

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081924.D
 Acq On : 1 Oct 2015 2:24
 Operator : UM/IZ
 Sample : G3846-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Manual Integrations
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 10/1/2015 2:24:23 PM

Quant Time: Oct 01 06:18:03 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	57990	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	141568	20.00	ng	0.02
38) Acenaphthene-d10	10.08	164	158532	20.00	ng	0.10
63) Phenanthrene-d10	11.55	188	128540	20.00	ng	0.09
75) Chrysene-d12	14.12	240	249503	20.00	ng	0.00
86) Perylene-d12	15.56	264	231029	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	657885	205.94	ng	-0.02
7) Phenol-d6	6.54	99	730422	181.71	ng	-0.02
23) Nitrobenzene-d5	7.50	82	326490	153.73	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	116378	72.48	ng	0.10
44) 2-Fluorobiphenyl	9.37	172	395048	37.24	ng	0.07
78) Terphenyl-d14	13.09	244	587069	73.12	ng	0.03
Target Compounds						
31) Naphthalene	8.34	128	2912272	464.26	ng	# 87
37) 2-Methylnaphthalene	9.05	142	7121561	1663.17	ng	# 89
45) 1,1'-Biphenyl	9.49	154	1092921	89.36	ng	90
71) Anthracene	11.59	178	2826737	432.67	ng	# 89
74) Fluoranthene	12.74	202	133798	19.43	ng	74
77) Pyrene	12.97	202	455453m	30.56	ng	
80) Benzo(a)anthracene	14.14	228	122282	9.10	ng	# 65
82) Chrysene	14.14	228	122248	8.01	ng	# 67

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

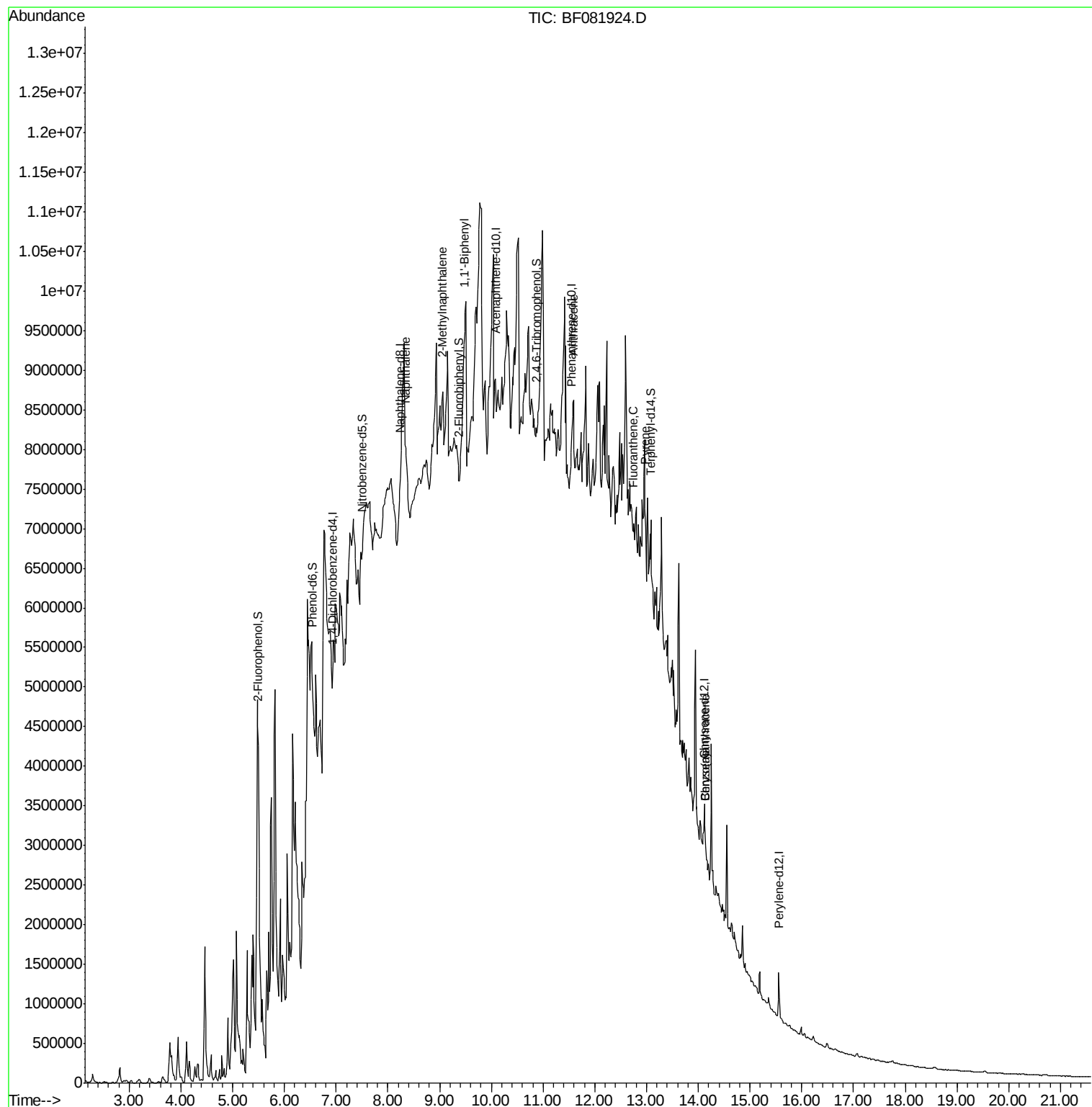
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081924.D
Acq On : 1 Oct 2015 2:24
Operator : UM/IZ
Sample : G3846-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

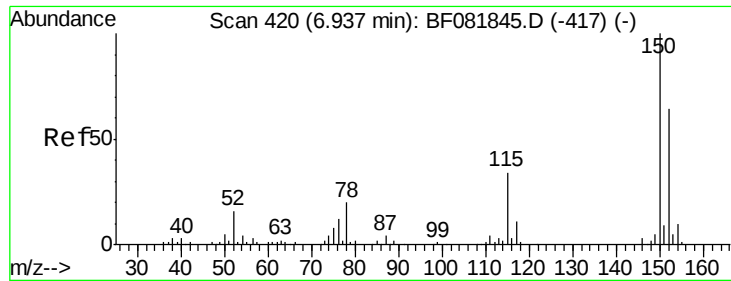
Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

Manual Integrations
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Quant Time: Oct 01 06:18:03 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF081924.D

Acq: 1 Oct 2015 2:24

Instrument :

BNA_F

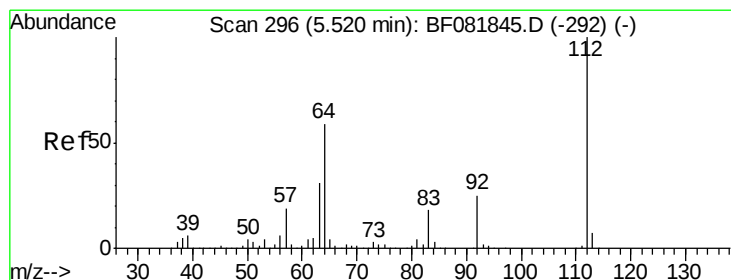
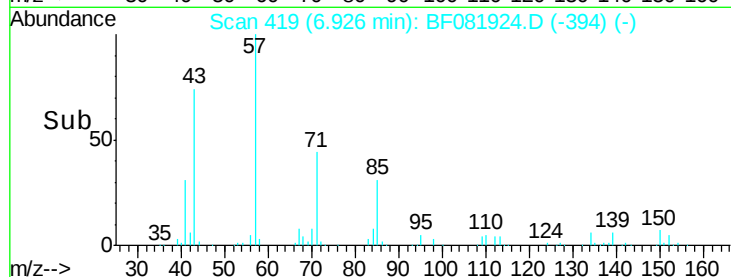
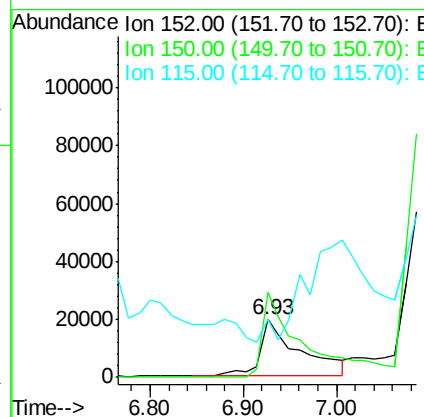
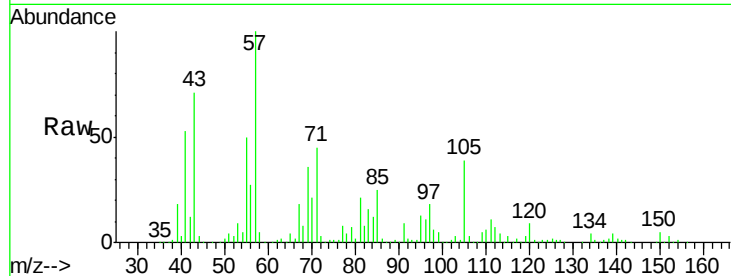
ClientSampleId :

016-TB-13(4-8)

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.5	124.7	187.1
115	100.8	39.0	58.4#



#5

2-Fluorophenol

Concen: 205.94 ng

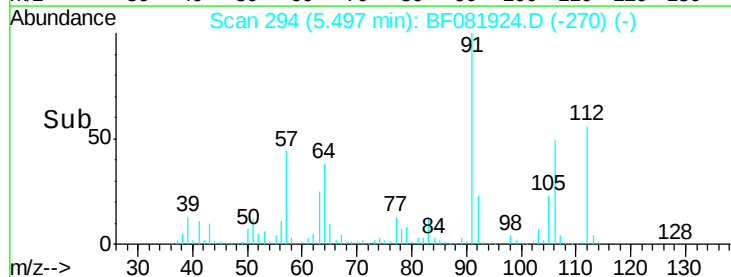
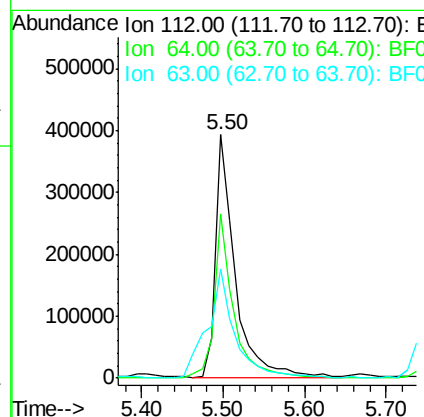
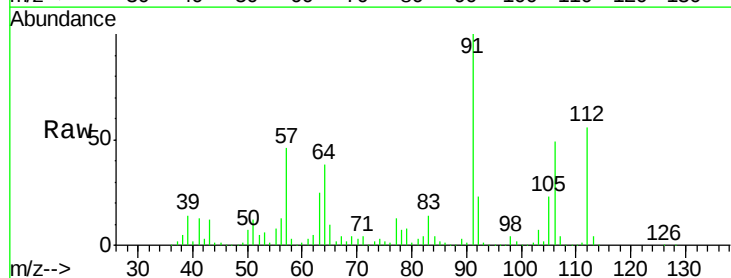
RT: 5.50 min Scan# 294

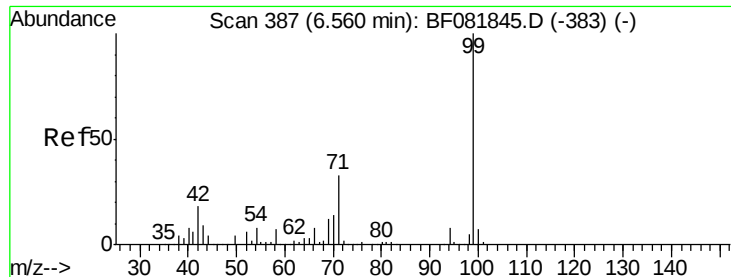
Delta R.T. -0.02 min

Lab File: BF081924.D

Acq: 1 Oct 2015 2:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	39.7	59.5#
63	45.1	17.4	26.0#





#7

Phenol-d6

Concen: 181.71 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF081924.D

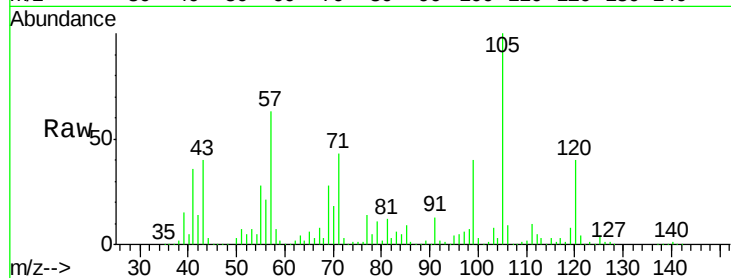
Acq: 1 Oct 2015 2:24

Instrument :

BNA_F

ClientSampleId :

016-TB-13(4-8)



Tgt Ion: 99 Resp: 730422

Ion Ratio Lower Upper

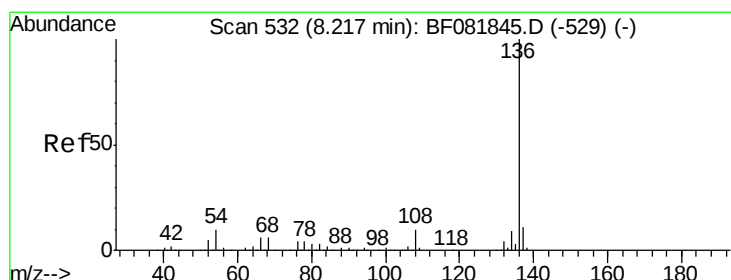
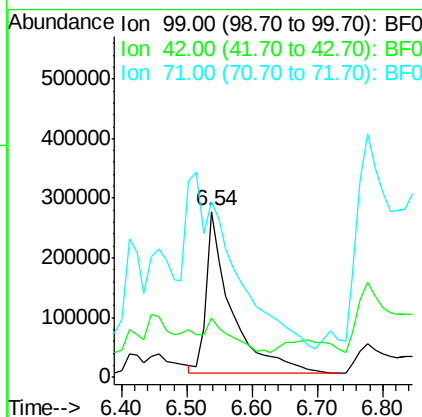
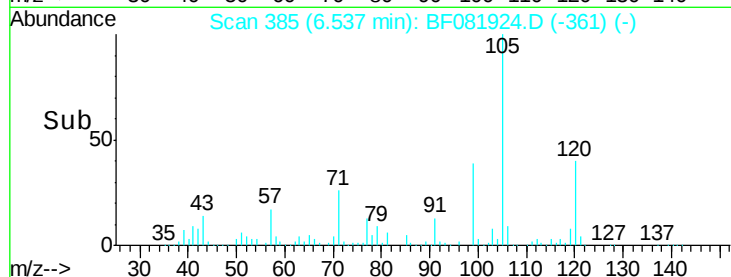
99 100

42 35.4 13.7 20.5#

71 105.9 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. 0.02 min

Lab File: BF081924.D

Acq: 1 Oct 2015 2:24

Tgt Ion: 136 Resp: 141568

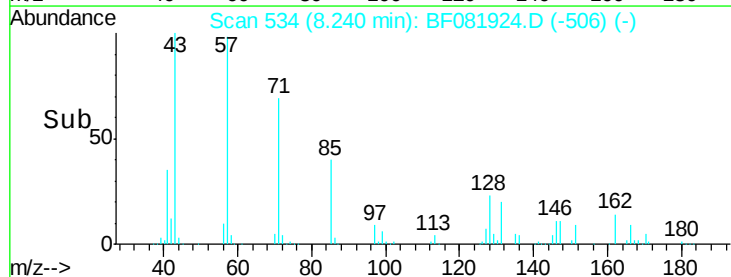
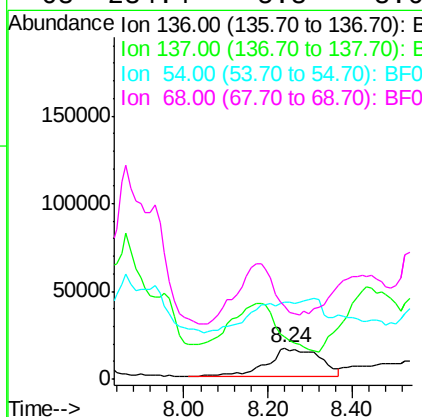
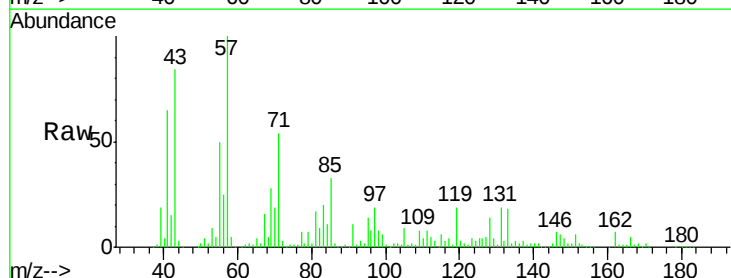
Ion Ratio Lower Upper

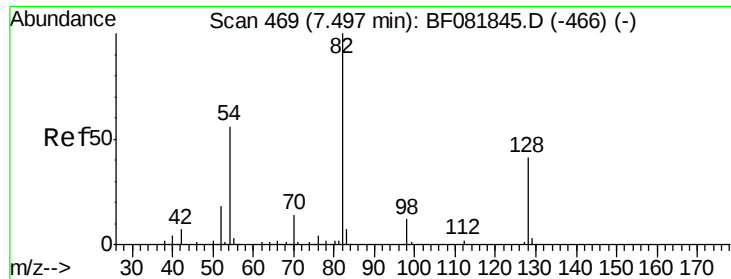
136 100

137 138.6 9.0 13.6#

54 248.0 8.2 12.2#

68 234.4 5.8 8.6#





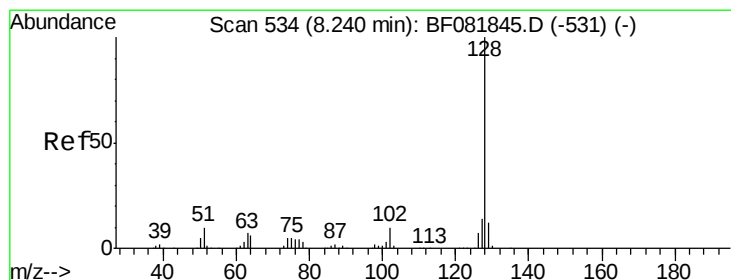
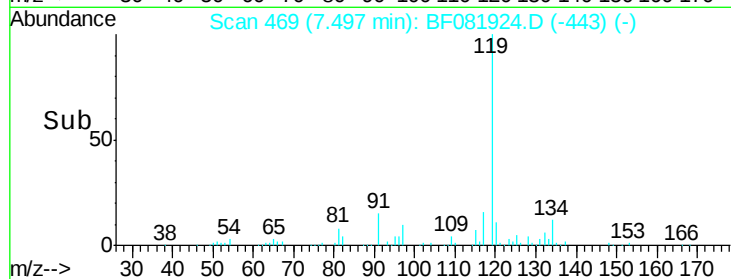
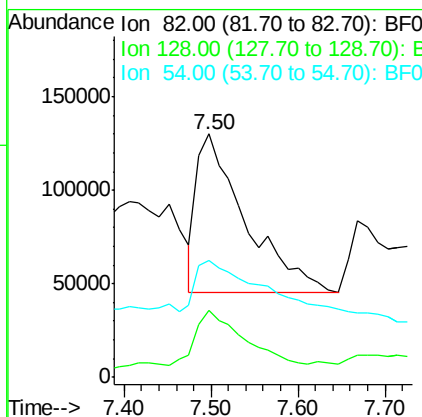
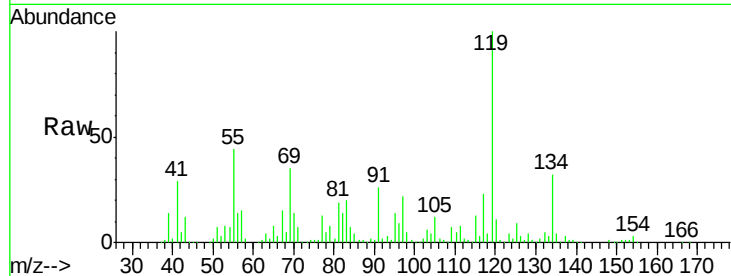
#23
 Nitrobenzene-d5
 Concen: 153.73 ng
 RT: 7.50 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	27.3	51.0	76.6#
54	48.1	47.5	71.3

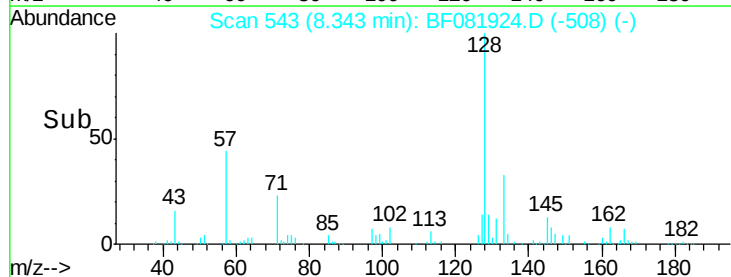
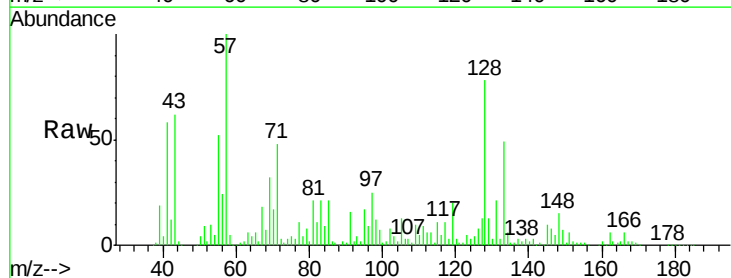
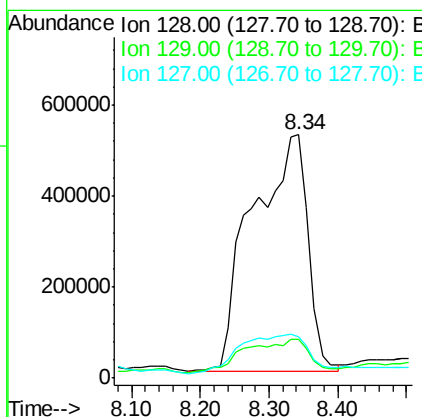
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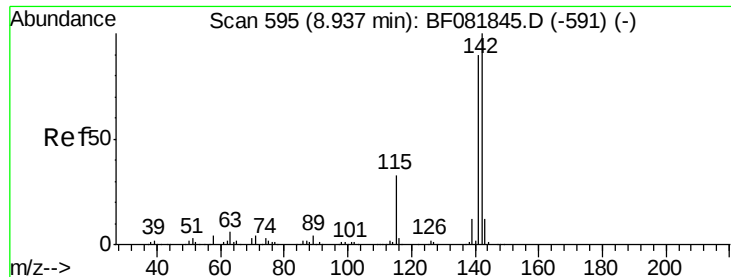
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#31
 Naphthalene
 Concen: 464.26 ng
 RT: 8.34 min Scan# 543
 Delta R.T. 0.10 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.0	8.4	12.6#
127	17.1	9.9	14.9#





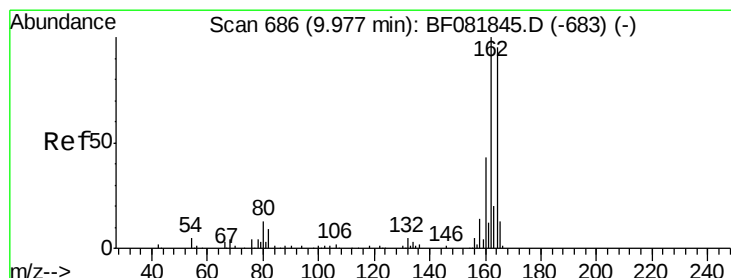
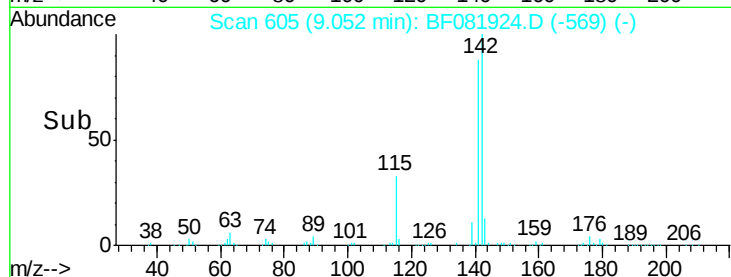
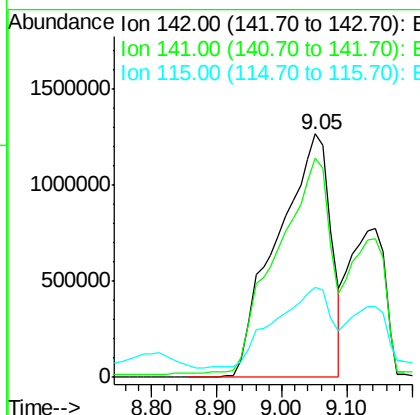
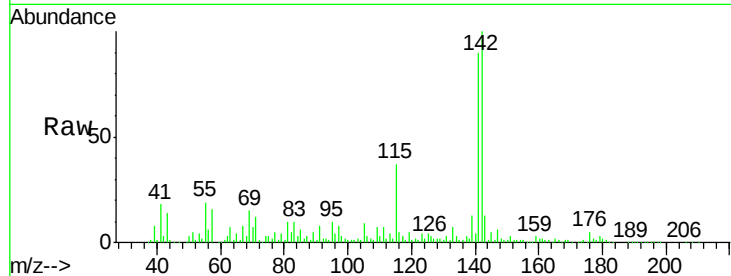
#37
 2-Methylnaphthalene
 Concen: 1663.17 ng
 RT: 9.05 min Scan# 605
 Delta R.T. 0.11 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tgt Ion:142 Resp: 7121561
 Ion Ratio Lower Upper
 142 100
 141 89.9 67.5 101.3
 115 37.1 18.2 27.2#

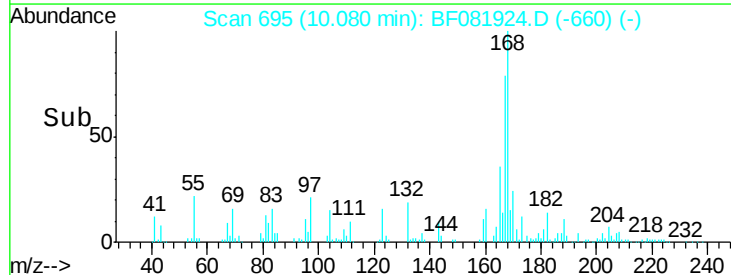
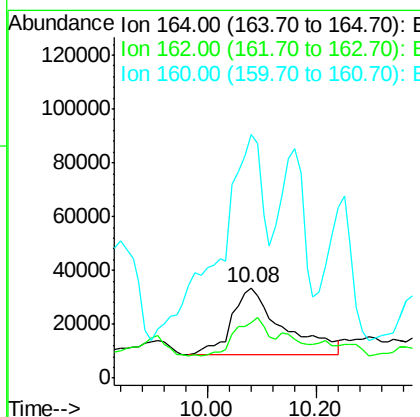
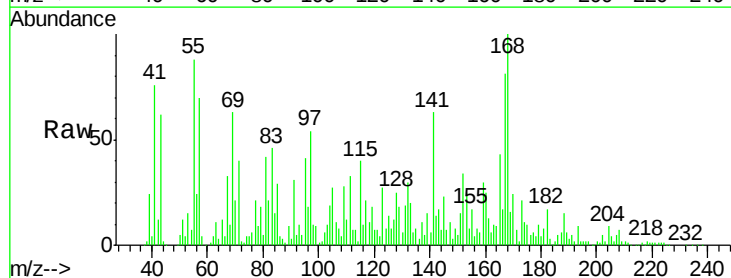
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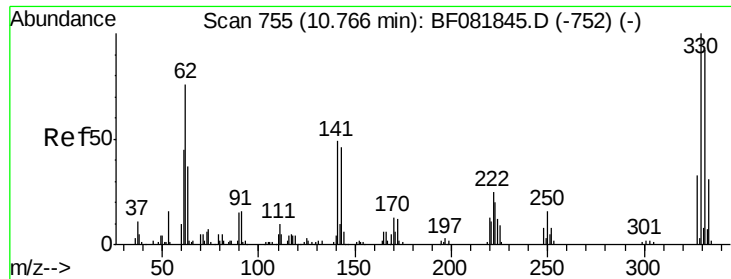
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.08 min Scan# 695
 Delta R.T. 0.10 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Tgt Ion:164 Resp: 158532
 Ion Ratio Lower Upper
 164 100
 162 61.6 75.2 112.8#
 160 269.6 31.5 47.3#





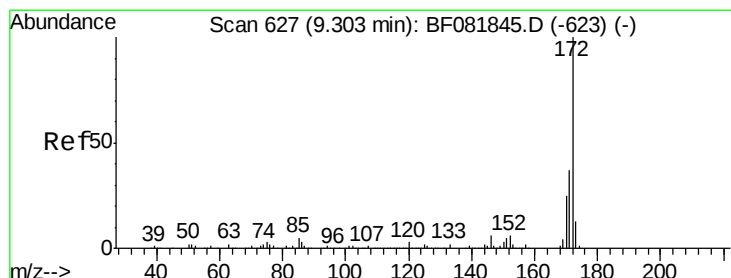
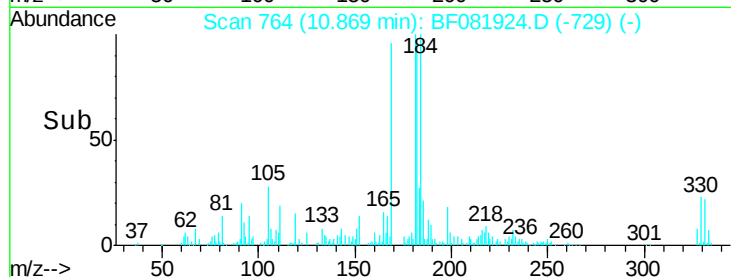
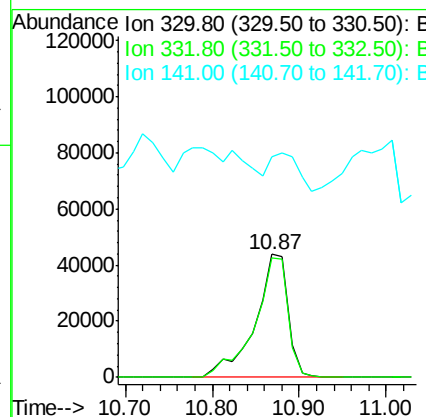
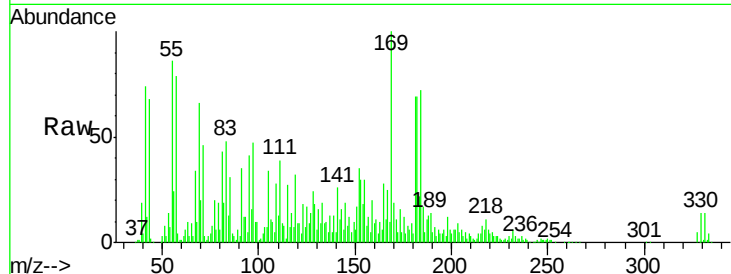
#41
 2,4,6-Tribromophenol
 Concen: 72.48 ng
 RT: 10.87 min Scan# 764
 Delta R.T. 0.10 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	116378		
332	97.3	76.6	114.8	
141	25.5	29.7	44.5#	

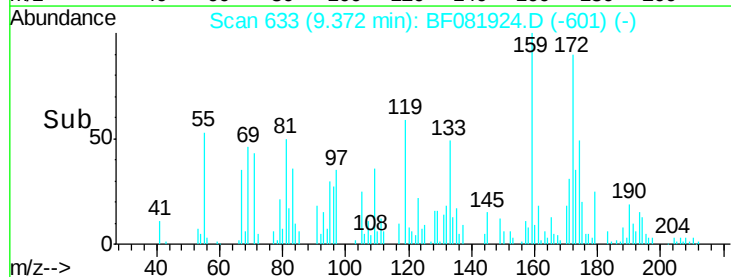
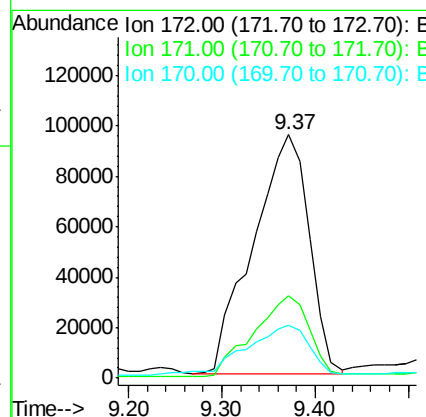
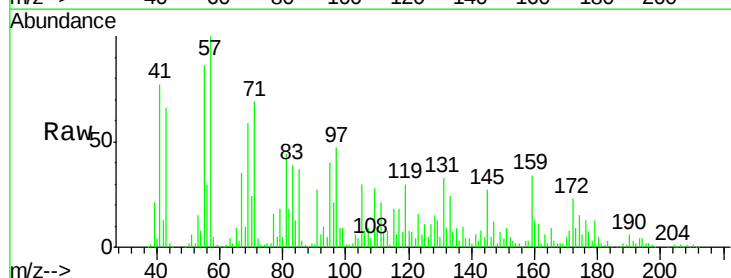
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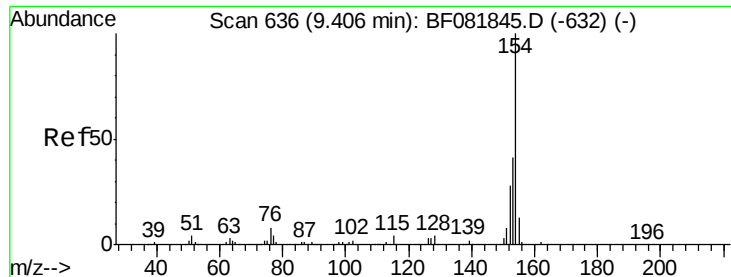
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#44
 2-Fluorobiphenyl
 Concen: 37.24 ng
 RT: 9.37 min Scan# 633
 Delta R.T. 0.07 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	395048		
171	33.8	26.1	39.1	
170	21.5	17.4	26.2	





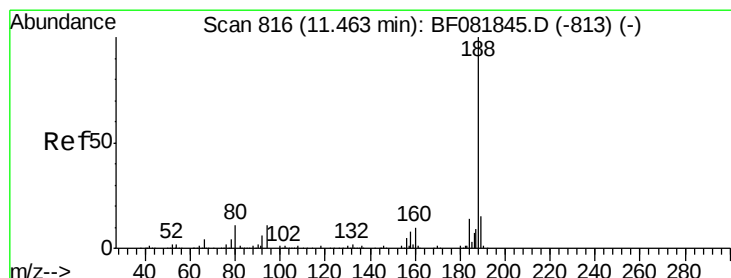
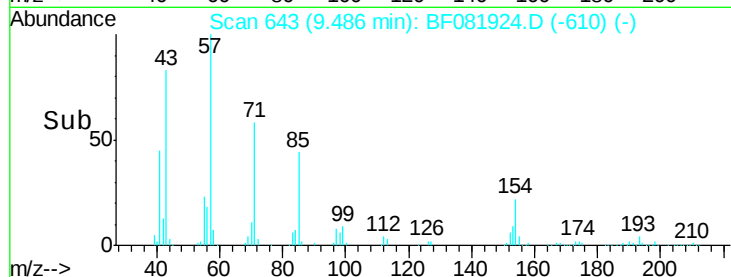
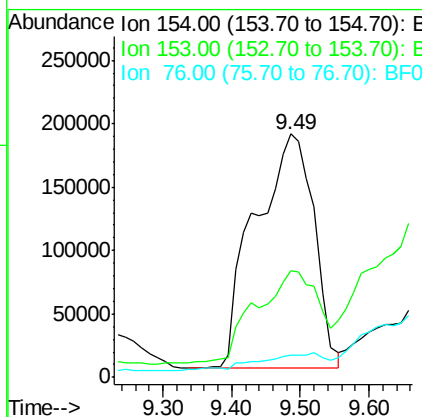
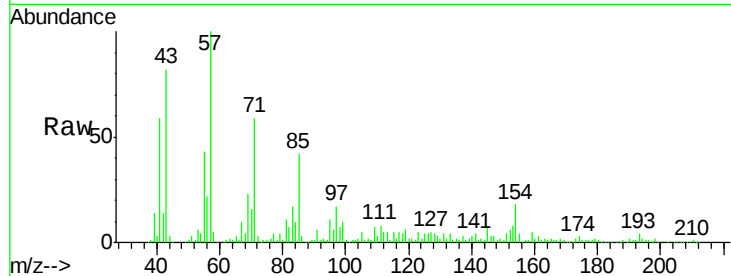
#45
 1,1'-Biphenyl
 Concen: 89.36 ng
 RT: 9.49 min Scan# 643
 Delta R.T. 0.08 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tgt Ion:154 Resp: 1092921
 Ion Ratio Lower Upper
 154 100
 153 44.0 17.1 57.1
 76 9.0 0.0 31.6

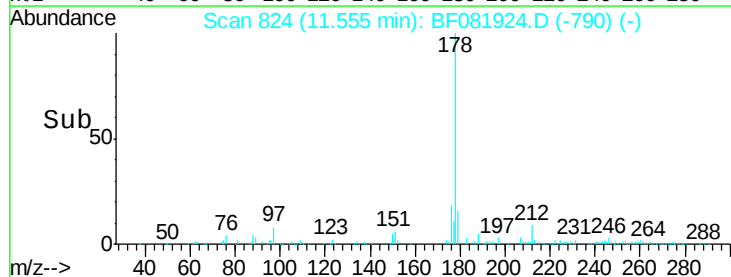
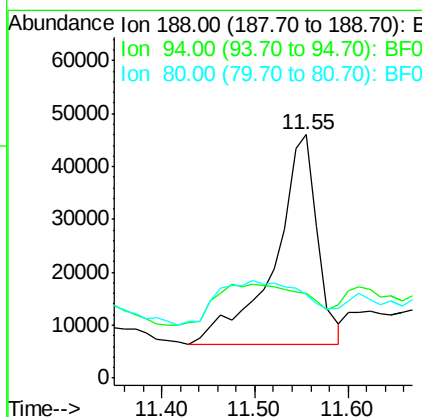
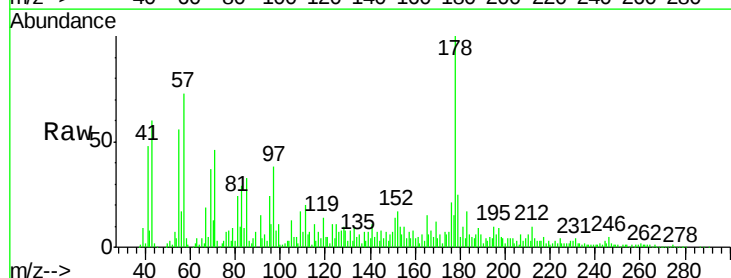
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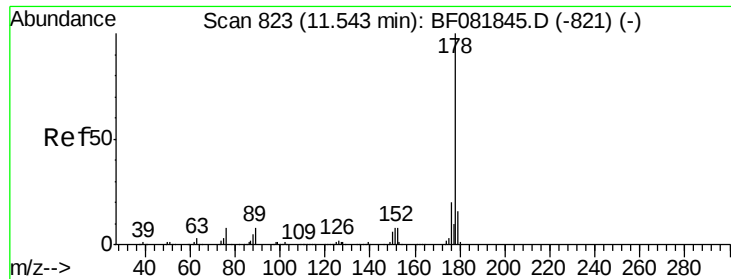
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.55 min Scan# 824
 Delta R.T. 0.09 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Tgt Ion:188 Resp: 128540
 Ion Ratio Lower Upper
 188 100
 94 34.8 11.1 16.7#
 80 34.1 11.0 16.4#





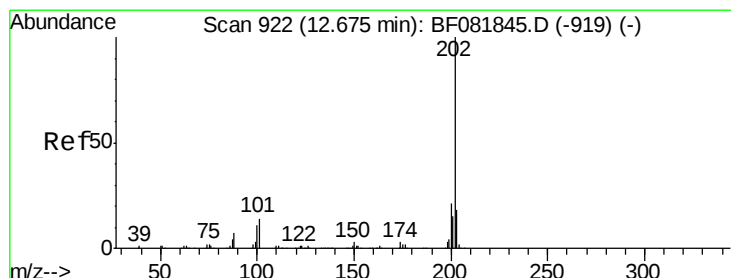
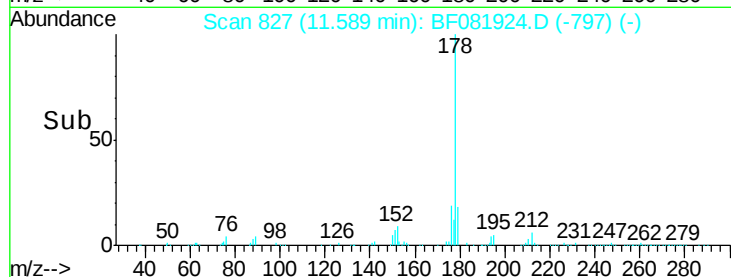
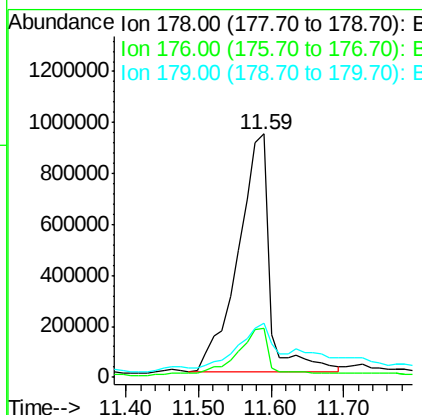
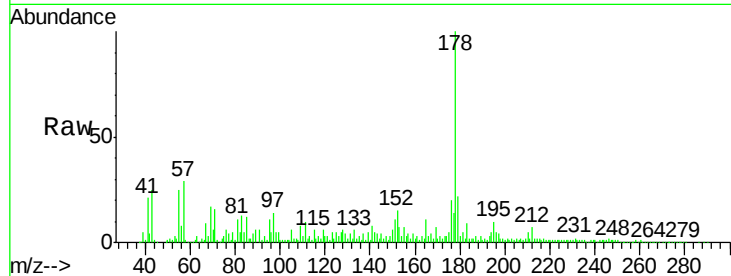
#71
 Anthracene
 Concen: 432.67 ng
 RT: 11.59 min Scan# 827
 Delta R.T. 0.05 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.1	21.1
179	22.1	12.2	18.2

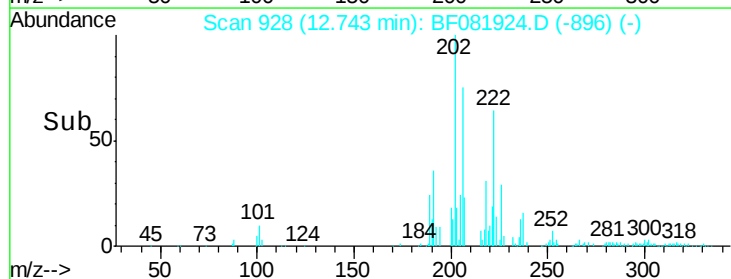
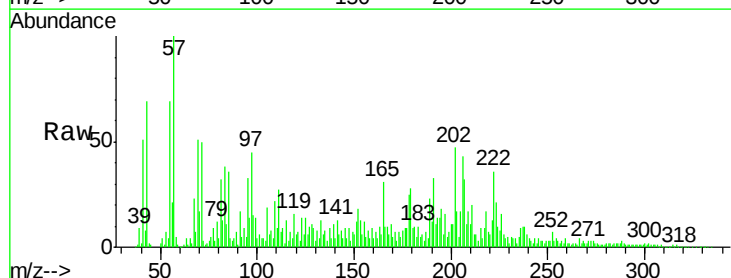
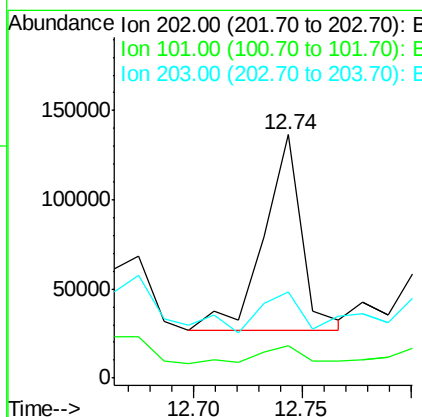
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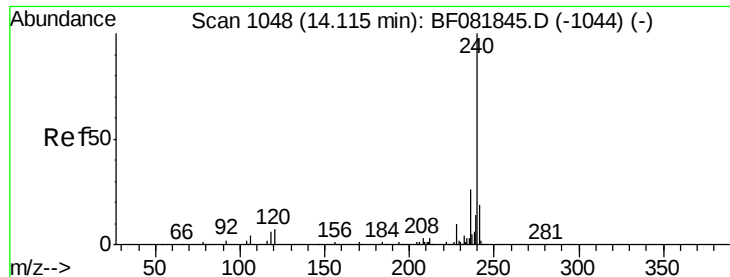
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#74
 Fluoranthene
 Concen: 19.43 ng
 RT: 12.74 min Scan# 928
 Delta R.T. 0.07 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	38.3
203	35.5	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF081924.D

Acq: 1 Oct 2015 2:24

Instrument :

BNA_F

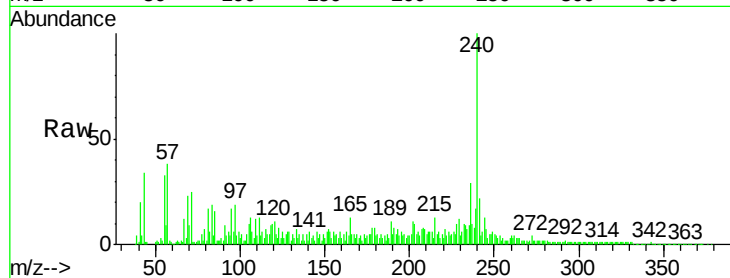
ClientSampleId :

016-TB-13(4-8)

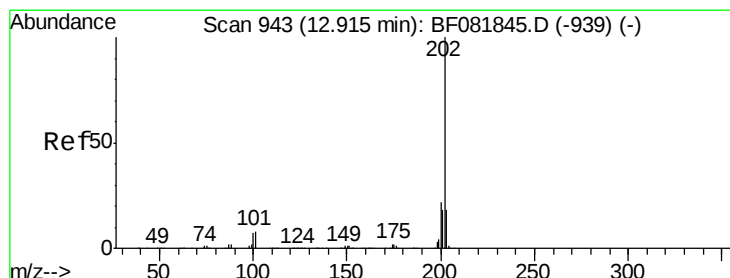
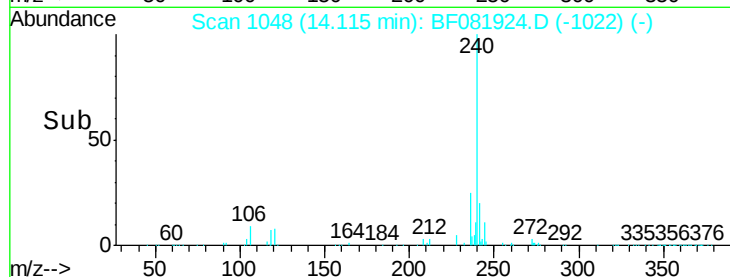
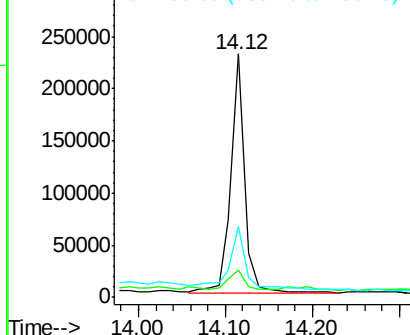
Tgt Ion:	240	Resp:	249503
Ion Ratio	Lower	Upper	
240	100		
120	11.4	16.2	24.2#
236	28.9	18.4	27.6#

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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: 30.56 ng m

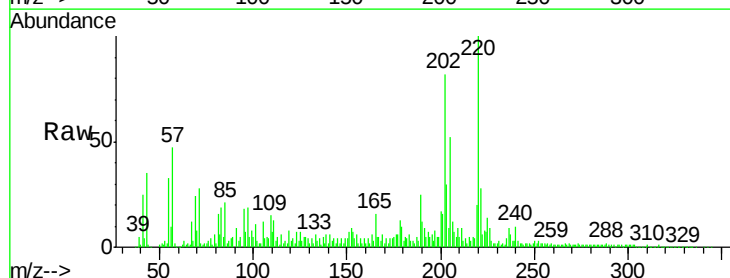
RT: 12.97 min Scan# 948

Delta R.T. 0.06 min

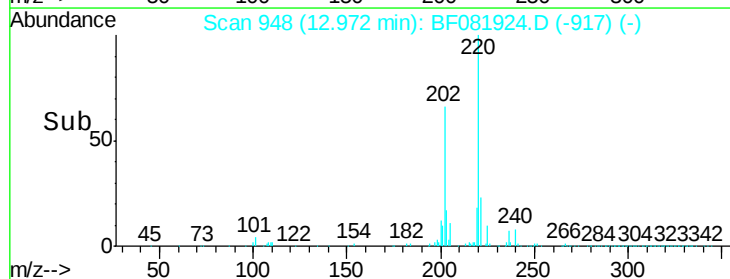
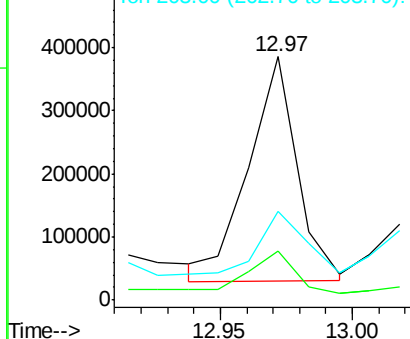
Lab File: BF081924.D

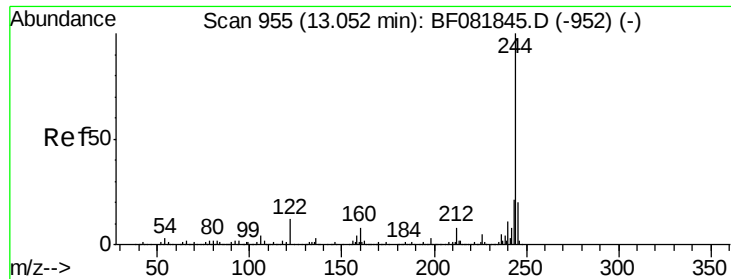
Acq: 1 Oct 2015 2:24

Tgt Ion:	202	Resp:	455453
Ion Ratio	Lower	Upper	
202	100		
200	20.2	15.0	22.4
203	36.7	14.1	21.1#



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





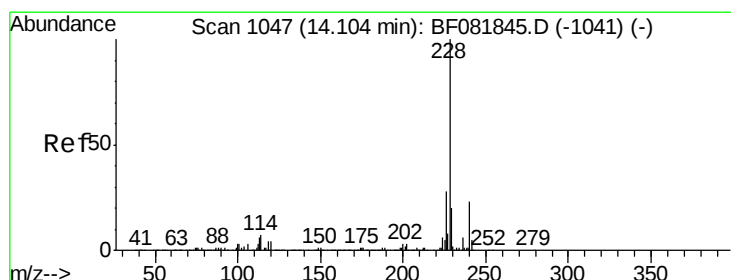
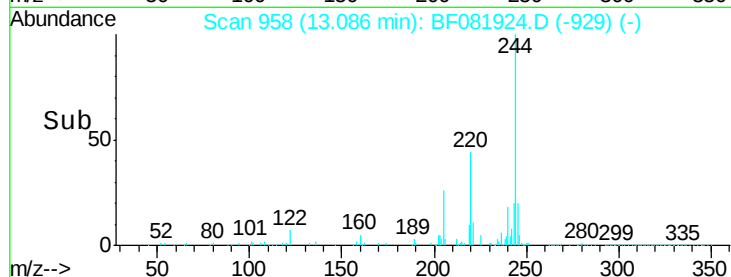
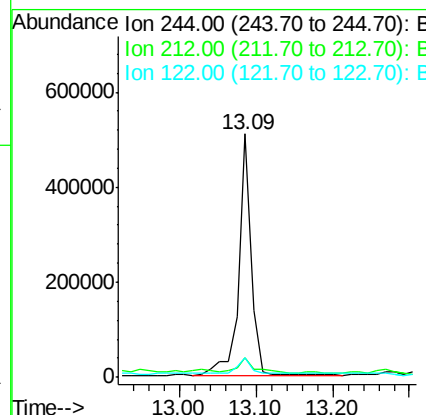
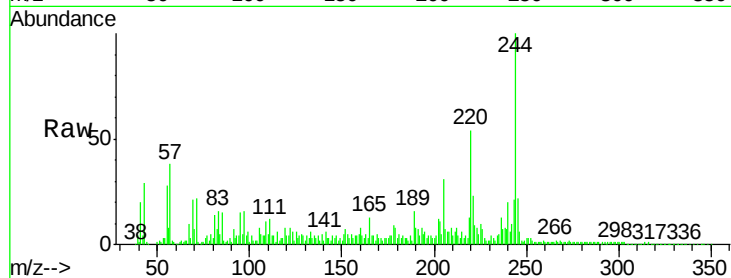
#78
 Terphenyl-d14
 Concen: 73.12 ng
 RT: 13.09 min Scan# 958
 Delta R.T. 0.03 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Instrument :
 BNA_F
 ClientSampleId :
 016-TB-13(4-8)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	4.3	6.5#
122	8.3	17.4	26.2#

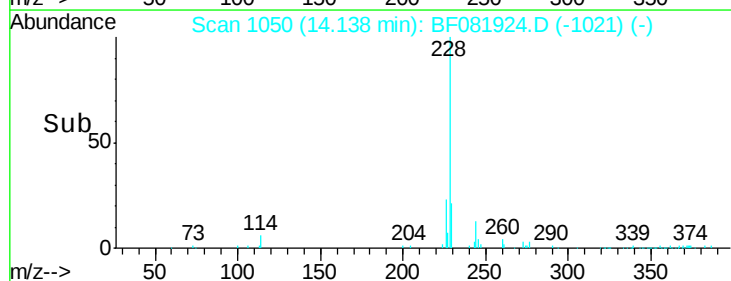
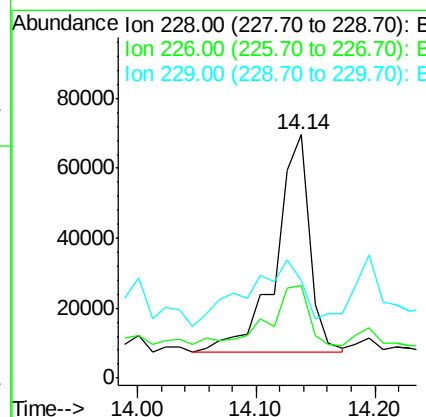
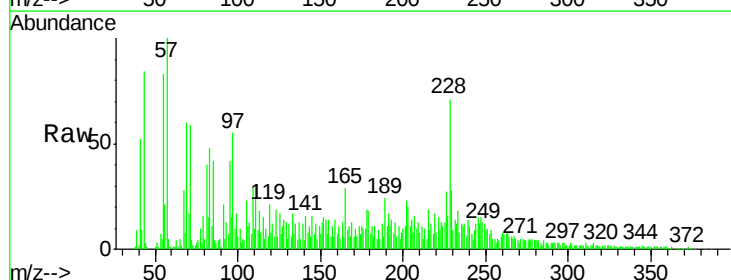
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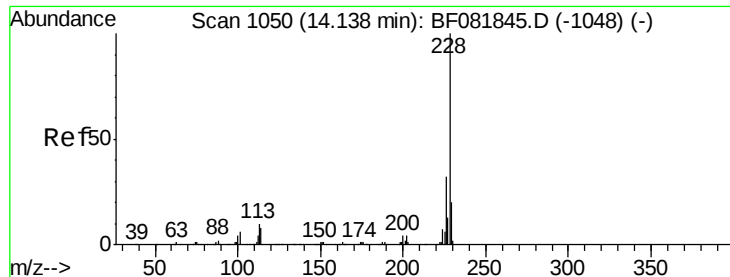
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#80
 Benzo(a)anthracene
 Concen: 9.10 ng
 RT: 14.14 min Scan# 1050
 Delta R.T. 0.03 min
 Lab File: BF081924.D
 Acq: 1 Oct 2015 2:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.1	20.0	30.0#
229	40.1	15.4	23.2#





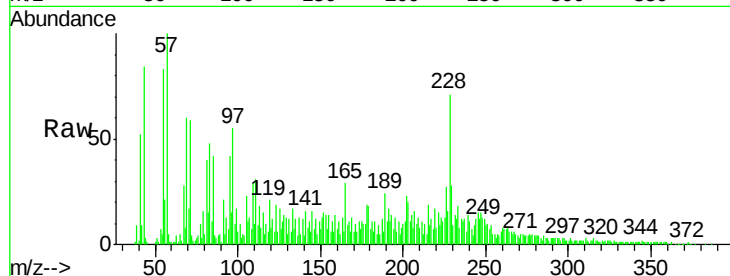
#82
Chrysene
Concen: 8.01 ng
RT: 14.14 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF081924.D
Acq: 1 Oct 2015 2:24

Instrument :
BNA_F
ClientSampleId :
016-TB-13(4-8)

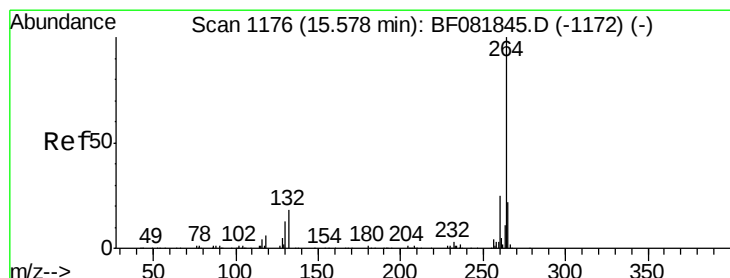
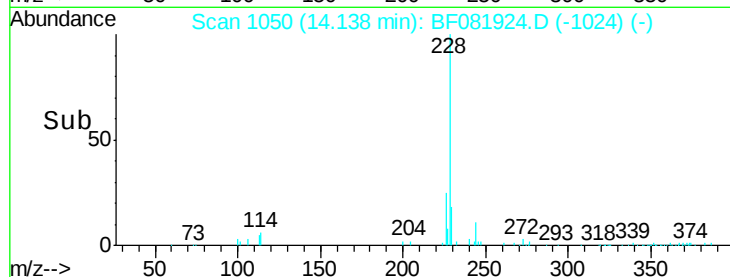
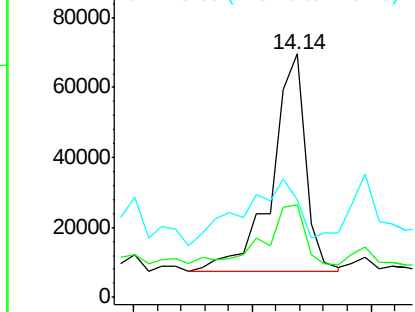
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	38.1	21.0	31.4#
229	40.1	15.6	23.4#

Manual Integrations
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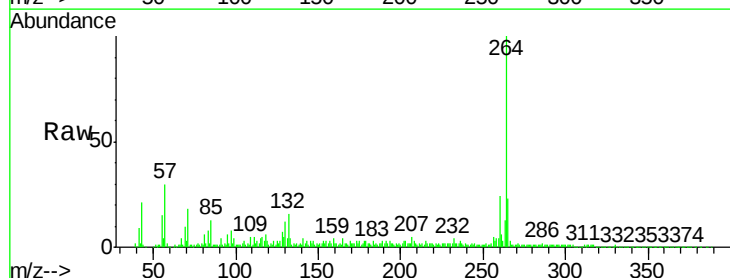


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF081924.D
Acq: 1 Oct 2015 2:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.1	16.7	25.1
265	22.7	17.2	25.8



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

