

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083021.D
 Acq On : 18 Nov 2015 21:27
 Operator : UM/IZ
 Sample : G4480-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002

Manual Integrations
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 11/19/2015 6:44:46 PM

Quant Time: Nov 19 03:28:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	184476	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	966028	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	441449	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	710459	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	480192	20.00	ng	-0.02
86) Perylene-d12	15.27	264	477793	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	949469	80.08	ng	0.00
7) Phenol-d6	6.38	99	1428109	90.60	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1421578	64.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	400153	79.06	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1943161	63.09	ng	-0.01
78) Terphenyl-d14	12.83	244	1466263	72.42	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	397772	11.00	ng	98
70) Phenanthrene	11.26	178	575914	13.96	ng	97
71) Anthracene	11.32	178	176050	4.05	ng	95
74) Fluoranthene	12.45	202	863975	19.51	ng	99
77) Pyrene	12.68	202	703038	21.32	ng	97
80) Benzo(a)anthracene	13.86	228	377182	12.56	ng	97
82) Chrysene	13.89	228	257617m	9.37	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	173435	7.32	ng	# 94
87) Benzo(b)fluoranthene	14.88	252	353339m	11.52	ng	
88) Benzo(k)fluoranthene	14.90	252	132717m	4.88	ng	
89) Benzo(a)pyrene	15.21	252	267565	10.07	ng	100
91) Benzo(g,h,i)perylene	16.96	276	152362	7.07	ng	# 93

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

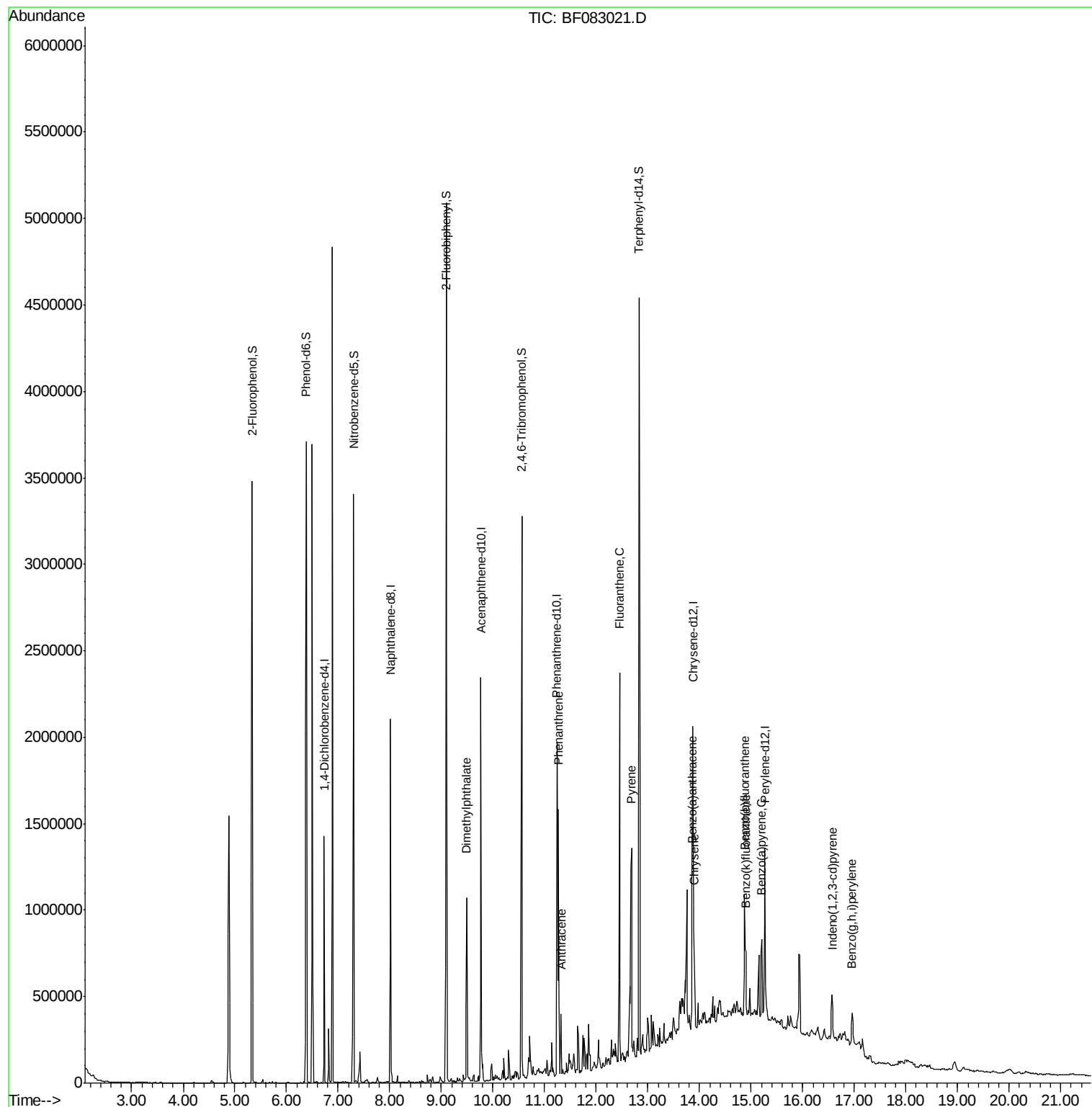
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083021.D
Acq On : 18 Nov 2015 21:27
Operator : UM/IZ
Sample : G4480-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

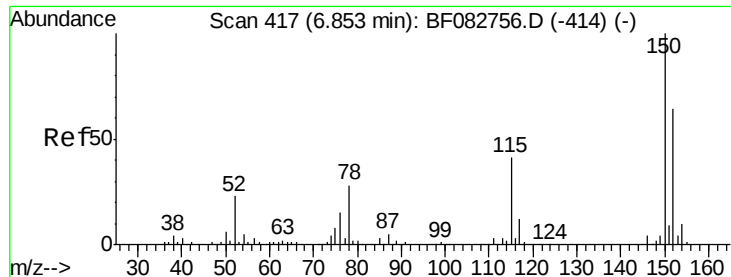
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002

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Quant Time: Nov 19 03:28:51 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

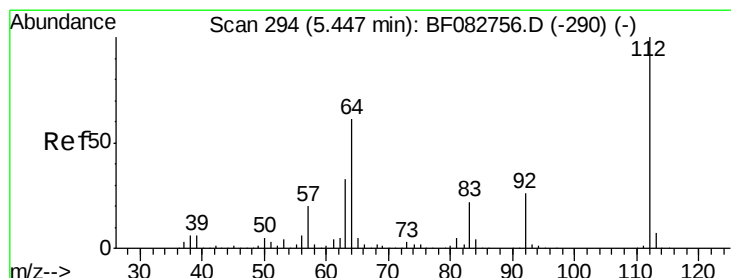
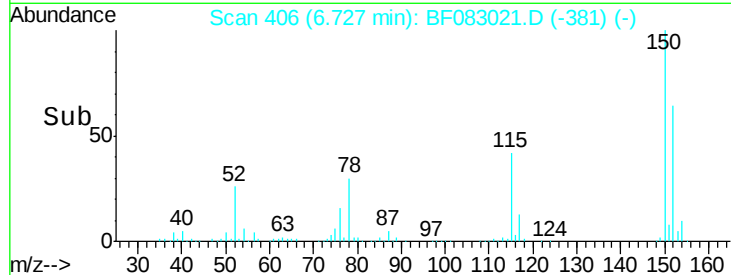
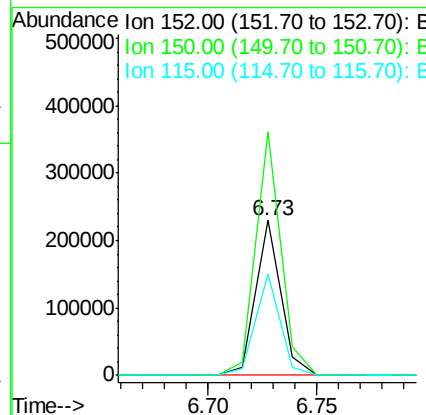
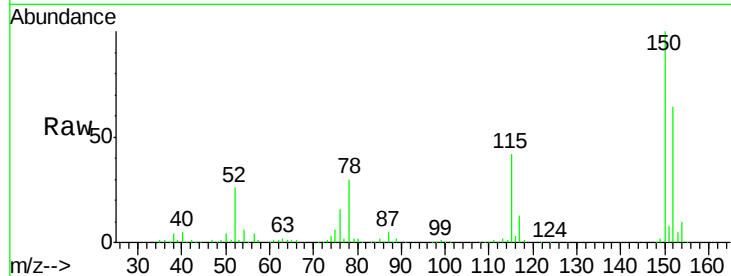
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.0	190.4
115	65.9	47.0	70.6

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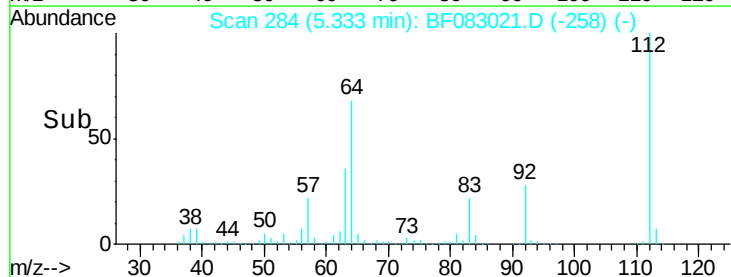
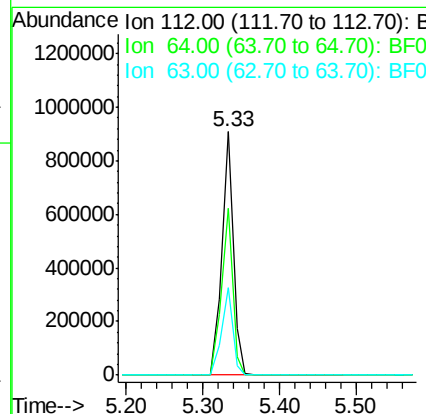
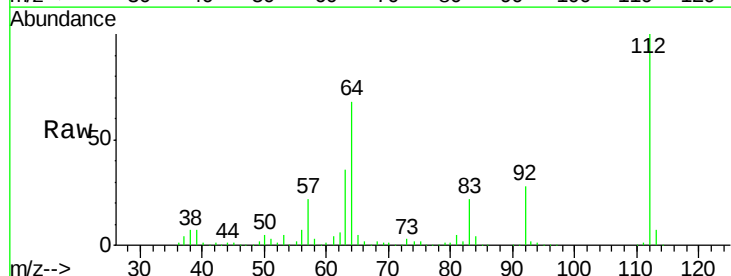
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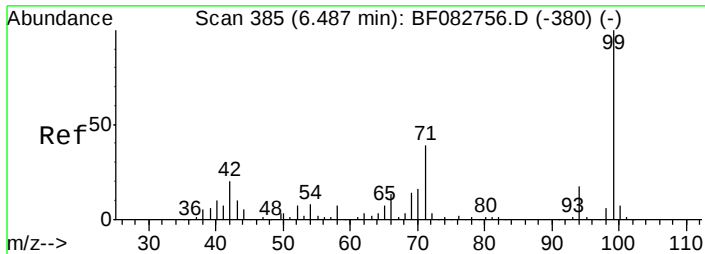


#5

2-Fluorophenol
Concen: 80.08 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

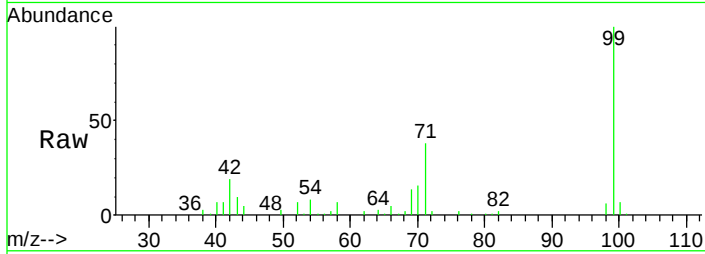
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	48.9	73.3
63	36.0	28.1	42.1





#7
Phenol-d6
Concen: 90.60 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

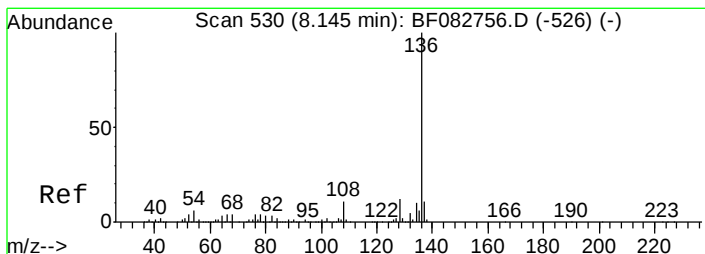
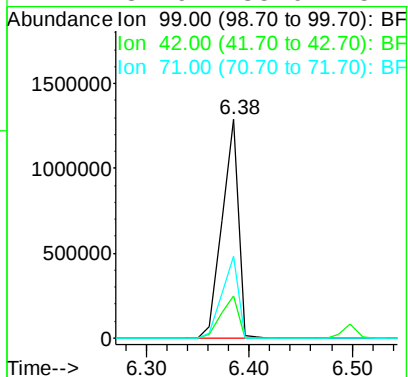
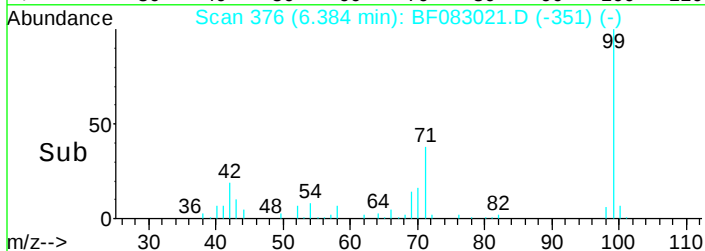
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002



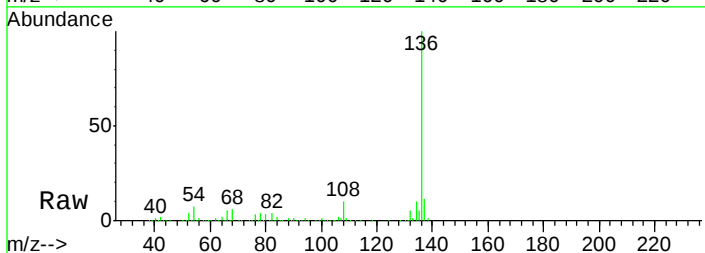
Tgt Ion: 99 Resp: 1428109
Ion Ratio Lower Upper
99 100
42 19.3 19.2 28.8
71 37.6 35.0 52.4

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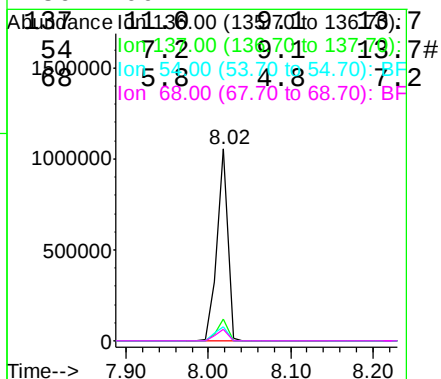
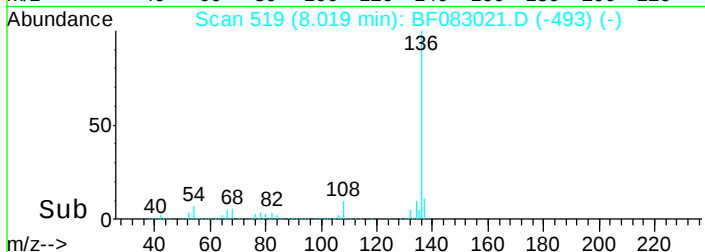
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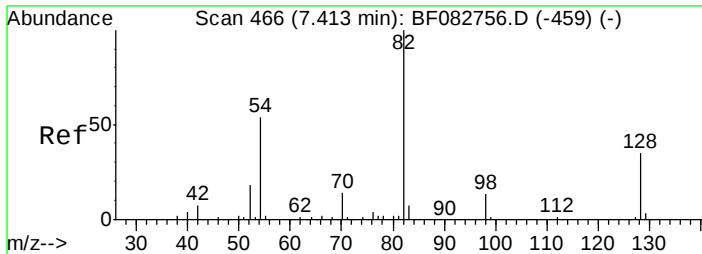


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.00 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27



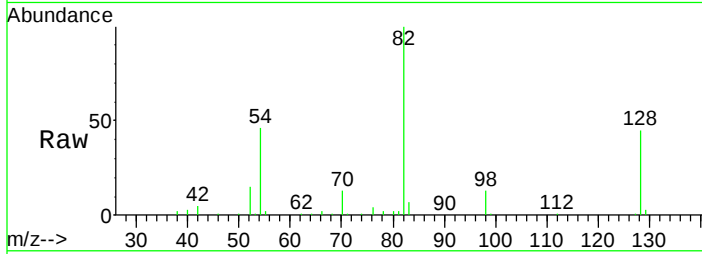
Tgt Ion: 136 Resp: 966028
Ion Ratio Lower Upper
136 100





#23
 Nitrobenzene-d5
 Concen: 64.03 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27

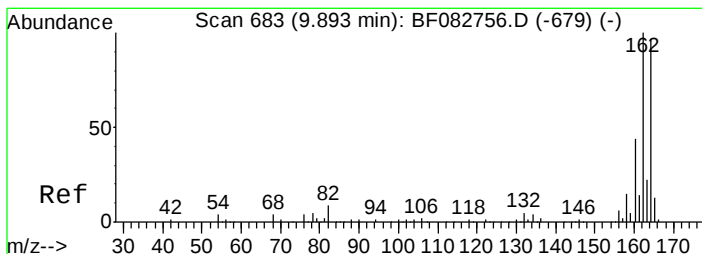
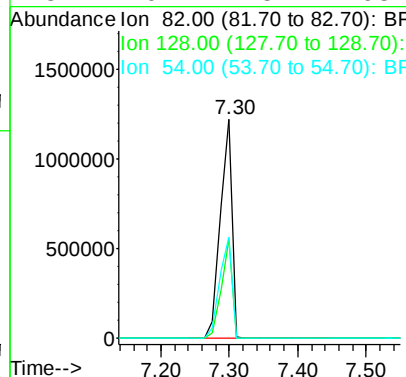
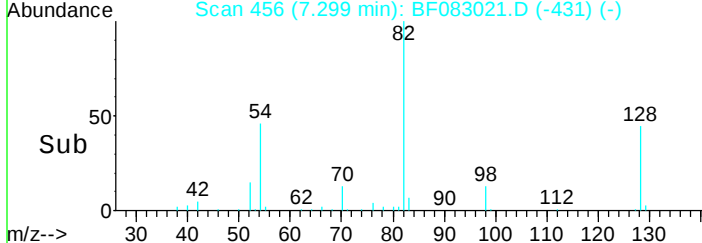
Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002



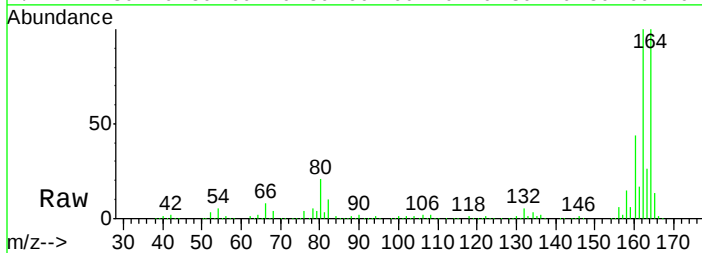
Tgt Ion: 82 Resp: 1421578
 Ion Ratio Lower Upper
 82 100
 128 44.9 26.8 40.2#
 54 46.2 45.7 68.5

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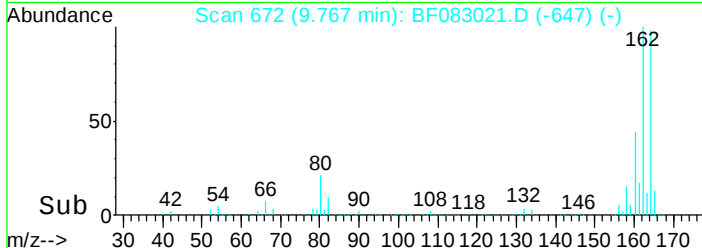
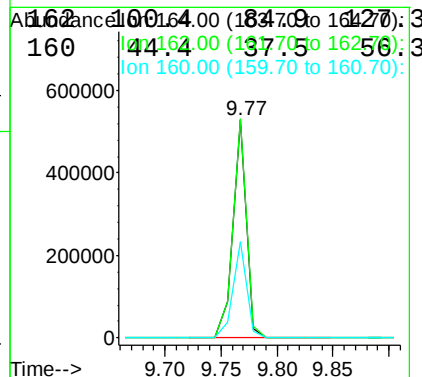
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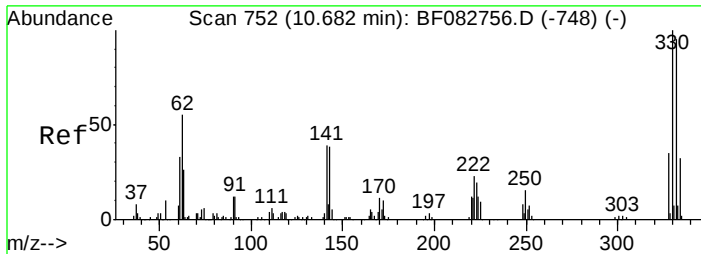


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27



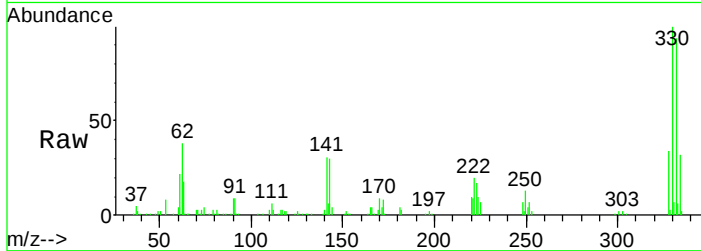
Tgt Ion: 164 Resp: 441449
 Ion Ratio Lower Upper
 164 100





#41
 2,4,6-Tribromophenol
 Concen: 79.06 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27

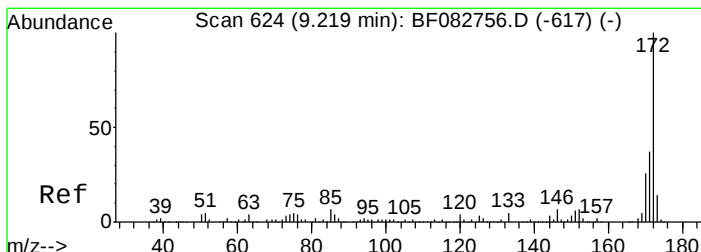
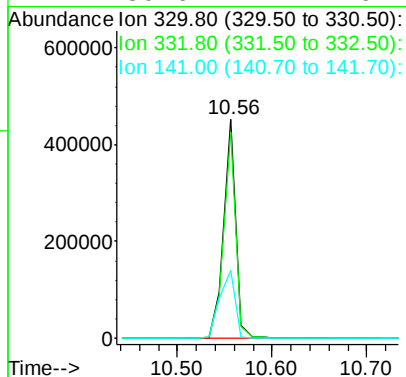
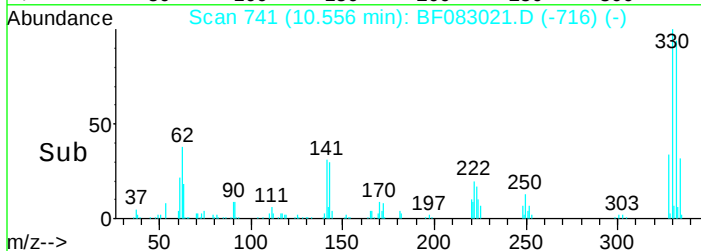
Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002



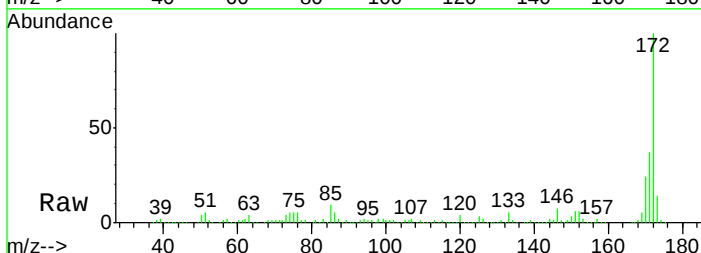
Tgt Ion:330 Resp: 400153
 Ion Ratio Lower Upper
 330 100
 332 93.8 76.6 114.8
 141 39.6 41.2 61.8#

Manual Integrations
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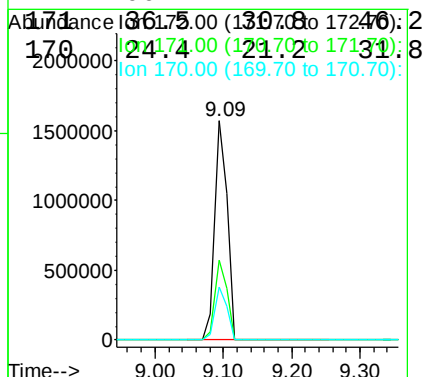
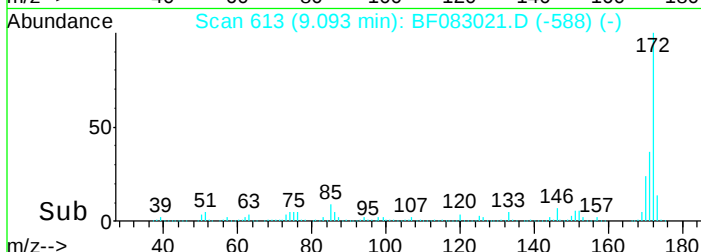
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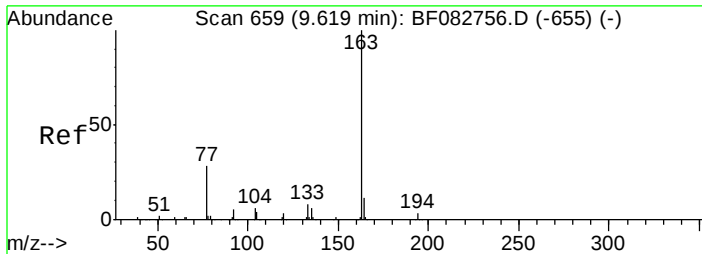


#44
 2-Fluorobiphenyl
 Concen: 63.09 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27



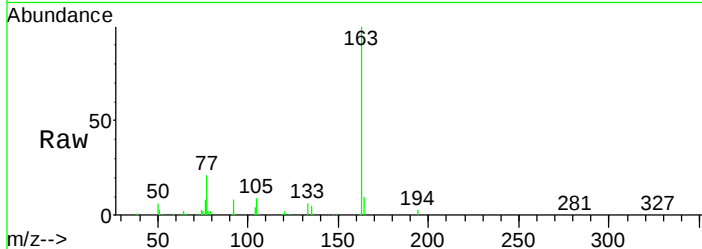
Tgt Ion:172 Resp: 1943161
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.9 46.2
 170 24.4 21.2 31.8





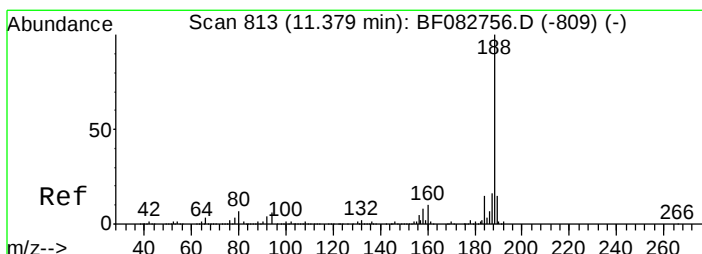
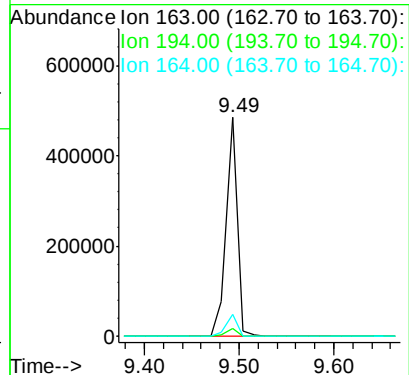
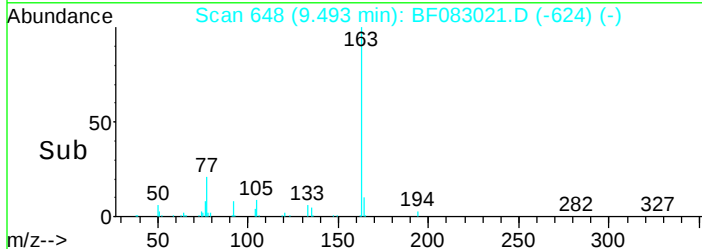
#49
 Dimethylphthalate
 Concen: 11.00 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002

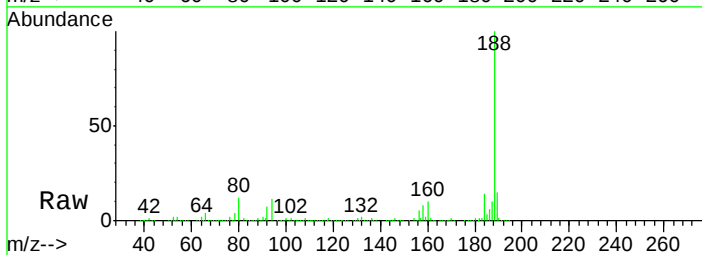


Tgt Ion:	163	Resp:	397772
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.9	8.7	13.1

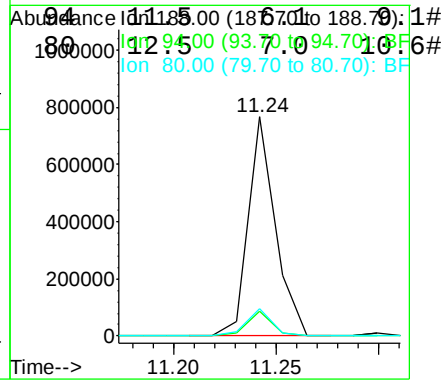
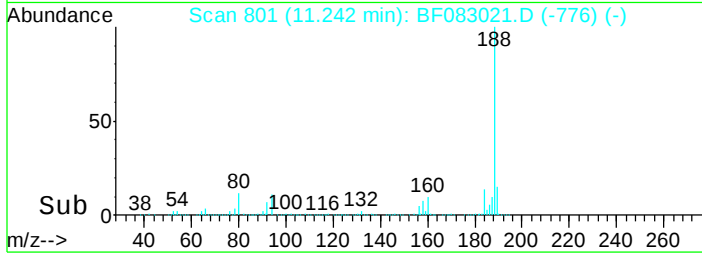
Manual Integrations
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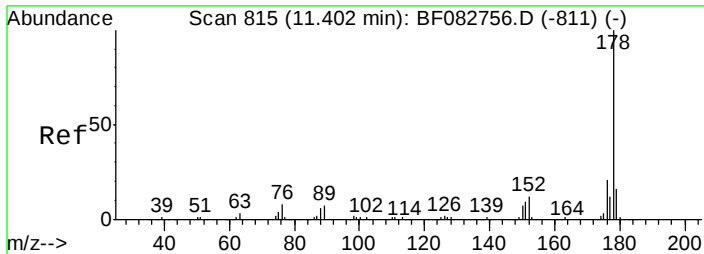


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27



Tgt Ion:	188	Resp:	710459
Ion Ratio	Lower	Upper	
188	100		





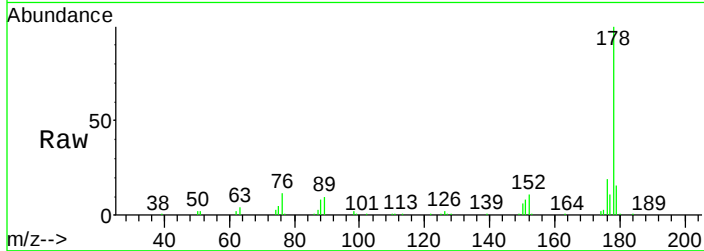
#70
Phenanthrene
Concen: 13.96 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002

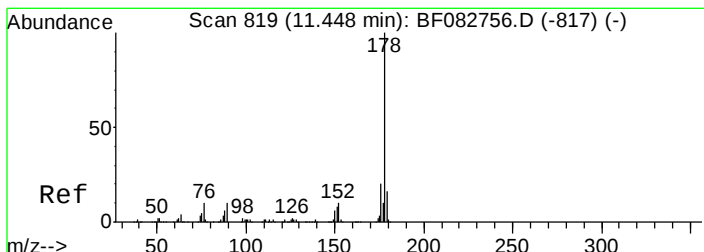
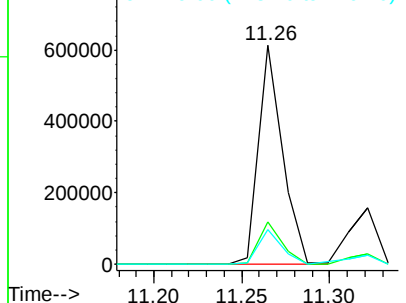
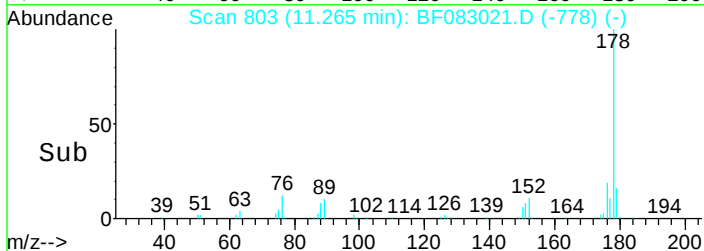
Tgt Ion:178 Resp: 575914
Ion Ratio Lower Upper
178 100
176 19.5 17.0 25.4
179 15.9 13.4 20.0

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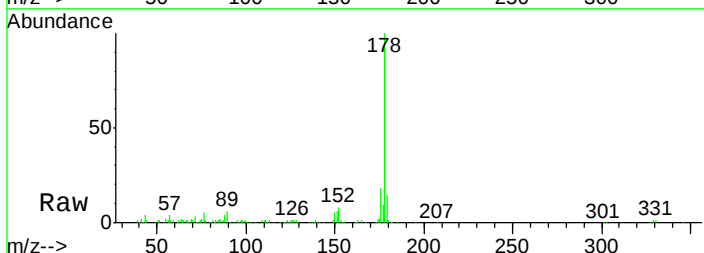


Abundance Ion 178.00 (177.70 to 178.70):
Ion 176.00 (175.70 to 176.70):
Ion 179.00 (178.70 to 179.70):

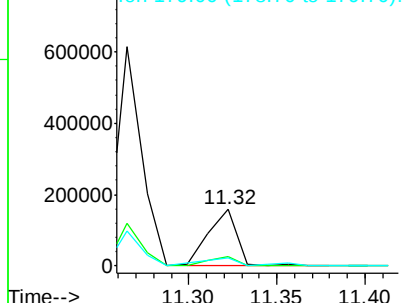
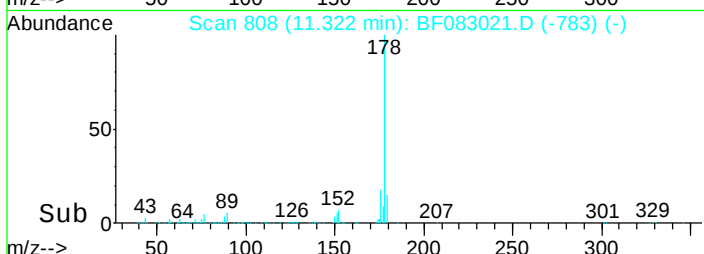


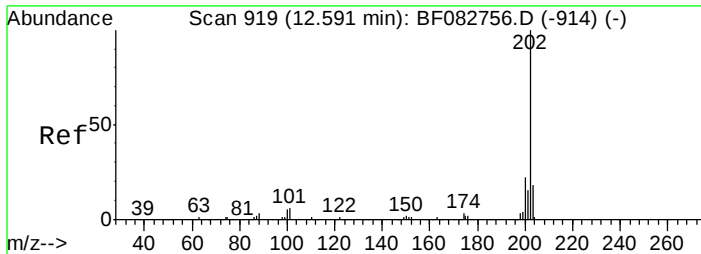
#71
Anthracene
Concen: 4.05 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion:178 Resp: 176050
Ion Ratio Lower Upper
178 100



Abundance Ion 178.00 (177.70 to 178.70):
Ion 176.00 (175.70 to 176.70):
Ion 179.00 (178.70 to 179.70):





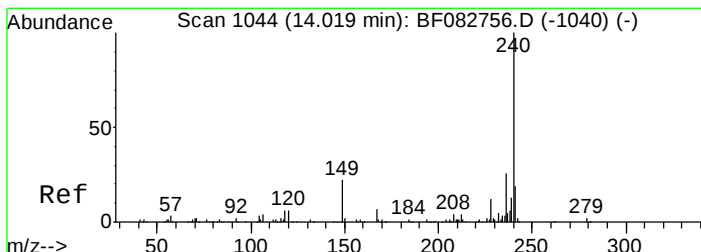
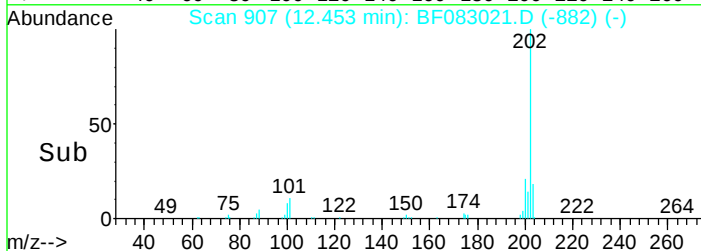
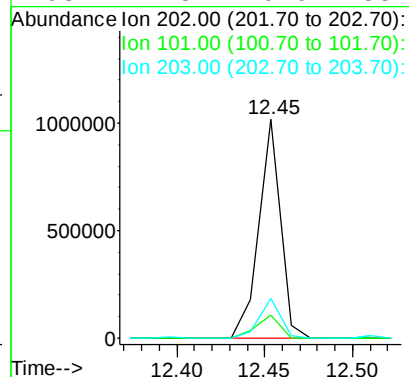
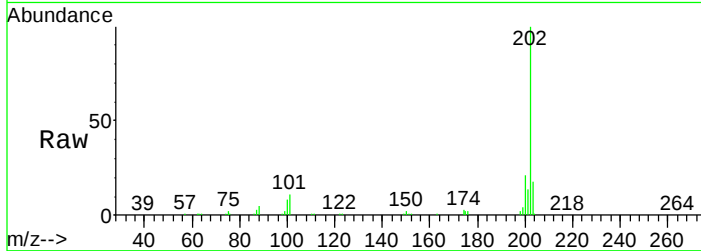
#74
Fluoranthene
Concen: 19.51 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	863975		
101	10.7	0.0	30.5	
203	17.8	0.0	38.5	

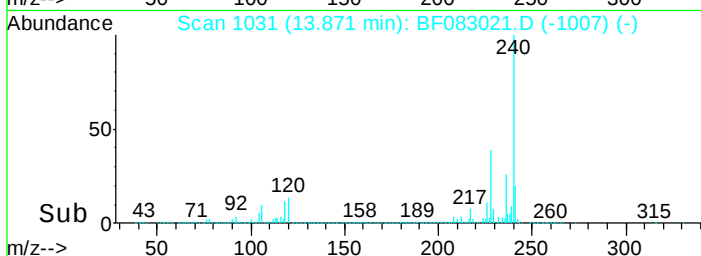
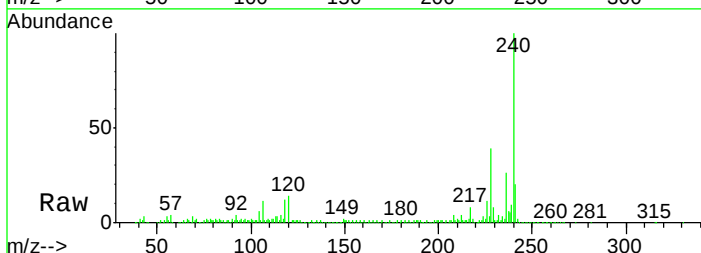
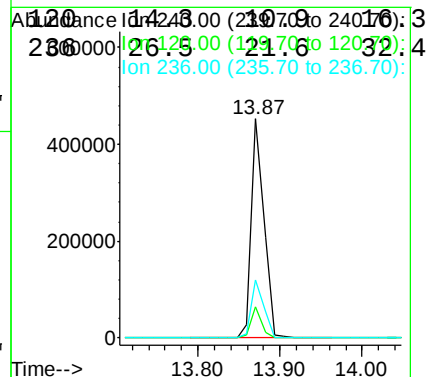
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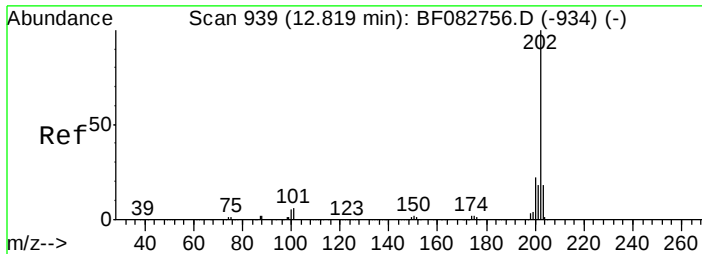
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

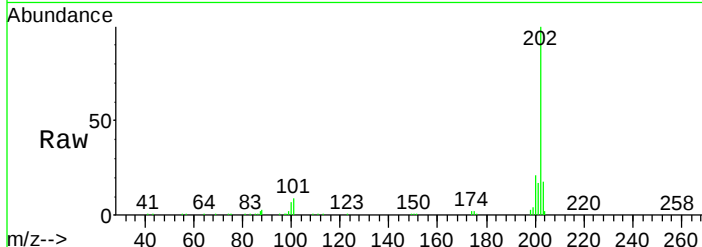
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	480192		
120	14.8	10.9	16.3	
236	26.5	21.6	32.4	





#77
 Pyrene
 Concen: 21.32 ng
 RT: 12.68 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27

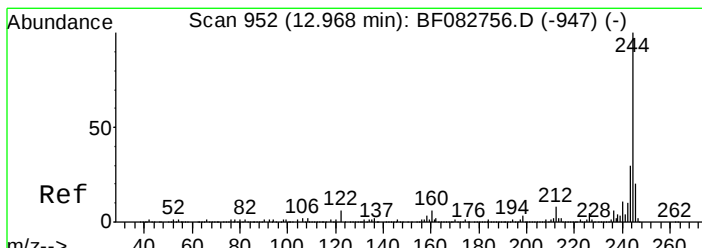
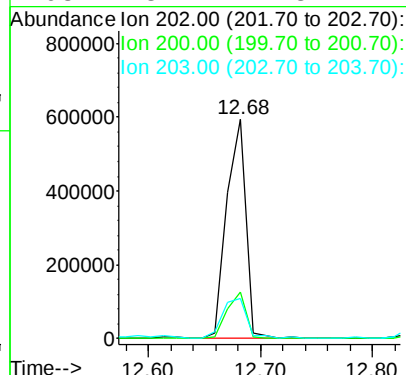
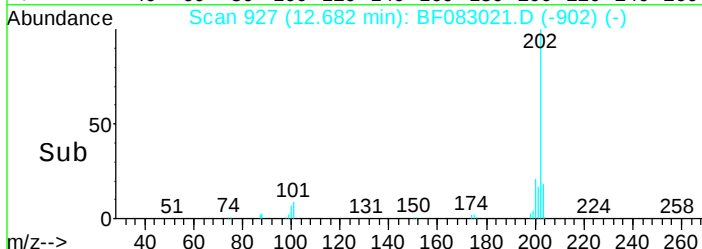
Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002



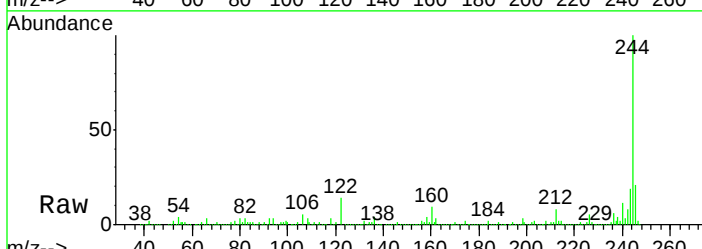
Tgt Ion:	202	Resp:	703038
Ion Ratio	Lower	Upper	
202	100		
200	20.8	18.7	28.1
203	18.1	14.8	22.2

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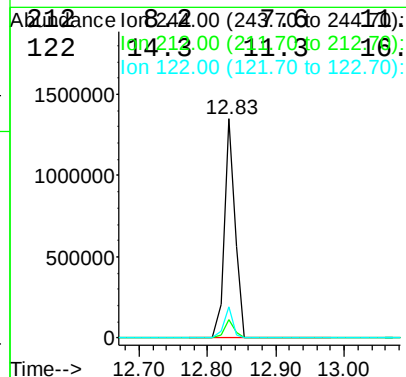
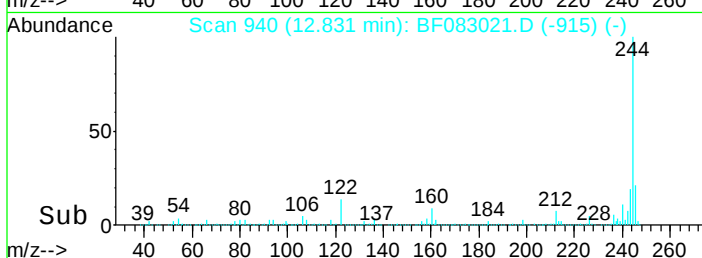
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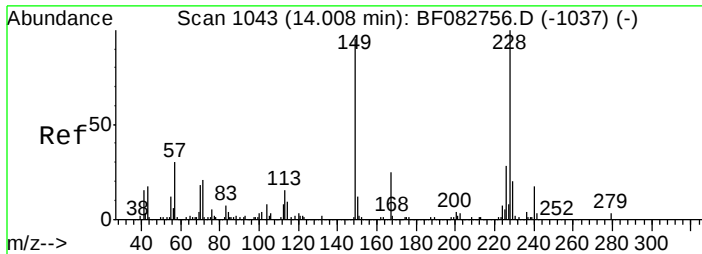


#78
 Terphenyl-d14
 Concen: 72.42 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27



Tgt Ion:	244	Resp:	1466263
Ion Ratio	Lower	Upper	
244	100		
212	8.2	7.6	11.4
122	14.3	11.3	16.9





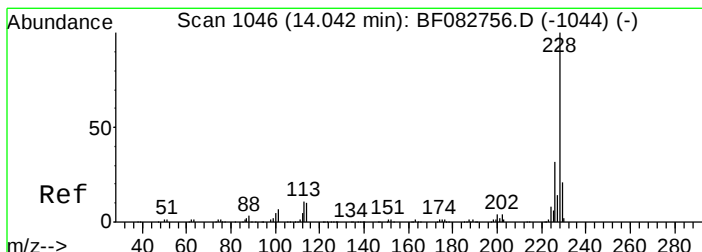
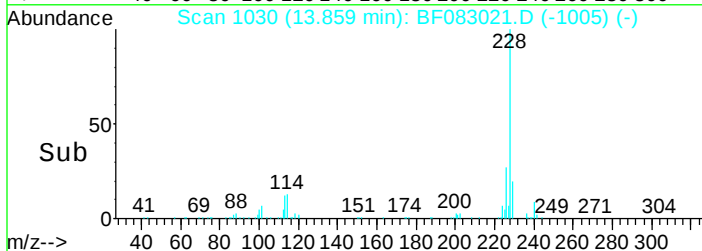
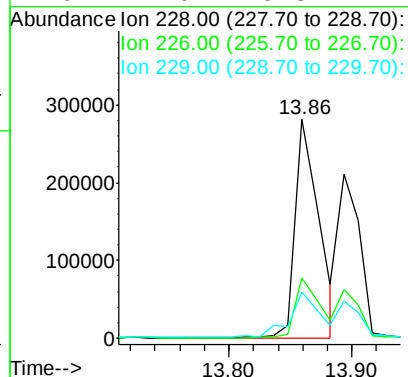
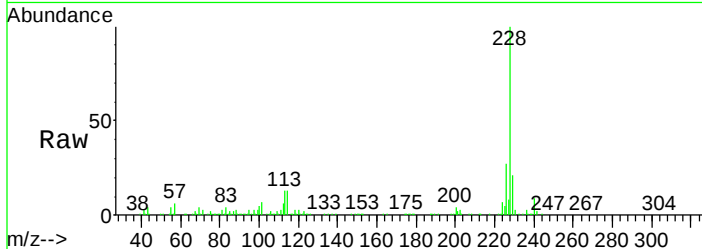
#80
Benzo(a)anthracene
Concen: 12.56 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.4	35.2
229	21.0	16.3	24.5

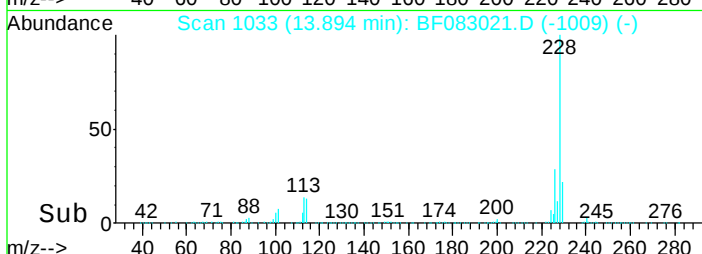
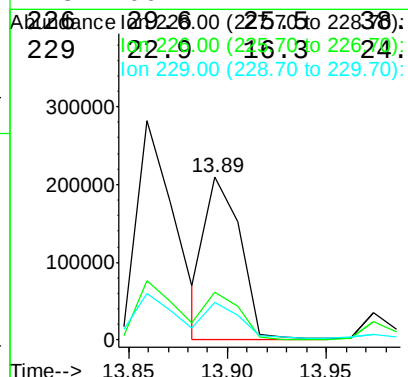
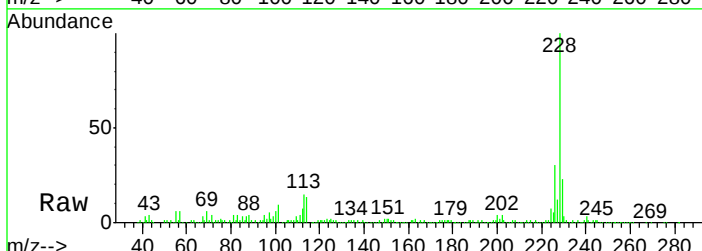
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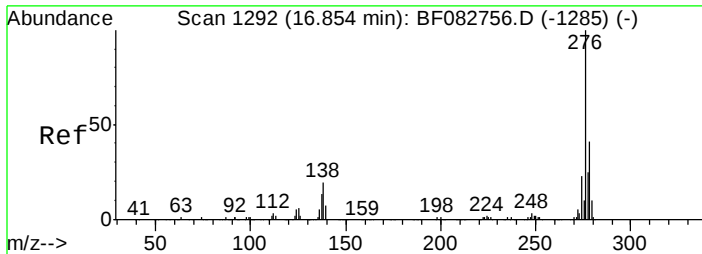
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#82
Chrysene
Concen: 9.37 ng m
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

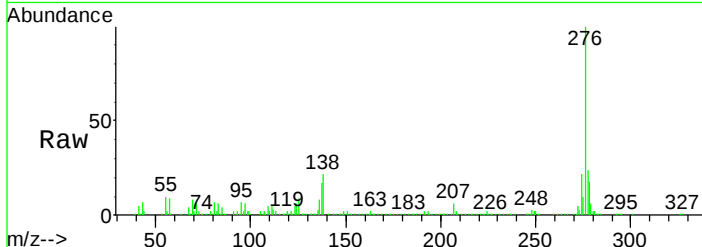
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.26	25.5	36.3
229	22.9	16.3	24.5





#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.32 ng
 RT: 16.57 min Scan# 1267
 Delta R.T. -0.03 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27

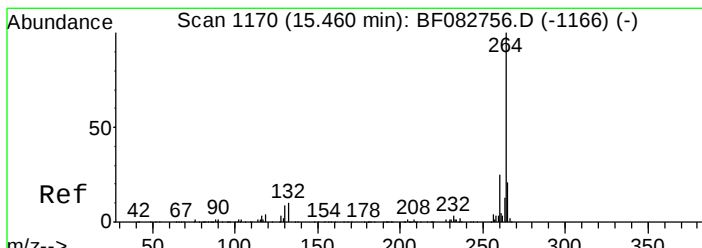
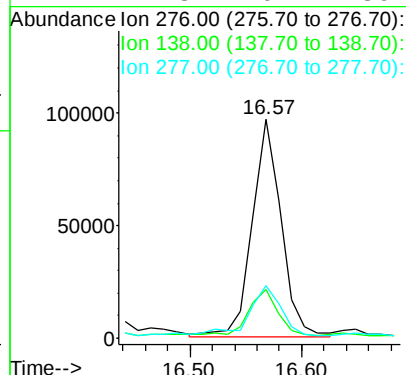
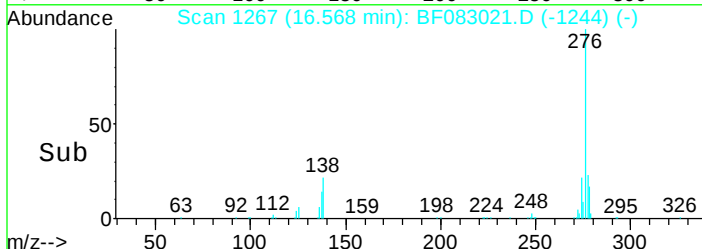
Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY SF_002



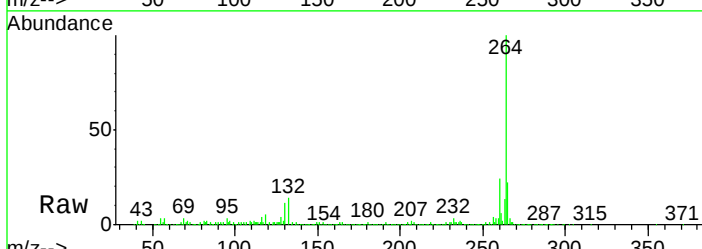
Tgt Ion:276 Resp: 173435
 Ion Ratio Lower Upper
 276 100
 138 23.4 15.3 22.9#
 277 27.3 20.2 30.4

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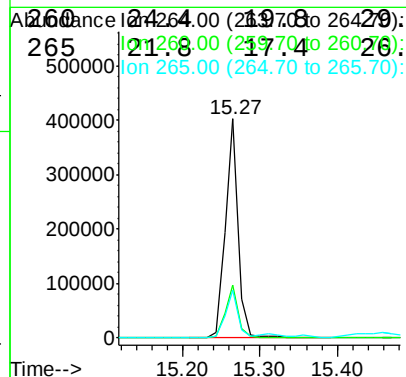
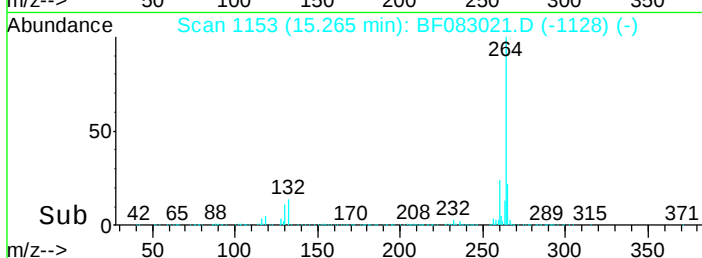
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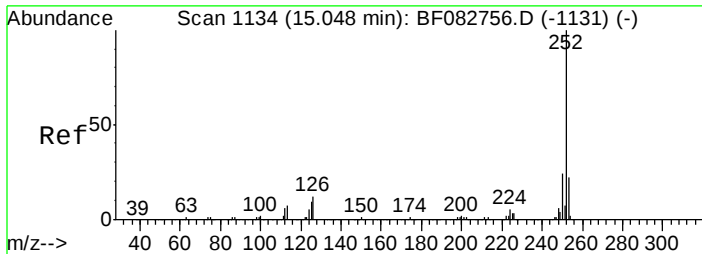


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF083021.D
 Acq: 18 Nov 2015 21:27



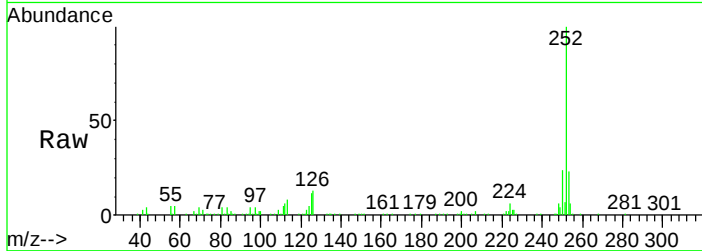
Tgt Ion:264 Resp: 477793
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.8 29.6
 265 21.8 17.4 26.0





#87
Benzo(b)fluoranthene
Concen: 11.52 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

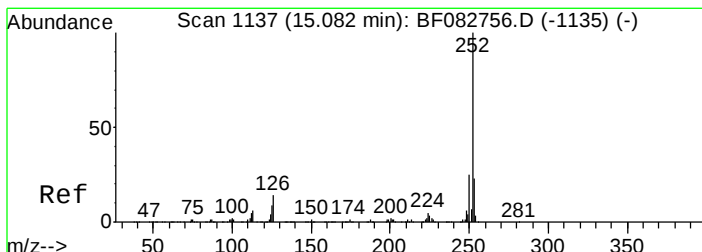
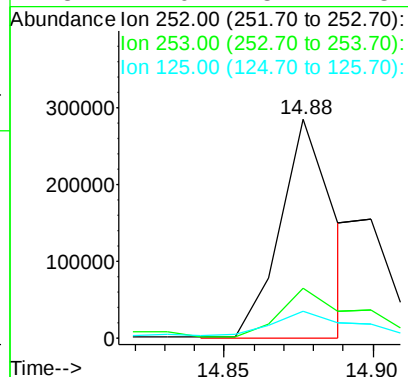
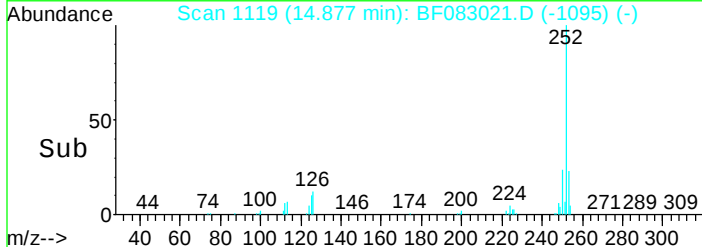
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002



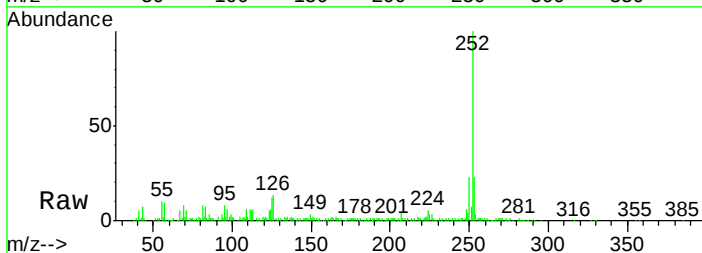
Tgt Ion:252 Resp: 353339
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.0 5.4 8.2#

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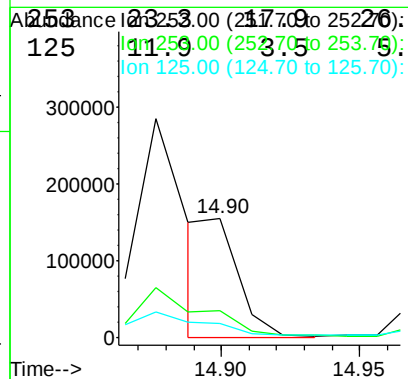
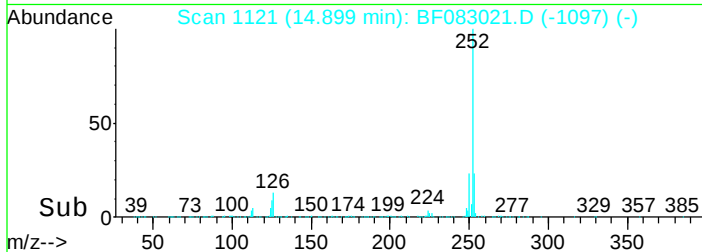
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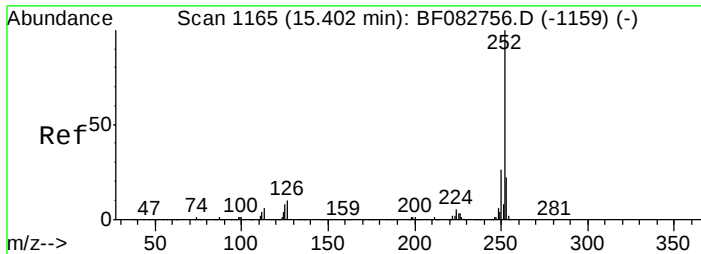


#88
Benzo(k)fluoranthene
Concen: 4.88 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27



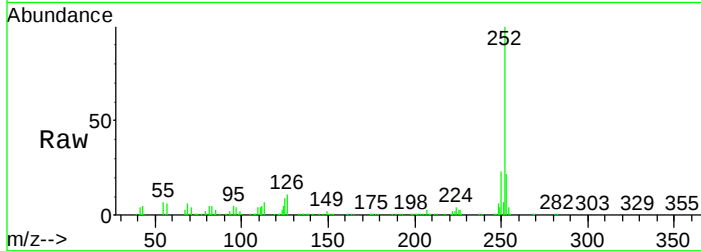
Tgt Ion:252 Resp: 132717
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 11.9 3.5 9.3#





#89
Benzo(a)pyrene
Concen: 10.07 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

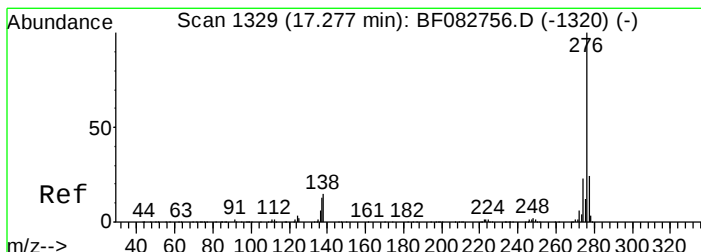
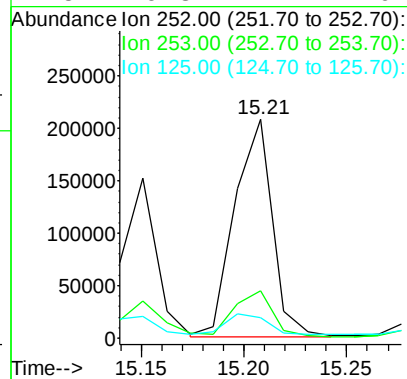
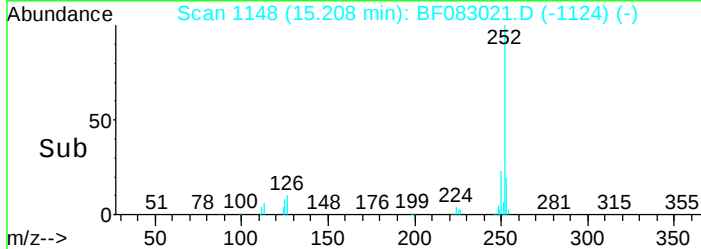
Instrument :
BNA_F
ClientSampleId :
LIBERTY SF_002



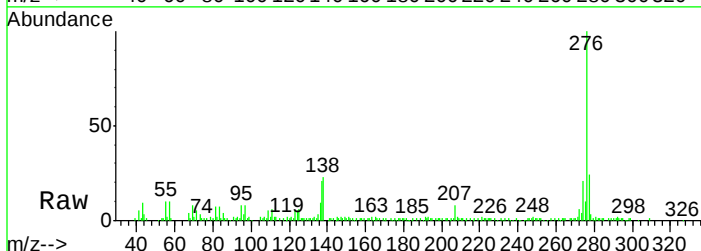
Tgt Ion:252 Resp: 267565
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 9.3 7.1 10.7

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#91
Benzo(g,h,i)perylene
Concen: 7.07 ng
RT: 16.96 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27



Tgt Ion:276 Resp: 152362
Ion Ratio Lower Upper
276 100

