

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083264.D
 Acq On : 25 Nov 2015 4:32
 Operator : UM/IZ
 Sample : G4440-03 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Manual Integrations
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 11/25/2015 12:54:50 PM

Quant Time: Nov 25 05:56:51 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	6.60	152	191500	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	737539	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	335574	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	489786	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	470769	20.00	ng	-0.06
86) Perylene-d12	15.11	264	447435	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	403423	31.85	ng	-0.08
7) Phenol-d6	6.27	99	550311	33.58	ng	-0.07
23) Nitrobenzene-d5	7.18	82	346135	21.44	ng	-0.06
41) 2,4,6-Tribromophenol	10.43	330	80248	23.37	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	498785	20.73	ng	-0.05
78) Terphenyl-d14	12.71	244	348778	17.45	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.38	163	101088	3.91	ng	98
70) Phenanthrene	11.14	178	513609	18.20	ng	98
71) Anthracene	11.20	178	129343	4.49	ng	97
72) Carbazole	11.36	167	61975	2.42	ng	97
74) Fluoranthene	12.33	202	1126435	39.00	ng	100
77) Pyrene	12.56	202	904236	28.11	ng	98
80) Benzo(a)anthracene	13.74	228	535269	18.38	ng	99
82) Chrysene	13.77	228	461487	17.09	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	139951	7.04	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.35	276	225903	9.20	ng	99
87) Benzo(b)fluoranthene	14.74	252	572938m	18.74	ng	
88) Benzo(k)fluoranthene	14.75	252	268754m	11.80	ng	
89) Benzo(a)pyrene	15.06	252	382530	15.16	ng	# 94
90) Dibenzo(a,h)anthracene	16.37	278	51287m	2.24	ng	
91) Benzo(g,h,i)perylene	16.72	276	196443	8.78	ng	# 91

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

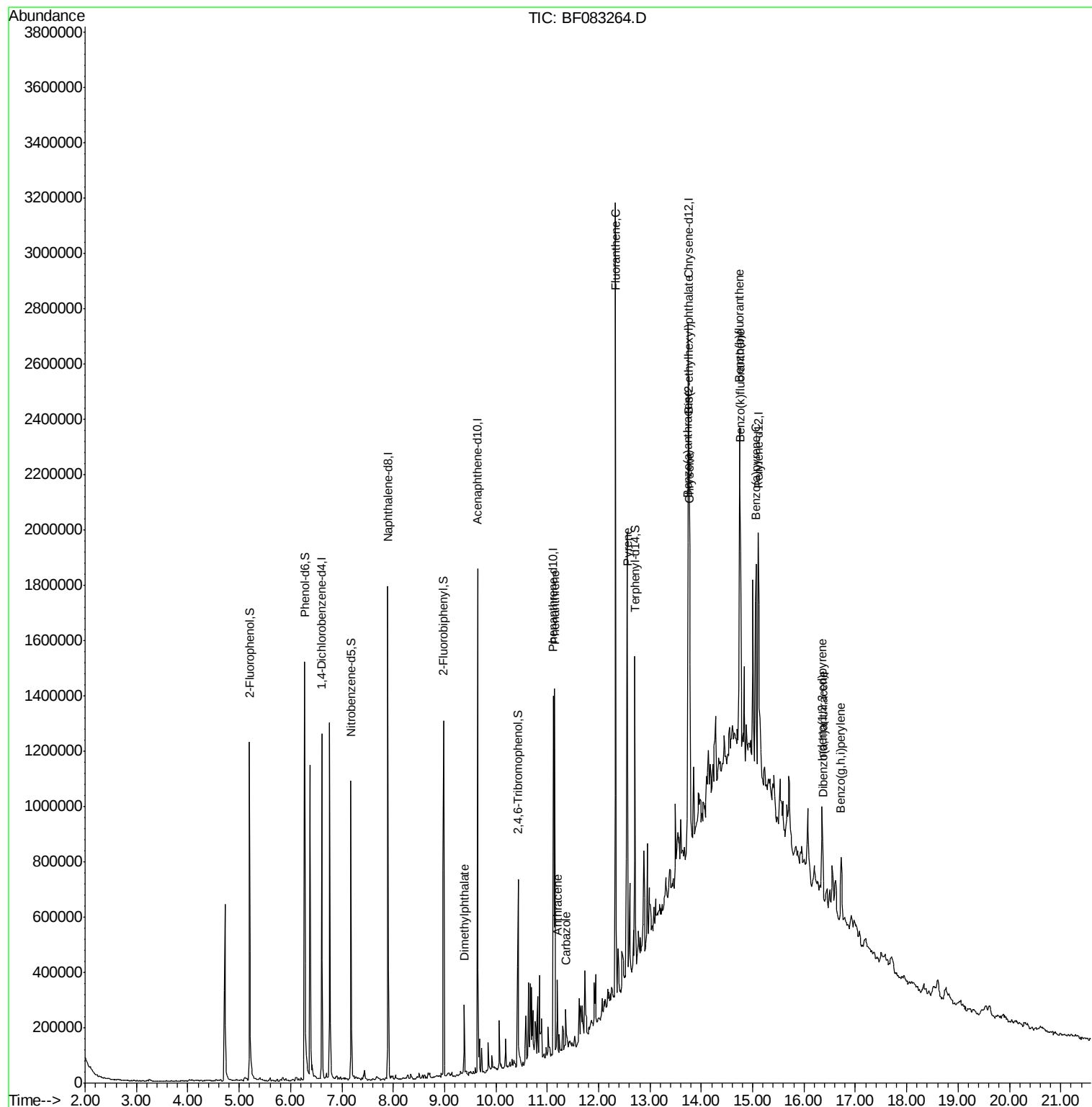
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
Data File : BF083264.D
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Misc :
ALS Vial : 27 Sample Multiplier: 1

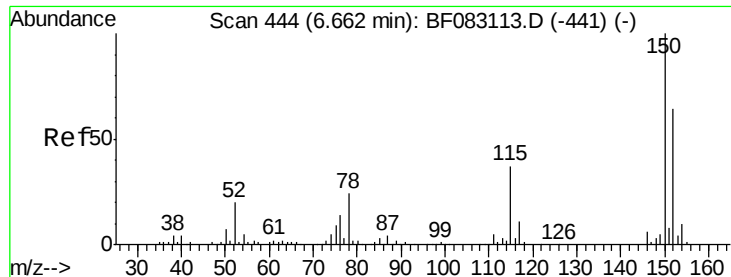
Instrument :
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ClientSampleId :
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Quant Time: Nov 25 05:56:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.06 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

Instrument :

BNA_F

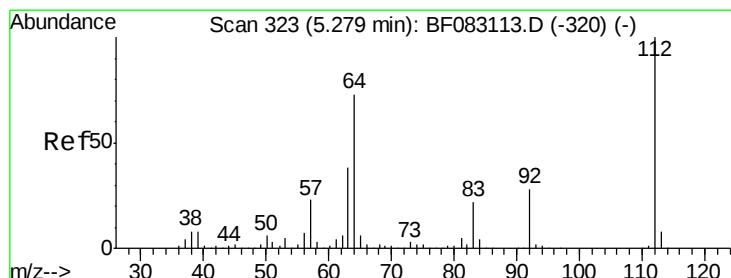
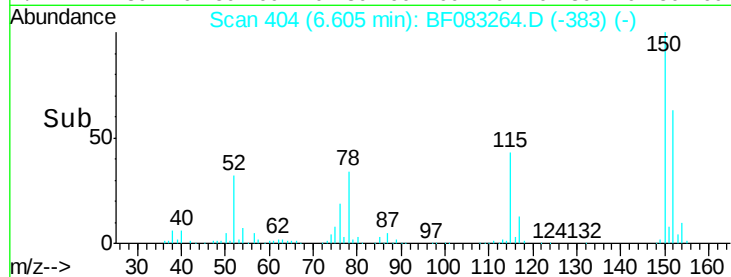
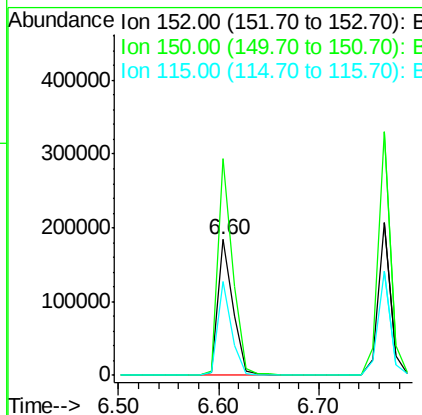
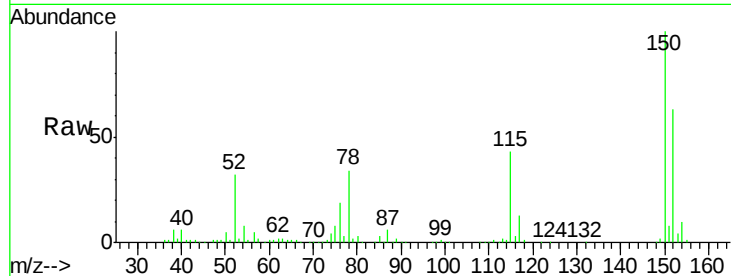
ClientSampleId :

V1S3

Tgt	Ion	152	Resp:	191500
	Ion	Ratio	Lower	Upper
	152	100		
	150	159.4	125.8	188.8
	115	68.6	46.9	70.3

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#5

2-Fluorophenol

Concen: 31.85 ng

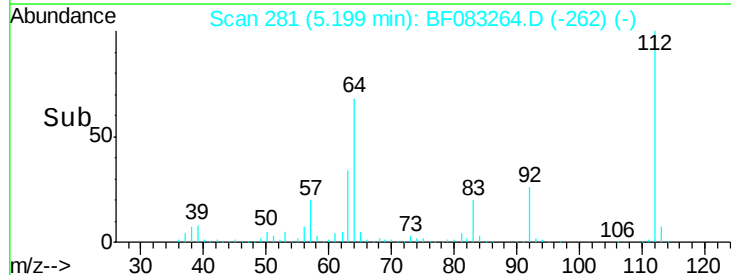
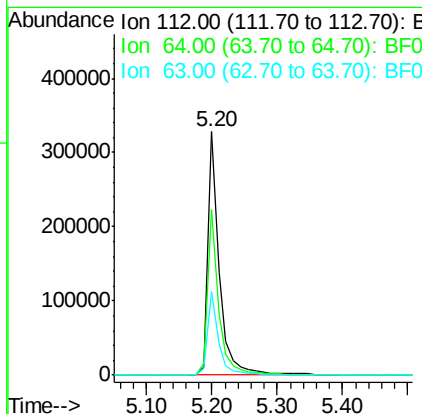
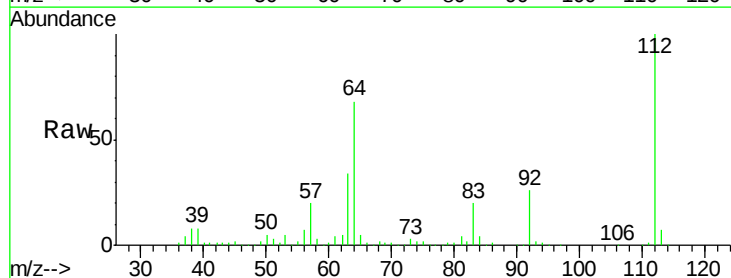
RT: 5.20 min Scan# 281

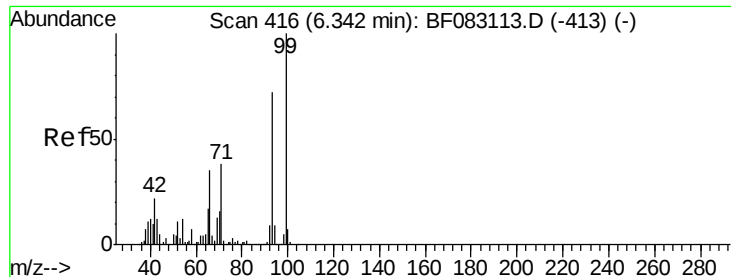
Delta R.T. -0.08 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

Tgt	Ion	112	Resp:	403423
	Ion	Ratio	Lower	Upper
	112	100		
	64	68.1	58.4	87.6
	63	34.1	30.0	45.0





#7

Phenol-d6

Concen: 33.58 ng

RT: 6.27 min Scan# 375

Delta R.T. -0.07 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

V1S3

Tgt Ion: 99 Resp: 550311

Ion Ratio Lower Upper

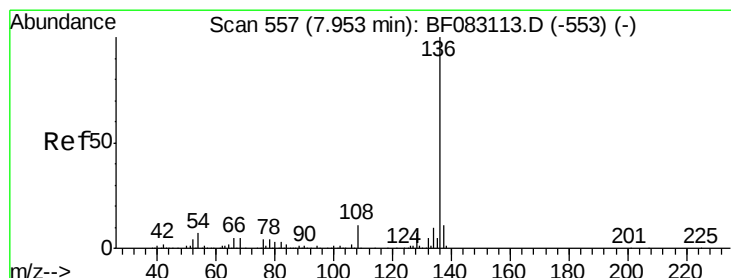
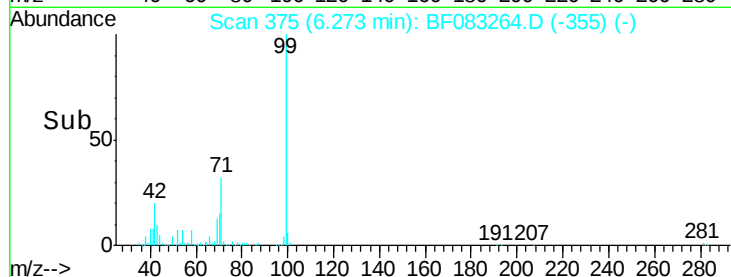
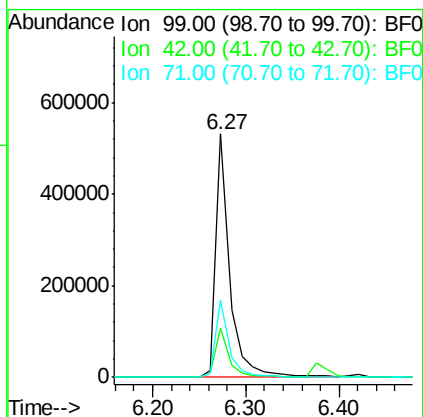
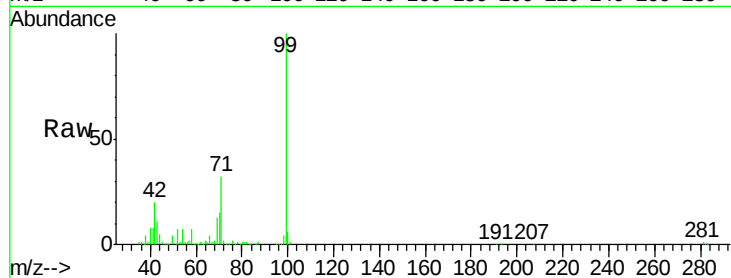
99 100

42 20.2 17.7 26.5

71 32.0 30.2 45.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

Tgt Ion: 136 Resp: 737539

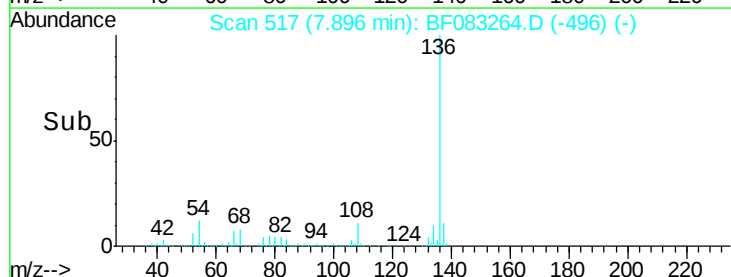
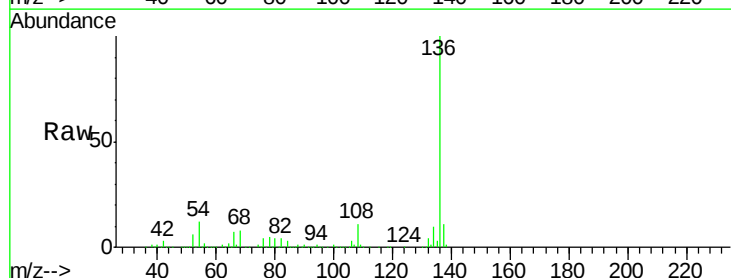
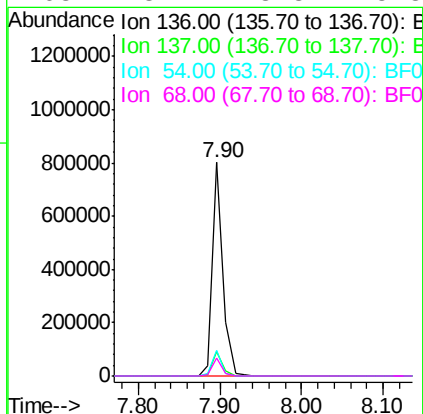
Ion Ratio Lower Upper

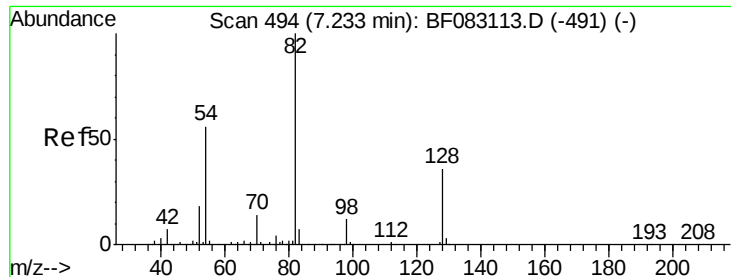
136 100

137 11.2 8.7 13.1

54 11.9 5.8 8.6#

68 8.2 3.8 5.8#





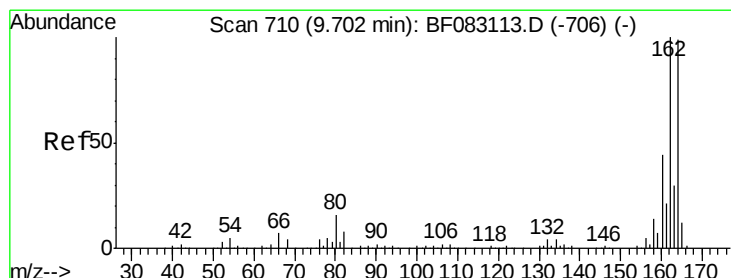
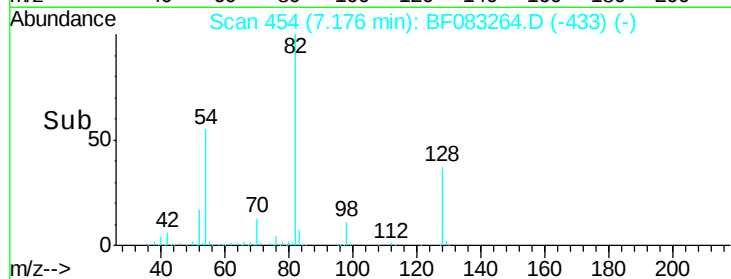
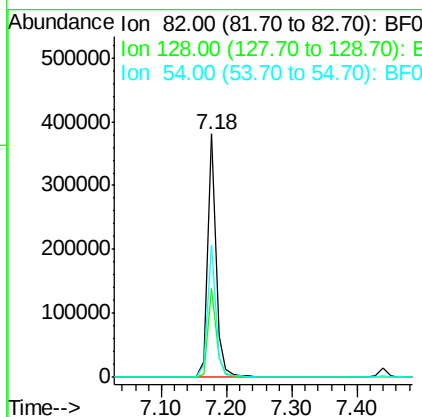
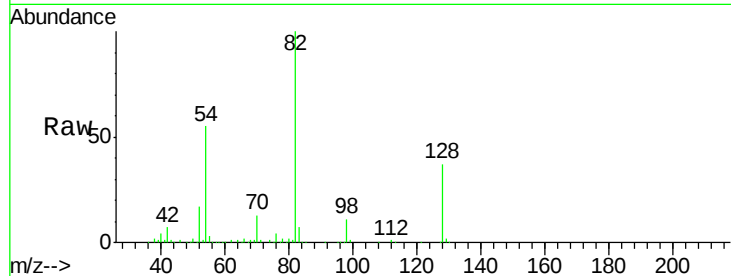
#23
Nitrobenzene-d5
Concen: 21.44 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	36.7	28.5	42.7
54	54.5	44.6	67.0

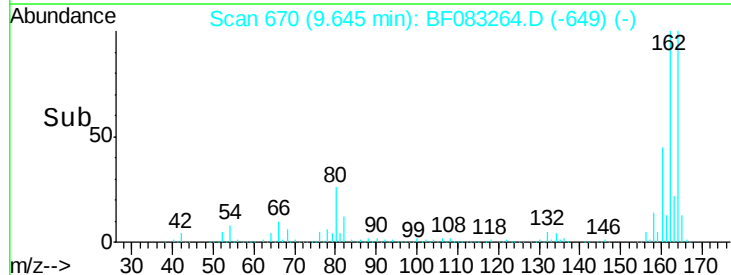
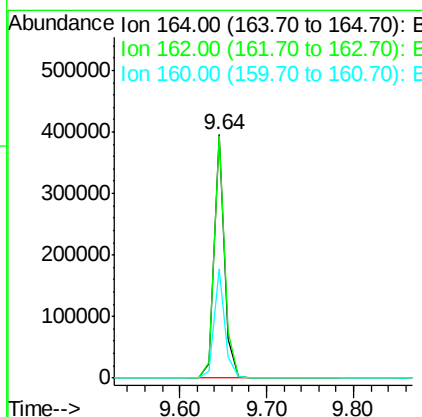
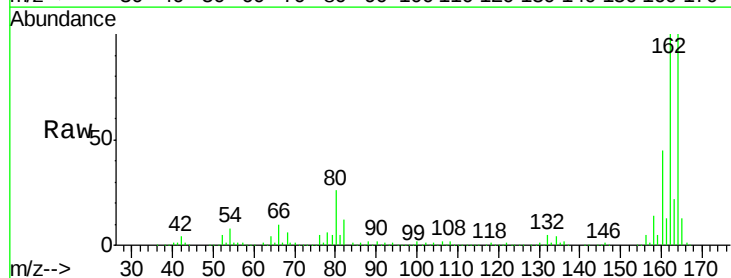
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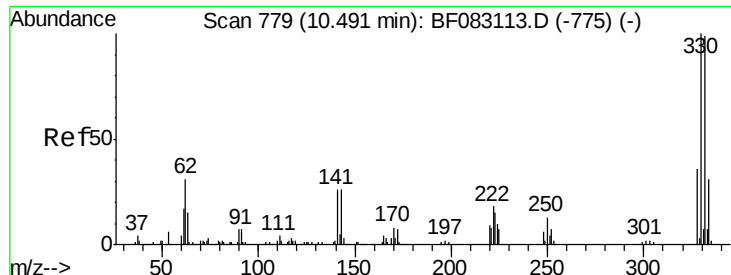
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	99.7	81.2	121.8
160	44.8	35.6	53.4





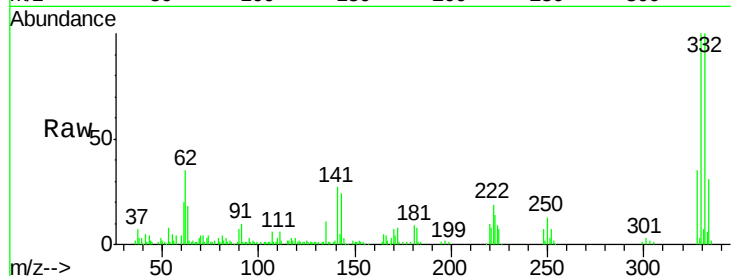
#41
 2,4,6-Tribromophenol
 Concen: 23.37 ng
 RT: 10.43 min Scan# 739
 Delta R.T. -0.06 min
 Lab File: BF083264.D
 Acq: 25 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

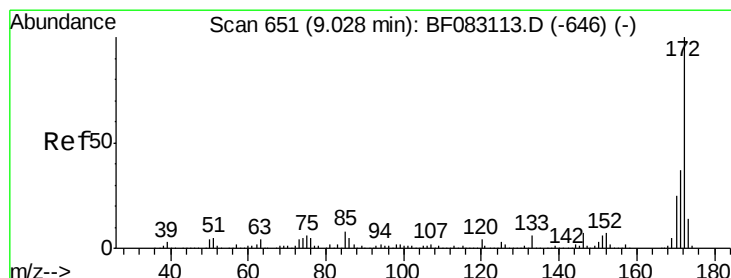
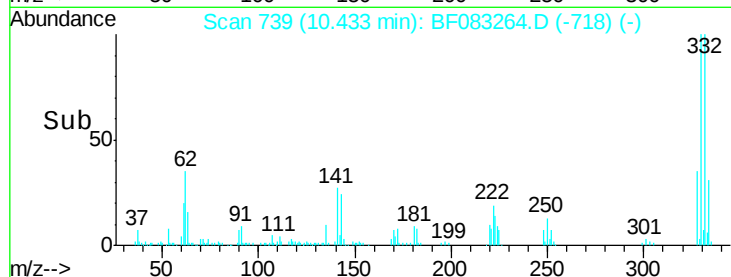
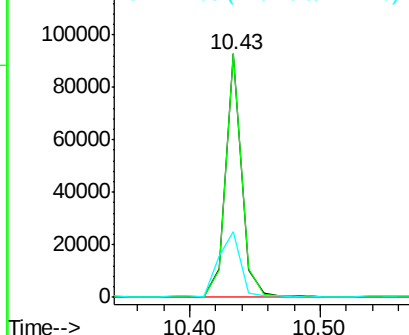
Tgt Ion:	330	Resp:	80248
Ion Ratio	Lower	Upper	
330	100		
332	99.5	77.7	116.5
141	39.5	29.7	44.5

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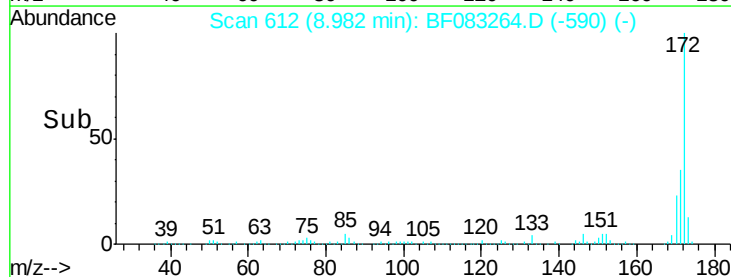
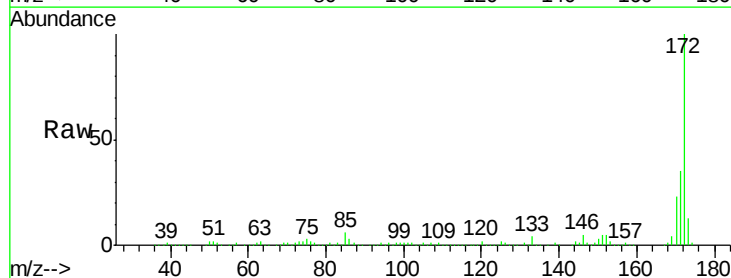
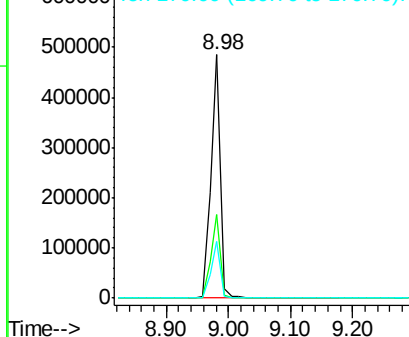
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

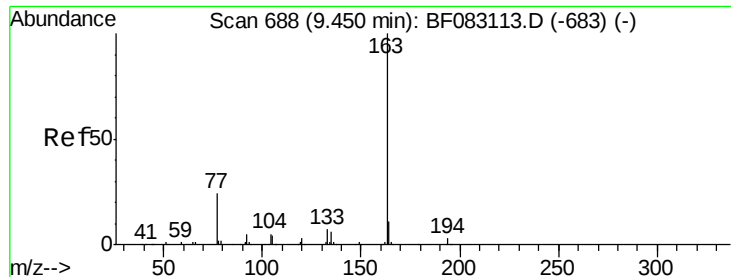


#44
 2-Fluorobiphenyl
 Concen: 20.73 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083264.D
 Acq: 25 Nov 2015 4:32

Tgt Ion:	172	Resp:	498785
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.5	44.3
170	23.4	19.9	29.9

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





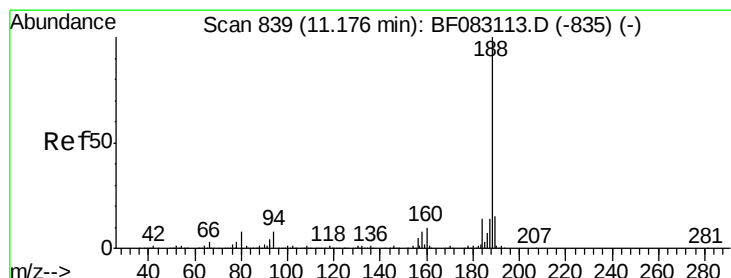
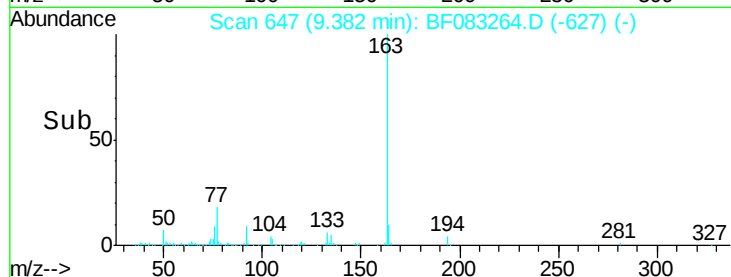
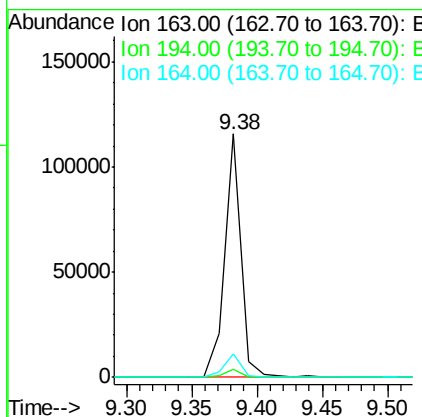
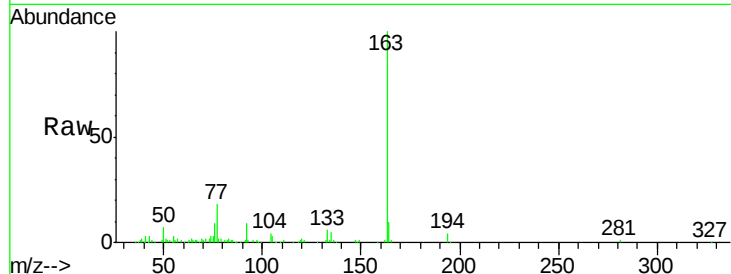
#49
Dimethylphthalate
Concen: 3.91 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	101088		
194	3.5	2.6	4.0	
164	9.6	8.6	12.8	

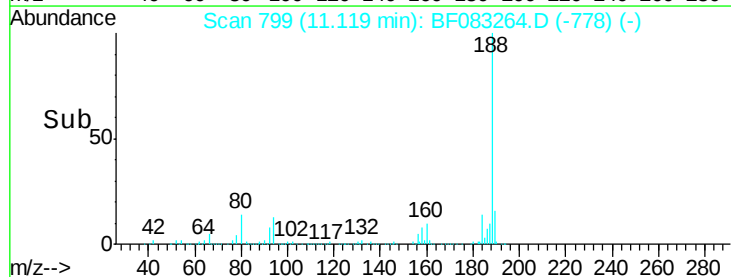
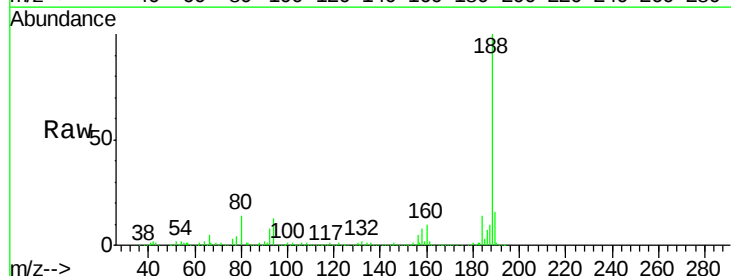
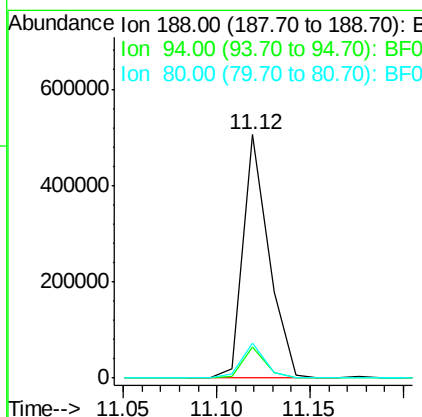
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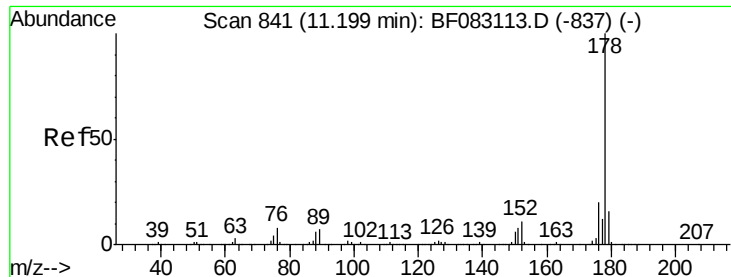
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	489786		
94	12.9	6.0	9.0#	
80	14.1	6.7	10.1#	





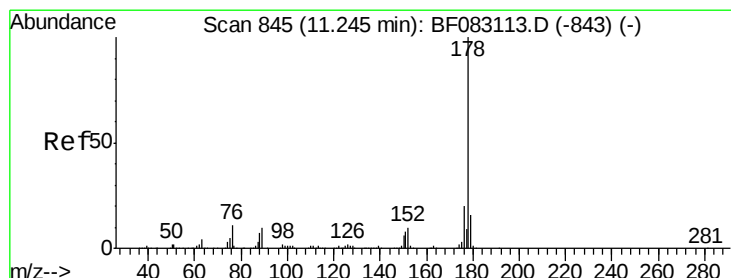
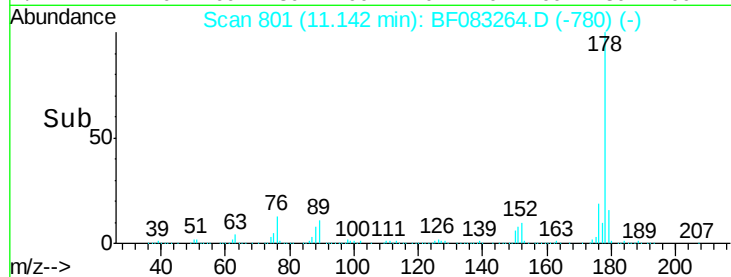
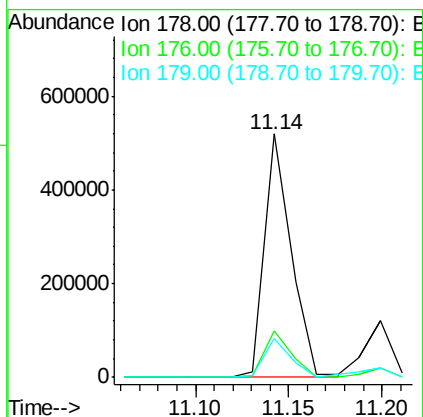
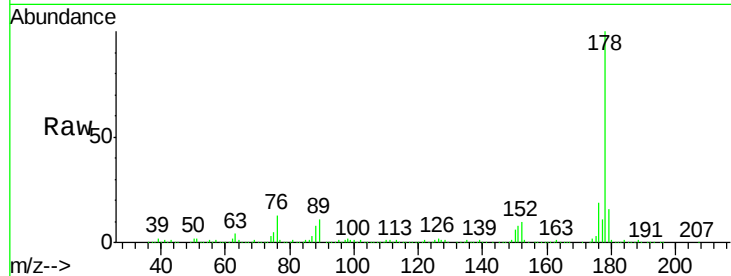
#70
Phenanthrene
Concen: 18.20 ng
RT: 11.14 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.2
179	15.7	12.8	19.2

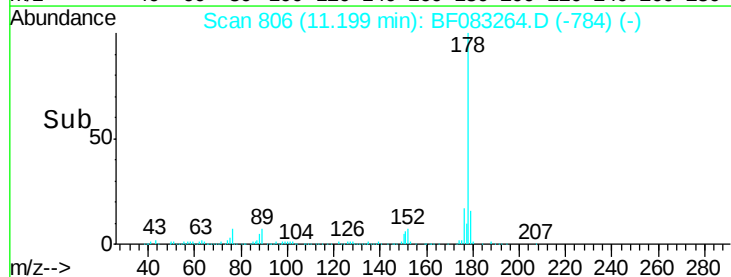
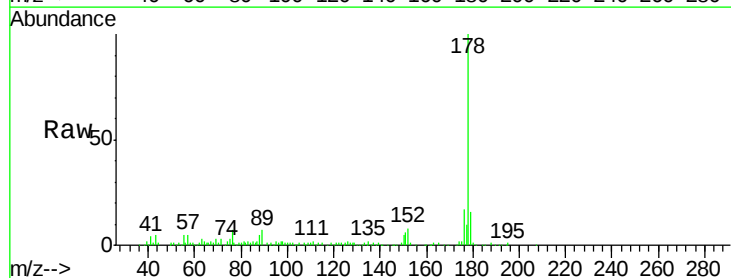
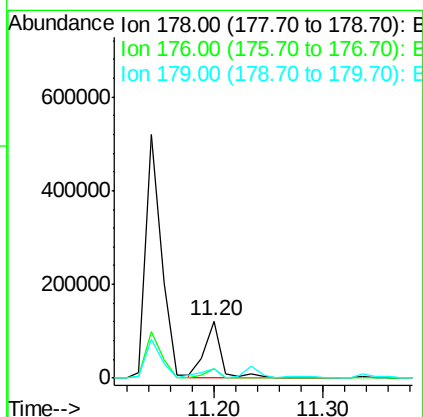
Manual Integrations
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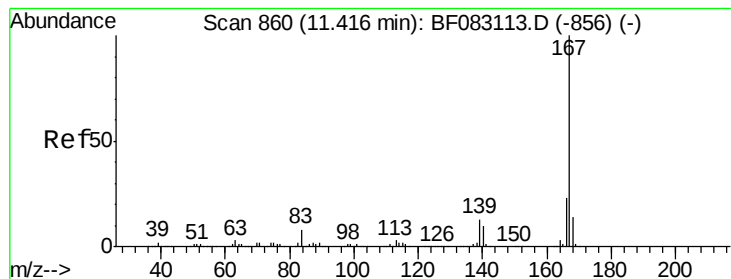
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#71
Anthracene
Concen: 4.49 ng
RT: 11.20 min Scan# 806
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.6	23.4
179	16.2	13.2	19.8





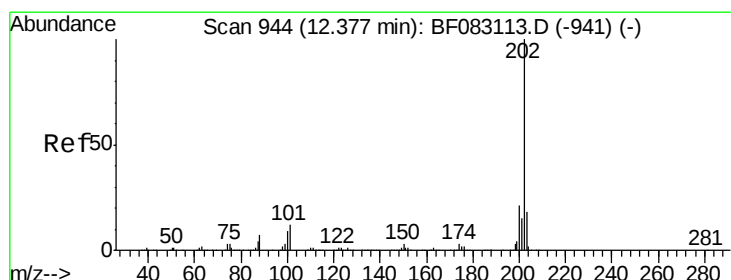
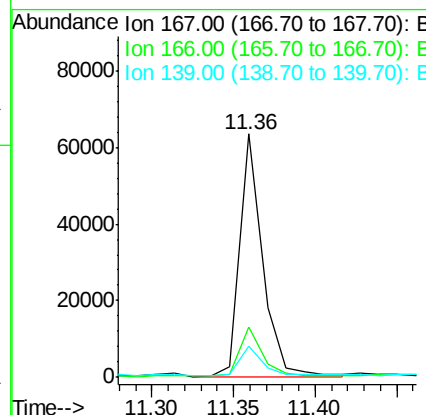
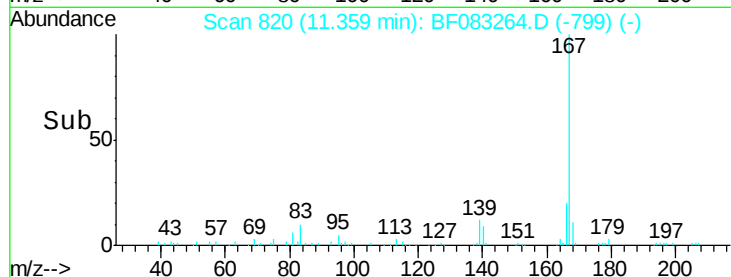
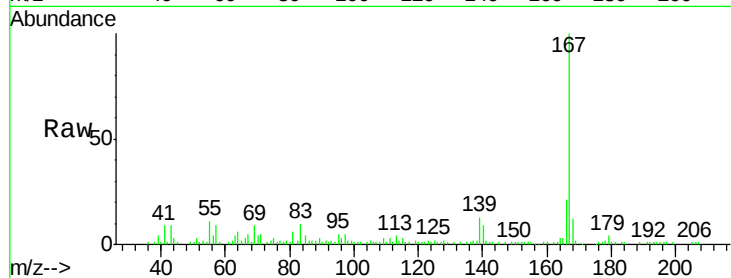
#72
 Carbazole
 Concen: 2.42 ng
 RT: 11.36 min Scan# 820
 Delta R.T. -0.06 min
 Lab File: BF083264.D
 Acq: 25 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	18.0	27.0
139	13.0	10.5	15.7

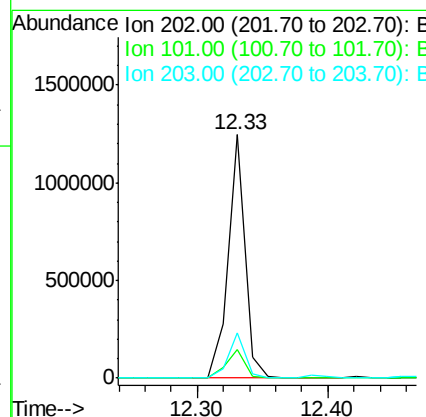
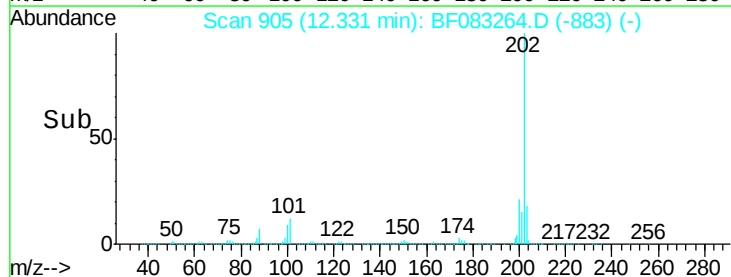
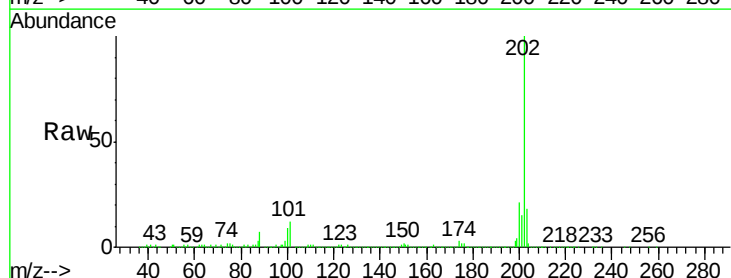
Manual Integrations
 APPROVED

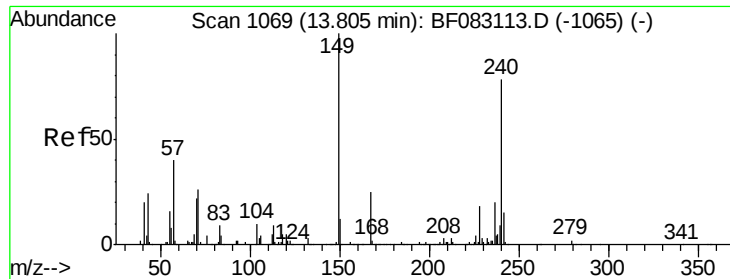
Mmdadoda
 11/25/2015 12:54:50 PM



#74
 Fluoranthene
 Concen: 39.00 ng
 RT: 12.33 min Scan# 905
 Delta R.T. -0.05 min
 Lab File: BF083264.D
 Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.3
203	18.4	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

V1S3

Tgt Ion:240 Resp: 470769

Ion Ratio Lower Upper

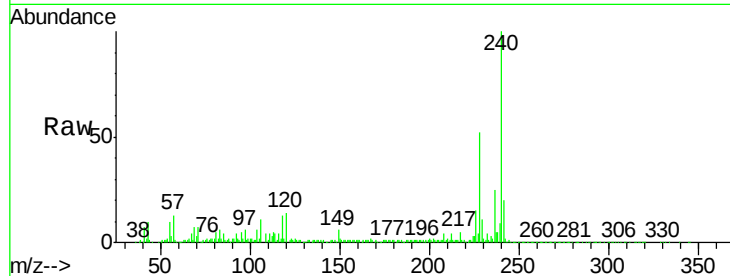
240 100

120 14.1 5.4 8.2#

236 25.2 20.6 31.0

Manual Integrations
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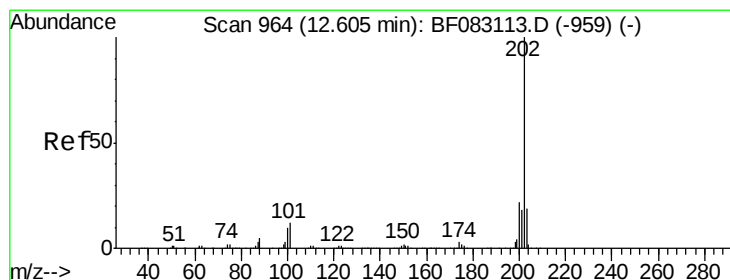
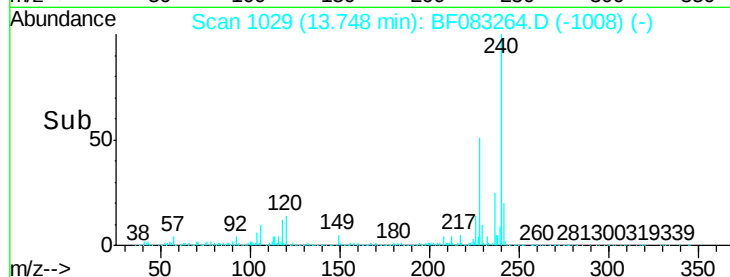
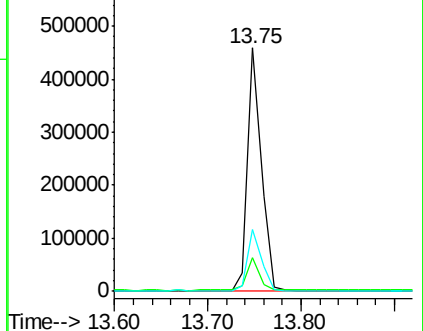
Mmdadoda
11/25/2015 12:54:50 PM



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: 28.11 ng

RT: 12.56 min Scan# 925

Delta R.T. -0.05 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

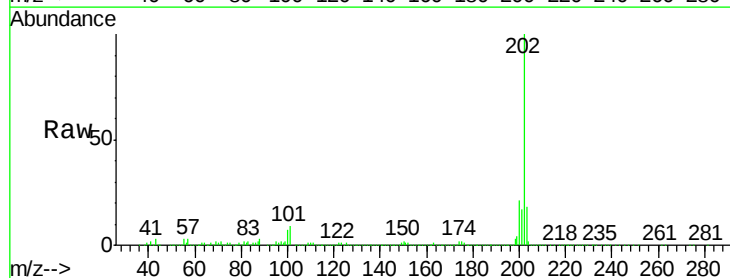
Tgt Ion:202 Resp: 904236

Ion Ratio Lower Upper

202 100

200 20.9 17.8 26.6

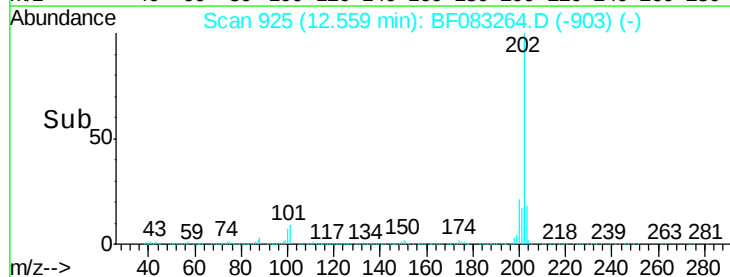
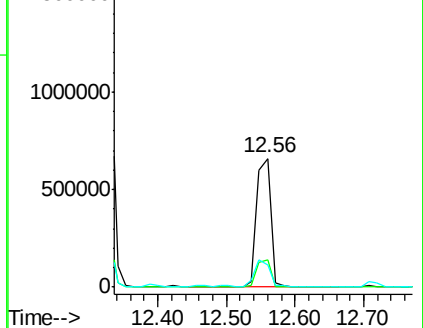
203 17.7 15.0 22.4

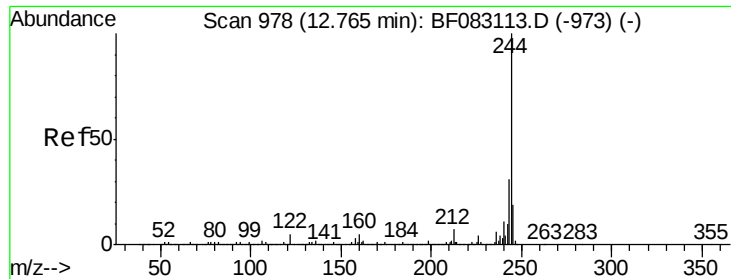


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





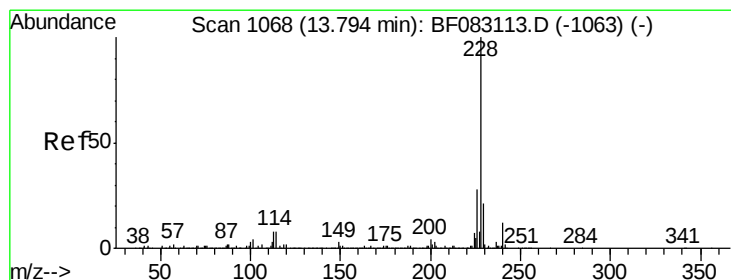
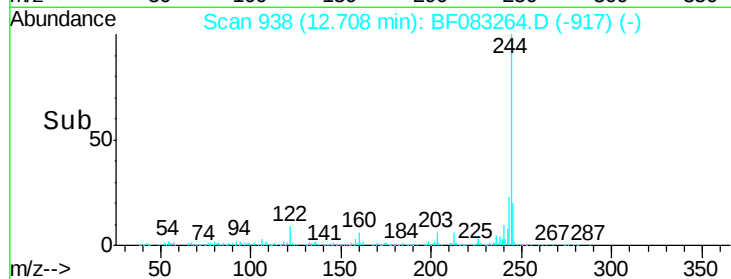
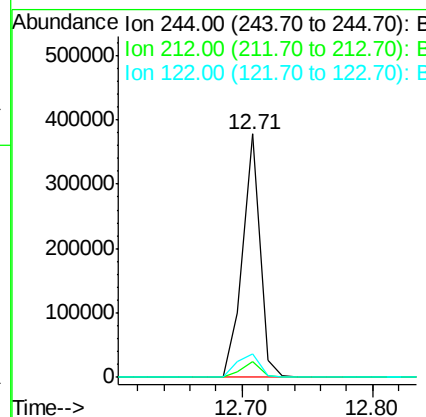
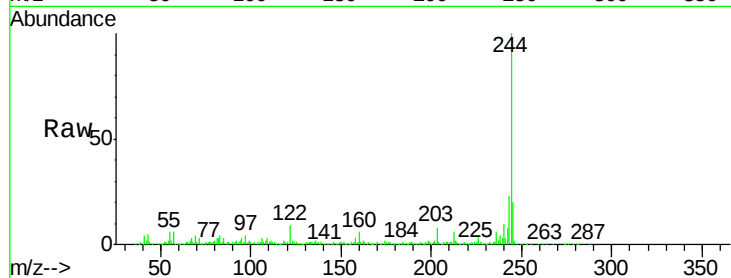
#78
 Terphenyl-d14
 Concen: 17.45 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083264.D
 Acq: 25 Nov 2015 4:32

Instrument :
 BNA_F
 ClientSampleId :
 V1S3

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.4	8.2
122	9.4	4.3	6.5#

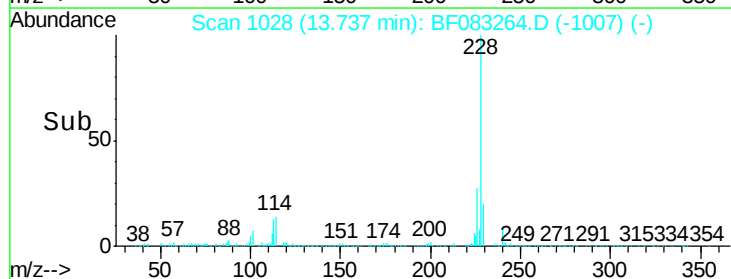
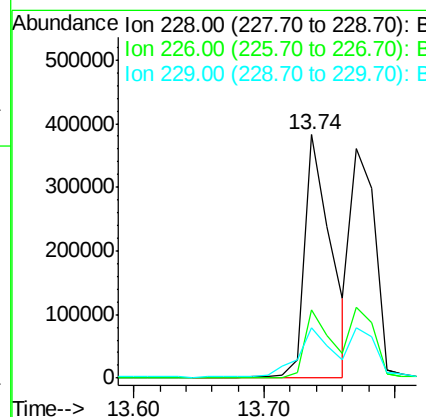
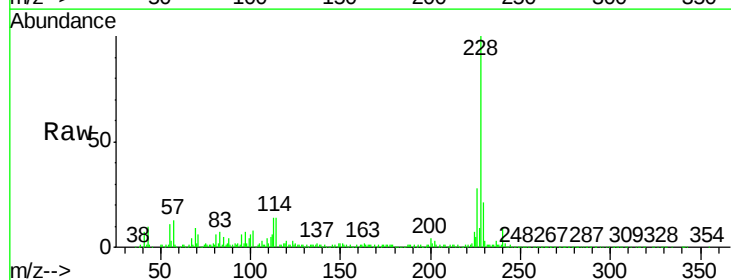
Manual Integrations
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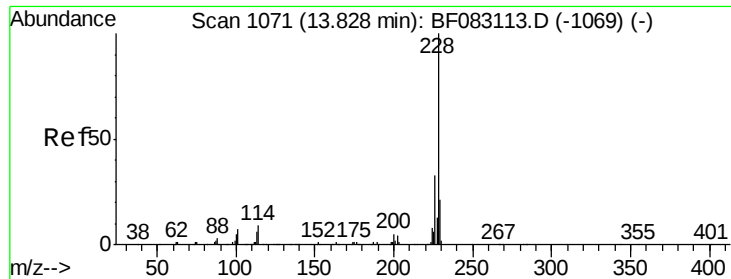
Mmdadoda
 11/25/2015 12:54:50 PM



#80
 Benzo(a)anthracene
 Concen: 18.38 ng
 RT: 13.74 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF083264.D
 Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.8	22.6	33.8
229	20.9	16.6	24.8





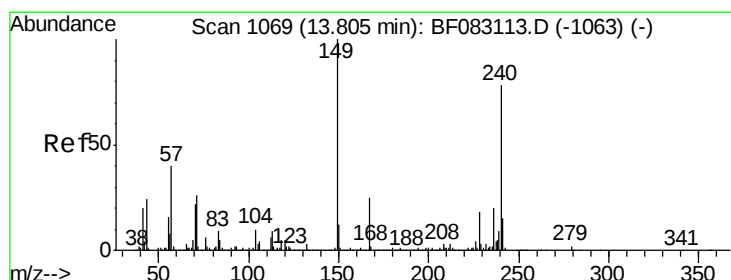
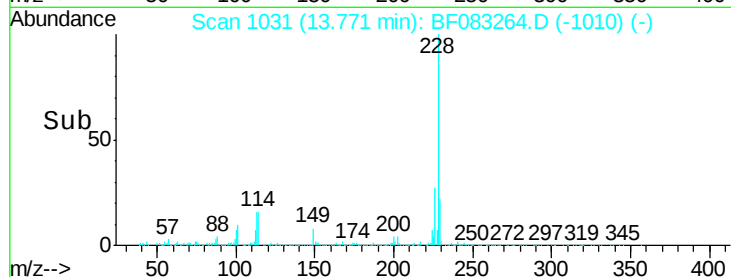
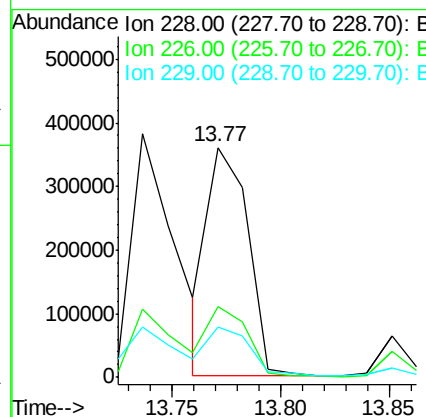
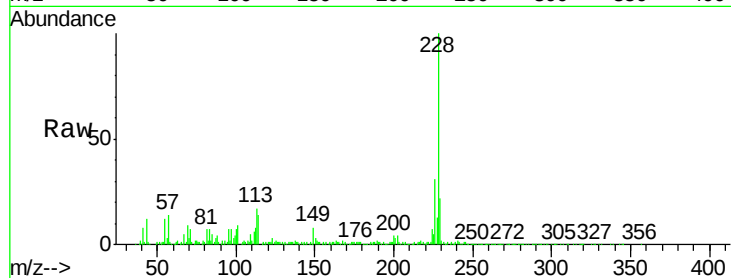
#82
Chrysene
Concen: 17.09 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.5	38.3
229	22.1	16.6	25.0

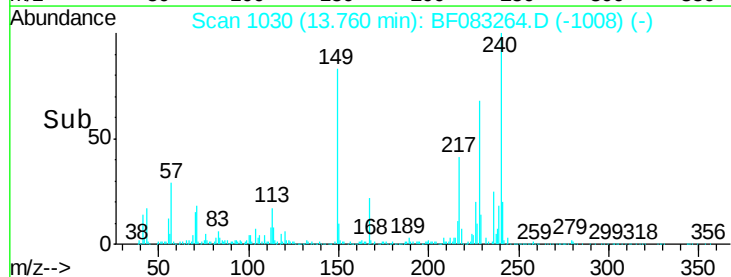
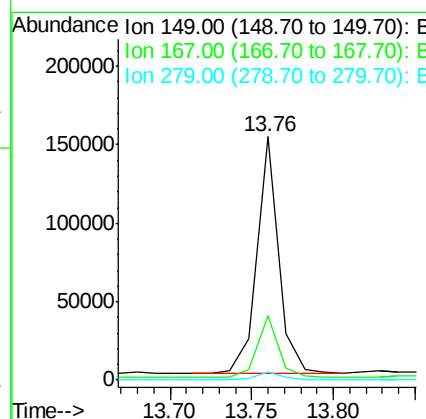
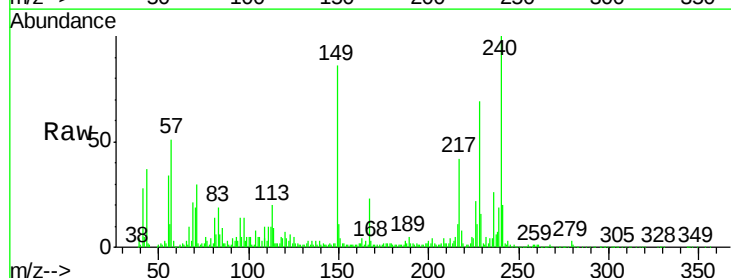
Manual Integrations
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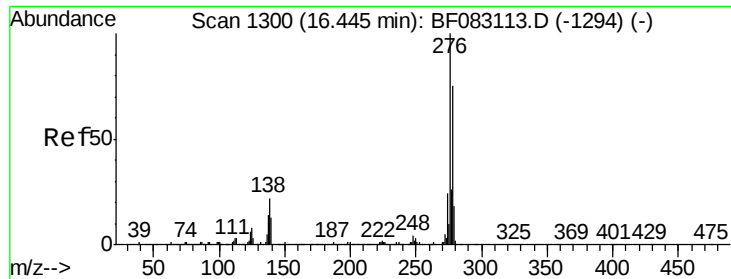
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11/25/2015 12:54:50 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 7.04 ng
RT: 13.76 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.1	30.1
279	3.2	1.7	2.5#





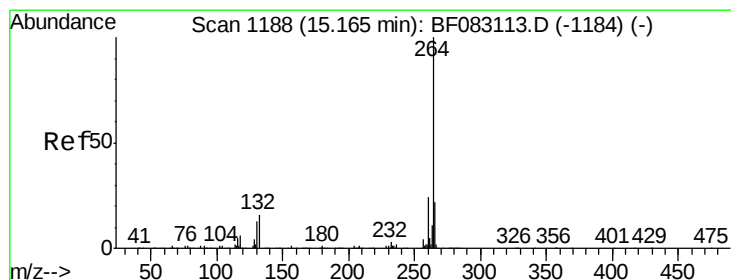
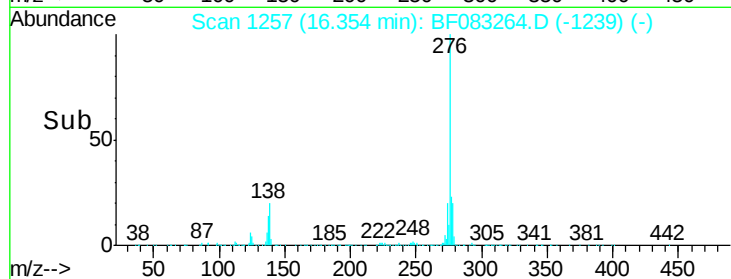
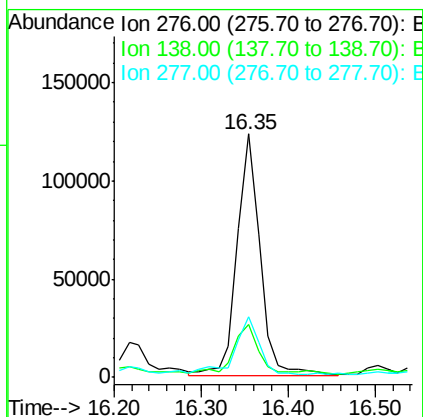
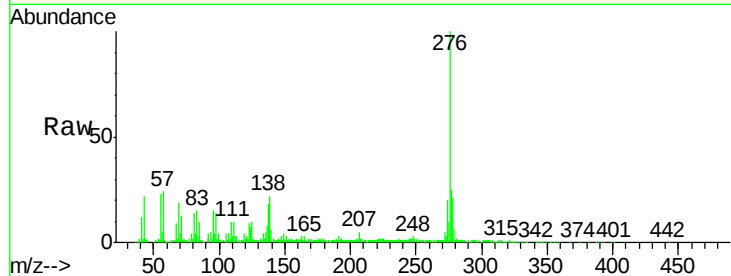
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.20 ng
RT: 16.35 min Scan# 1257
Delta R.T. -0.09 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	225903		
138	22.3	18.0	27.0	
277	26.4	20.2	30.4	

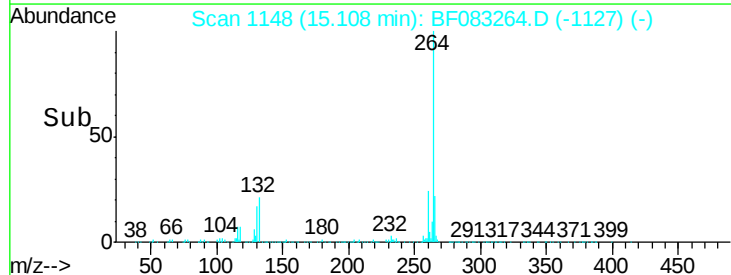
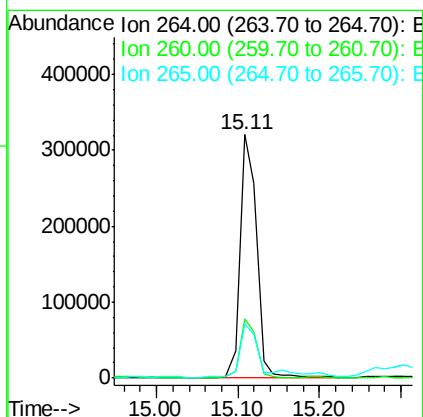
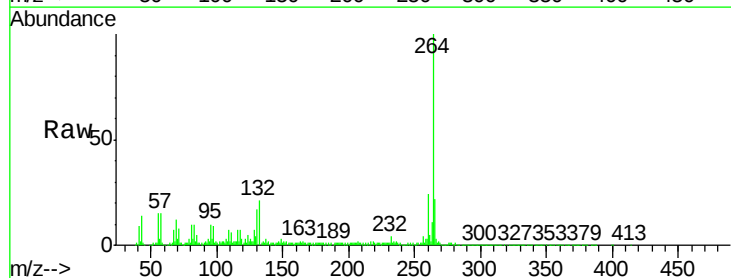
Manual Integrations
APPROVED

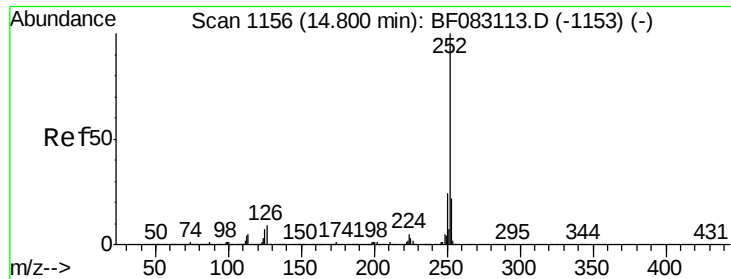
Mmdadoda
11/25/2015 12:54:50 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	447435		
260	24.5	19.1	28.7	
265	22.3	18.2	27.4	





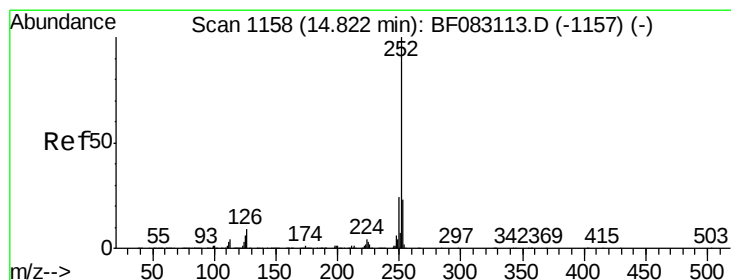
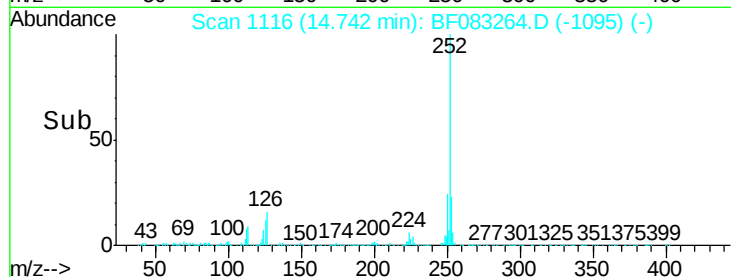
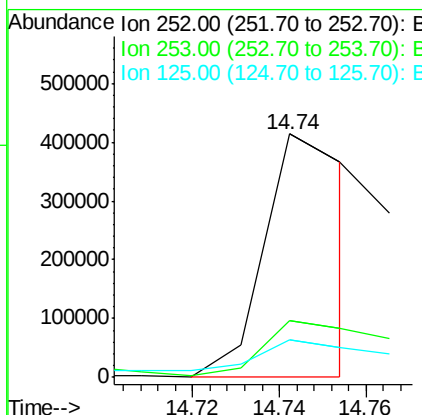
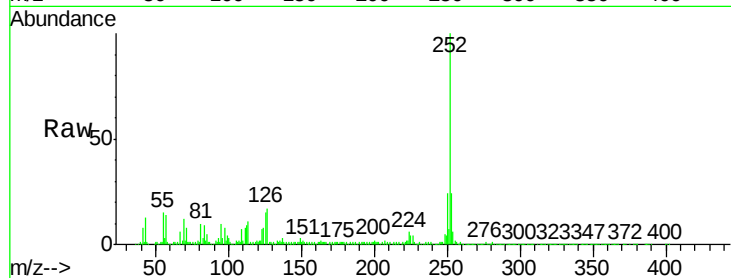
#87
Benzo(b)fluoranthene
Concen: 18.74 ng m
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	15.4	5.6	8.4#

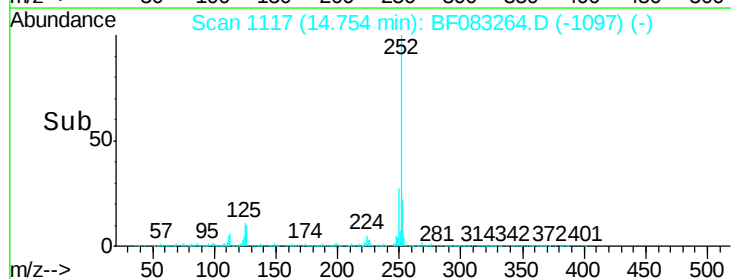
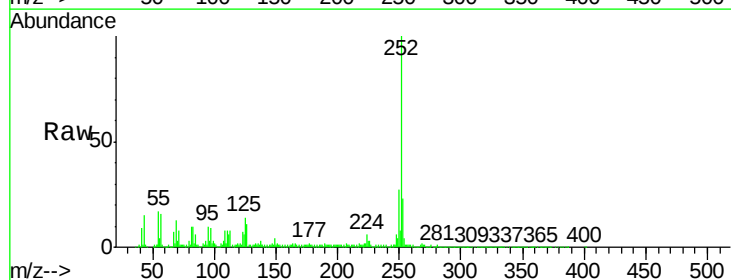
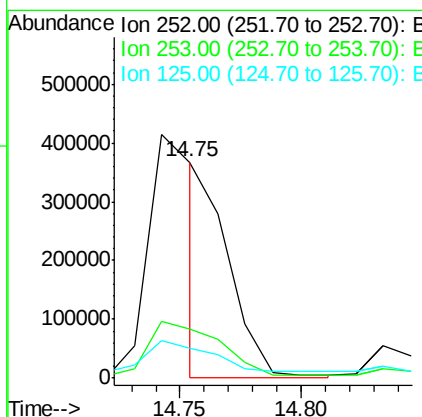
Manual Integrations
APPROVED

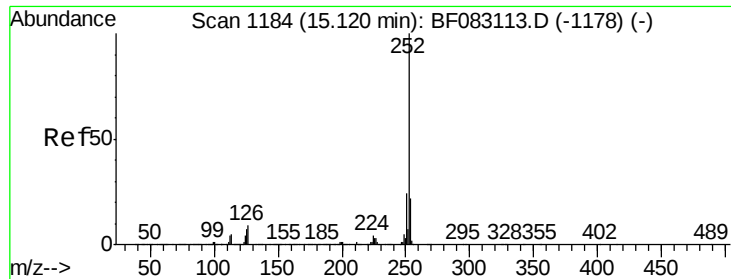
Mmdadoda
11/25/2015 12:54:50 PM



#88
Benzo(k)fluoranthene
Concen: 11.80 ng m
RT: 14.75 min Scan# 1117
Delta R.T. -0.07 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	13.6	6.8	10.2#





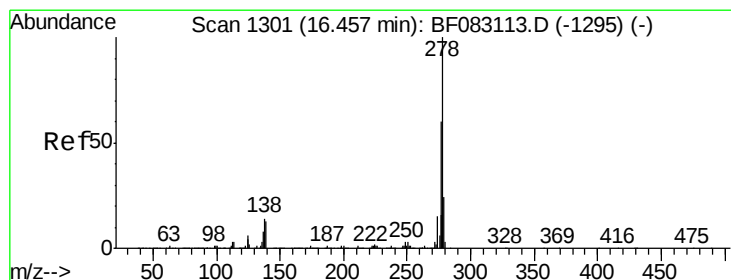
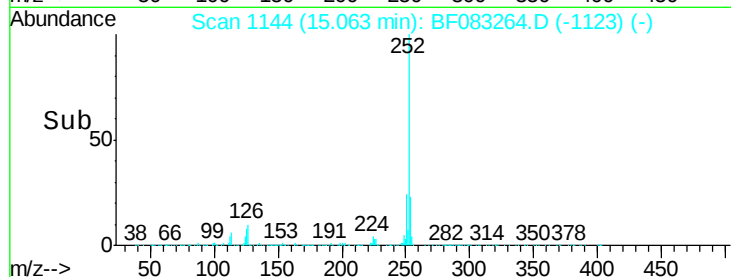
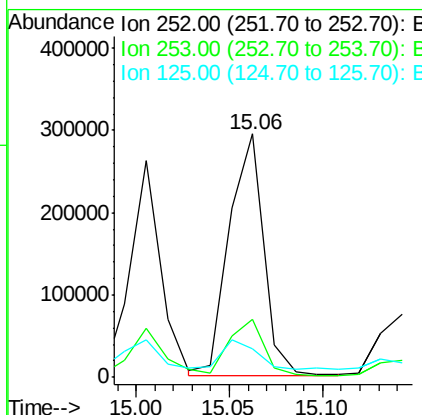
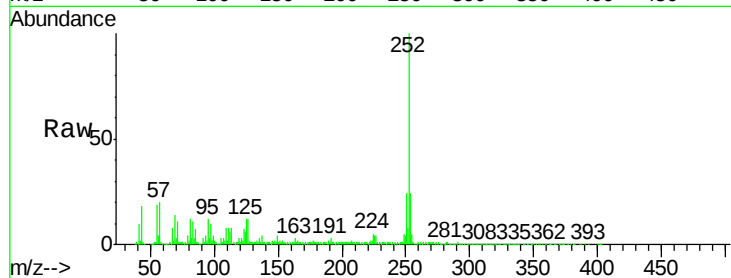
#89
Benzo(a)pyrene
Concen: 15.16 ng
RT: 15.06 min Scan# 1144
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Instrument :
BNA_F
ClientSampleId :
V1S3

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	17.5	26.3
125	11.7	5.4	8.0

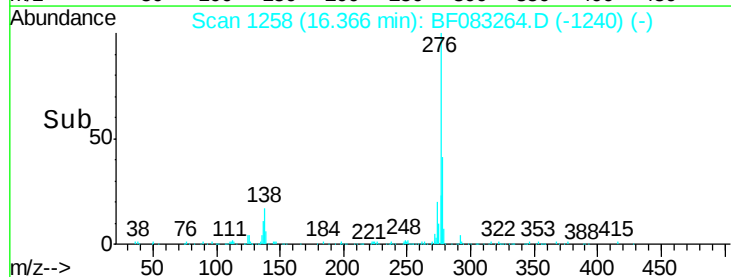
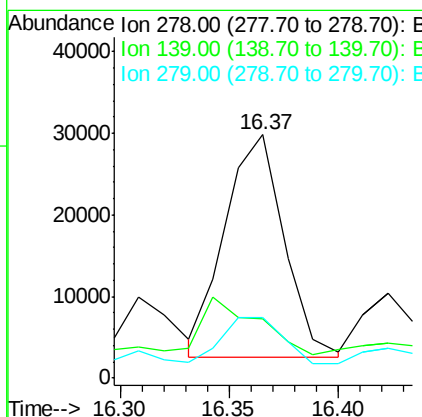
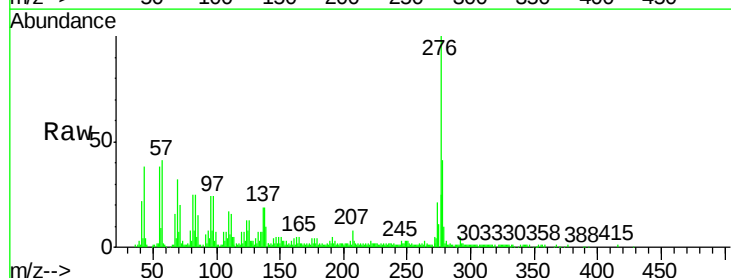
Manual Integrations
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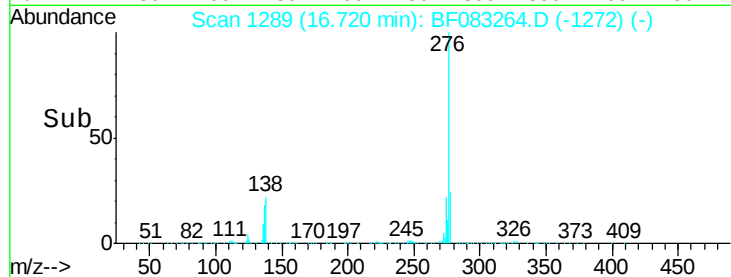
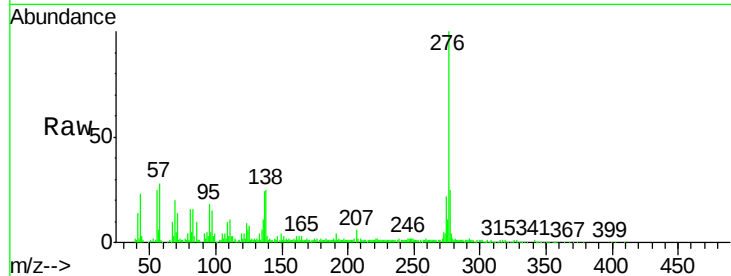
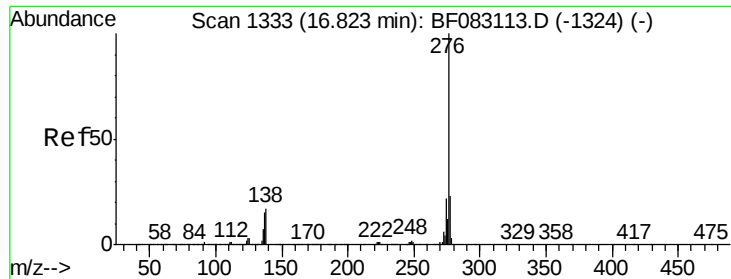
Mmdadoda
11/25/2015 12:54:50 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.24 ng m
RT: 16.37 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	24.1	10.7	16.1
279	24.9	19.3	28.9





#91

Benzo(g,h,i)perylene

Concen: 8.78 ng

RT: 16.72 min Scan# 1289

Delta R.T. -0.10 min

Lab File: BF083264.D

Acq: 25 Nov 2015 4:32

Instrument :

BNA_F

ClientSampleId :

V1S3

Tgt Ion: 276 Resp: 196443

Ion Ratio Lower Upper

276 100

277 25.2 18.7 28.1

138 24.8 13.9 20.9

Manual Integrations
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