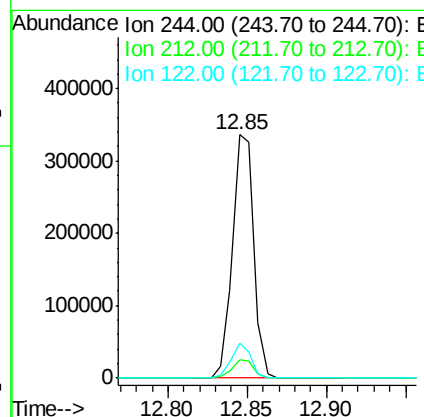
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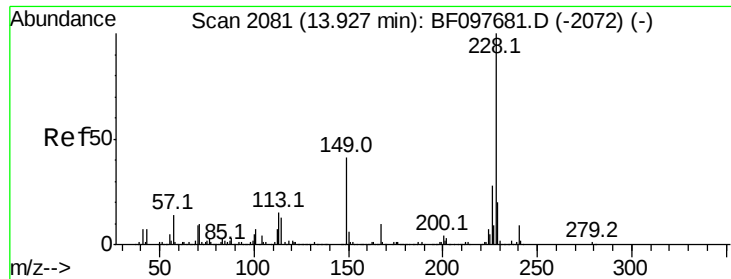
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#78
Terphenyl-d14
Concen: 29.276 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.5	10.3	15.5





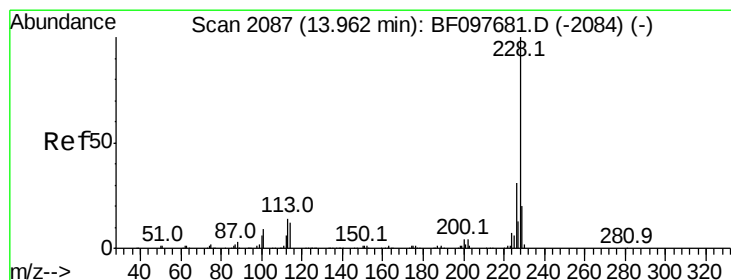
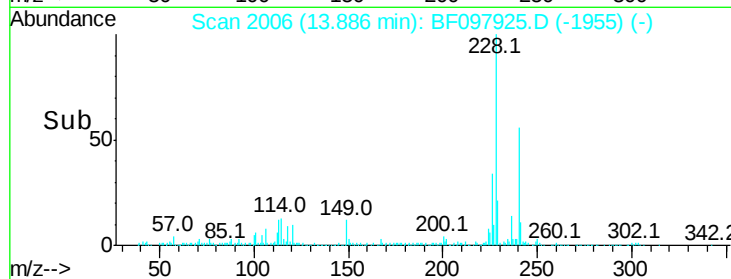
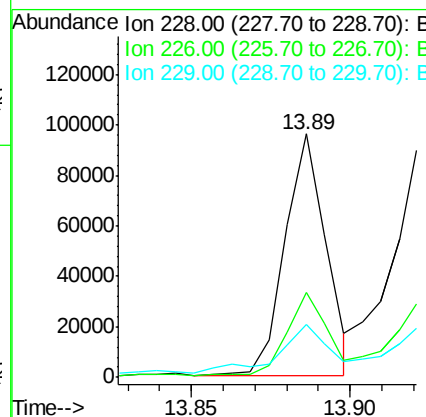
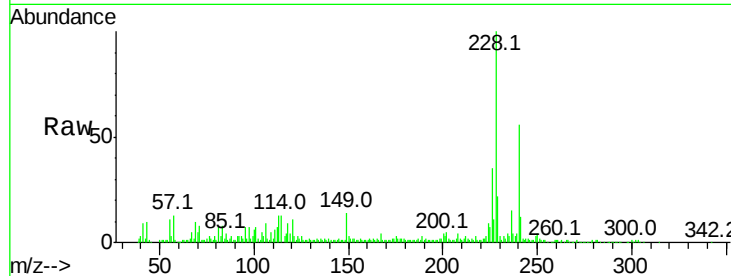
#80
Benzo(a)anthracene
Concen: 6.461 ng m
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	21.6	16.3	24.5

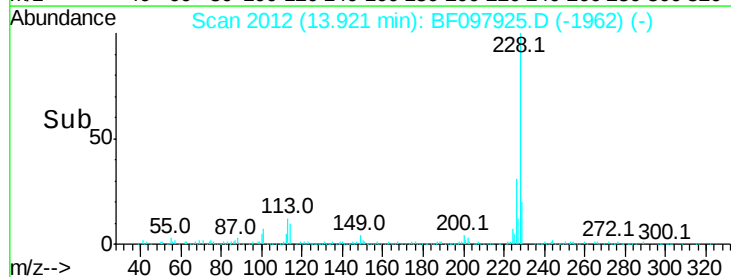
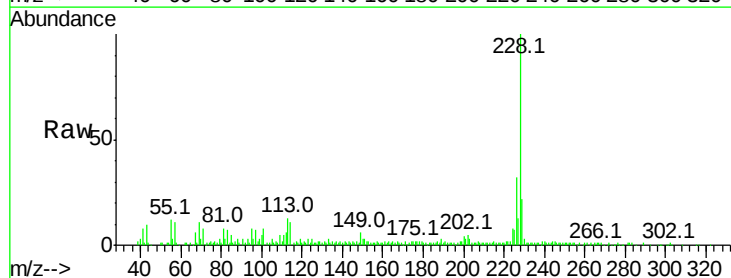
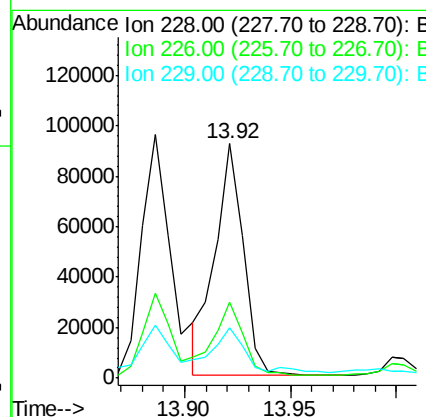
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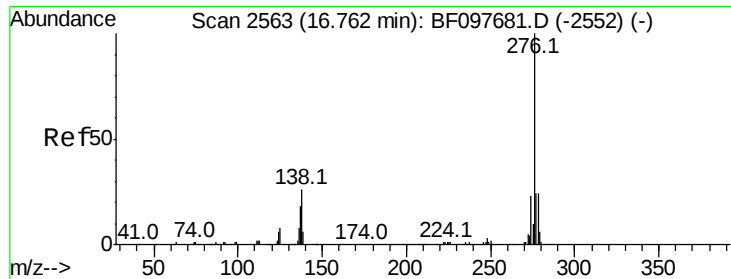
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#82
Chrysene
Concen: 6.527 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	21.6	15.8	23.6





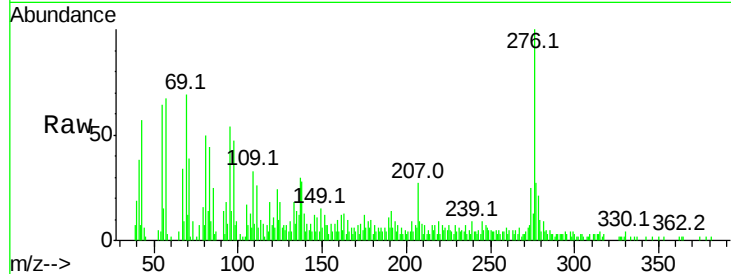
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.725 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081717-C

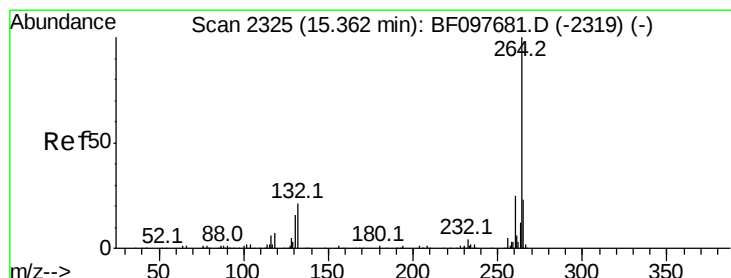
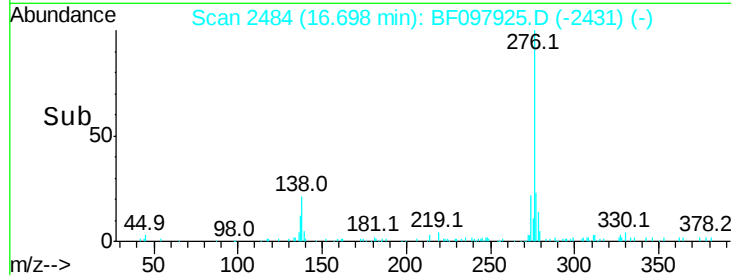
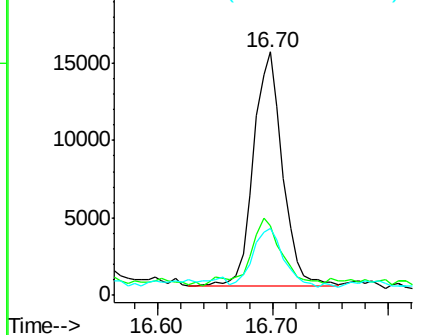
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	27.8	41.6
277	26.2	20.2	30.4

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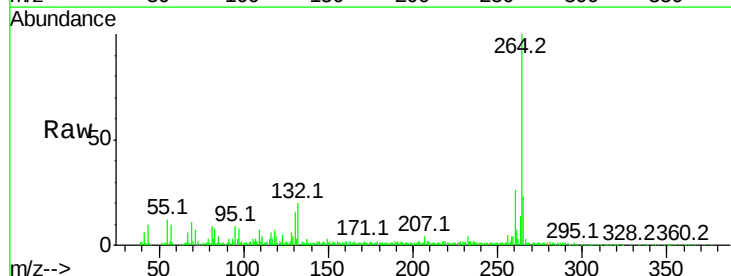


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

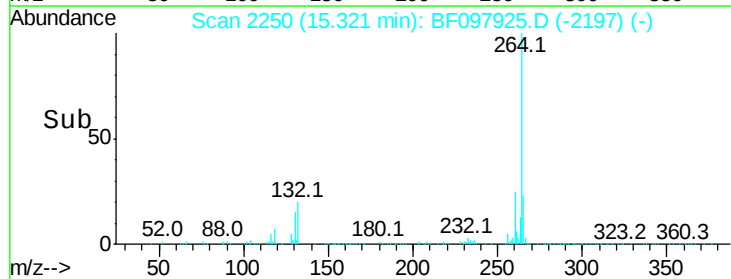
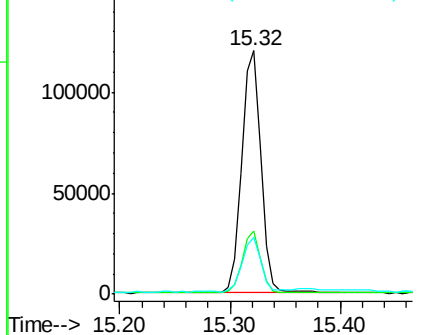


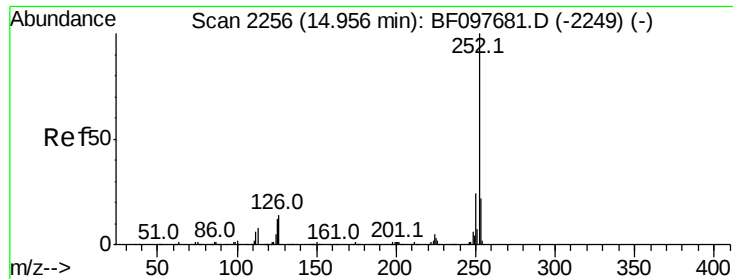
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF097925.D
 Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.5	29.3
265	23.3	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: 7.521 ng m

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Instrument :

BNA_F

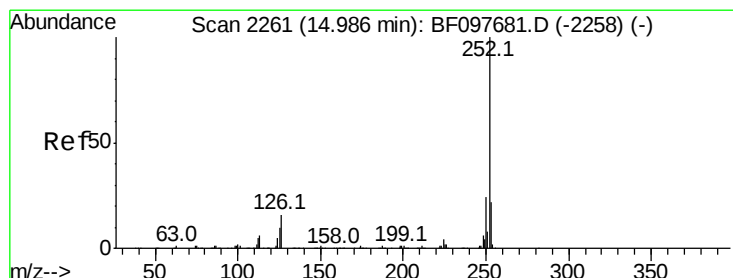
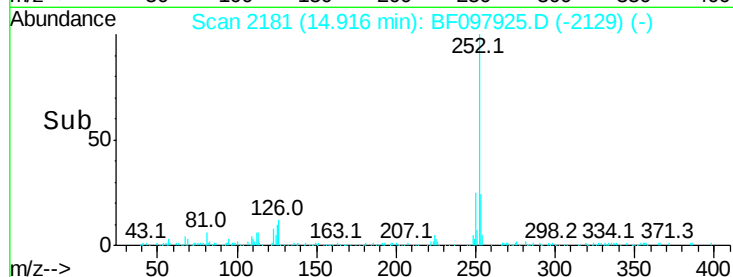
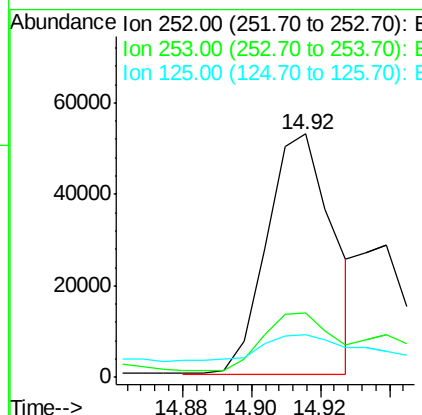
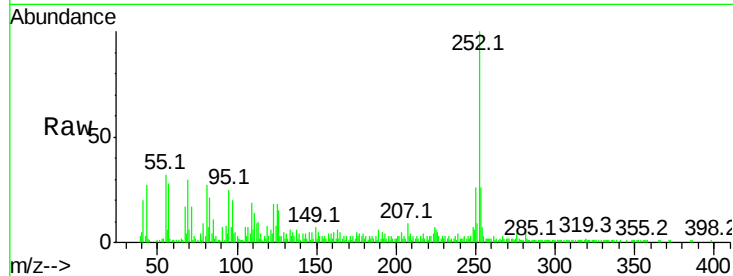
ClientSampleId :

CL-02-081717-C

Tot Ion:	252	Resp:	70025
Ion Ratio	Lower	Upper	
252	100		
253	26.5	18.1	27.1
125	17.6	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 3.141 ng m

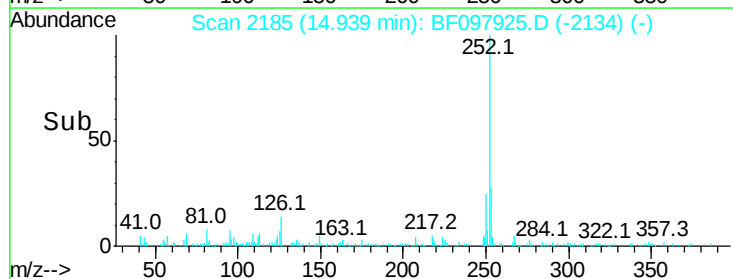
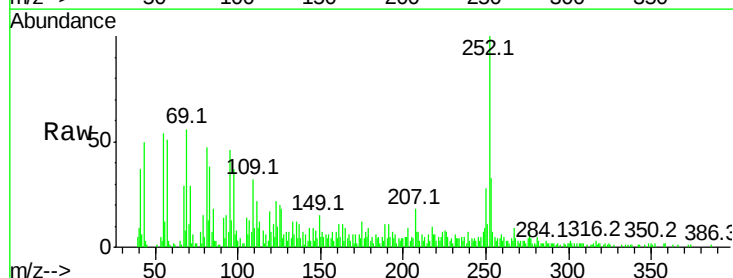
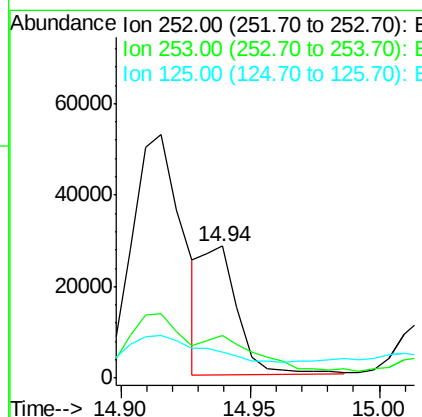
RT: 14.94 min Scan# 2185

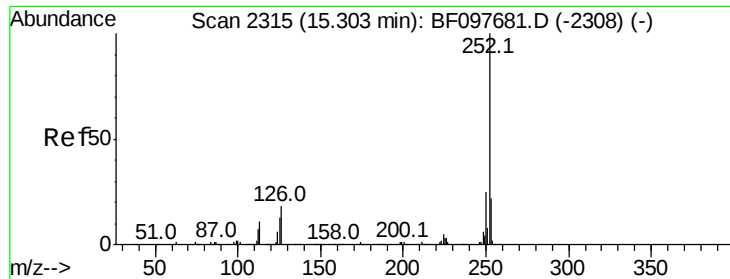
Delta R.T. 0.00 min

Lab File: BF097925.D

Acq: 22 Aug 2017 00:30

Tgt Ion:	252	Resp:	27481
Ion Ratio	Lower	Upper	
252	100		
253	32.5	18.4	27.6#
125	19.7	13.1	19.7#





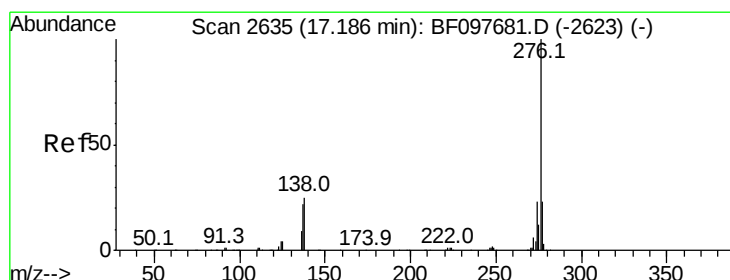
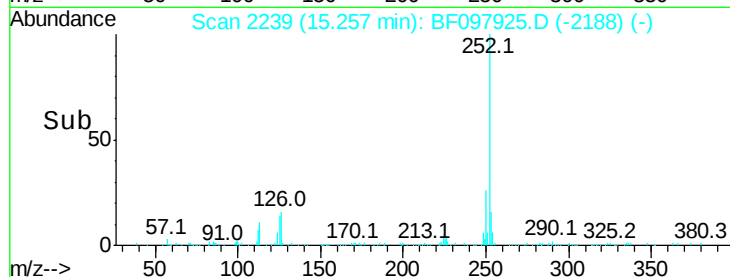
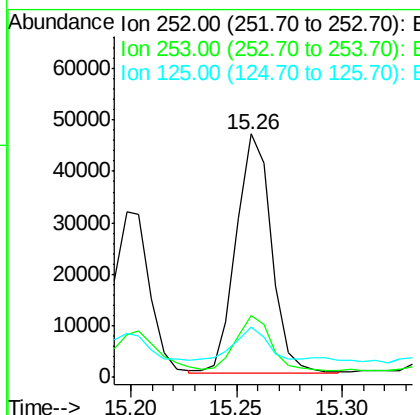
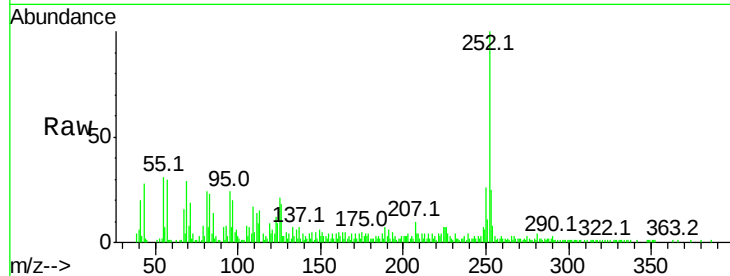
#89
Benzo(a)pyrene
Concen: 6.529 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-081717-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	20.9	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 3.965 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.00 min
Lab File: BF097925.D
Acq: 22 Aug 2017 00:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	28.5	25.4	38.0

