

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099300.D
 Acq On : 10 Oct 2017 14:43
 Operator : SJ/JU
 Sample : I5715-07 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-C

Manual Integrations
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 10/11/2017 7:23:39 PM

Quant Time: Oct 10 16:36:42 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	105682	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	433701	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	196292	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	351184	20.00	ng	0.00
75) Chrysene-d12	14.03	240	235755	20.00	ng	0.00
86) Perylene-d12	15.50	264	176658	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	27992	4.22	ng	0.00
7) Phenol-d6	6.49	99	35077	4.28	ng	-0.01
23) Nitrobenzene-d5	7.42	82	19002	2.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	4614	2.87	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	44329	3.77	ng	-0.01
78) Terphenyl-d14	12.96	244	44609	4.30	ng	-0.01
Target Compounds						
51) Acenaphthene	9.93	154	24958	2.032	ng	97
54) Dibenzofuran	10.10	168	39287	2.402	ng	95
57) Fluorene	10.45	166	56684	4.312	ng	99
70) Phenanthrene	11.41	178	325270	17.304	ng	98
71) Anthracene	11.46	178	133470	6.939	ng	98
74) Fluoranthene	12.60	202	369654	19.420	ng	99
77) Pyrene	12.83	202	295149	16.418	ng	99
80) Benzo(a)anthracene	14.02	228	140760	9.860	ng	99
82) Chrysene	14.05	228	102538	7.545	ng	96
85) Indeno(1,2,3-cd)pyrene	16.98	276	41964	3.860	ng	96
87) Benzo(b)fluoranthene	15.07	252	105052m	9.672	ng	
88) Benzo(k)fluoranthene	15.09	252	32802m	3.058	ng	
89) Benzo(a)pyrene	15.43	252	72727	7.294	ng	96
91) Benzo(a,h,i)perylene	17.43	276	39411	4.997	ng	95

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

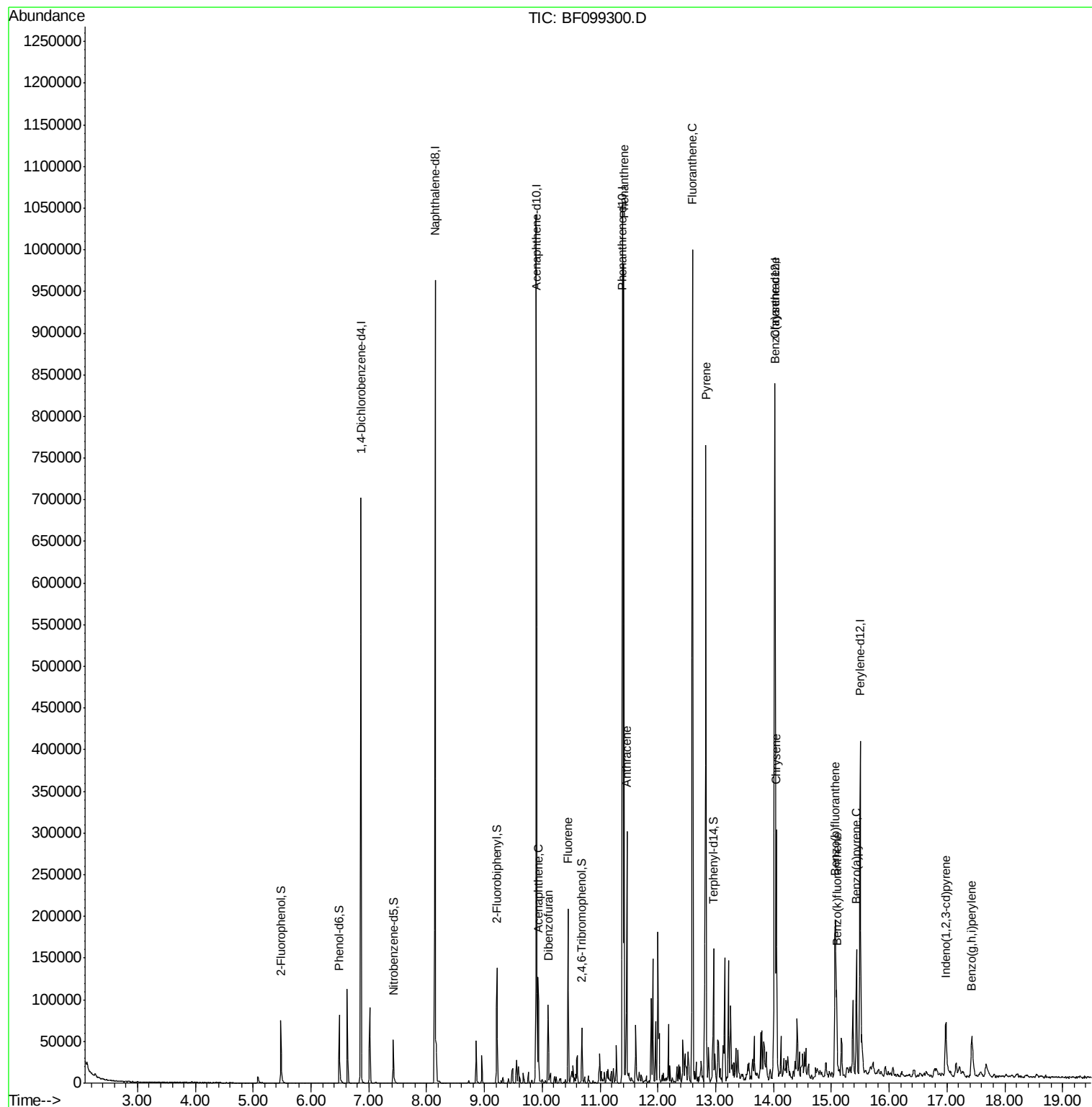
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
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ALS Vial : 11 Sample Multiplier: 1

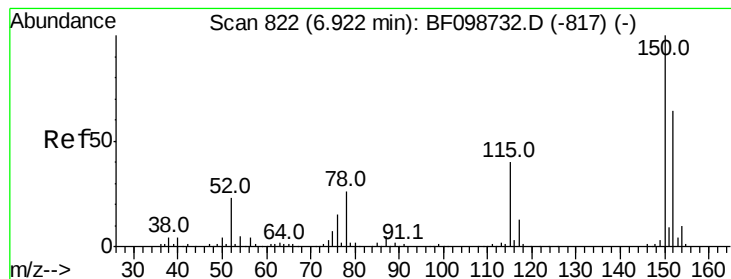
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#1

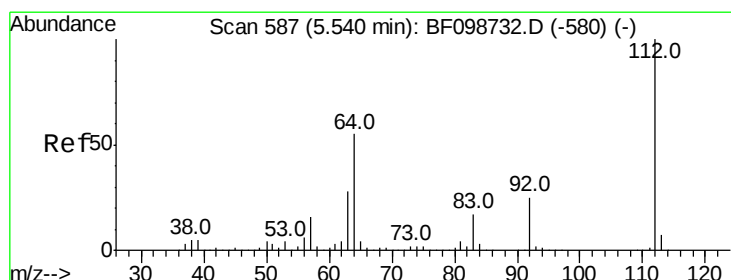
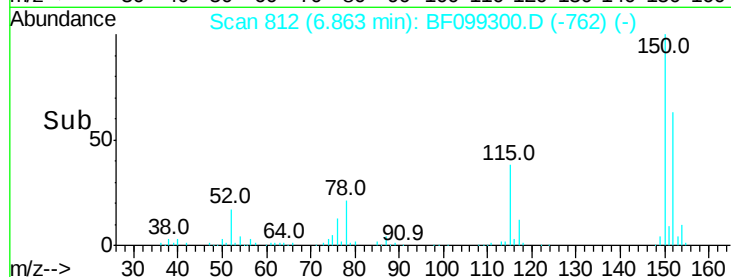
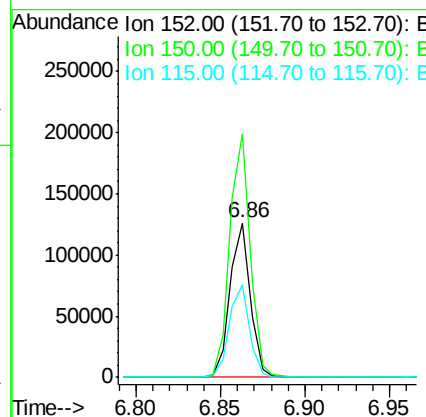
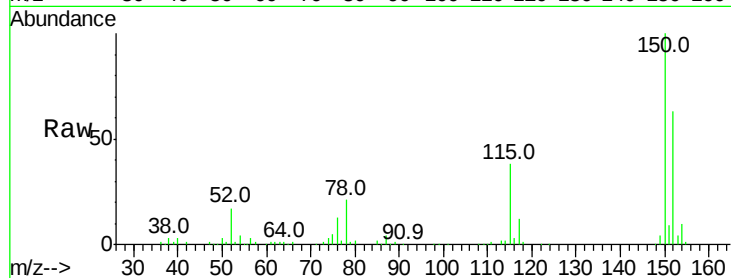
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	59.8	50.1	75.1

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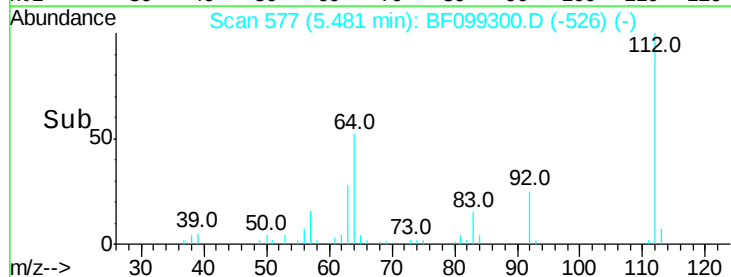
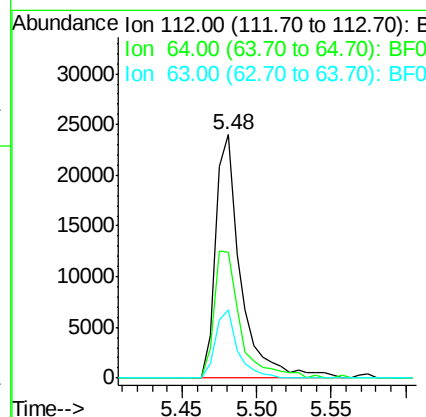
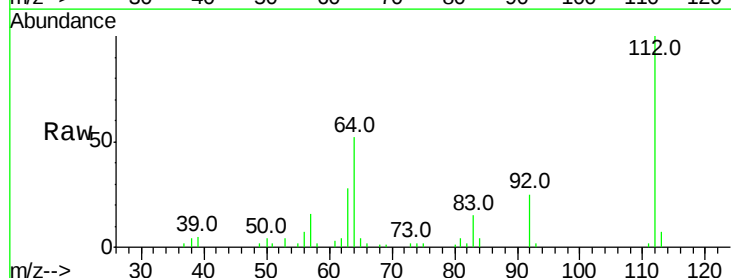
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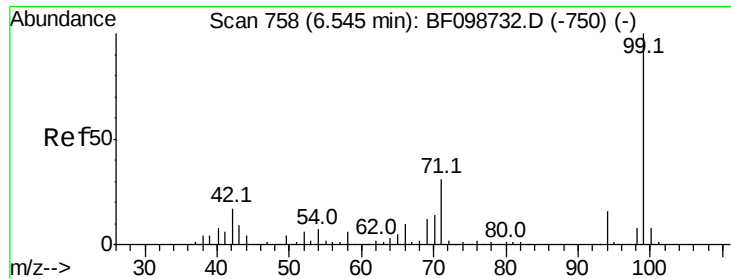


#5

2-Fluorophenol
Concen: 4.216 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 4.283 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Instrument :

BNA_F

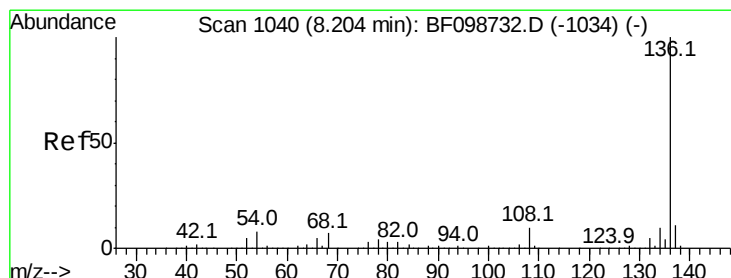
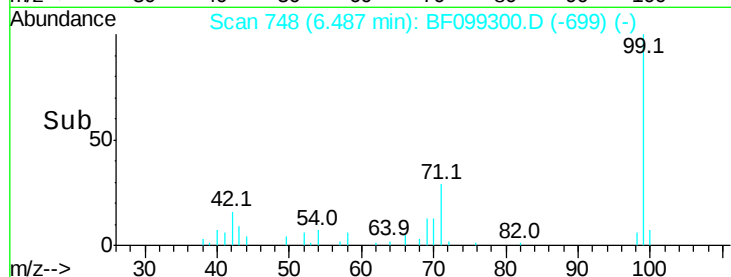
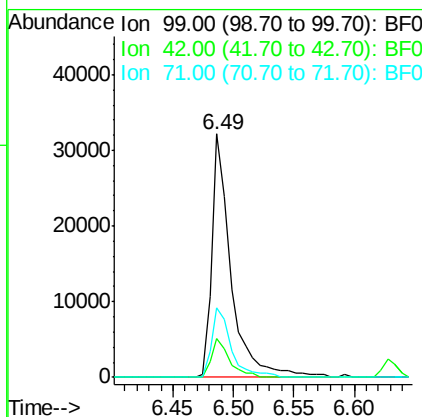
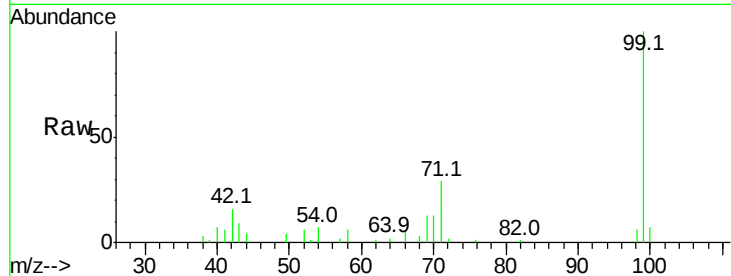
ClientSampleId :

PL-02-100517-C

Tot Ion:	99	Resp:	35077
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	28.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

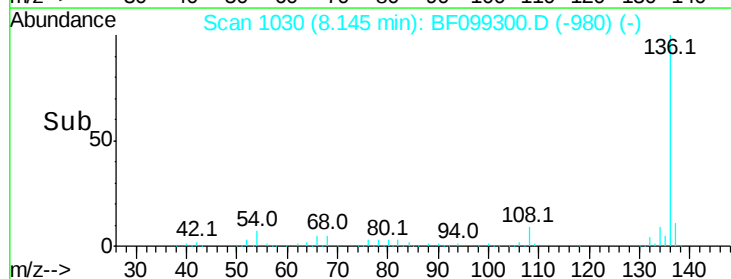
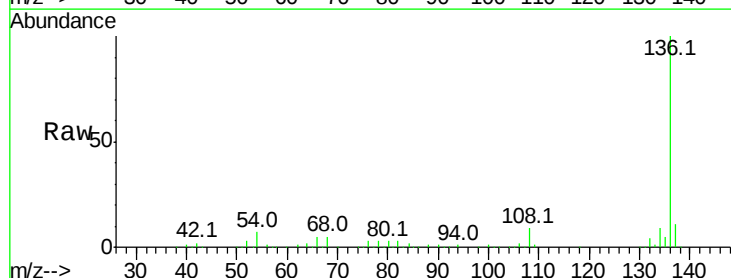
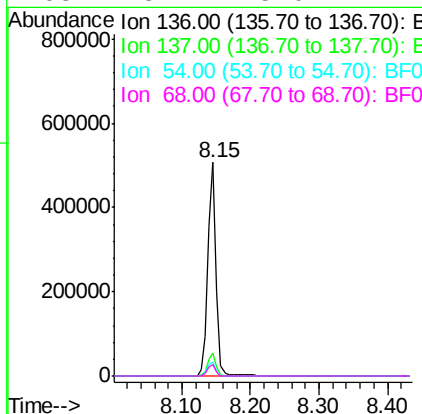
RT: 8.15 min Scan# 1030

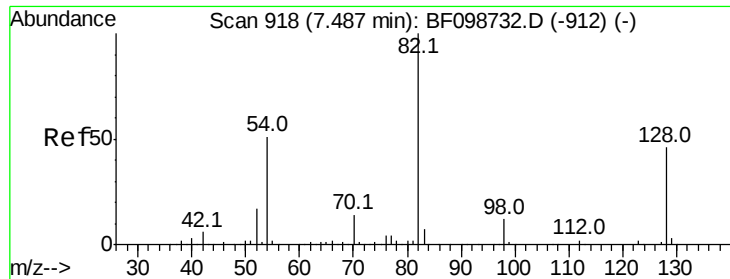
Delta R.T. -0.01 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Tgt Ion:	136	Resp:	433701
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	6.8	6.6	9.8
68	5.4	5.0	7.4





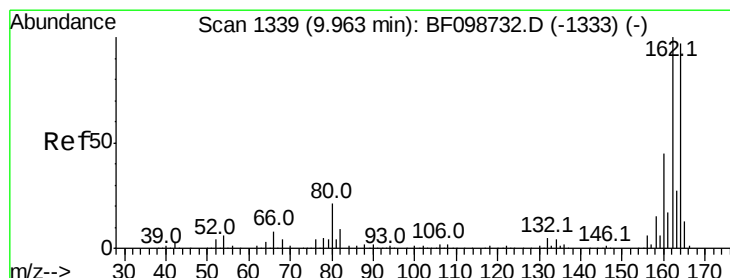
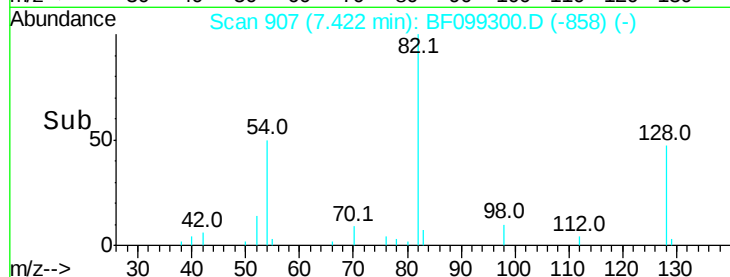
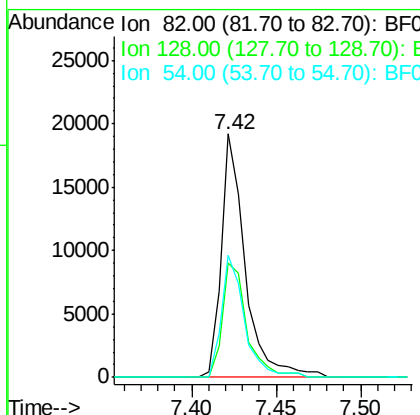
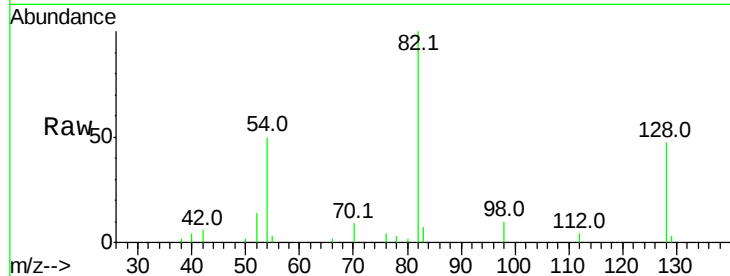
#23
Nitrobenzene-d5
Concen: 2.810 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampled :
PL-02-100517-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	50.1	41.4	62.2

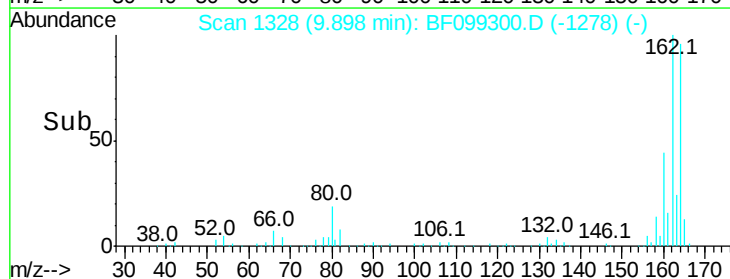
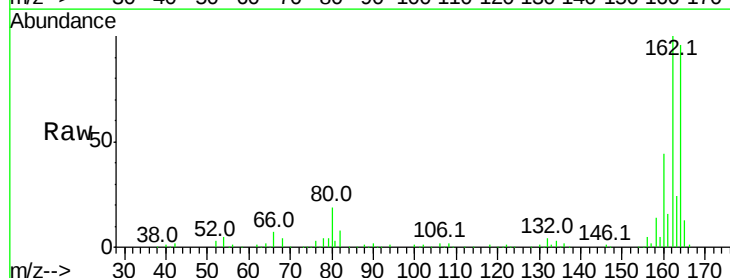
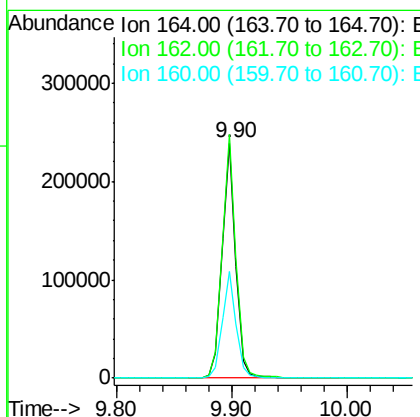
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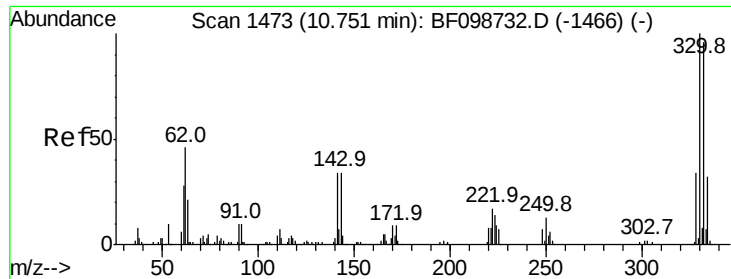
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	45.3	38.3	57.5





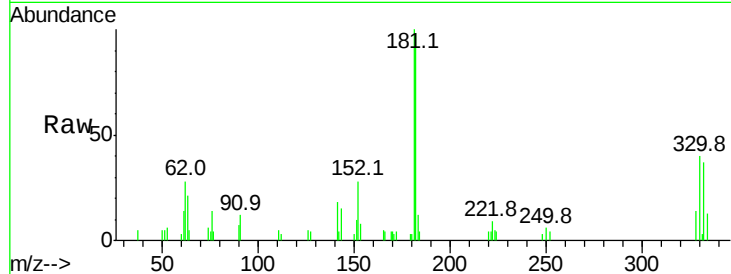
#41
 2,4,6-Tribromophenol
 Concen: 2.873 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099300.D
 Acq: 10 Oct 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-C

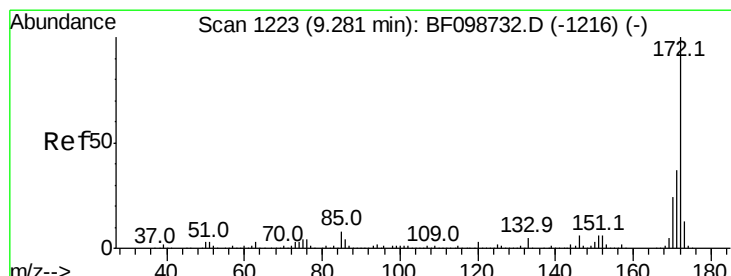
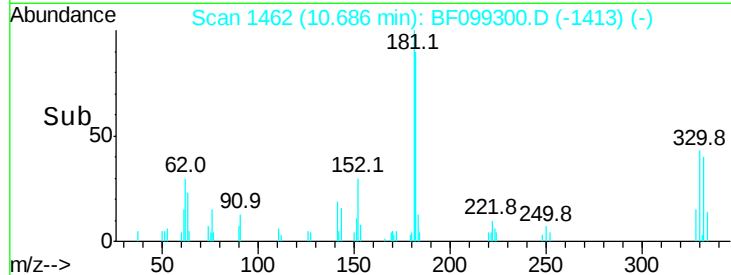
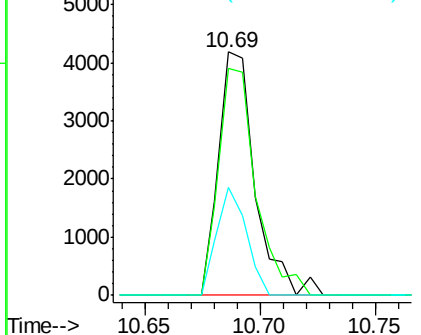
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	35.7	29.9	44.9

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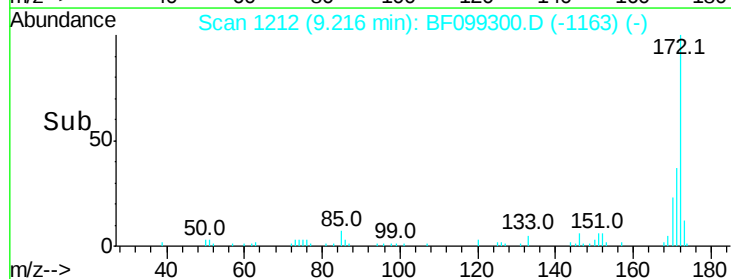
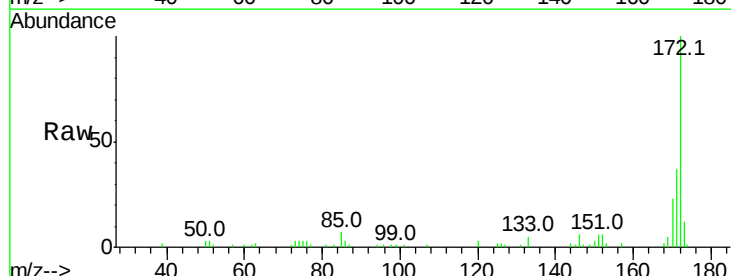
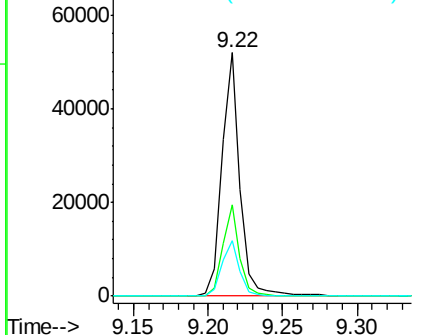
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

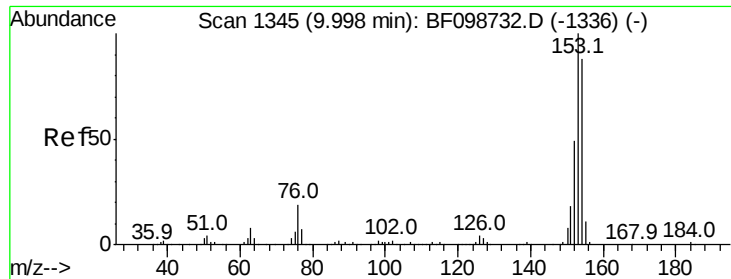


#44
 2-Fluorobiphenyl
 Concen: 3.770 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099300.D
 Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	22.8	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





#51

Acenaphthene

Concen: 2.032 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Instrument :

BNA_F

ClientSampleId :

PL-02-100517-C

Tot Ion:154 Resp: 24958

Ion Ratio Lower Upper

154 100

153 116.6 91.2 136.8

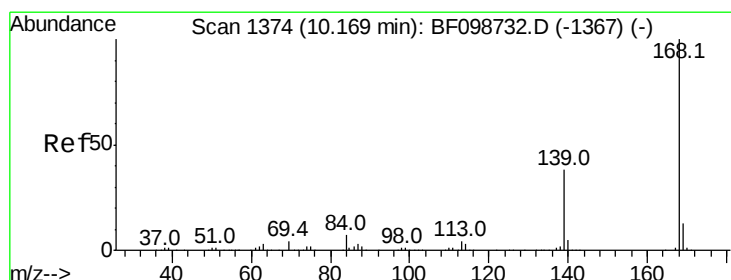
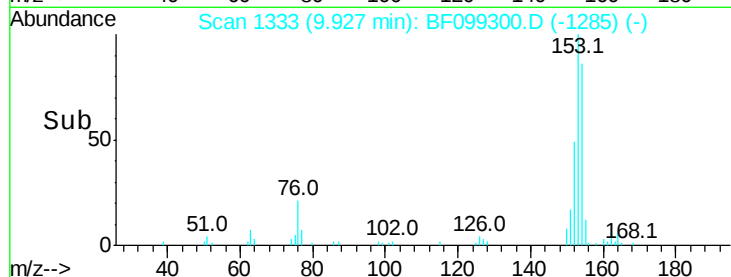
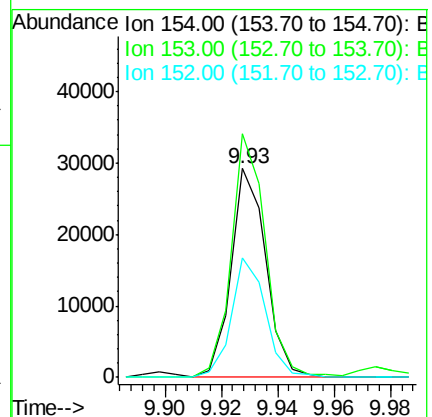
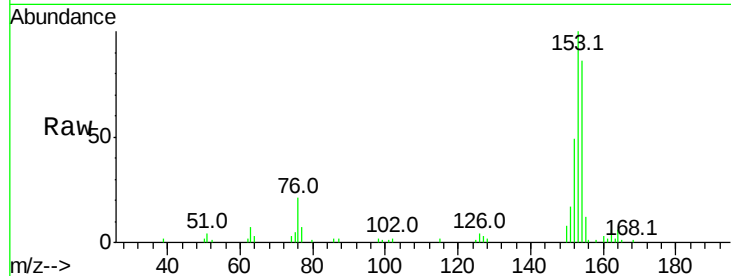
152 57.0 43.8 65.8

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#54

Dibenzofuran

Concen: 2.402 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

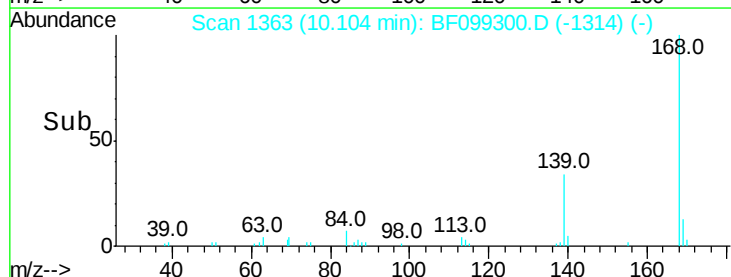
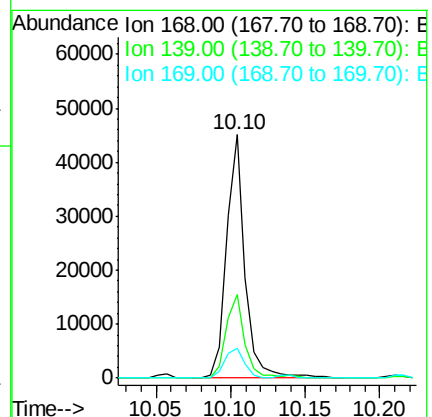
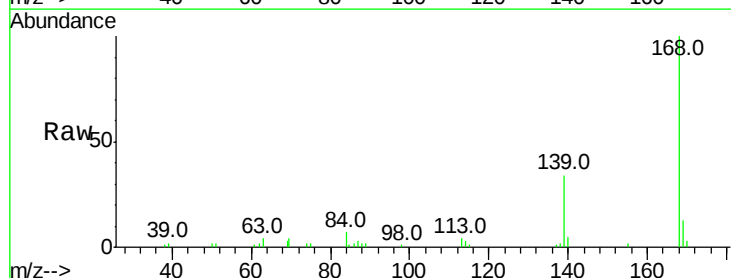
Tgt Ion:168 Resp: 39287

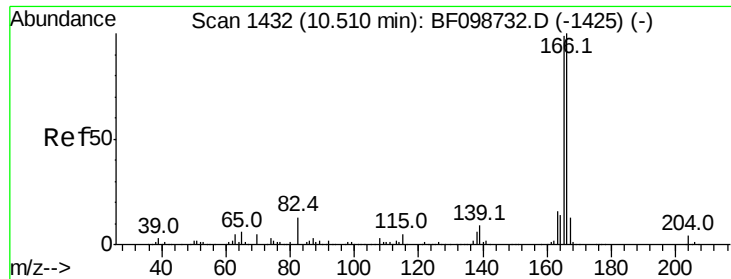
Ion Ratio Lower Upper

168 100

139 34.5 30.1 45.1

169 12.5 10.9 16.3





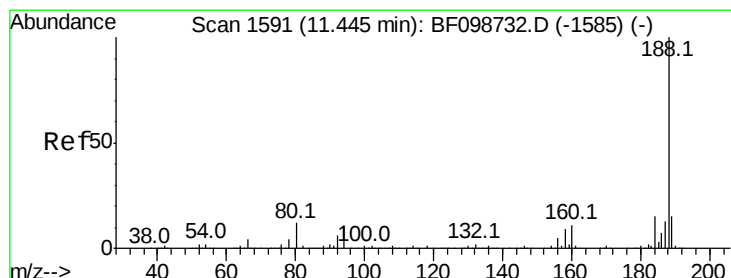
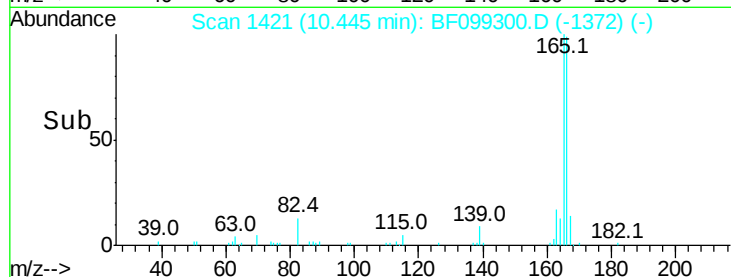
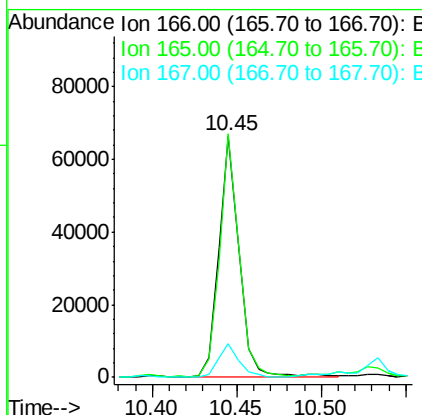
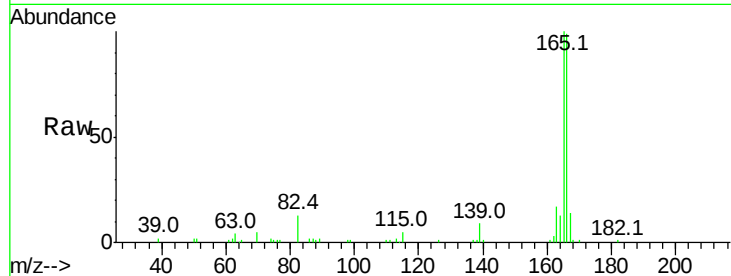
#57
Fluorene
 Concen: 4.312 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099300.D
 Acq: 10 Oct 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.8	119.8
167	14.0	10.6	16.0

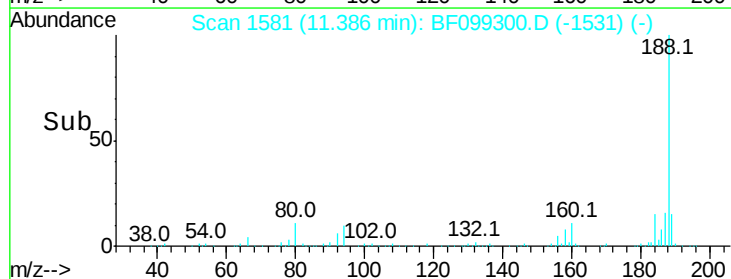
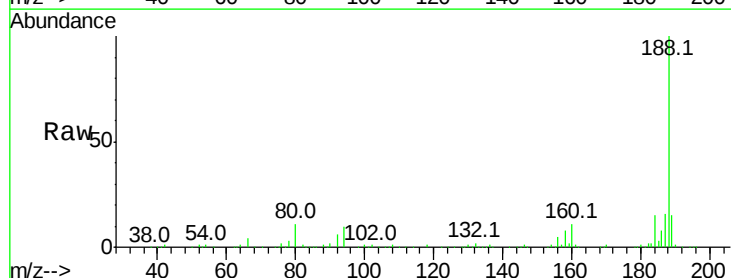
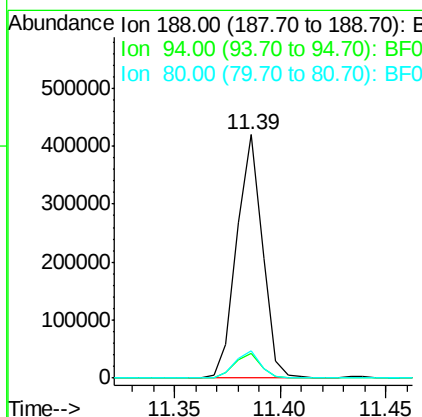
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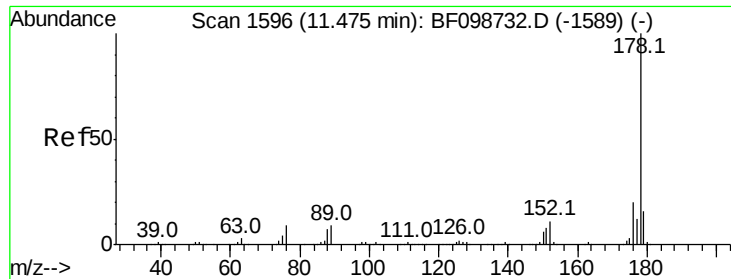
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099300.D
 Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.0	9.2	13.8





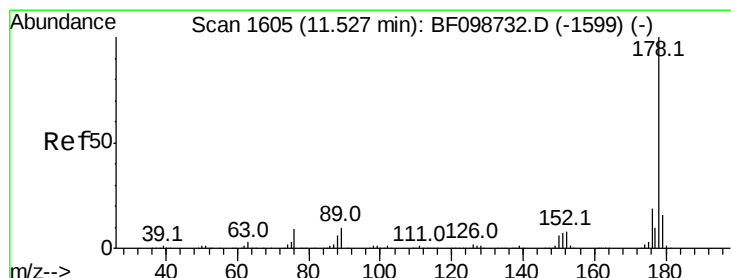
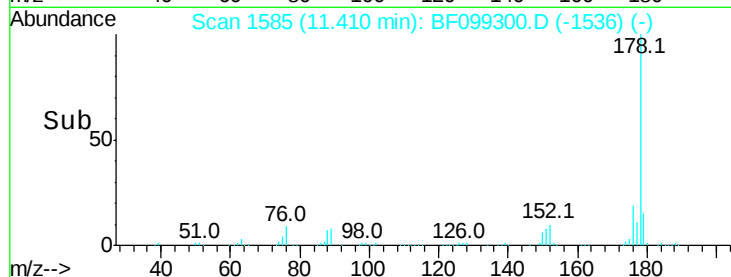
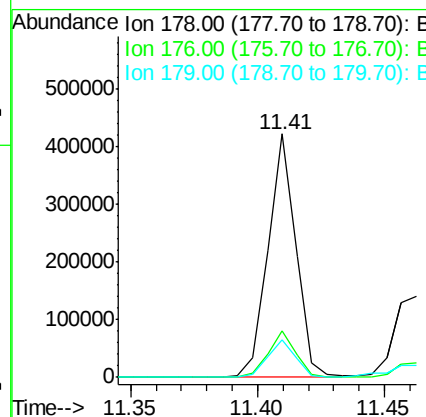
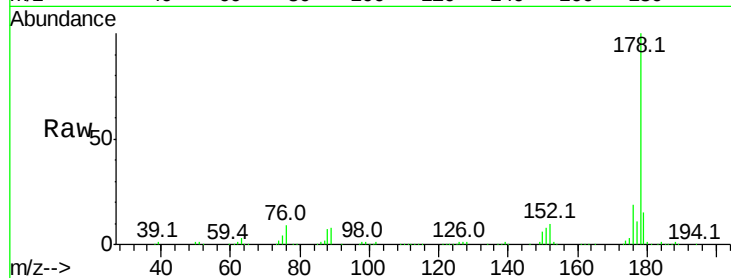
#70
Phenanthrene
Concen: 17.304 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	13.0	19.6

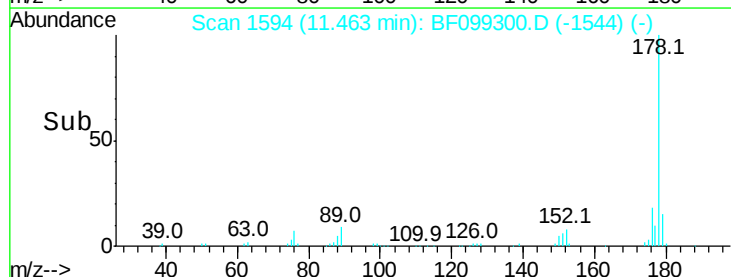
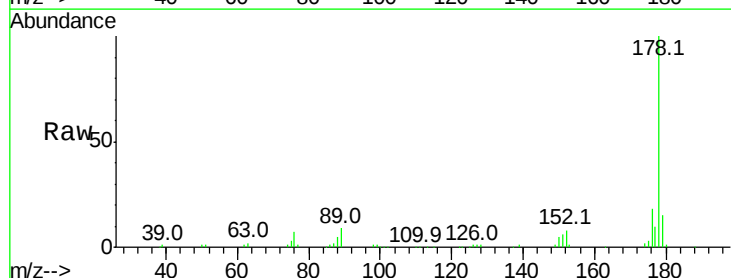
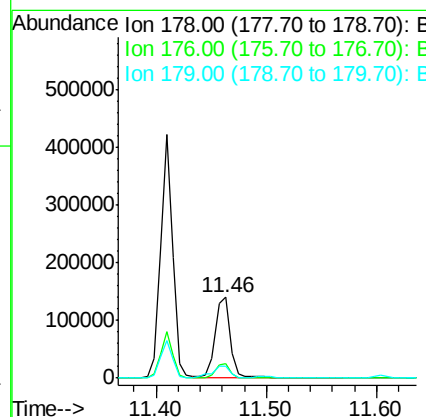
Manual Integrations
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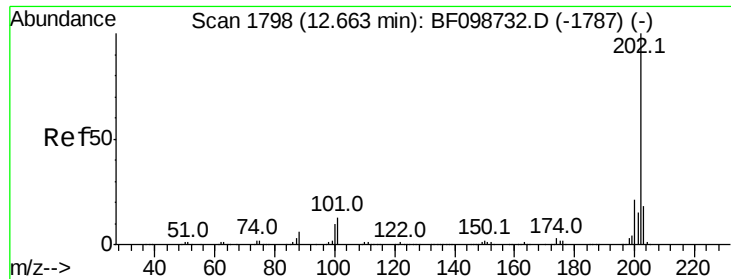
Sohil
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#71
Anthracene
Concen: 6.939 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 19.420 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Instrument :

BNA_F

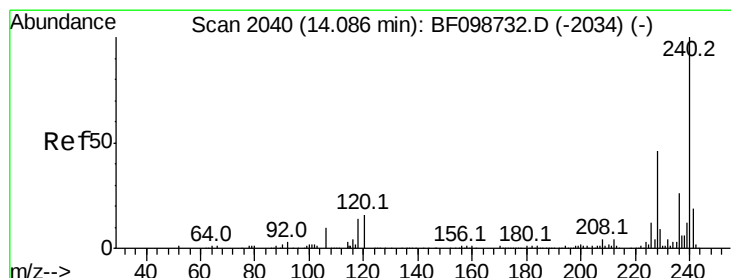
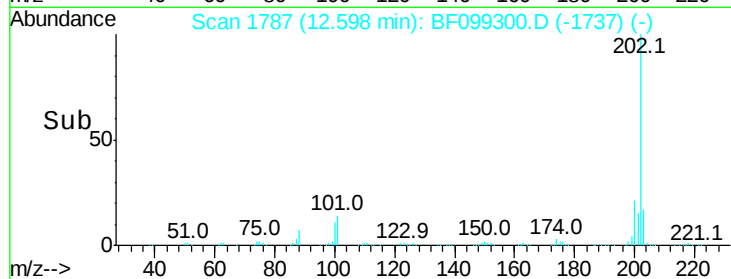
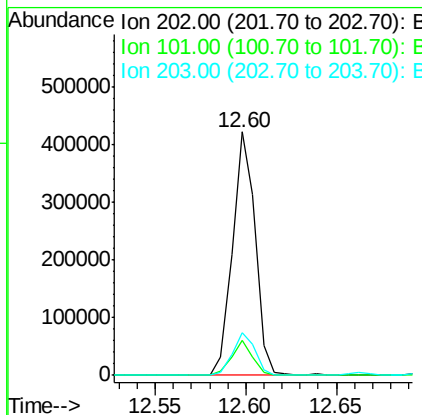
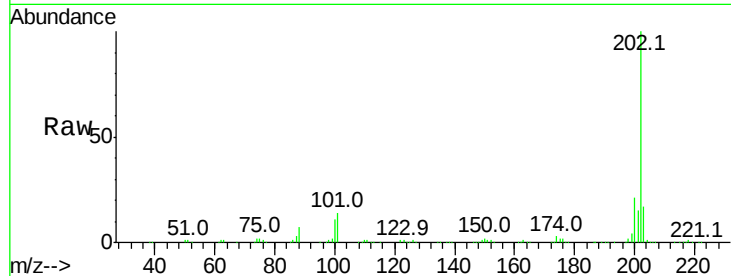
ClientSampleId :

PL-02-100517-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	369654		
101	14.3	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

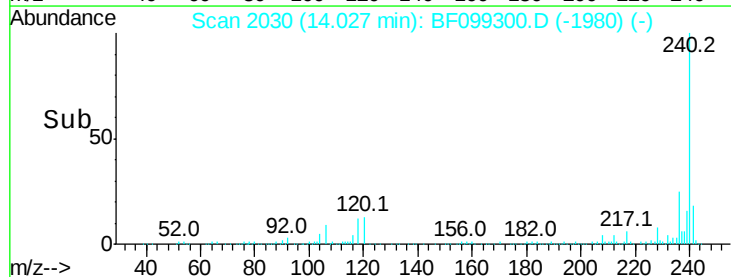
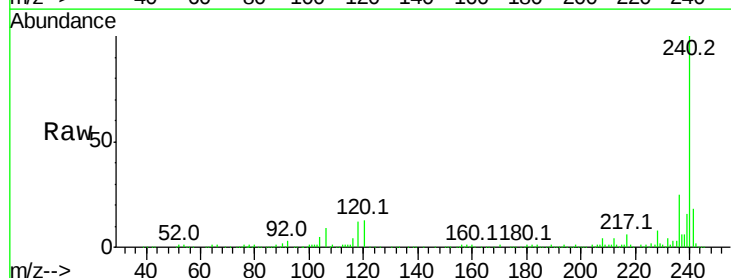
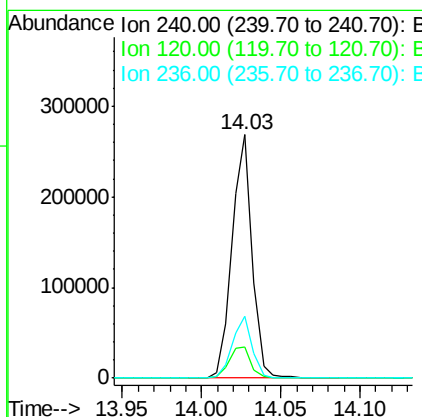
RT: 14.03 min Scan# 2030

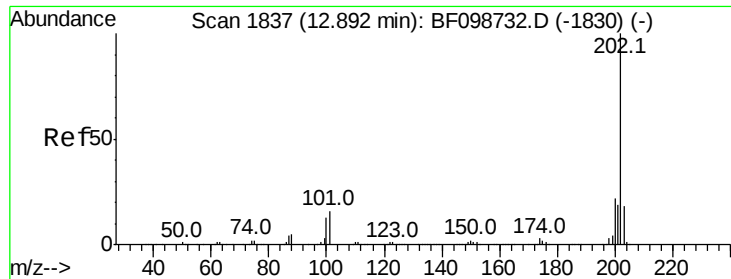
Delta R.T. -0.01 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	235755		
120	13.0	9.5	14.3	
236	25.3	20.7	31.1	





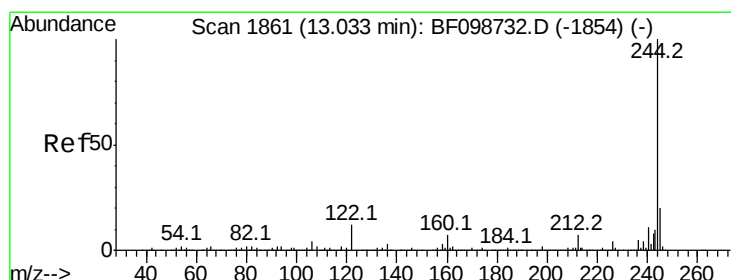
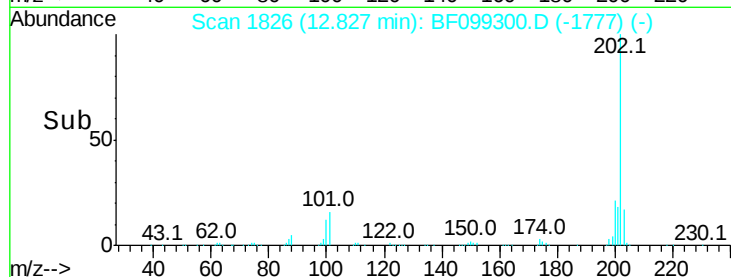
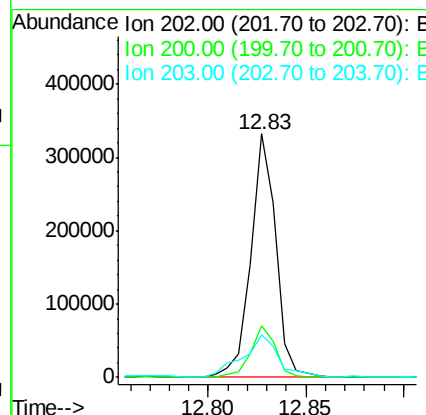
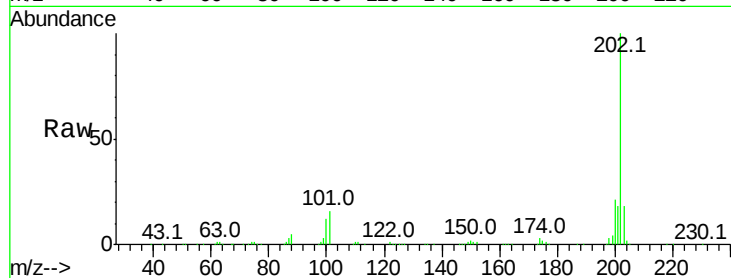
#77
Pvrene
Concen: 16.418 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.6	14.3	21.5

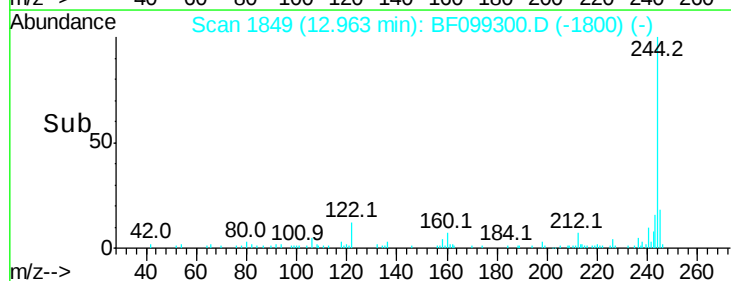
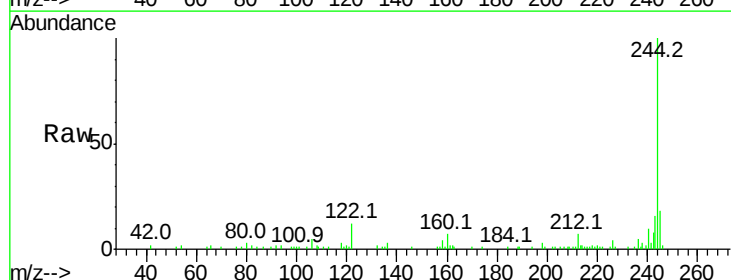
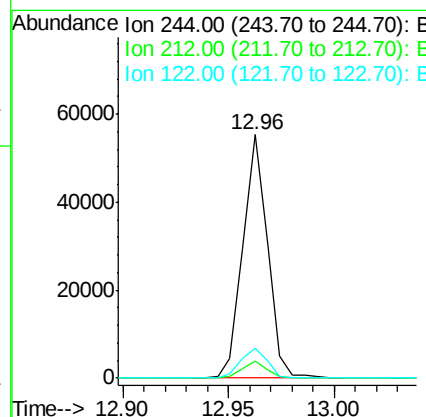
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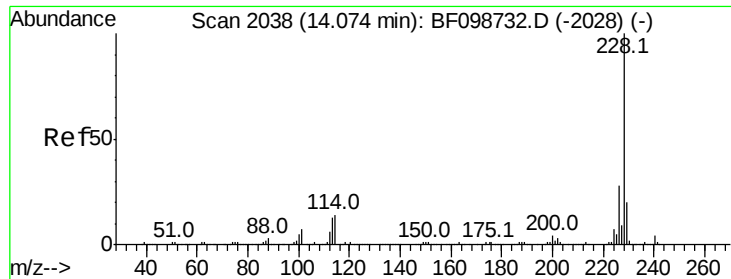
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#78
Terphenyl-d14
Concen: 4.303 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	11.0	16.4





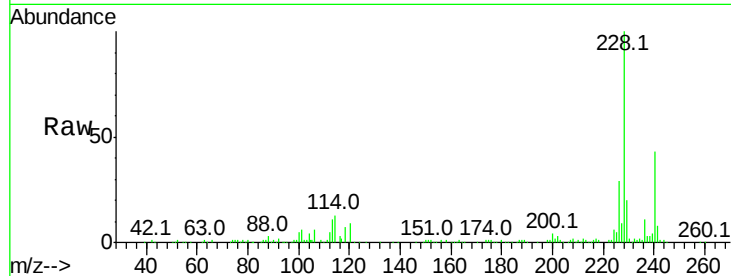
#80
Benzo(a)anthracene
Concen: 9.860 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-C

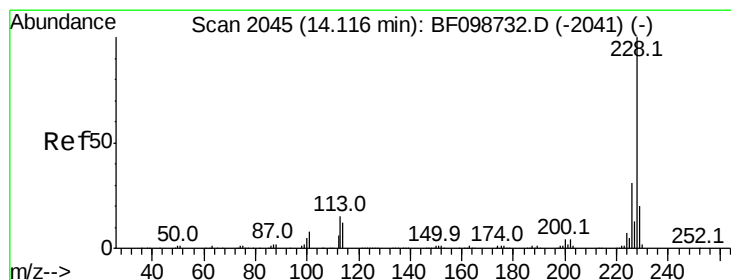
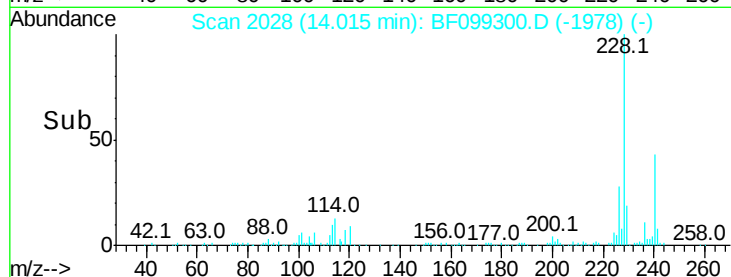
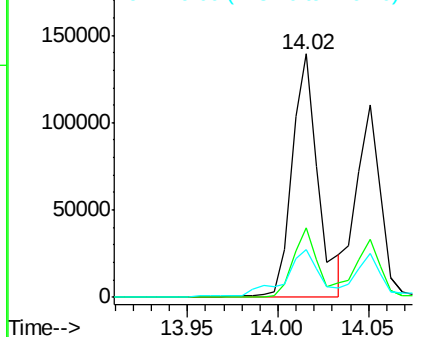
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	19.6	15.8	23.6

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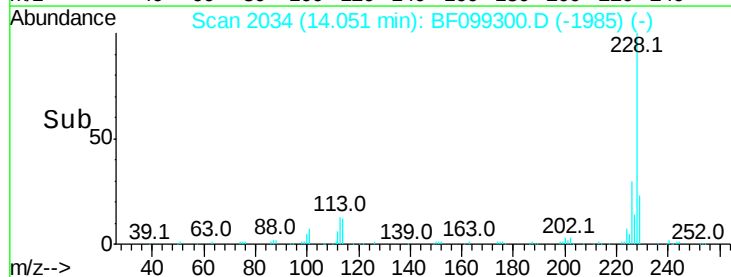
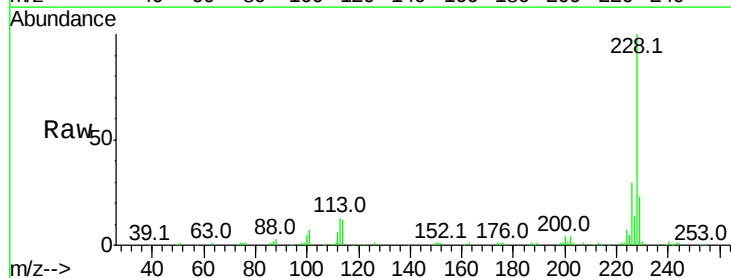
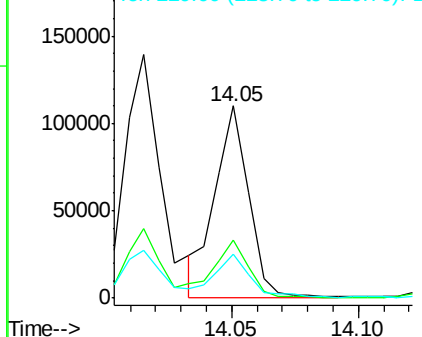
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

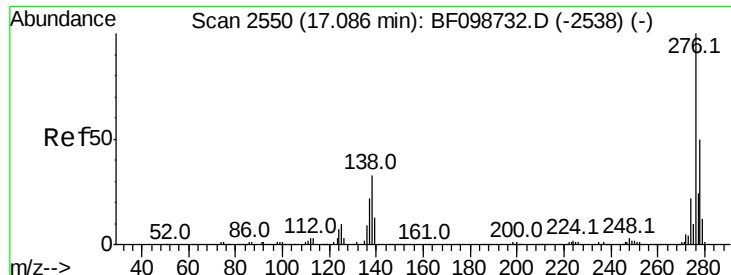


#82
Chrysene
Concen: 7.545 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	23.0	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





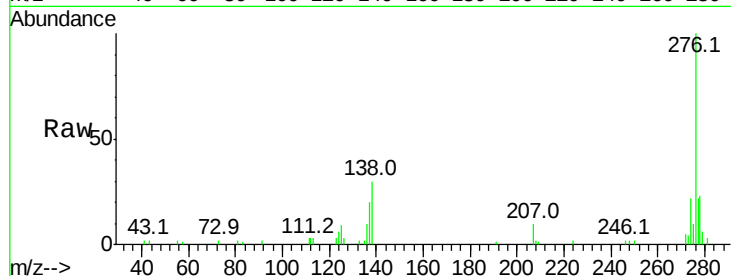
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.860 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-C

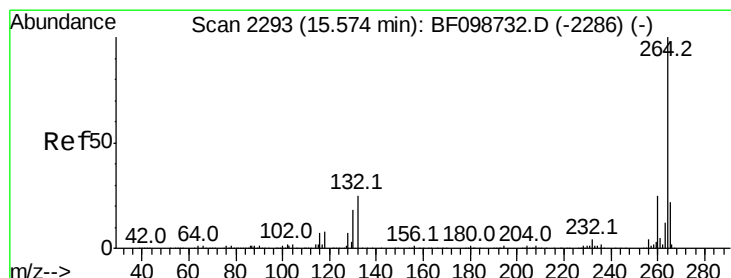
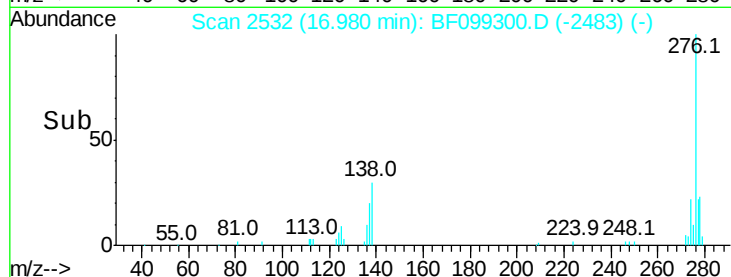
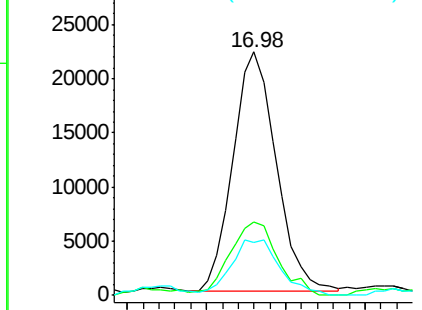
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.9	25.0	37.6
277	26.2	20.1	30.1

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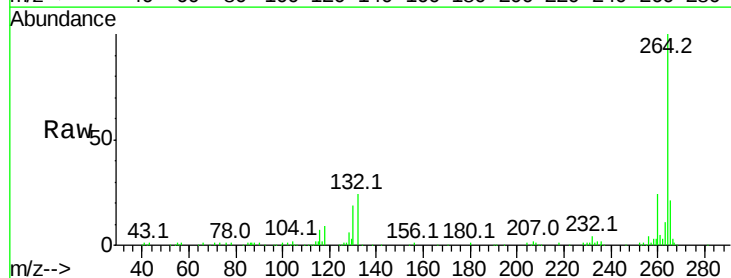


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

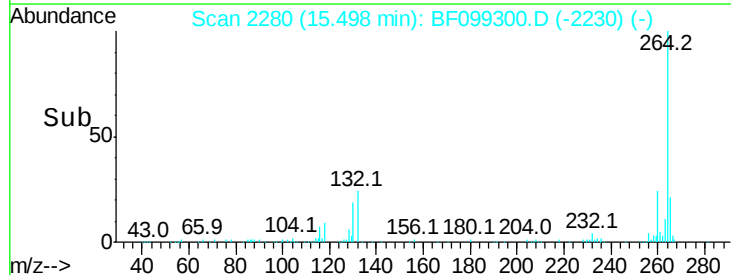
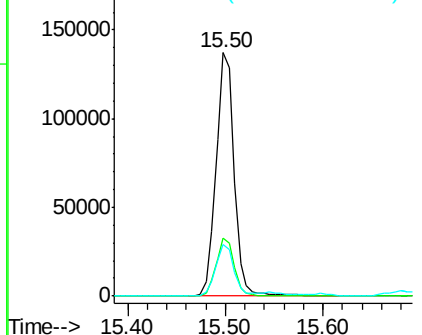


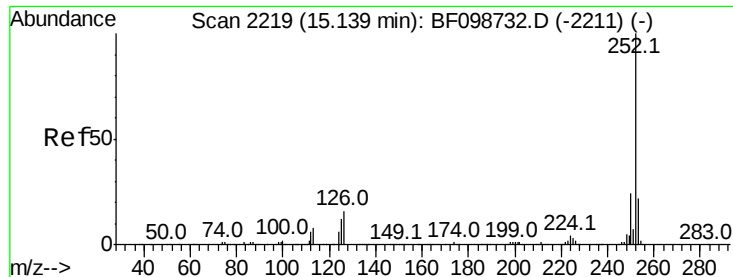
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.2	17.5	26.3



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: 9.672 ng m

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Instrument :

BNA_F

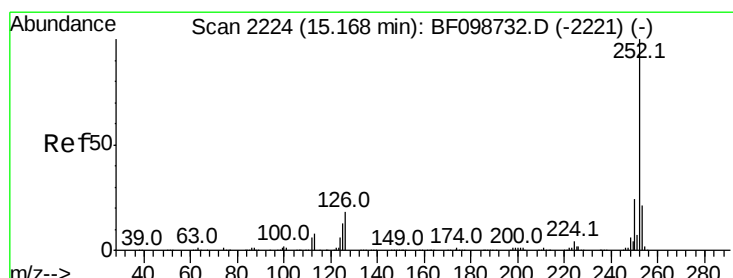
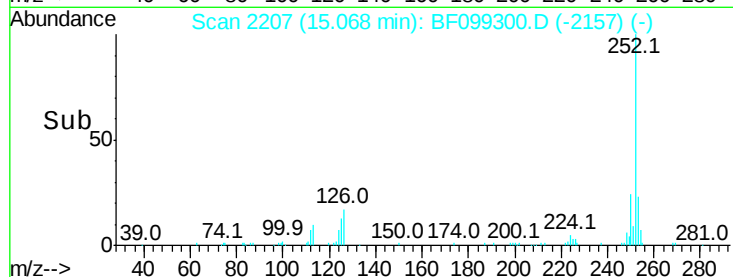
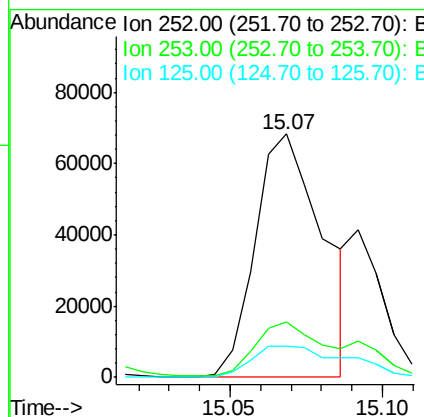
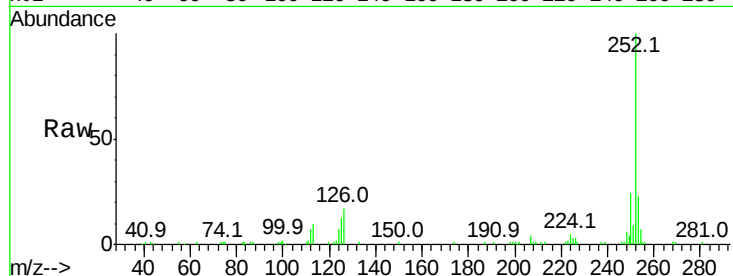
ClientSampleId :

PL-02-100517-C

Tot Ion:	252	Resp:	105052
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	12.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 3.058 ng m

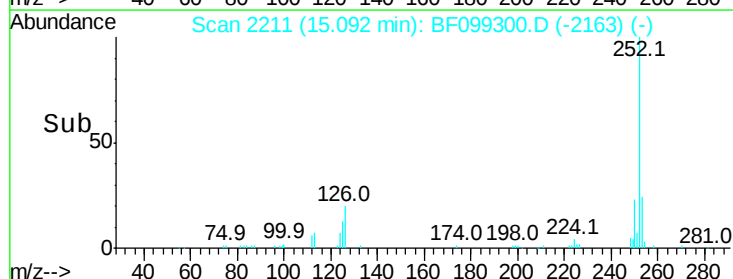
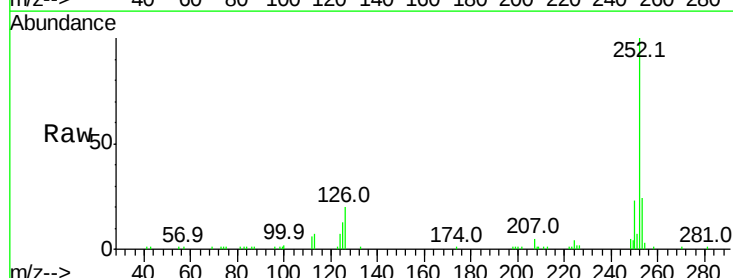
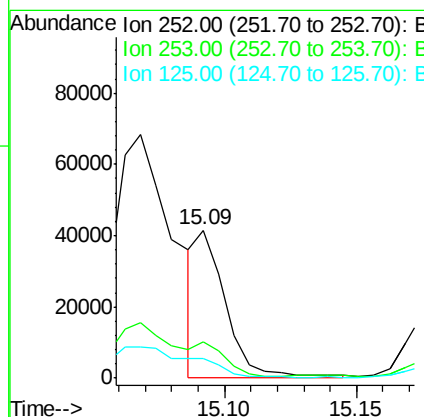
RT: 15.09 min Scan# 2211

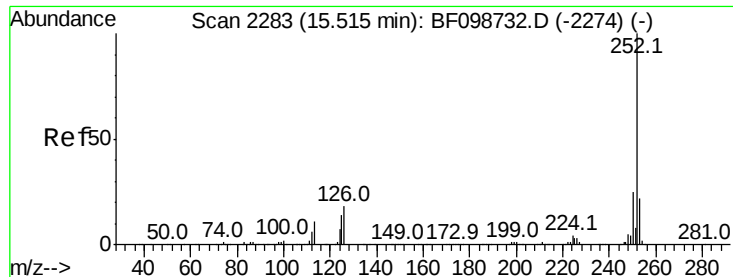
Delta R.T. -0.02 min

Lab File: BF099300.D

Acq: 10 Oct 2017 14:43

Tgt Ion:	252	Resp:	32802
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	13.0	10.2	15.2





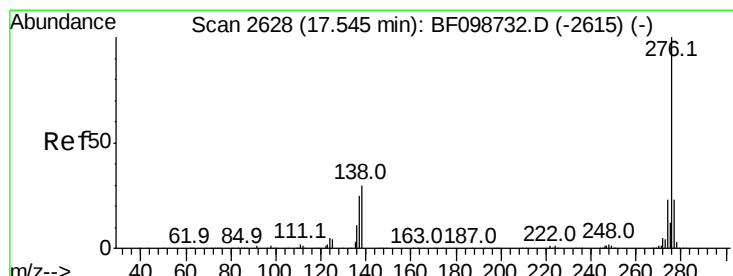
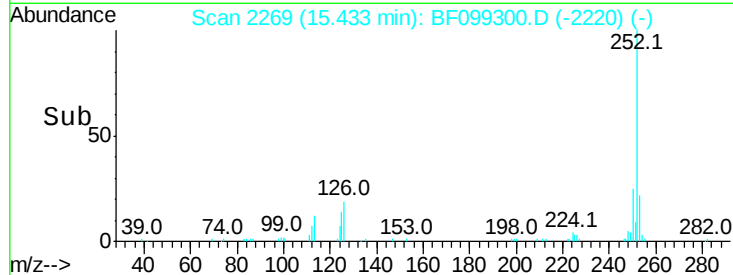
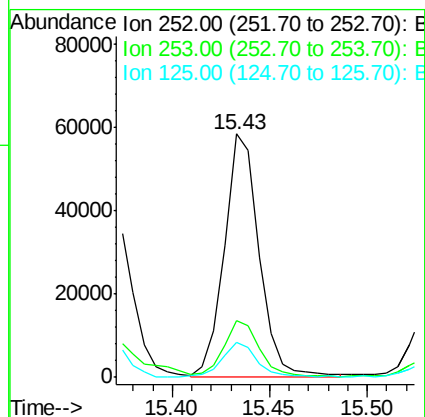
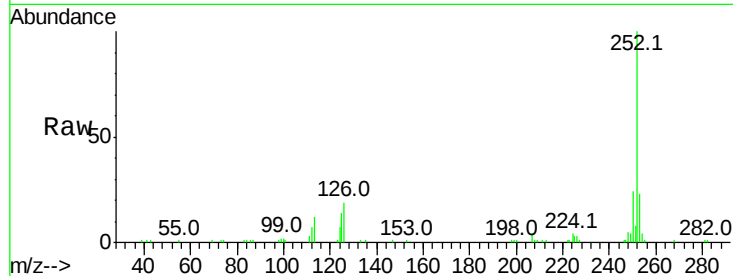
#89
Benzo(a)pyrene
Concen: 7.294 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	14.3	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 4.997 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF099300.D
Acq: 10 Oct 2017 14:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	30.3	21.8	32.8

