

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\
 Data File : BF084286.D
 Acq On : 6 Jan 2016 13:33
 Operator : SJ/UM
 Sample : G4949-04DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(19.0-19.5)DL

Manual Integrations
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Quant Time: Jan 07 03:35:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	229264	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	802467	20.00	ng	-0.03
38) Acenaphthene-d10	9.92	164	332228	20.00	ng	-0.03
63) Phenanthrene-d10	11.40	188	643225	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	678816	20.00	ng	-0.05
86) Perylene-d12	15.45	264	553606	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	421657	29.75	ng	-0.03
7) Phenol-d6	6.50	99	654769	36.78	ng	-0.03
23) Nitrobenzene-d5	7.42	82	443739	30.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	57422	17.12	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	564342	25.45	ng	-0.03
78) Terphenyl-d14	12.98	244	680266	22.37	ng	-0.03
Target Compounds						
37) 2-Methylnaphthalene	8.88	142	983217	37.62	ng	Qvalue 96
70) Phenanthrene	11.43	178	1086931m	32.31	ng	

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

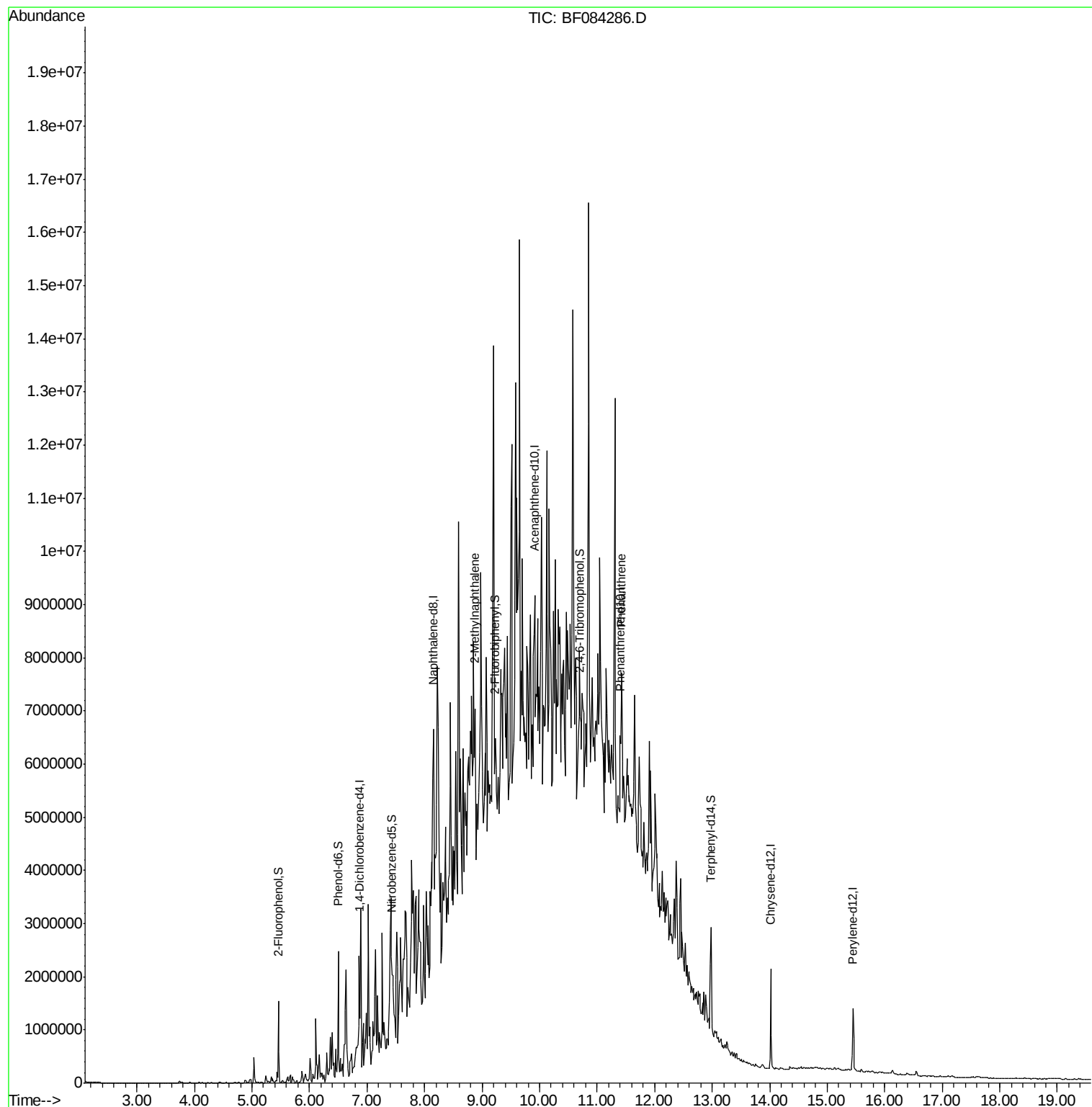
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\
Data File : BF084286.D
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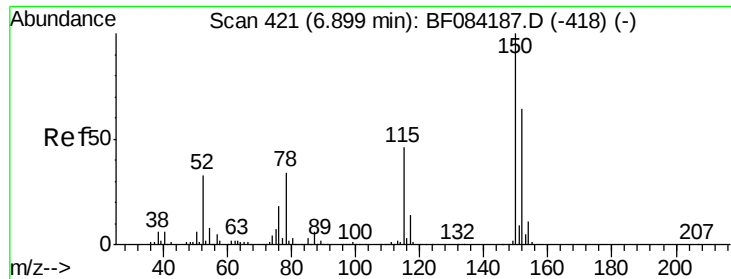
Instrument :
BNA_F
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PJ-SB-2(19.0-19.5)DL

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Quant Time: Jan 07 03:35:12 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF084286.D

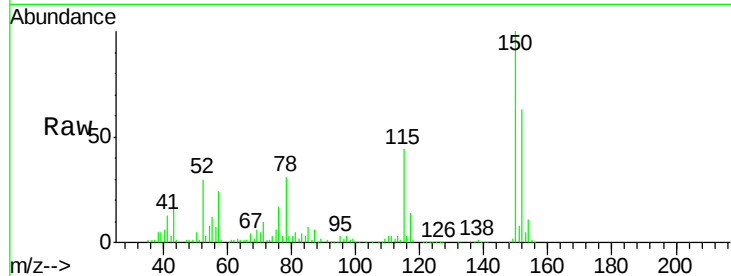
Acq: 6 Jan 2016 13:33

Instrument :

BNA_F

ClientSampleId :

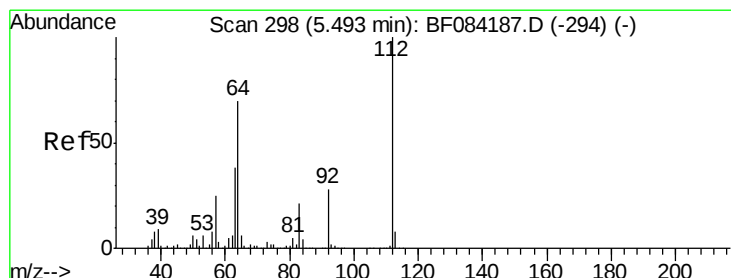
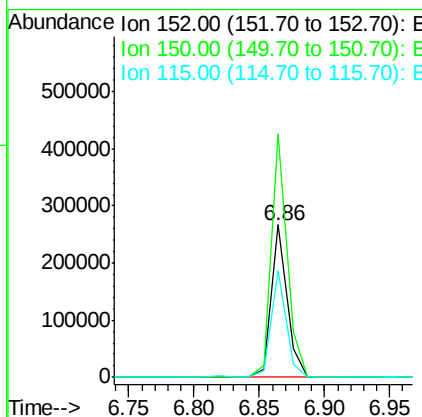
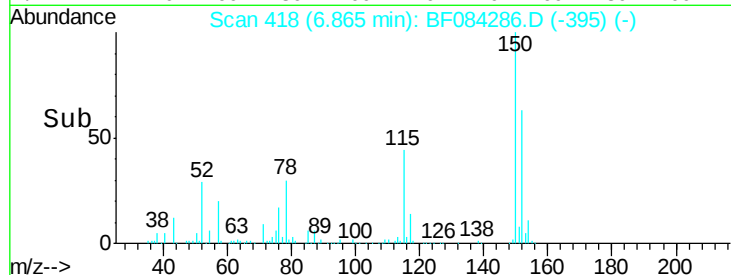
PJ-SB-2(19.0-19.5)DL



Tgt Ion:	152	Resp:	229264
Ion Ratio	Lower	Upper	
152	100		
150	159.8	123.0	184.4
115	70.2	51.4	77.2

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#5

2-Fluorophenol

Concen: 29.75 ng

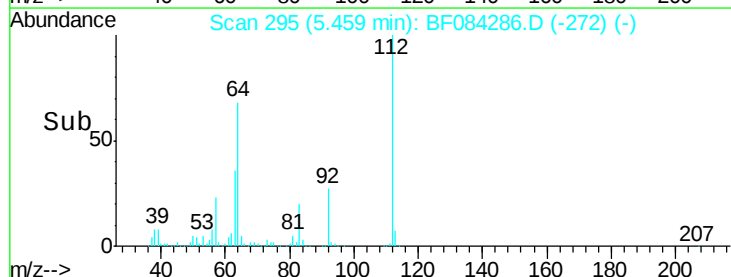
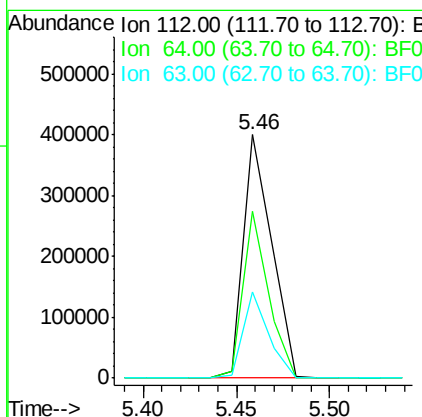
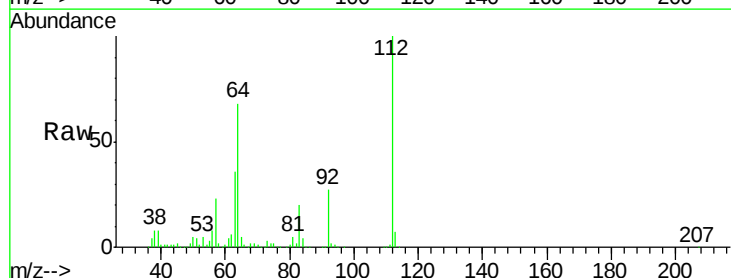
RT: 5.46 min Scan# 295

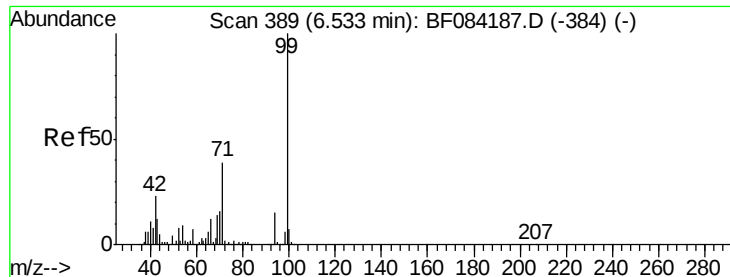
Delta R.T. -0.03 min

Lab File: BF084286.D

Acq: 6 Jan 2016 13:33

Tgt Ion:	112	Resp:	421657
Ion Ratio	Lower	Upper	
112	100		
64	68.3	36.6	55.0#
63	35.6	19.4	29.0#





#7

Phenol-d6

Concen: 36.78 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084286.D

Acq: 6 Jan 2016 13:33

Instrument :

BNA_F

ClientSampleId :

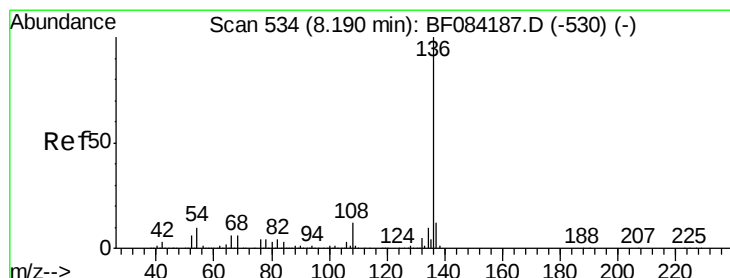
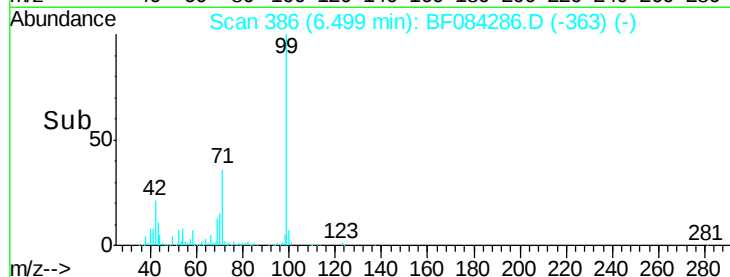
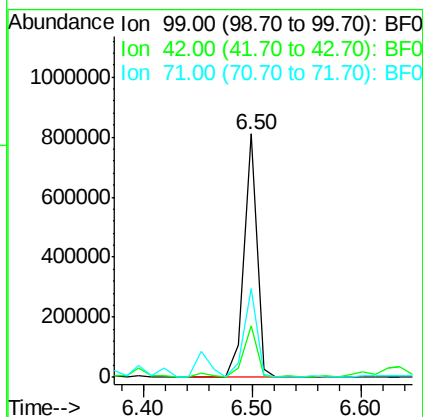
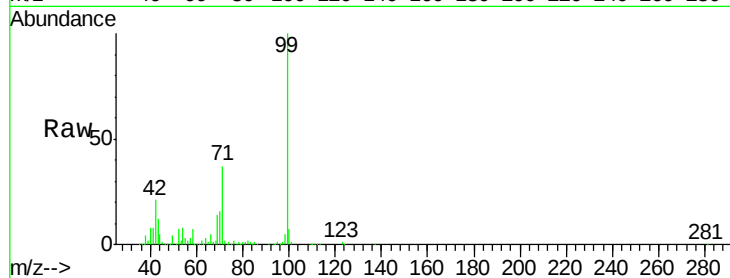
PJ-SB-2(19.0-19.5)DL

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Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.8	19.2#
71	36.6	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

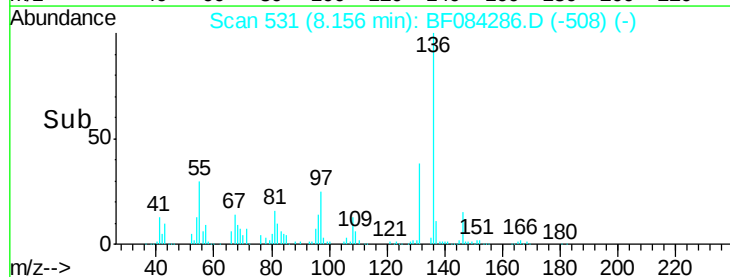
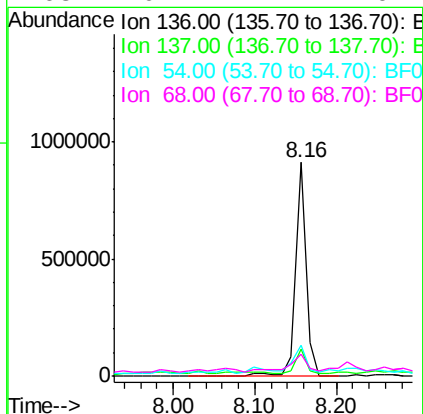
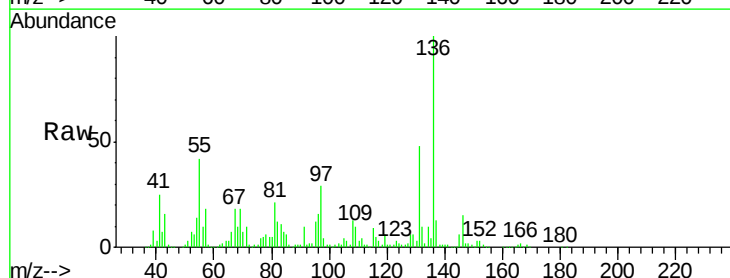
RT: 8.16 min Scan# 531

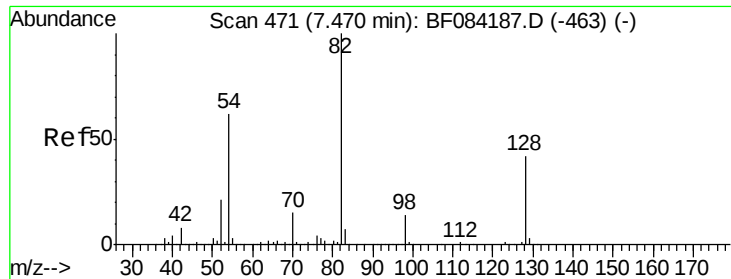
Delta R.T. -0.03 min

Lab File: BF084286.D

Acq: 6 Jan 2016 13:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.6	8.7	13.1
54	14.2	5.8	8.8#
68	10.1	4.2	6.2#





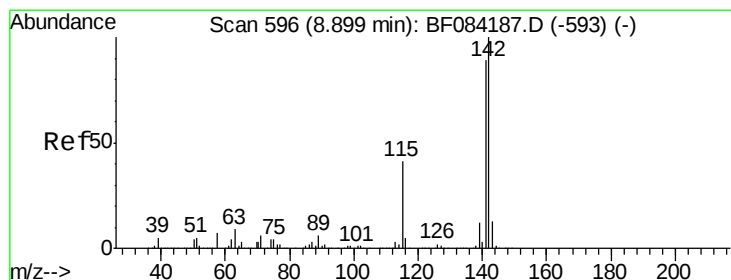
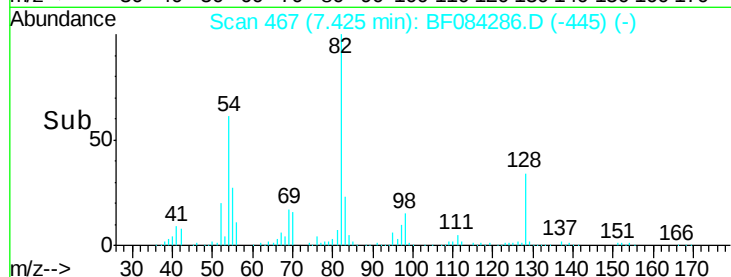
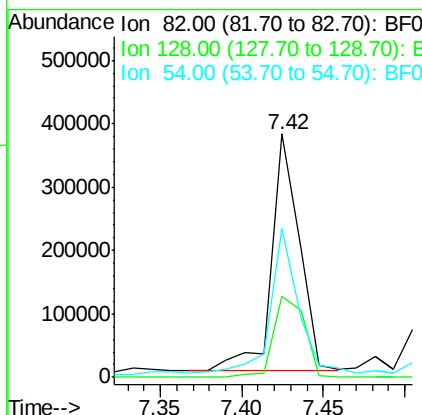
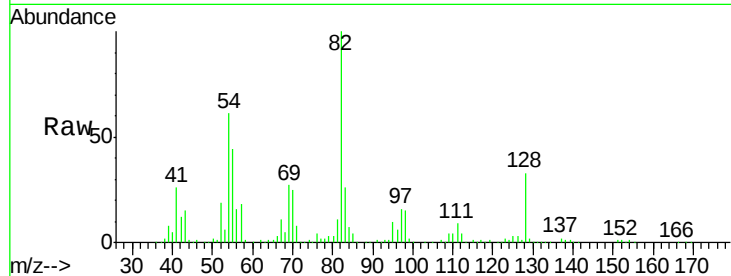
#23
 Nitrobenzene-d5
 Concen: 30.78 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF084286.D
 Acq: 6 Jan 2016 13:33

Instrument :
 BNA_F
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 PJ-SB-2(19.0-19.5)DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	443739		
128	33.1	34.6	51.8#	
54	61.0	38.4	57.6#	

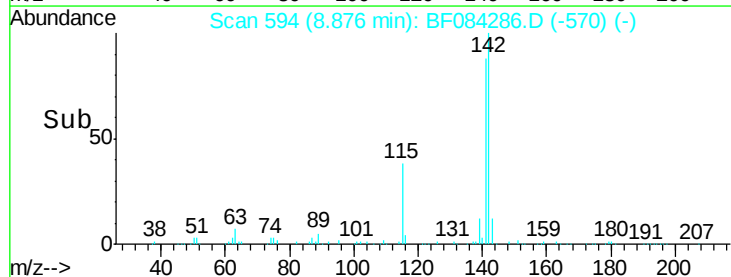
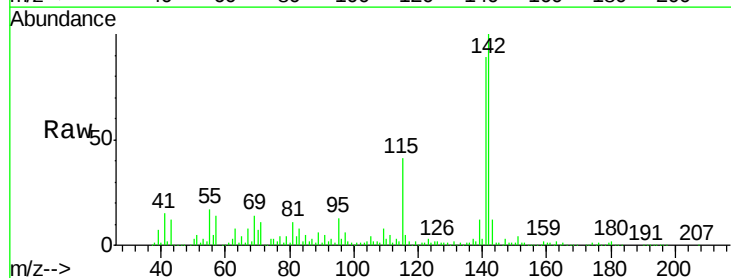
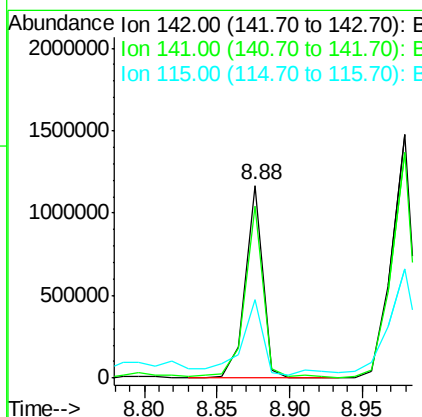
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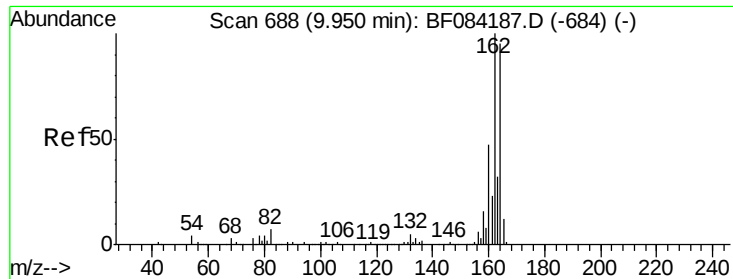
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#37
 2-Methylnaphthalene
 Concen: 37.62 ng
 RT: 8.88 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF084286.D
 Acq: 6 Jan 2016 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	983217		
141	88.9	72.4	108.6	
115	40.5	27.9	41.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.03 min

Lab File: BF084286.D

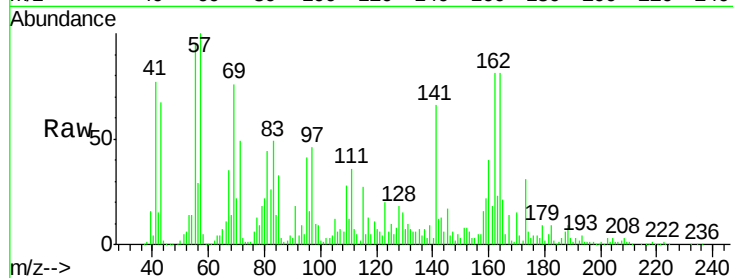
Acq: 6 Jan 2016 13:33

Instrument :

BNA_F

ClientSampleId :

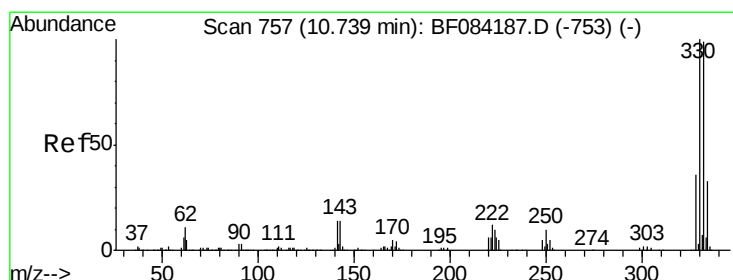
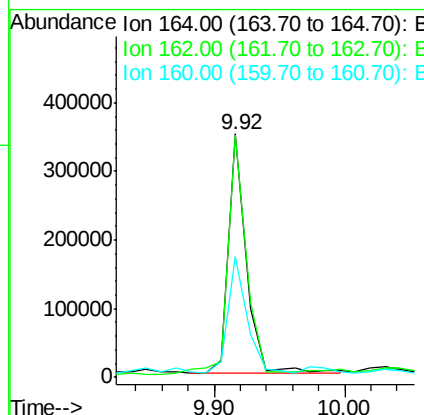
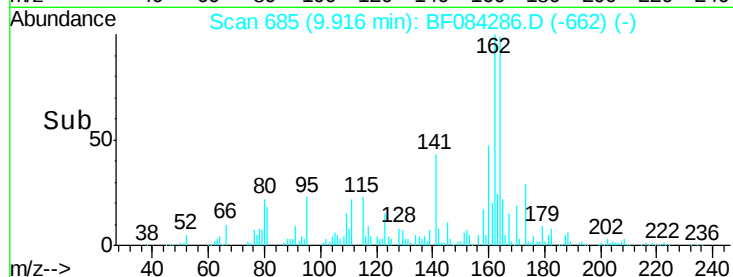
PJ-SB-2(19.0-19.5)DL



Tgt Ion:	164	Resp:	332228
Ion Ratio	Lower	Upper	
164	100		
162	99.7	85.1	127.7
160	49.6	37.5	56.3

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#41

2,4,6-Tribromophenol

Concen: 17.12 ng

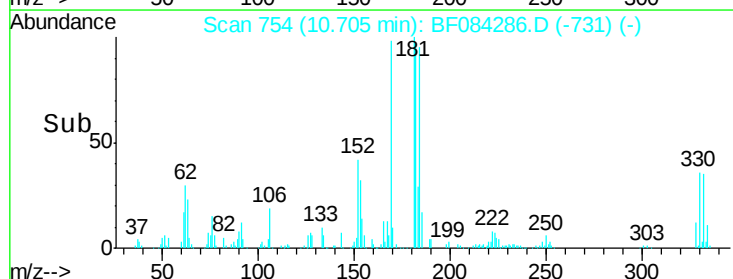
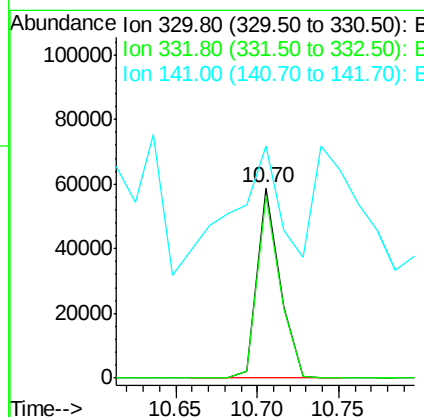
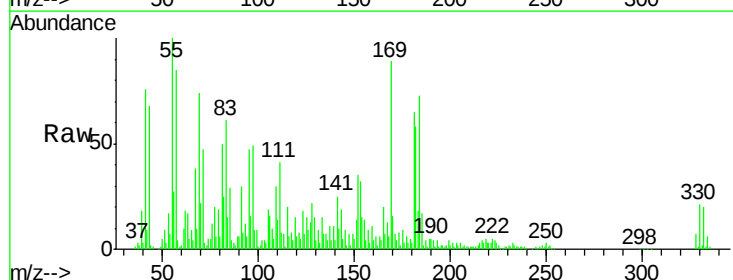
RT: 10.70 min Scan# 754

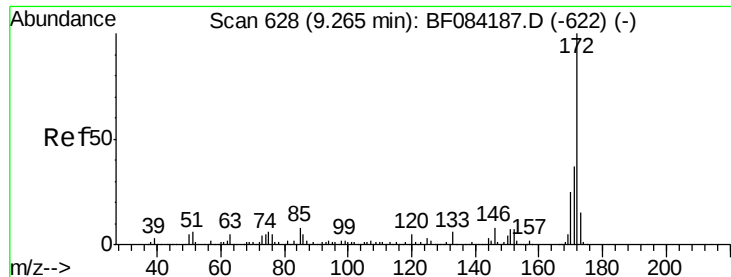
Delta R.T. -0.03 min

Lab File: BF084286.D

Acq: 6 Jan 2016 13:33

Tgt Ion:	330	Resp:	57422
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.6	114.8
141	98.3	27.8	41.6#





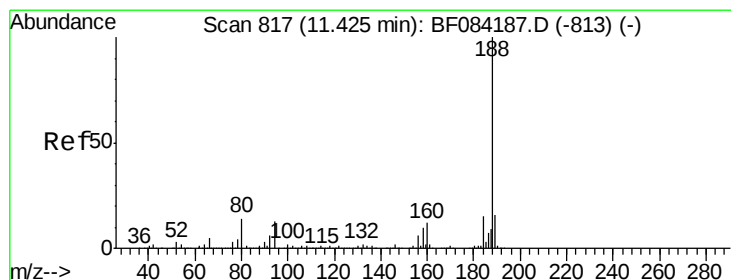
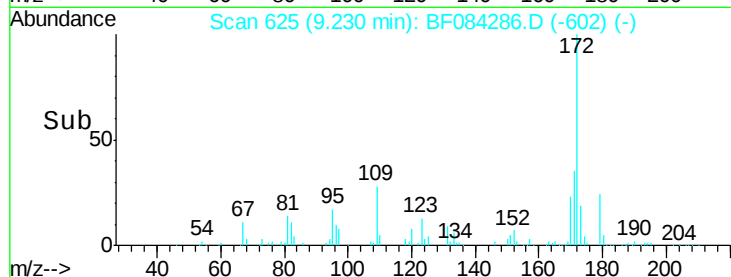
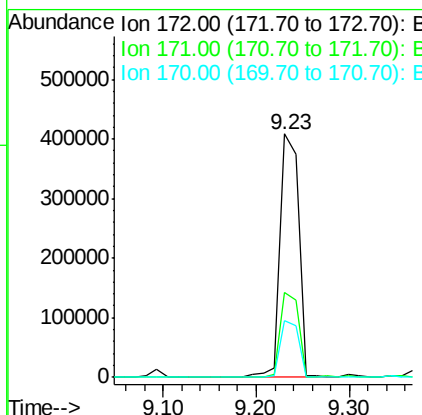
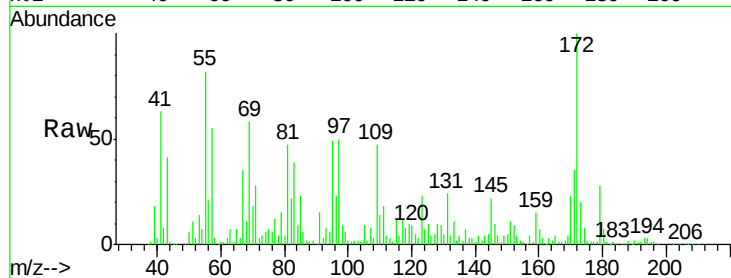
#44
 2-Fluorobiphenyl
 Concen: 25.45 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084286.D
 Acq: 6 Jan 2016 13:33

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(19.0-19.5)DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	23.2	18.6	27.8

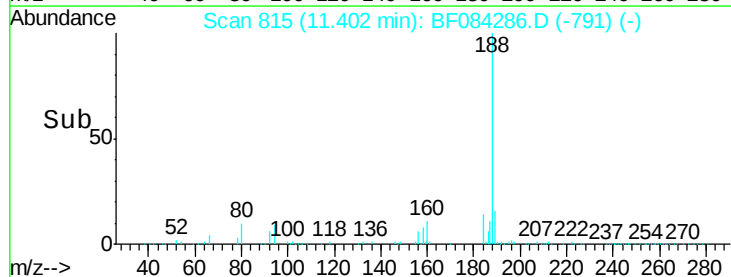
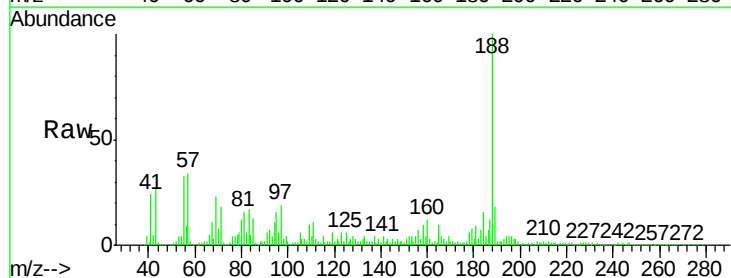
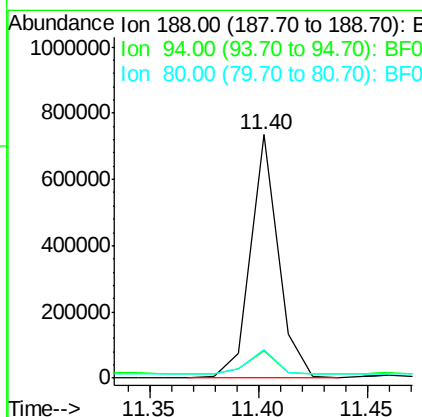
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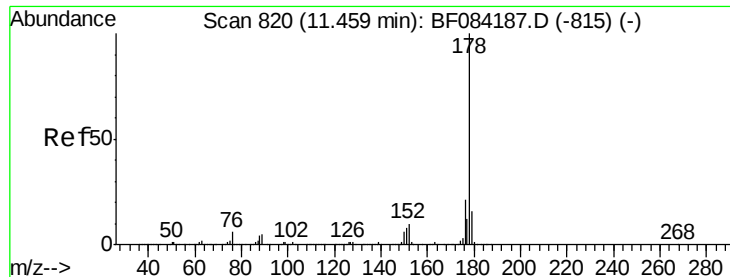
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF084286.D
 Acq: 6 Jan 2016 13:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.4
80	11.8	9.6	14.4





#70

Phenanthrene

Concen: 32.31 ng m

RT: 11.43 min Scan# 817

Delta R.T. -0.03 min

Lab File: BF084286.D

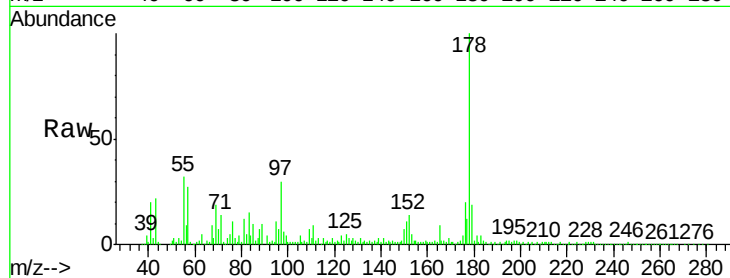
Acq: 6 Jan 2016 13:33

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)DL



Tgt Ion:178 Resp: 1086931

Ion Ratio Lower Upper

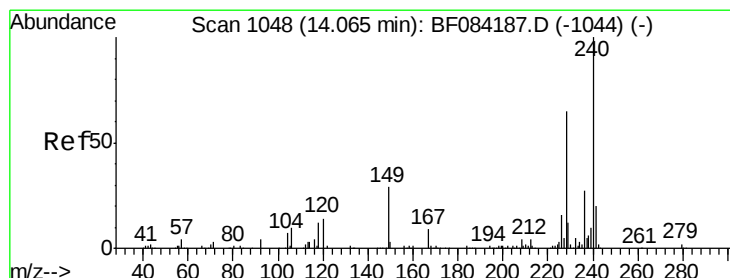
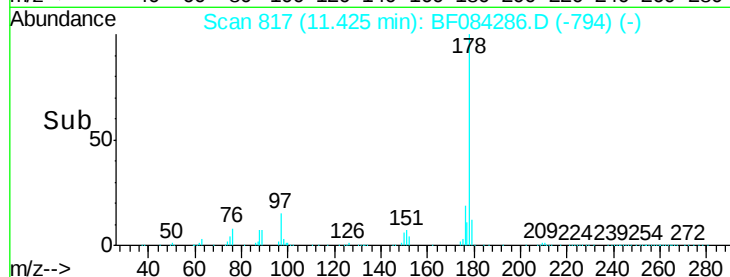
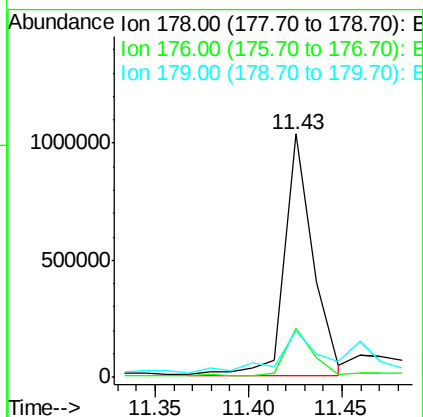
178 100

176 20.3 15.3 22.9

179 19.3 12.0 18.0#

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#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084286.D

Acq: 6 Jan 2016 13:33

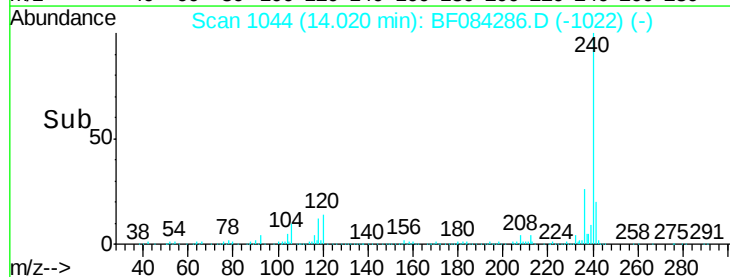
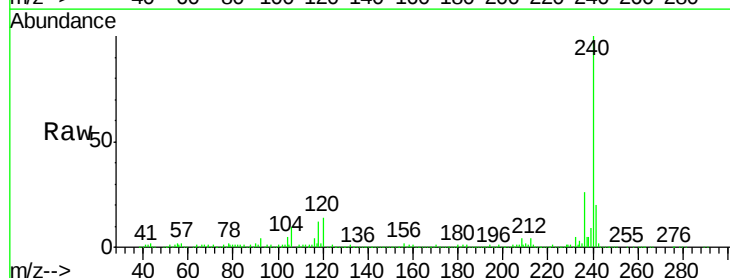
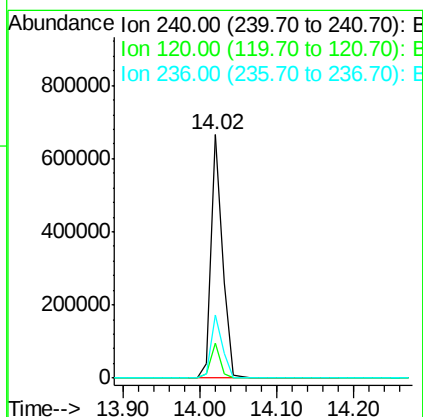
Tgt Ion:240 Resp: 678816

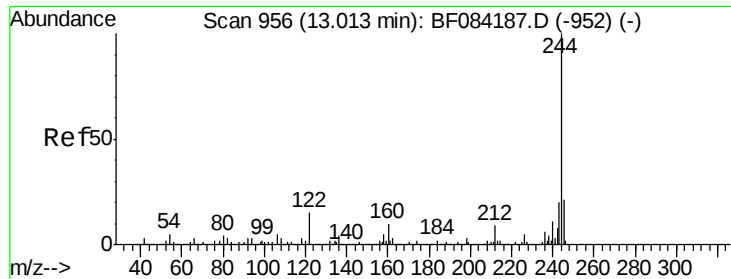
Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

236 25.7 20.6 31.0





#78

Terphenyl-d14

Concen: 22.37 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084286.D

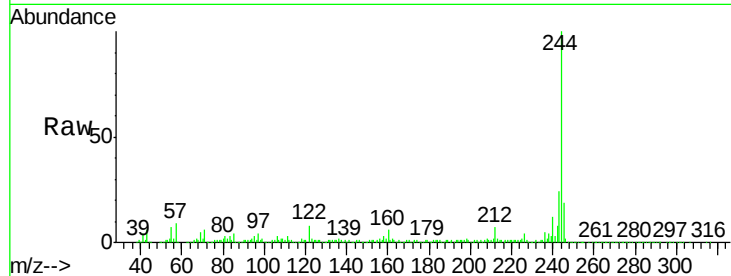
Acq: 6 Jan 2016 13:33

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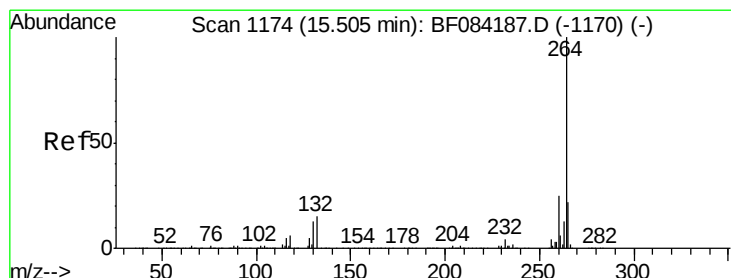
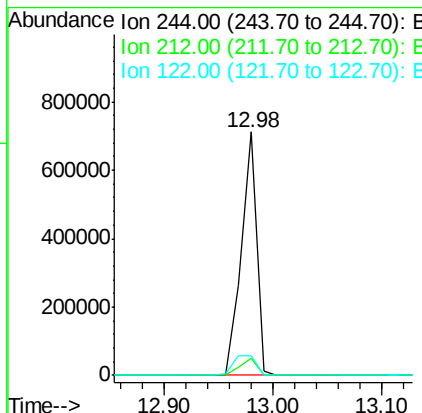
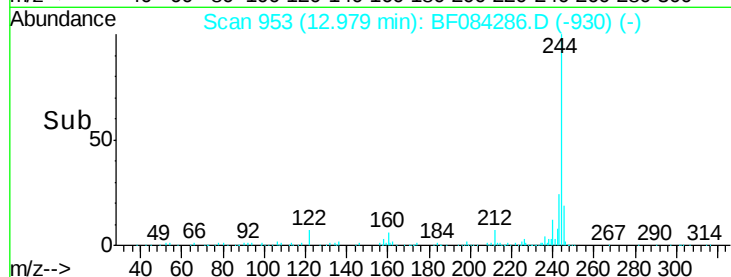
PJ-SB-2(19.0-19.5)DL



Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	7.8	7.4	11.0

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.45 min Scan# 1169

Delta R.T. -0.06 min

Lab File: BF084286.D

Acq: 6 Jan 2016 13:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.8	26.6

