

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
 Data File : BF100260.D
 Acq On : 6 Nov 2017 19:33
 Operator : SJ/JU
 Sample : I6181-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
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Quant Time: Nov 07 01:35:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 13:31:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	101613	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	385144	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	176109	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	297765	20.00	ng	0.00
75) Chrysene-d12	13.94	240	180764	20.00	ng	0.00
86) Perylene-d12	15.40	264	168159	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	57388	8.87	ng	0.06
7) Phenol-d6	6.45	99	80935	10.55	ng	0.03
23) Nitrobenzene-d5	7.35	82	53781	8.99	ng	0.01
41) 2,4,6-Tribromophenol	10.60	330	16499	10.28	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	108399	9.50	ng	0.00
78) Terphenyl-d14	12.87	244	91991	11.12	ng	0.00
Target Compounds						
31) Naphthalene	8.07	128	111909	6.019	ng	Qvalue # 94
37) 2-Methylnaphthalene	8.76	142	414083	33.236	ng	98
45) 1,1'-Biphenyl	9.22	154	79947	5.018	ng	96
51) Acenaphthene	9.83	154	26847	2.466	ng	# 61
57) Fluorene	10.35	166	74803	5.878	ng	# 90
70) Phenanthrene	11.32	178	195303	11.622	ng	95
77) Pyrene	12.75	202	30316	2.206	ng	# 67

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

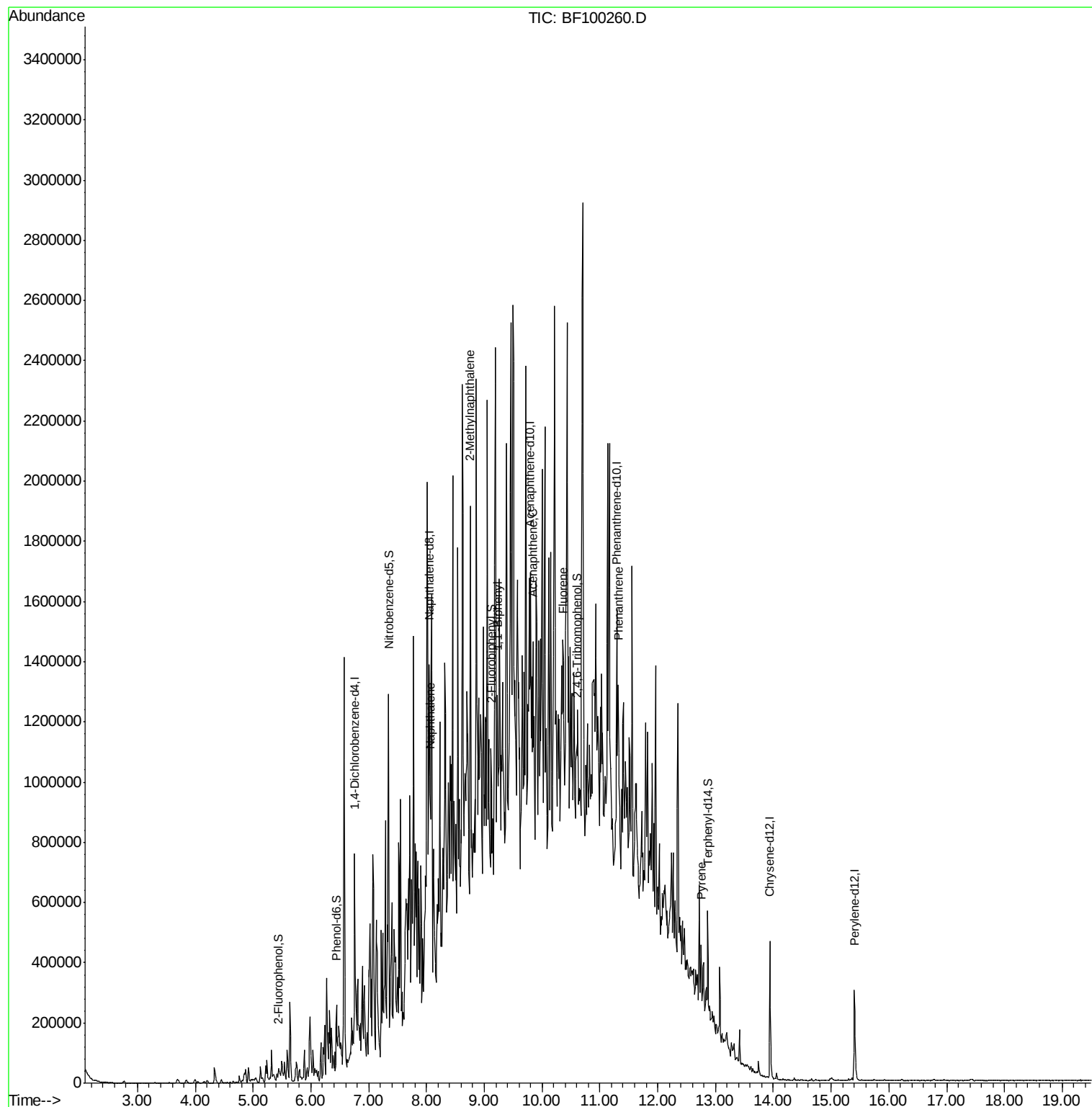
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
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ALS Vial : 8 Sample Multiplier: 1

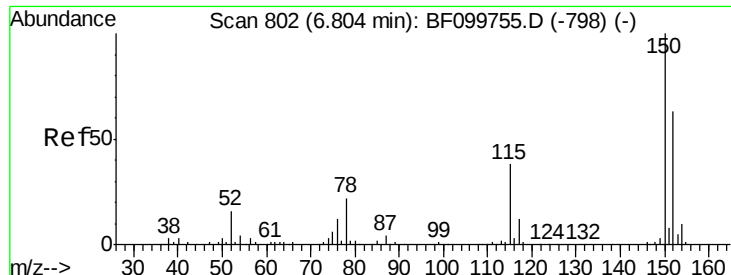
Instrument :
BNA_F
ClientSampleId :
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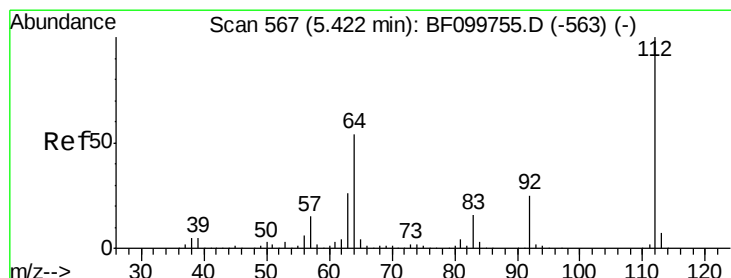
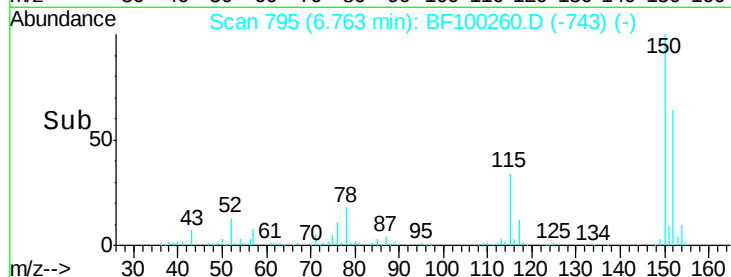
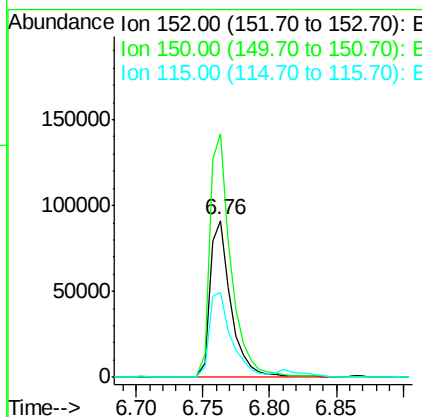
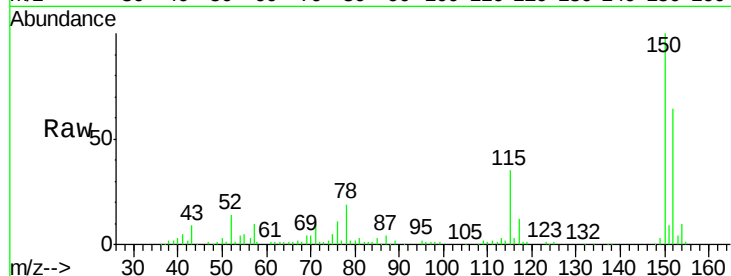
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: BF100260.D
 Acq: 6 Nov 2017 19:33

Instrument :
 BNA_F
 ClientSampled :
 WASTE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	54.1	50.1	75.1

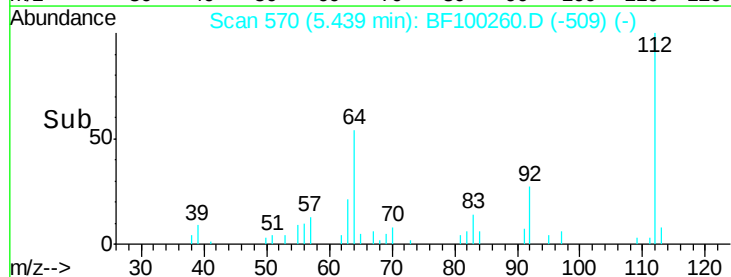
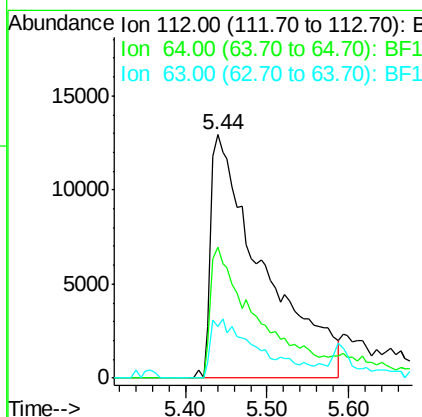
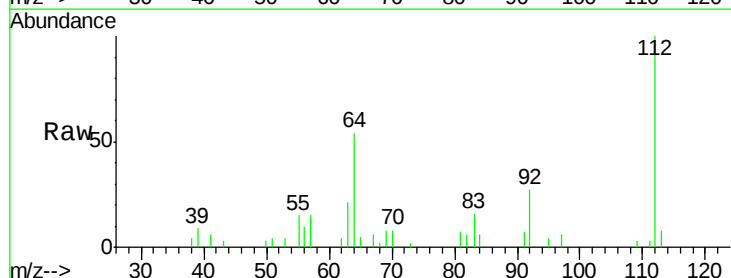
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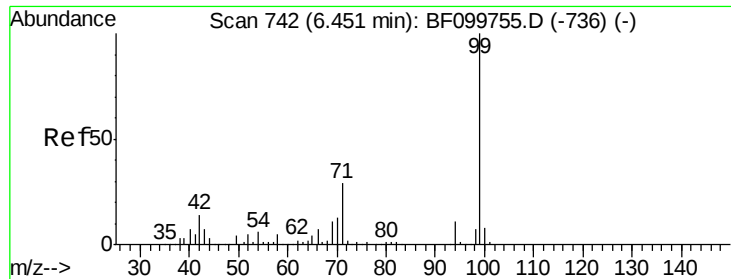
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#5
 2-Fluorophenol
 Concen: 8.867 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.06 min
 Lab File: BF100260.D
 Acq: 6 Nov 2017 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	47.9	71.9
63	21.0	23.7	35.5#





#7

Phenol-d6

Concen: 10.546 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.03 min

Lab File: BF100260.D

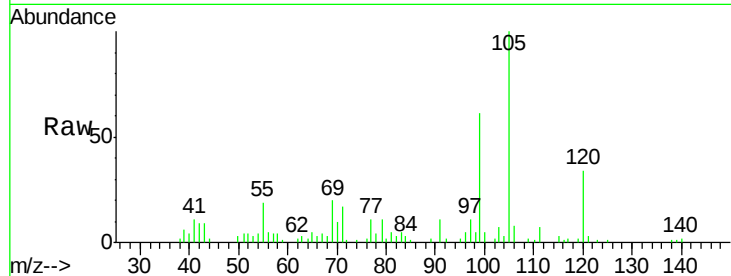
Acq: 6 Nov 2017 19:33

Instrument :

BNA_F

ClientSampled :

WASTE



Tgt Ion: 99 Resp: 80935

Ion Ratio Lower Upper

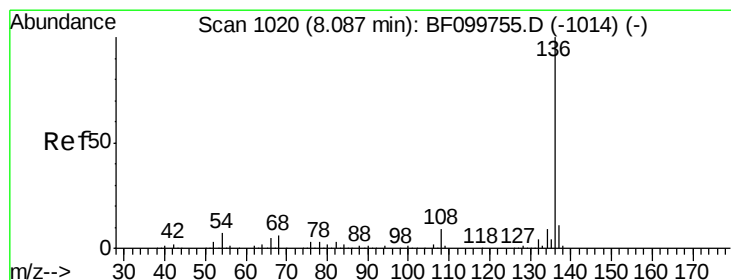
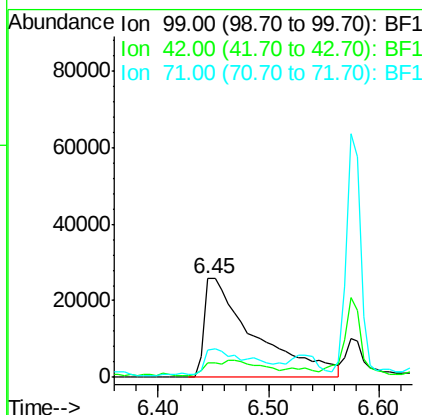
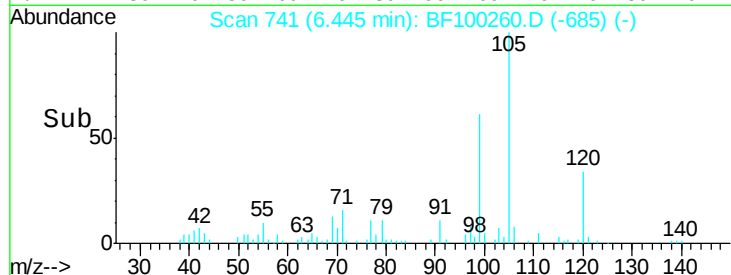
99 100

42 14.1 14.5 21.7#

71 28.0 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BF100260.D

Acq: 6 Nov 2017 19:33

Tgt Ion: 136 Resp: 385144

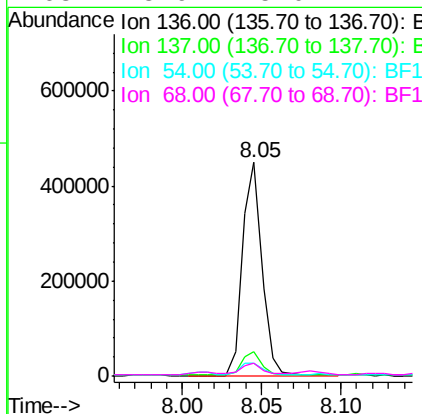
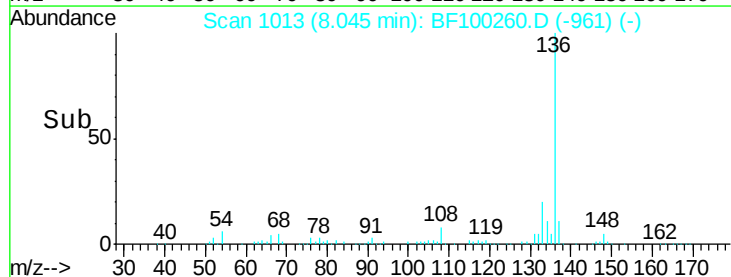
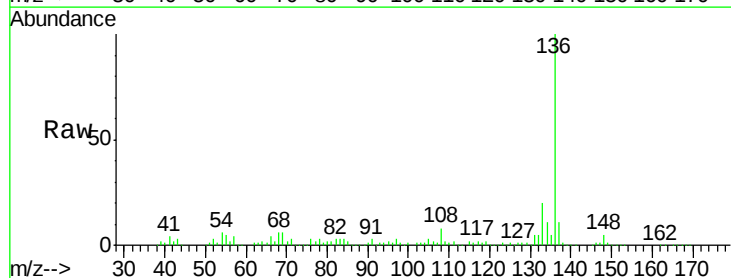
Ion Ratio Lower Upper

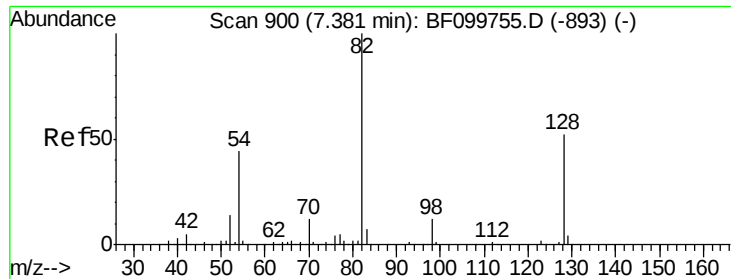
136 100

137 11.3 8.9 13.3

54 6.3 6.6 9.8#

68 5.9 5.0 7.4





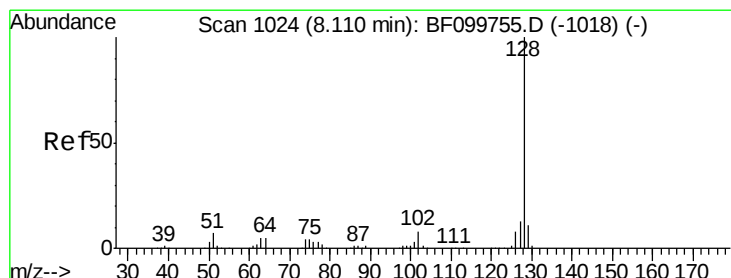
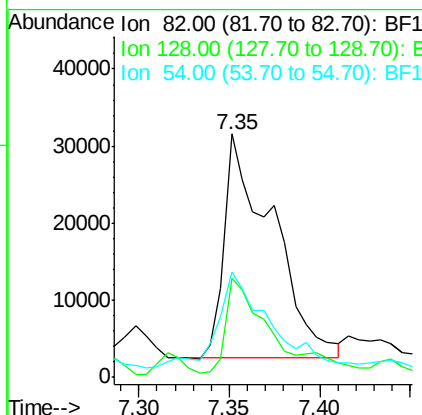
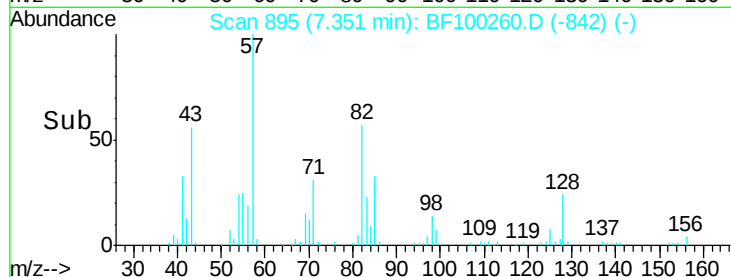
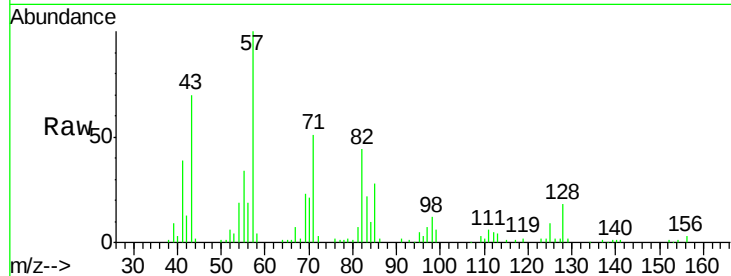
#23
Nitrobenzene-d5
Concen: 8.990 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Instrument :
BNA_F
ClientSampled :
WASTE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	43.3	41.4	62.2

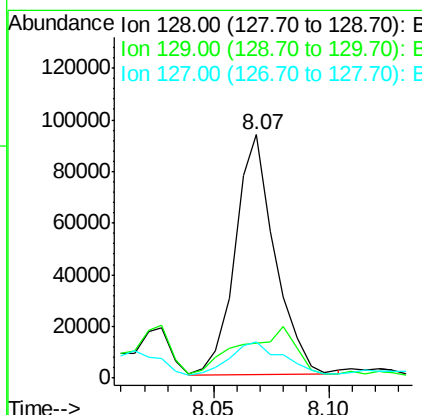
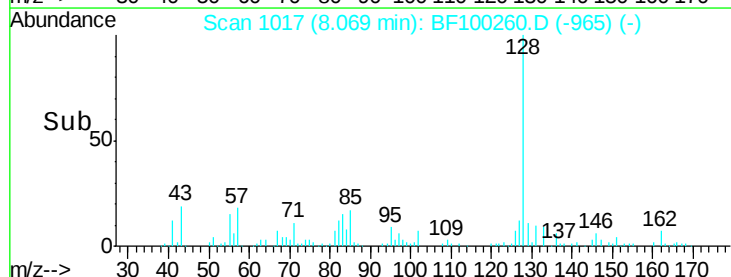
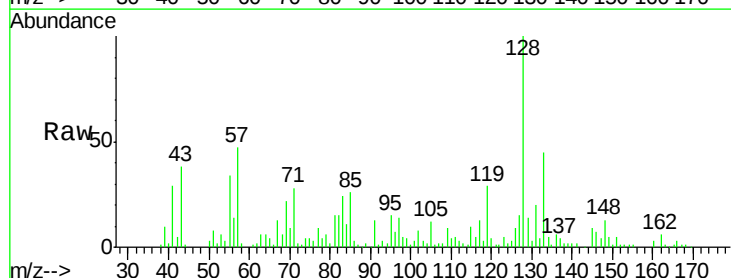
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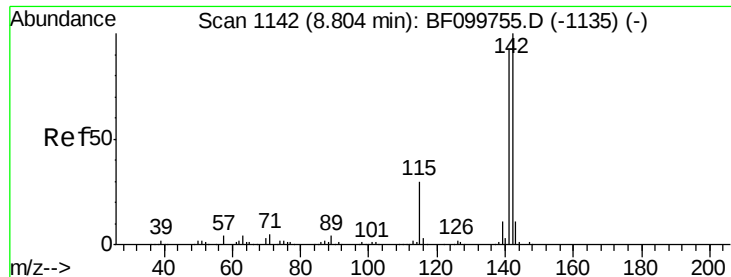
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#31
Naphthalene
Concen: 6.019 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.01 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.2	8.8	13.2#
127	14.9	10.9	16.3





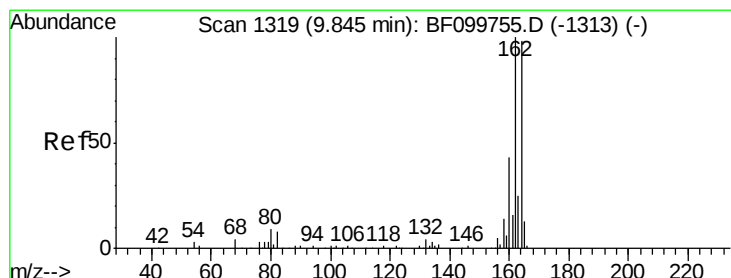
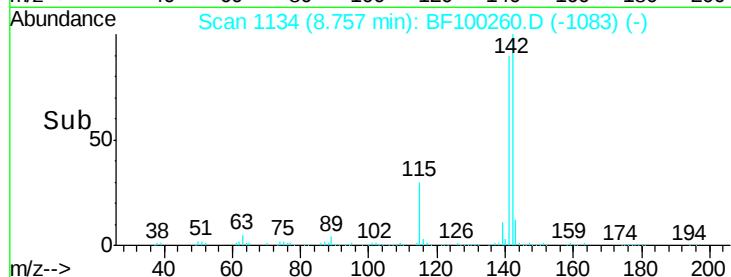
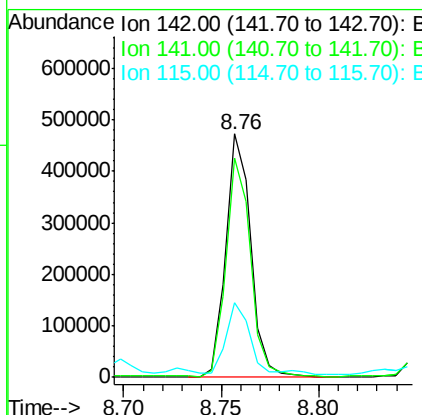
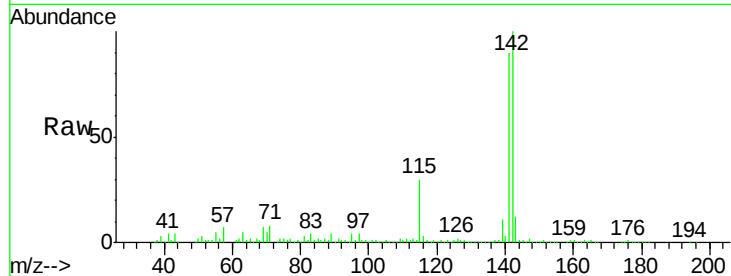
#37
2-Methylnaphthalene
Concen: 33.236 ng
RT: 8.76 min Scan# 1134
Delta R.T. -0.00 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	30.5	26.1	39.1

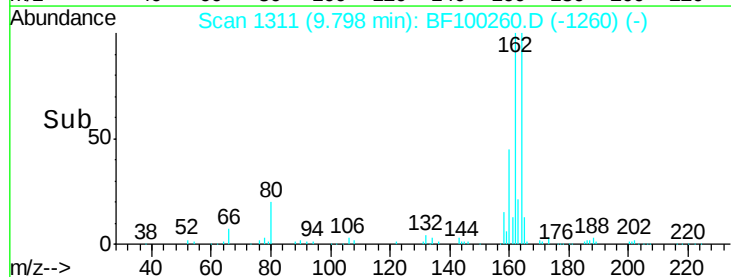
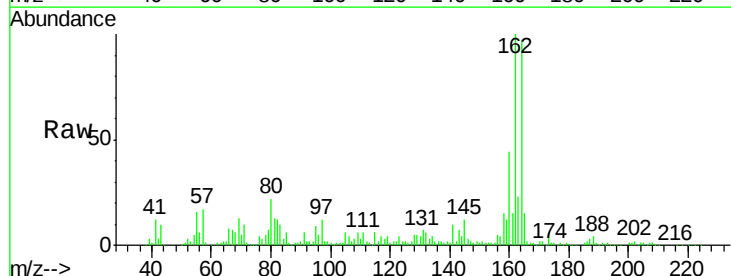
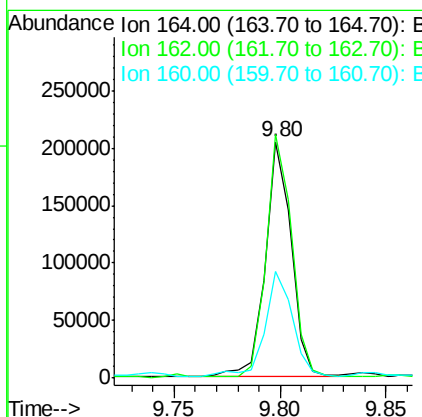
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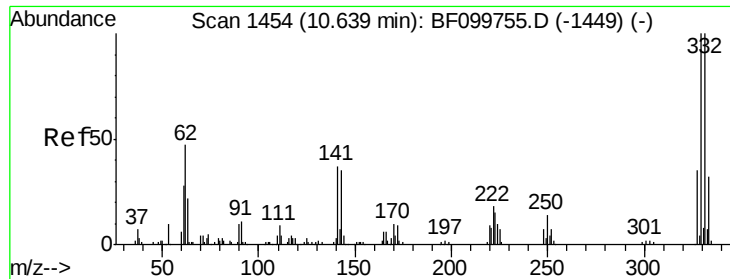
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	45.4	38.3	57.5





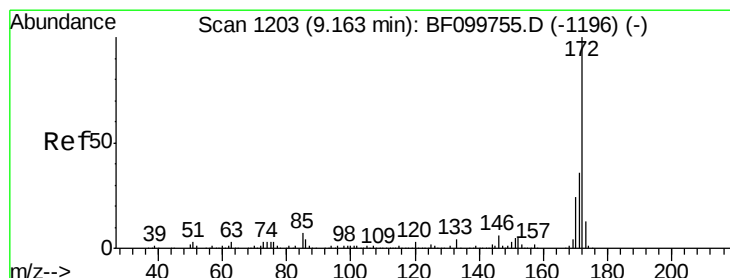
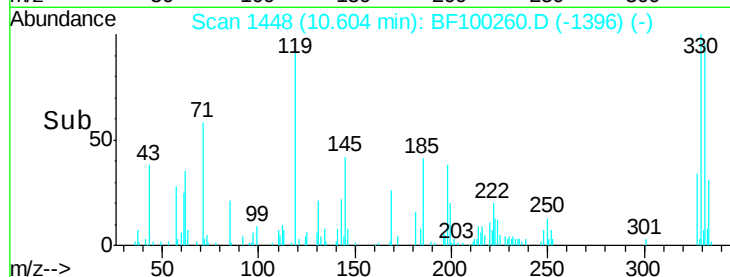
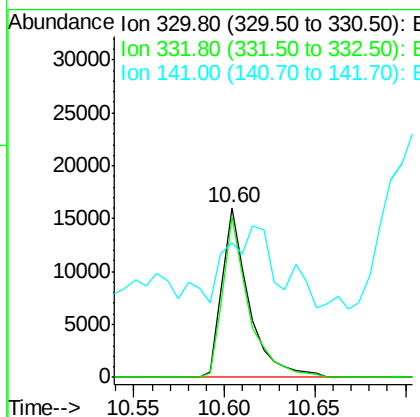
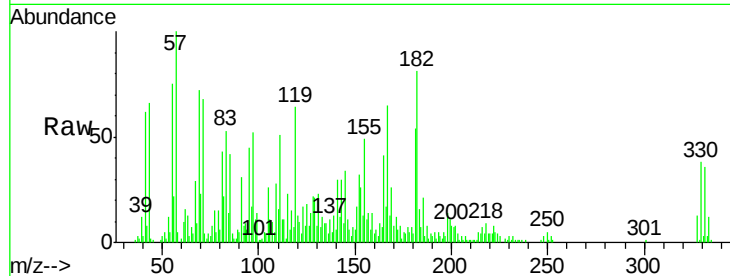
#41
 2,4,6-Tribromophenol
 Concen: 10.280 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BF100260.D
 Acq: 6 Nov 2017 19:33

Instrument :
 BNA_F
 ClientSampled :
 WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	16499		
332	92.0	77.0	115.6	
141	68.3	29.9	44.9#	

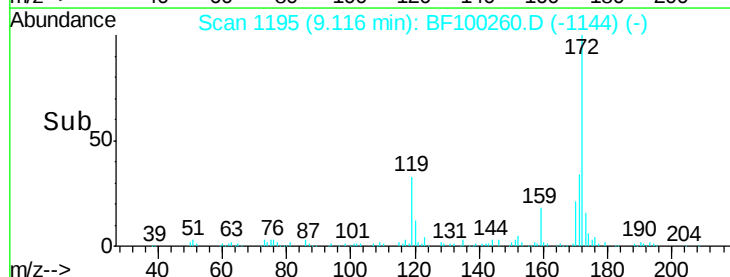
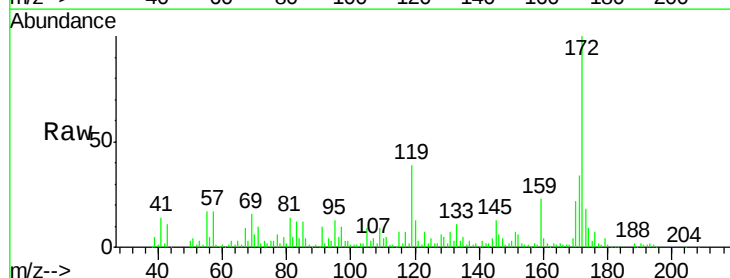
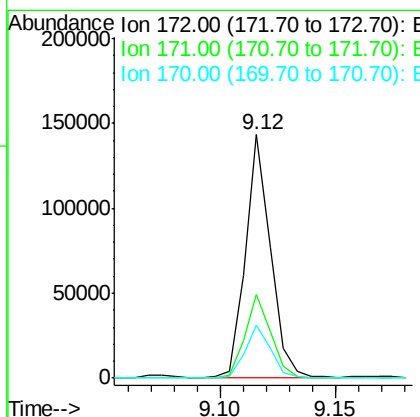
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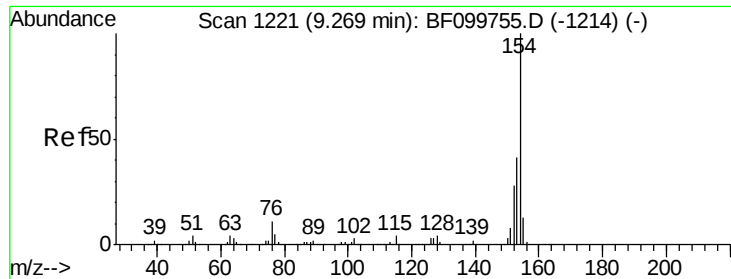
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#44
 2-Fluorobiphenyl
 Concen: 9.497 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF100260.D
 Acq: 6 Nov 2017 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	108399		
171	34.1	29.7	44.5	
170	21.9	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 5.018 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BF100260.D

Acq: 6 Nov 2017 19:33

Instrument :

BNA_F

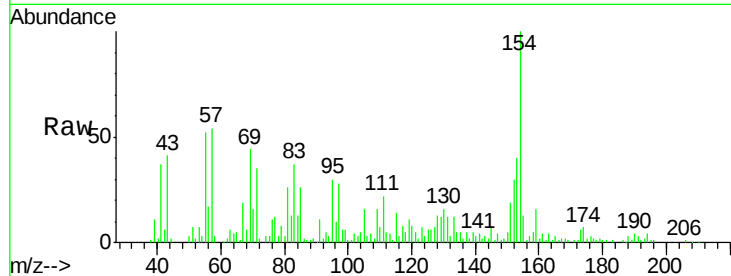
ClientSampled :

WASTE

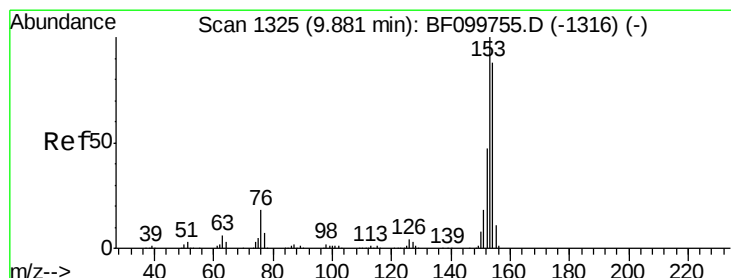
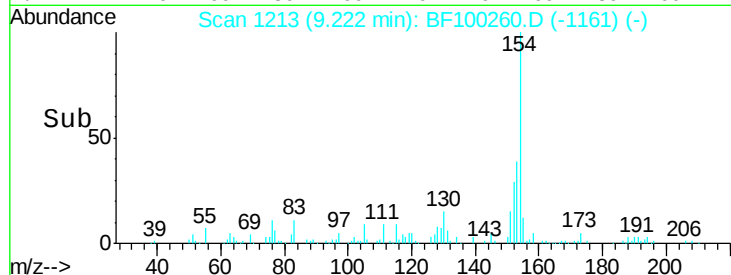
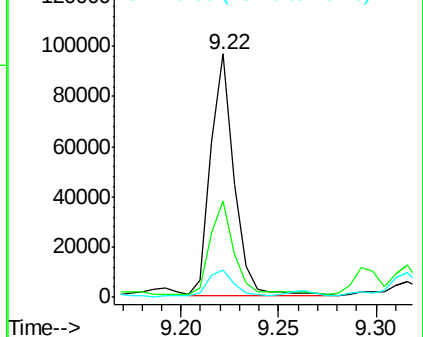
Tgt Ion:	154	Resp:	79947
Ion Ratio	Lower	Upper	
154	100		
153	39.6	21.3	61.3
76	11.4	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#51

Acenaphthene

Concen: 2.466 ng

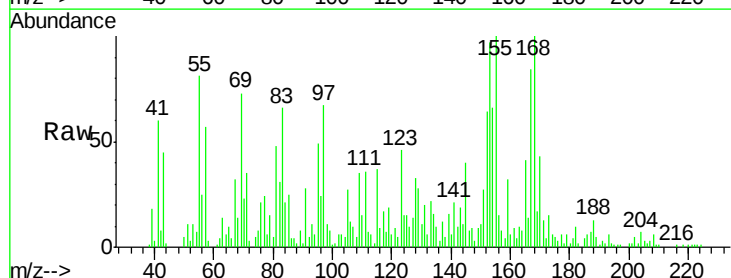
RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

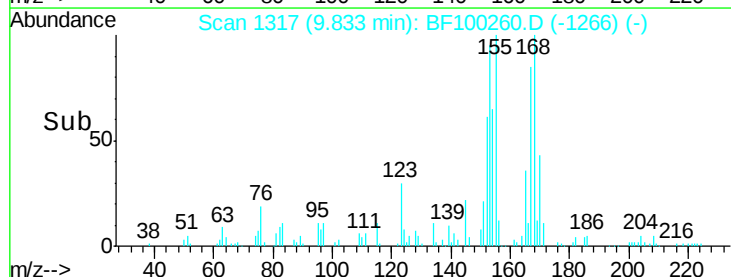
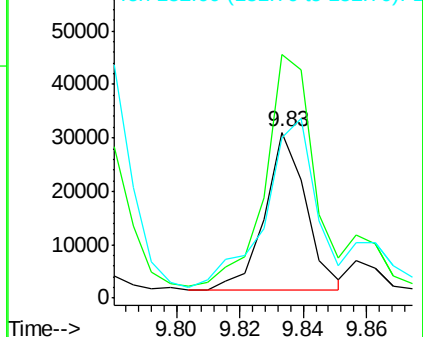
Lab File: BF100260.D

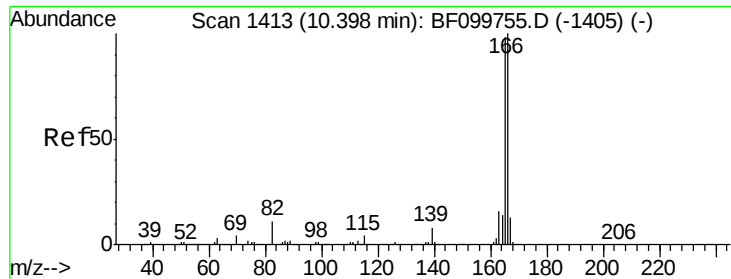
Acq: 6 Nov 2017 19:33

Tgt Ion:	154	Resp:	26847
Ion Ratio	Lower	Upper	
154	100		
153	146.7	91.2	136.8#
152	96.7	43.8	65.8#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





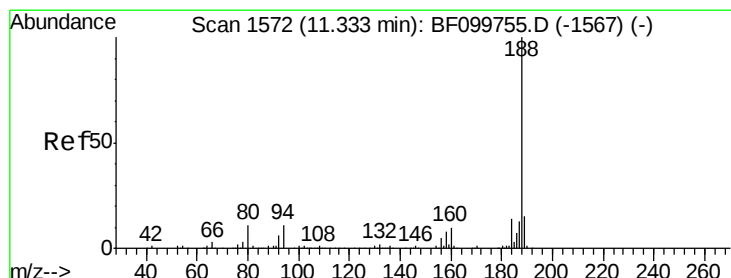
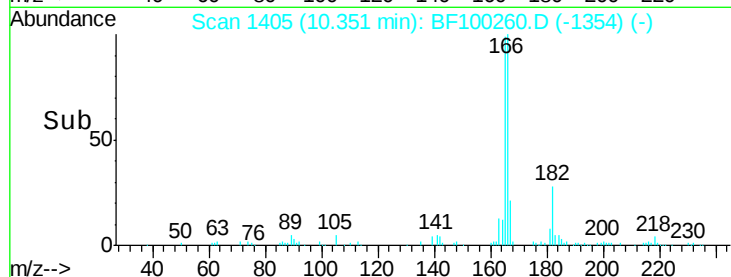
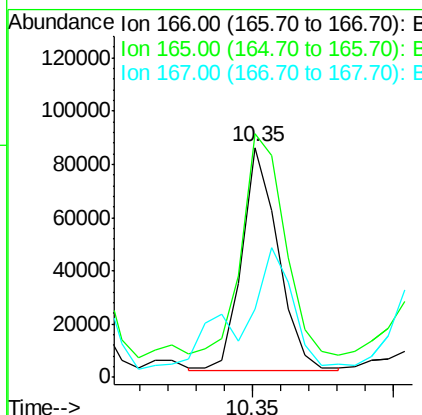
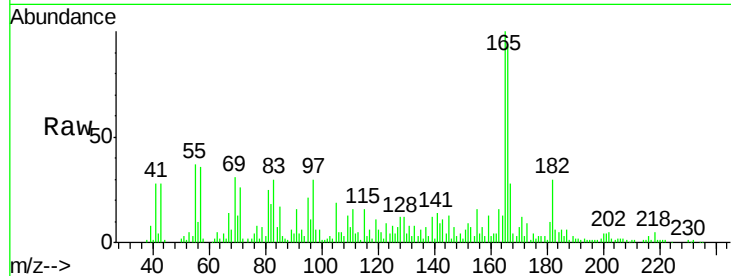
#57
Fluorene
 Concen: 5.878 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BF100260.D
 Acq: 6 Nov 2017 19:33

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.8	119.8
167	29.9	10.6	16.0

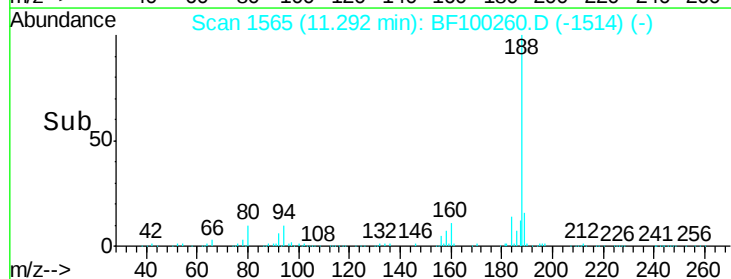
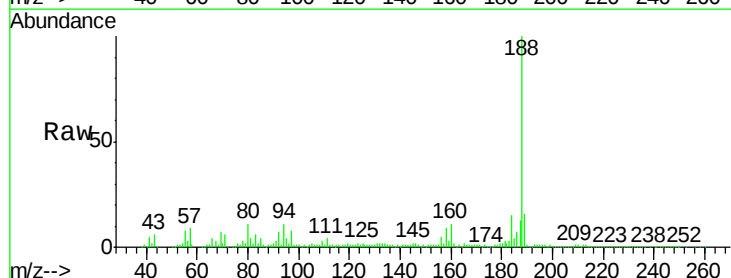
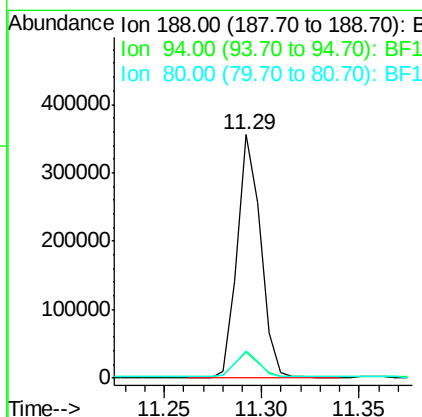
Manual Integrations
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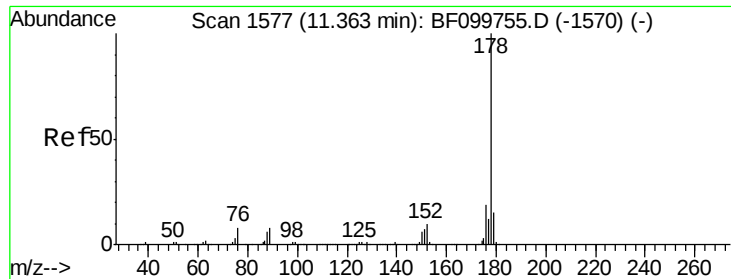
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: BF100260.D
 Acq: 6 Nov 2017 19:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.0	9.2	13.8





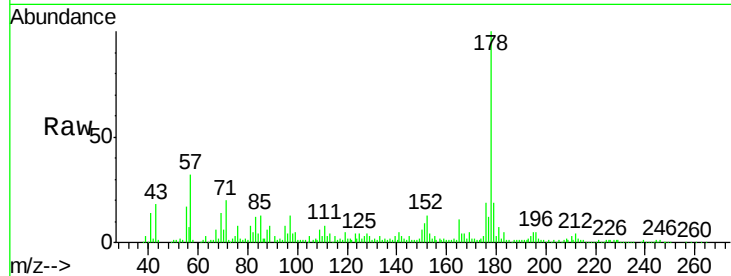
#70
Phenanthrene
Concen: 11.622 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Instrument :
BNA_F
ClientSampleId :
WASTE

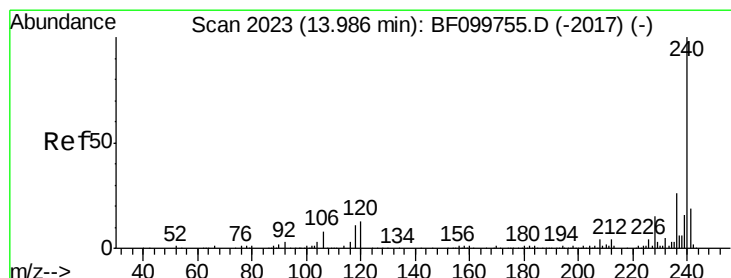
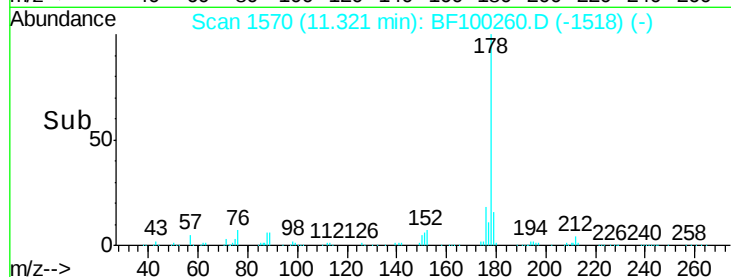
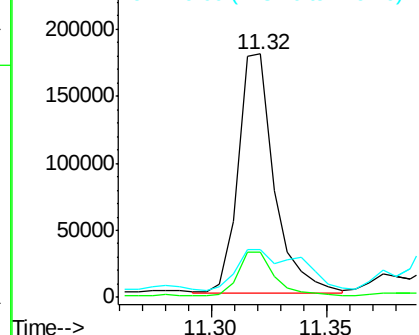
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	19.5	13.0	19.6

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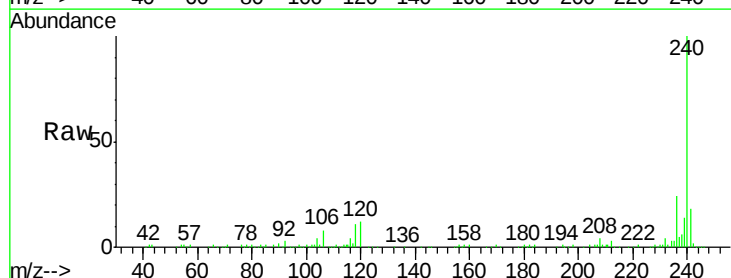


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

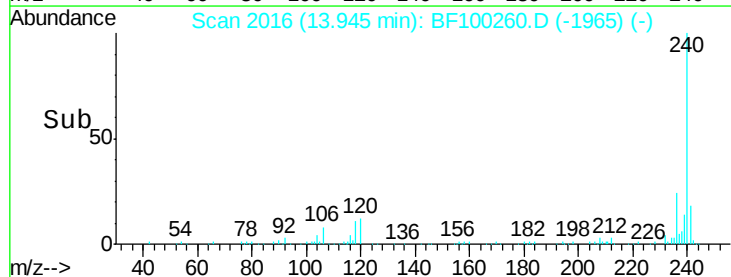
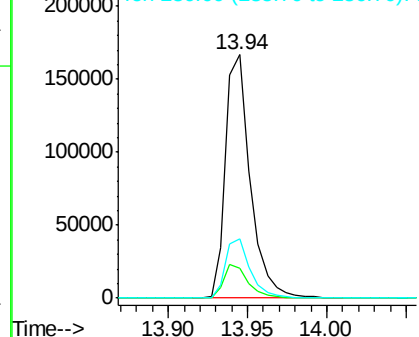


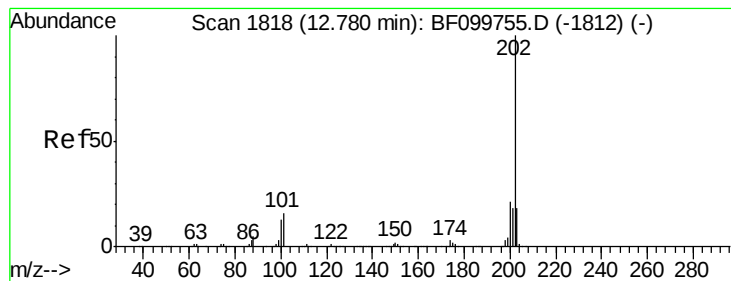
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.5	14.3
236	24.1	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.206 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF100260.D

Acq: 6 Nov 2017 19:33

Instrument :

BNA_F

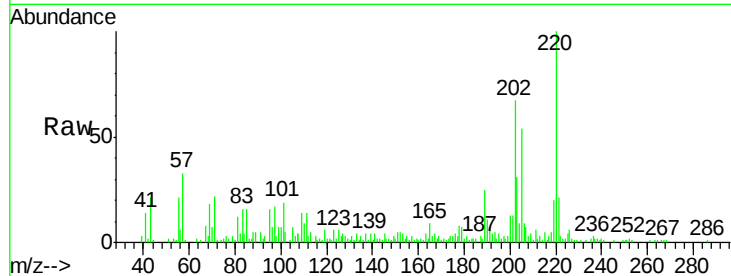
ClientSampleId :

WASTE

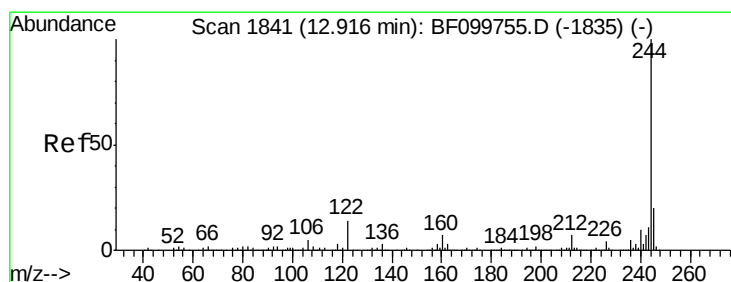
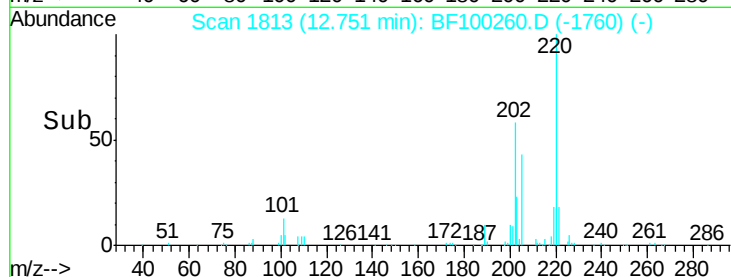
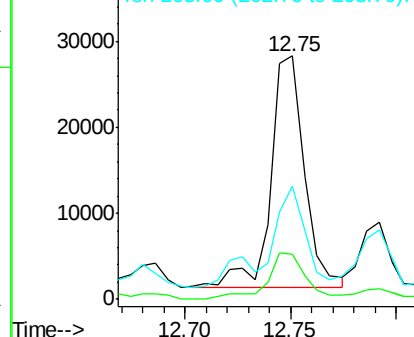
Tgt Ion:	202	Resp:	30316
Ion Ratio	Lower	Upper	
202	100		
200	18.6	17.4	26.2
203	46.6	14.3	21.5#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.121 ng

RT: 12.87 min Scan# 1833

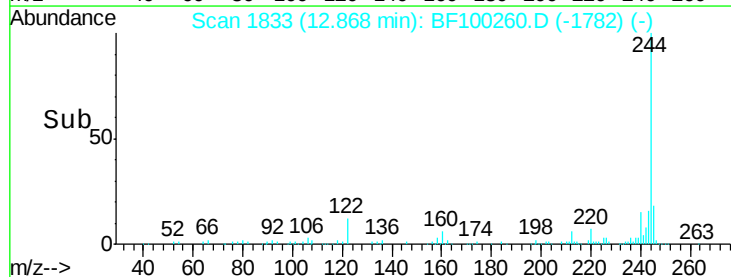
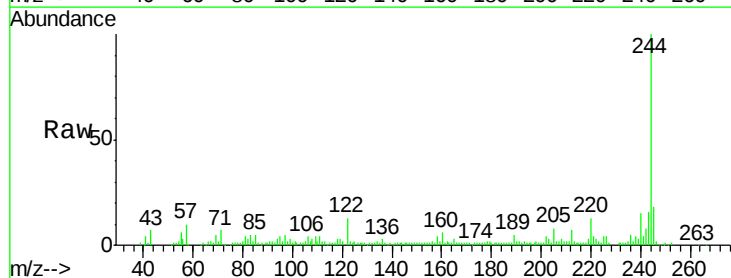
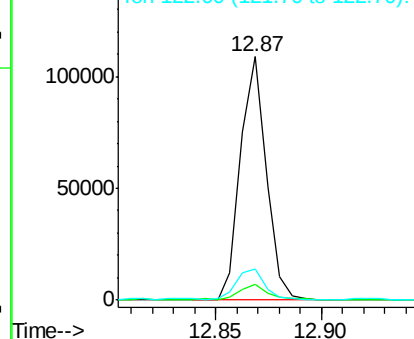
Delta R.T. -0.00 min

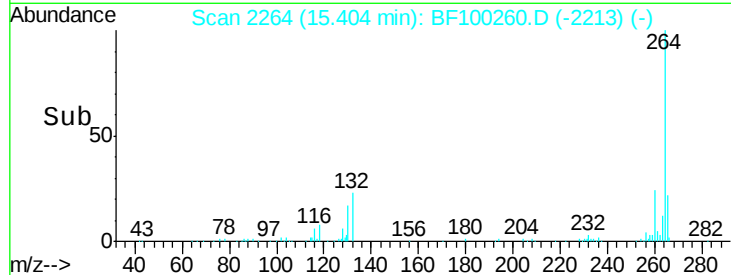
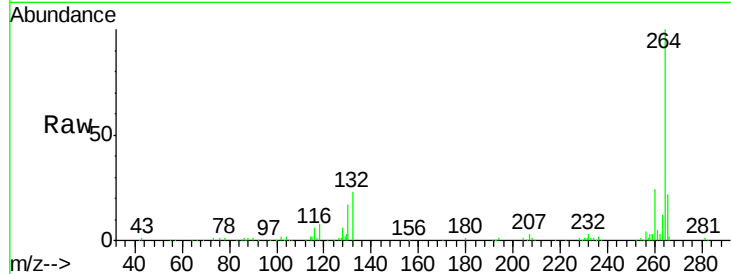
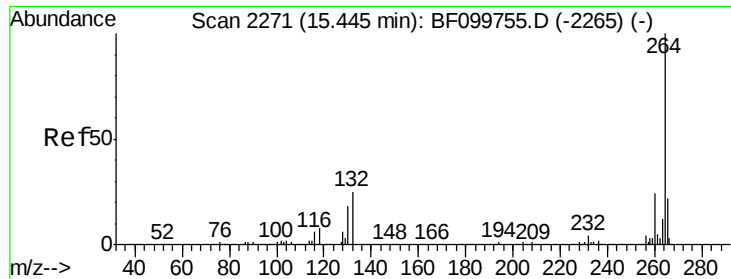
Lab File: BF100260.D

Acq: 6 Nov 2017 19:33

Tgt Ion:	244	Resp:	91991
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF100260.D
Acq: 6 Nov 2017 19:33

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	168159		
260	23.6	19.2	28.8	
265	21.7	17.5	26.3	

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