

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102994.D
 Acq On : 14 Feb 2018 17:24
 Operator : SJ/JU
 Sample : J1539-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-NW-(2-4)

Manual Integrations
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Quant Time: Feb 15 00:25:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	164415	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	648162	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	242070	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	334182	20.00	ng	0.00
75) Chrysene-d12	14.04	240	305302	20.00	ng	0.00
86) Perylene-d12	15.53	264	259289	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1142279	105.51	ng	0.01
7) Phenol-d6	6.51	99	1331242	102.12	ng	0.01
23) Nitrobenzene-d5	7.44	82	843787	90.31	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	178747	91.74	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1056547	72.42	ng	0.00
78) Terphenyl-d14	12.99	244	668915	51.88	ng	0.00
Target Compounds						
10) Phenol	6.52	94	52466	3.756	ng	81
31) Naphthalene	8.18	128	91870	2.901	ng	97
37) 2-Methylnaphthalene	8.87	142	103919	5.012	ng	99
49) Dimethylphthalate	9.62	163	90221	4.780	ng	98
70) Phenanthrene	11.42	178	163811	8.801	ng	100
71) Anthracene	11.47	178	39502	2.087	ng	99
74) Fluoranthene	12.62	202	210432	11.238	ng	97
77) Pyrene	12.84	202	199347	8.327	ng	99
80) Benzo(a)anthracene	14.03	228	138516	7.214	ng	# 89
82) Chrysene	14.07	228	205425	10.613	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.02	276	46121	2.873	ng	97
87) Benzo(b)fluoranthene	15.09	252	153014m	9.102	ng	
88) Benzo(k)fluoranthene	15.12	252	38394m	2.390	ng	
89) Benzo(a)pyrene	15.46	252	84442	5.580	ng	# 87
91) Benzo(a,h,i)perylene	17.48	276	57822	4.810	ng	# 89

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

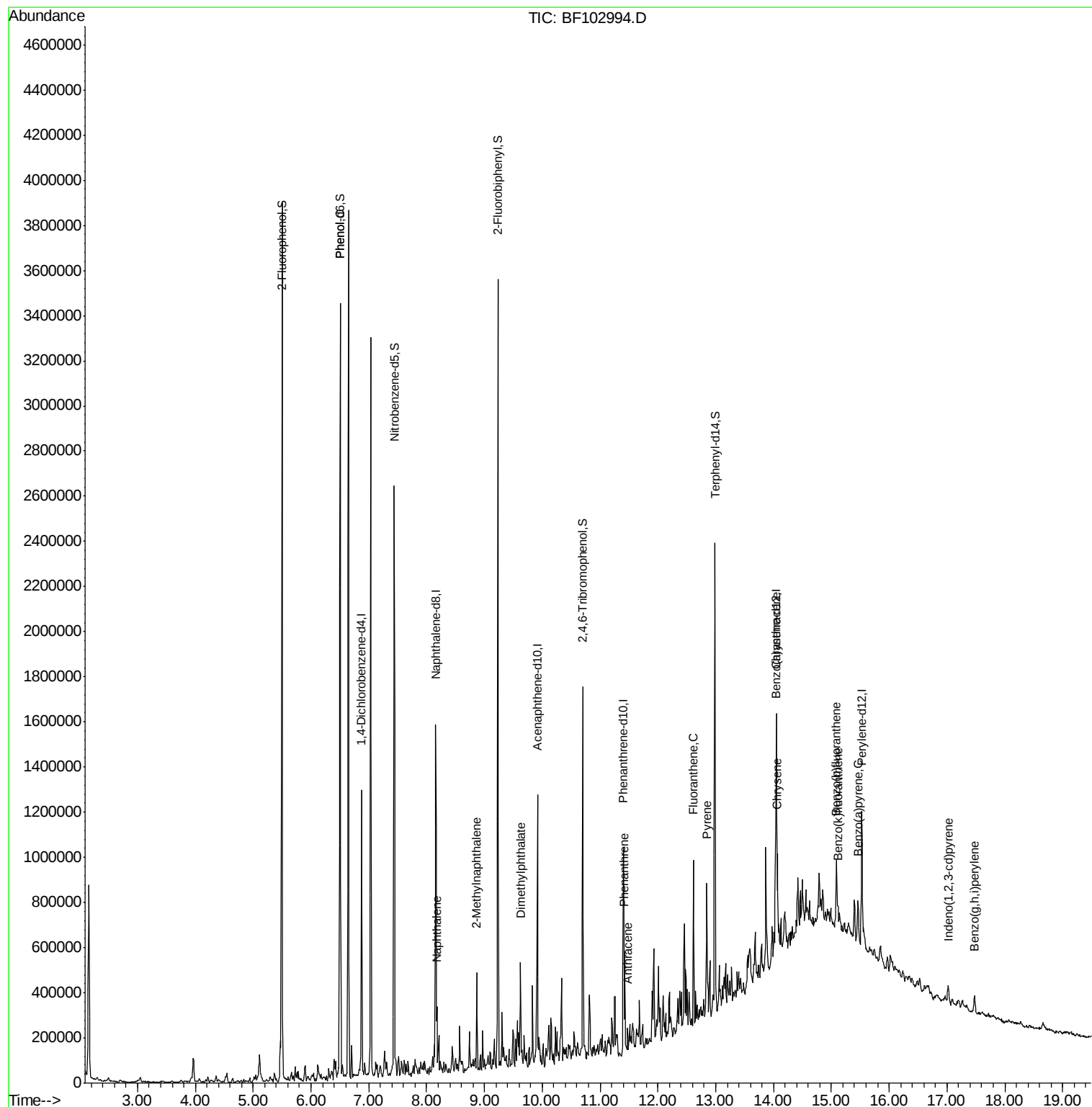
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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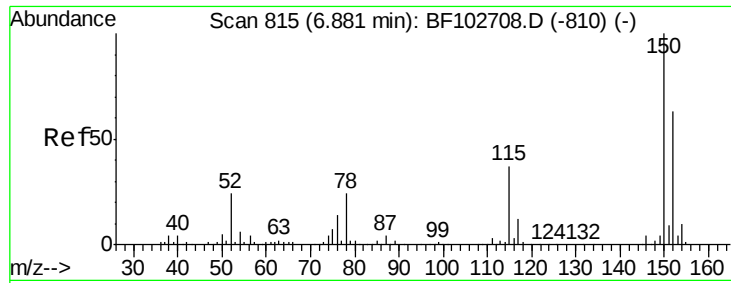
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#1

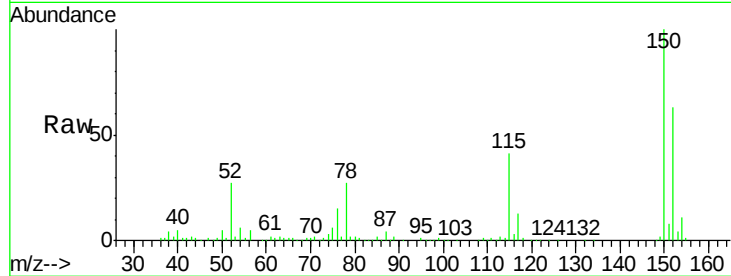
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	65.2	50.1	75.1

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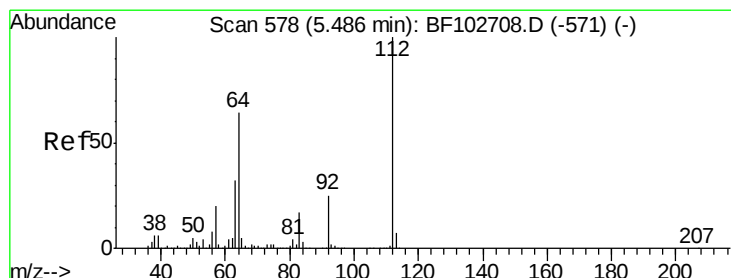
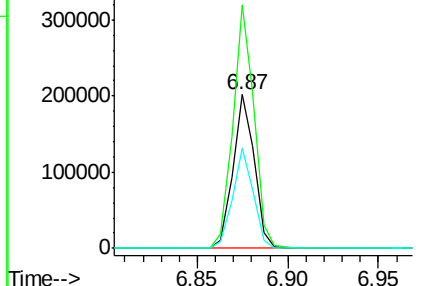
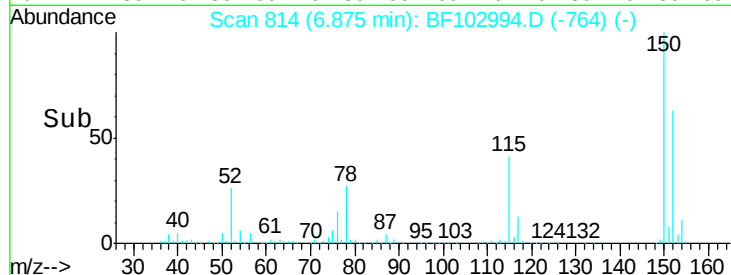


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

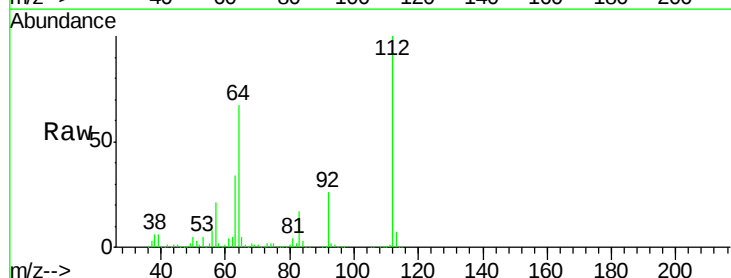
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.510 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	47.9	71.9
63	34.1	23.7	35.5

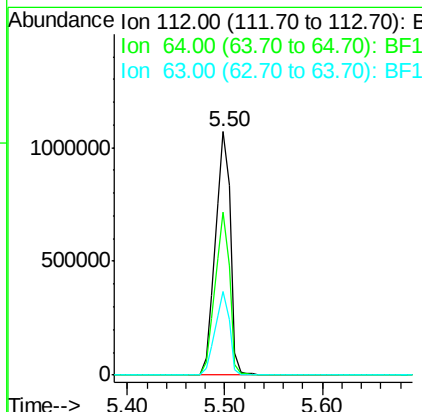
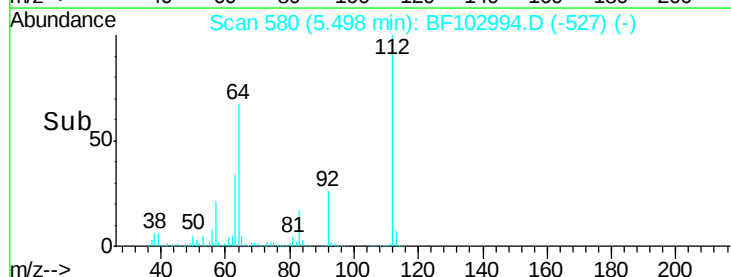


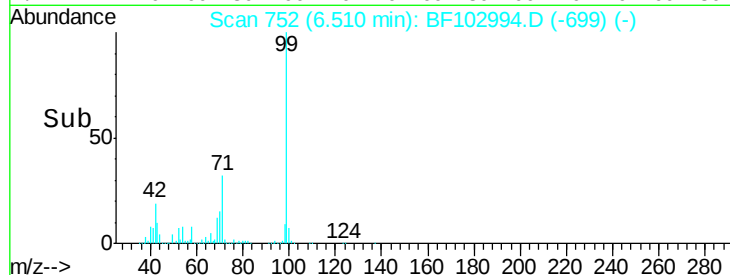
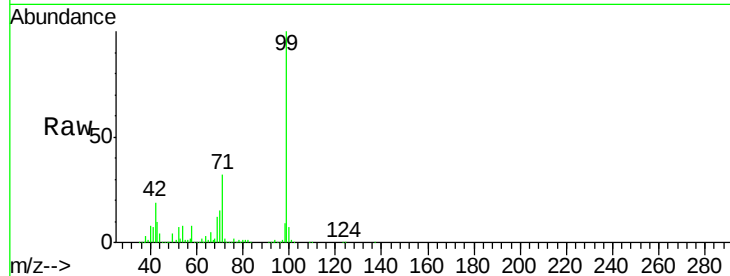
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.124 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Tot Ion:	99	Resp:	1331242
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.0	25.4	38.0

Instrument :

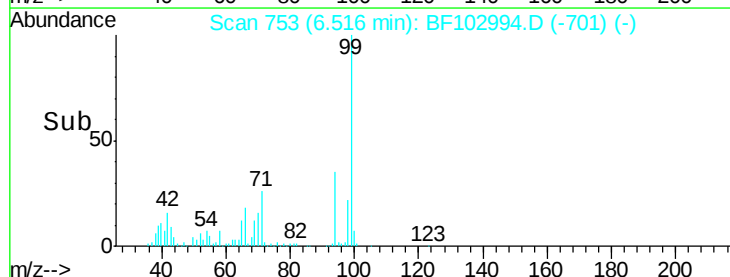
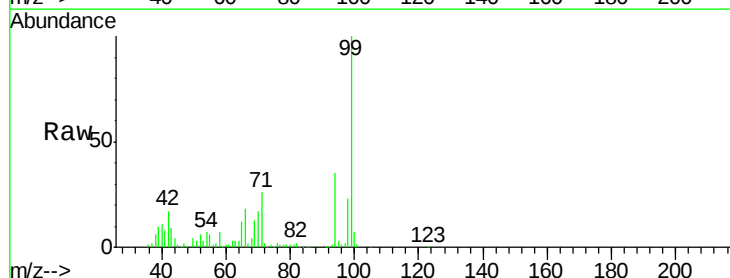
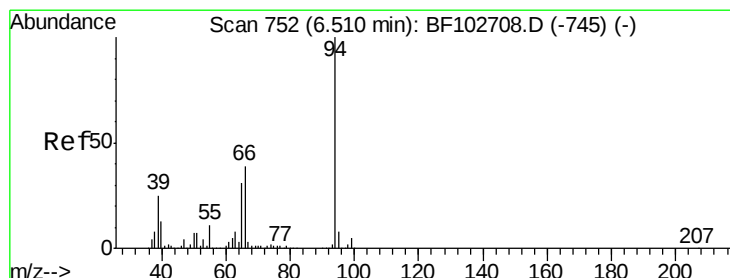
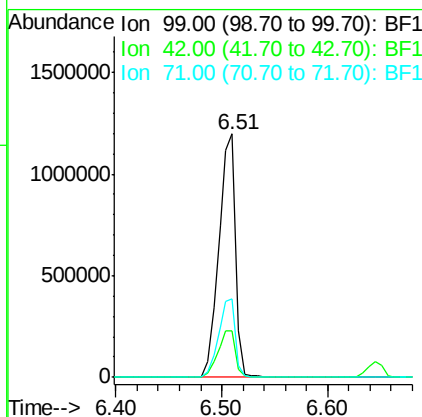
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ClientSampleId :

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#10

Phenol

Concen: 3.756 ng

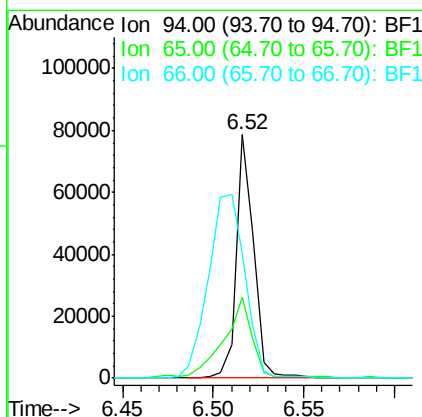
RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Tgt Ion:	94	Resp:	52466
Ion	Ratio	Lower	Upper
94	100		
65	33.2	7.9	47.9
66	51.3	16.2	56.2





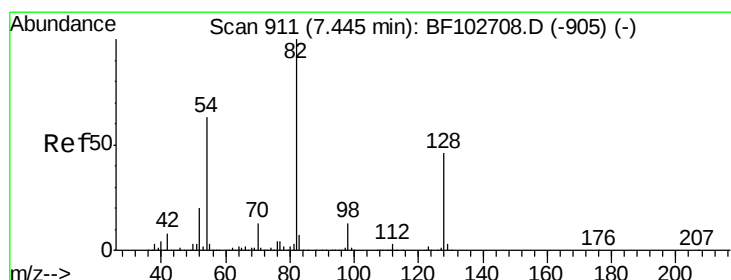
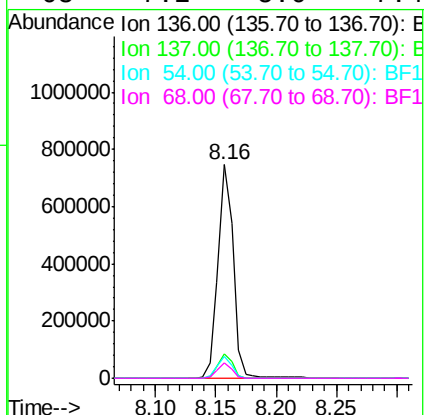
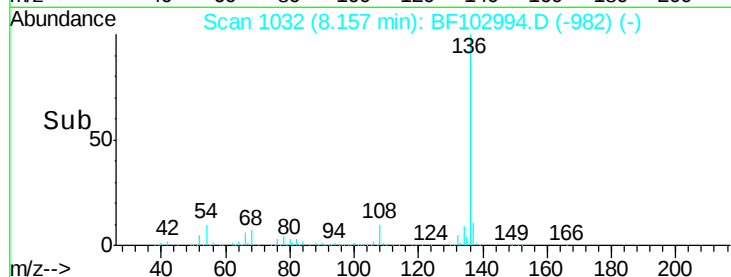
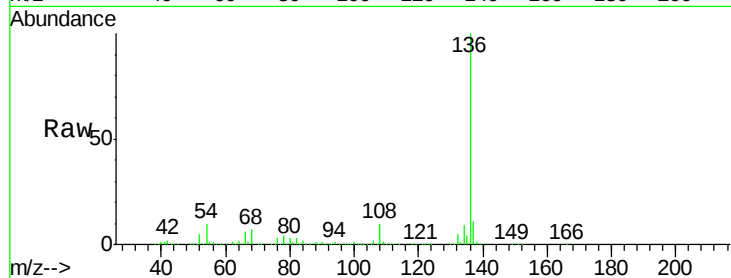
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.2		8.9	13.3	
54	10.3		6.6	9.8	
68	7.2		5.0	7.4	

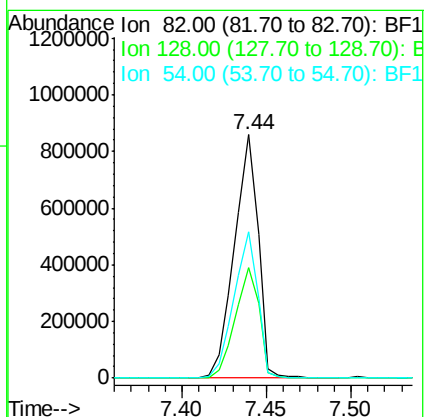
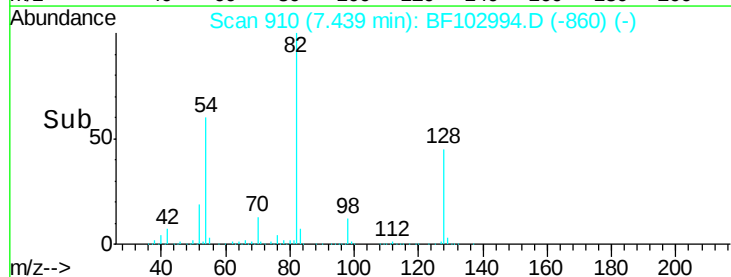
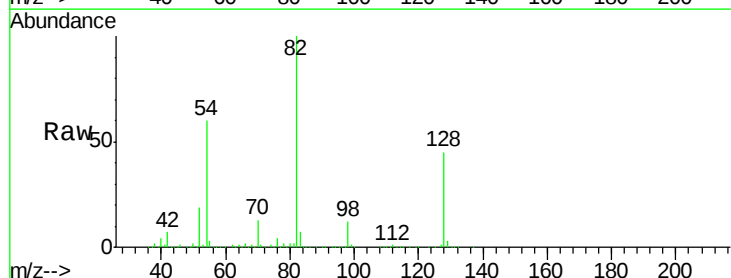
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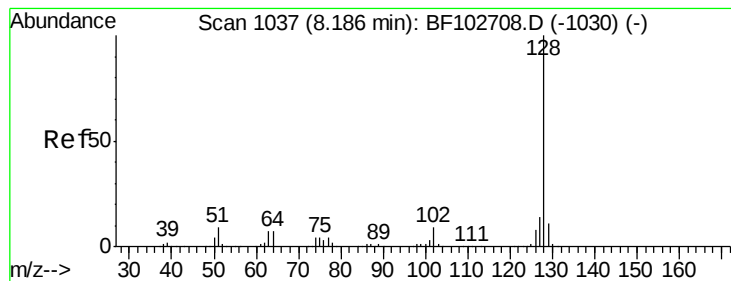
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#23
Nitrobenzene-d5
Concen: 90.308 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.3		36.1	54.1	
54	60.4		41.4	62.2	





#31

Naphthalene

Concen: 2.901 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Instrument :

BNA_F

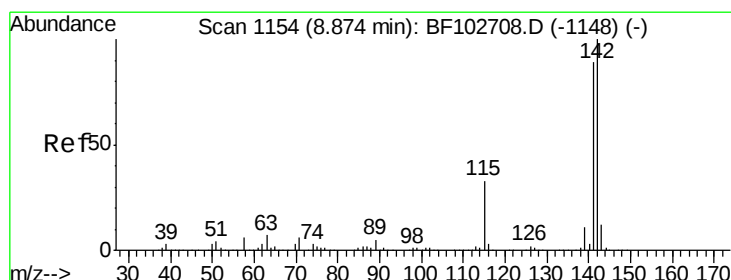
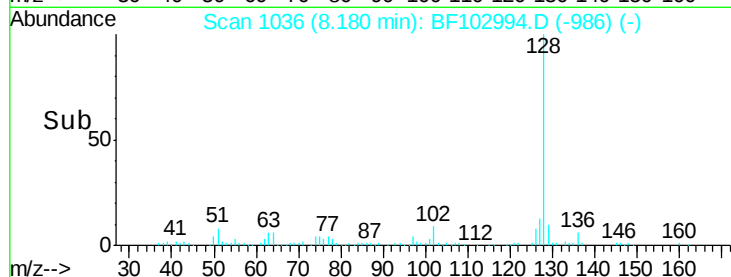
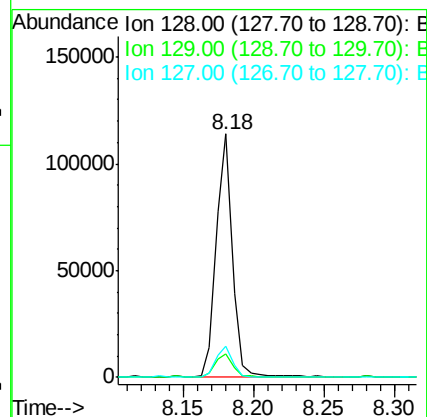
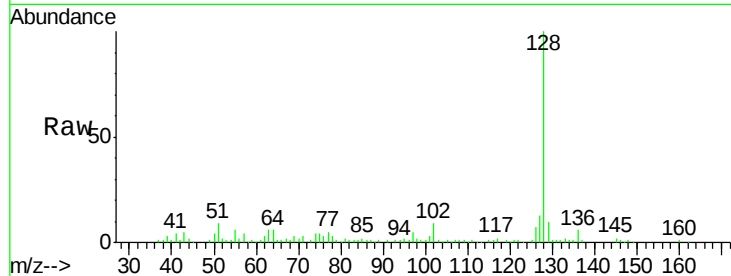
ClientSampleId :

4-15-TRENCH-2-NW-(2-4)

Tot Ion:	128	Resp:	91870
Ion Ratio	Lower	Upper	
128	100		
129	9.7	8.8	13.2
127	12.8	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 5.012 ng

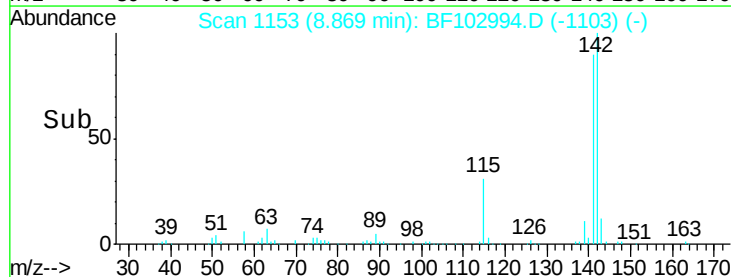
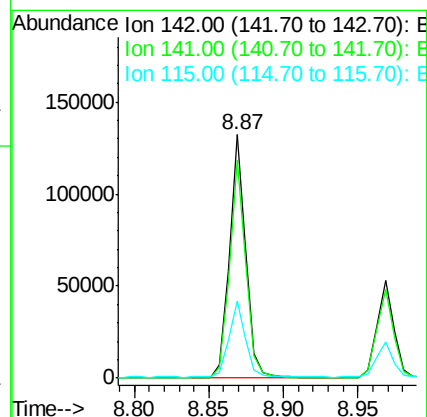
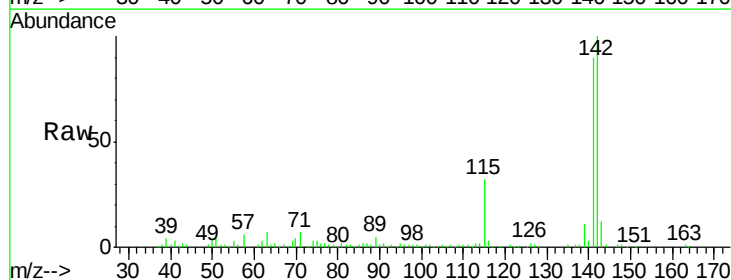
RT: 8.87 min Scan# 1153

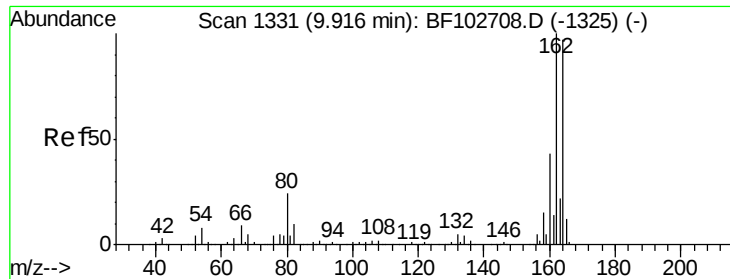
Delta R.T. -0.01 min

Lab File: BF102994.D

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Tgt Ion:	142	Resp:	103919
Ion Ratio	Lower	Upper	
142	100		
141	89.6	70.8	106.2
115	31.5	26.1	39.1





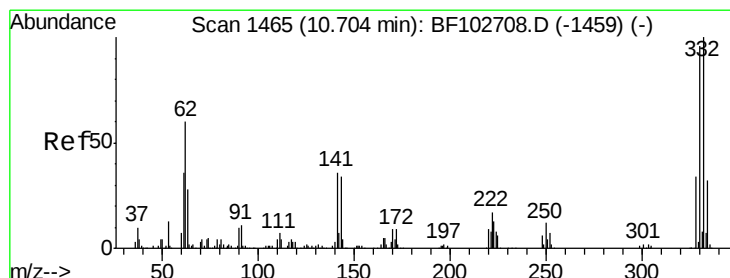
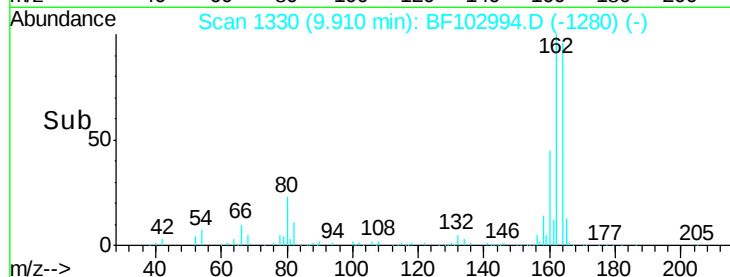
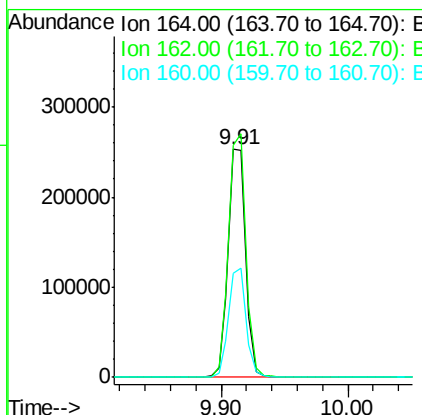
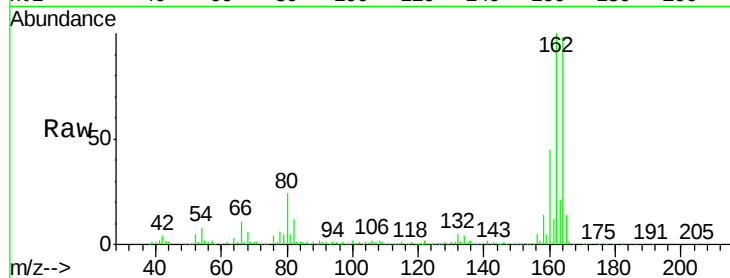
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF102994.D
 Acq: 14 Feb 2018 17:24

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	86.1	129.1	
160	45.5	38.3	57.5	

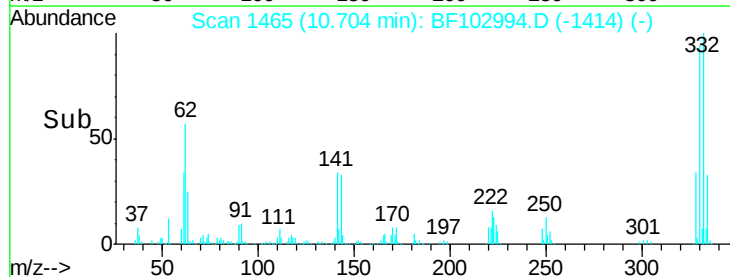
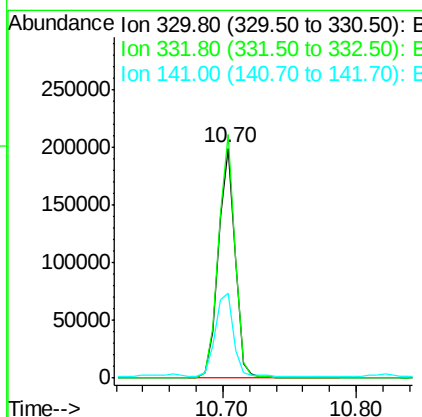
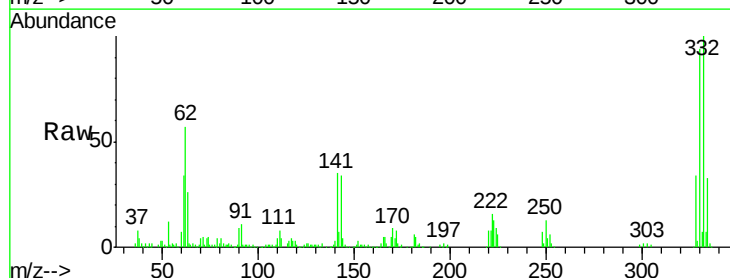
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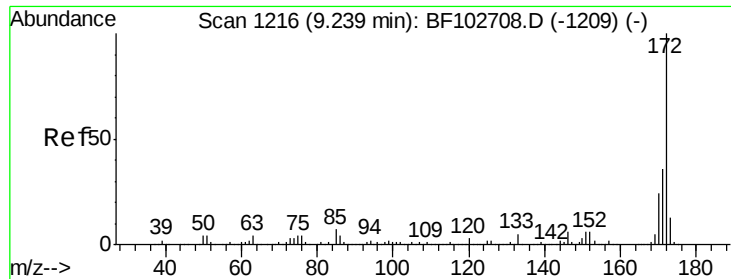
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#41
 2,4,6-Tribromophenol
 Concen: 91.741 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102994.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.3	77.0	115.6	
141	40.9	29.9	44.9	





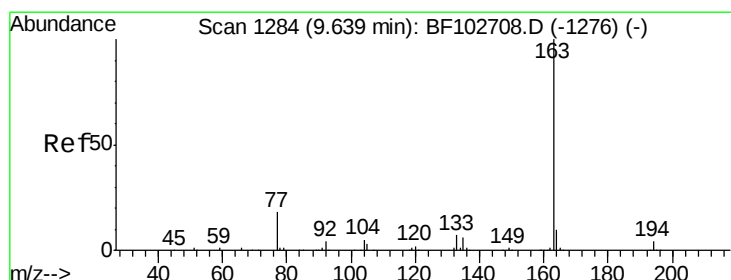
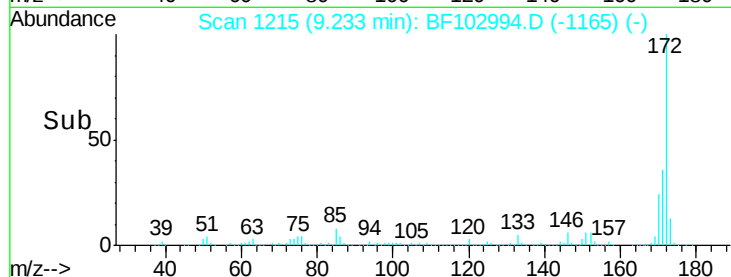
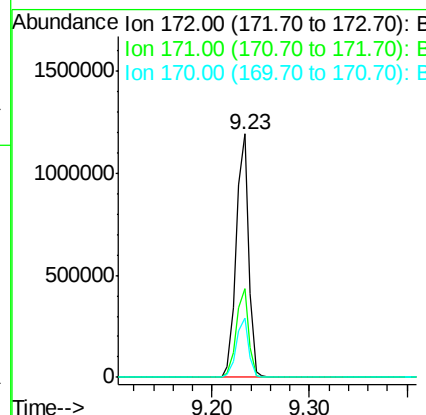
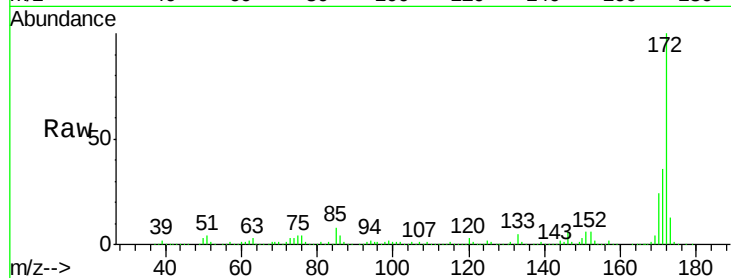
#44
2-Fluorobiphenyl
Concen: 72.425 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	19.6	29.4

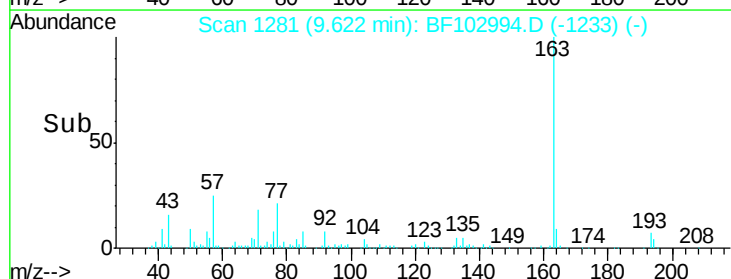
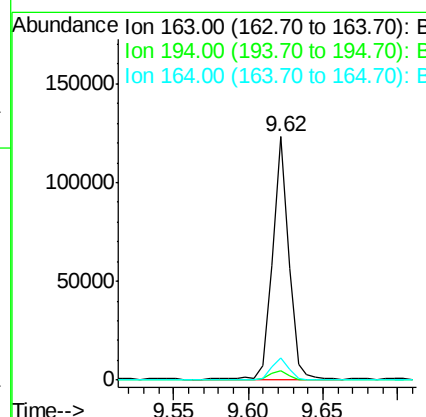
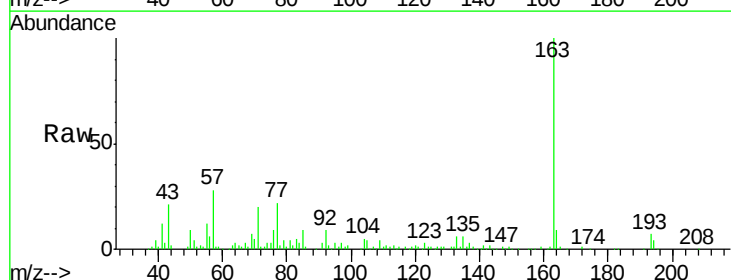
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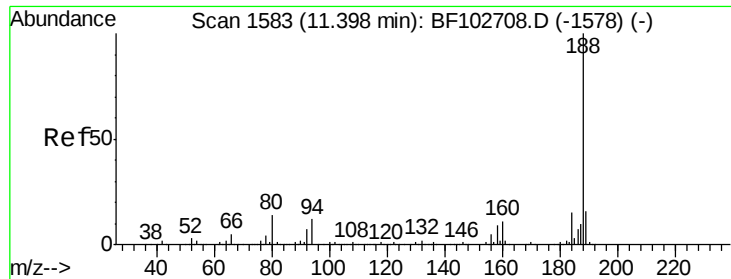
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#49
Dimethylphthalate
Concen: 4.780 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.4	8.2	12.2





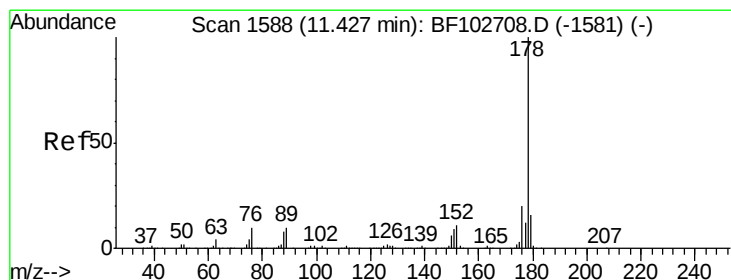
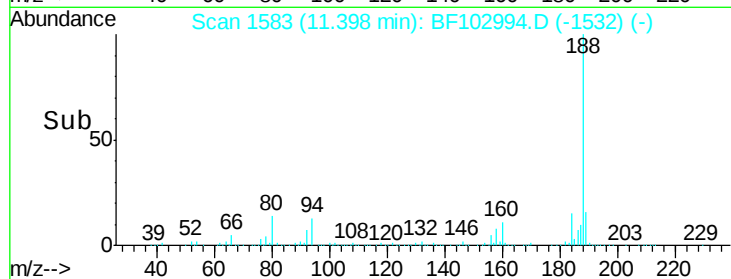
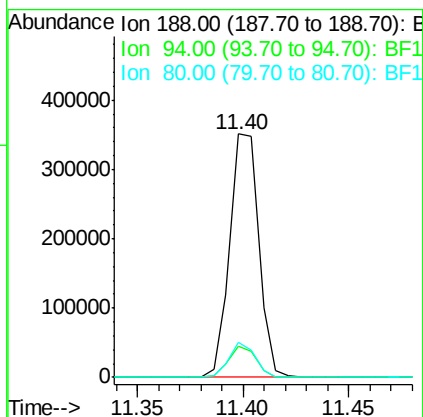
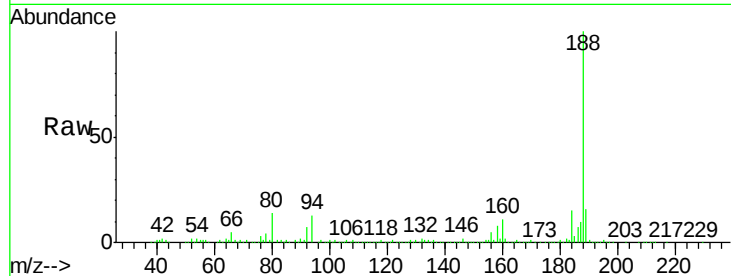
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.9	8.5	12.7#
80	14.1	9.2	13.8#

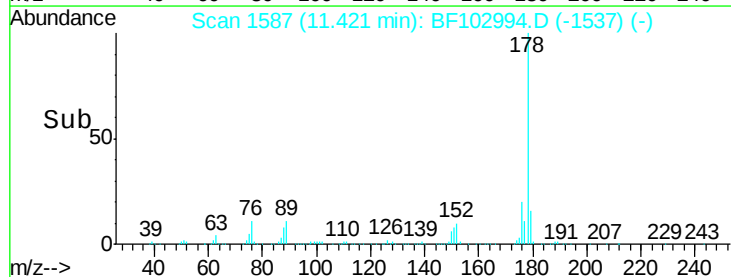
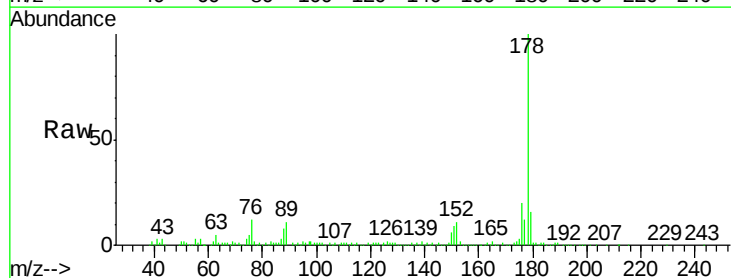
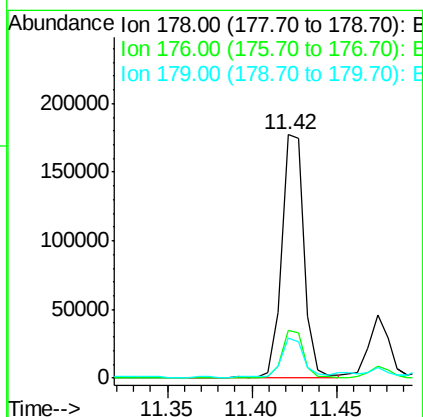
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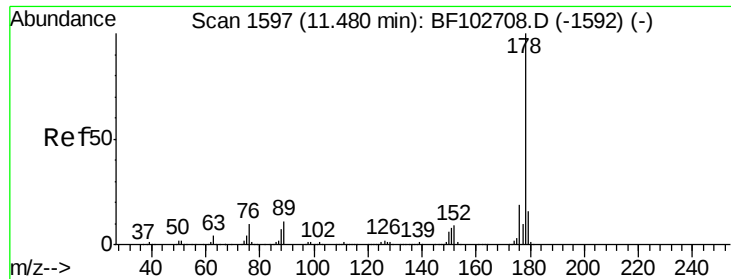
Sohil
2/15/2018 11:06:24 AM



#70
Phenanthrene
Concen: 8.801 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.2	13.0	19.6





#71

Anthracene

Concen: 2.087 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Instrument :

BNA_F

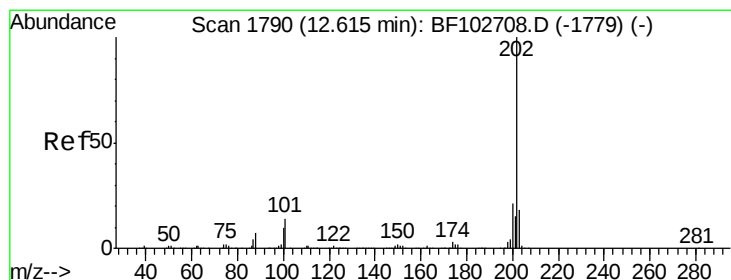
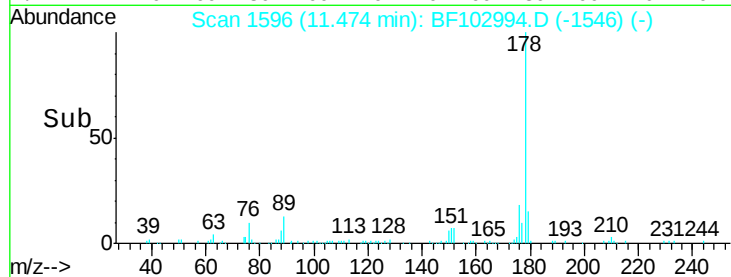
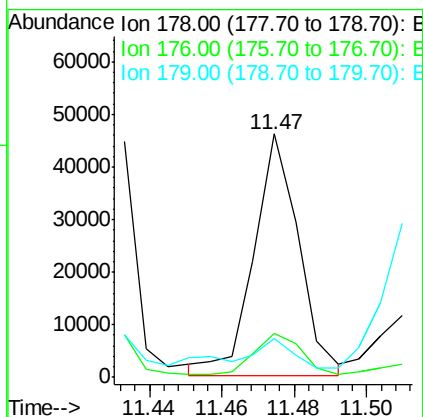
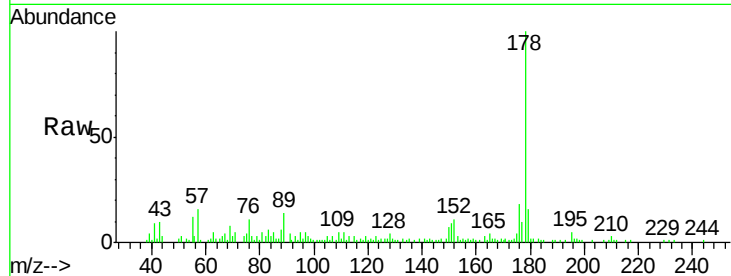
ClientSampleId :

4-15-TRENCH-2-NW-(2-4)

Tot Ion:	178	Resp:	39502
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.2
179	15.8	12.6	19.0

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#74

Fluoranthene

Concen: 11.238 ng

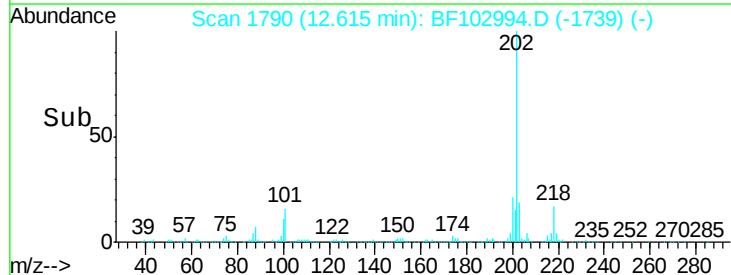
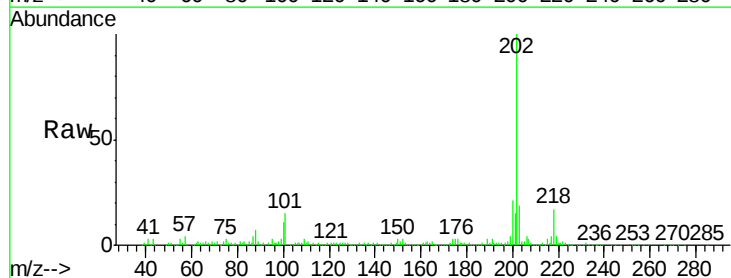
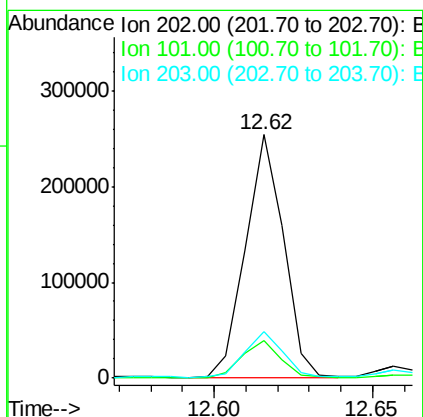
RT: 12.62 min Scan# 1790

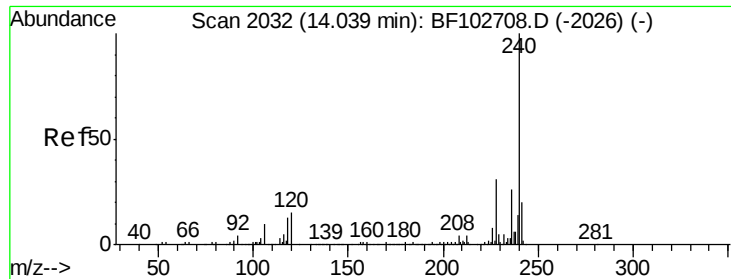
Delta R.T. 0.00 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Tgt Ion:	202	Resp:	210432
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	34.1
203	19.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Instrument :

BNA_F

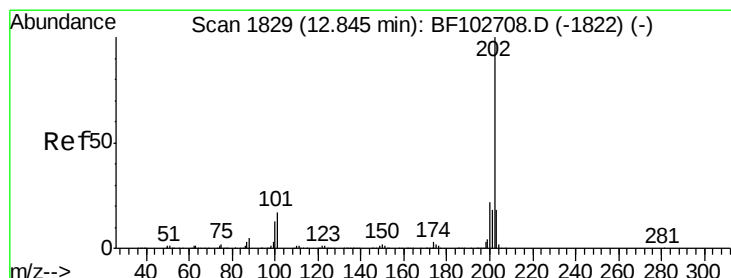
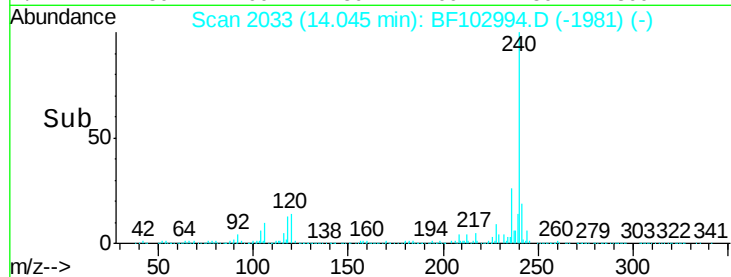
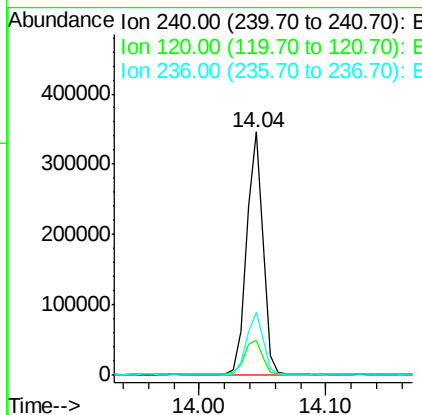
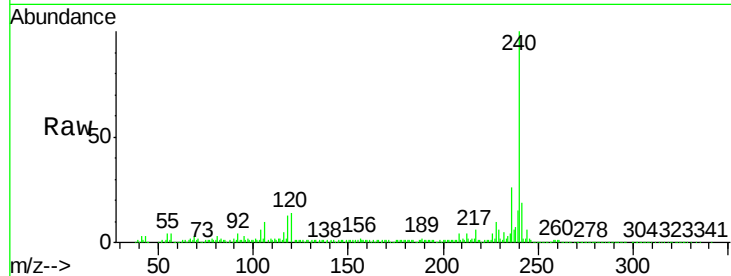
ClientSampleId :

4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.4	9.5	14.3	
236	26.0	20.7	31.1	

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#77

Pyrene

Concen: 8.327 ng

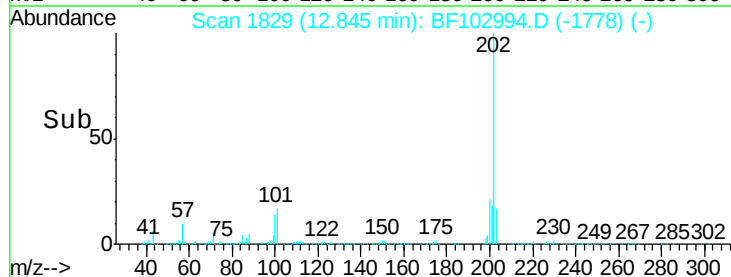
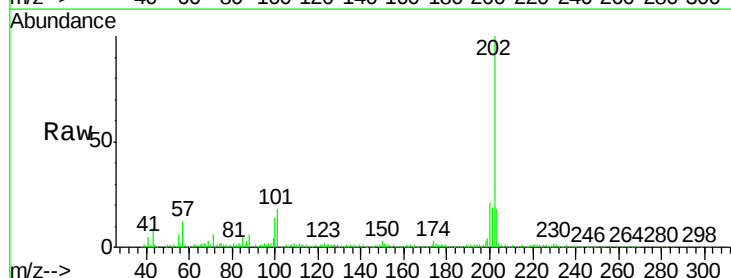
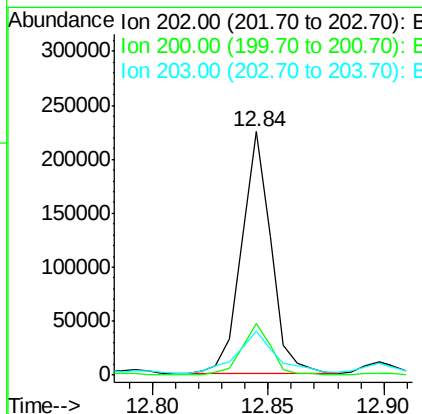
RT: 12.84 min Scan# 1829

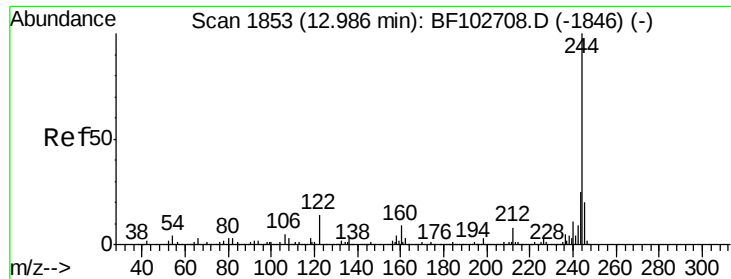
Delta R.T. 0.00 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.4	26.2	
203	18.3	14.3	21.5	





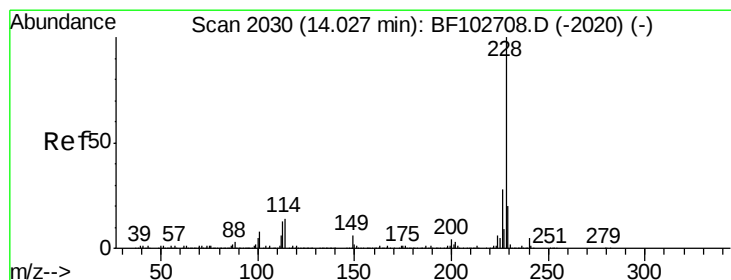
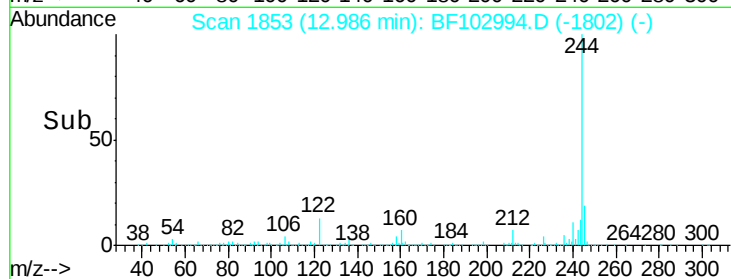
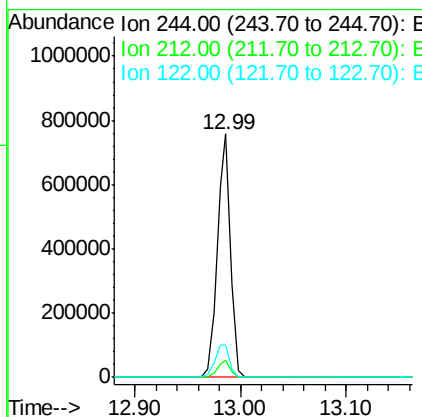
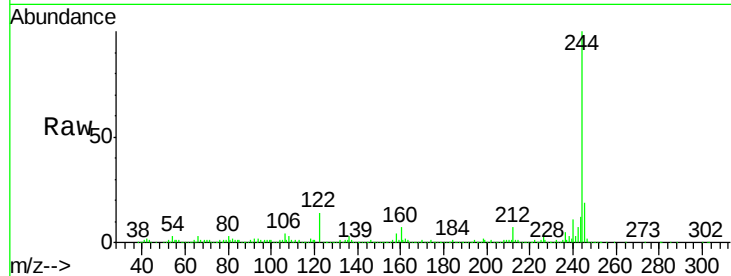
#78
 Terphenyl-d14
 Concen: 51.878 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF102994.D
 Acq: 14 Feb 2018 17:24

Instrument :
 BNA_F
 ClientSampleId :
 4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.6	11.0	16.4

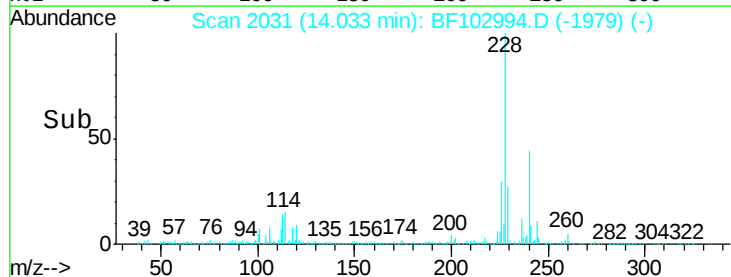
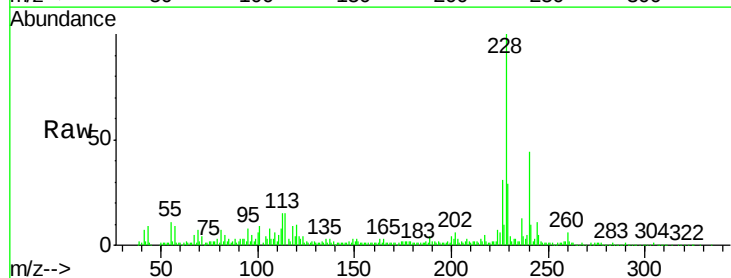
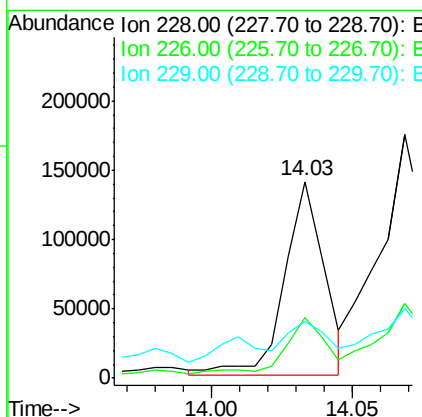
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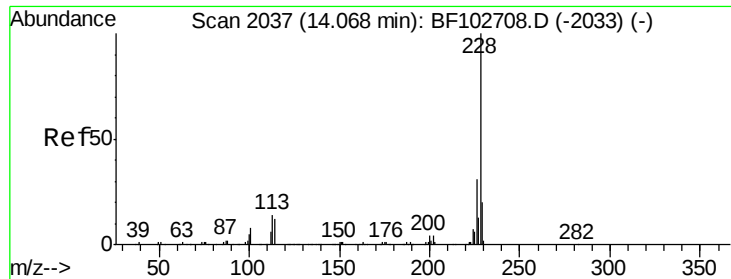
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#80
 Benzo(a)anthracene
 Concen: 7.214 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: BF102994.D
 Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	29.0	15.8	23.6





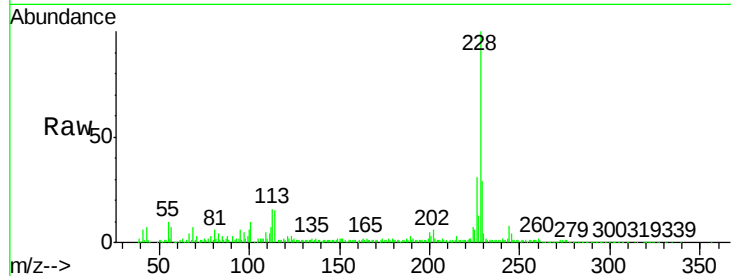
#82
Chrysene
Concen: 10.613 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-NW-(2-4)

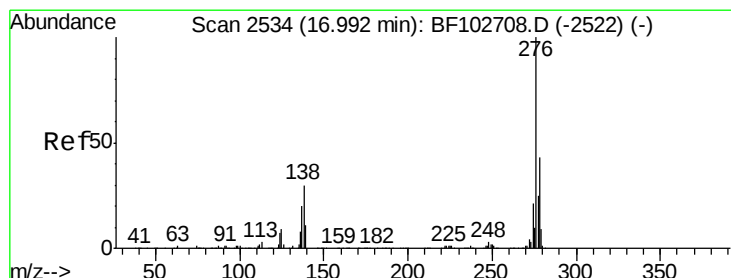
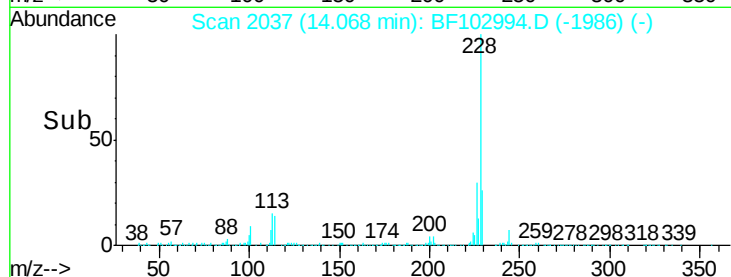
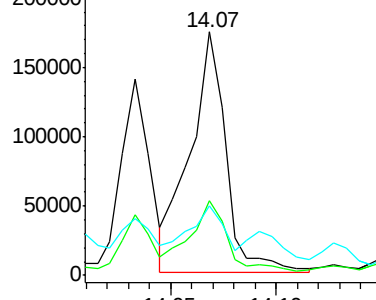
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	28.7	16.2	24.4

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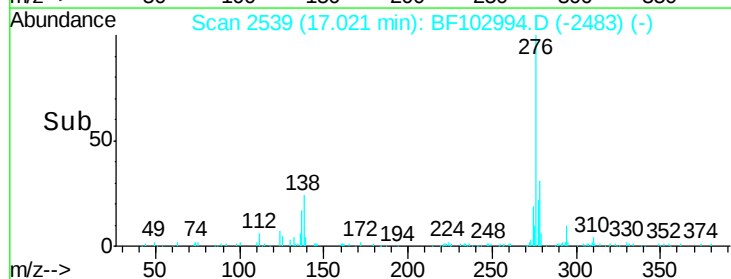
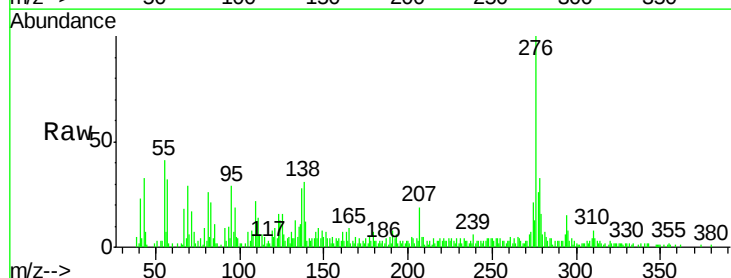
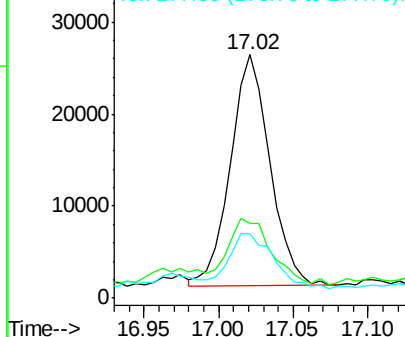
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

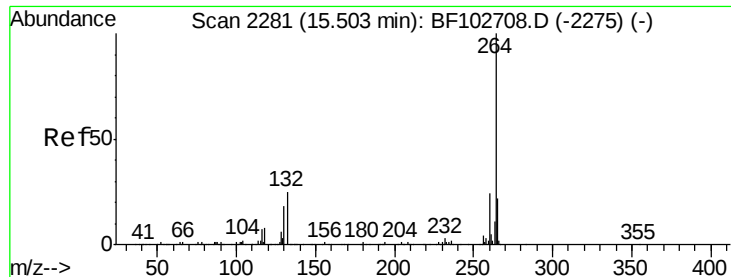


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.873 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.03 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.5	25.0	37.6
277	27.2	20.1	30.1

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





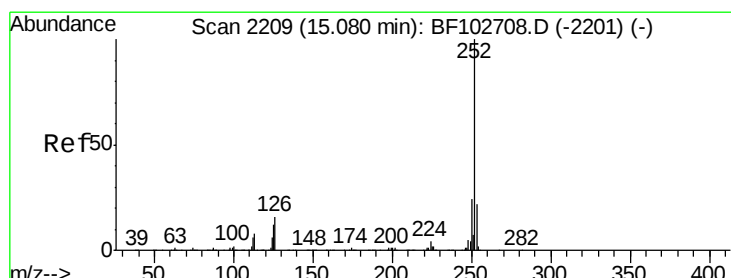
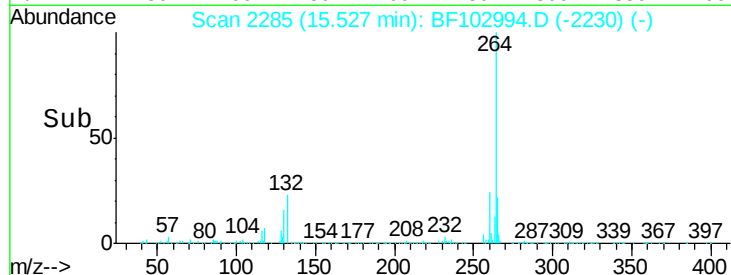
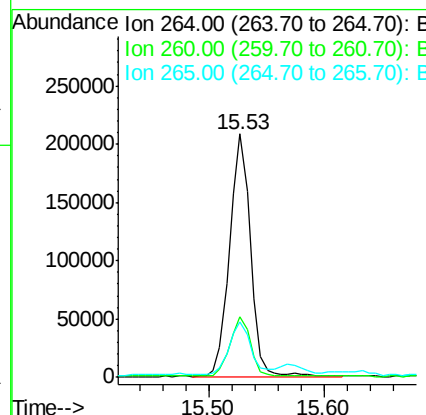
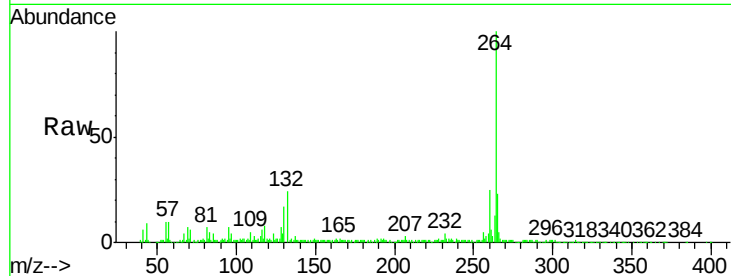
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-NW-(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	259289		
260	24.8	19.2	28.8	
265	23.0	17.5	26.3	

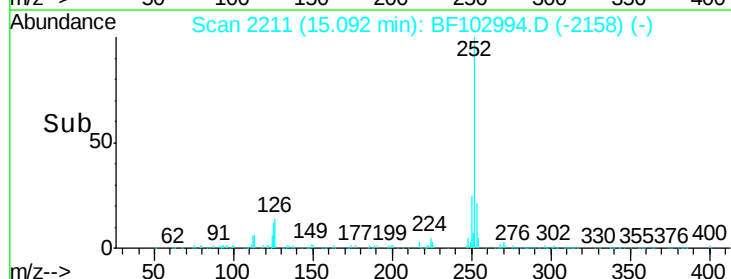
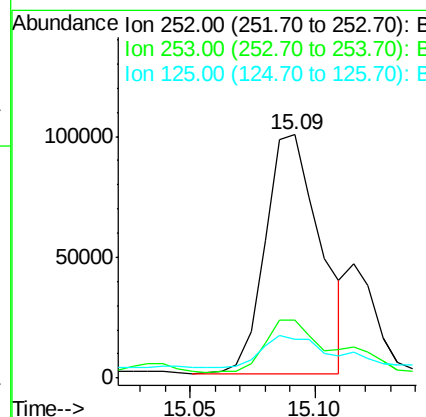
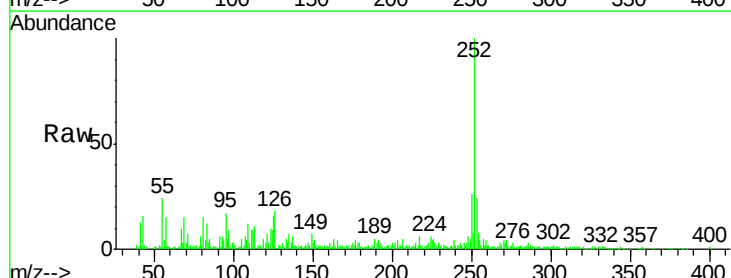
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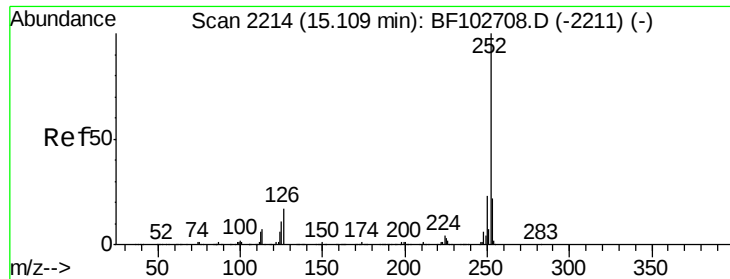
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#87
Benzo(b)fluoranthene
Concen: 9.102 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	153014		
253	24.0	17.0	25.6	
125	16.2	9.0	13.6	





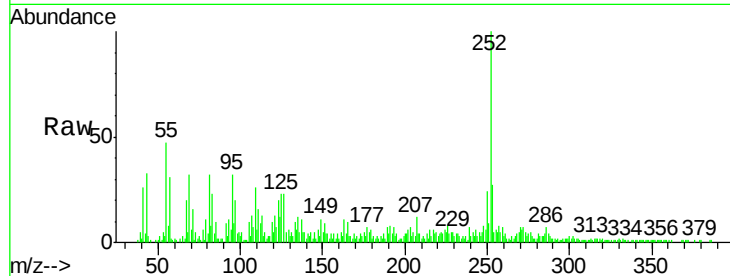
#88
Benzo(k)fluoranthene
Concen: 2.390 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Instrument :
BNA_F
ClientSampleId :
4-15-TRENCH-2-NW-(2-4)

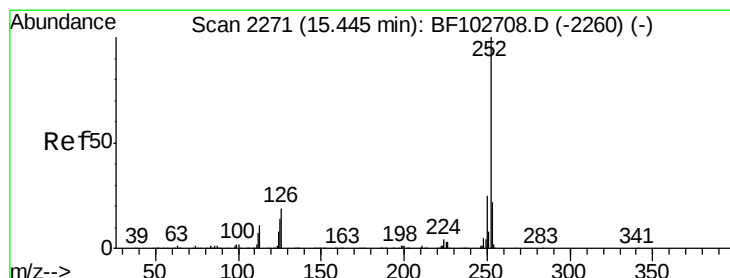
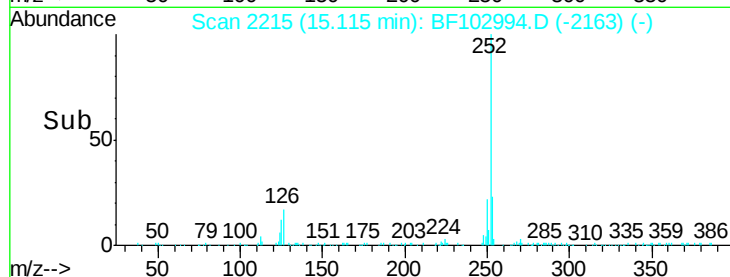
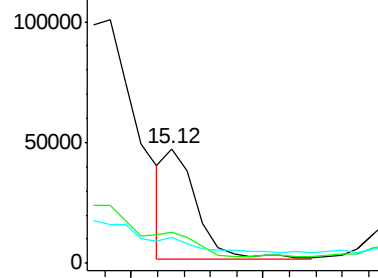
Tot Ion	Ratio	Resp	Lower	Upper
252	100	38394		
253	27.1	17.9	26.9#	
125	22.7	10.2	15.2#	

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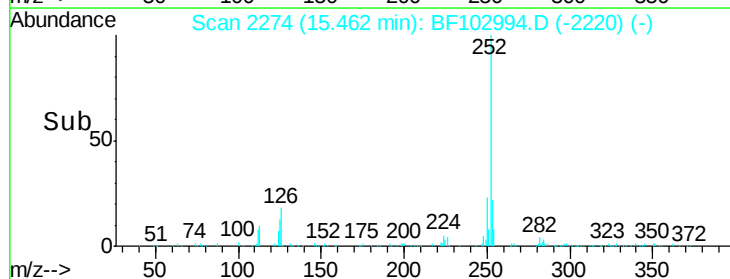
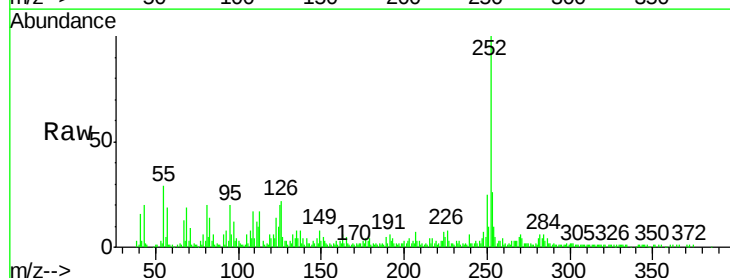
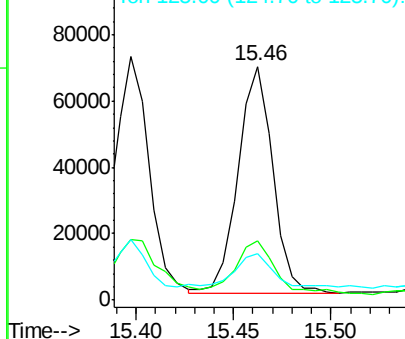
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

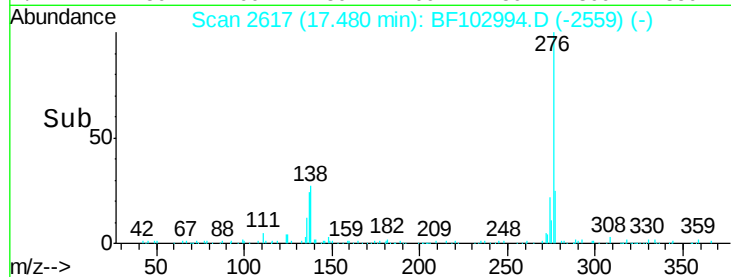
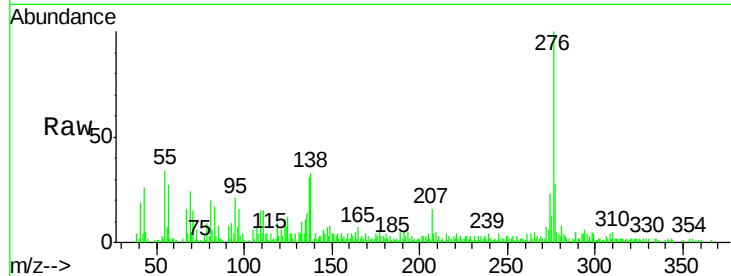
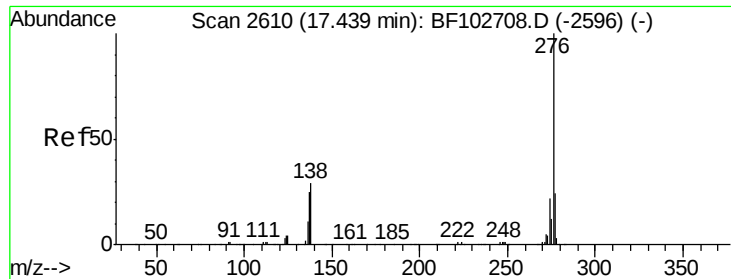


#89
Benzo(a)pyrene
Concen: 5.580 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF102994.D
Acq: 14 Feb 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	84442		
253	25.5	17.1	25.7	
125	20.1	9.8	14.6#	

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





#91

Benzo(a,h,i)perylene

Concen: 4.810 ng

RT: 17.48 min Scan# 2617

Delta R.T. 0.04 min

Lab File: BF102994.D

Acq: 14 Feb 2018 17:24

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	32.8	21.8	32.8#

Instrument :

BNA_F

ClientSampleId :

4-15-TRENCH-2-NW-(2-4)

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