

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083296.D
 Acq On : 26 Nov 2015 2:13
 Operator : UM/IZ
 Sample : G4426-05RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5RE

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:49 PM

Quant Time: Nov 26 03:41:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	147482	20.00	ng	-0.07
21) Naphthalene-d8	7.92	136	389528	20.00	ng	-0.03
38) Acenaphthene-d10	9.72	164	137424m	20.00	ng	0.02
63) Phenanthrene-d10	11.19	188	211756	20.00	ng	0.01
75) Chrysene-d12	13.74	240	370390	20.00	ng	-0.07
86) Perylene-d12	15.09	264	267820	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1120707	114.89	ng	-0.09
7) Phenol-d6	6.27	99	1766871	139.99	ng	-0.07
23) Nitrobenzene-d5	7.18	82	1260789	147.90	ng	-0.06
41) 2,4,6-Tribromophenol	10.51	330	92373	65.70	ng	0.02
44) 2-Fluorobiphenyl	9.04	172	900736	91.40	ng	0.01
78) Terphenyl-d14	12.74	244	1072713	68.20	ng	-0.02
Target Compounds						
31) Naphthalene	7.98	128	7705812	366.55	ng	Qvalue # 86
37) 2-Methylnaphthalene	8.71	142	13772567m	1009.45	ng	
57) Fluorene	10.27	166	1574556m	155.51	ng	
70) Phenanthrene	11.22	178	5014654	411.03	ng	# 90

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

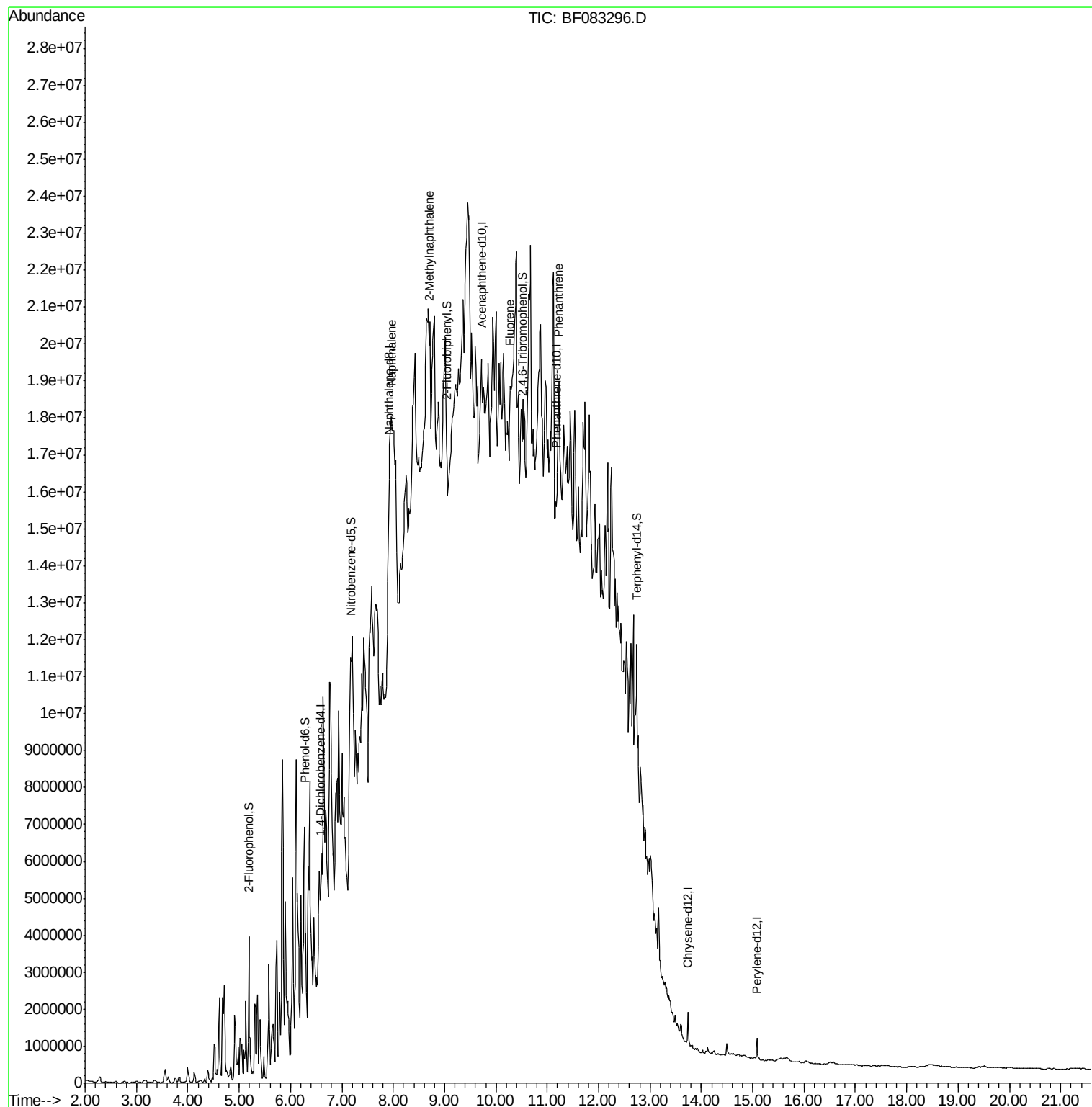
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083296.D
Acq On : 26 Nov 2015 2:13
Operator : UM/IZ
Sample : G4426-05RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

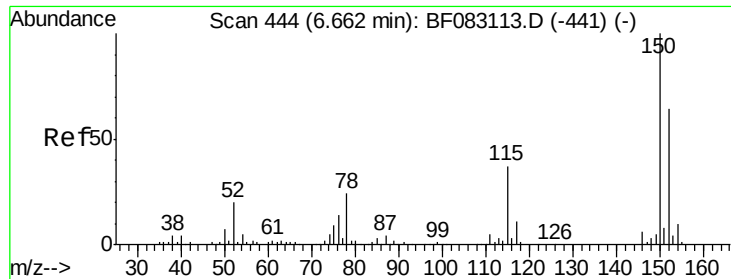
Instrument :
BNA_F
ClientSampleId :
SB-5RE

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11/26/2015 6:43:49 PM

Quant Time: Nov 26 03:41:15 2015
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

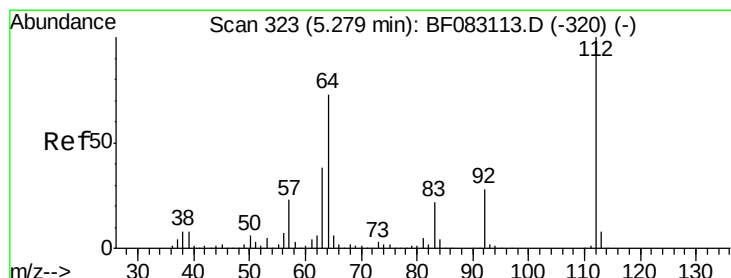
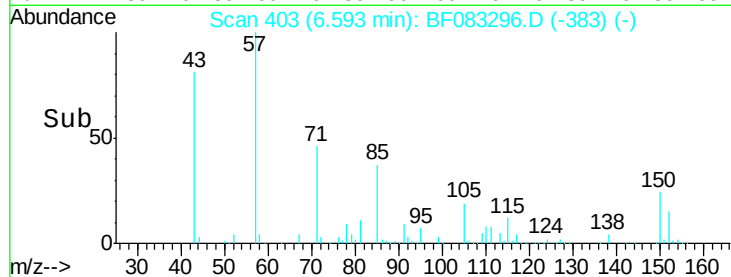
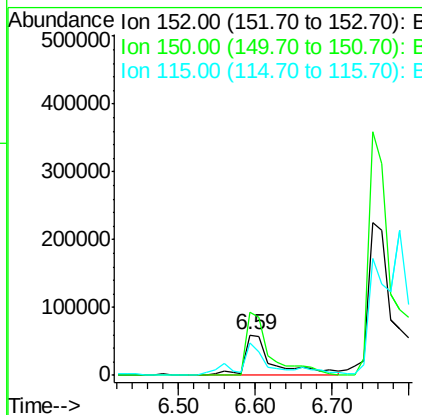
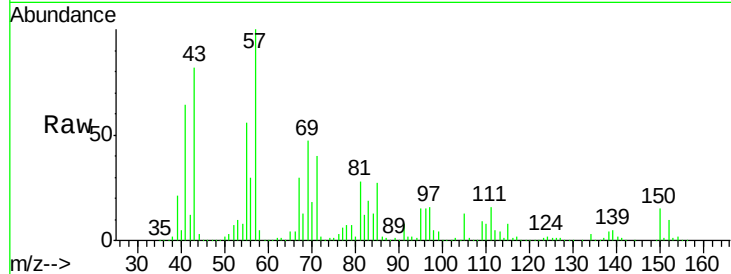
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 403
Delta R.T. -0.07 min
Lab File: BF083296.D
Acq: 26 Nov 2015 2:13

Instrument :
BNA_F
ClientSampleId :
SB-5RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.8	188.8
115	79.4	46.9	70.3

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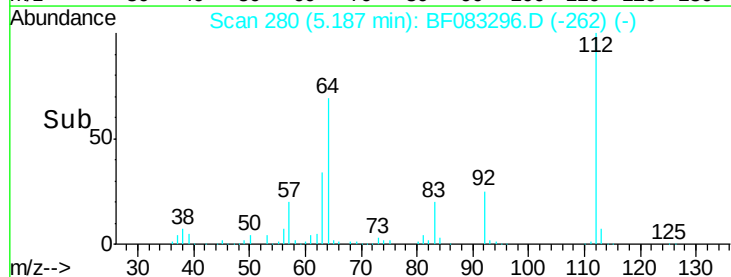
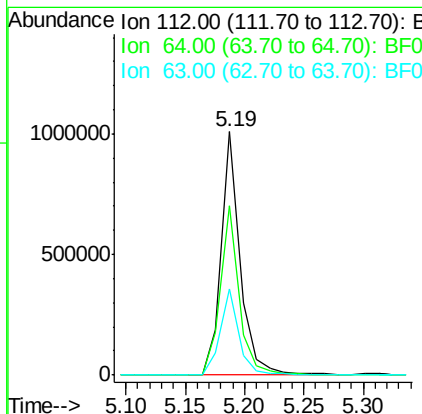
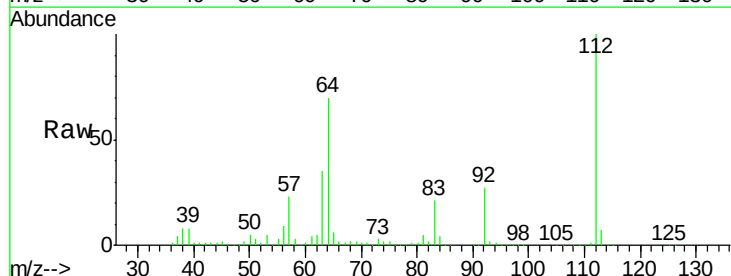
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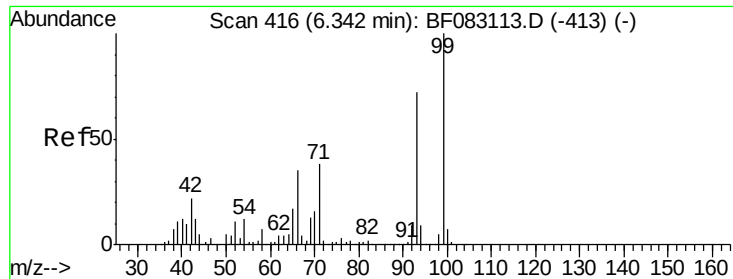


#5

2-Fluorophenol
Concen: 114.89 ng
RT: 5.19 min Scan# 280
Delta R.T. -0.09 min
Lab File: BF083296.D
Acq: 26 Nov 2015 2:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	58.4	87.6
63	35.2	30.0	45.0





#7

Phenol-d6

Concen: 139.99 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SB-5RE

Tot Ion: 99 Resp: 1766871

Ion Ratio Lower Upper

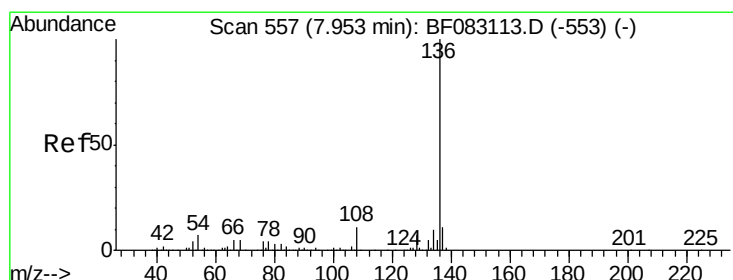
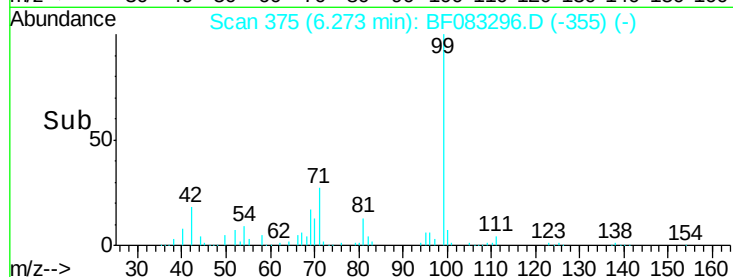
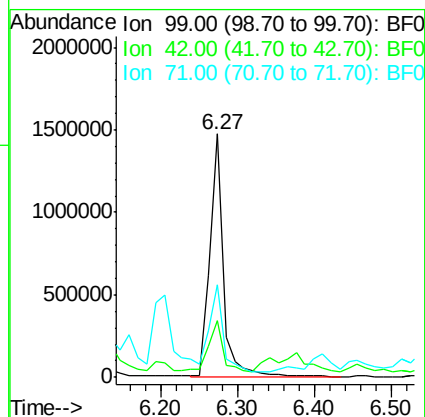
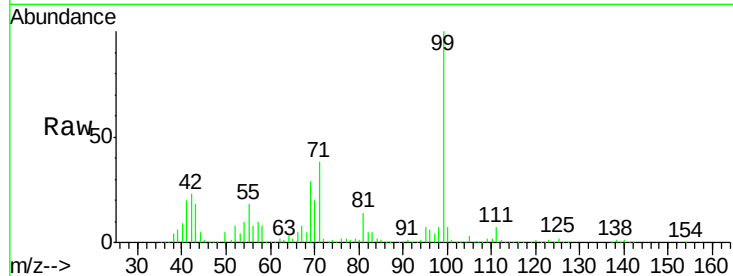
99 100

42 23.2 17.7 26.5

71 37.8 30.2 45.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 519

Delta R.T. -0.03 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

Tgt Ion: 136 Resp: 389528

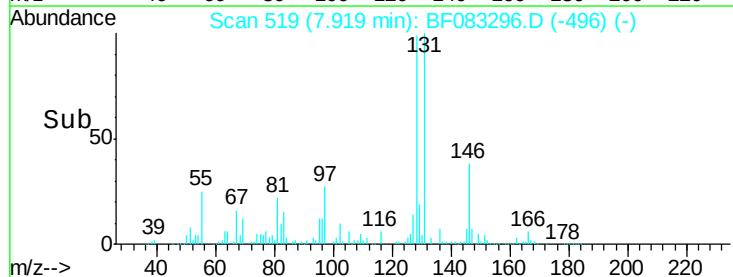
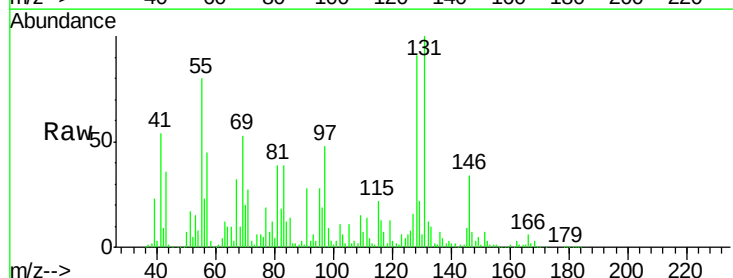
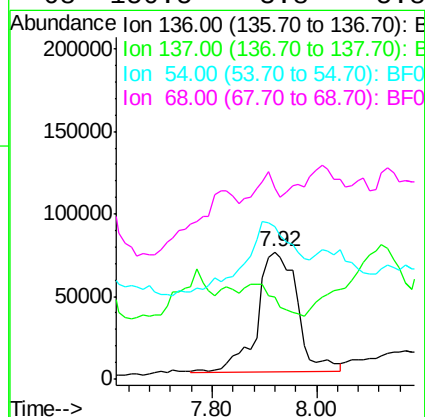
Ion Ratio Lower Upper

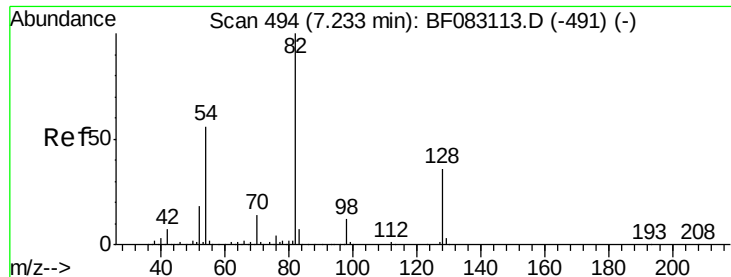
136 100

137 64.4 8.7 13.1#

54 120.2 5.8 8.6#

68 150.5 3.8 5.8#





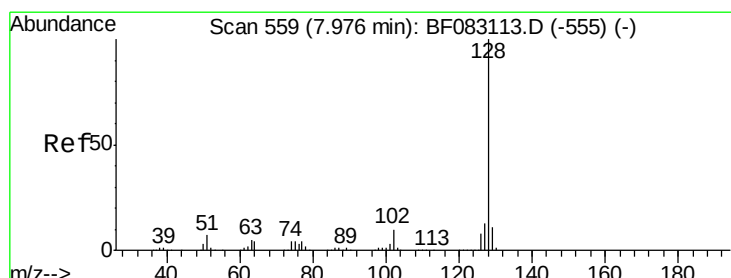
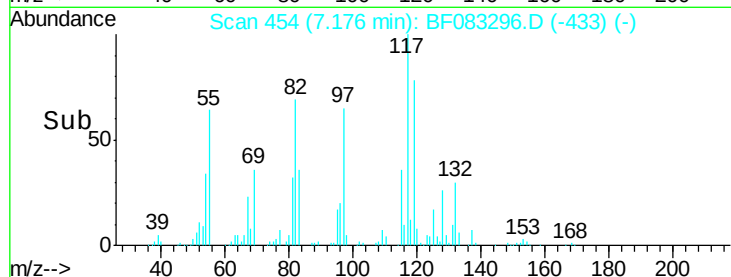
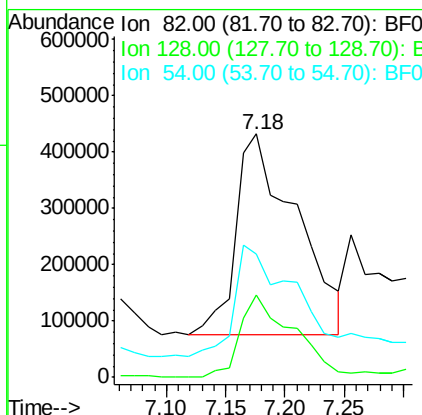
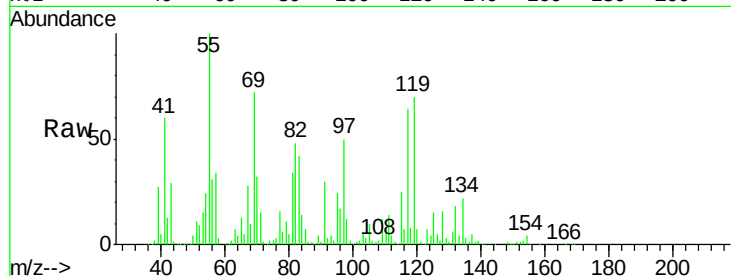
#23
 Nitrobenzene-d5
 Concen: 147.90 ng
 RT: 7.18 min Scan# 454
 Delta R.T. -0.06 min
 Lab File: BF083296.D
 Acq: 26 Nov 2015 2:13

Instrument :
 BNA_F
 ClientSampleID :
 SB-5RE

Tot Ion	82	Resp	1260789
Ion Ratio	100	Lower	Upper
82	100		
128	33.7	28.5	42.7
54	50.8	44.6	67.0

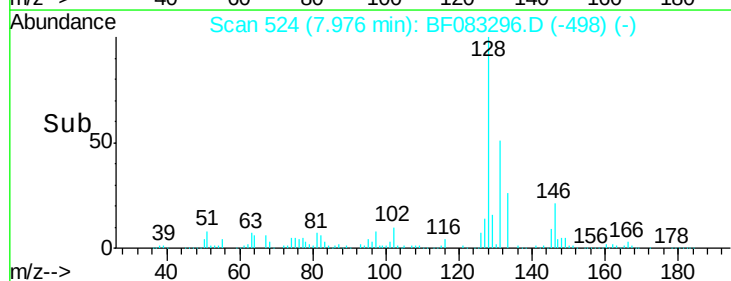
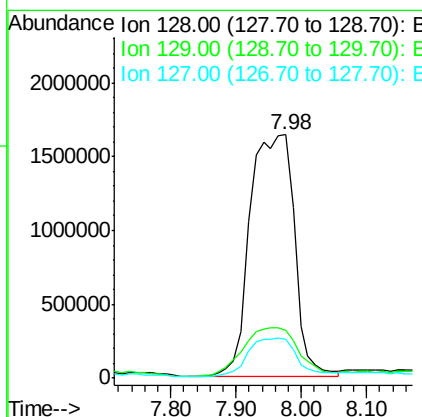
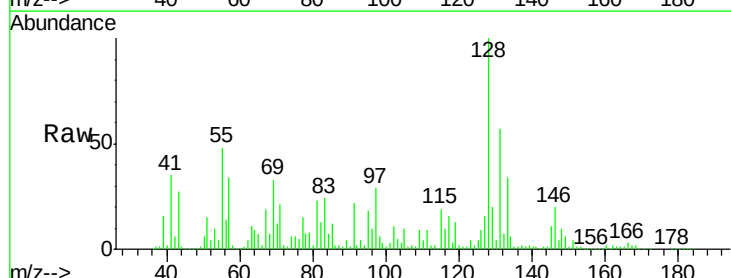
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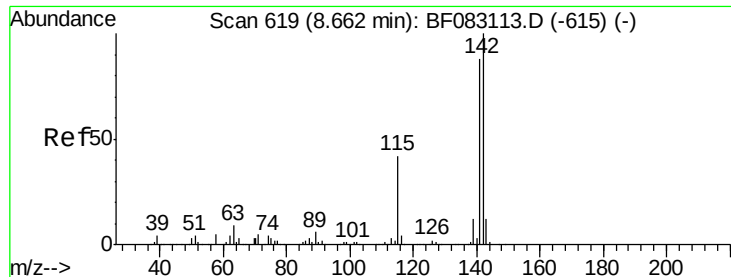
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#31
 Naphthalene
 Concen: 366.55 ng
 RT: 7.98 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF083296.D
 Acq: 26 Nov 2015 2:13

Tgt Ion	128	Resp	7705812
Ion Ratio	100	Lower	Upper
128	100		
129	19.6	9.0	13.4#
127	16.0	10.6	15.8#





#37

2-Methylnaphthalene

Concen: 1009.45 ng m

RT: 8.71 min Scan# 588

Delta R.T. 0.05 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SB-5RE

Tot Ion:142 Resp:13772567

Ion Ratio Lower Upper

142 100

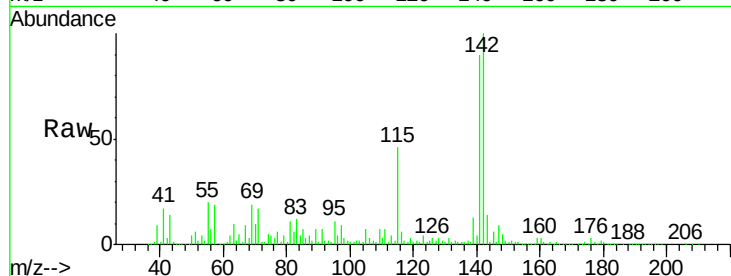
141 90.2 70.3 105.5

115 46.3 33.4 50.2

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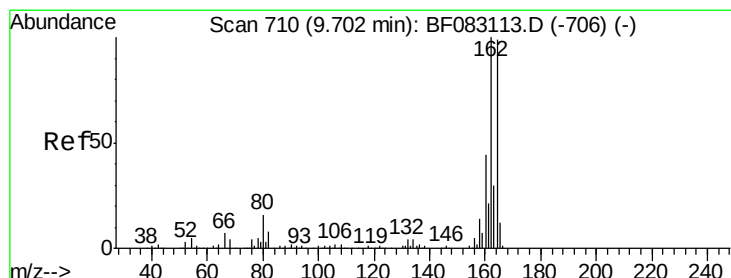
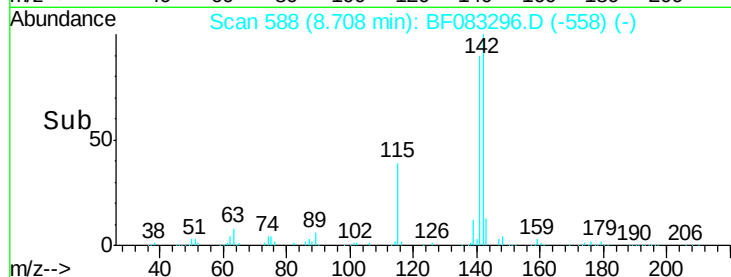
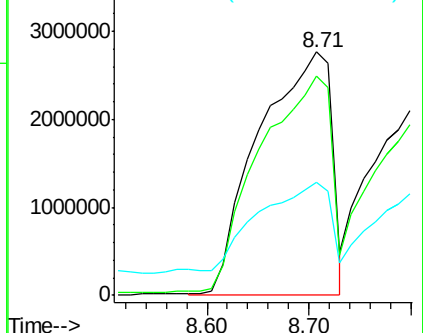
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng m

RT: 9.72 min Scan# 677

Delta R.T. 0.02 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

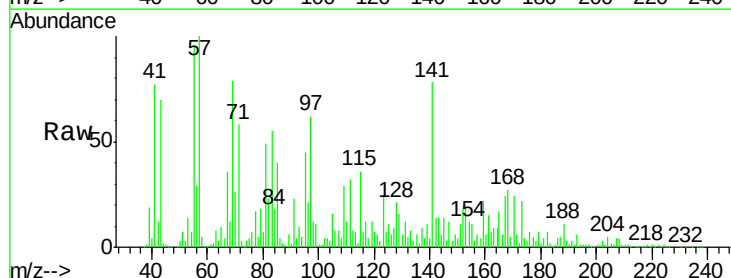
Tgt Ion:164 Resp: 137424

Ion Ratio Lower Upper

164 100

162 83.5 81.2 121.8

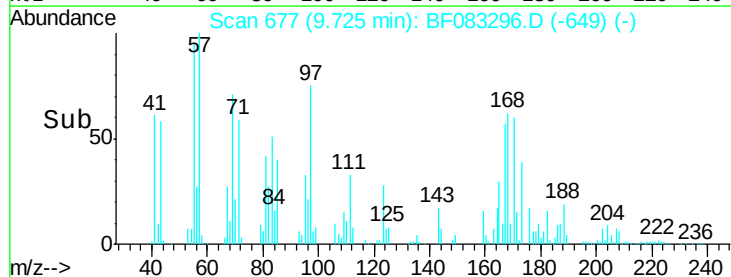
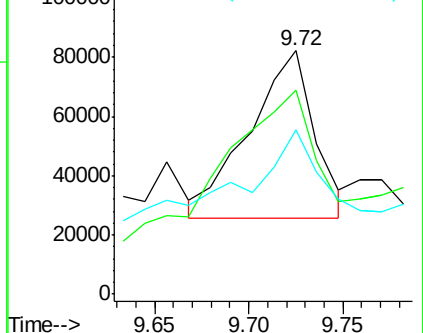
160 67.5 35.6 53.4#

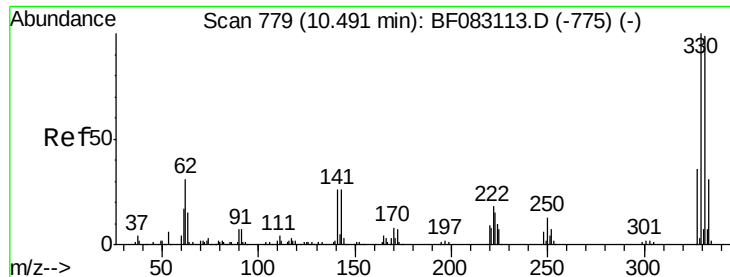


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





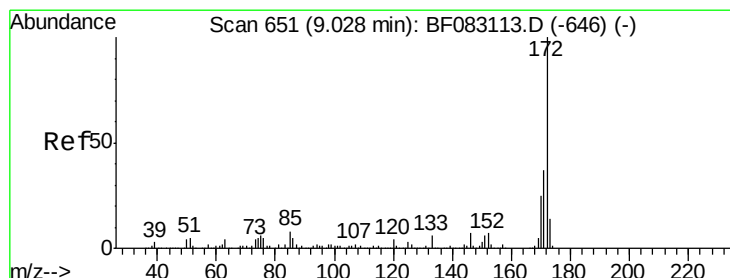
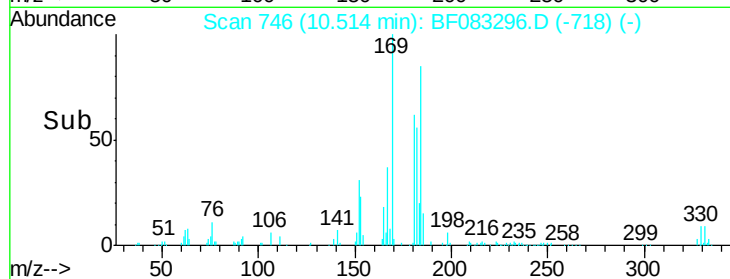
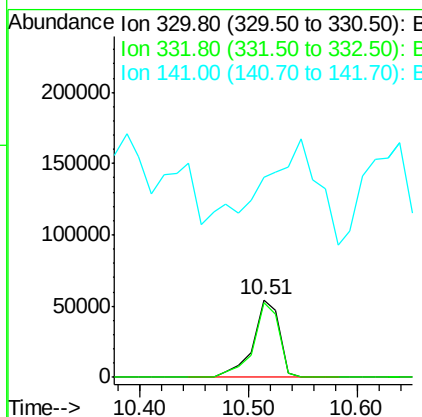
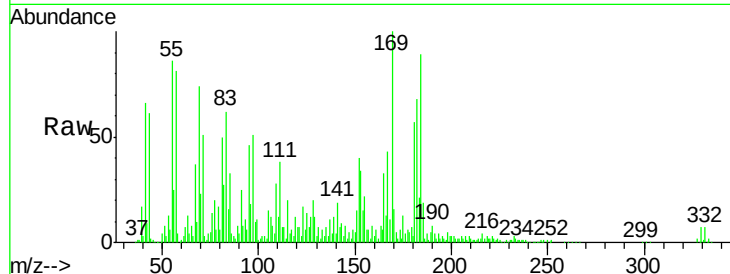
#41
 2,4,6-Tribromophenol
 Concen: 65.70 ng
 RT: 10.51 min Scan# 746
 Delta R.T. 0.02 min
 Lab File: BF083296.D
 Acq: 26 Nov 2015 2:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-5RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.7	116.5
141	0.0	29.7	44.5#

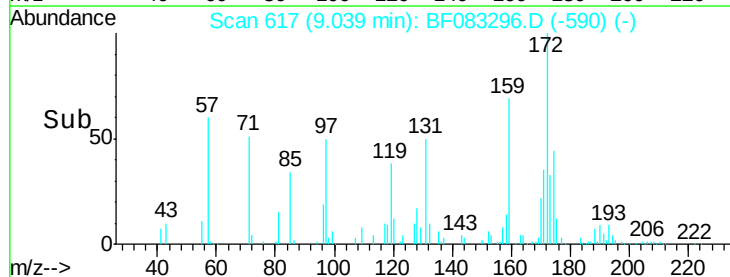
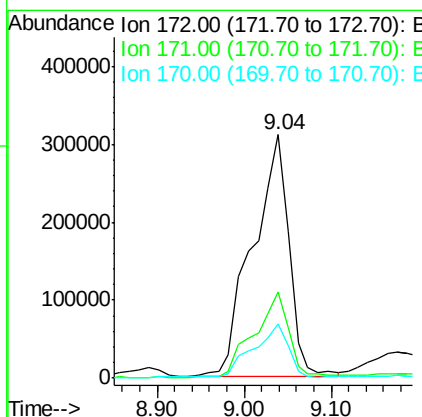
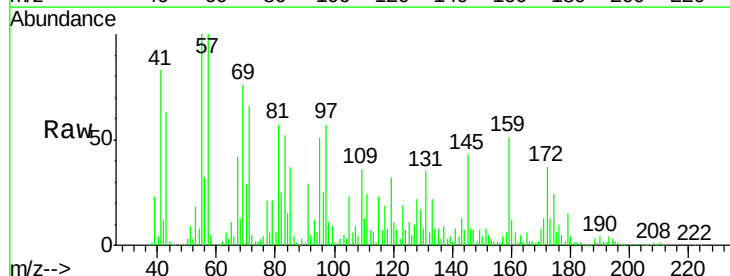
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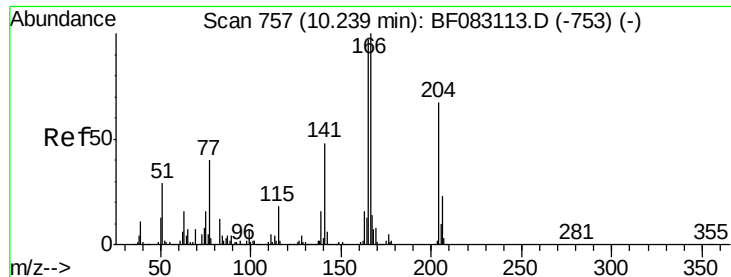
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#44
 2-Fluorobiphenyl
 Concen: 91.40 ng
 RT: 9.04 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: BF083296.D
 Acq: 26 Nov 2015 2:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.5	44.3
170	22.3	19.9	29.9





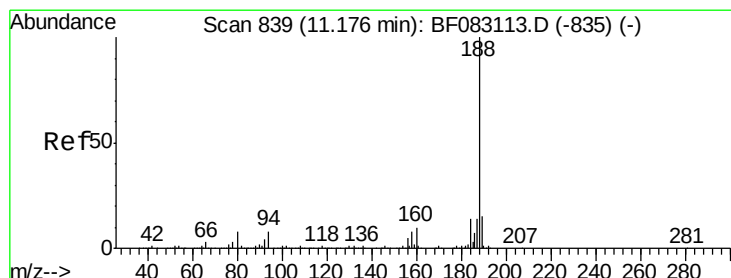
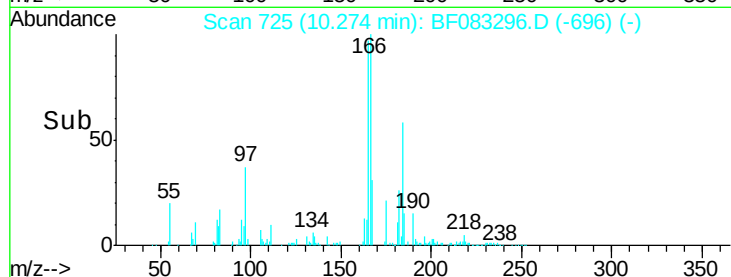
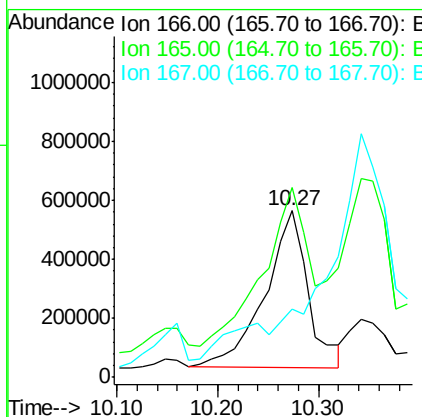
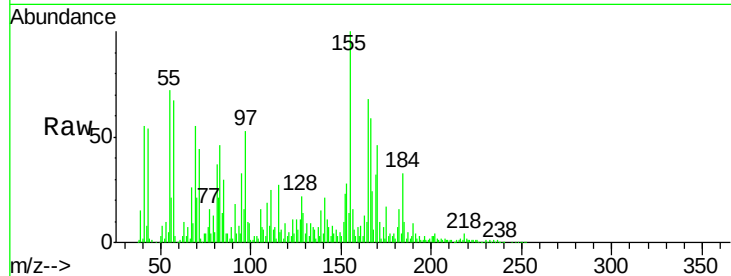
#57
 Fluorene
 Concen: 155.51 ng m
 RT: 10.27 min Scan# 725
 Delta R.T. 0.03 min
 Lab File: BF083296.D
 Acq: 26 Nov 2015 2:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-5RE

Tot Ion:166 Resp: 1574556
 Ion Ratio Lower Upper
 166 100
 165 114.5 78.0 117.0
 167 41.3 11.3 16.9#

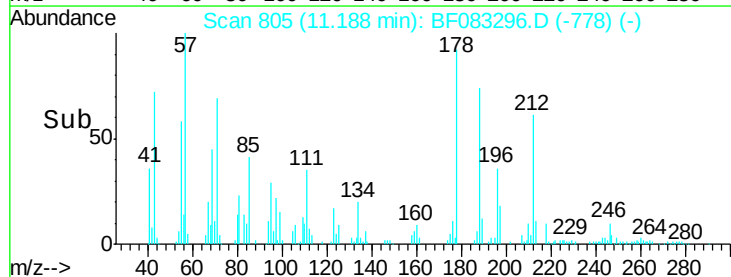
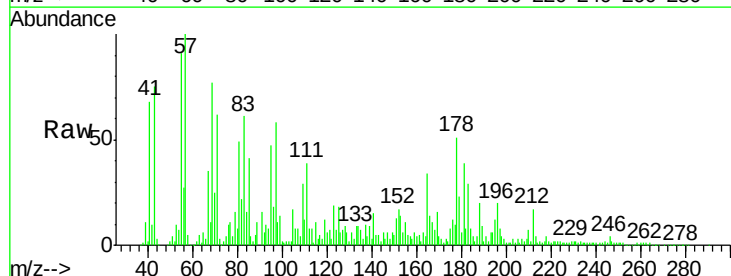
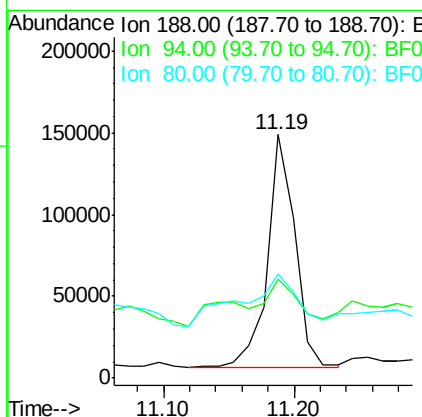
Manual Integrations
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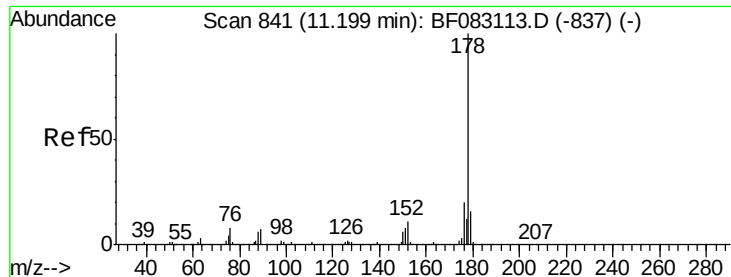
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: BF083296.D
 Acq: 26 Nov 2015 2:13

Tgt Ion:188 Resp: 211756
 Ion Ratio Lower Upper
 188 100
 94 40.7 6.0 9.0#
 80 42.9 6.7 10.1#





#70

Phenanthrene

Concen: 411.03 ng

RT: 11.22 min Scan# 808

Delta R.T. 0.02 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

Instrument :

BNA_F

ClientSampleId :

SB-5RE

Tot Ion:178 Resp: 5014654

Ion Ratio Lower Upper

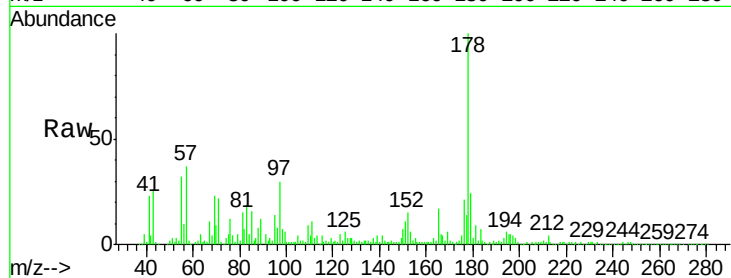
178 100

176 21.1 16.2 24.2

179 24.1 12.8 19.2#

Manual Integrations
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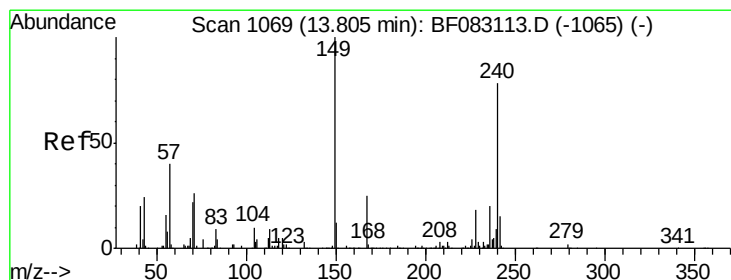
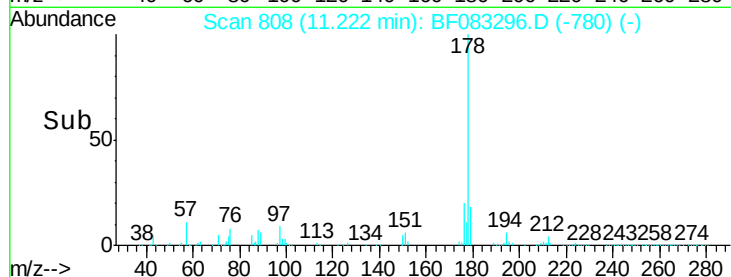
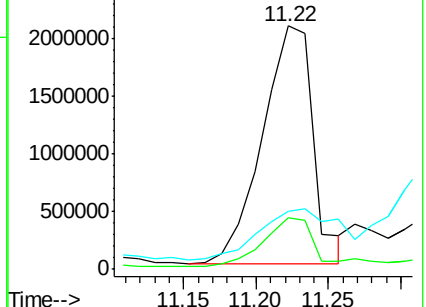
mmdadoda
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1028

Delta R.T. -0.07 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

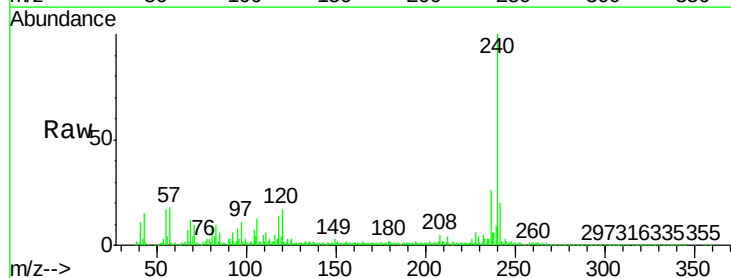
Tgt Ion:240 Resp: 370390

Ion Ratio Lower Upper

240 100

120 16.9 5.4 8.2#

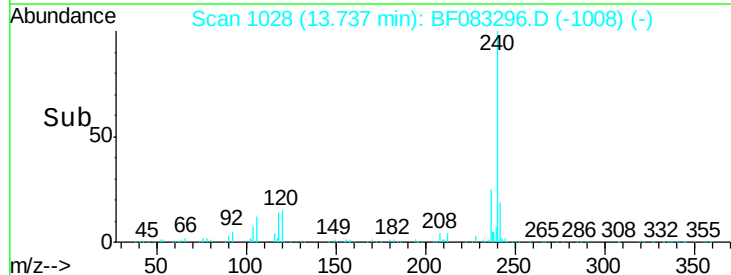
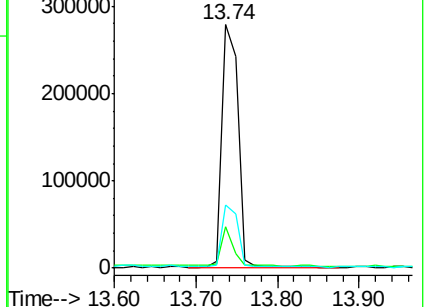
236 25.8 20.6 31.0

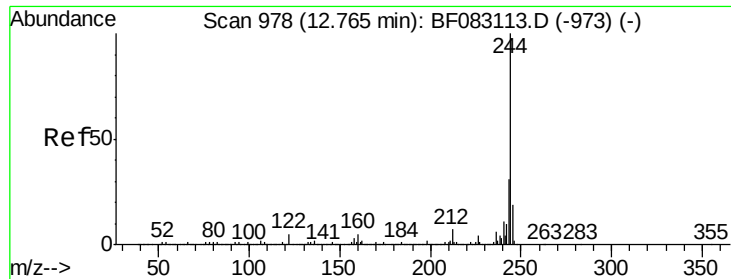


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 68.20 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

Instrument :

BNA_F

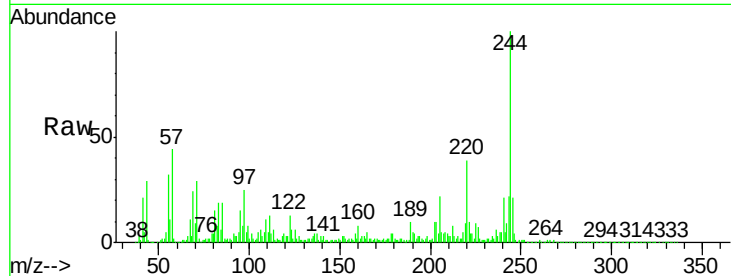
ClientSampled :

SB-5RE

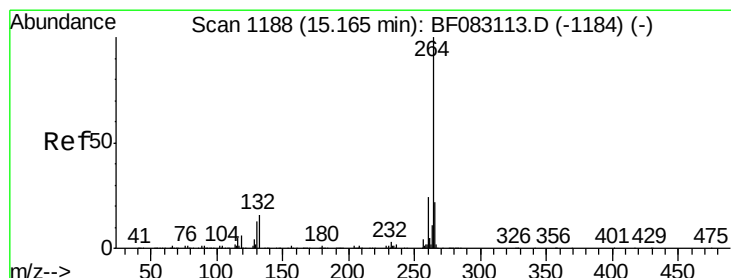
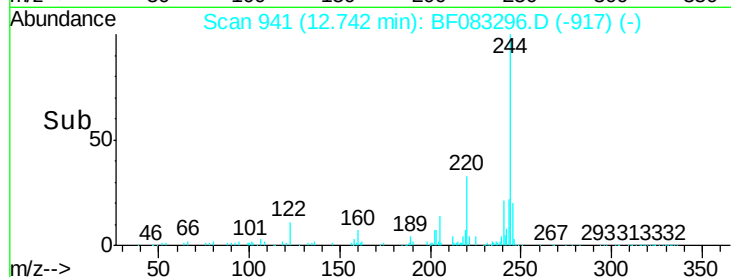
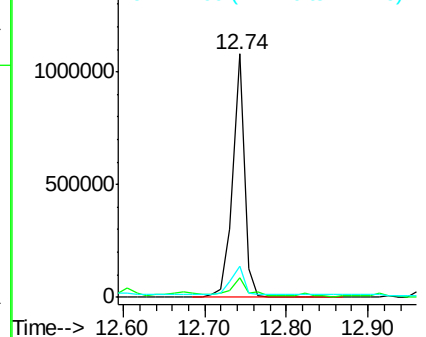
Tot Ion:	244	Resp:	1072713
Ion Ratio	Lower	Upper	
244	100		
212	7.9	5.4	8.2
122	12.8	4.3	6.5#

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:49 PM



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: 20.00 ng

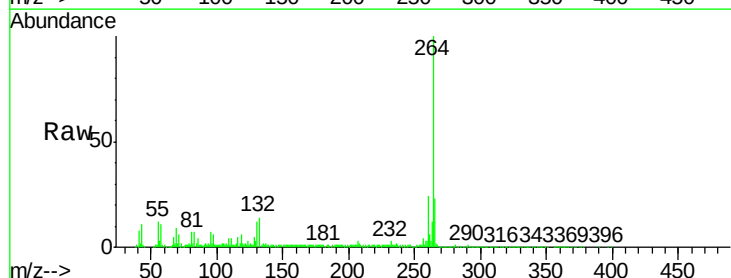
RT: 15.09 min Scan# 1146

Delta R.T. -0.08 min

Lab File: BF083296.D

Acq: 26 Nov 2015 2:13

Tgt Ion:	264	Resp:	267820
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.1	28.7
265	22.8	18.2	27.4



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

