

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083899.D
 Acq On : 18 Dec 2015 6:12
 Operator : UM/SJ
 Sample : G4739-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

Manual Integrations
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Quant Time: Dec 18 07:19:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	66394	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	238819	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	108687	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	167014	20.00	ng	0.01
75) Chrysene-d12	14.04	240	121274	20.00	ng	0.01
86) Perylene-d12	15.48	264	110160	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	395238	93.16	ng	0.01
7) Phenol-d6	6.52	99	559555	107.75	ng	0.01
23) Nitrobenzene-d5	7.44	82	297734	71.15	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	115412	96.39	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	547703	68.64	ng	0.00
78) Terphenyl-d14	12.99	244	317508	59.32	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.18	128	73952	4.15	ng	100
37) 2-Methylnaphthalene	8.88	142	19739	2.38	ng	98
48) Acenaphthylene	9.77	152	96828	7.64	ng	98
49) Dimethylphthalate	9.63	163	125708	13.78	ng	# 99
70) Phenanthrene	11.43	178	46651	4.62	ng	# 92
71) Anthracene	11.47	178	68245m	7.00	ng	
74) Fluoranthene	12.61	202	136540	13.56	ng	96
77) Pyrene	12.84	202	334242	43.44	ng	98
80) Benzo(a)anthracene	14.03	228	173121	23.22	ng	# 77
82) Chrysene	14.07	228	187166m	25.99	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	44997	8.35	ng	97
87) Benzo(b)fluoranthene	15.07	252	155304m	19.34	ng	
88) Benzo(k)fluoranthene	15.08	252	39309m	5.93	ng	
89) Benzo(a)pyrene	15.43	252	153085	23.08	ng	99
90) Dibenzo(a,h)anthracene	16.91	278	15062	2.92	ng	# 82
91) Benzo(g,h,i)perylene	17.35	276	49999	9.89	ng	97

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

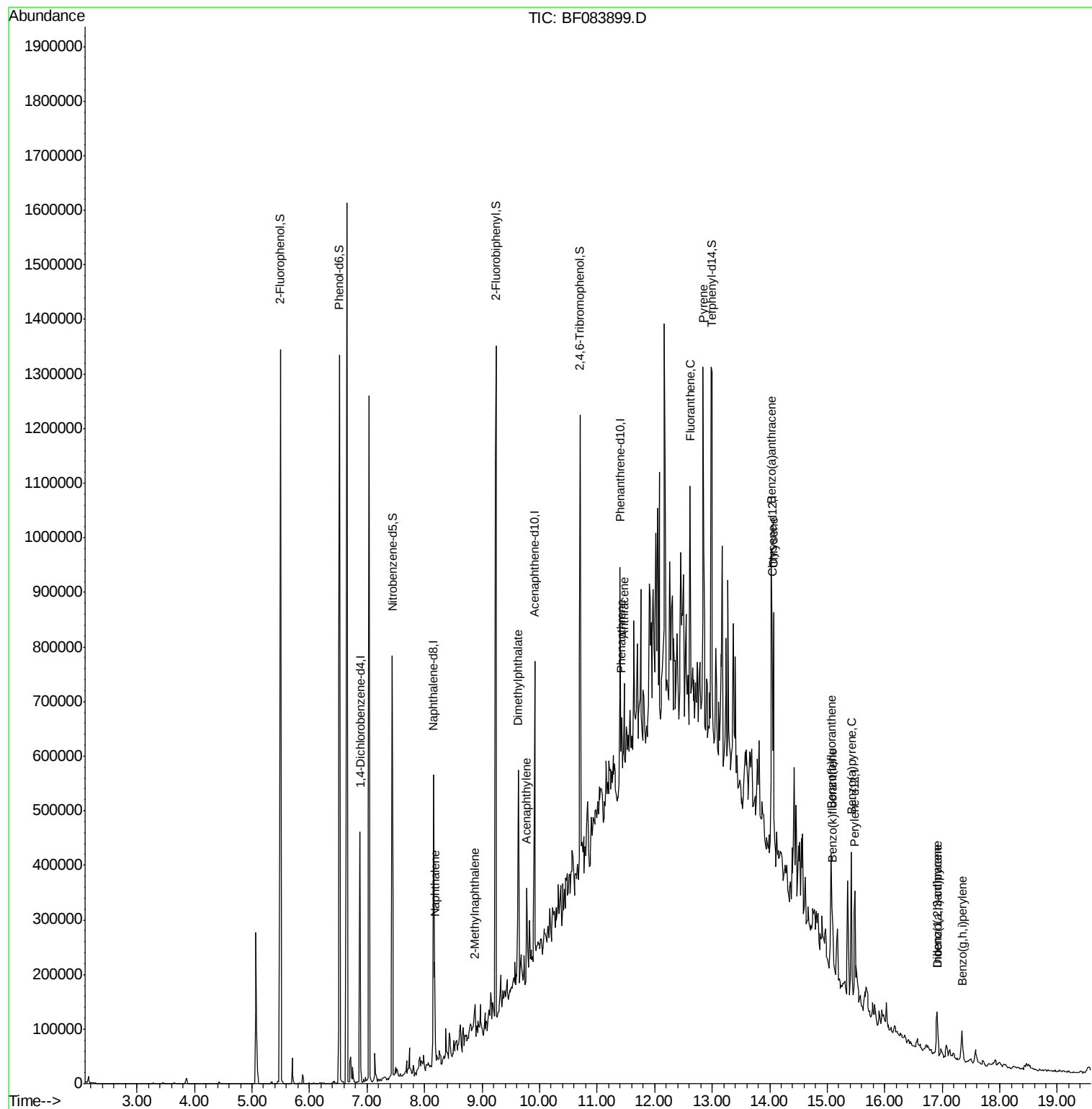
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083899.D
Acq On : 18 Dec 2015 6:12
Operator : UM/SJ
Sample : G4739-16
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ALS Vial : 20 Sample Multiplier: 1

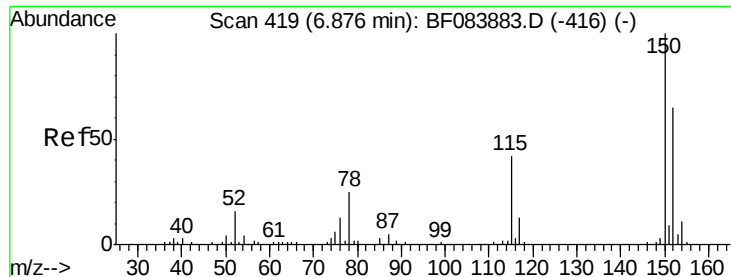
Instrument :
BNA_F
ClientSampleId :
K201-27-28

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Quant Time: Dec 18 07:19:19 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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#1

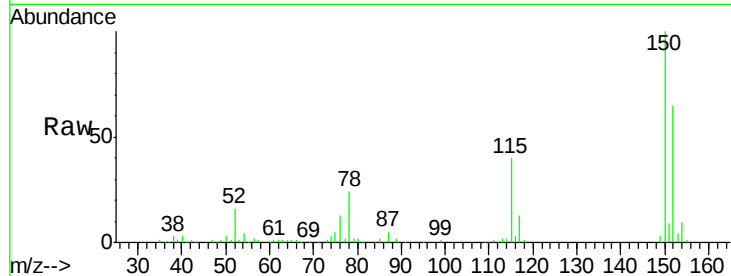
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. 0.00 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Instrument :
BNA_F
ClientSampleId :
K201-27-28

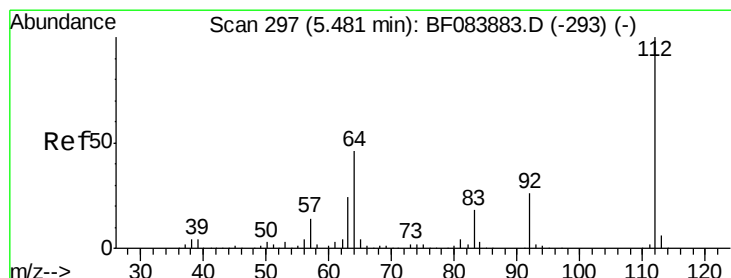
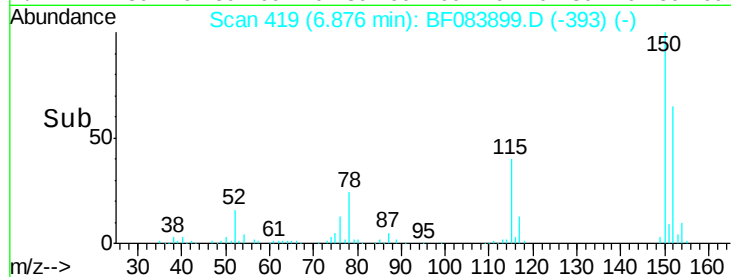
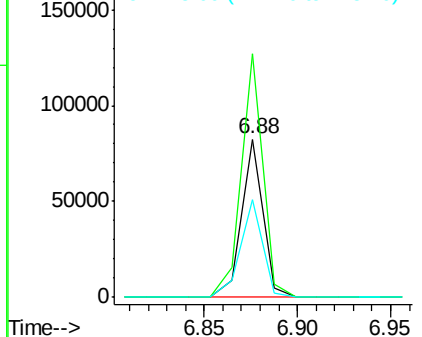
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	66394		
150	153.7	123.0	184.4	
115	61.3	51.4	77.2	

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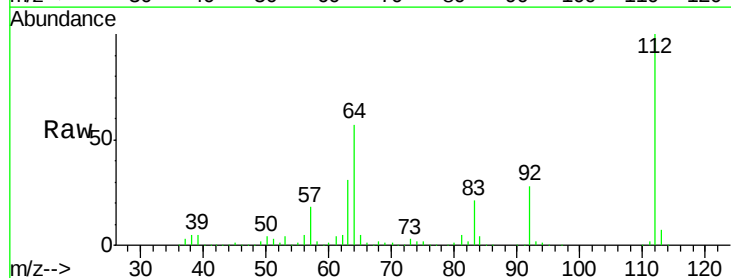
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



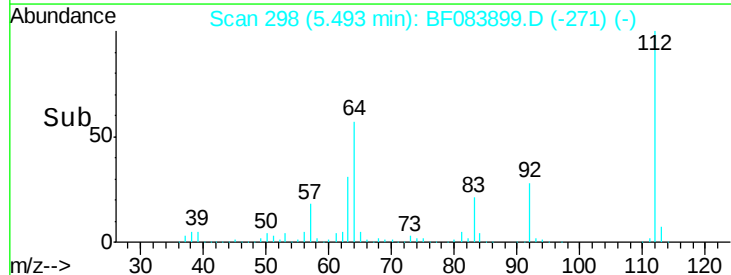
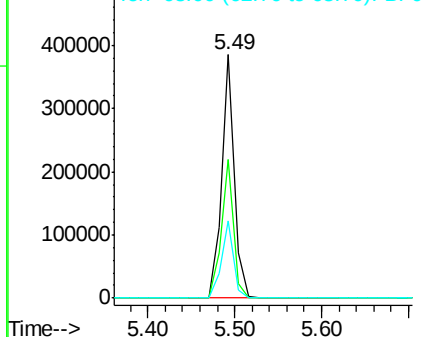
#5

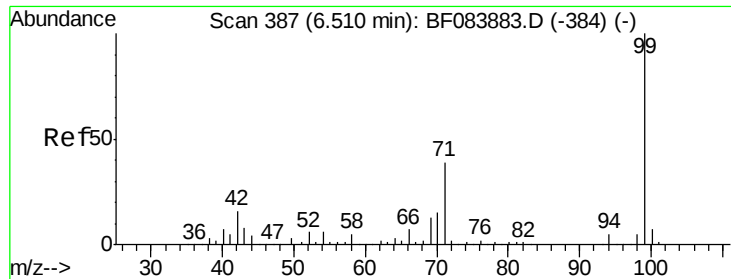
2-Fluorophenol
Concen: 93.16 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	395238		
64	56.9	36.6	55.0#	
63	31.5	19.4	29.0#	



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.75 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

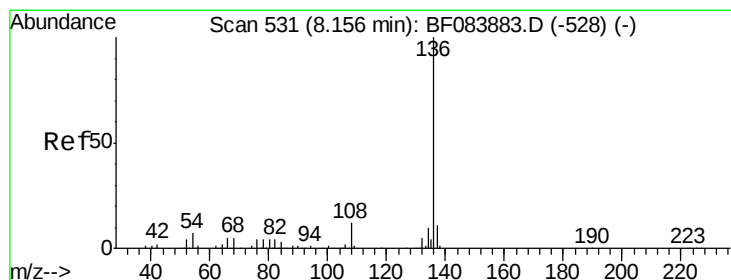
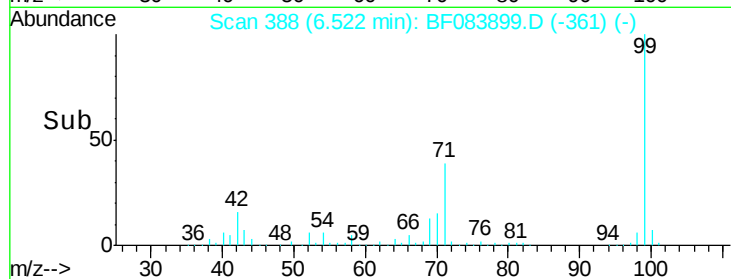
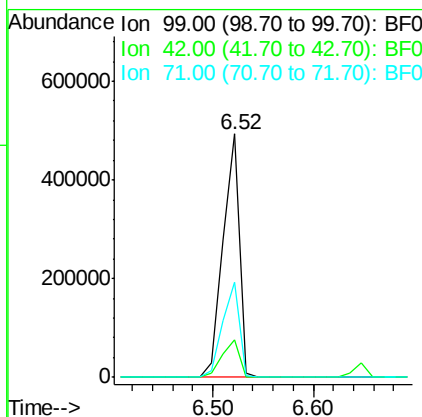
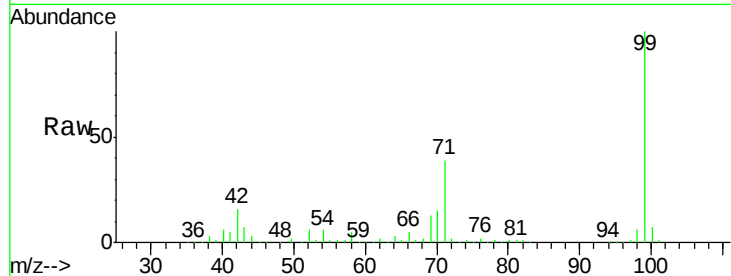
ClientSampleId :

K201-27-28

Tgt Ion:	99	Resp:	559555
Ion Ratio	Lower	Upper	
99	100		
42	15.5	12.8	19.2
71	39.0	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

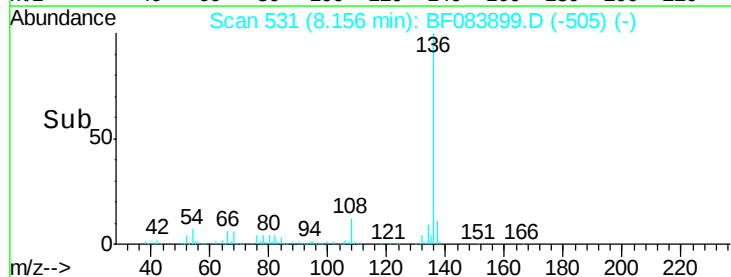
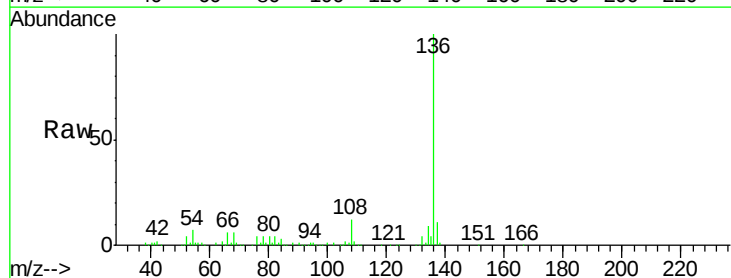
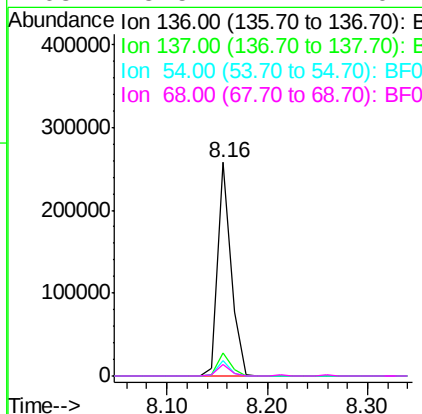
RT: 8.16 min Scan# 531

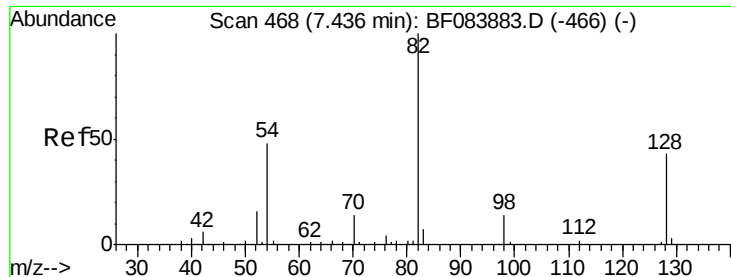
Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion:	136	Resp:	238819
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.0	5.8	8.8
68	5.5	4.2	6.2





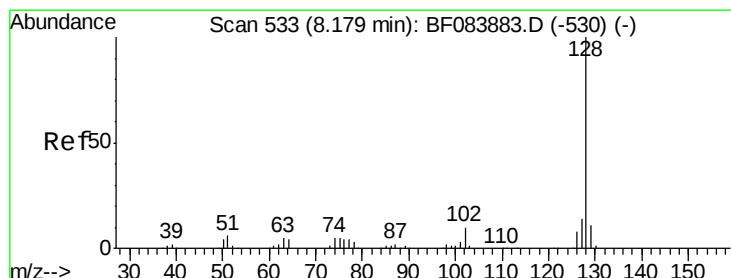
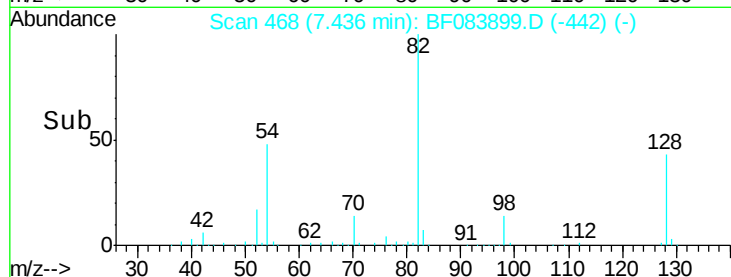
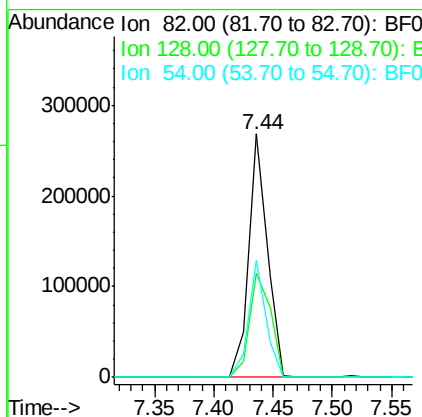
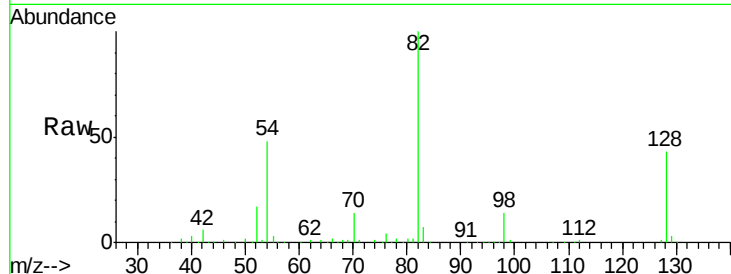
#23
 Nitrobenzene-d5
 Concen: 71.15 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	297734		
128	42.8	34.6	51.8	
54	48.2	38.4	57.6	

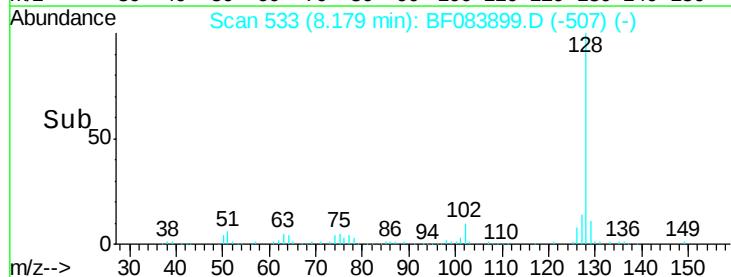
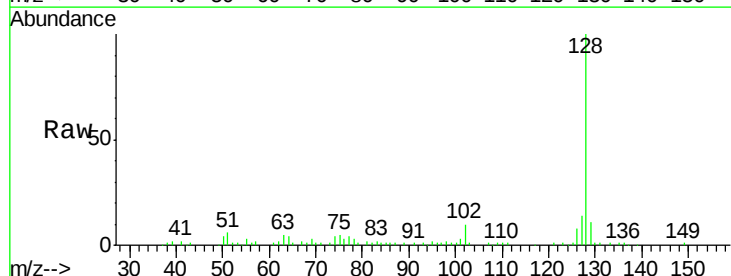
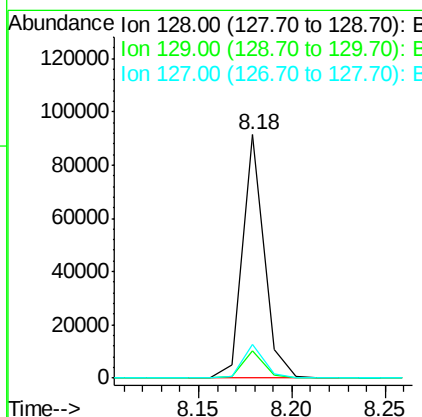
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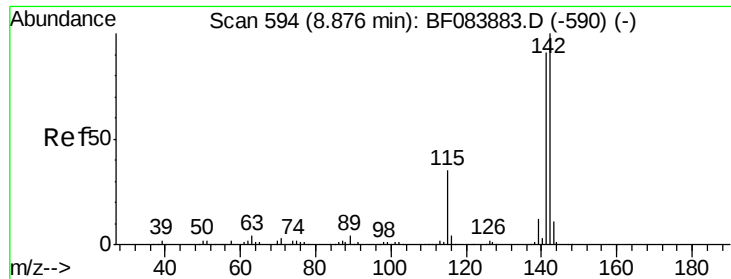
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#31
 Naphthalene
 Concen: 4.15 ng
 RT: 8.18 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	73952		
129	11.4	9.1	13.7	
127	13.9	11.1	16.7	





#37

2-Methylnaphthalene

Concen: 2.38 ng

RT: 8.88 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF083899.D

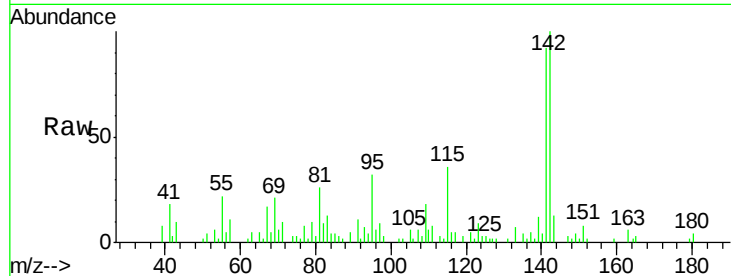
Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

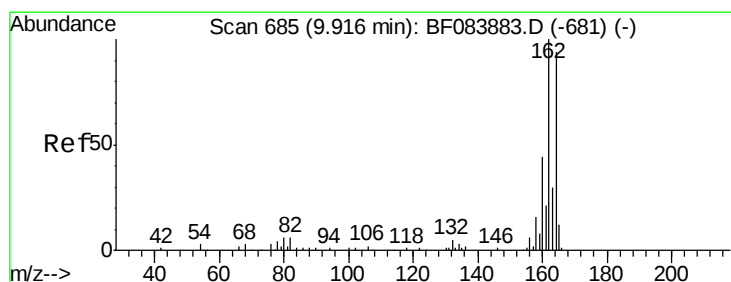
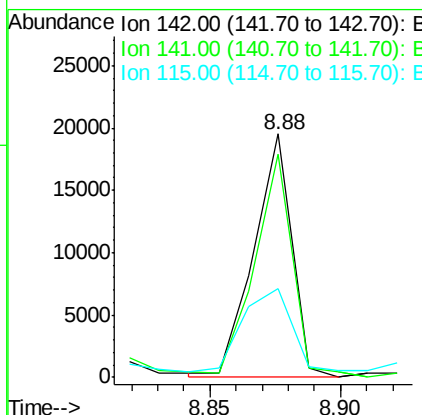
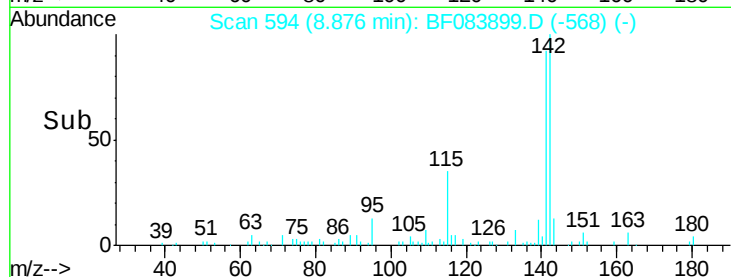
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.4	108.6
115	36.3	27.9	41.9

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#38

Acenaphthene-d10

Concen: 20.00 ng

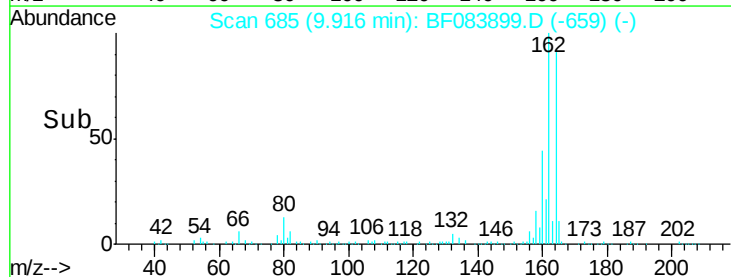
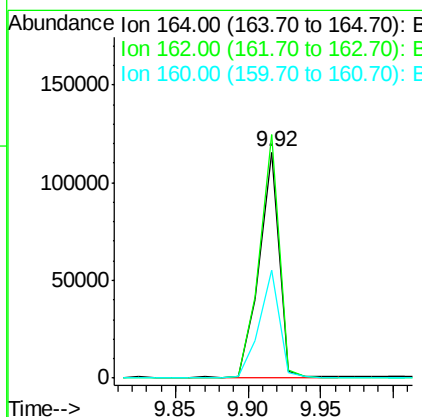
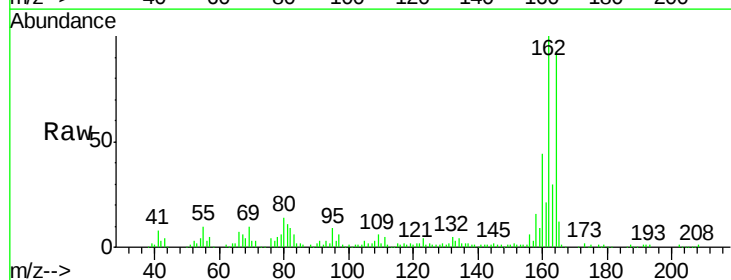
RT: 9.92 min Scan# 685

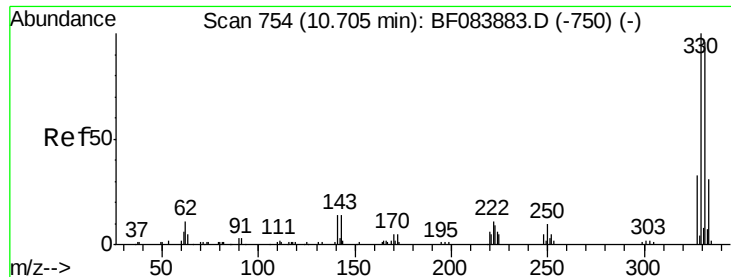
Delta R.T. 0.00 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	85.1	127.7
160	47.7	37.5	56.3





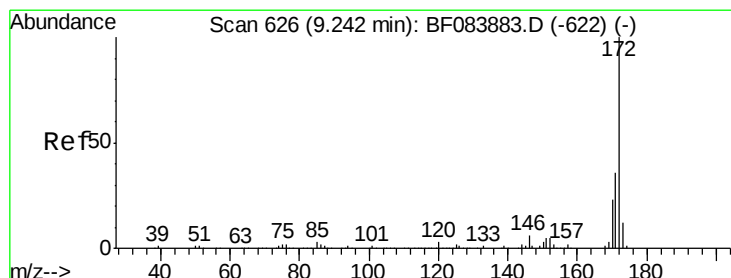
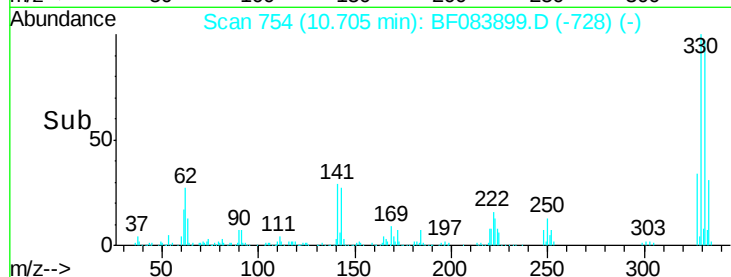
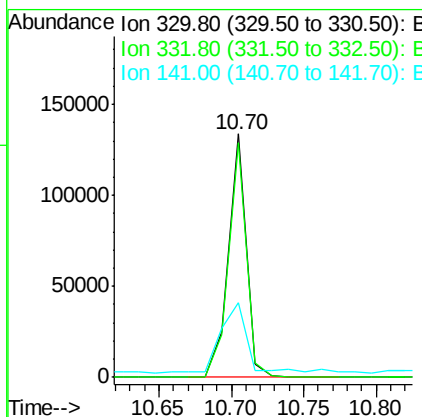
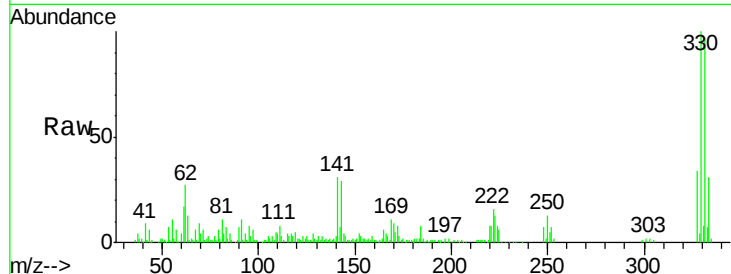
#41
 2,4,6-Tribromophenol
 Concen: 96.39 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	115412		
332	96.3	76.6	114.8	
141	39.6	27.8	41.6	

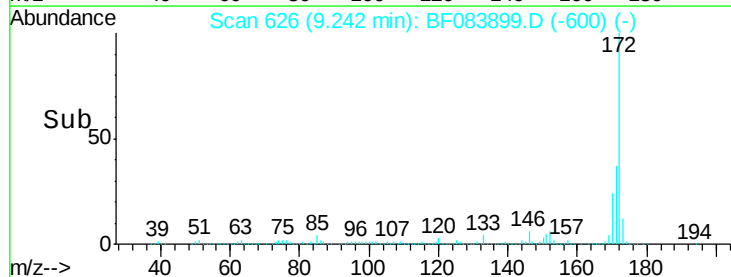
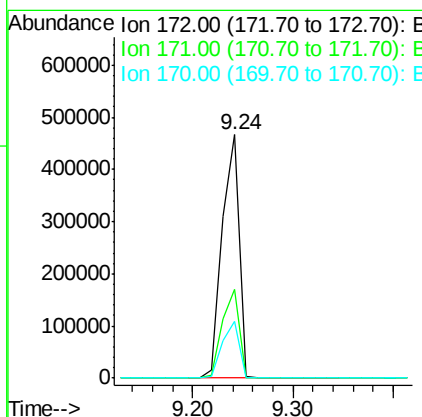
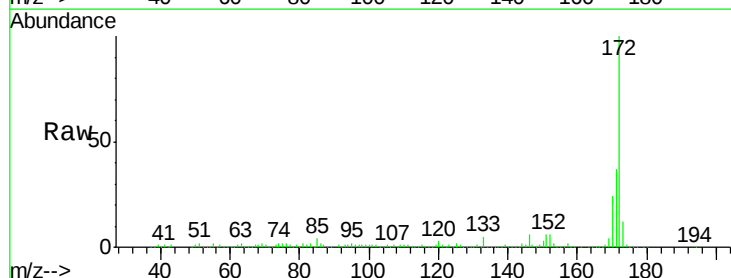
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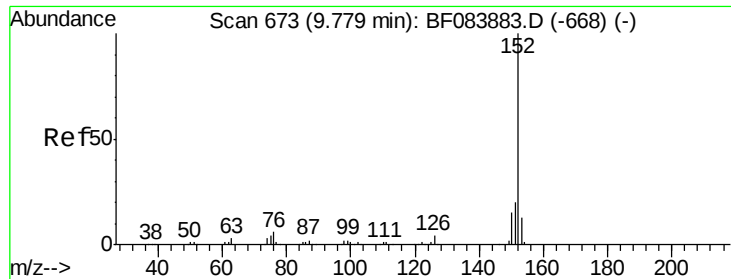
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#44
 2-Fluorobiphenyl
 Concen: 68.64 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	547703		
171	36.6	28.9	43.3	
170	23.6	18.6	27.8	





#48

Acenaphthylene

Concen: 7.64 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083899.D

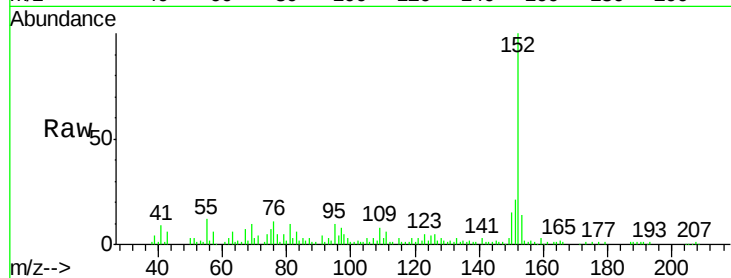
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Instrument :

BNA_F

ClientSampleId :

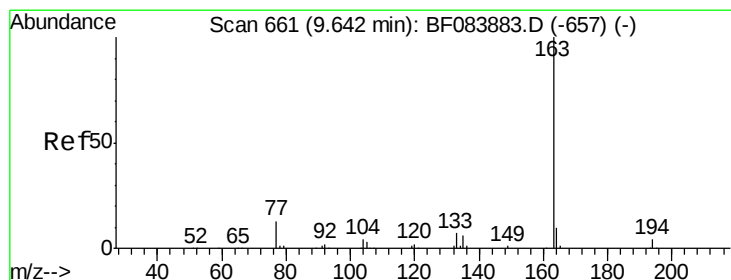
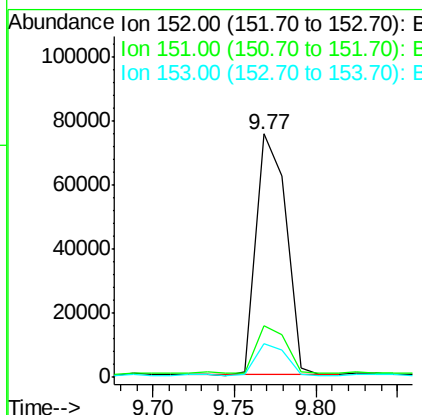
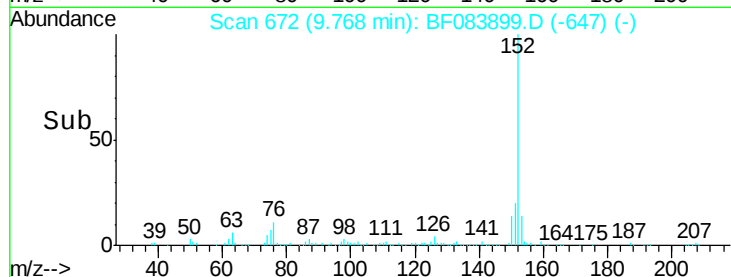
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Tgt Ion:	152	Resp:	96828
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.3	24.5
153	14.0	10.4	15.6

Manual Integrations
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#49

Dimethylphthalate

Concen: 13.78 ng

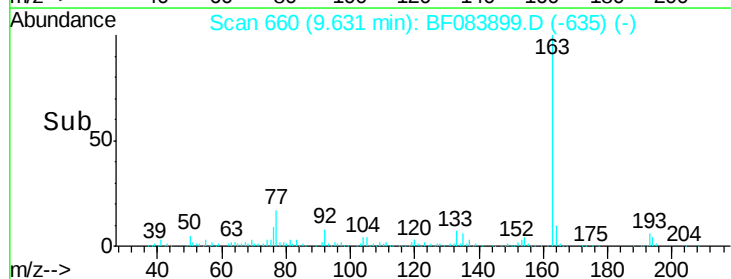
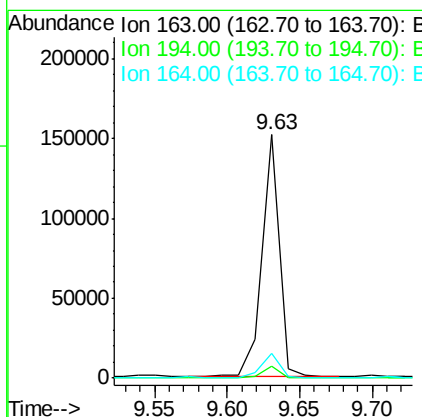
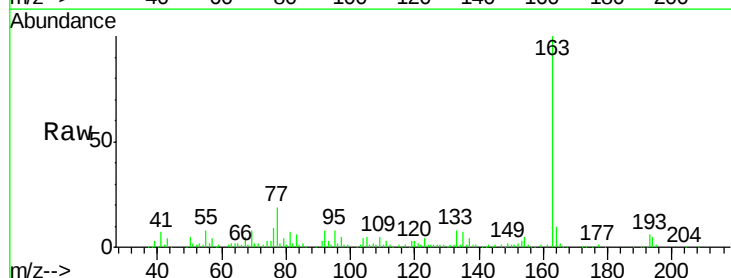
RT: 9.63 min Scan# 660

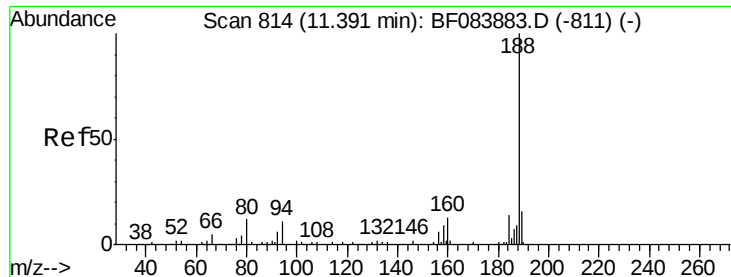
Delta R.T. -0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion:	163	Resp:	125708
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.0	4.6#
164	10.1	7.9	11.9





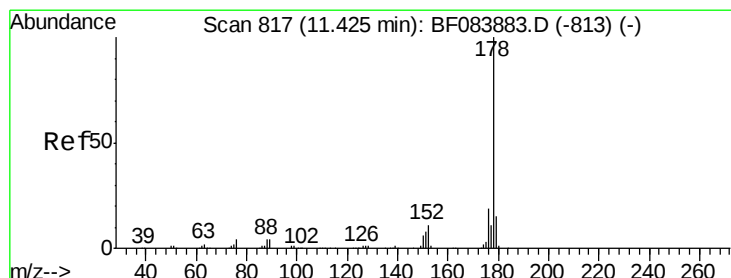
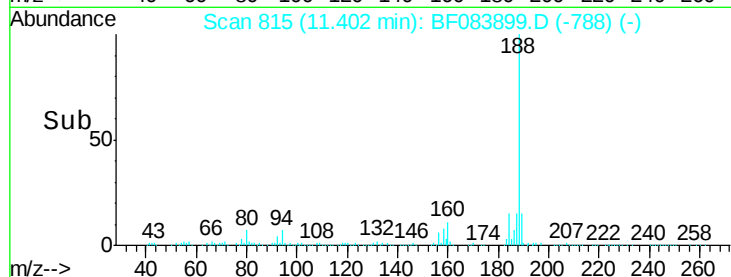
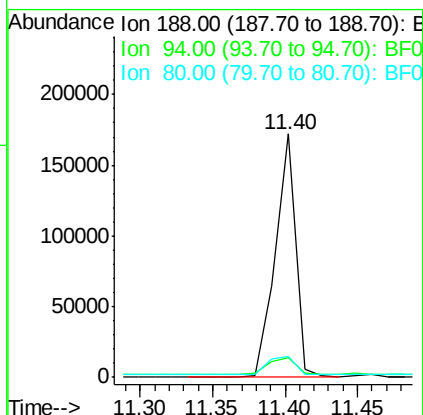
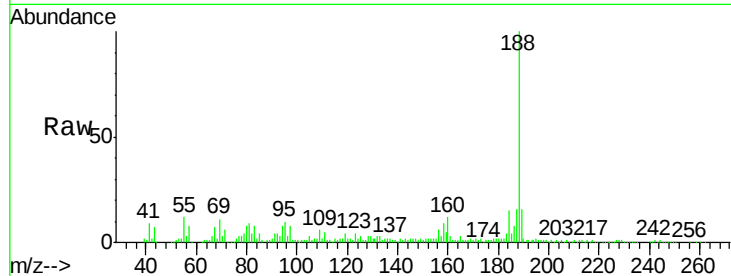
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Instrument :
BNA_F
ClientSampleId :
K201-27-28

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.0	9.0	13.4#
80	8.3	9.6	14.4#

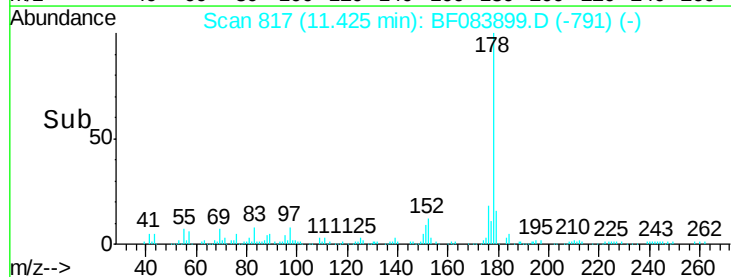
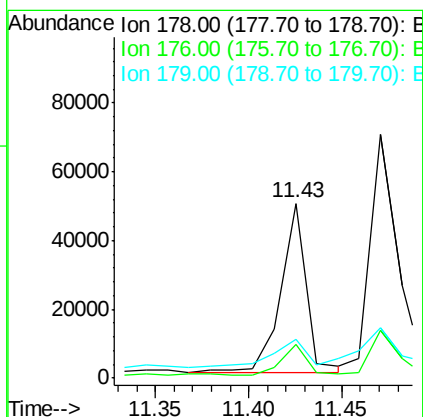
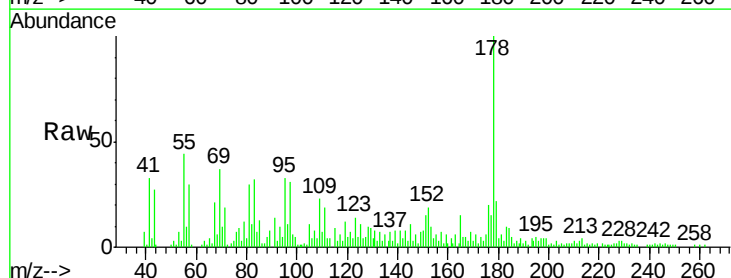
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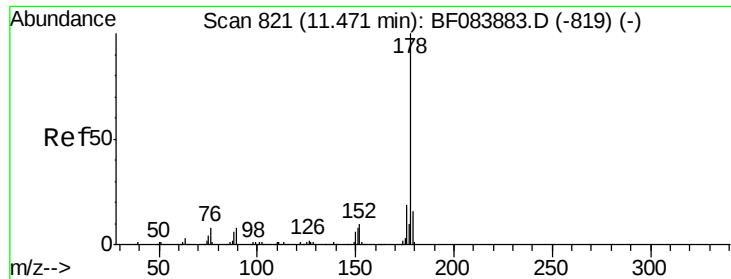
MMdadoda
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#70
Phenanthrene
Concen: 4.62 ng
RT: 11.43 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	15.3	22.9
179	22.4	12.0	18.0#





#71

Anthracene

Concen: 7.00 ng m

RT: 11.47 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF083899.D

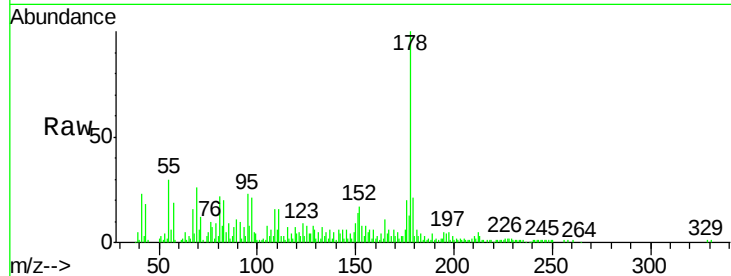
Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

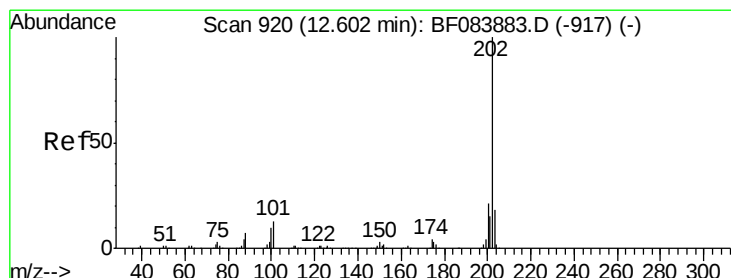
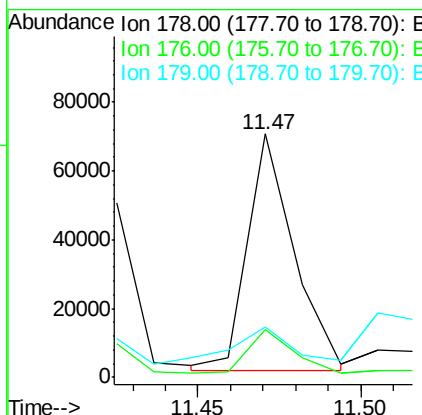
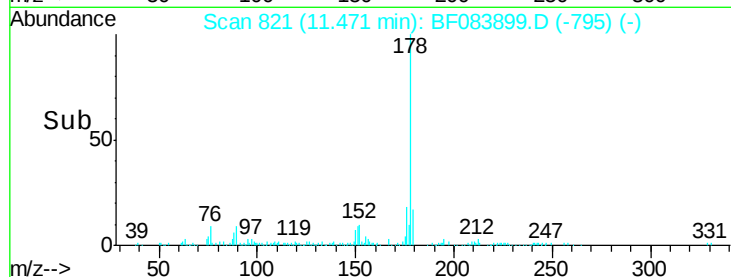
K201-27-28



Tgt Ion:	178	Resp:	68245
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.0
179	20.5	12.5	18.7#

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#74

Fluoranthene

Concen: 13.56 ng

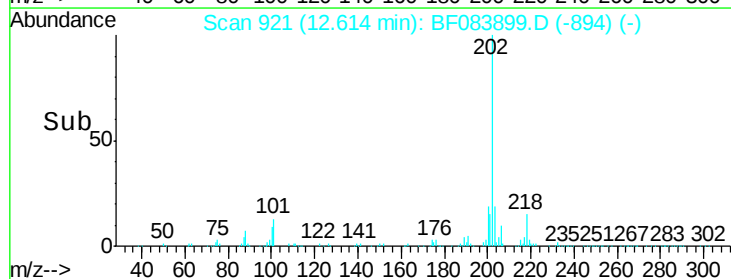
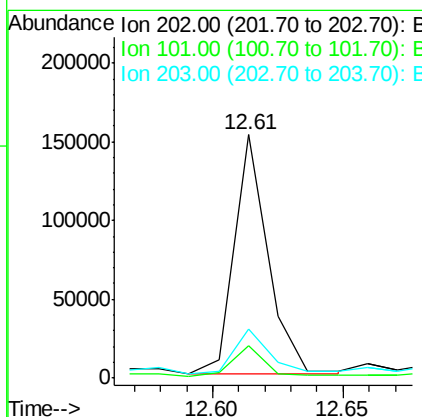
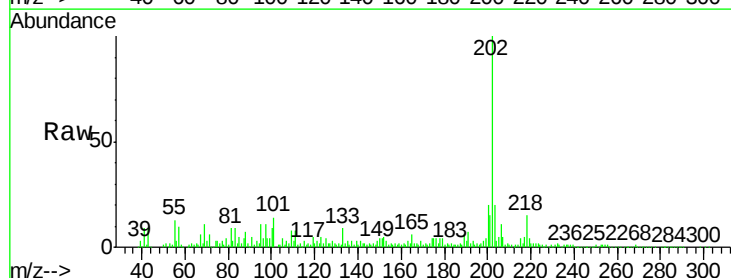
RT: 12.61 min Scan# 921

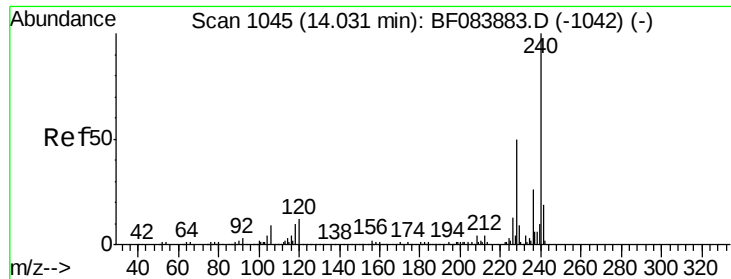
Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion:	202	Resp:	136540
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	32.8
203	20.4	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

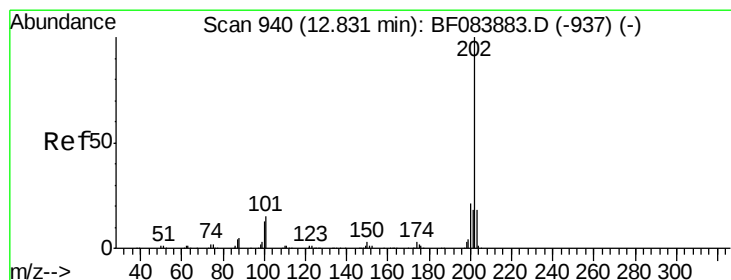
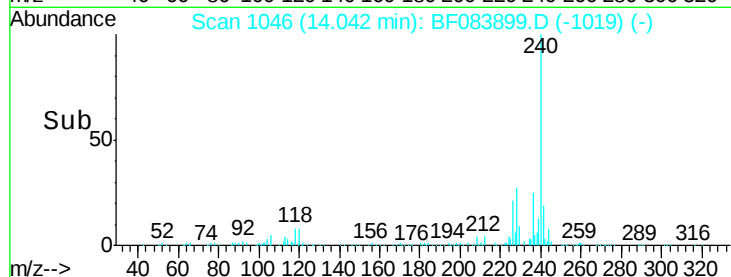
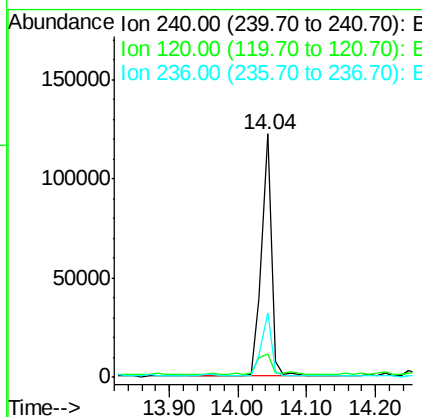
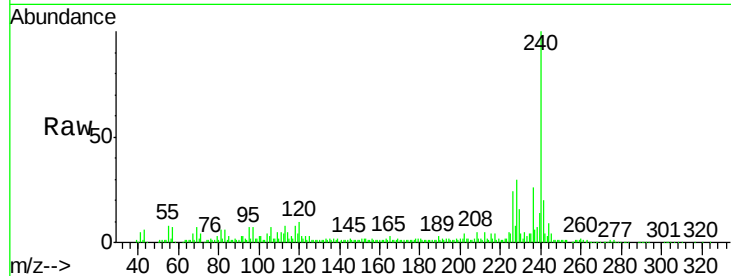
ClientSampleId :

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Tgt Ion:	240	Resp:	121274
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	26.3	20.6	31.0

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#77

Pyrene

Concen: 43.44 ng

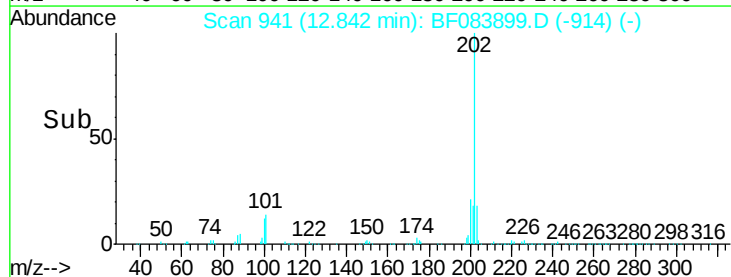
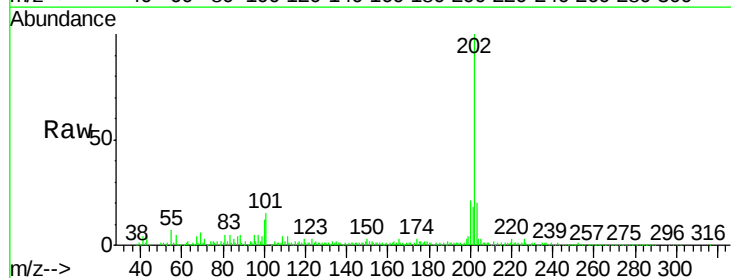
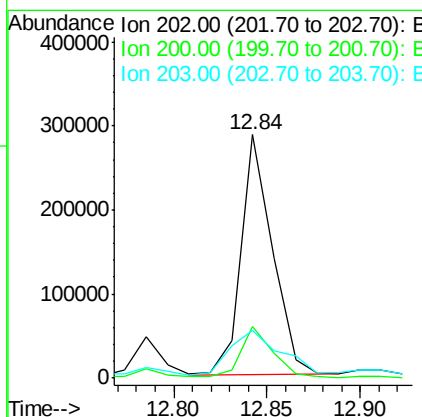
RT: 12.84 min Scan# 941

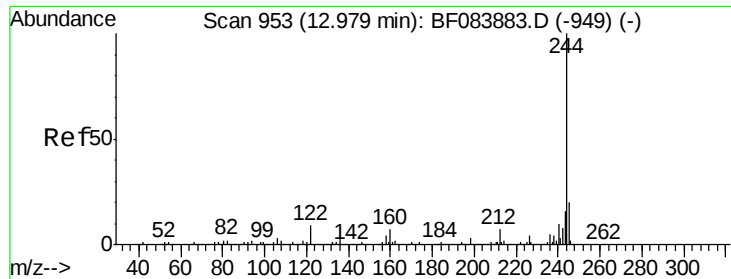
Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion:	202	Resp:	334242
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.2	25.8
203	19.7	14.3	21.5





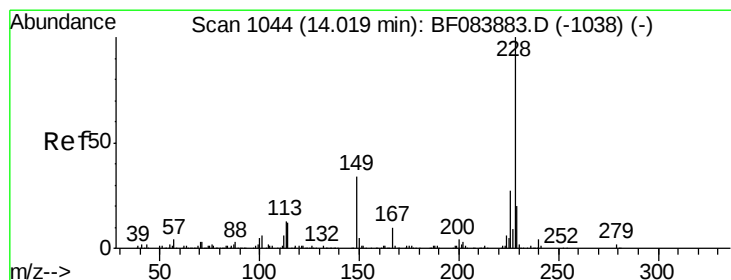
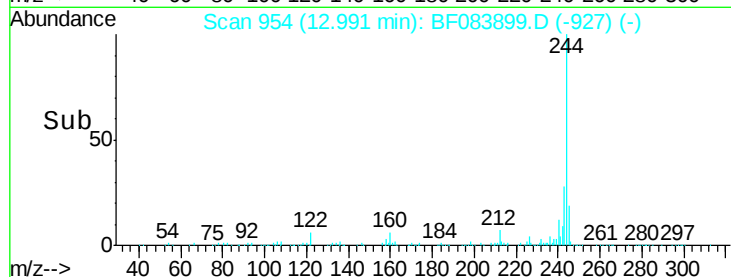
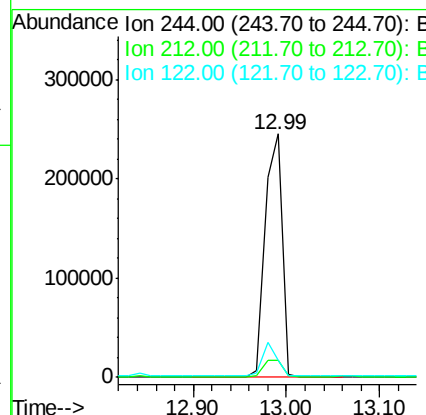
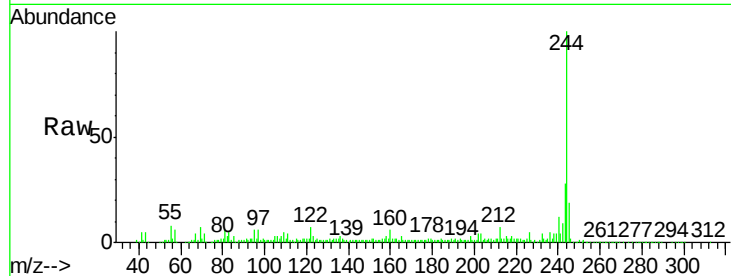
#78
 Terphenyl-d14
 Concen: 59.32 ng
 RT: 12.99 min Scan# 954
 Delta R.T. 0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Instrument :
 BNA_F
 ClientSampleId :
 K201-27-28

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	5.7	8.5
122	6.9	7.4	11.0#

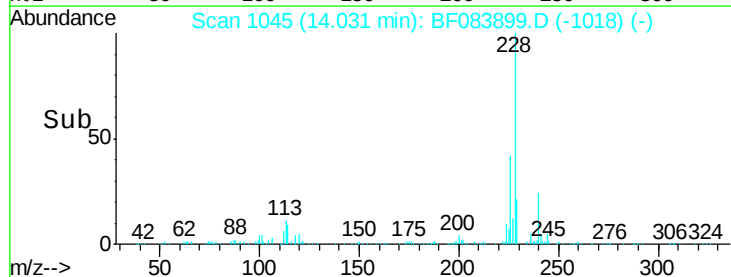
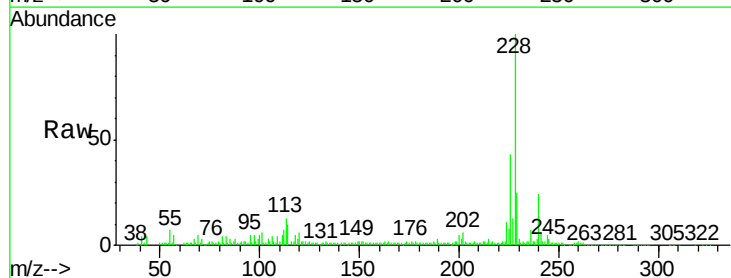
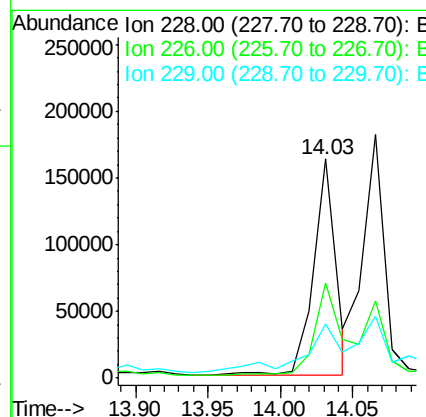
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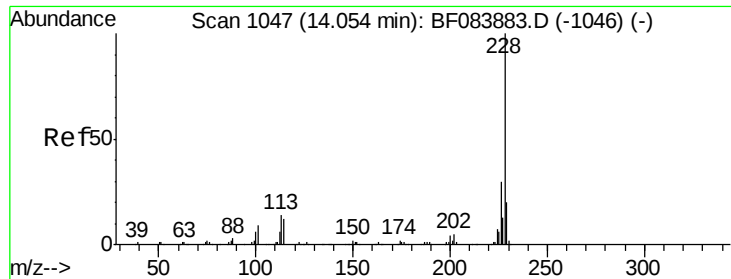
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#80
 Benzo(a)anthracene
 Concen: 23.22 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. 0.01 min
 Lab File: BF083899.D
 Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	43.3	21.8	32.6#
229	24.8	15.8	23.8#





#82

Chrysene

Concen: 25.99 ng m

RT: 14.07 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF083899.D

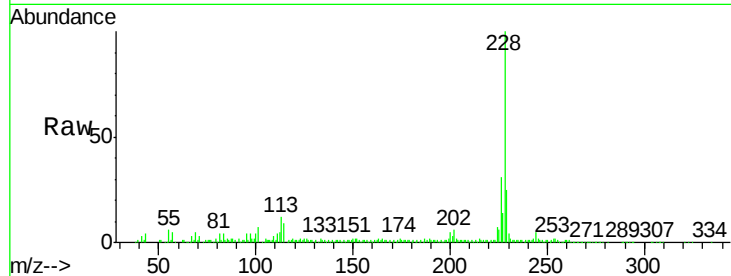
Acq: 18 Dec 2015 6:12

Instrument :

BNA_F

ClientSampleId :

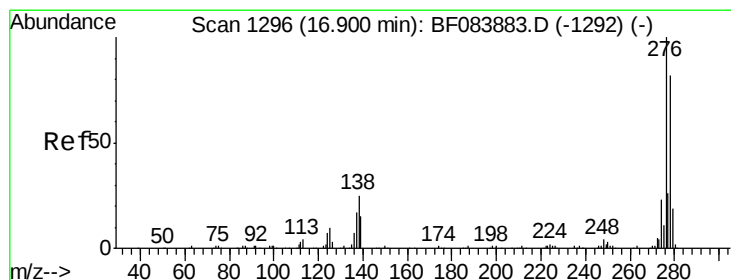
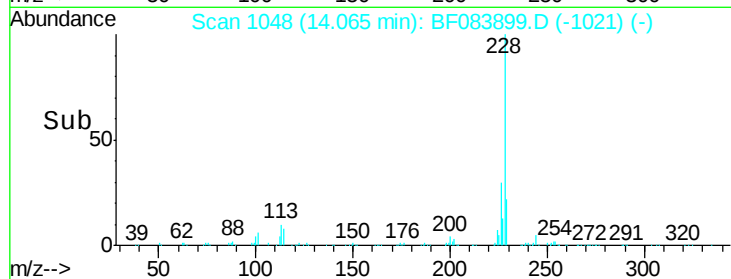
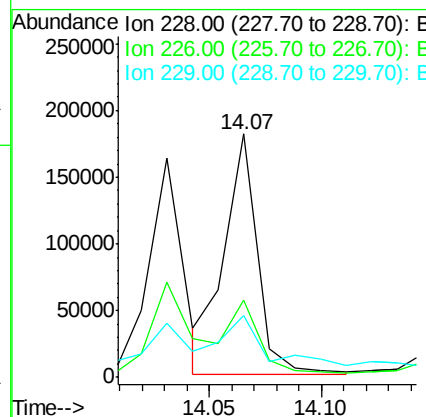
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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	187166		
226	31.5	24.3	36.5	
229	25.5	16.1	24.1	

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.35 ng

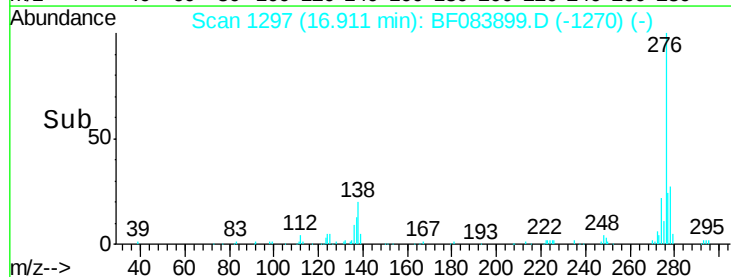
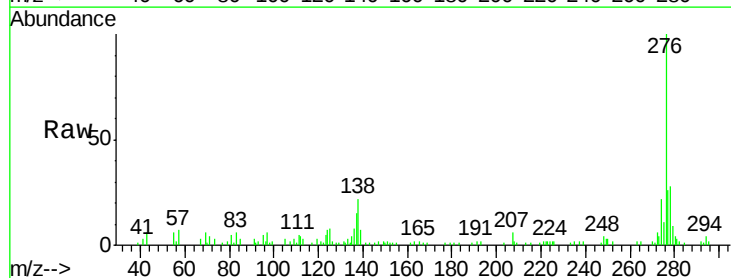
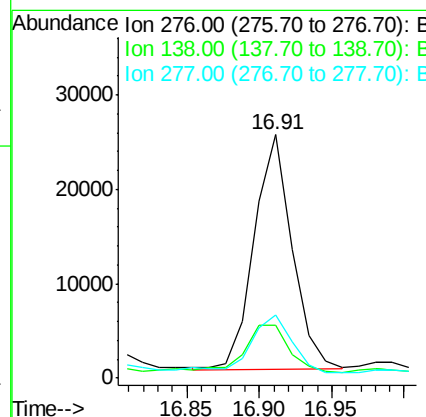
RT: 16.91 min Scan# 1297

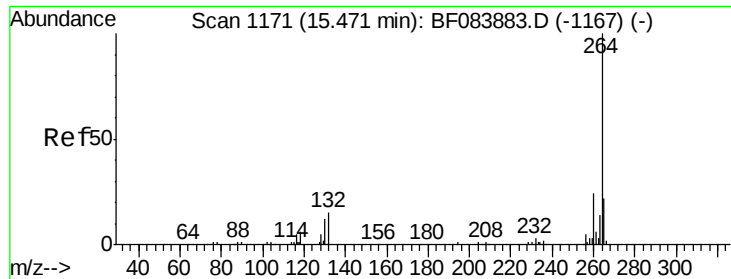
Delta R.T. 0.01 min

Lab File: BF083899.D

Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	44997		
138	26.2	20.6	30.8	
277	27.9	20.1	30.1	





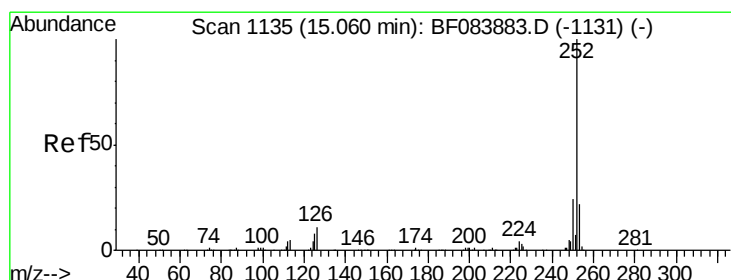
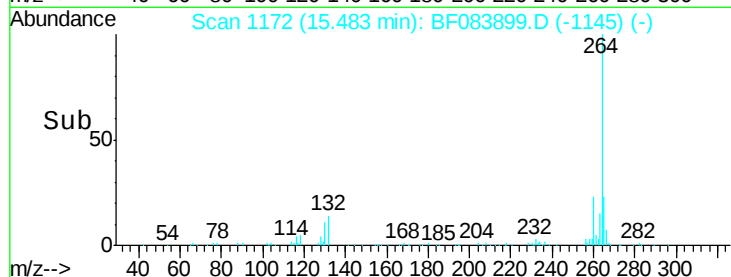
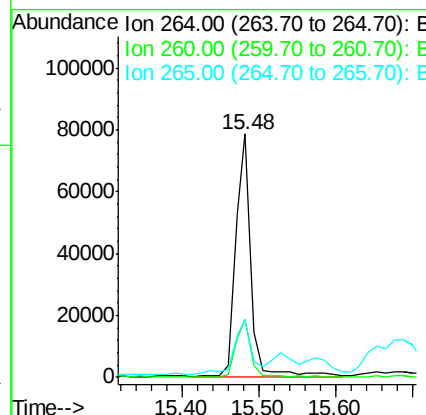
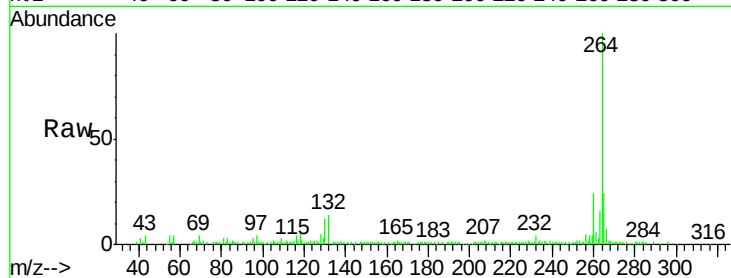
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Instrument :
BNA_F
ClientSampleId :
K201-27-28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	24.0	17.8	26.6

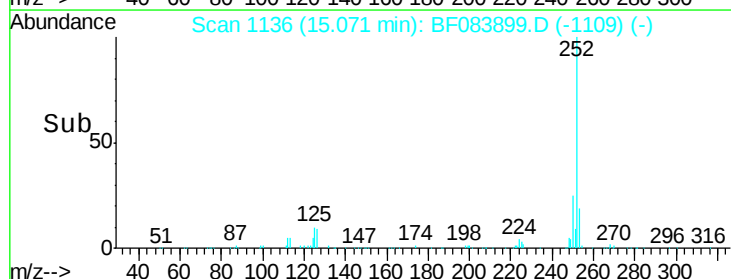
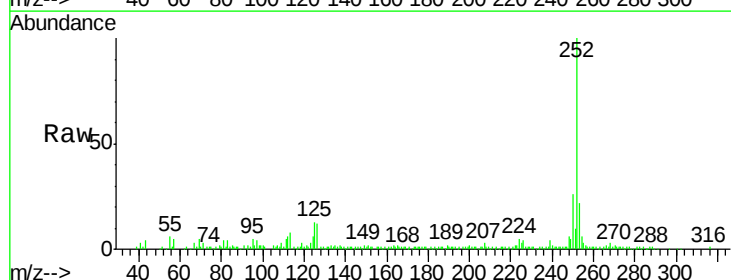
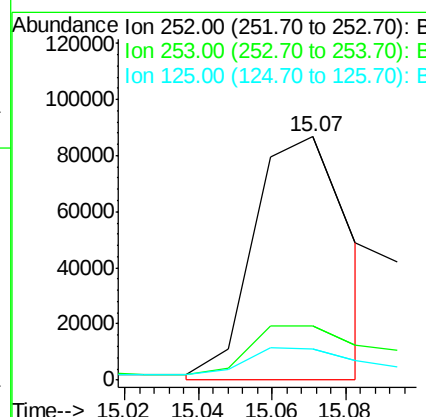
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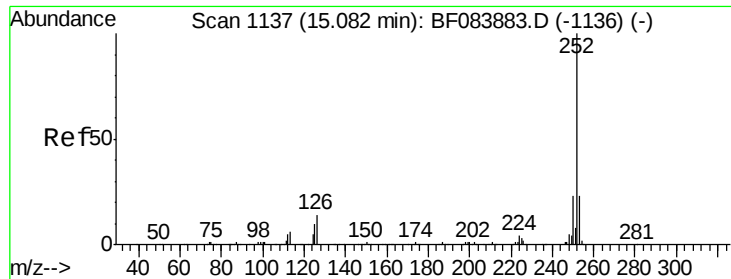
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#87
Benzo(b)fluoranthene
Concen: 19.34 ng m
RT: 15.07 min Scan# 1136
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	12.8	6.5	9.7#





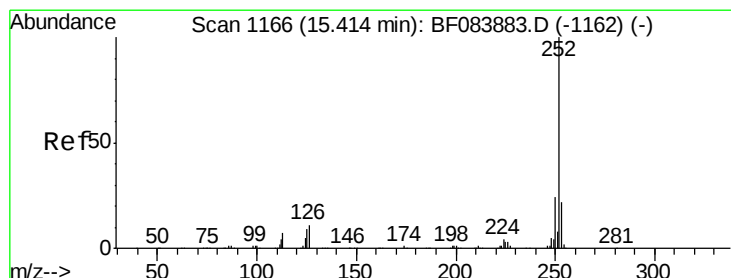
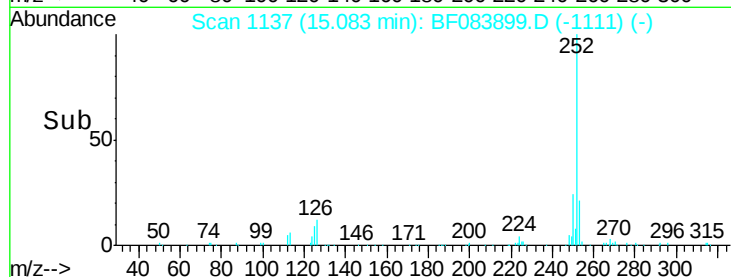
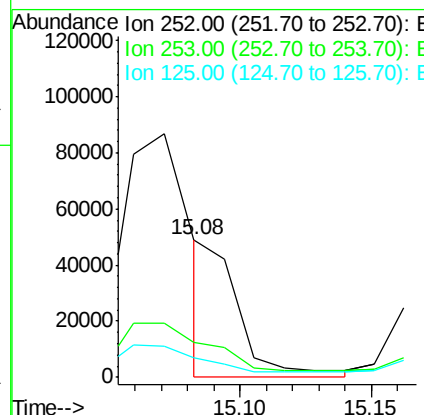
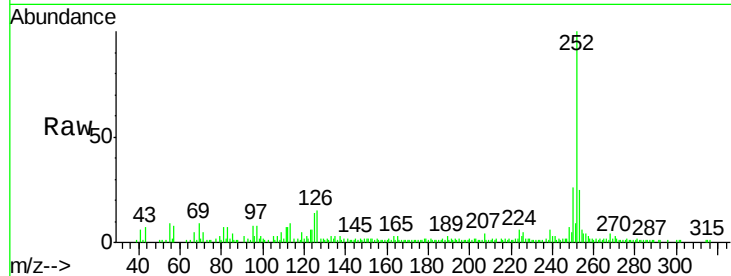
#88
Benzo(k)fluoranthene
Concen: 5.93 ng m
RT: 15.08 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Instrument :
BNA_F
ClientSampleId :
K201-27-28

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.9	18.1	27.1
125	14.3	9.0	13.6

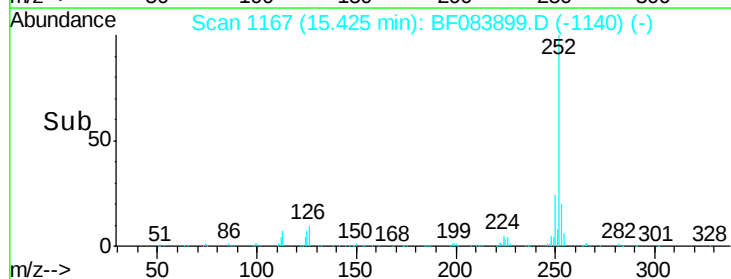
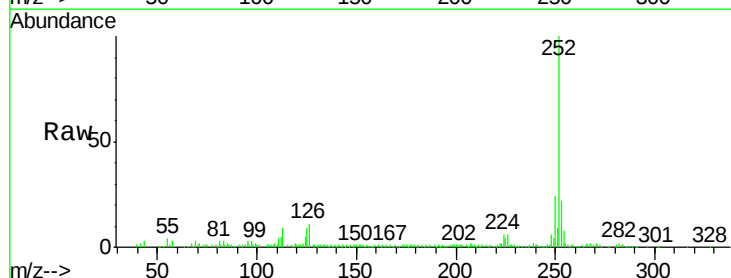
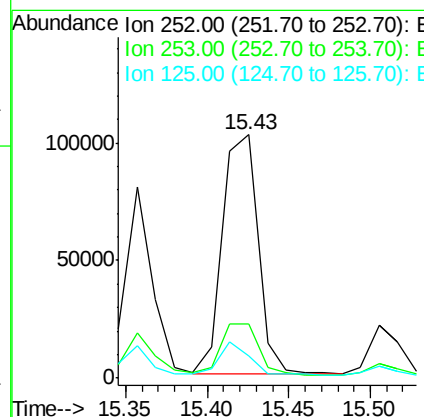
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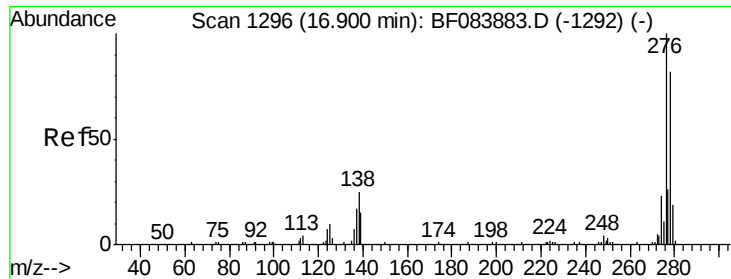
MMdadoda
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#89
Benzo(a)pyrene
Concen: 23.08 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

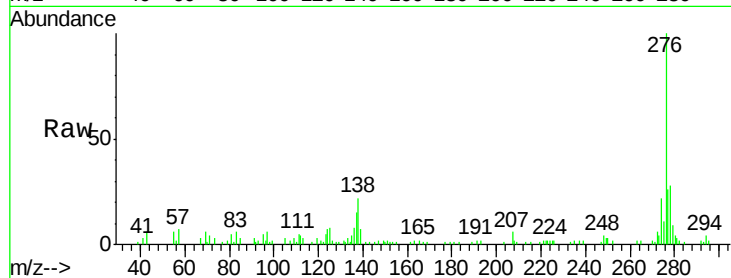
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.1	7.0	10.4





#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng
RT: 16.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

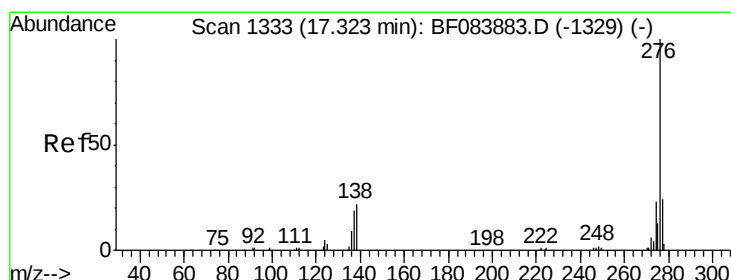
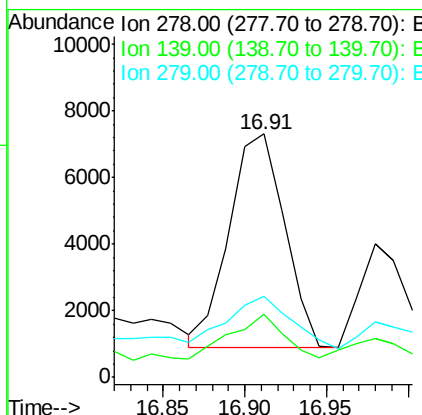
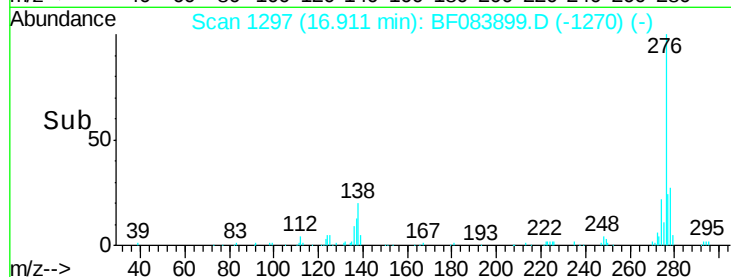
Instrument :
BNA_F
ClientSampleId :
K201-27-28



Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.8	15.0	22.4#
279	33.3	18.9	28.3#

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#91
Benzo(g,h,i)perylene
Concen: 9.89 ng
RT: 17.35 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BF083899.D
Acq: 18 Dec 2015 6:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	20.7	17.8	26.6

