

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101429.D
 Acq On : 15 Dec 2017 7:51
 Operator : SJ/JU
 Sample : I6878-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-DEP

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:45:15 PM

Quant Time: Dec 15 10:29:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	170819	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	659058	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	287547	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	485865	20.00	ng	0.00
75) Chrysene-d12	13.99	240	334628	20.00	ng	-0.01
86) Perylene-d12	15.47	264	324585	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	395885	34.52	ng	0.00
7) Phenol-d6	6.45	99	299772	21.00	ng	0.00
23) Nitrobenzene-d5	7.39	82	913237	77.13	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	198808	71.75	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1507562	81.33	ng	0.00
78) Terphenyl-d14	12.93	244	1111903	80.11	ng	0.00
Target Compounds						
10) Phenol	6.47	94	34031	2.092	ng	79
17) 2-Methylphenol	7.07	107	67422	6.076	ng	96
20) 3+4-Methylphenols	7.23	107	163848	13.934	ng	89
27) 2,4-Dimethylphenol	7.75	122	191584	20.032	ng	98
31) Naphthalene	8.12	128	988748	29.800	ng	99
37) 2-Methylnaphthalene	8.81	142	127726	5.909	ng	99
51) Acenaphthene	9.89	154	171142	9.243	ng	99
54) Dibenzofuran	10.06	168	184485	7.840	ng	98
57) Fluorene	10.40	166	143752	7.222	ng	97
70) Phenanthrene	11.37	178	282477	10.454	ng	99
71) Anthracene	11.42	178	70193	2.543	ng	97
72) Carbazole	11.58	167	328175	12.700	ng	99

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

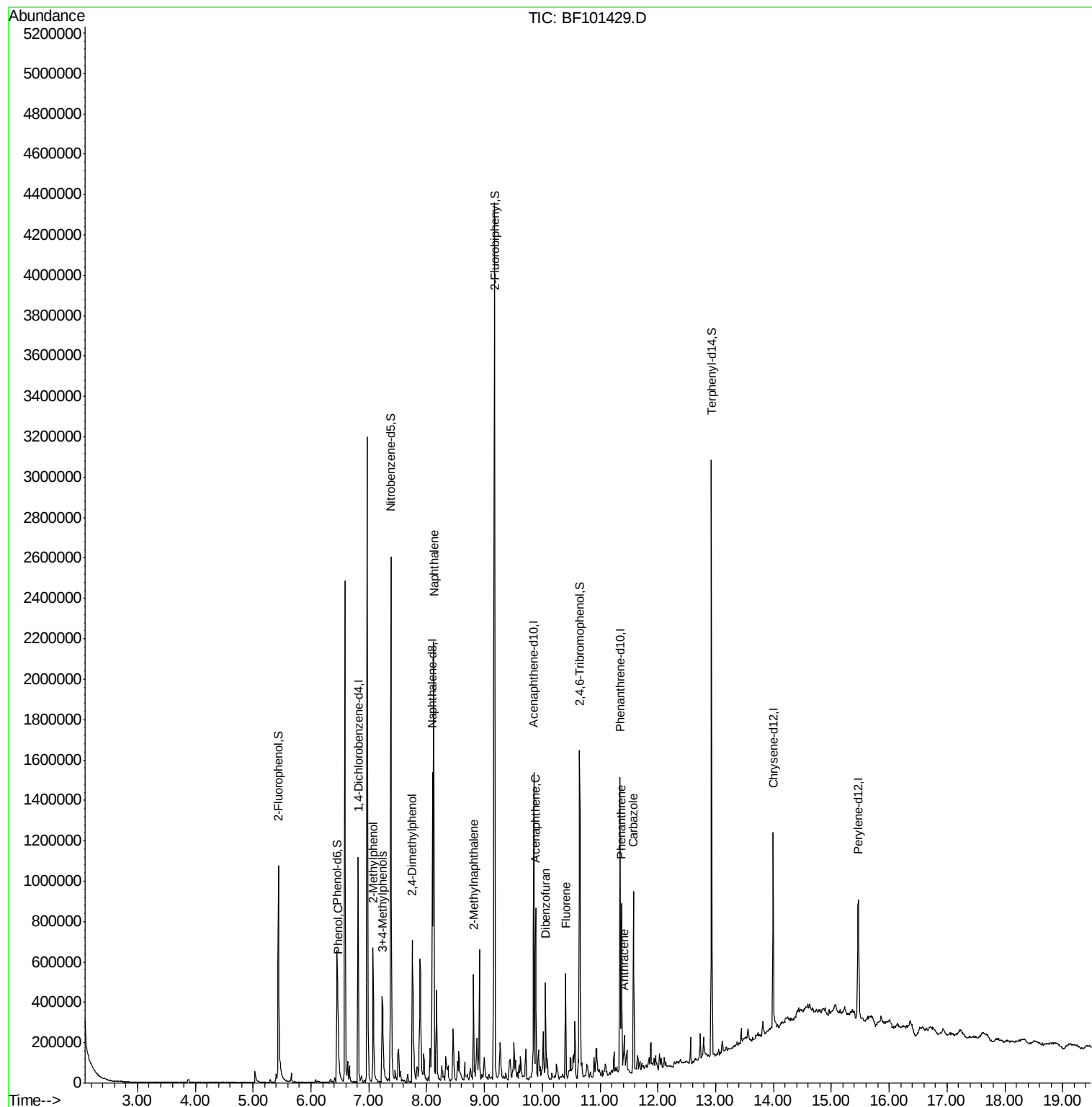
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101429.D
Acq On : 15 Dec 2017 7:51
Operator : SJ/JU
Sample : I6878-02
Misc :
ALS Vial : 32 Sample Multiplier: 1

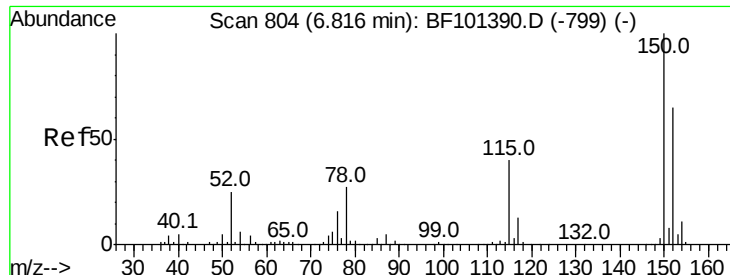
Instrument :
BNA_F
ClientSampleId :
TW-3-DEP

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Sohil
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
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#1

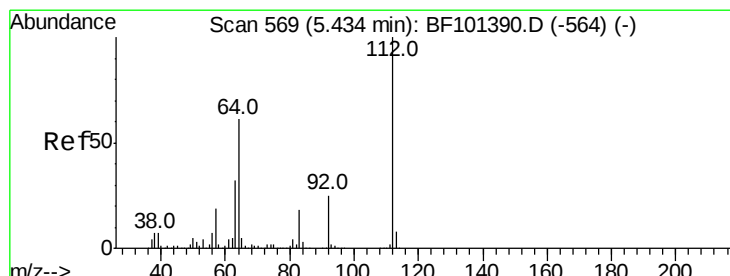
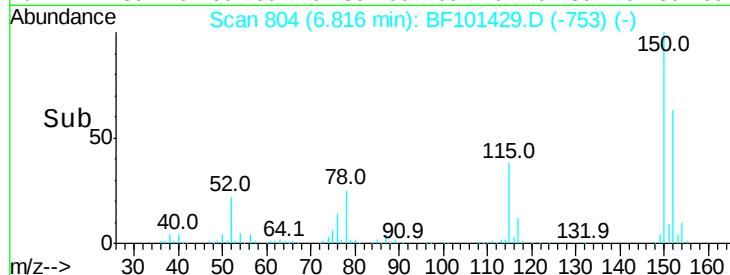
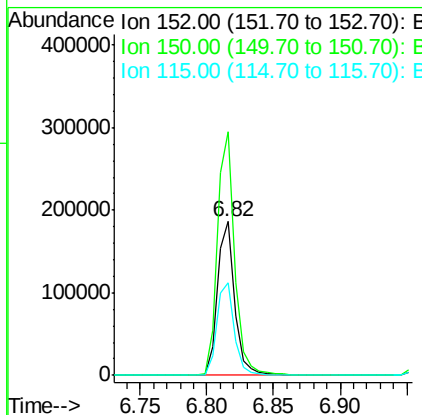
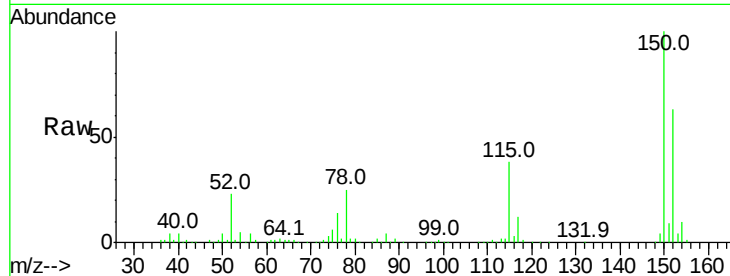
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Instrument :
BNA_F
ClientSampleId :
TW-3-DEP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	60.5	50.1	75.1

Manual Integrations
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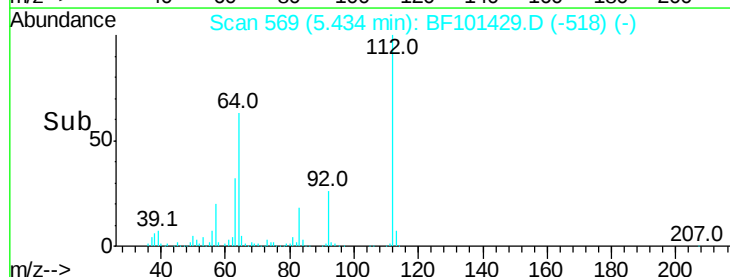
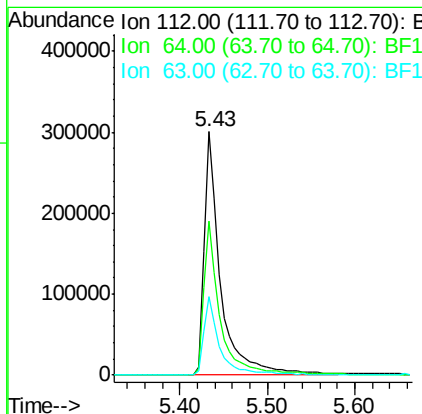
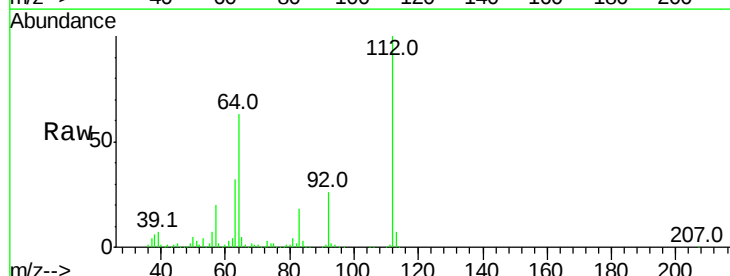
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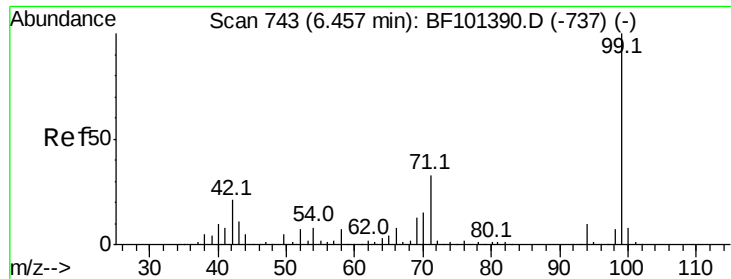


#5

2-Fluorophenol
Concen: 34.522 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 21.004 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101429.D

Acq: 15 Dec 2017 7:51

Instrument :

BNA_F

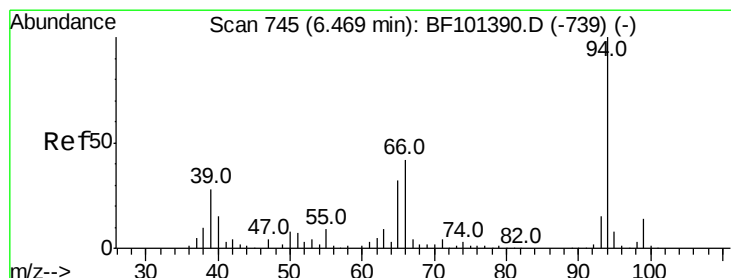
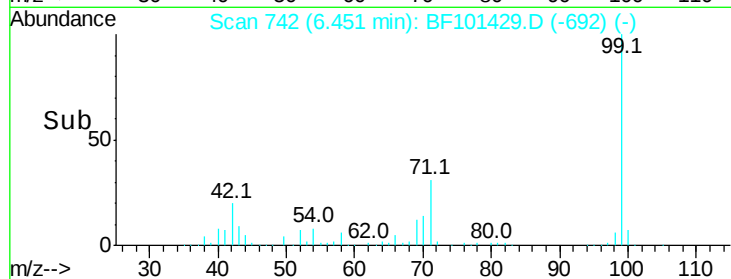
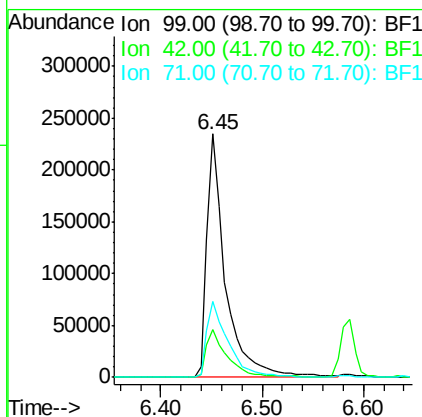
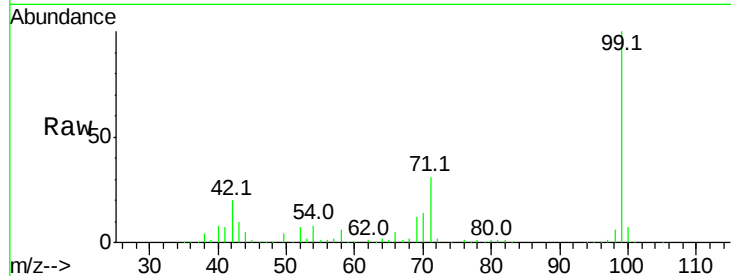
ClientSampleId :

TW-3-DEP

Tot Ion:	99	Resp:	299772
Ion Ratio	Lower	Upper	
99	100		
42	19.9	14.5	21.7
71	31.0	25.4	38.0

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#10

Phenol

Concen: 2.092 ng

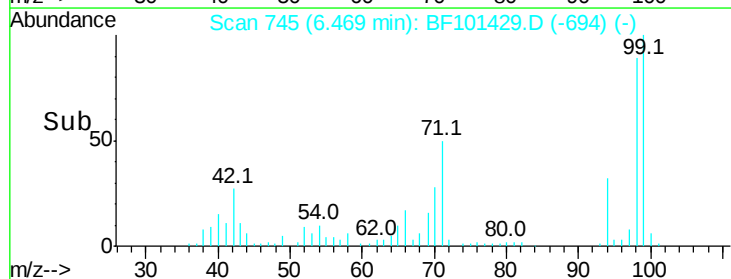
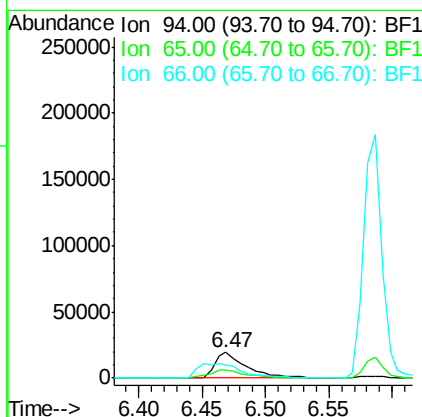
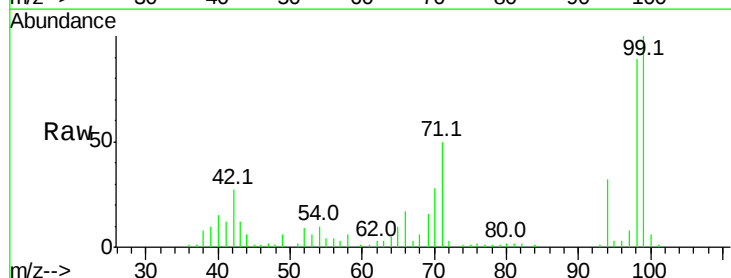
RT: 6.47 min Scan# 745

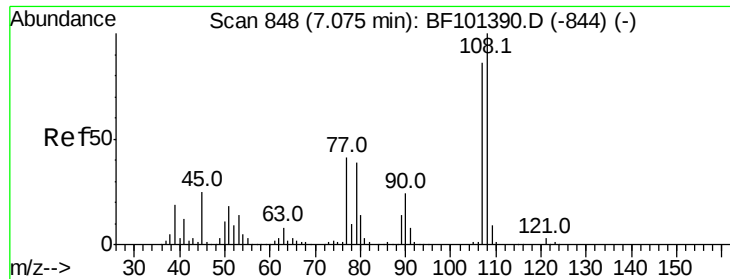
Delta R.T. -0.00 min

Lab File: BF101429.D

Acq: 15 Dec 2017 7:51

Tgt Ion:	94	Resp:	34031
Ion Ratio	Lower	Upper	
94	100		
65	32.9	7.9	47.9
66	53.7	16.2	56.2





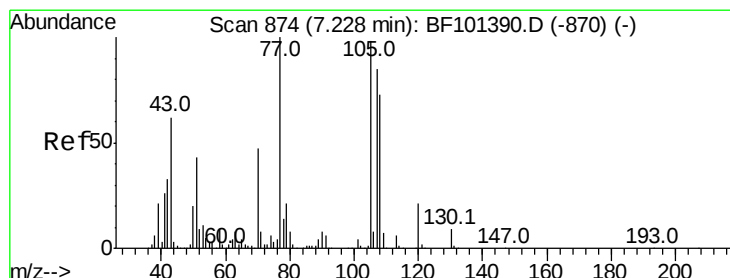
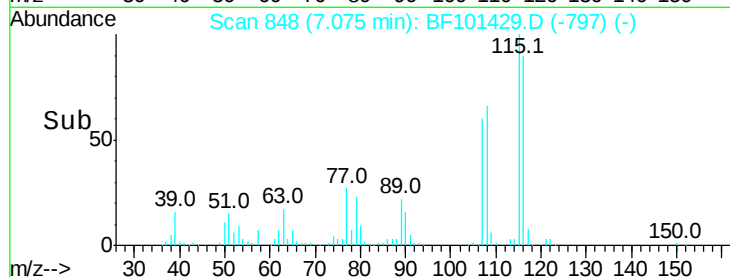
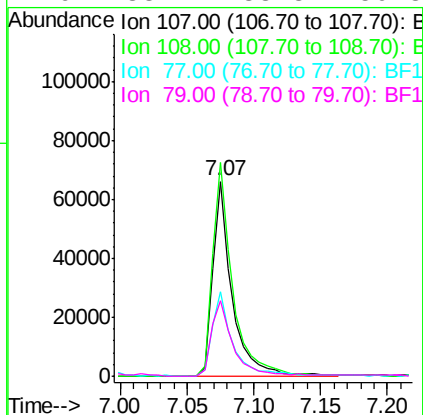
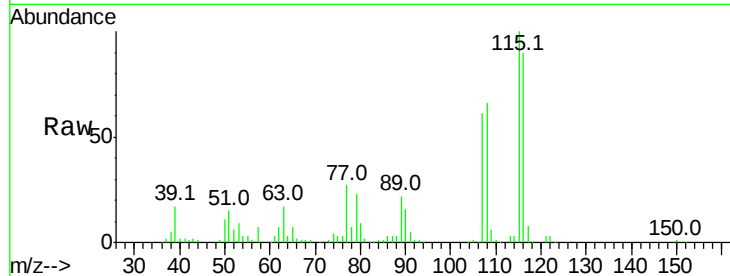
#17
2-Methylphenol
Concen: 6.076 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Instrument :
BNA_F
ClientSampleId :
TW-3-DEP

Tot Ion	Ratio	Resp	Lower	Upper
107	100	67422		
108	109.6	91.7	137.5	
77	43.7	33.8	50.8	
79	38.7	33.8	50.8	

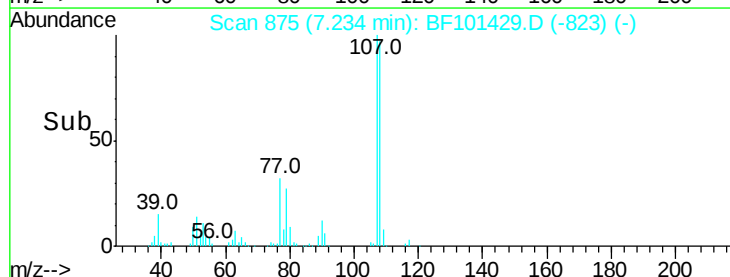
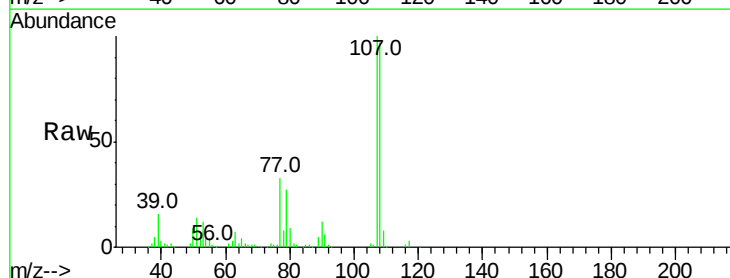
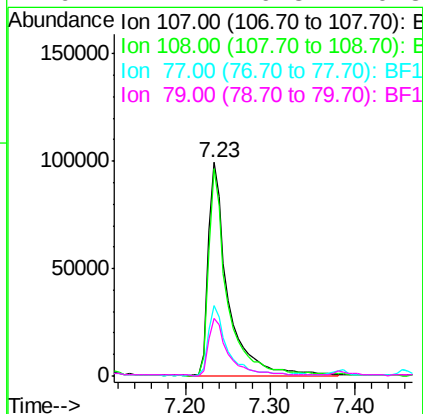
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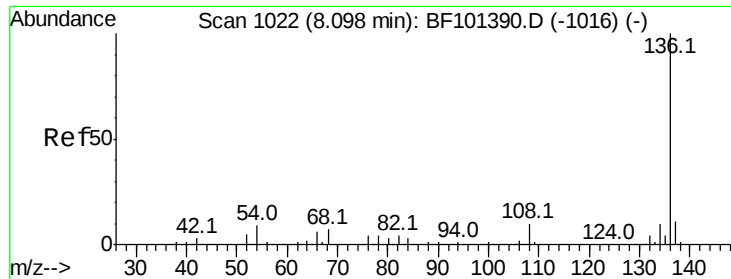
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#20
3+4-Methylphenols
Concen: 13.934 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.01 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	163848		
108	96.8	68.2	108.2	
77	32.9	26.7	66.7	
79	27.2	6.3	46.3	





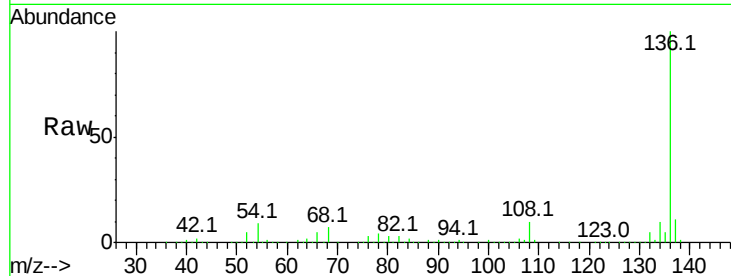
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Instrument :
BNA_F
ClientSampleId :
TW-3-DEP

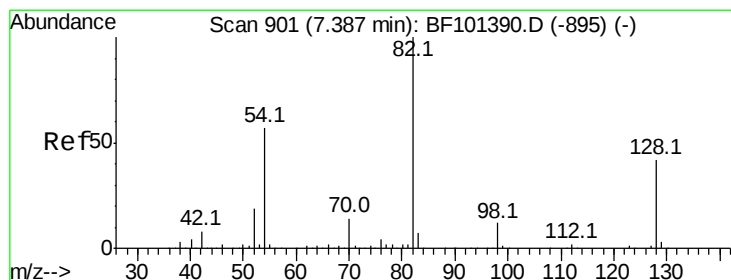
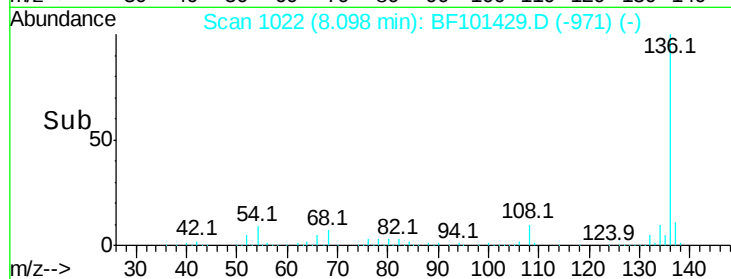
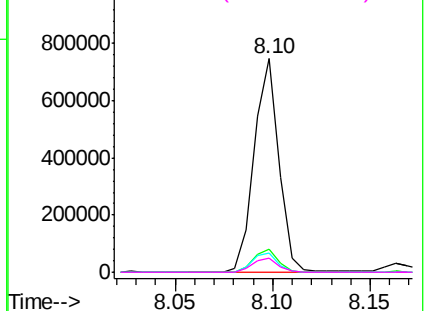
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	6.5	5.0	7.4

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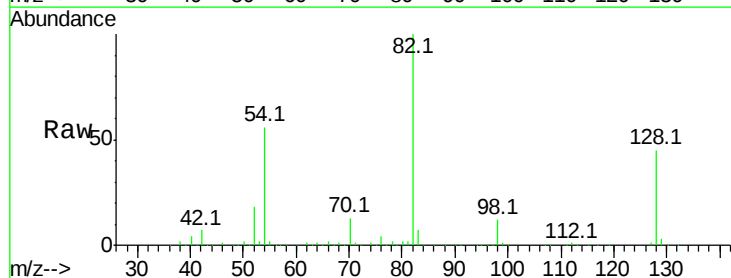


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

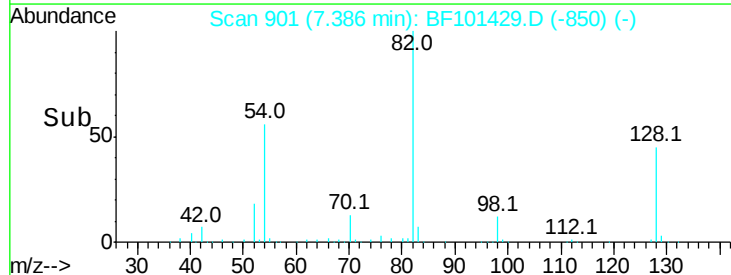
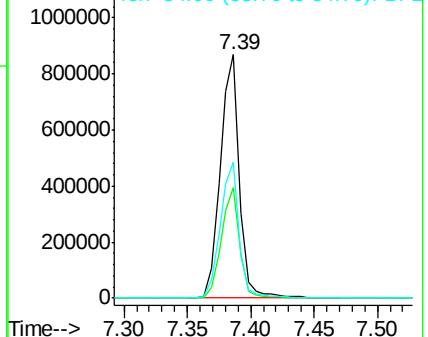


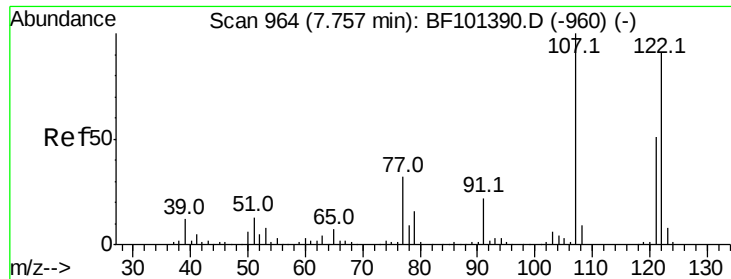
#23
Nitrobenzene-d5
Concen: 77.134 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.4	36.1	54.1
54	55.7	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





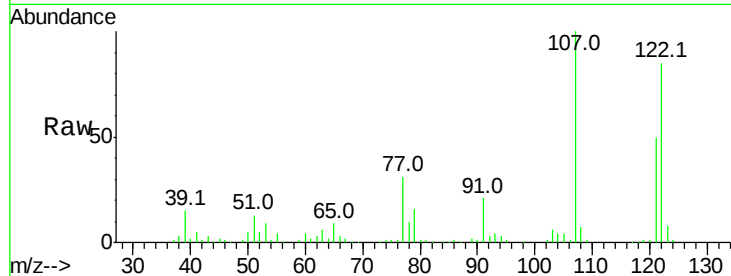
#27
2,4-Dimethylphenol
Concen: 20.032 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Instrument :
BNA_F
ClientSampleId :
TW-3-DEP

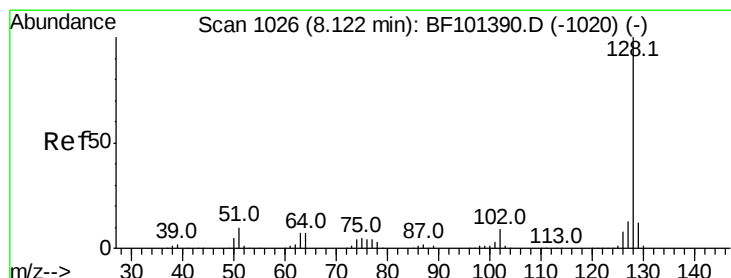
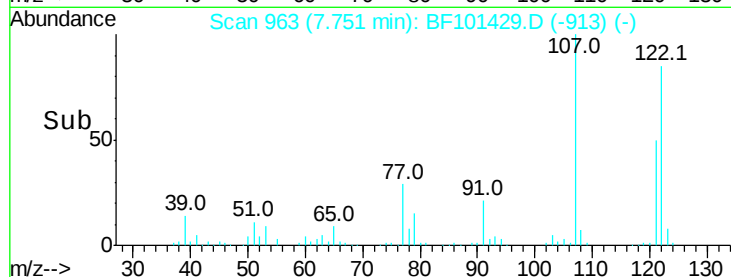
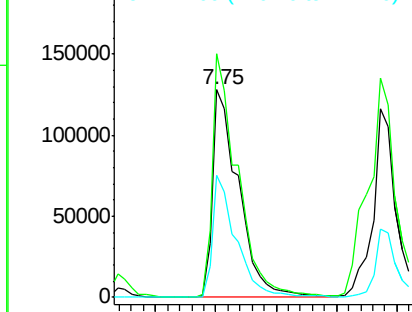
Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		191584		
107	117.5	91.2	136.8		
121	58.9	47.2	70.8		

Manual Integrations
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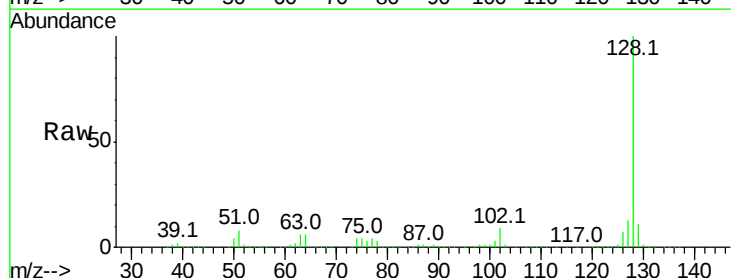


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

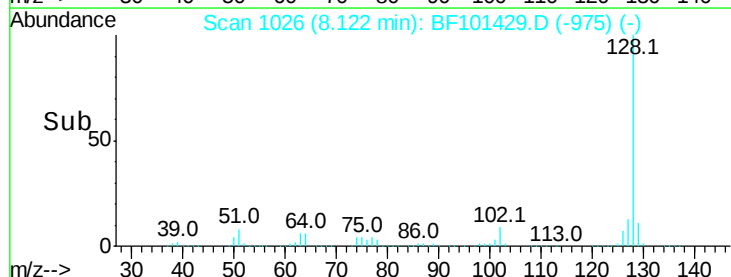
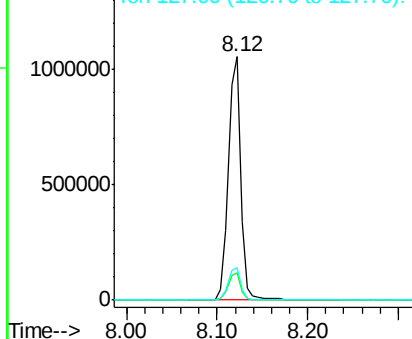


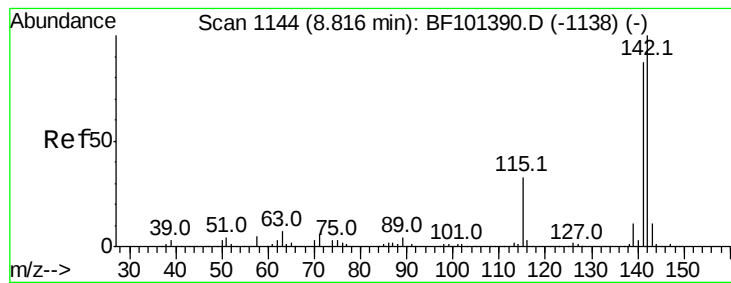
#31
Naphthalene
Concen: 29.800 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		988748		
129	11.1	8.8	13.2		
127	13.1	10.9	16.3		



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





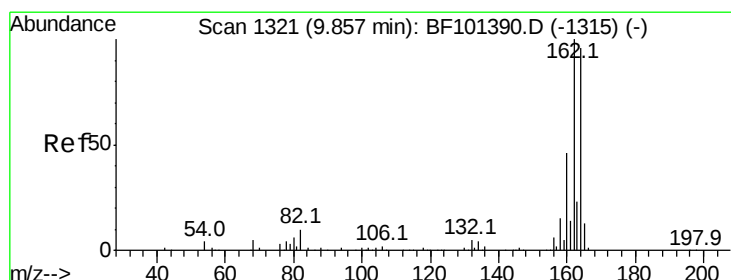
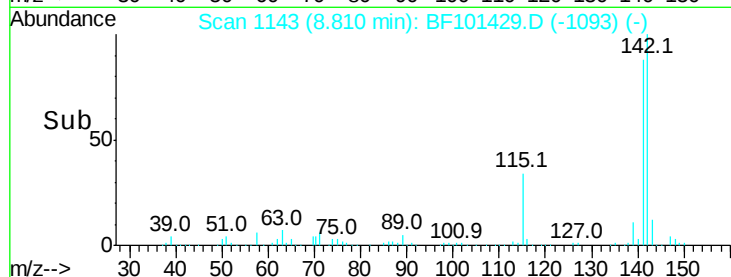
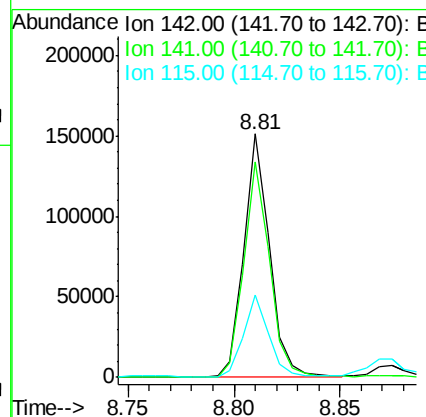
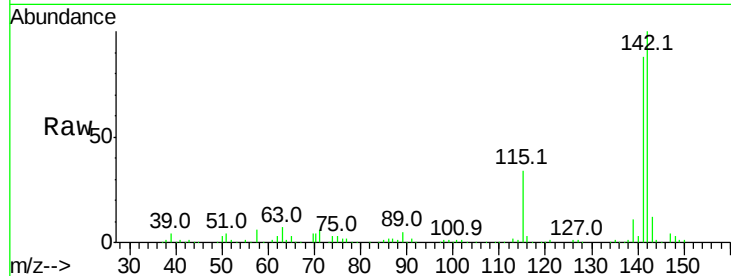
#37
 2-Methylnaphthalene
 Concen: 5.909 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-DEP

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2
115	33.7	26.1	39.1

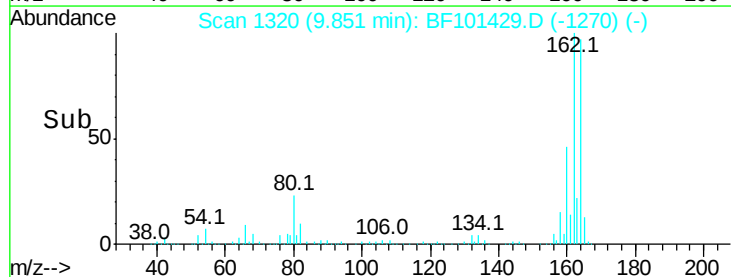
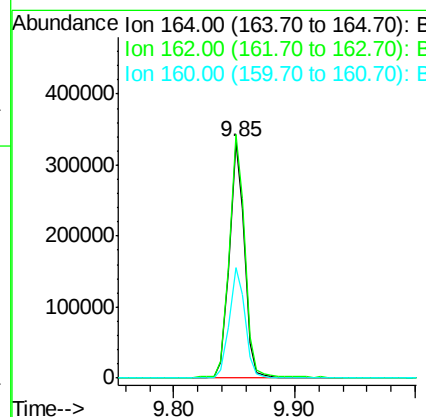
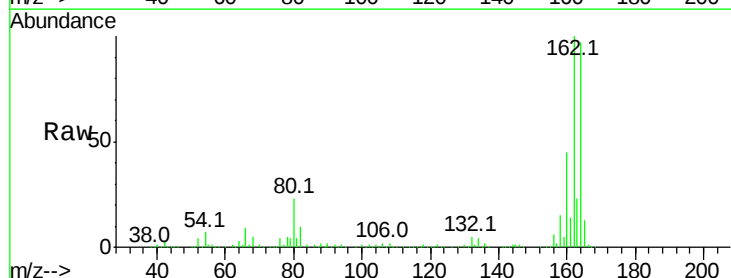
Manual Integrations
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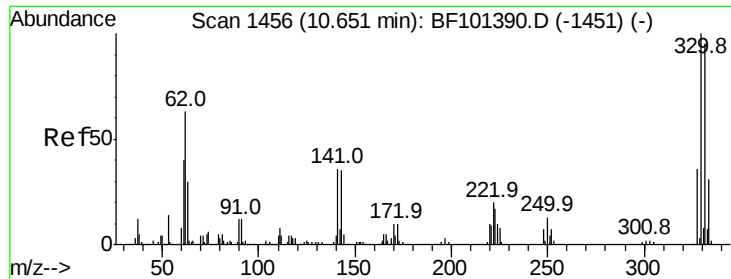
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	46.9	38.3	57.5





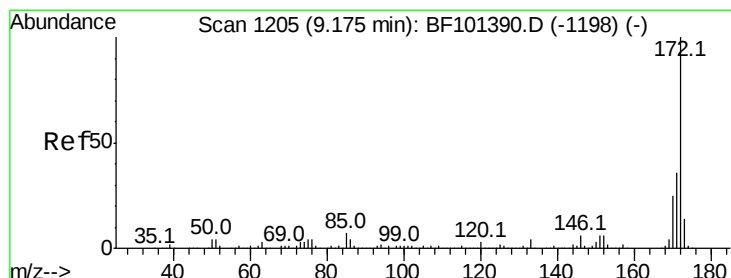
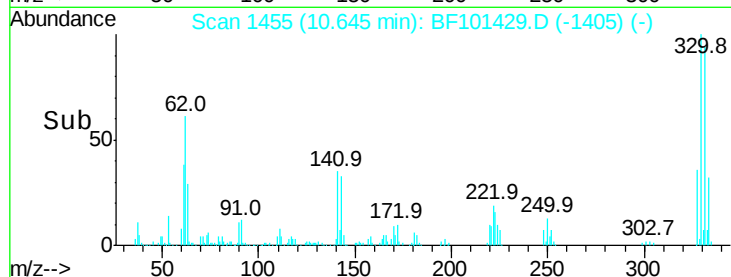
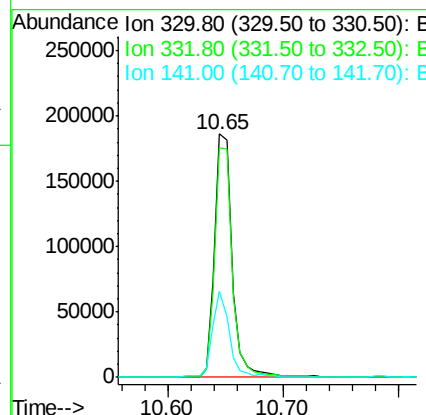
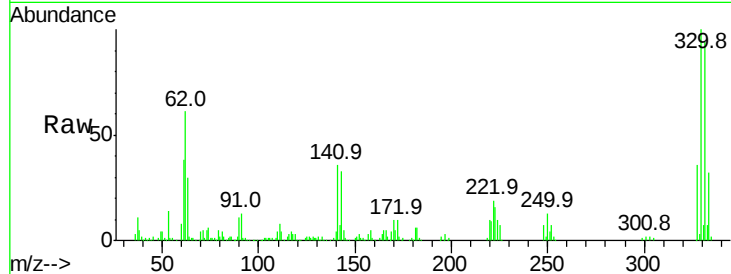
#41
 2,4,6-Tribromophenol
 Concen: 71.753 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-DEP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	198808		
332	94.5	77.0	115.6	
141	35.3	29.9	44.9	

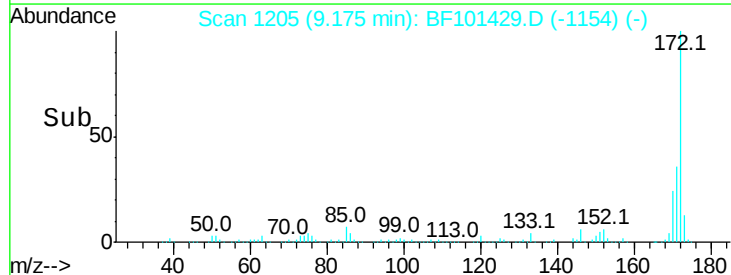
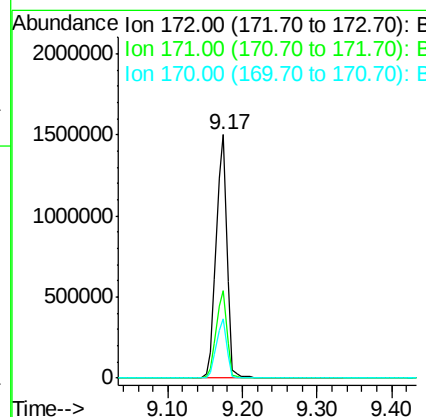
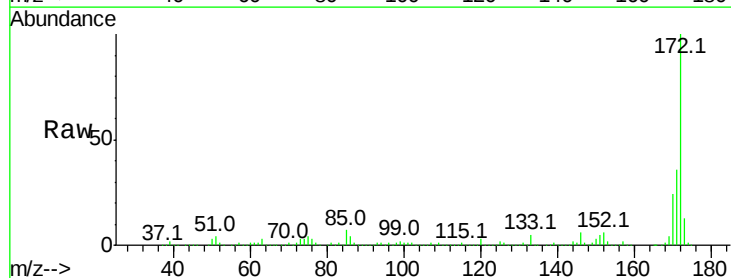
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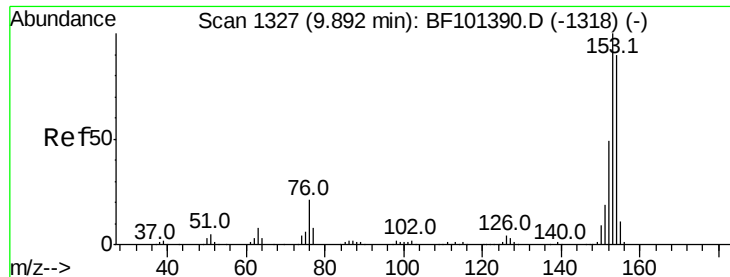
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#44
 2-Fluorobiphenyl
 Concen: 81.329 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1507562		
171	35.9	29.7	44.5	
170	24.4	19.6	29.4	





#51

Acenaphthene

Concen: 9.243 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101429.D

Acq: 15 Dec 2017 7:51

Instrument :

BNA_F

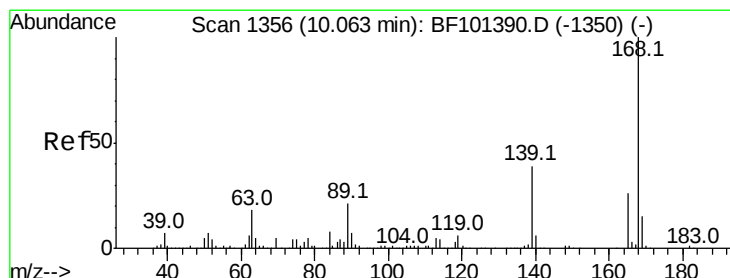
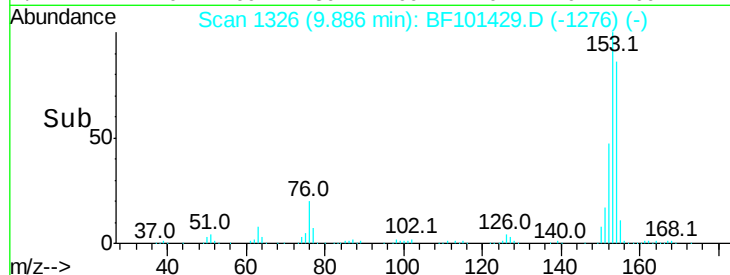
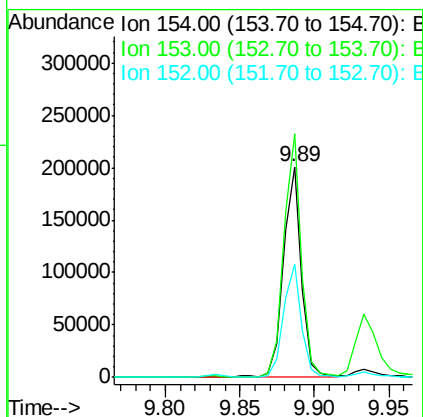
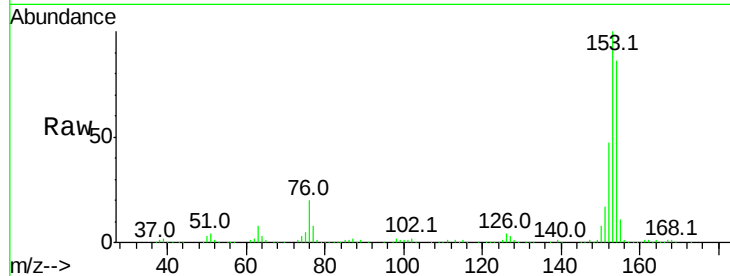
ClientSampleId :

TW-3-DEP

Tot Ion:	154	Resp:	171142
Ion Ratio	Lower	Upper	
154	100		
153	115.6	91.2	136.8
152	53.9	43.8	65.8

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#54

Dibenzofuran

Concen: 7.840 ng

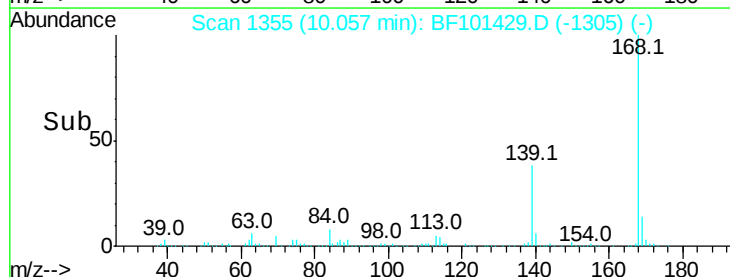
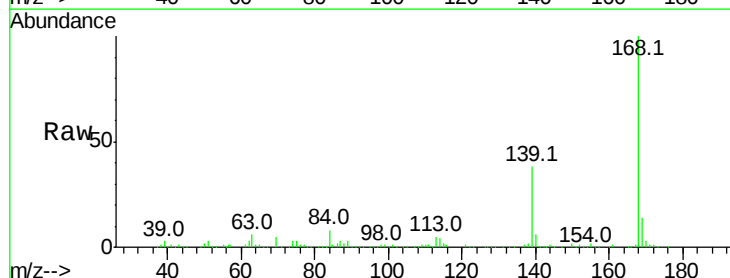
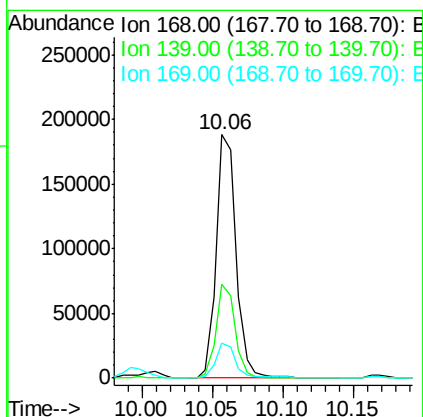
RT: 10.06 min Scan# 1355

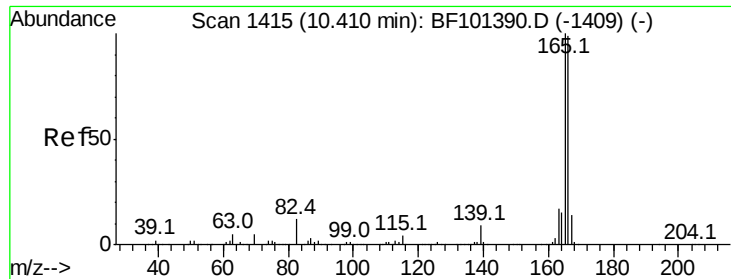
Delta R.T. -0.01 min

Lab File: BF101429.D

Acq: 15 Dec 2017 7:51

Tgt Ion:	168	Resp:	184485
Ion Ratio	Lower	Upper	
168	100		
139	38.4	30.1	45.1
169	14.5	10.9	16.3





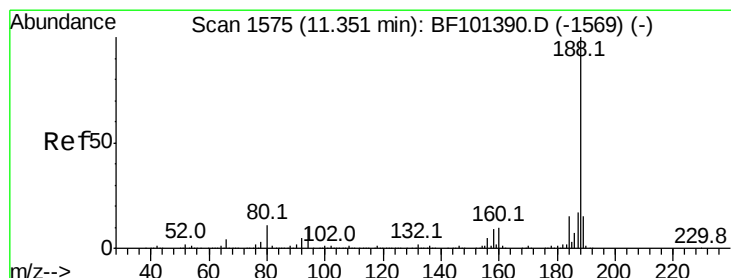
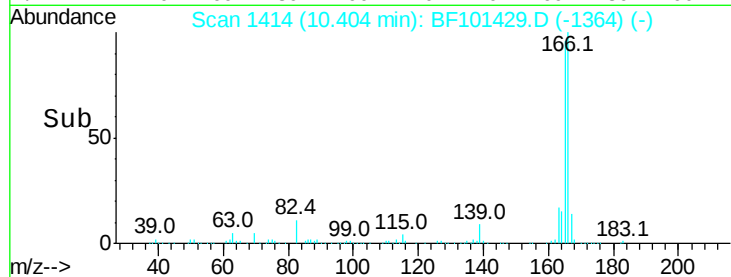
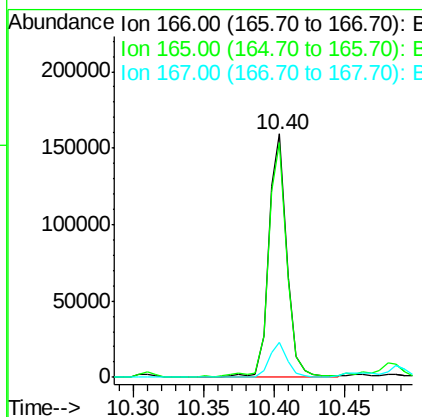
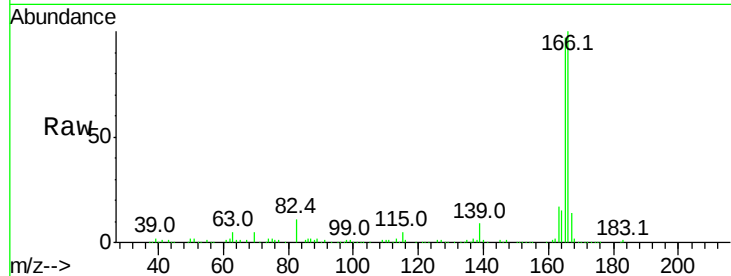
#57
Fluorene
 Concen: 7.222 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-DEP

Tot Ion	Ratio	Resp	Lower	Upper
166	100	143752		
165	96.5	79.8	119.8	
167	14.1	10.6	16.0	

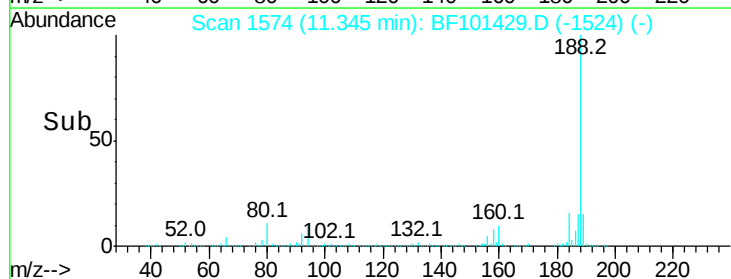
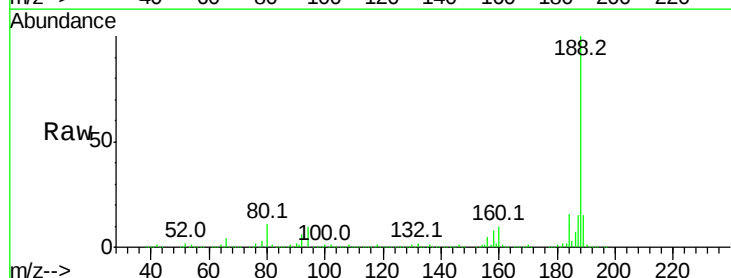
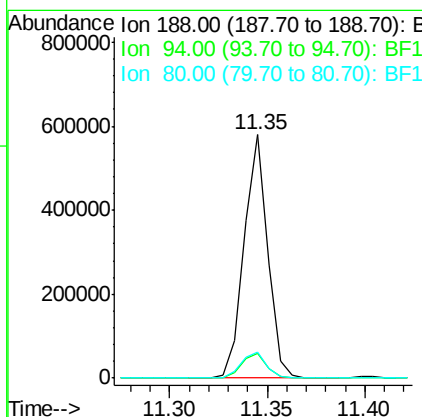
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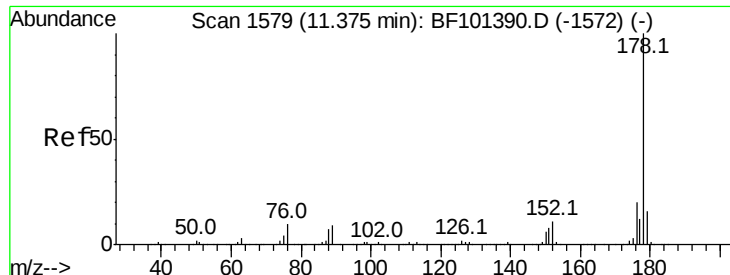
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	485865		
94	10.3	8.5	12.7	
80	10.7	9.2	13.8	





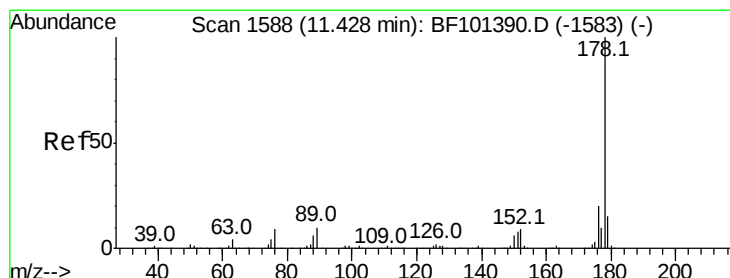
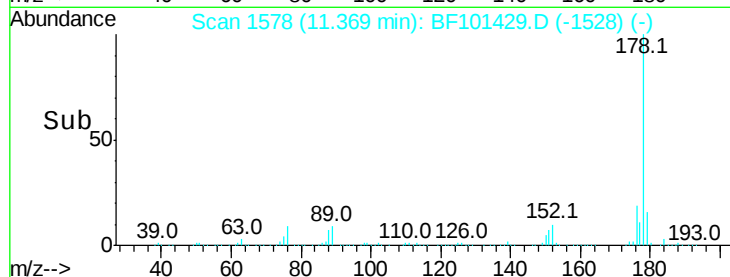
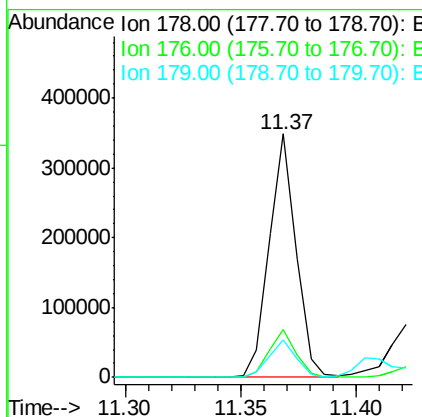
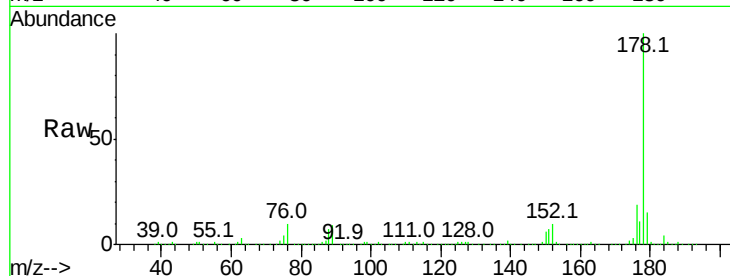
#70
Phenanthrene
Concen: 10.454 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Instrument :
BNA_F
ClientSampleId :
TW-3-DEP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	13.0	19.6

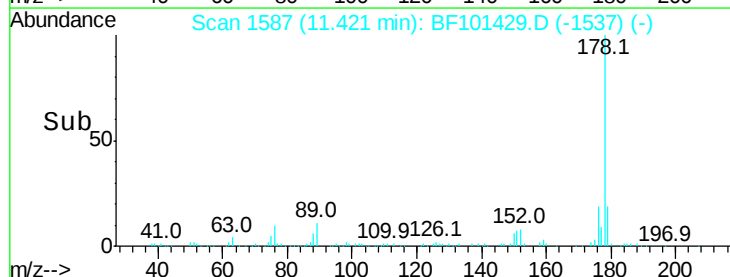
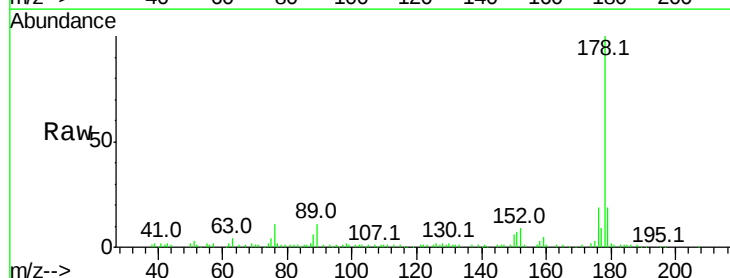
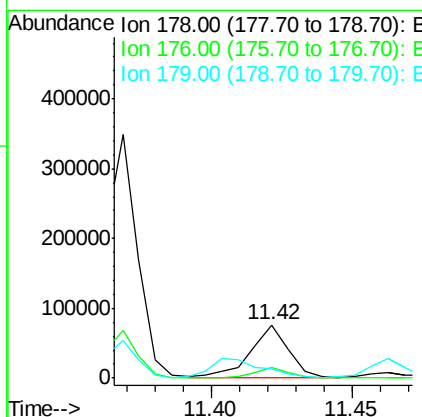
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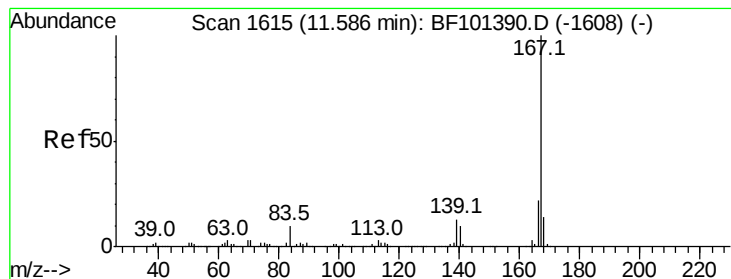
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#71
Anthracene
Concen: 2.543 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101429.D
Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	18.7	12.6	19.0





#72

Carbazole

Concen: 12.700 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101429.D

Acq: 15 Dec 2017 7:51

Instrument :

BNA_F

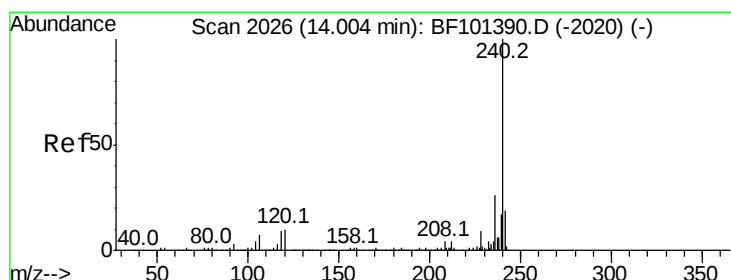
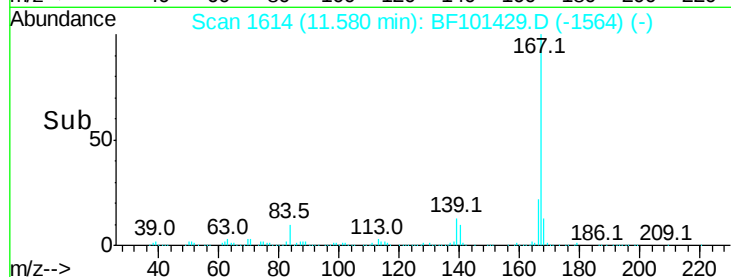
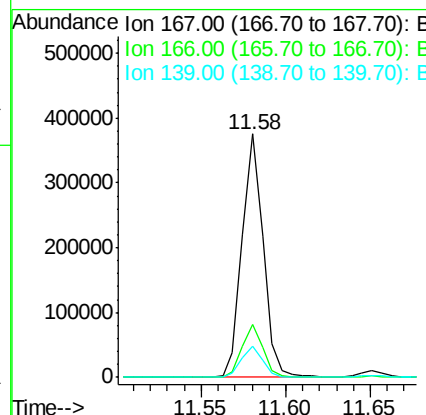
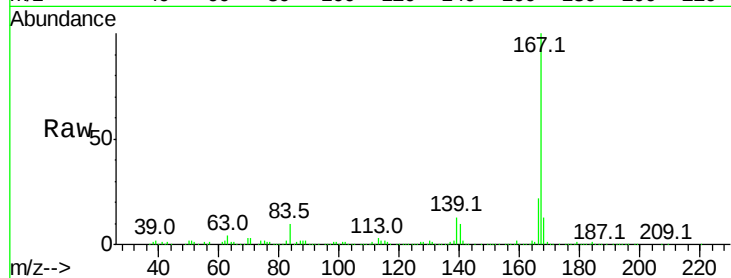
ClientSampleId :

TW-3-DEP

Tot Ion:	167	Resp:	328175
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.0	10.9	16.3

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#75

Chrysene-d12

Concen: 20.000 ng

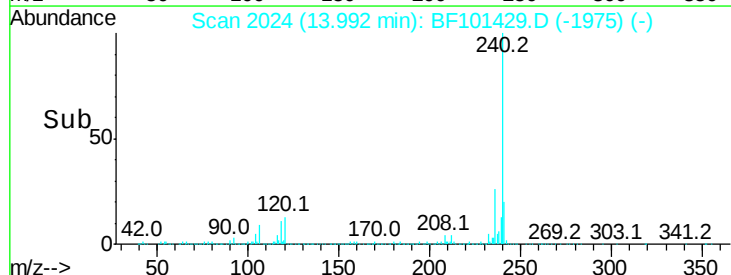
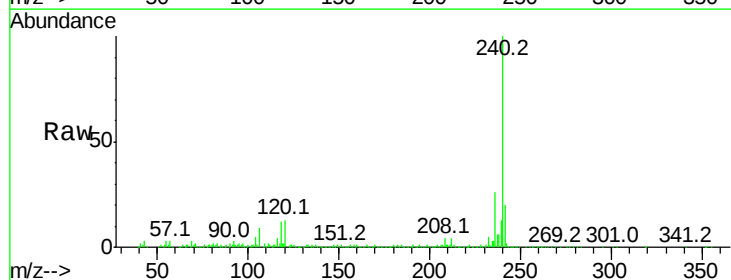
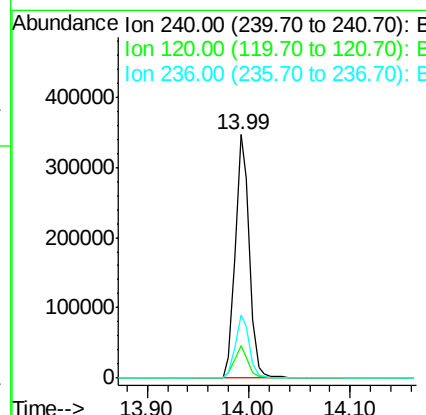
RT: 13.99 min Scan# 2024

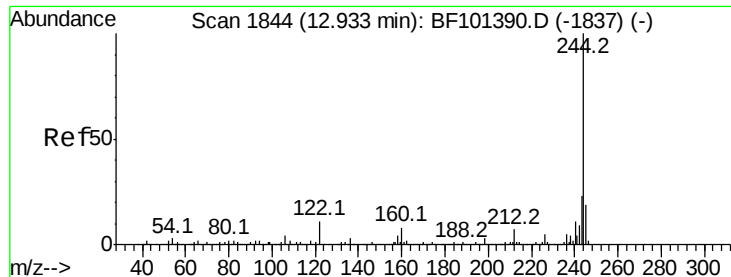
Delta R.T. -0.01 min

Lab File: BF101429.D

Acq: 15 Dec 2017 7:51

Tgt Ion:	240	Resp:	334628
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.0	20.7	31.1





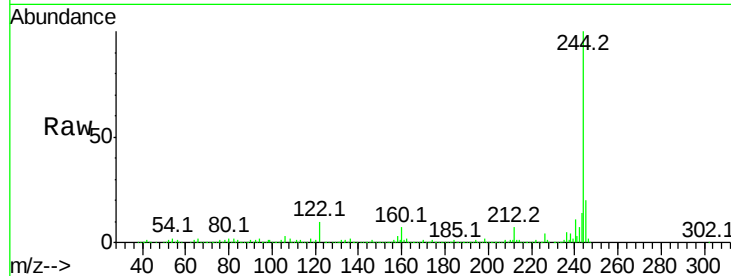
#78
 Terphenyl-d14
 Concen: 80.105 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 TW-3-DEP

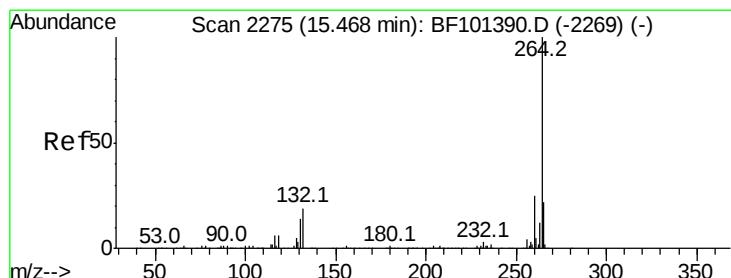
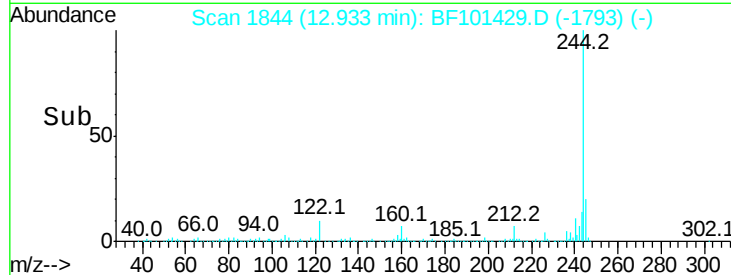
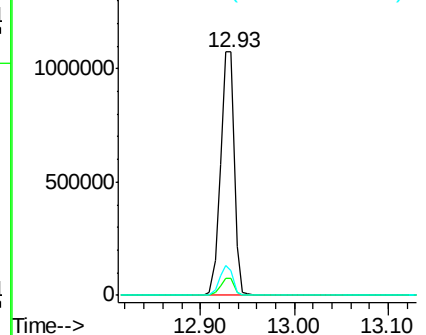
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	11.0	16.4

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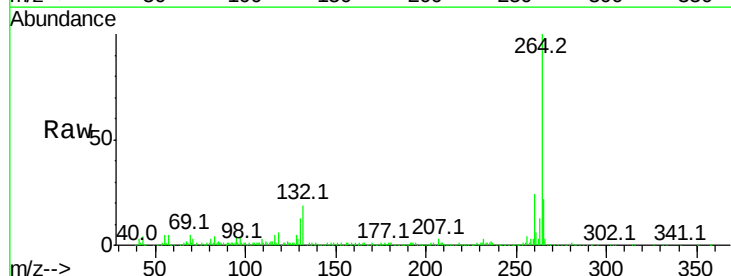


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.00 min
 Lab File: BF101429.D
 Acq: 15 Dec 2017 7:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	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

