

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099302.D
 Acq On : 10 Oct 2017 15:38
 Operator : SJ/JU
 Sample : I5708-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100517

Manual Integrations
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Sohil
 10/11/2017 7:23:42 PM

Quant Time: Oct 10 16:44:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	107547	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	413379	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	162034	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	236387	20.00	ng	0.00
75) Chrysene-d12	14.03	240	197079	20.00	ng	0.00
86) Perylene-d12	15.50	264	161435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	143370	21.22	ng	0.00
7) Phenol-d6	6.49	99	168638	20.23	ng	-0.01
23) Nitrobenzene-d5	7.42	82	90296	14.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	21181	15.98	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	187282	19.30	ng	-0.01
78) Terphenyl-d14	12.96	244	123771	14.28	ng	-0.01
Target Compounds						
57) Fluorene	10.45	166	35575	3.279	ng	98
70) Phenanthrene	11.41	178	282478	22.325	ng	98
71) Anthracene	11.46	178	70611	5.454	ng	96
74) Fluoranthene	12.60	202	351383	27.425	ng	99
77) Pyrene	12.83	202	329420	21.920	ng	99
80) Benzo(a)anthracene	14.02	228	157258	13.178	ng	99
82) Chrysene	14.05	228	141262	12.434	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	52439	5.770	ng	98
87) Benzo(b)fluoranthene	15.07	252	163451m	16.467	ng	
88) Benzo(k)fluoranthene	15.10	252	45164m	4.607	ng	
89) Benzo(a)pyrene	15.44	252	109897	12.062	ng	# 95
91) Benzo(a,h,i)perylene	17.44	276	55746	7.734	ng	94

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

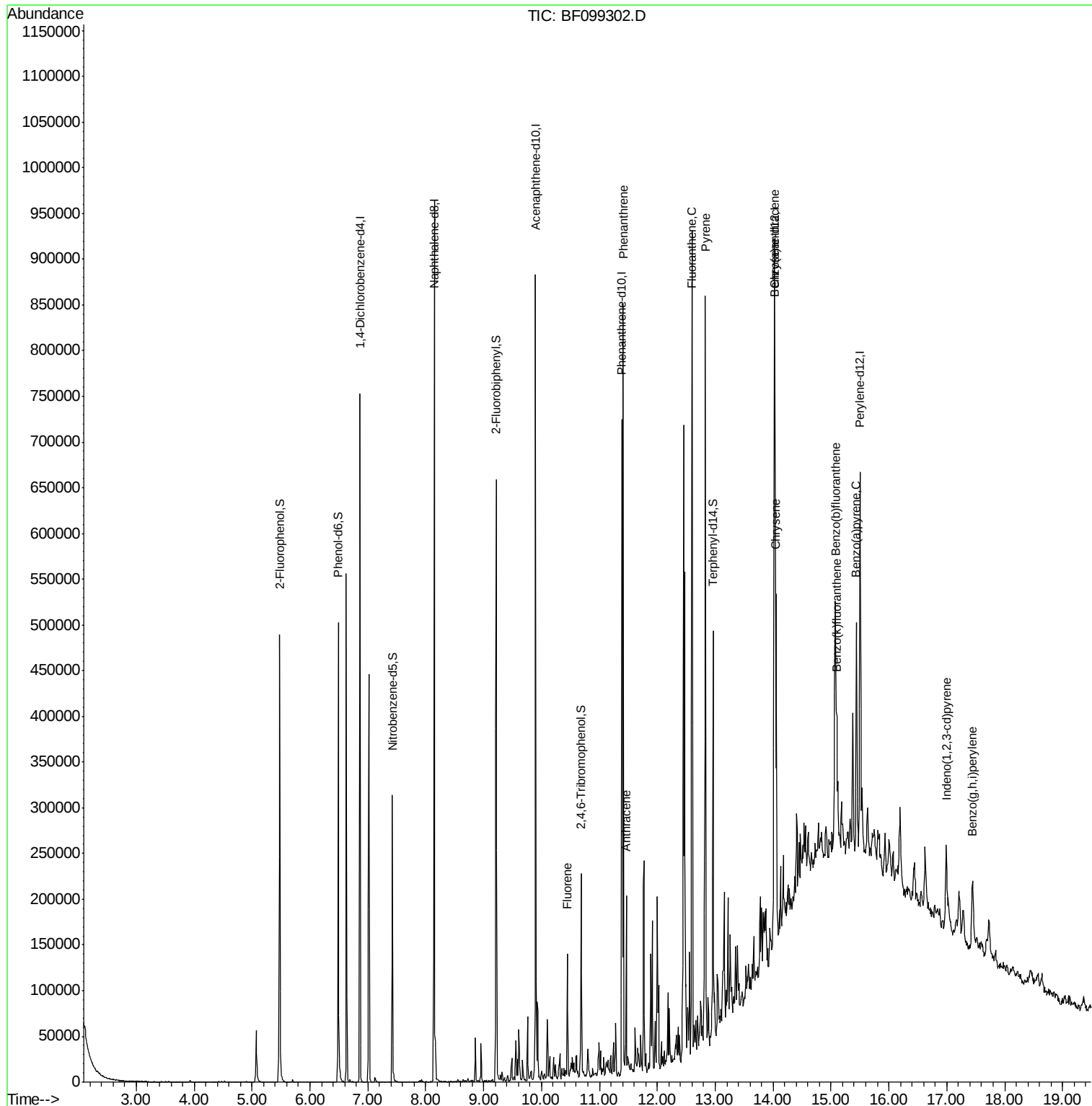
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
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Operator : SJ/JU
Sample : I5708-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

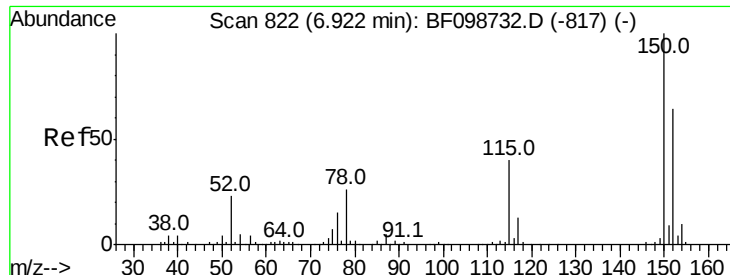
Instrument :
BNA_F
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NB-08-100517

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

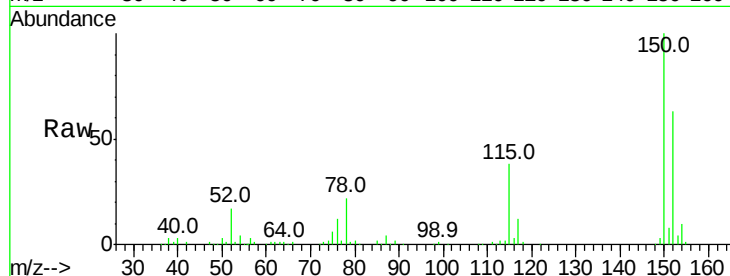
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

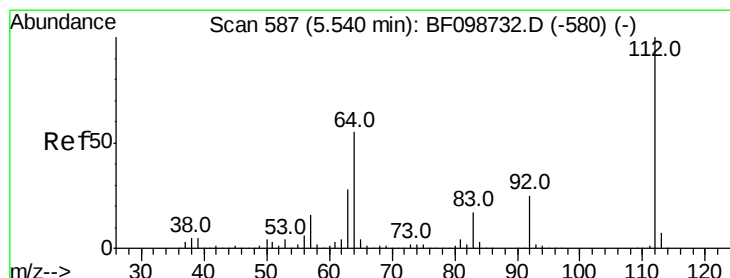
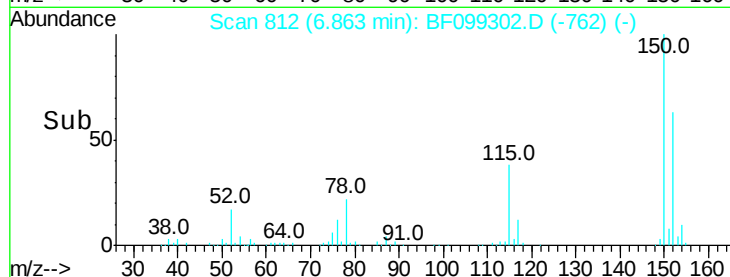
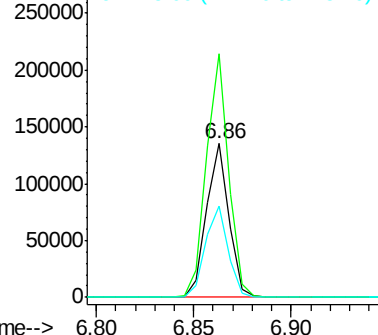
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	59.6	50.1	75.1

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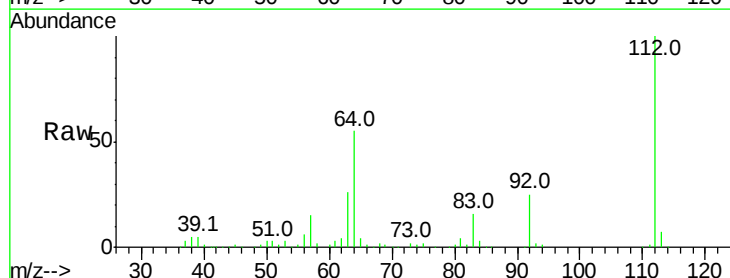
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



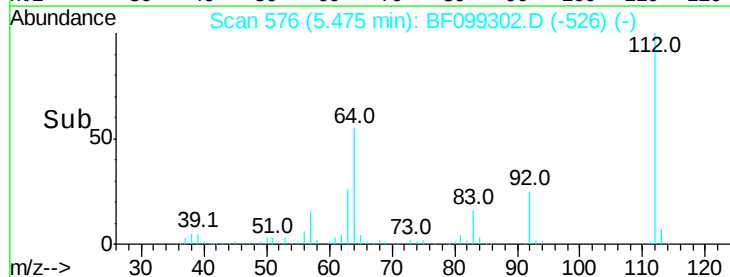
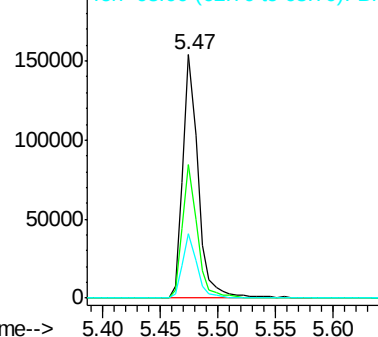
#5

2-Fluorophenol
Concen: 21.221 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	26.5	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: 20.235 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

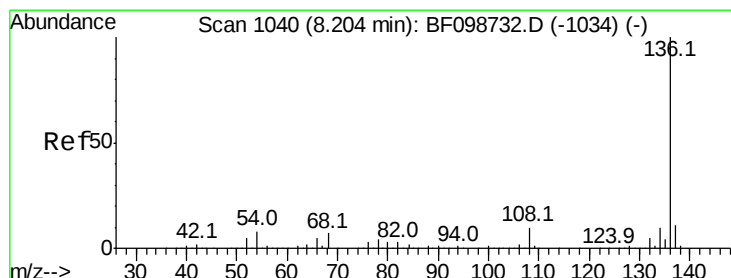
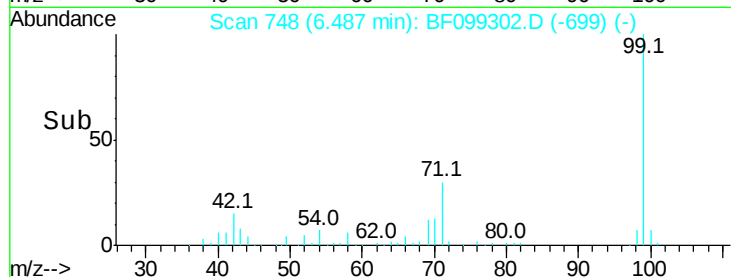
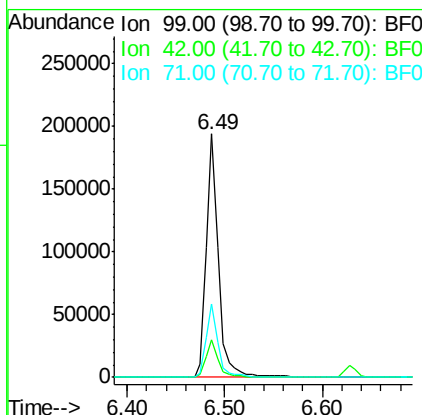
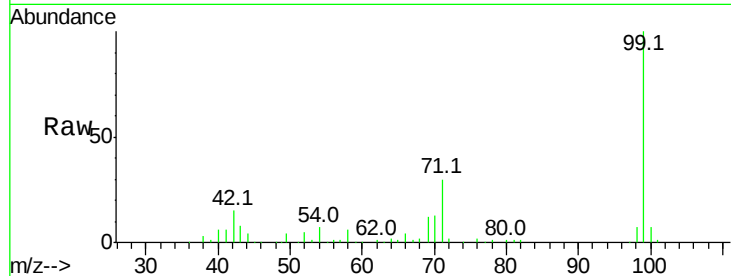
ClientSampled :

NB-08-100517

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		168638		
42	15.4	14.5	21.7		
71	30.0	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

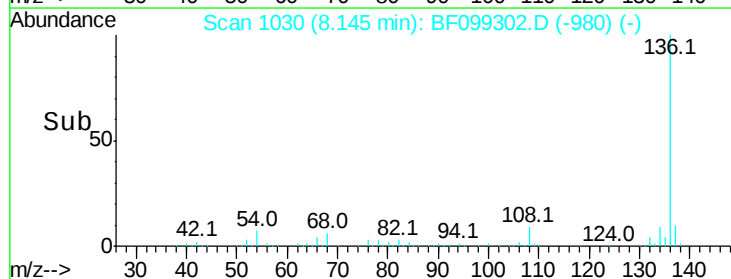
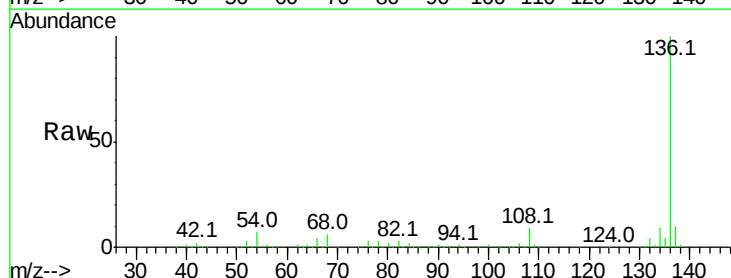
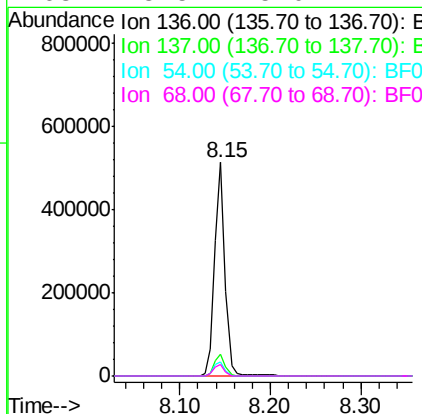
RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		413379		
137	10.4	8.9	13.3		
54	6.8	6.6	9.8		
68	5.5	5.0	7.4		





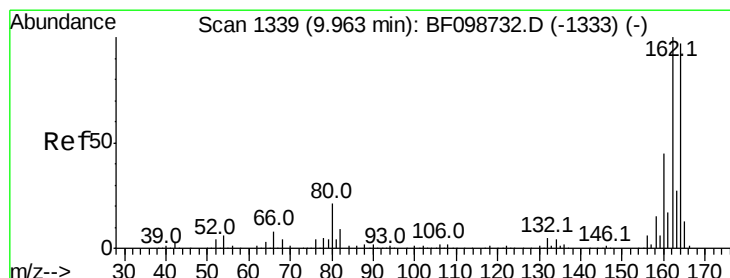
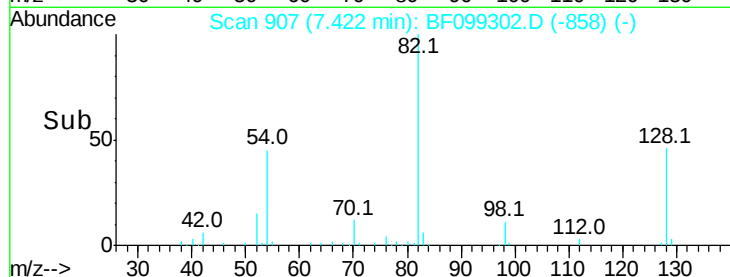
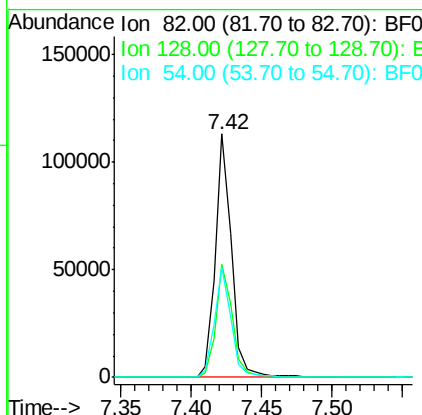
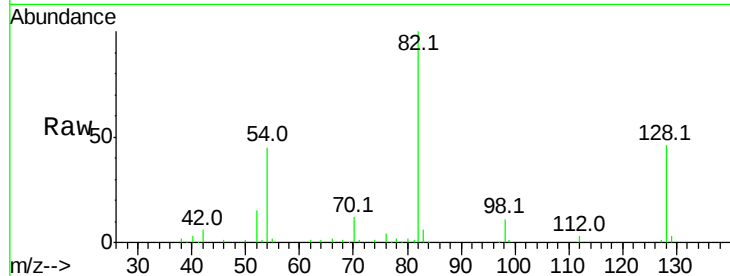
#23
Nitrobenzene-d5
Concen: 14.008 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampled :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	45.2	41.4	62.2

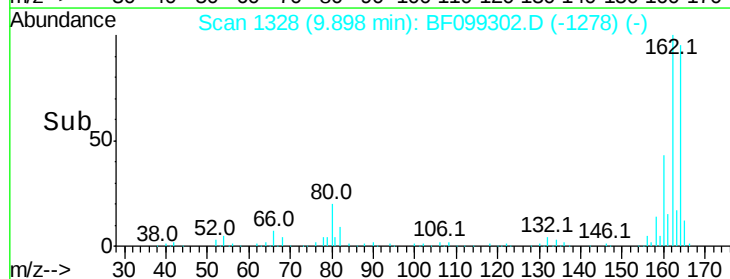
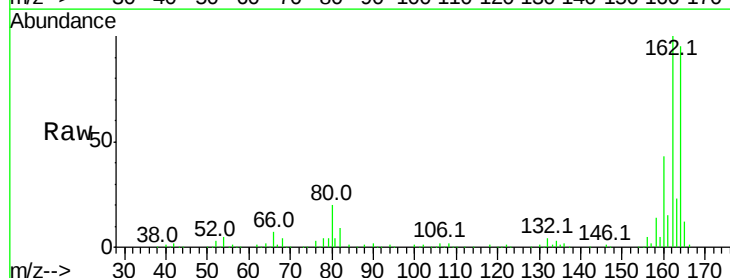
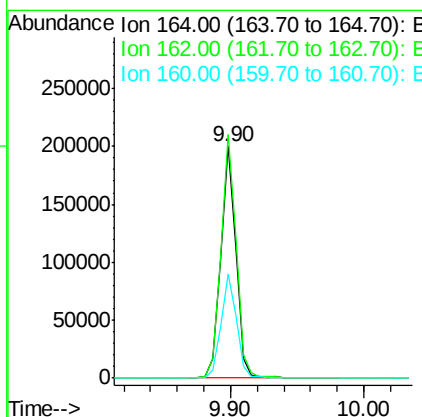
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	45.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 15.975 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

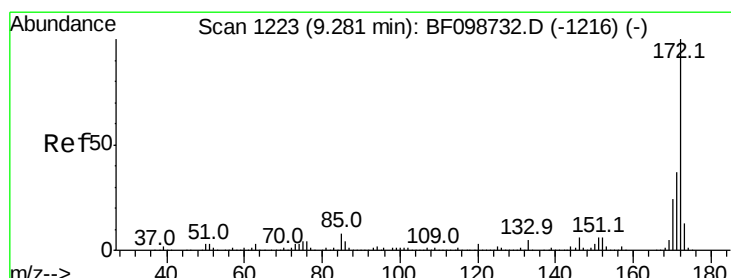
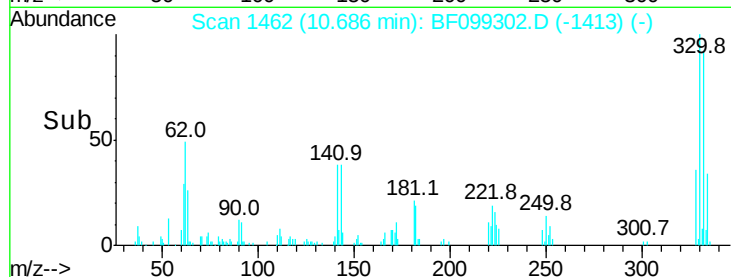
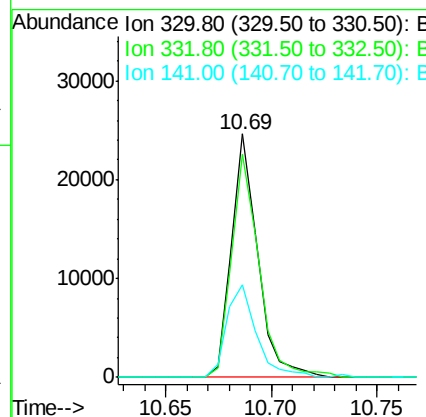
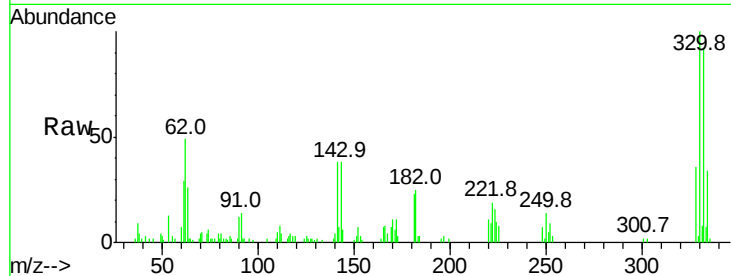
ClientSampleId :

NB-08-100517

Tot Ion:	330	Resp:	21181
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.0	115.6
141	43.1	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 19.295 ng

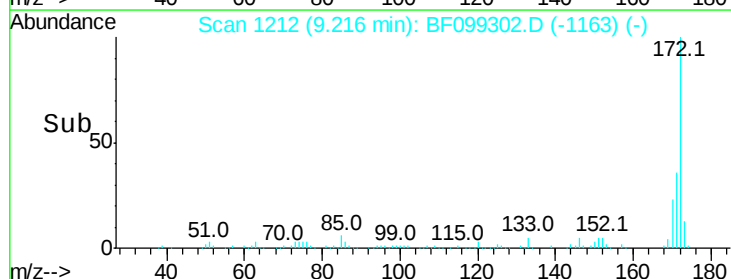
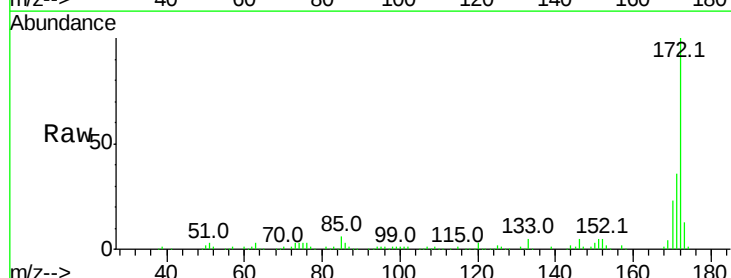
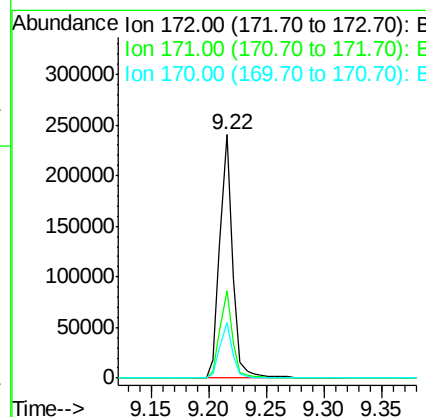
RT: 9.22 min Scan# 1212

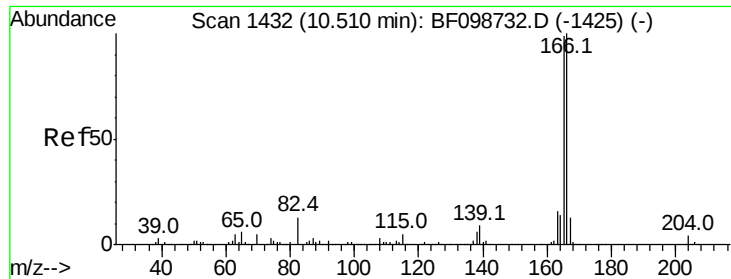
Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Tgt Ion:	172	Resp:	187282
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	22.5	19.6	29.4





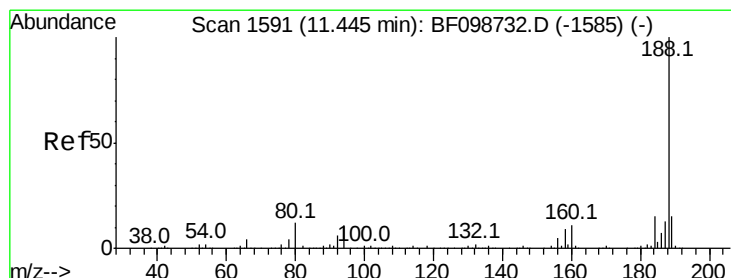
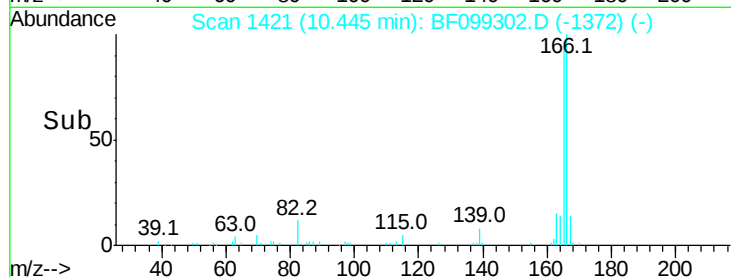
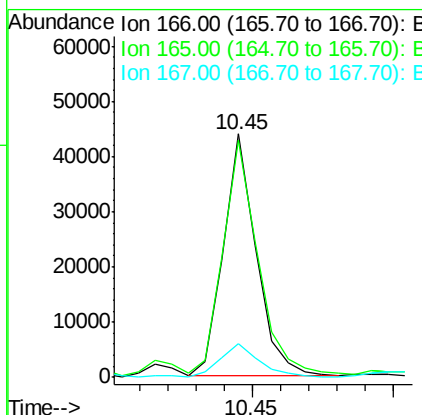
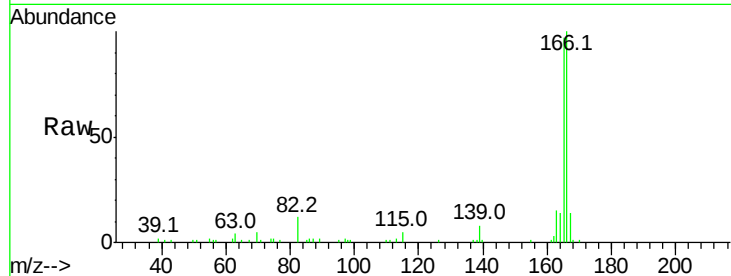
#57
Fluorene
 Concen: 3.279 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-100517

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	13.6	10.6	16.0

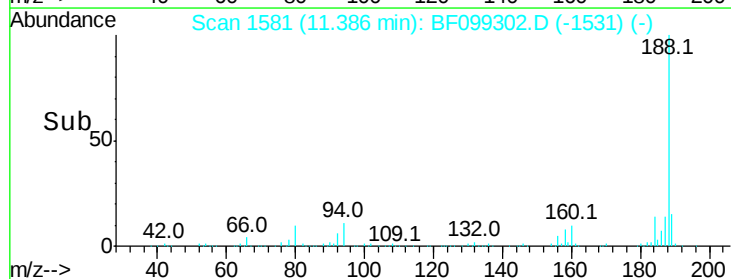
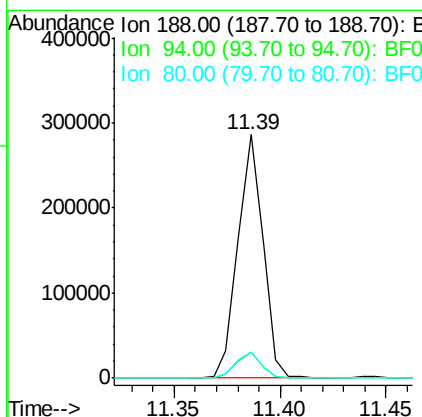
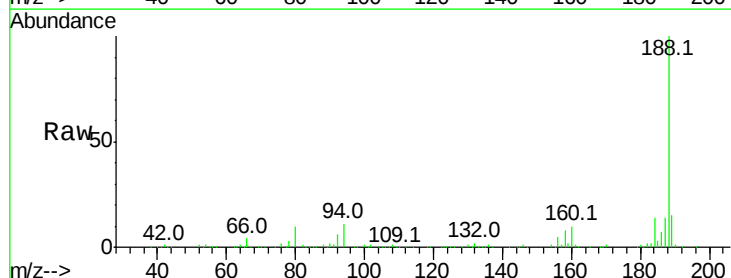
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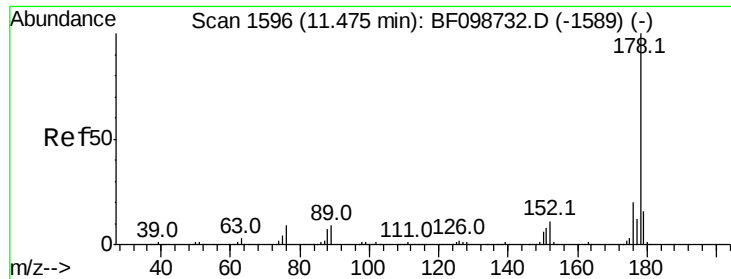
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099302.D
 Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.5	9.2	13.8





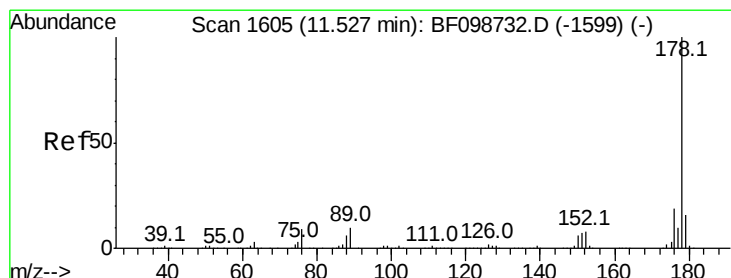
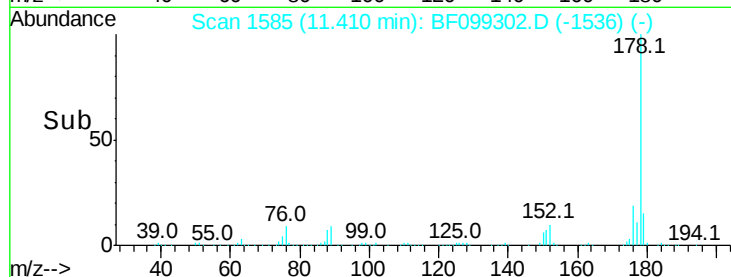
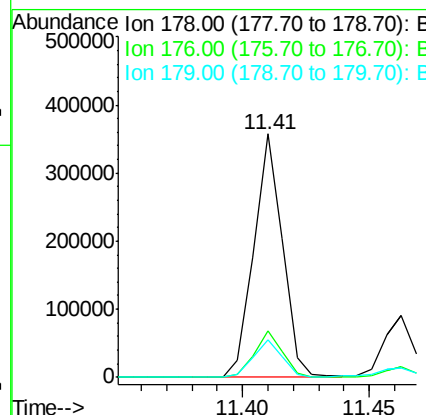
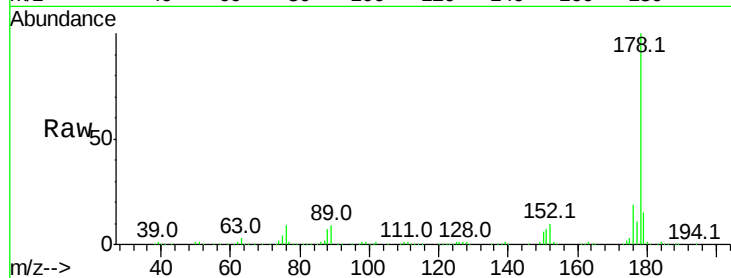
#70
Phenanthrene
Concen: 22.325 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

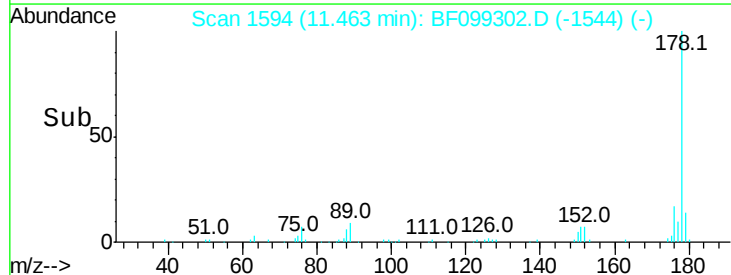
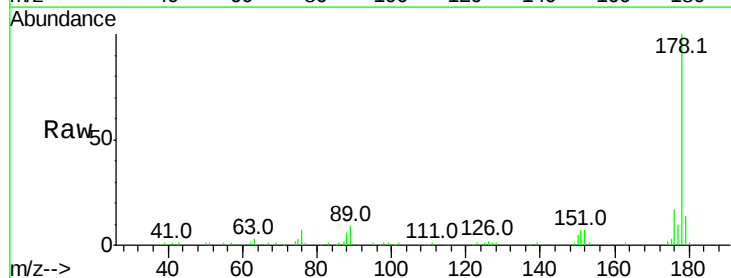
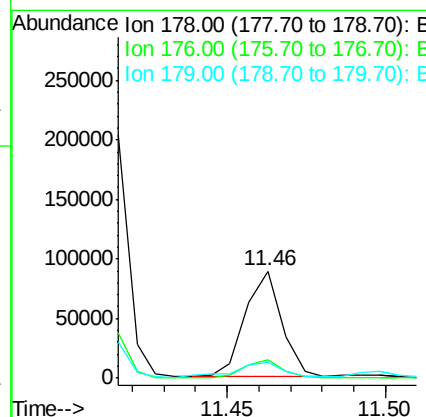
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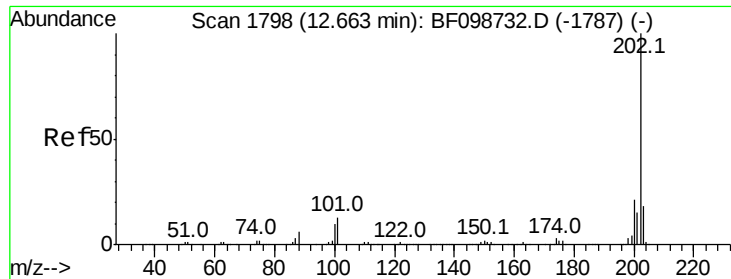
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#71
Anthracene
Concen: 5.454 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 27.425 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

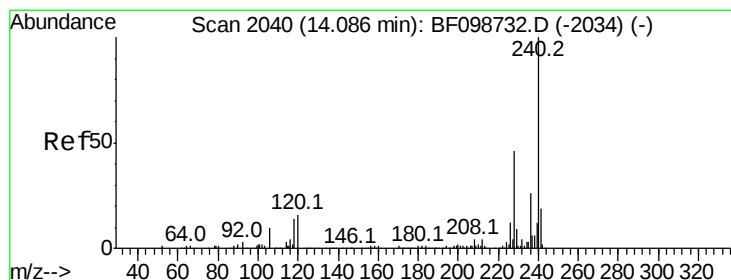
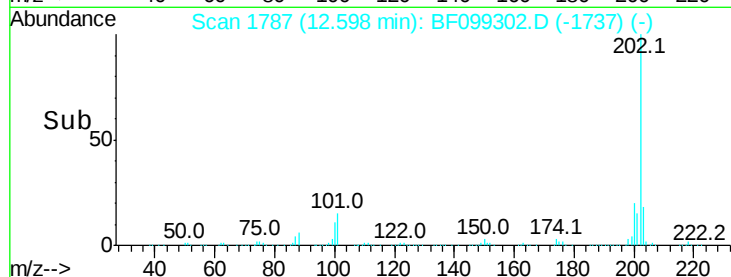
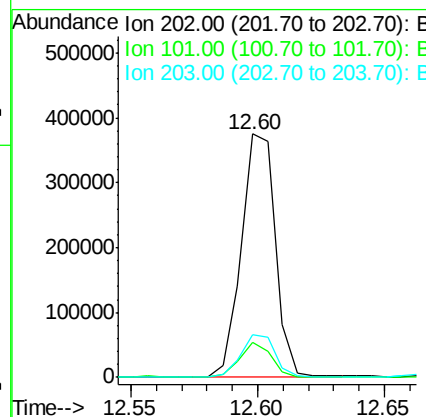
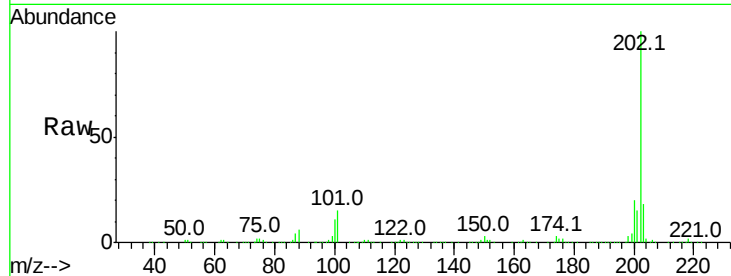
ClientSampleId :

NB-08-100517

Tot Ion	Ratio	Resp	Lower	Upper
202	100	351383		
101	14.5	0.0	34.1	
203	17.8	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

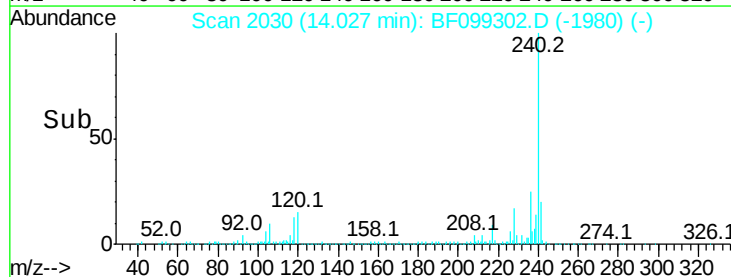
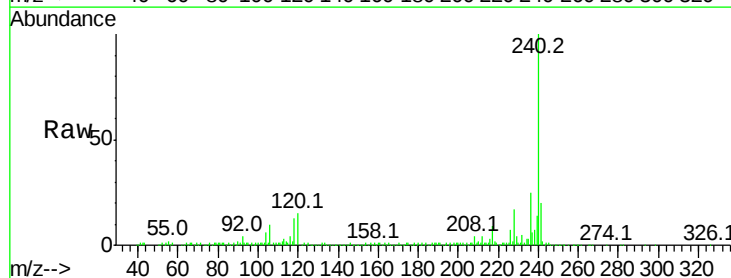
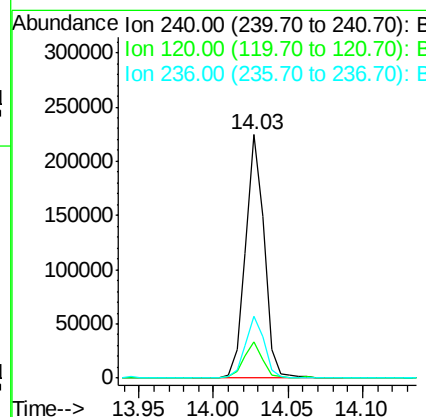
RT: 14.03 min Scan# 2030

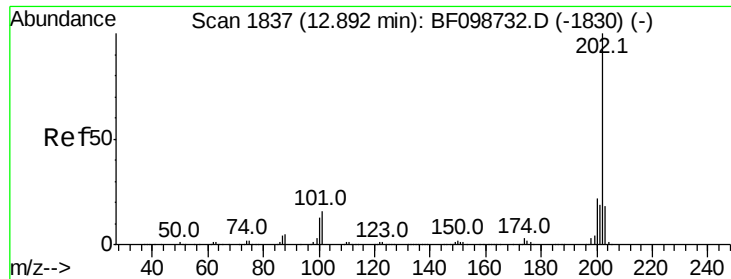
Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	197079		
120	15.0	9.5	14.3#	
236	25.4	20.7	31.1	





#77

Pvrene

Concen: 21.920 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

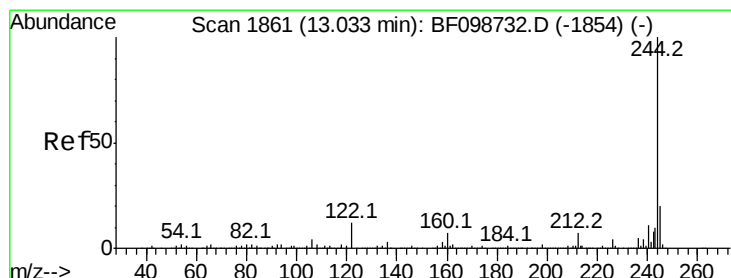
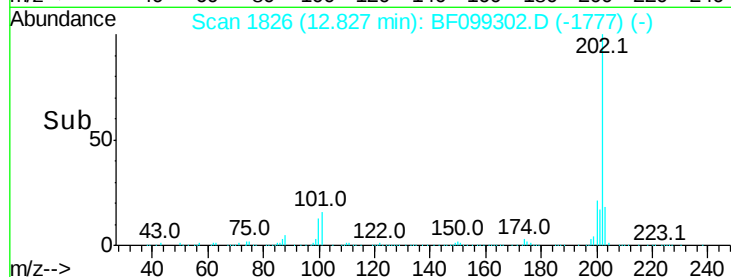
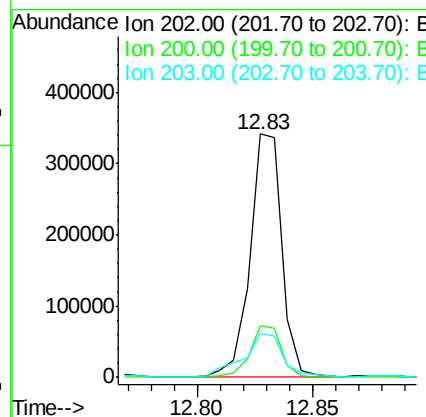
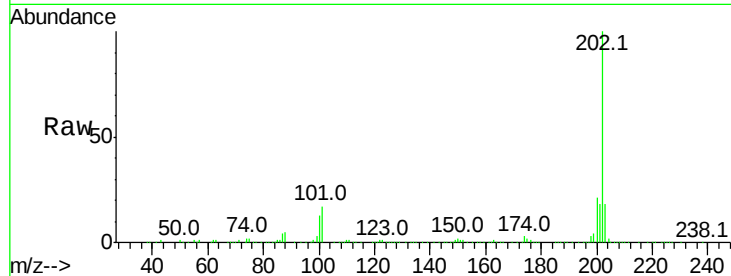
ClientSampleId :

NB-08-100517

Tot Ion:	202	Resp:	329420
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 14.283 ng

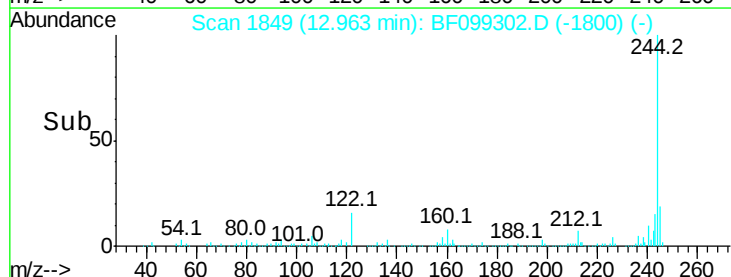
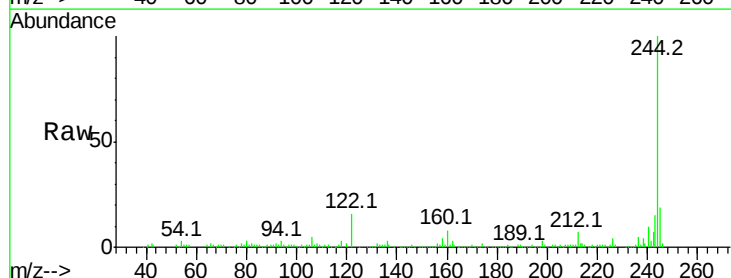
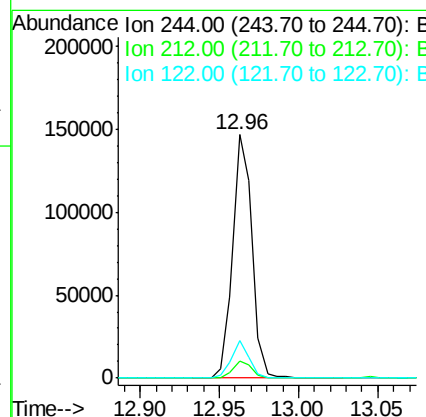
RT: 12.96 min Scan# 1849

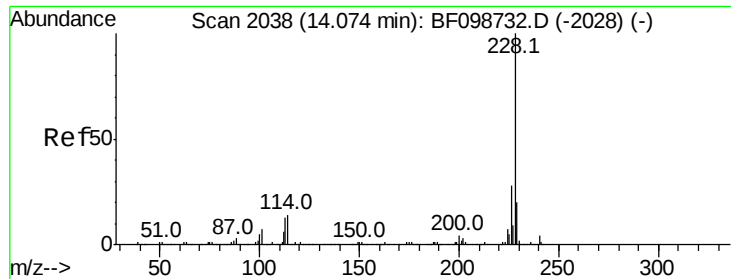
Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Tgt Ion:	244	Resp:	123771
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	15.5	11.0	16.4





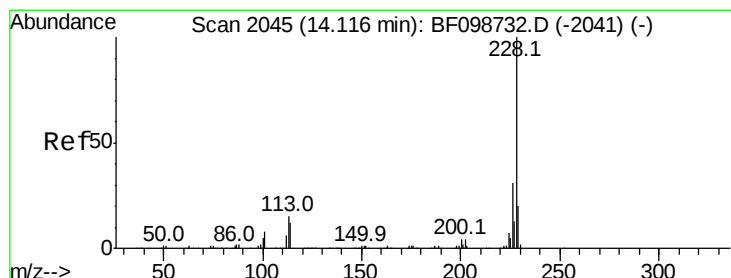
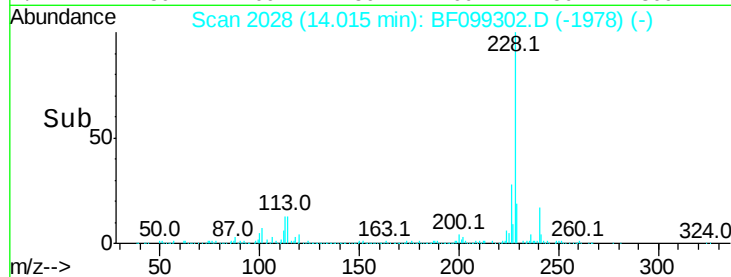
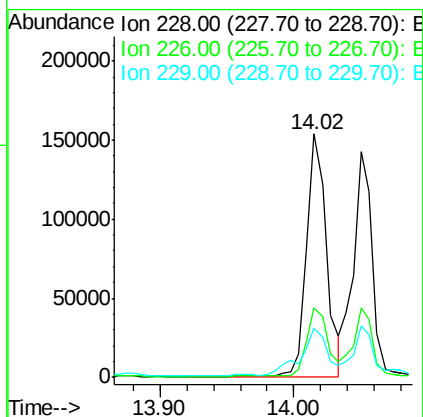
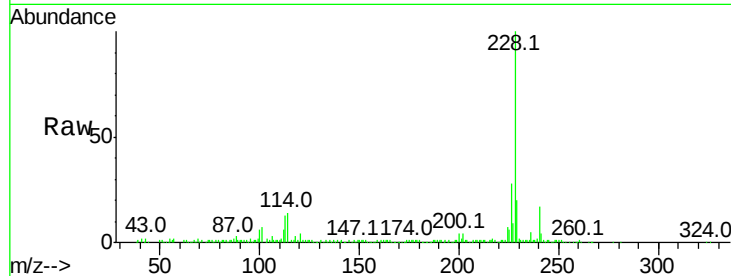
#80
Benzo(a)anthracene
Concen: 13.178 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.4	15.8	23.6

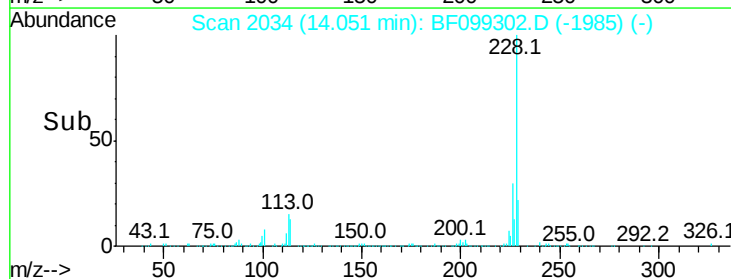
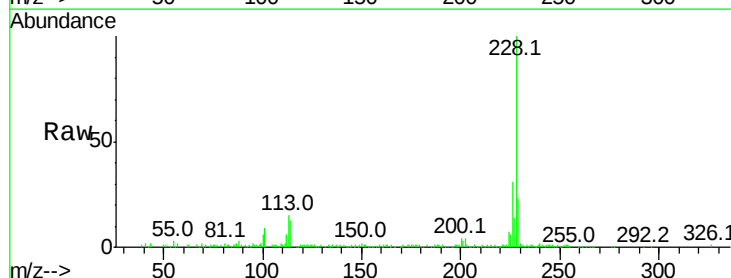
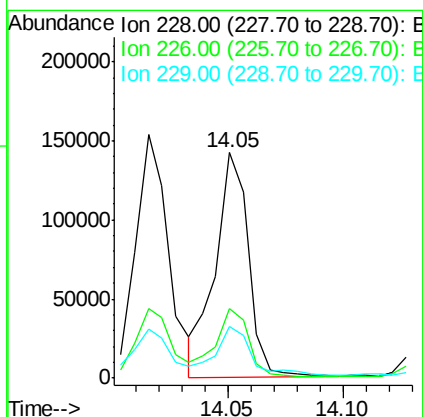
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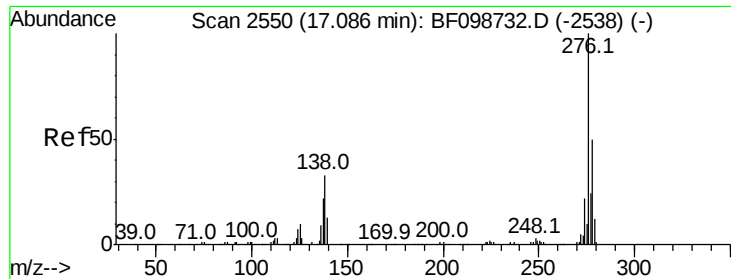
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#82
Chrysene
Concen: 12.434 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.8	16.2	24.4





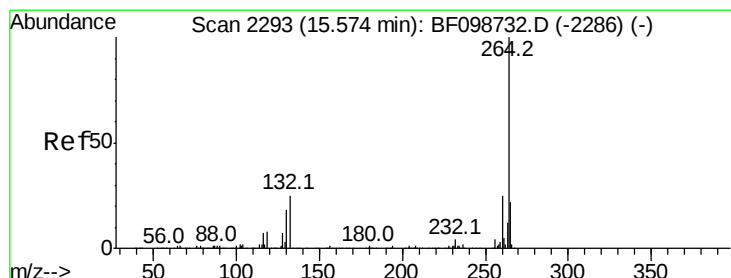
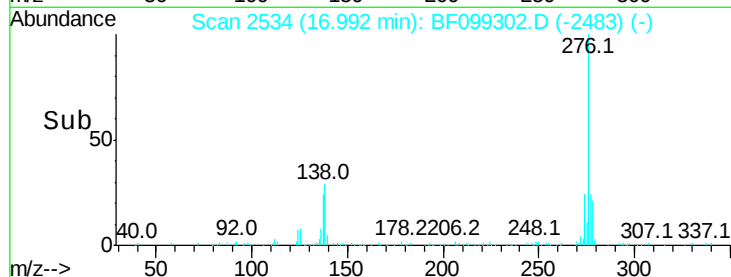
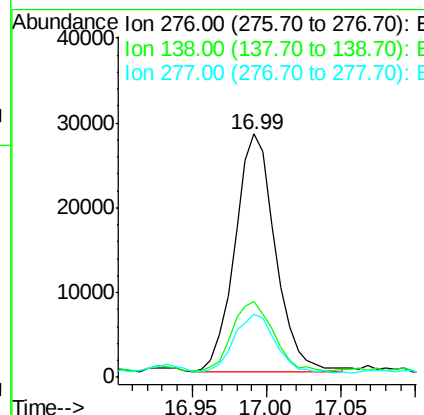
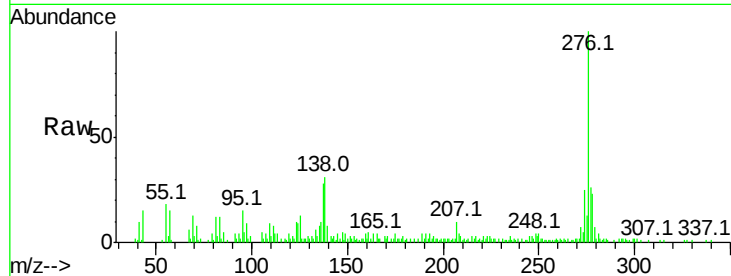
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.770 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.00 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	25.0	37.6
277	25.6	20.1	30.1

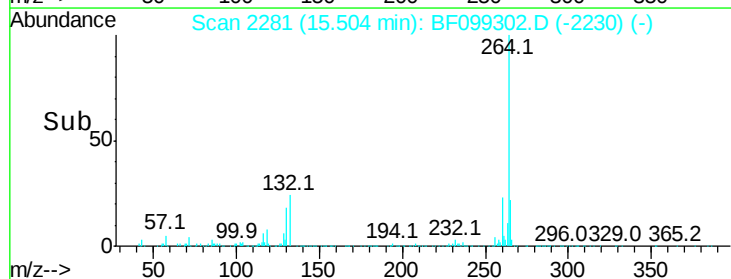
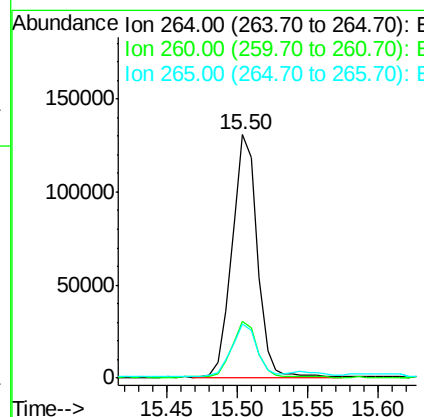
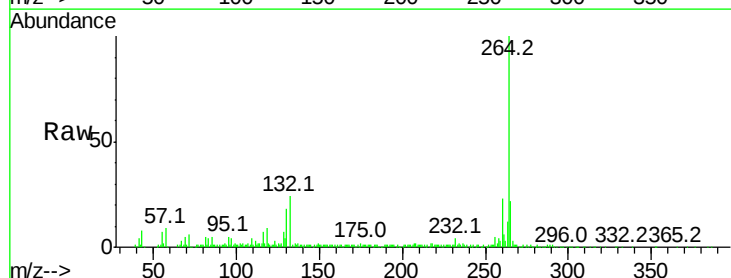
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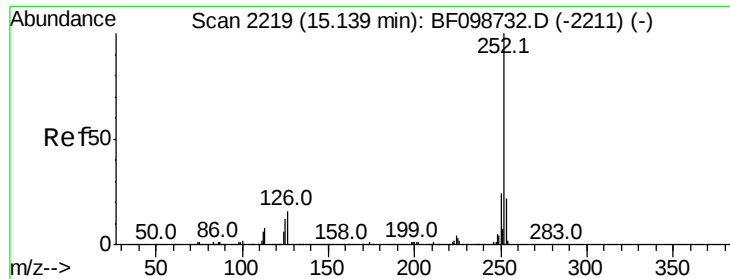
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 16.467 ng m

RT: 15.07 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Instrument :

BNA_F

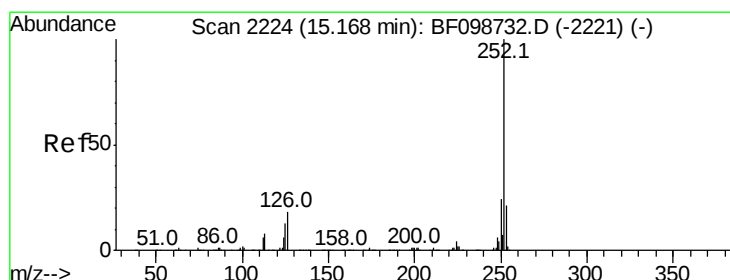
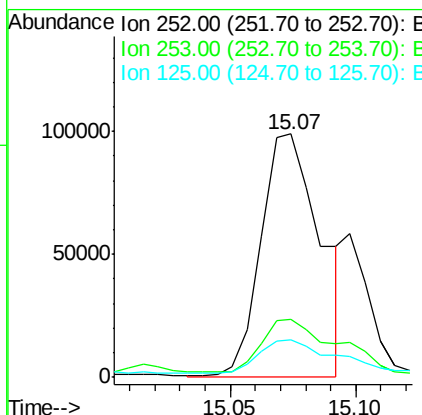
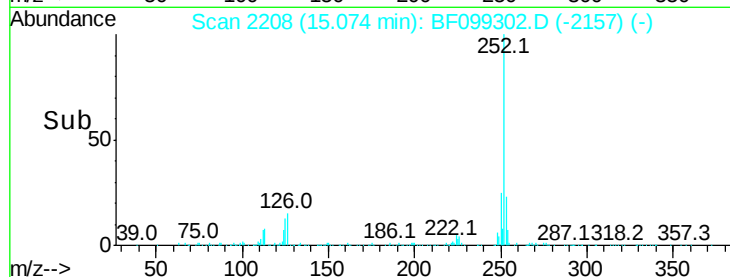
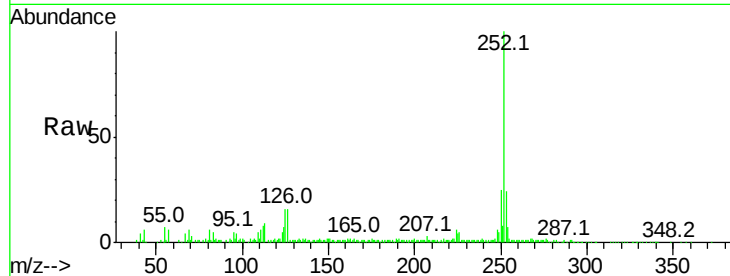
ClientSampleId :

NB-08-100517

Tot Ion:	252	Resp:	163451
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	15.5	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 4.607 ng m

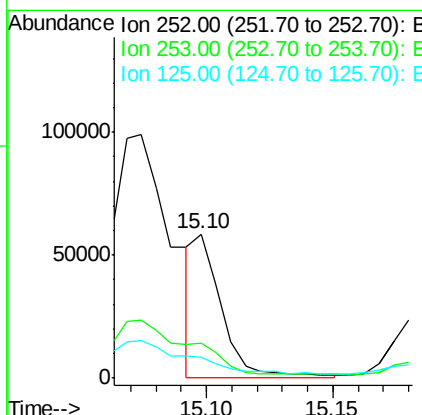
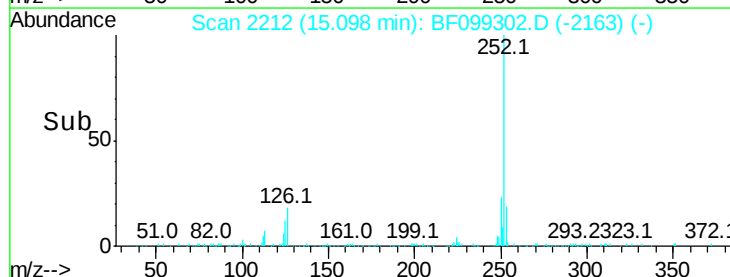
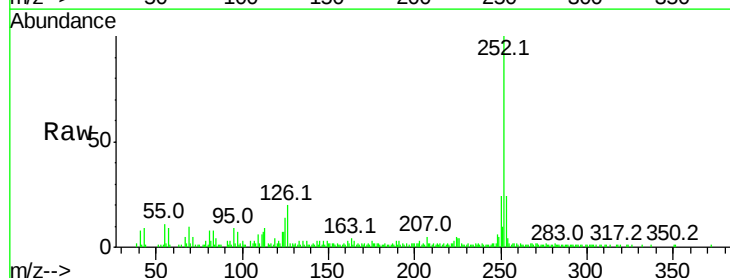
RT: 15.10 min Scan# 2212

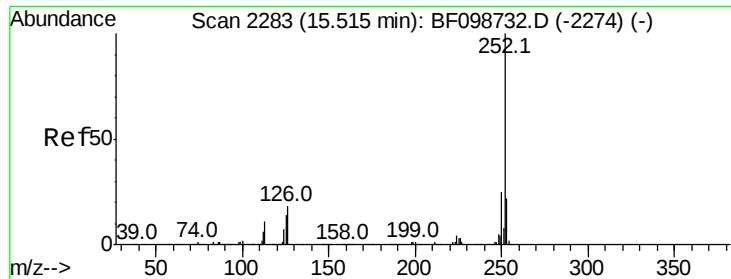
Delta R.T. -0.01 min

Lab File: BF099302.D

Acq: 10 Oct 2017 15:38

Tgt Ion:	252	Resp:	45164
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	14.2	10.2	15.2





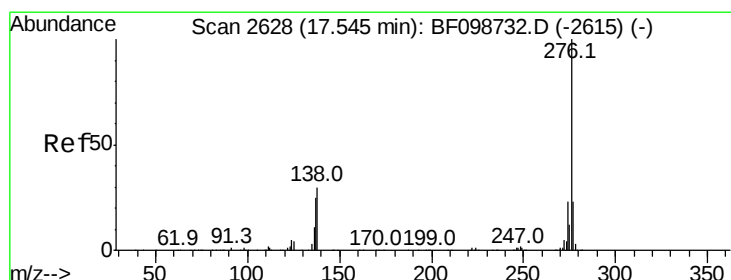
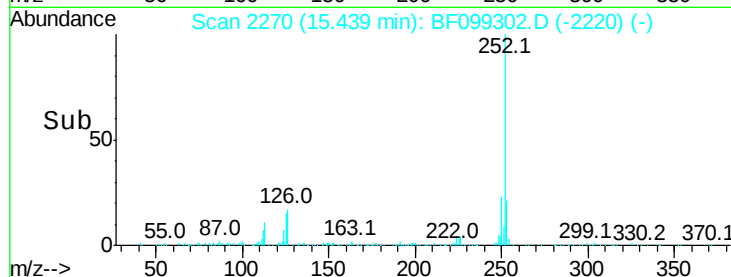
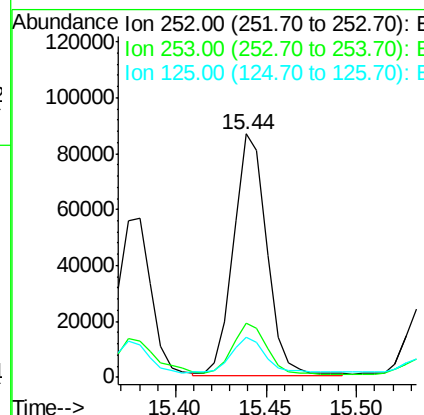
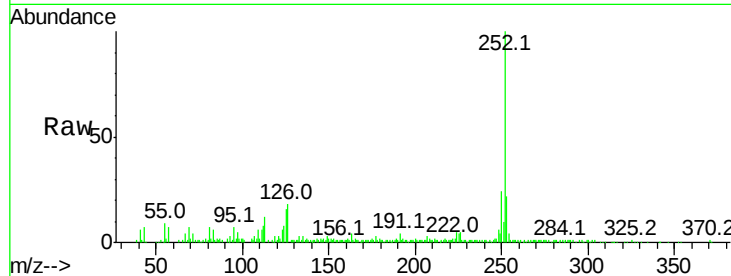
#89
Benzo(a)pyrene
Concen: 12.062 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Instrument :
BNA_F
ClientSampleId :
NB-08-100517

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.734 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.00 min
Lab File: BF099302.D
Acq: 10 Oct 2017 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	30.8	21.8	32.8

