

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097924.D
 Acq On : 22 Aug 2017 00:02
 Operator : SJ/JU
 Sample : I4875-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 8/22/2017 5:44:47 PM

Quant Time: Aug 22 06:00:55 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	110587	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	412353	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	161004	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	259880	20.00	ng	0.00
75) Chrysene-d12	13.90	240	221960	20.00	ng	0.00
86) Perylene-d12	15.32	264	146713	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	328932	45.24	ng	0.00
7) Phenol-d6	6.37	99	447284	45.28	ng	-0.01
23) Nitrobenzene-d5	7.30	82	256725	33.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	52330	37.46	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	384514	35.09	ng	0.00
78) Terphenyl-d14	12.85	244	254908	23.95	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	68559	5.825	ng	99
70) Phenanthrene	11.29	178	92878	6.707	ng	99
71) Anthracene	11.34	178	36971	2.632	ng	98
74) Fluoranthene	12.47	202	186517	12.904	ng	98
77) Pyrene	12.70	202	224633	12.374	ng	98
80) Benzo(a)anthracene	13.89	228	96820m	7.278	ng	
82) Chrysene	13.92	228	102167m	7.720	ng	
85) Indeno(1,2,3-cd)pyrene	16.69	276	35045	3.600	ng	# 89
87) Benzo(b)fluoranthene	14.91	252	89144m	9.640	ng	
88) Benzo(k)fluoranthene	14.94	252	32502m	3.741	ng	
89) Benzo(a)pyrene	15.26	252	69276	8.462	ng	95
91) Benzo(a,h,i)perylene	17.11	276	33984	4.887	ng	95

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

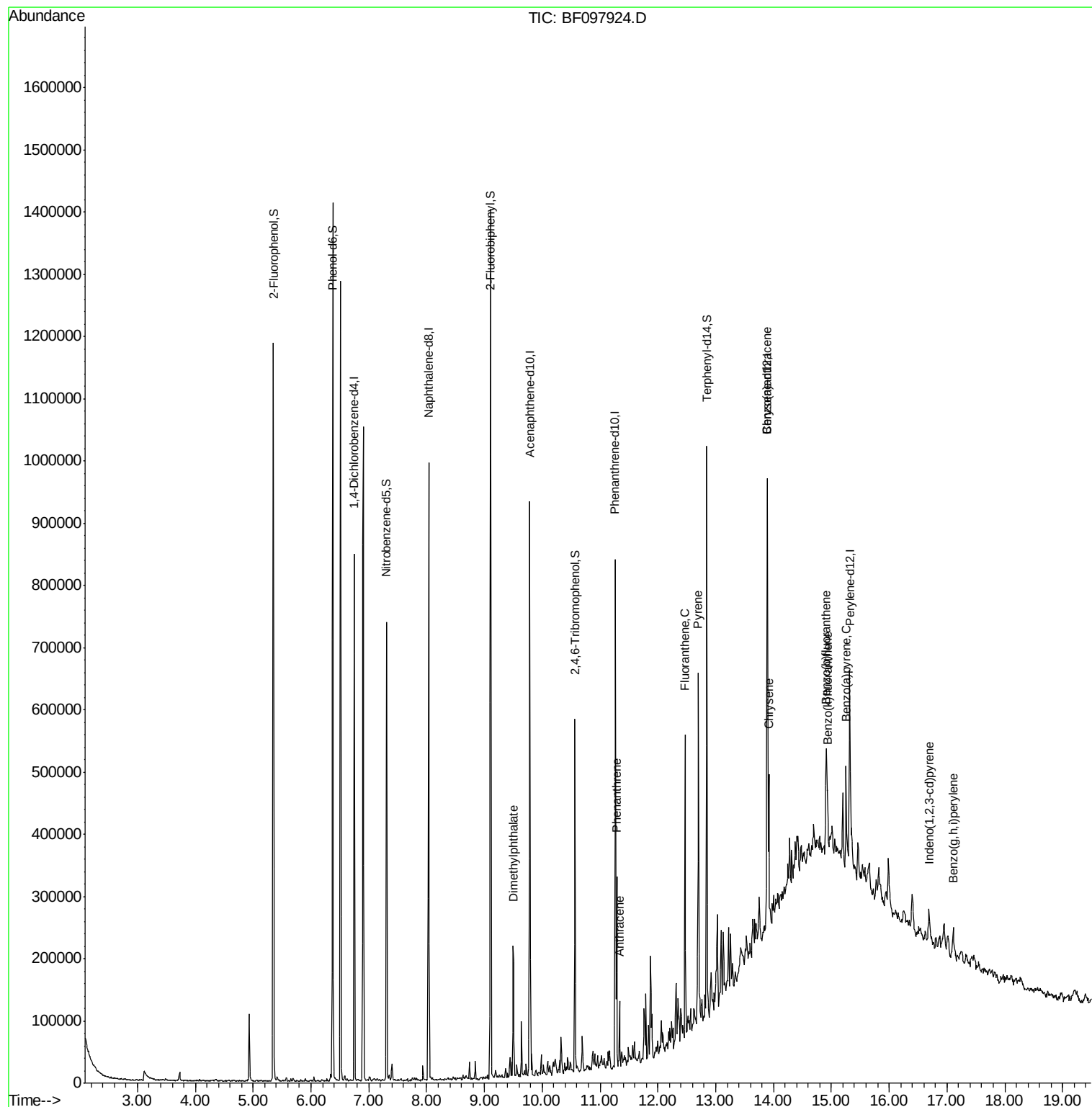
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097924.D
Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

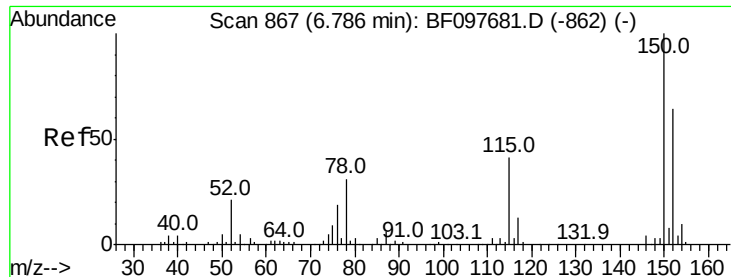
Instrument :
BNA_F
ClientSampleId :
CL-02-081717-B

Manual Integrations
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#1

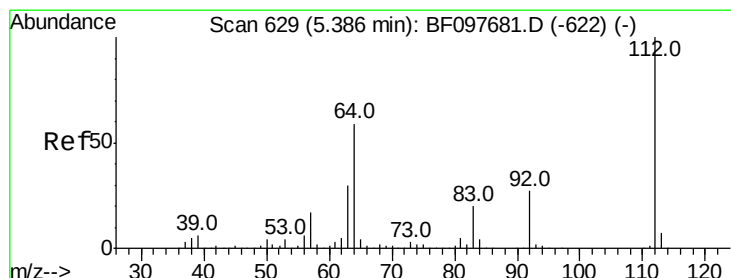
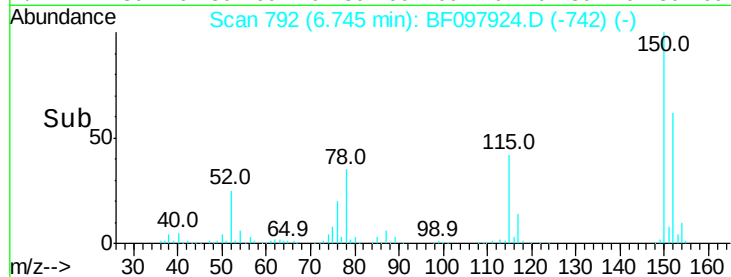
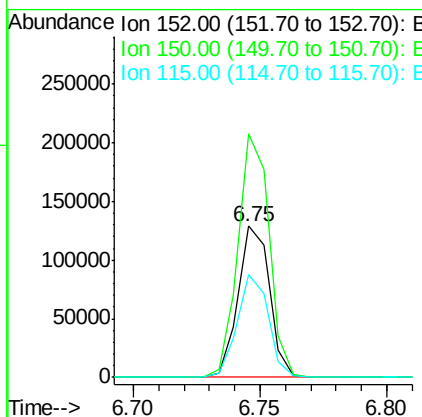
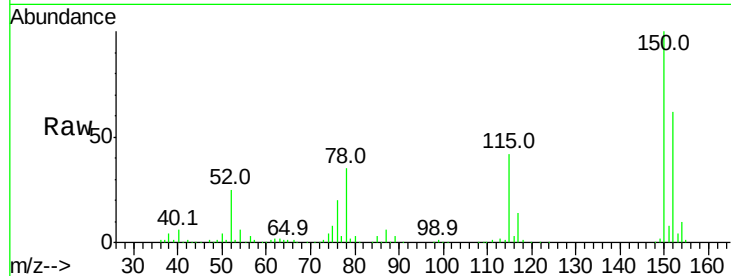
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.2	189.2
115	68.1	52.2	78.2

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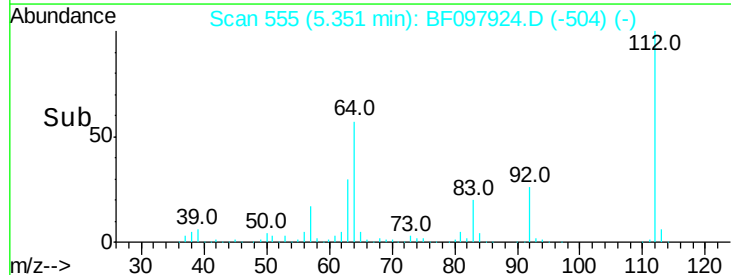
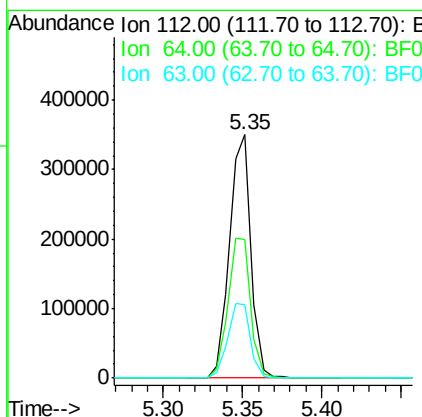
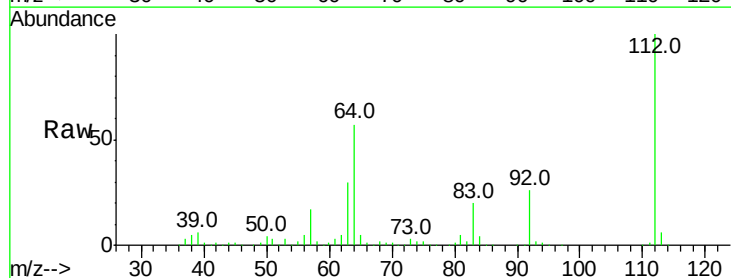
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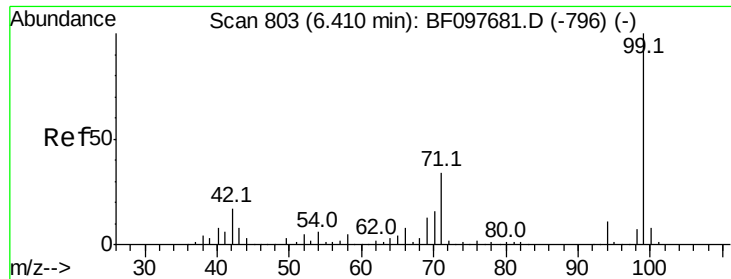


#5

2-Fluorophenol
Concen: 45.243 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.0	69.0
63	30.1	23.4	35.0





#7

Phenol-d6

Concen: 45.280 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Instrument :

BNA_F

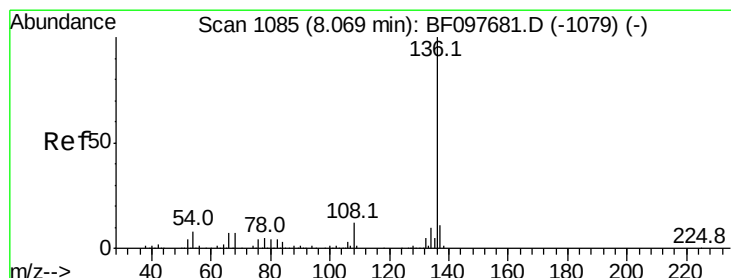
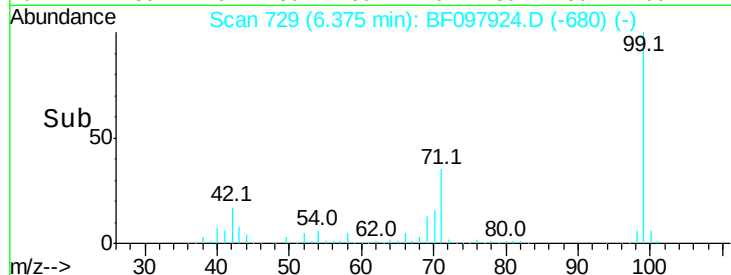
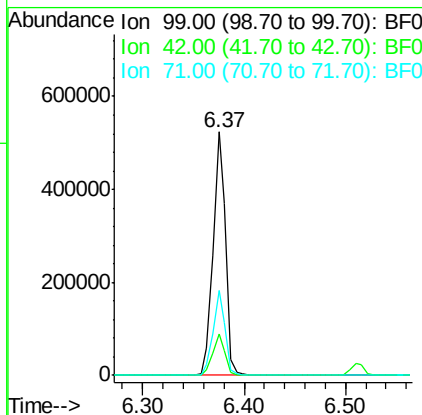
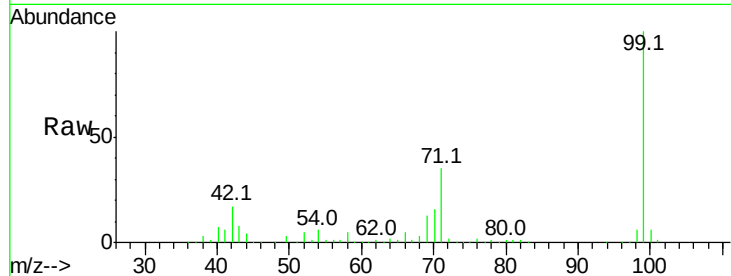
ClientSampleId :

CL-02-081717-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		447284		
42	17.0	13.5	20.3		
71	34.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

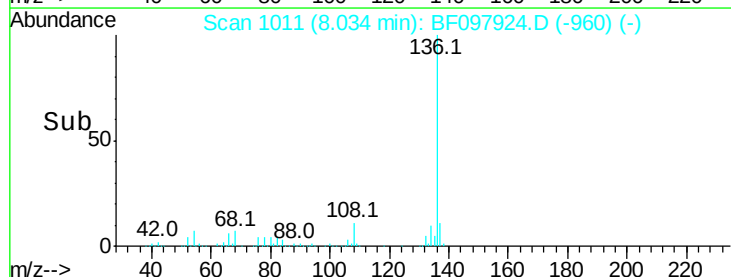
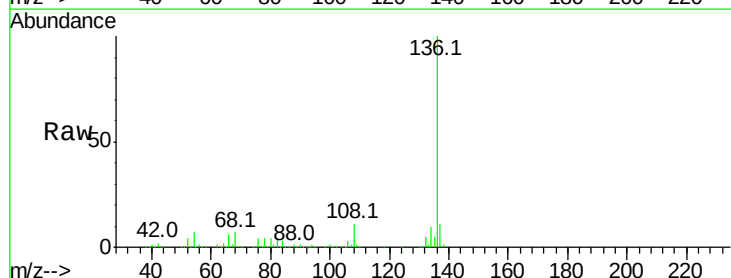
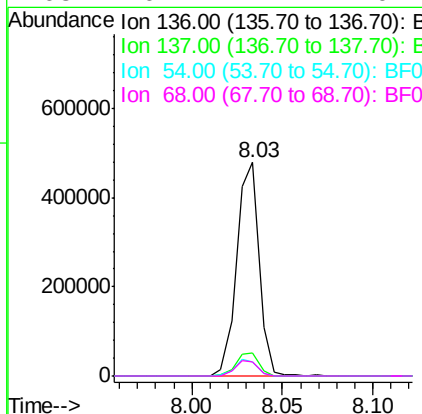
RT: 8.03 min Scan# 1011

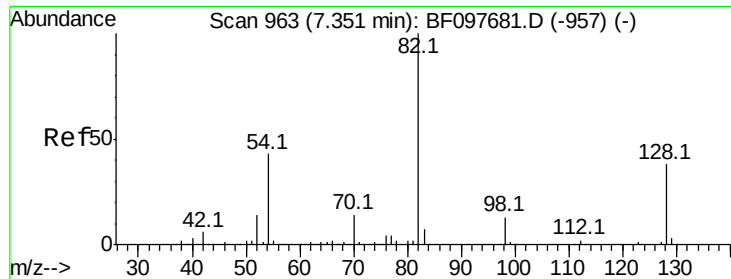
Delta R.T. 0.00 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		412353		
137	10.6	8.5	12.7		
54	6.7	4.9	7.3		
68	6.7	4.1	6.1#		





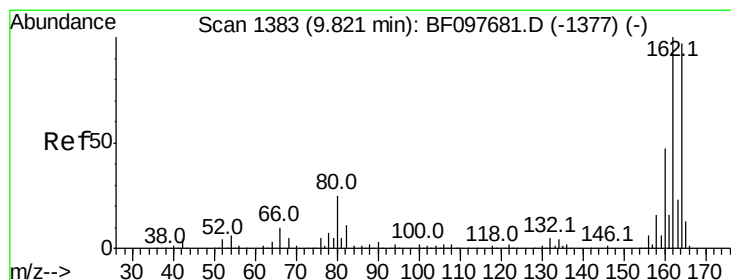
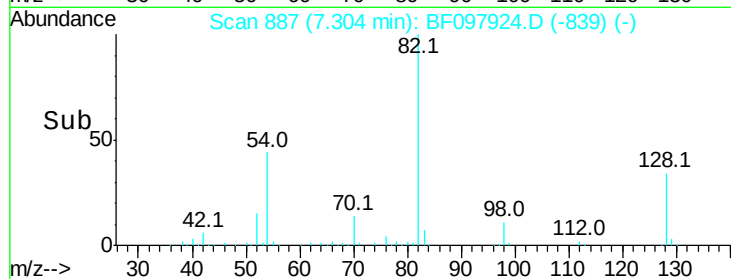
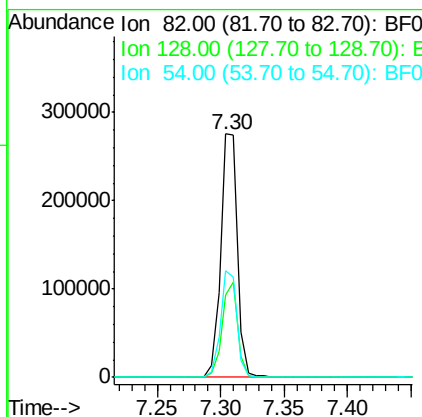
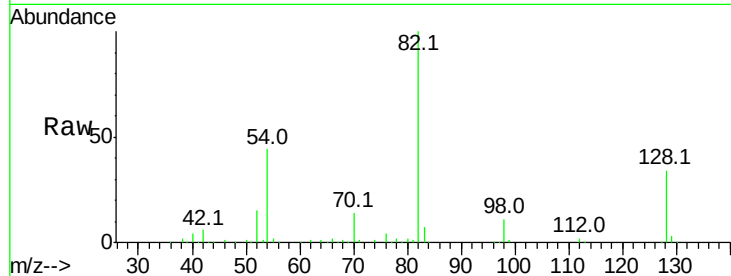
#23
 Nitrobenzene-d5
 Concen: 33.822 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097924.D
 Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.9	34.0	51.0#	
54	43.9	42.2	63.2	

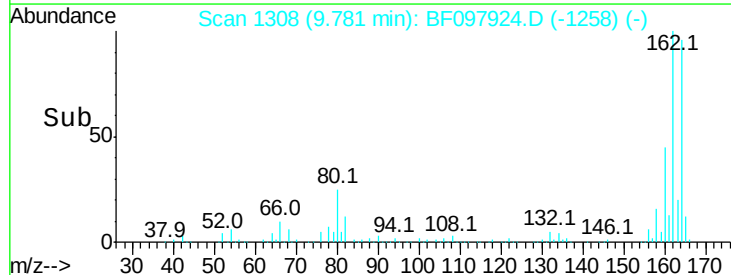
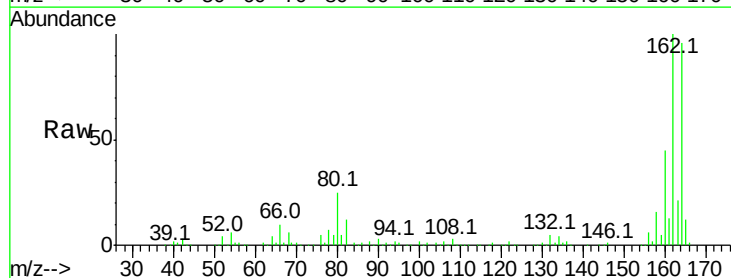
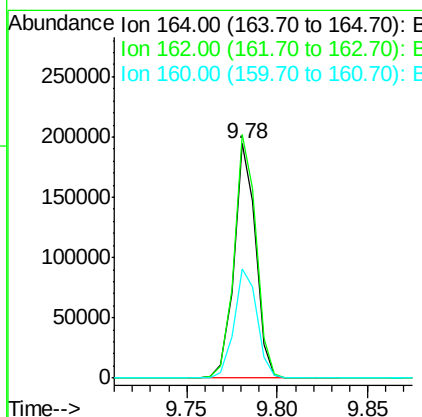
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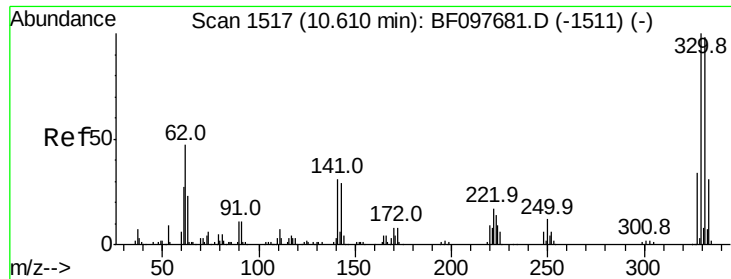
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097924.D
 Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	82.6	123.8	
160	46.8	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 37.460 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Instrument :

BNA_F

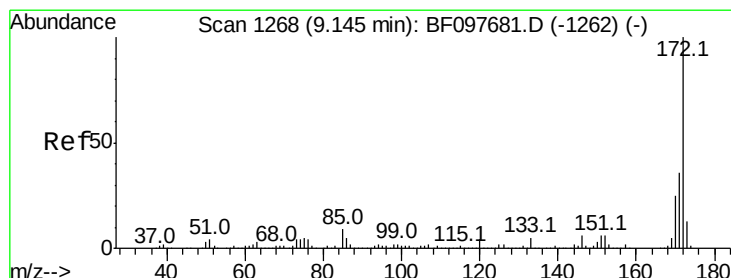
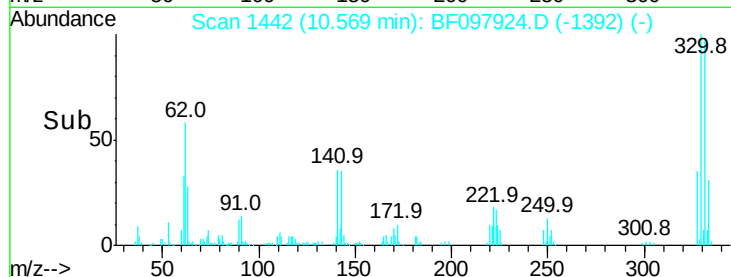
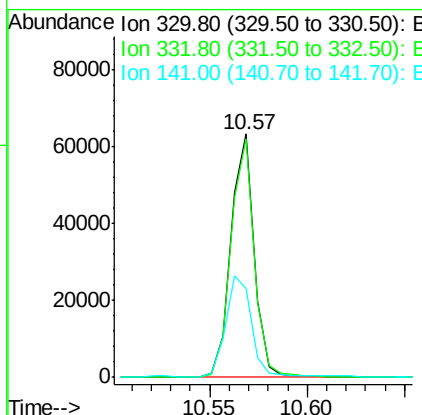
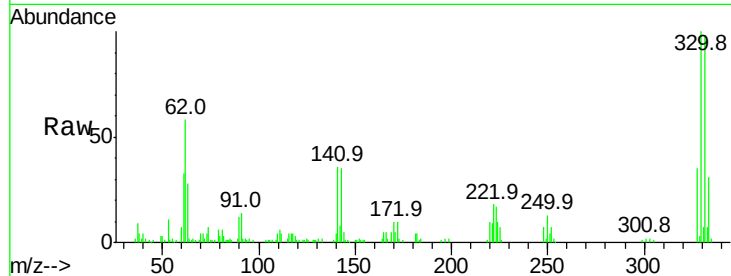
ClientSampleId :

CL-02-081717-B

Tot Ion:	330	Resp:	52330
Ion Ratio	Lower	Upper	
330	100		
332	98.0	76.6	115.0
141	47.4	31.4	47.2#

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#44

2-Fluorobiphenyl

Concen: 35.088 ng

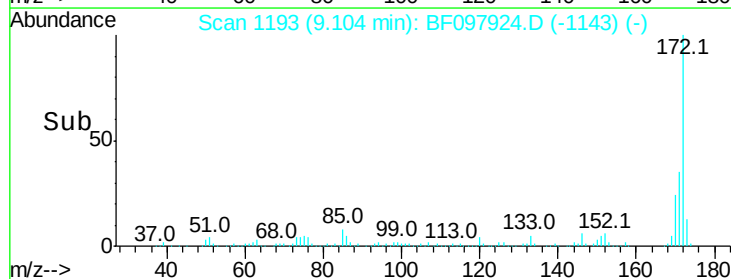
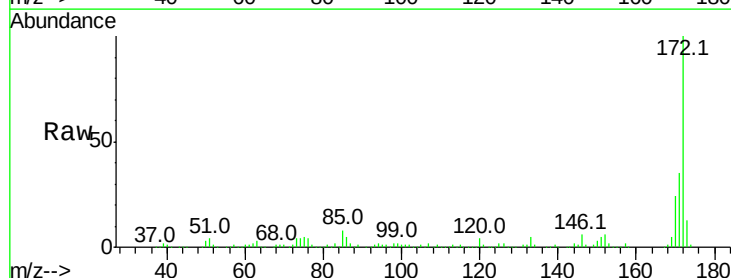
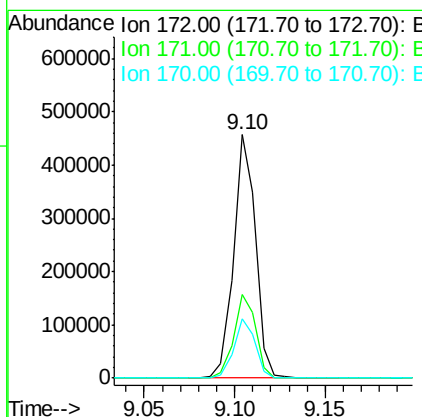
RT: 9.10 min Scan# 1193

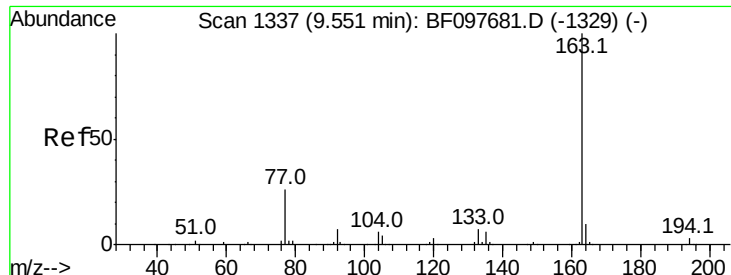
Delta R.T. -0.01 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Tgt Ion:	172	Resp:	384514
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.6	44.4
170	24.1	19.8	29.8





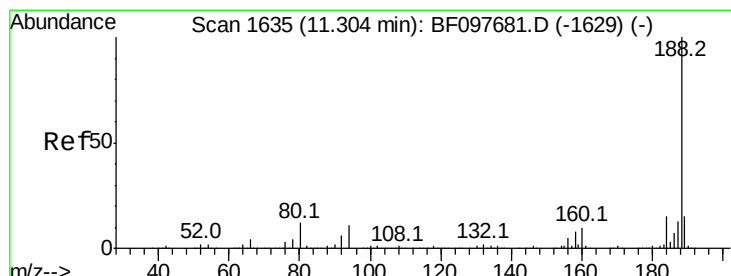
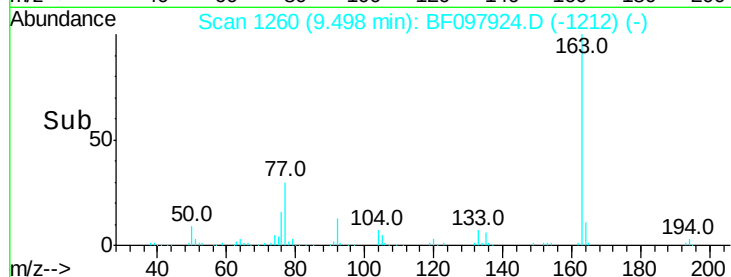
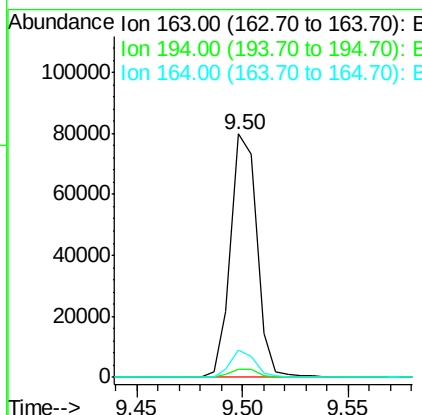
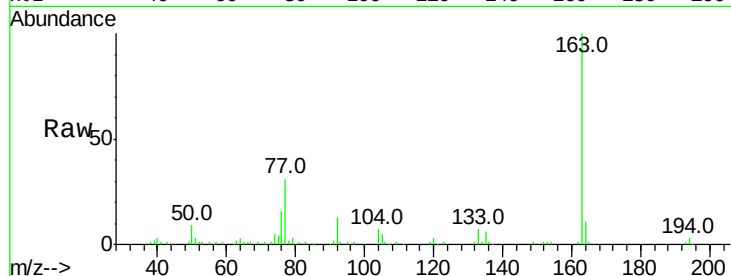
#49
Dimethylphthalate
Concen: 5.825 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	68559		
194	3.2		2.6	4.0
164	11.0		8.4	12.6

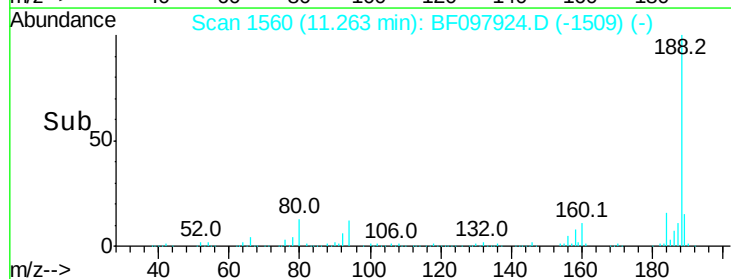
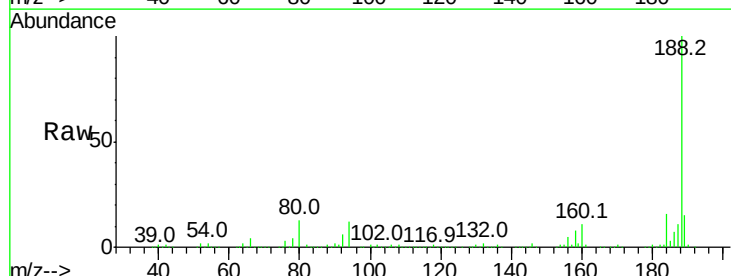
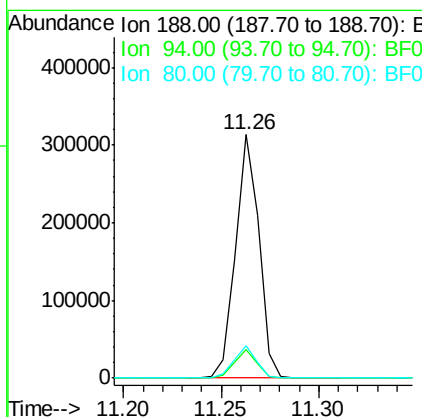
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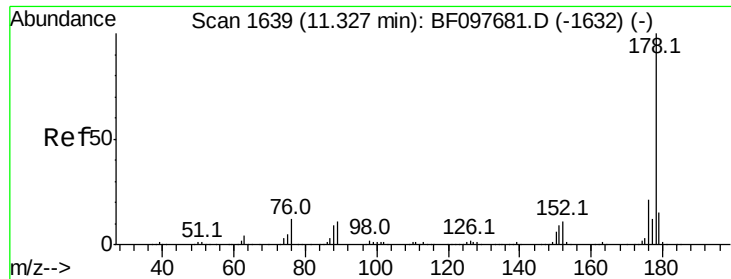
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	259880		
94	11.9		9.4	14.2
80	13.1		10.2	15.2





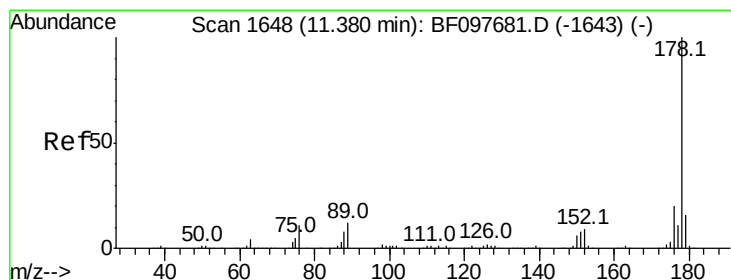
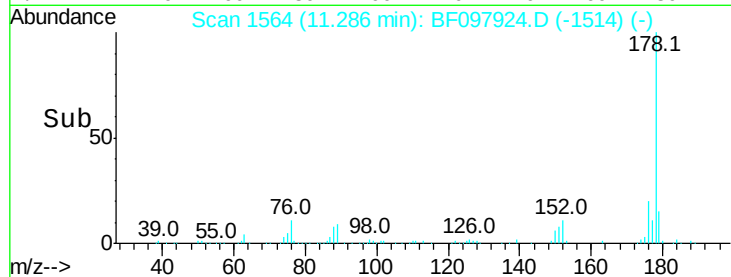
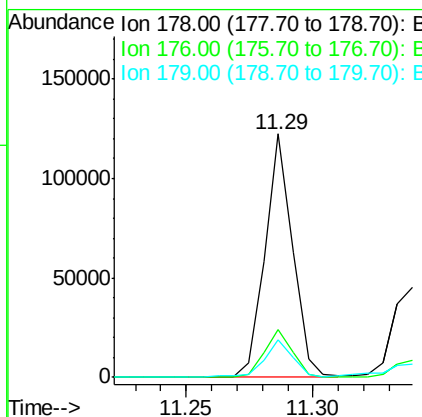
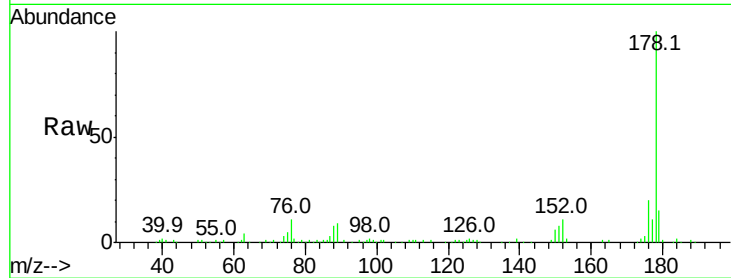
#70
Phenanthrene
Concen: 6.707 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.4	12.6	19.0

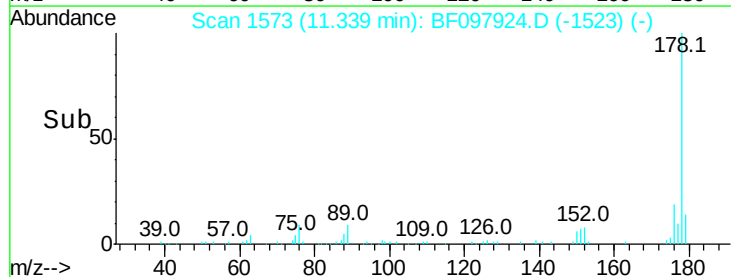
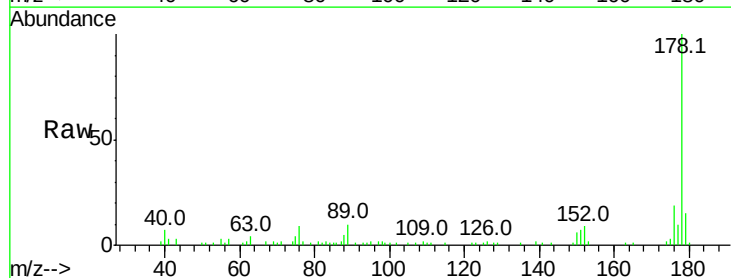
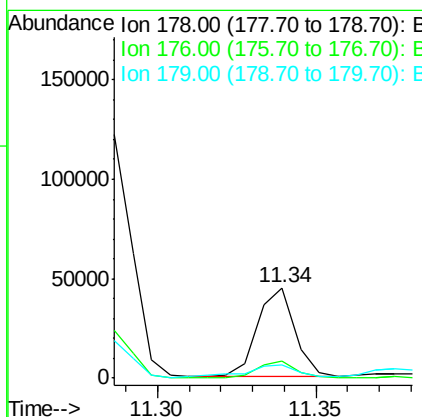
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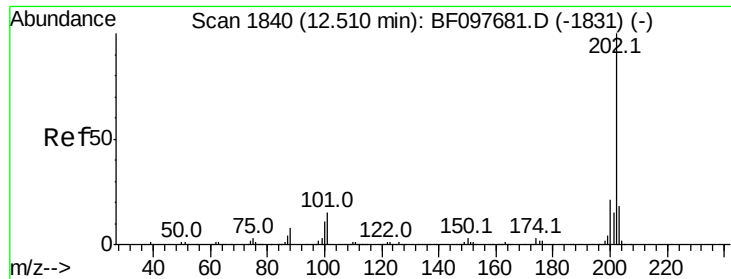
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#71
Anthracene
Concen: 2.632 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.8	12.7	19.1





#74

Fluoranthene

Concen: 12.904 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Instrument :

BNA_F

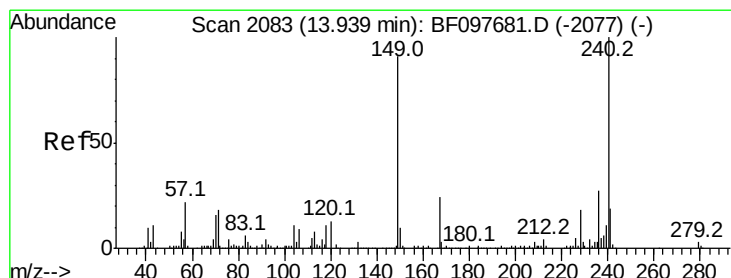
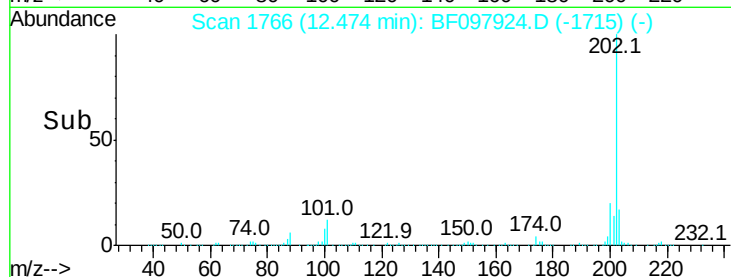
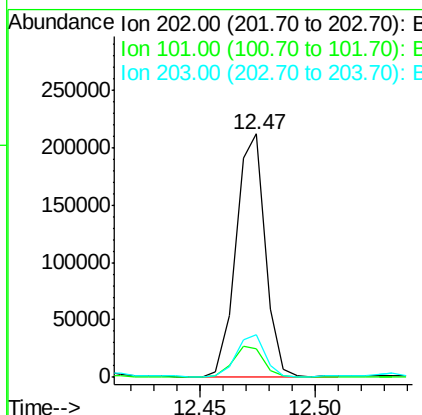
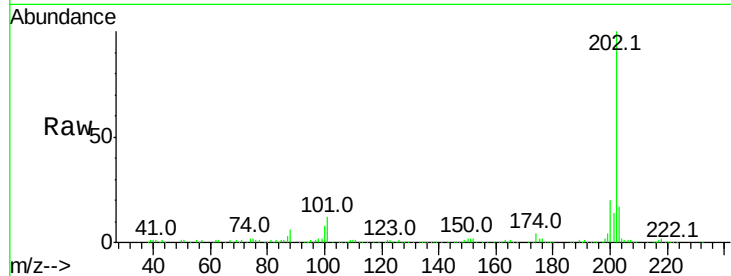
ClientSampleId :

CL-02-081717-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	186517		
101	11.8	0.0	33.2	
203	17.4	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

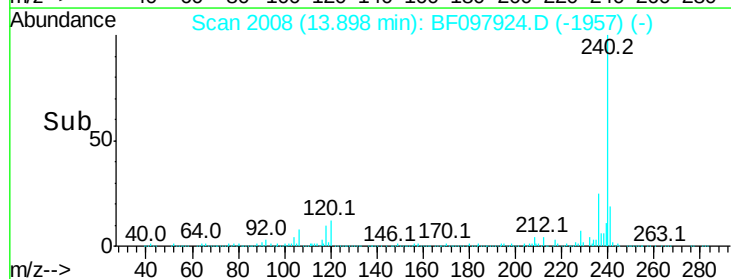
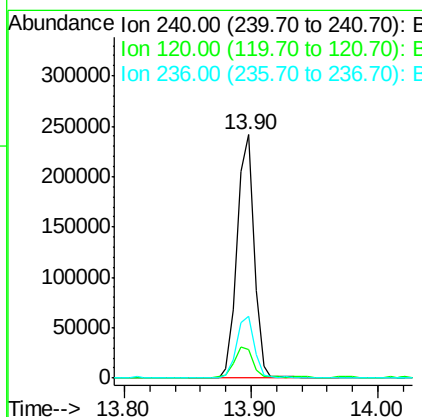
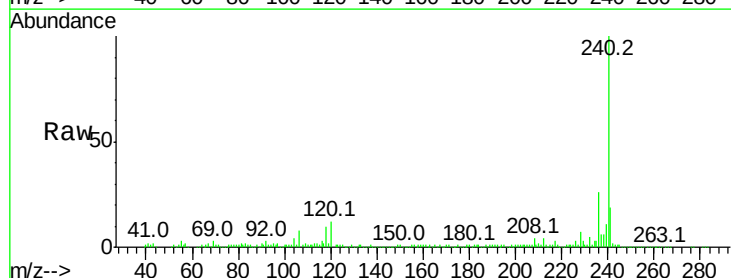
RT: 13.90 min Scan# 2008

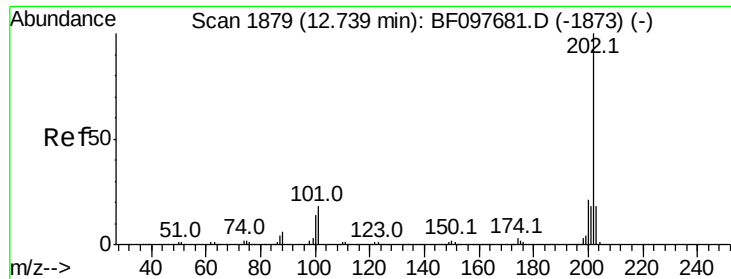
Delta R.T. 0.00 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	221960		
120	11.8	5.8	8.8#	
236	25.6	20.5	30.7	





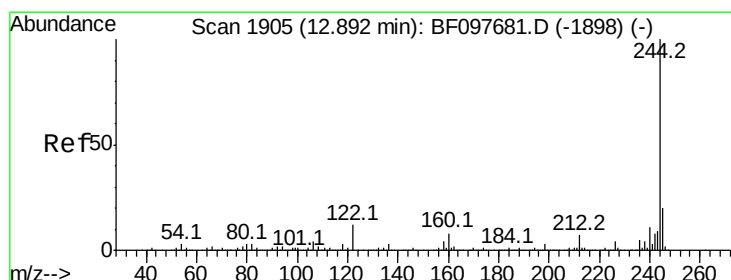
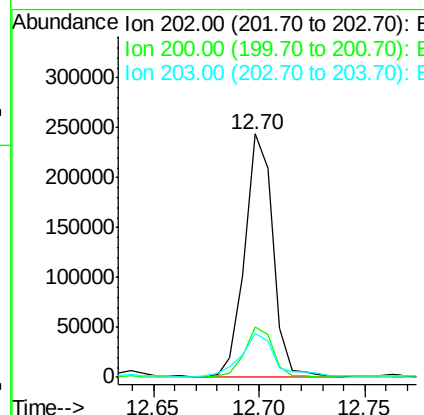
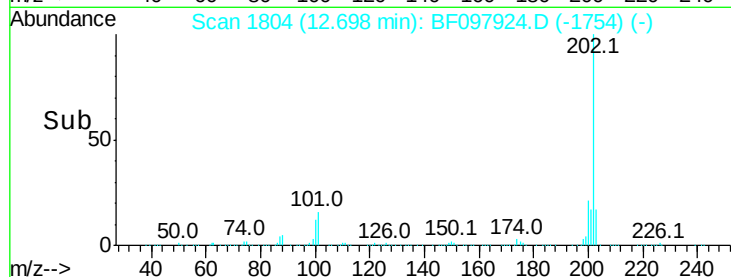
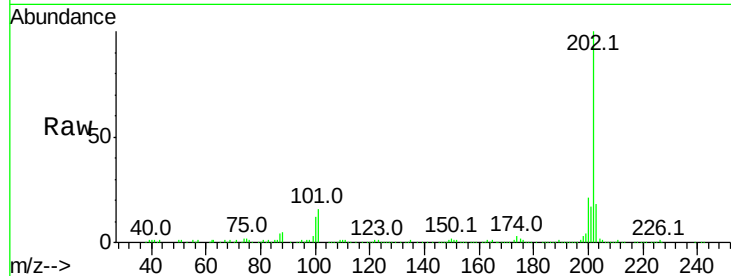
#77
Pvrene
Concen: 12.374 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion:	202	Resp:	224633
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.6	26.4
203	17.9	14.4	21.6

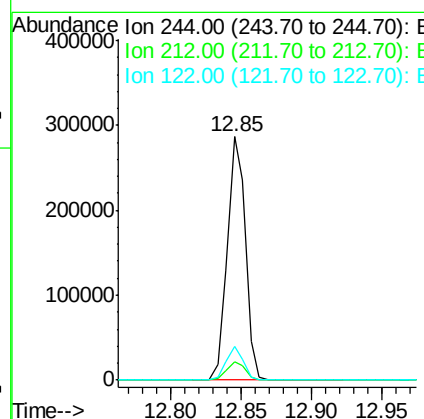
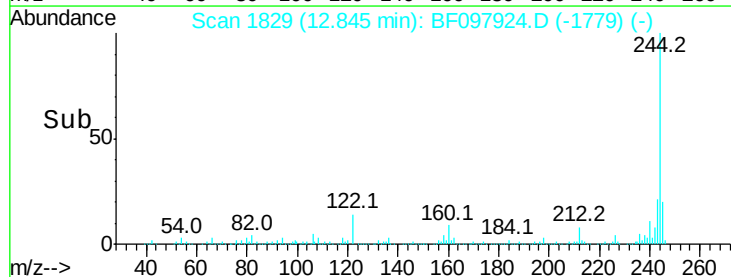
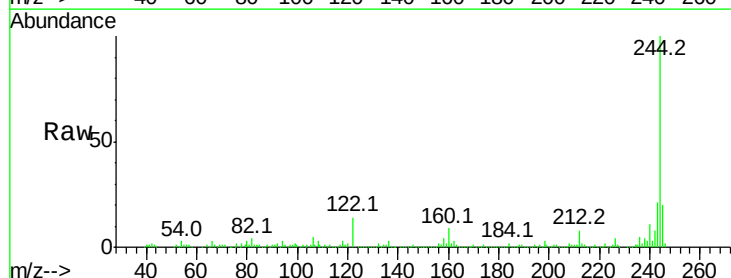
Manual Integrations
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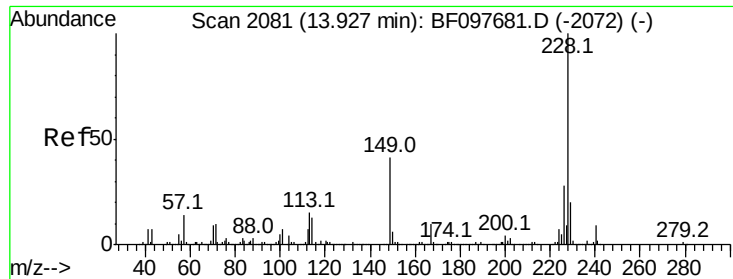
Sohil
8/22/2017 5:44:47 PM



#78
Terphenyl-d14
Concen: 23.949 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion:	244	Resp:	254908
Ion Ratio		Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.6	10.3	15.5





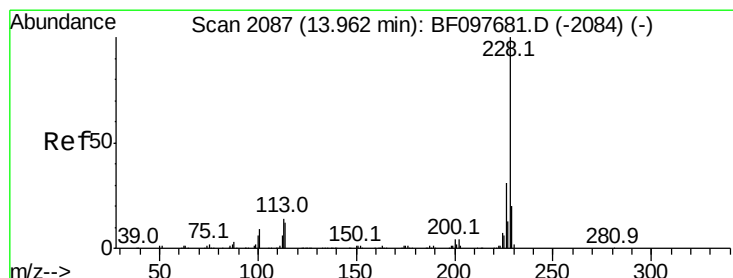
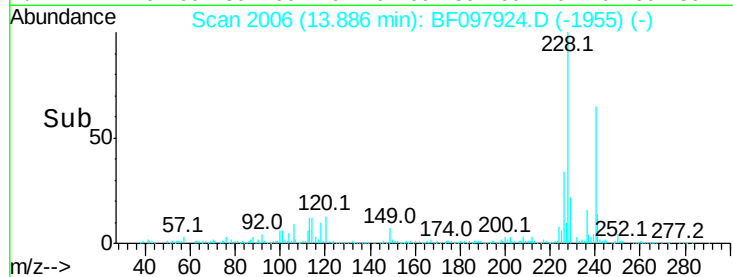
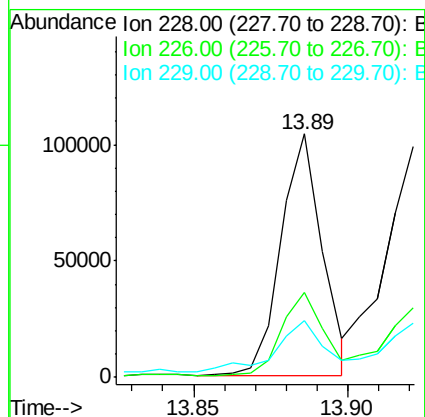
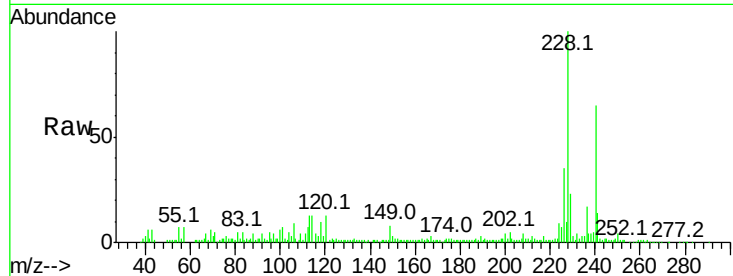
#80
Benzo(a)anthracene
Concen: 7.278 ng m
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.6	33.8#
229	23.1	16.3	24.5

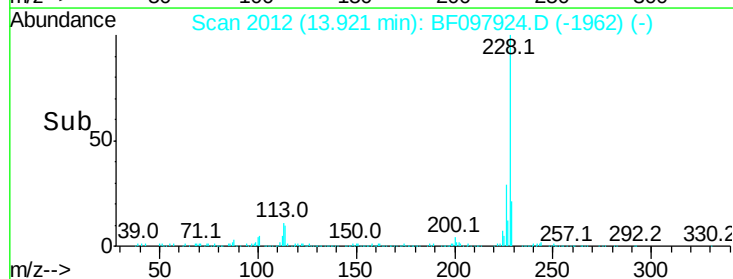
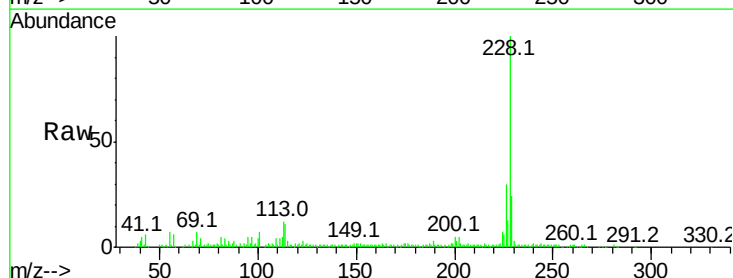
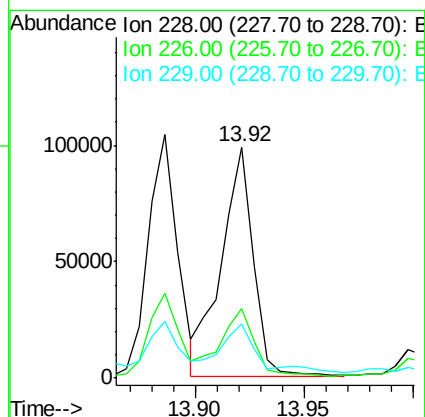
Manual Integrations
APPROVED

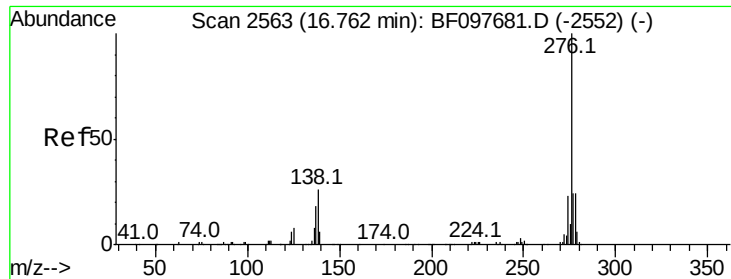
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#82
Chrysene
Concen: 7.720 ng m
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	23.7	15.8	23.6#





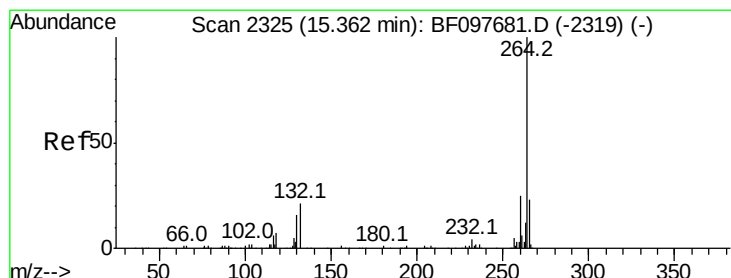
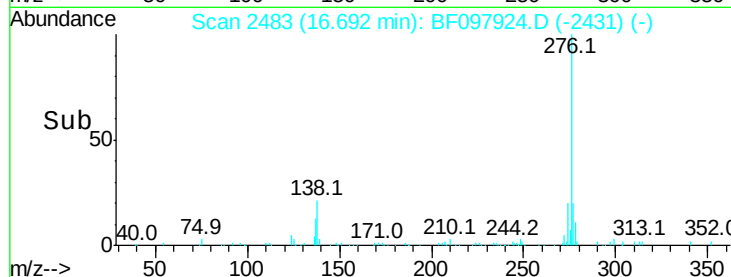
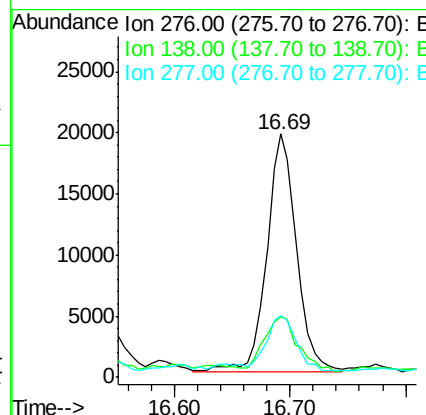
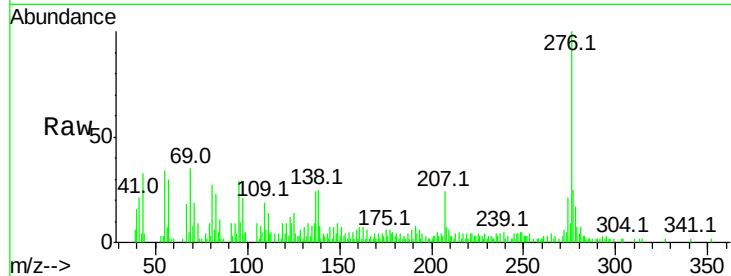
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.600 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	27.8	41.6#
277	23.0	20.2	30.4

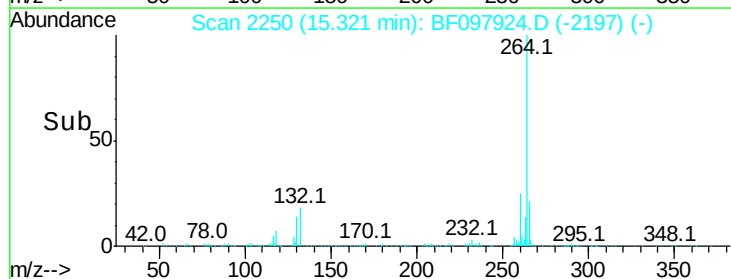
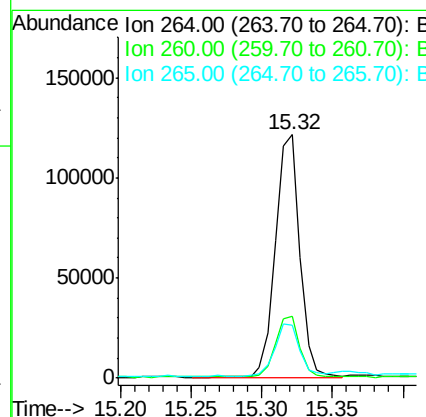
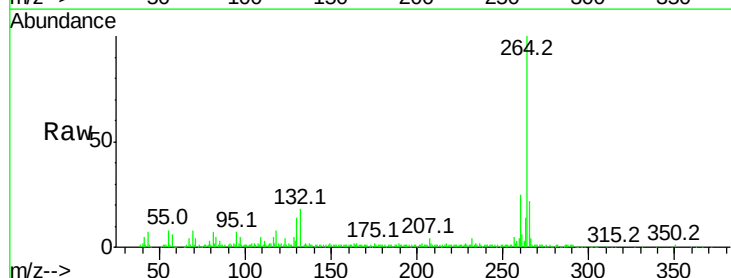
Manual Integrations
APPROVED

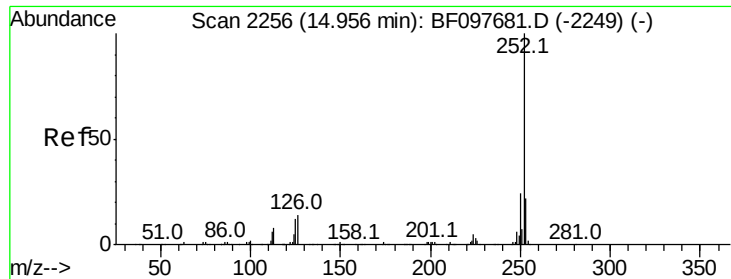
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.640 ng m

RT: 14.91 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

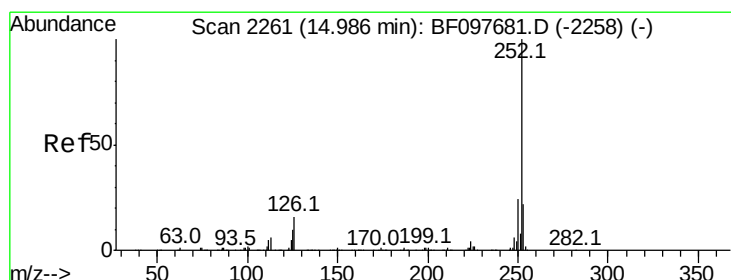
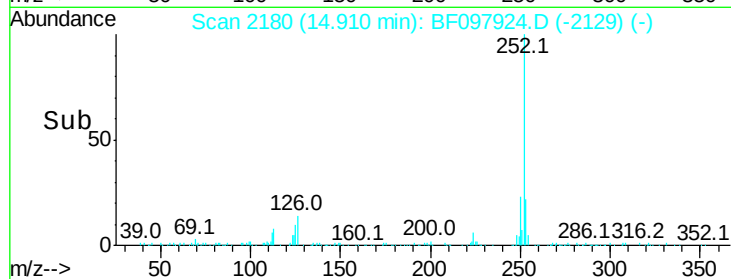
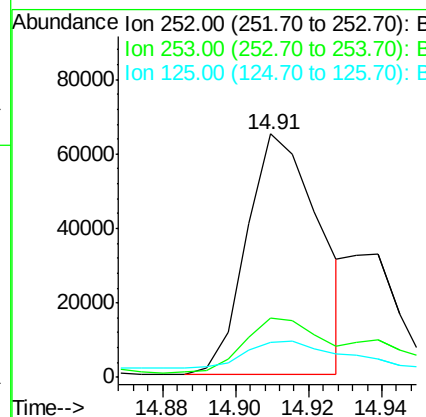
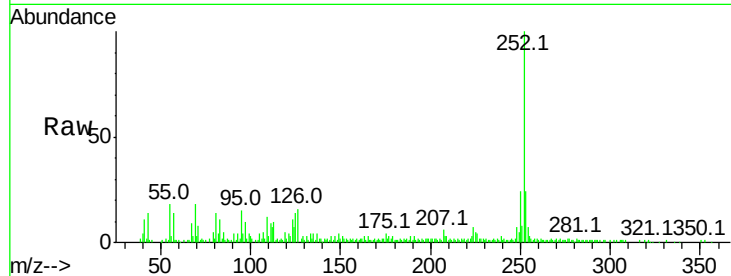
Instrument :
BNA_F

ClientSampleId :
CL-02-081717-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	14.4	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.741 ng m

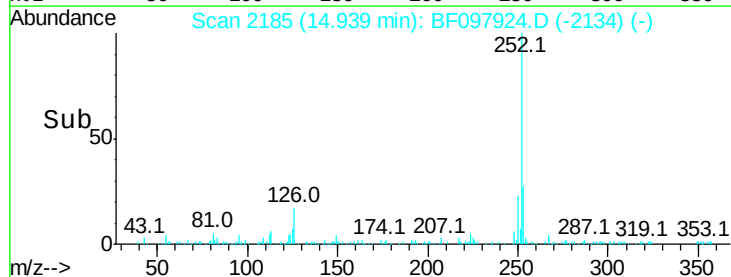
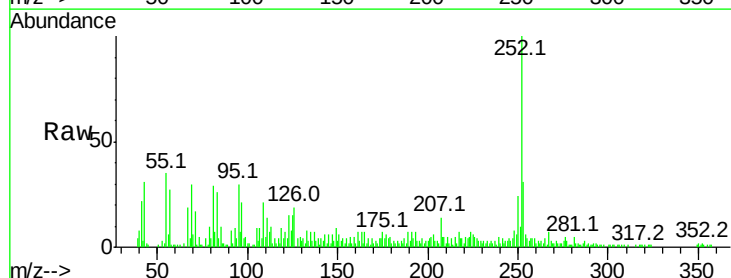
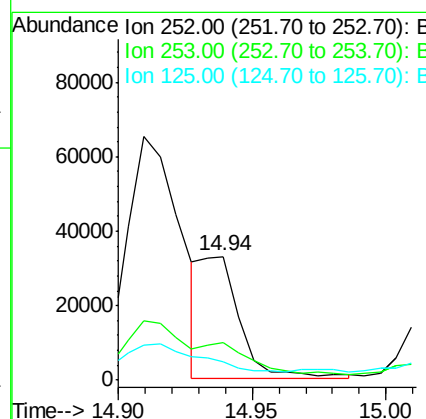
RT: 14.94 min Scan# 2185

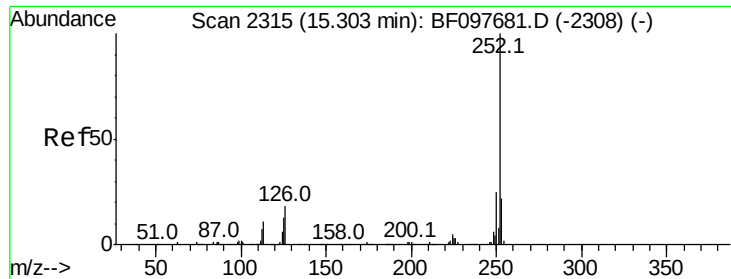
Delta R.T. 0.00 min

Lab File: BF097924.D

Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	18.4	27.6#
125	14.5	13.1	19.7





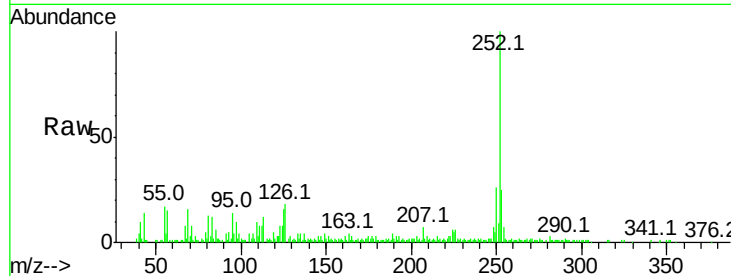
#89
Benzo(a)pyrene
Concen: 8.462 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	15.6	11.0	16.4

Manual Integrations
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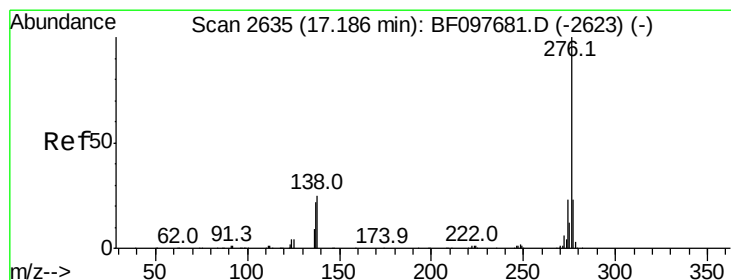
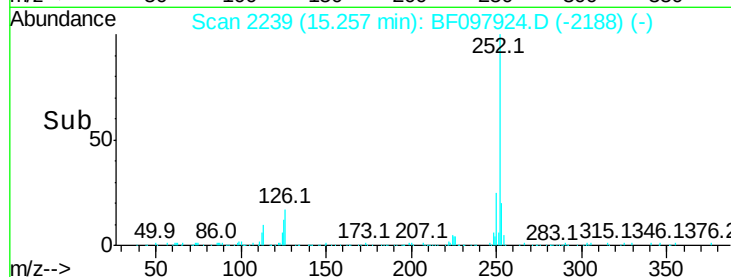
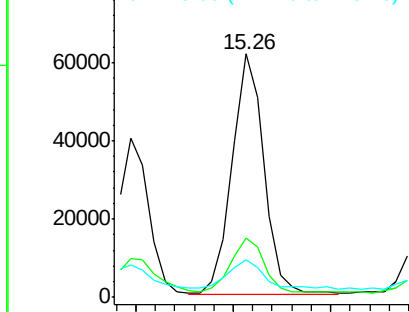


Abundance

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



#91
Benzo(g,h,i)perylene
Concen: 4.887 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.00 min
Lab File: BF097924.D
Acq: 22 Aug 2017 00:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	29.0	25.4	38.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

